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Cover Page

Order ID : Q3193

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q3193-01	RW10-MW01D-20250923
Q3193-02	RW10-MW01D-20250923MS
Q3193-03	RW10-MW01D-20250923MSD
Q3193-04	TT149S1-20250922
Q3193-05	RE137-20250922
Q3193-06	RW4-20250922
Q3193-07	GM38-RW3-MW1-20250922
Q3193-08	TT20551-20250923
Q3193-09	RW10A-MW01I-20250923
Q3193-10	RW8-MW01S-20250923
Q3193-11	TT172S1-20250923
Q3193-12	DUP12-20250923
Q3193-13	RW10A-MW01S-20250923
Q3193-14	RW8-MW01D1-20250923
Q3193-15	DUP11-20250923
Q3193-16	TT161S1-20250923
Q3193-17	RE103D1-20250923
Q3193-18	MW203D-20250923
Q3193-19	EB04-20250923
Q3193-20	TT174I1-20250924
Q3193-21	TT162S1-20250924
Q3193-22	RE120D3-20250924

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: 10/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Order ID # Q3193
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
22 Water samples were received on 09/24/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 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.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds

The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

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

The Continuous Calibration File ID VX047925.D met the requirements except for Bromochloromethane, Dichlorodifluoromethane and Methyl Acetate are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples RE137-20250922, RW4-20250922 and RE103D1-20250923 were diluted due to high concentrations.

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E. Additional Comments:
Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3193 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 VX047925.D met the requirements except for Bromochloromethane,Dichlorodifluoromethane and Methyl Acetate are 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.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds. The MSD recoveries met the requirements for all compounds.		✓	
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:			✓

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

NA NO YES

ADDITIONAL COMMENTS:

Samples RE137-20250922, RW4-20250922 and RE103D1-20250923 were diluted due to high concentrations.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3193**

	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:** **10/07/2025**

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LAB CHRONICLE

OrderID:	Q3193	**OrderDate:**	9/25/2025 9:02:00 AM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3193-01	**RW10-MW01D-20250923**	**Water**			**09/23/25**			**09/24/25**
			VOCMS Group1	8260-Low			10/03/25	
Q3193-04	**TT149S1-20250922**	**Water**			**09/22/25**			**09/24/25**
			VOCMS Group1	8260-Low			10/01/25	
Q3193-05	**RE137-20250922**	**Water**			**09/22/25**			**09/24/25**
			VOCMS Group1	8260-Low			09/30/25	
Q3193-05DL	**RE137-20250922DL**	**Water**			**09/22/25**			**09/24/25**
			VOCMS Group1	8260-Low			10/01/25	
Q3193-06	**RW4-20250922**	**Water**			**09/22/25**			**09/24/25**
			VOCMS Group1	8260-Low			09/30/25	
Q3193-06DL	**RW4-20250922DL**	**Water**			**09/22/25**			**09/24/25**
			VOCMS Group1	8260-Low			10/01/25	
Q3193-07	**GM38-RW3-MW1-20250922**	**Water**			**09/22/25**			**09/24/25**
			VOCMS Group1	8260-Low			10/01/25	
Q3193-08	**TT20551-20250923**	**Water**			**09/23/25**			**09/24/25**
			VOCMS Group1	8260-Low			10/01/25	
Q3193-09	**RW10A-MW01I-20250923**	**Water**			**09/23/25**			**09/24/25**
			VOCMS Group1	8260-Low			09/30/25	
Q3193-10	**RW8-MW01S-20250923**	**Water**			**09/23/25**			**09/24/25**
			VOCMS Group1	8260-Low			09/30/25	

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LAB CHRONICLE

Q3193-11	**TT172S1-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-12	**DUP12-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-13	**RW10A-MW01S-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-14	**RW8-MW01D1-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-15	**DUP11-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-16	**TT161S1-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-17	**RE103D1-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		09/30/25	
Q3193-17DL	**RE103D1-20250923DL**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		10/01/25	
Q3193-18	**MW203D-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		10/01/25	
Q3193-19	**EB04-20250923**	**Water**			**09/23/25**		**09/24/25**
			VOCMS Group1	8260-Low		10/03/25	
Q3193-20	**TT174I1-20250924**	**Water**			**09/24/25**		**09/24/25**
			VOCMS Group1	8260-Low		10/01/25	
Q3193-21	**TT162S1-20250924**	**Water**			**09/24/25**		**09/24/25**
			VOCMS Group1	8260-Low		10/01/25	
Q3193-22	**RE120D3-20250924**	**Water**			**09/24/25**		**09/24/25**
			VOCMS Group1	8260-Low		10/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RW10-MW01D-20250923**								
Q3193-01	RW10-MW01D-20	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.80					
			Total Concentration:	1.80					
Client ID:	**TT149S1-20250922**								
Q3193-04	TT149S1-20250922	Water	Acetone	2.00	J	1.50	3.80	5.00	ug/L
Q3193-04	TT149S1-20250922	Water	Methyl tert-butyl Ether	6.90		0.16	0.50	1.00	ug/L
Q3193-04	TT149S1-20250922	Water	Trichloroethene	3.40		0.090	0.75	1.00	ug/L
Q3193-04	TT149S1-20250922	Water	Tetrachloroethene	0.82	J	0.23	0.50	1.00	ug/L
			Total Voc :	13.1					
			Total Concentration:	13.1					
Client ID:	**RE137-20250922**								
Q3193-05	RE137-20250922	Water	1,1,2-Trichlorotrifluoroethane	14.9		0.25	0.50	1.00	ug/L
Q3193-05	RE137-20250922	Water	1,1-Dichloroethene	2.50		0.23	0.75	1.00	ug/L
Q3193-05	RE137-20250922	Water	Acetone	7.20		1.50	3.80	5.00	ug/L
Q3193-05	RE137-20250922	Water	Carbon Tetrachloride	1.10		0.25	0.50	1.00	ug/L
Q3193-05	RE137-20250922	Water	cis-1,2-Dichloroethene	1.90		0.19	0.75	1.00	ug/L
Q3193-05	RE137-20250922	Water	Chloroform	0.65	J	0.25	0.50	1.00	ug/L
Q3193-05	RE137-20250922	Water	Trichloroethene	620	E	0.090	0.75	1.00	ug/L
Q3193-05	RE137-20250922	Water	Tetrachloroethene	4.60		0.23	0.50	1.00	ug/L
			Total Voc :	653					
			Total Concentration:	653					
Client ID:	**RE137-20250922DL**								
Q3193-05DL	RE137-20250922Dl	Water	1,1,2-Trichlorotrifluoroethane	14.1	D	2.50	5.00	10.0	ug/L
Q3193-05DL	RE137-20250922Dl	Water	Trichloroethene	620	D	0.93	7.50	10.0	ug/L
			Total Voc :	634					
			Total Concentration:	634					
Client ID:	**RW4-20250922**								
Q3193-06	RW4-20250922	Water	1,1,2-Trichlorotrifluoroethane	7.70		0.25	0.50	1.00	ug/L
Q3193-06	RW4-20250922	Water	1,1-Dichloroethene	0.81	J	0.23	0.75	1.00	ug/L
Q3193-06	RW4-20250922	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q3193-06	RW4-20250922	Water	cis-1,2-Dichloroethene	0.89	J	0.19	0.75	1.00	ug/L
Q3193-06	RW4-20250922	Water	Chloroform	0.25	J	0.25	0.50	1.00	ug/L
Q3193-06	RW4-20250922	Water	Trichloroethene	340	E	0.090	0.75	1.00	ug/L
Q3193-06	RW4-20250922	Water	Tetrachloroethene	5.20		0.23	0.50	1.00	ug/L
			Total Voc :	357					
			Total Concentration:	357					
Client ID:	**RW4-20250922DL**								
Q3193-06DL	RW4-20250922DL	Water	Trichloroethene	70.1	D	0.47	3.80	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Voc :	70.1					
			Total Concentration:	70.1					
Client ID:	**GM38-RW3-MW1-20250922**								
Q3193-07	GM38-RW3-MW1-	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q3193-07	GM38-RW3-MW1-	Water	Chloroform	0.43	J	0.25	0.50	1.00	ug/L
Q3193-07	GM38-RW3-MW1-	Water	Trichloroethene	17.8		0.090	0.75	1.00	ug/L
Q3193-07	GM38-RW3-MW1-	Water	Tetrachloroethene	1.50		0.23	0.50	1.00	ug/L
			Total Voc :	21.4					
			Total Concentration:	21.4					
Client ID:	**TT20551-20250923**								
Q3193-08	TT20551-20250923	Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L
Q3193-08	TT20551-20250923	Water	Methyl tert-butyl Ether	0.29	J	0.16	0.50	1.00	ug/L
Q3193-08	TT20551-20250923	Water	1,1-Dichloroethane	0.52	J	0.23	0.50	1.00	ug/L
Q3193-08	TT20551-20250923	Water	Chloroform	0.41	J	0.25	0.50	1.00	ug/L
Q3193-08	TT20551-20250923	Water	Trichloroethene	6.60		0.090	0.75	1.00	ug/L
Q3193-08	TT20551-20250923	Water	Toluene	1.20		0.14	0.50	1.00	ug/L
Q3193-08	TT20551-20250923	Water	Tetrachloroethene	0.31	J	0.23	0.50	1.00	ug/L
			Total Voc :	11.4					
			Total Concentration:	11.4					
Client ID:	**RW10A-MW01I-20250923**								
Q3193-09	RW10A-MW01I-20	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q3193-09	RW10A-MW01I-20	Water	Trichloroethene	0.36	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.56					
			Total Concentration:	2.56					
Client ID:	**RW8-MW01S-20250923**								
Q3193-10	RW8-MW01S-2025	Water	Acetone	1.50	J	1.50	3.80	5.00	ug/L
Q3193-10	RW8-MW01S-2025	Water	Methylene Chloride	0.28	J	0.28	0.50	1.00	ug/L
			Total Voc :	1.78					
			Total Concentration:	1.78					
Client ID:	**TT172S1-20250923**								
Q3193-11	TT172S1-20250923	Water	1,1,2-Trichlorotrifluoroethane	0.99	J	0.25	0.50	1.00	ug/L
Q3193-11	TT172S1-20250923	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
Q3193-11	TT172S1-20250923	Water	Chloroform	0.53	J	0.25	0.50	1.00	ug/L
Q3193-11	TT172S1-20250923	Water	Trichloroethene	33.0		0.090	0.75	1.00	ug/L
Q3193-11	TT172S1-20250923	Water	Toluene	0.33	J	0.14	0.50	1.00	ug/L
Q3193-11	TT172S1-20250923	Water	Tetrachloroethene	1.50		0.23	0.50	1.00	ug/L
			Total Voc :	38.8					
			Total Concentration:	38.8					
Client ID:	**DUP12-20250923**								

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3193-12	DUP12-20250923	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
Q3193-12	DUP12-20250923	Water	Methyl tert-butyl Ether	0.32	J	0.16	0.50	1.00	ug/L
Q3193-12	DUP12-20250923	Water	1,1-Dichloroethane	1.30		0.23	0.50	1.00	ug/L
Q3193-12	DUP12-20250923	Water	cis-1,2-Dichloroethene	2.20		0.19	0.75	1.00	ug/L
Q3193-12	DUP12-20250923	Water	Chloroform	0.44	J	0.25	0.50	1.00	ug/L
Q3193-12	DUP12-20250923	Water	Trichloroethene	14.0		0.090	0.75	1.00	ug/L
Q3193-12	DUP12-20250923	Water	Tetrachloroethene	0.96	J	0.23	0.50	1.00	ug/L
			Total Voc :	20.9					
			Total Concentration:	20.9					
Client ID:	**RW10A-MW01S-20250923**								
Q3193-13	RW10A-MW01S-2(	Water	Acetone	2.40	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.40					
			Total Concentration:	2.40					
Client ID:	**RW8-MW01D1-20250923**								
Q3193-14	RW8-MW01D1-20:	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.60					
			Total Concentration:	1.60					
Client ID:	**DUP11-20250923**								
Q3193-15	DUP11-20250923	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.70					
			Total Concentration:	1.70					
Client ID:	**TT161S1-20250923**								
Q3193-16	TT161S1-20250923	Water	Acetone	3.60	J	1.50	3.80	5.00	ug/L
Q3193-16	TT161S1-20250923	Water	Methyl tert-butyl Ether	0.38	J	0.16	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	1,1-Dichloroethane	2.20		0.23	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Chloroform	0.57	J	0.25	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Trichloroethene	0.84	J	0.090	0.75	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Toluene	0.30	J	0.14	0.50	1.00	ug/L
Q3193-16	TT161S1-20250923	Water	Tetrachloroethene	0.38	J	0.23	0.50	1.00	ug/L
			Total Voc :	8.27					
			Total Concentration:	8.27					
Client ID:	**RE103D1-20250923**								
Q3193-17	RE103D1-2025092:	Water	1,1,2-Trichlorotrifluoroethane	8.50		0.25	0.50	1.00	ug/L
Q3193-17	RE103D1-2025092:	Water	1,1-Dichloroethene	1.40		0.23	0.75	1.00	ug/L
Q3193-17	RE103D1-2025092:	Water	Acetone	1.80	J	1.50	3.80	5.00	ug/L
Q3193-17	RE103D1-2025092:	Water	cis-1,2-Dichloroethene	1.40		0.19	0.75	1.00	ug/L
Q3193-17	RE103D1-2025092:	Water	Chloroform	0.39	J	0.25	0.50	1.00	ug/L
Q3193-17	RE103D1-2025092:	Water	Trichloroethene	510	E	0.090	0.75	1.00	ug/L
Q3193-17	RE103D1-2025092:	Water	Tetrachloroethene	6.10		0.23	0.50	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Voc :	530					
			Total Concentration:	530					
Client ID:	**RE103D1-20250923DL**								
Q3193-17DL	RE103D1-2025092[illegible]	Water	1,1,2-Trichlorotrifluoroethane	8.30	JD	2.50	5.00	10.0	ug/L
Q3193-17DL	RE103D1-2025092[illegible]	Water	Trichloroethene	460	D	0.93	7.50	10.0	ug/L
Q3193-17DL	RE103D1-2025092[illegible]	Water	Tetrachloroethene	5.80	JD	2.30	5.00	10.0	ug/L
			Total Voc :	474					
			Total Concentration:	474					
Client ID:	**MW203D-20250923**								
Q3193-18	MW203D-2025092[illegible]	Water	1,1-Dichloroethene	0.53	J	0.23	0.75	1.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	Methyl tert-butyl Ether	0.32	J	0.16	0.50	1.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	1,1-Dichloroethane	1.20		0.23	0.50	1.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	cis-1,2-Dichloroethene	2.20		0.19	0.75	1.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	Chloroform	0.32	J	0.25	0.50	1.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	Trichloroethene	12.3		0.090	0.75	1.00	ug/L
Q3193-18	MW203D-2025092[illegible]	Water	Tetrachloroethene	0.87	J	0.23	0.50	1.00	ug/L
			Total Voc :	19.6					
			Total Concentration:	19.6					
Client ID:	**TT174I1-20250924**								
Q3193-20	TT174I1-20250924	Water	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Acetone	2.10	J	1.50	3.80	5.00	ug/L
Q3193-20	TT174I1-20250924	Water	Methyl tert-butyl Ether	0.38	J	0.16	0.50	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	1,1-Dichloroethane	3.50		0.23	0.50	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Chloroform	0.45	J	0.25	0.50	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Trichloroethene	1.50		0.090	0.75	1.00	ug/L
Q3193-20	TT174I1-20250924	Water	Tetrachloroethene	0.55	J	0.23	0.50	1.00	ug/L
			Total Voc :	9.58					
			Total Concentration:	9.58					
Client ID:	**TT162S1-20250924**								
Q3193-21	TT162S1-20250924	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q3193-21	TT162S1-20250924	Water	1,1-Dichloroethane	1.40		0.23	0.50	1.00	ug/L
Q3193-21	TT162S1-20250924	Water	Trichloroethene	10.5		0.090	0.75	1.00	ug/L
			Total Voc :	14.2					
			Total Concentration:	14.2					
Client ID:	**RE120D3-20250924**								
Q3193-22	RE120D3-2025092[illegible]	Water	1,1,2-Trichlorotrifluoroethane	1.30		0.25	0.50	1.00	ug/L
Q3193-22	RE120D3-2025092[illegible]	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
Q3193-22	RE120D3-2025092[illegible]	Water	Trichloroethene	11.7		0.090	0.75	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3193-22	RE120D3-2025092	Water	Toluene	0.26	J	0.14	0.50	1.00	ug/L
			Total Voc :	15.2					
			Total Concentration:	15.2					

QC
SUMMARY

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

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3193-01	RW10-MW01D-20250923	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3193-02MS	RW10-MW01D-20250923MS	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	50.4	101		89	112
		4-Bromofluorobenzene	50	50.3	101		85	114
Q3193-03MSD	RW10-MW01D-20250923MSD	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	53.1	106		80	119
		Toluene-d8	50	52.5	105		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
Q3193-04	TT149S1-20250922	1,2-Dichloroethane-d4	50	56.2	112		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3193-05	RE137-20250922	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	47.8	96		80	119
		Toluene-d8	50	46.9	94		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q3193-05DL	RE137-20250922DL	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	53.5	107		85	114
Q3193-06	RW4-20250922	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3193-06DL	RW4-20250922DL	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3193-07	GM38-RW3-MW1-20250922	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3193-08	TT20551-20250923	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
Q3193-09	RW10A-MW01I-20250923	1,2-Dichloroethane-d4	50	50.4	101		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q3193-10	RW8-MW01S-20250923	1,2-Dichloroethane-d4	50	50.4	101		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q3193-11	TT172S1-20250923	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.9	100		80	119

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Surrogate Summary

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3193-11	TT172S1-20250923	Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	54.8	110		85	114
Q3193-12	DUP12-20250923	1,2-Dichloroethane-d4	50	53.1	106		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	49.7	99		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114
Q3193-13	RW10A-MW01S-20250923	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	54.9	110		85	114
Q3193-14	RW8-MW01D1-20250923	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	50.6	101		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3193-15	DUP11-20250923	1,2-Dichloroethane-d4	50	52.1	104		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
Q3193-16	TT161S1-20250923	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3193-17	RE103D1-20250923	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3193-17DL	RE103D1-20250923DL	1,2-Dichloroethane-d4	50	53.5	107		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	55.7	111		85	114
Q3193-18	MW203D-20250923	1,2-Dichloroethane-d4	50	54.1	108		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
Q3193-19	EB04-20250923	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3193-20	TT174I1-20250924	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.2	106		85	114
Q3193-21	TT162S1-20250924	1,2-Dichloroethane-d4	50	50.7	101		81	118
		Dibromofluoromethane	50	49.6	99		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	52.2	104		85	114
Q3193-22	RE120D3-20250924	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.1	100		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	56.5	113		85	114

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Surrogate Summary

SDG No.: Q3193

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
VX0930WBL01	VX0930WBL01	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
VX0930WBS01	VX0930WBS01	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114
VX1001WBL01	VX1001WBL01	1,2-Dichloroethane-d4	50	54.2	108		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	55.8	112		85	114
VX1001WBS01	VX1001WBS01	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
VX1003WBL01	VX1003WBL01	1,2-Dichloroethane-d4	50	56.6	113		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.4	99		89	112
		4-Bromofluorobenzene	50	57.0	114		85	114
VX1003WBS02	VX1003WBS02	1,2-Dichloroethane-d4	50	53.6	107		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	53.6	107		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, In **Datafile :** VX047949.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3193-02MS		**Client Sample ID : RW10-MW01D-20250923MS**									
Dichlorodifluoromethane	50	0	51.0	ug/L	102				32	152	
Chloromethane	50	0	47.4	ug/L	95				50	139	
Vinyl chloride	50	0	50.4	ug/L	101				58	137	
Bromomethane	50	0	48.7	ug/L	97				53	141	
Chloroethane	50	0	51.0	ug/L	102				60	138	
Trichlorofluoromethane	50	0	50.5	ug/L	101				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	49.7	ug/L	99				70	136	
1,1-Dichloroethene	50	0	49.9	ug/L	100				71	131	
Acetone	250	1.80	220	ug/L	87				39	160	
Carbon disulfide	50	0	45.8	ug/L	92				64	133	
Methyl tert-butyl Ether	50	0	50.9	ug/L	102				71	124	
Methyl Acetate	50	0	43.9	ug/L	88				56	136	
Methylene Chloride	50	0	50.3	ug/L	101				74	124	
trans-1,2-Dichloroethene	50	0	49.9	ug/L	100				75	124	
1,1-Dichloroethane	50	0	51.3	ug/L	103				77	125	
Cyclohexane	50	0	44.6	ug/L	89				71	130	
2-Butanone	250	0	260	ug/L	104				56	143	
Carbon Tetrachloride	50	0	47.7	ug/L	95				72	136	
cis-1,2-Dichloroethene	50	0	50.6	ug/L	101				78	123	
Bromochloromethane	50	0	49.9	ug/L	100				78	123	
Chloroform	50	0	52.8	ug/L	106				79	124	
1,1,1-Trichloroethane	50	0	50.3	ug/L	101				74	131	
Methylcyclohexane	50	0	42.1	ug/L	84				72	132	
Benzene	50	0	49.8	ug/L	100				79	120	
1,2-Dichloroethane	50	0	49.6	ug/L	99				73	128	
Trichloroethene	50	0	48.7	ug/L	97				79	123	
1,2-Dichloropropane	50	0	51.1	ug/L	102				78	122	
Bromodichloromethane	50	0	51.9	ug/L	104				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	49.3	ug/L	99				80	121	
t-1,3-Dichloropropene	50	0	42.7	ug/L	85				73	127	
cis-1,3-Dichloropropene	50	0	42.6	ug/L	85				75	124	
1,1,2-Trichloroethane	50	0	53.0	ug/L	106				80	119	
2-Hexanone	250	0	270	ug/L	108				57	139	
Dibromochloromethane	50	0	53.5	ug/L	107				74	126	
1,2-Dibromoethane	50	0	53.7	ug/L	107				77	121	
Tetrachloroethene	50	0	44.7	ug/L	89				74	129	
Chlorobenzene	50	0	49.0	ug/L	98				82	118	
Ethyl Benzene	50	0	47.8	ug/L	96				79	121	
m/p-Xylenes	100	0	97.2	ug/L	97				80	121	
o-Xylene	50	0	48.6	ug/L	97				78	122	
Styrene	50	0	49.1	ug/L	98				78	123	
Bromoform	50	0	52.4	ug/L	105				66	130	
Isopropylbenzene	50	0	44.6	ug/L	89				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.6	ug/L	101				71	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, I **Datafile :** VX047949.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	44.6	ug/L	89				80	119	
1,4-Dichlorobenzene	50	0	44.0	ug/L	88				79	118	
1,2-Dichlorobenzene	50	0	46.0	ug/L	92				80	119	
1,2-Dibromo-3-Chloropropane	50	0	47.1	ug/L	94				62	128	
1,2,4-Trichlorobenzene	50	0	42.2	ug/L	84				69	130	
1,2,3-Trichlorobenzene	50	0	44.6	ug/L	89				69	129	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, In **Datafile :** VX047950.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3193-03MSD		**Client Sample ID : RW10-MW01D-20250923MSD**									
Dichlorodifluoromethane	50	0	49.0	ug/L	98		4		32	152	20
Chloromethane	50	0	46.4	ug/L	93		2		50	139	20
Vinyl chloride	50	0	48.7	ug/L	97		3		58	137	20
Bromomethane	50	0	48.3	ug/L	97		1		53	141	20
Chloroethane	50	0	47.9	ug/L	96		6		60	138	20
Trichlorofluoromethane	50	0	48.9	ug/L	98		3		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	48.2	ug/L	96		3		70	136	20
1,1-Dichloroethene	50	0	48.1	ug/L	96		4		71	131	20
Acetone	250	1.80	210	ug/L	83		5		39	160	20
Carbon disulfide	50	0	44.9	ug/L	90		2		64	133	20
Methyl tert-butyl Ether	50	0	50.2	ug/L	100		1		71	124	20
Methyl Acetate	50	0	42.3	ug/L	85		4		56	136	20
Methylene Chloride	50	0	48.8	ug/L	98		3		74	124	20
trans-1,2-Dichloroethene	50	0	48.6	ug/L	97		3		75	124	20
1,1-Dichloroethane	50	0	50.5	ug/L	101		2		77	125	20
Cyclohexane	50	0	44.7	ug/L	89		0		71	130	20
2-Butanone	250	0	260	ug/L	104		0		56	143	20
Carbon Tetrachloride	50	0	46.8	ug/L	94		2		72	136	20
cis-1,2-Dichloroethene	50	0	49.8	ug/L	100		2		78	123	20
Bromochloromethane	50	0	51.9	ug/L	104		4		78	123	20
Chloroform	50	0	51.4	ug/L	103		3		79	124	20
1,1,1-Trichloroethane	50	0	50.0	ug/L	100		1		74	131	20
Methylcyclohexane	50	0	42.2	ug/L	84		0		72	132	20
Benzene	50	0	48.9	ug/L	98		2		79	120	20
1,2-Dichloroethane	50	0	48.9	ug/L	98		1		73	128	20
Trichloroethene	50	0	48.2	ug/L	96		1		79	123	20
1,2-Dichloropropane	50	0	50.6	ug/L	101		1		78	122	20
Bromodichloromethane	50	0	50.9	ug/L	102		2		79	125	20
4-Methyl-2-Pentanone	250	0	270	ug/L	108		4		67	130	20
Toluene	50	0	49.2	ug/L	98		0		80	121	20
t-1,3-Dichloropropene	50	0	42.9	ug/L	86		0		73	127	20
cis-1,3-Dichloropropene	50	0	42.2	ug/L	84		1		75	124	20
1,1,2-Trichloroethane	50	0	53.2	ug/L	106		0		80	119	20
2-Hexanone	250	0	260	ug/L	104		4		57	139	20
Dibromochloromethane	50	0	52.9	ug/L	106		1		74	126	20
1,2-Dibromoethane	50	0	53.1	ug/L	106		1		77	121	20
Tetrachloroethene	50	0	44.7	ug/L	89		0		74	129	20
Chlorobenzene	50	0	48.4	ug/L	97		1		82	118	20
Ethyl Benzene	50	0	47.5	ug/L	95		1		79	121	20
m/p-Xylenes	100	0	95.5	ug/L	96		2		80	121	20
o-Xylene	50	0	47.6	ug/L	95		2		78	122	20
Styrene	50	0	48.6	ug/L	97		1		78	123	20
Bromoform	50	0	52.3	ug/L	105		0		66	130	20
Isopropylbenzene	50	0	45.7	ug/L	91		2		72	131	20
1,1,2,2-Tetrachloroethane	50	0	50.7	ug/L	101		0		71	121	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3193 **Analytical Method:** SW8260-Low

Client: AECOM Technical Services, In **Datafile :** VX047950.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	46.1	ug/L	92		3		80	119	20
1,4-Dichlorobenzene	50	0	45.3	ug/L	91		3		79	118	20
1,2-Dichlorobenzene	50	0	47.4	ug/L	95		3		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	48.9	ug/L	98		4		62	128	20
1,2,4-Trichlorobenzene	50	0	43.7	ug/L	87		3		69	130	20
1,2,3-Trichlorobenzene	50	0	45.8	ug/L	92		3		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3193**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047899.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0930WBS01	Dichlorodifluoromethane	20	21.4	ug/L	107			32	152	
	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	20.6	ug/L	103			58	137	
	Bromomethane	20	21.0	ug/L	105			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	21.0	ug/L	105			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/L	104			70	136	
	1,1-Dichloroethene	20	20.3	ug/L	102			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	19.3	ug/L	97			64	133	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			71	124	
	Methyl Acetate	20	22.9	ug/L	115			56	136	
	Methylene Chloride	20	21.6	ug/L	108			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	19.0	ug/L	95			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	22.8	ug/L	114			78	123	
	Chloroform	20	22.0	ug/L	110			79	124	
	1,1,1-Trichloroethane	20	20.8	ug/L	104			74	131	
	Methylcyclohexane	20	18.5	ug/L	93			72	132	
	Benzene	20	20.9	ug/L	104			79	120	
	1,2-Dichloroethane	20	20.8	ug/L	104			73	128	
	Trichloroethene	20	20.5	ug/L	103			79	123	
	1,2-Dichloropropane	20	21.3	ug/L	106			78	122	
	Bromodichloromethane	20	21.5	ug/L	108			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.9	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	20.6	ug/L	103			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.2	ug/L	111			74	126	
	1,2-Dibromoethane	20	22.8	ug/L	114			77	121	
	Tetrachloroethene	20	19.6	ug/L	98			74	129	
	Chlorobenzene	20	20.5	ug/L	103			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.6	ug/L	102			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.5	ug/L	103			78	123	
	Bromoform	20	21.7	ug/L	109			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3193**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047899.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0930WBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			69	130	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3193**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047928.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1001WBS01	Dichlorodifluoromethane	20	20.1	ug/L	101			32	152	
	Chloromethane	20	18.7	ug/L	94			50	139	
	Vinyl chloride	20	19.5	ug/L	98			58	137	
	Bromomethane	20	22.4	ug/L	112			53	141	
	Chloroethane	20	19.4	ug/L	97			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			70	136	
	1,1-Dichloroethene	20	19.5	ug/L	98			71	131	
	Acetone	100	95.2	ug/L	95			39	160	
	Carbon disulfide	20	18.2	ug/L	91			64	133	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			71	124	
	Methyl Acetate	20	20.2	ug/L	101			56	136	
	Methylene Chloride	20	20.8	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	124	
	1,1-Dichloroethane	20	20.6	ug/L	103			77	125	
	Cyclohexane	20	18.2	ug/L	91			71	130	
	2-Butanone	100	95.9	ug/L	96			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.7	ug/L	104			78	123	
	Bromochloromethane	20	19.4	ug/L	97			78	123	
	Chloroform	20	21.2	ug/L	106			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	17.8	ug/L	89			72	132	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	20.4	ug/L	102			73	128	
	Trichloroethene	20	20.0	ug/L	100			79	123	
	1,2-Dichloropropane	20	21.1	ug/L	106			78	122	
	Bromodichloromethane	20	21.0	ug/L	105			79	125	
	4-Methyl-2-Pentanone	100	99.9	ug/L	100			67	130	
	Toluene	20	20.1	ug/L	101			80	121	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	21.4	ug/L	107			80	119	
	2-Hexanone	100	96.8	ug/L	97			57	139	
	Dibromochloromethane	20	21.6	ug/L	108			74	126	
	1,2-Dibromoethane	20	21.3	ug/L	106			77	121	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	20.2	ug/L	101			82	118	
	Ethyl Benzene	20	19.3	ug/L	97			79	121	
	m/p-Xylenes	40	39.2	ug/L	98			80	121	
	o-Xylene	20	19.5	ug/L	98			78	122	
	Styrene	20	19.9	ug/L	100			78	123	
	Bromoform	20	20.3	ug/L	102			66	130	
	Isopropylbenzene	20	18.9	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3193**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047928.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1001WBS01	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83			62	128	
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3193**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047986.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1003WBS02	Dichlorodifluoromethane	20	18.7	ug/L	94			32	152	
	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	18.1	ug/L	91			58	137	
	Bromomethane	20	20.3	ug/L	102			53	141	
	Chloroethane	20	18.2	ug/L	91			60	138	
	Trichlorofluoromethane	20	18.9	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			70	136	
	1,1-Dichloroethene	20	18.2	ug/L	91			71	131	
	Acetone	100	75.3	ug/L	75			39	160	
	Carbon disulfide	20	16.4	ug/L	82			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methyl Acetate	20	19.9	ug/L	100			56	136	
	Methylene Chloride	20	19.6	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.7	ug/L	99			77	125	
	Cyclohexane	20	17.0	ug/L	85			71	130	
	2-Butanone	100	85.5	ug/L	86			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			78	123	
	Bromochloromethane	20	20.3	ug/L	102			78	123	
	Chloroform	20	20.4	ug/L	102			79	124	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			74	131	
	Methylcyclohexane	20	17.7	ug/L	89			72	132	
	Benzene	20	19.6	ug/L	98			79	120	
	1,2-Dichloroethane	20	20.3	ug/L	102			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	20.4	ug/L	102			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	96.3	ug/L	96			67	130	
	Toluene	20	19.4	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.9	ug/L	104			80	119	
	2-Hexanone	100	88.5	ug/L	89			57	139	
	Dibromochloromethane	20	21.2	ug/L	106			74	126	
	1,2-Dibromoethane	20	20.7	ug/L	104			77	121	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	19.4	ug/L	97			82	118	
	Ethyl Benzene	20	18.7	ug/L	94			79	121	
	m/p-Xylenes	40	37.8	ug/L	95			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	19.0	ug/L	95			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	18.3	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	18.9	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3193**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM Technical Services, Inc.**	**Datafile :**	VX047986.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1003WBS02	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			62	128	
	1,2,4-Trichlorobenzene	20	17.5	ug/L	88			69	130	
	1,2,3-Trichlorobenzene	20	17.7	ug/L	89			69	129	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0930WBL01

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047898.D Lab Sample ID: VX0930WBL01

Date Analyzed: 09/30/2025 Time Analyzed: 10:09

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
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025
RE137-20250922	Q3193-05	VX047909.D	09/30/2025
RW4-20250922	Q3193-06	VX047910.D	09/30/2025
RW10A-MW01I-20250923	Q3193-09	VX047913.D	09/30/2025
RW8-MW01S-20250923	Q3193-10	VX047914.D	09/30/2025
TT172S1-20250923	Q3193-11	VX047915.D	09/30/2025
DUP12-20250923	Q3193-12	VX047916.D	09/30/2025
RW10A-MW01S-20250923	Q3193-13	VX047917.D	09/30/2025
RW8-MW01D1-20250923	Q3193-14	VX047918.D	09/30/2025
DUP11-20250923	Q3193-15	VX047919.D	09/30/2025
TT161S1-20250923	Q3193-16	VX047920.D	09/30/2025
RE103D1-20250923	Q3193-17	VX047921.D	09/30/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1001WBL01

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3193

Lab File ID: VX047927.D | Lab Sample ID: VX1001WBL01

Date Analyzed: 10/01/2025 | Time Analyzed: 10:03

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
VX1001WBS01	VX1001WBS01	VX047928.D	10/01/2025
RW4-20250922DL	Q3193-06DL	VX047929.D	10/01/2025
RE137-20250922DL	Q3193-05DL	VX047931.D	10/01/2025
RE103D1-20250923DL	Q3193-17DL	VX047932.D	10/01/2025
TT149S1-20250922	Q3193-04	VX047933.D	10/01/2025
GM38-RW3-MW1-20250922	Q3193-07	VX047934.D	10/01/2025
TT20551-20250923	Q3193-08	VX047935.D	10/01/2025
TT162S1-20250924	Q3193-21	VX047939.D	10/01/2025
RE120D3-20250924	Q3193-22	VX047940.D	10/01/2025
MW203D-20250923	Q3193-18	VX047941.D	10/01/2025
TT174I1-20250924	Q3193-20	VX047942.D	10/01/2025
RW10-MW01D-20250923MS	Q3193-02MS	VX047949.D	10/01/2025
RW10-MW01D-20250923MSD	Q3193-03MSD	VX047950.D	10/01/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX1003WBL01

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3193

Lab File ID: VX047983.D | Lab Sample ID: VX1003WBL01

Date Analyzed: 10/03/2025 | Time Analyzed: 10:16

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
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025
EB04-20250923	Q3193-19	VX047988.D	10/03/2025
RW10-MW01D-20250923	Q3193-01	VX047990.D	10/03/2025

COMMENTS:

Raw Data: **VX047584.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO15

Lab Code: ACE | SDG NO.: Q3193

Lab File ID: VX047584.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:56

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDICC001	VSTDICC001	VX047585.D	09/16/2025	09:23
VSTDICC005	VSTDICC005	VX047586.D	09/16/2025	10:16
VSTDICC020	VSTDICC020	VX047587.D	09/16/2025	10:37
VSTDICCC050	VSTDICCC050	VX047588.D	09/16/2025	10:58
VSTDICC100	VSTDICC100	VX047589.D	09/16/2025	11:40
VSTDICC150	VSTDICC150	VX047590.D	09/16/2025	12:01

Raw Data: **VX047895.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG NO.: Q3193
Lab File ID: VX047895.D
BFB Injection Date: 09/30/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:49
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	19.2
75	30.0 - 60.0% of mass 95	52.8
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 (0.8) 1
174	50.0 - 100.0% of mass 95	68
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	67.8 (99.7) 1
177	5.0 - 9.0% of mass 176	4 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047896.D	09/30/2025	09:20
VX0930WBL01	VX0930WBL01	VX047898.D	09/30/2025	10:09
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025	11:06
RE137-20250922	Q3193-05	VX047909.D	09/30/2025	14:37
RW4-20250922	Q3193-06	VX047910.D	09/30/2025	14:58
RW10A-MW01I-20250923	Q3193-09	VX047913.D	09/30/2025	16:00
RW8-MW01S-20250923	Q3193-10	VX047914.D	09/30/2025	16:21
TT172S1-20250923	Q3193-11	VX047915.D	09/30/2025	16:42
DUP12-20250923	Q3193-12	VX047916.D	09/30/2025	17:03
RW10A-MW01S-20250923	Q3193-13	VX047917.D	09/30/2025	17:24
RW8-MW01D1-20250923	Q3193-14	VX047918.D	09/30/2025	17:45
DUP11-20250923	Q3193-15	VX047919.D	09/30/2025	18:06
TT161S1-20250923	Q3193-16	VX047920.D	09/30/2025	18:27
RE103D1-20250923	Q3193-17	VX047921.D	09/30/2025	18:48
VSTDCCC050EC	VSTDCCC050	VX047923.D	09/30/2025	19:30

Raw Data: **VX047924.D**

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG NO.: Q3193
Lab File ID: VX047924.D
BFB Injection Date: 10/01/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:10
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	68.7 (96.3) 1
177	5.0 - 9.0% of mass 176	4.2 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047925.D	10/01/2025	08:44
VX1001WBL01	VX1001WBL01	VX047927.D	10/01/2025	10:03
VX1001WBS01	VX1001WBS01	VX047928.D	10/01/2025	10:59
RW4-20250922DL	Q3193-06DL	VX047929.D	10/01/2025	11:20
RE137-20250922DL	Q3193-05DL	VX047931.D	10/01/2025	12:01
RE103D1-20250923DL	Q3193-17DL	VX047932.D	10/01/2025	12:22
TT149S1-20250922	Q3193-04	VX047933.D	10/01/2025	12:43
GM38-RW3-MW1-20250922	Q3193-07	VX047934.D	10/01/2025	13:04
TT20551-20250923	Q3193-08	VX047935.D	10/01/2025	13:25
TT162S1-20250924	Q3193-21	VX047939.D	10/01/2025	14:48
RE120D3-20250924	Q3193-22	VX047940.D	10/01/2025	15:09
MW203D-20250923	Q3193-18	VX047941.D	10/01/2025	15:30
TT174I1-20250924	Q3193-20	VX047942.D	10/01/2025	15:50
RW10-MW01D-20250923MS	Q3193-02MS	VX047949.D	10/01/2025	18:17
RW10-MW01D-20250923MSD	Q3193-03MSD	VX047950.D	10/01/2025	18:38
VSTDCCC050EC	VSTDCCC050	VX047951.D	10/01/2025	18:59

Raw Data: **VX047980.D**

Alliance TECHNICAL GROUP

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG NO.: Q3193
Lab File ID: VX047980.D
BFB Injection Date: 10/03/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:35
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.1
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	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	5.2 (7.7) 1
176	95.0 - 101.0% of mass 174	64.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.1 (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	VX047981.D	10/03/2025	09:35
VX1003WBL01	VX1003WBL01	VX047983.D	10/03/2025	10:16
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025	12:22
EB04-20250923	Q3193-19	VX047988.D	10/03/2025	13:09
RW10-MW01D-20250923	Q3193-01	VX047990.D	10/03/2025	13:50
VSTDCCC050EC	VSTDCCC050	VX048007.D	10/03/2025	19:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047896.D Date Analyzed: 09/30/2025

Instrument ID: MSVOA_X Time Analyzed: 09:20

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	159265	5.53	274684	6.74	247069	10.04
UPPER LIMIT	318530	6.031	549368	7.239	494138	10.537
LOWER LIMIT	79632.5	5.031	137342	6.239	123535	9.537
EPA SAMPLE NO.						
RE137-20250922	127732	5.54	258483	6.75	254800	10.04
RW4-20250922	119753	5.54	250577	6.75	253514	10.04
RW10A-MW01I-20250923	125955	5.54	261894	6.75	270426	10.04
RW8-MW01S-20250923	127153	5.54	260280	6.75	268341	10.04
TT172S1-20250923	127218	5.54	261544	6.75	269532	10.04
DUP12-20250923	132206	5.54	271875	6.75	282976	10.04
RW10A-MW01S-20250923	123892	5.54	253037	6.75	261549	10.04
RW8-MW01D1-20250923	129037	5.54	266808	6.75	278211	10.04
DUP11-20250923	126991	5.54	265107	6.75	272232	10.04
TT161S1-20250923	127355	5.54	267637	6.75	278101	10.04
RE103D1-20250923	135542	5.54	282690	6.75	279849	10.04
VX0930WBL01	126165	5.54	254131	6.75	265110	10.04
VX0930WBS01	139945	5.54	252162	6.74	231700	10.04

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

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

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

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

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047896.D Date Analyzed: 09/30/2025

Instrument ID: MSVOA_X Time Analyzed: 09:20

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

	IS4 AREA #	RT #				
12 HOUR STD	121307	12.006				
UPPER LIMIT	242614	12.506				
LOWER LIMIT	60653.5	11.506				
EPA SAMPLE NO.						
RE137-20250922	124454	12.01				
RW4-20250922	125109	12.01				
RW10A-MW01I-20250923	134429	12.01				
RW8-MW01S-20250923	134231	12.01				
TT172S1-20250923	137318	12.01				
DUP12-20250923	144063	12.01				
RW10A-MW01S-20250923	128891	12.01				
RW8-MW01D1-20250923	142118	12.01				
DUP11-20250923	135633	12.01				
TT161S1-20250923	138945	12.01				
RE103D1-20250923	142951	12.01				
VX0930WBL01	133087	12.01				
VX0930WBS01	116962	12.01				

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: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047925.D Date Analyzed: 10/01/2025

Instrument ID: MSVOA_X Time Analyzed: 08:44

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	144631	5.53	260134	6.74	230415	10.04
UPPER LIMIT	289262	6.031	520268	7.238	460830	10.537
LOWER LIMIT	72315.5	5.031	130067	6.238	115208	9.537
EPA SAMPLE NO.						
RW10-MW01D-20250923MS	137577	5.54	249155	6.75	226618	10.04
RW10-MW01D-20250923MSD	130403	5.54	238258	6.75	219394	10.04
TT149S1-20250922	121776	5.54	256925	6.75	264472	10.04
RE137-20250922DL	121237	5.54	245128	6.75	249435	10.04
RW4-20250922DL	124052	5.54	250181	6.75	254599	10.04
GM38-RW3-MW1-20250922	137828	5.54	279360	6.75	288741	10.04
TT20551-20250923	133993	5.54	279255	6.75	291356	10.04
RE103D1-20250923DL	134999	5.54	282843	6.75	293609	10.04
MW203D-20250923	142268	5.54	297268	6.75	304101	10.04
TT174I1-20250924	118608	5.54	242382	6.75	250160	10.04
TT162S1-20250924	119386	5.54	245473	6.75	248853	10.04
RE120D3-20250924	142687	5.54	297599	6.75	311989	10.04
VX1001WBL01	138593	5.54	281738	6.75	294028	10.04
VX1001WBS01	143368	5.53	256464	6.75	235781	10.04

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: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047925.D Date Analyzed: 10/01/2025

Instrument ID: MSVOA_X Time Analyzed: 08:44

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

	IS4 AREA #	RT #				
12 HOUR STD	111244	12.006				
UPPER LIMIT	222488	12.506				
LOWER LIMIT	55622	11.506				
EPA SAMPLE NO.						
RW10-MW01D-20250923MS	115324	12.01				
RW10-MW01D-20250923MSD	109020	12.01				
TT149S1-20250922	132812	12.01				
RE137-20250922DL	119740	12.01				
RW4-20250922DL	121354	12.01				
GM38-RW3-MW1-20250922	149951	12.01				
TT20551-20250923	141662	12.01				
RE103D1-20250923DL	148894	12.01				
MW203D-20250923	151044	12.01				
TT174I1-20250924	123424	12.01				
TT162S1-20250924	118778	12.01				
RE120D3-20250924	154786	12.01				
VX1001WBL01	149007	12.01				
VX1001WBS01	117338	12.01				

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: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047981.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	131937	5.53	225878	6.74	209083	10.04
UPPER LIMIT	263874	6.031	451756	7.239	418166	10.537
LOWER LIMIT	65968.5	5.031	112939	6.239	104542	9.537
EPA SAMPLE NO.						
RW10-MW01D-20250923	131753	5.54	267351	6.75	277307	10.04
EB04-20250923	129971	5.54	263211	6.75	269714	10.04
VX1003WBL01	132031	5.54	278145	6.75	290715	10.04
VX1003WBS02	126673	5.54	223242	6.75	203303	10.04

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: AECO15

Lab Code: ACE SDG NO.: Q3193

Lab File ID: VX047981.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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

	IS4 AREA #	RT #				
12 HOUR STD	105470	12.006				
UPPER LIMIT	210940	12.506				
LOWER LIMIT	52735	11.506				
EPA SAMPLE NO.						
RW10-MW01D-20250923	143528	12.01				
EB04-20250923	138755	12.01				
VX1003WBL01	147497	12.01				
VX1003WBS02	101886	12.01				

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **VX047990.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047990.D	1	10/03/25 13:50	VX100325

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	1.80	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

Raw Data: **VX047990.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047990.D	1	10/03/25 13:50	VX100325

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	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	267000	6.751				
3114-55-4	Chlorobenzene-d5	277000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047990.D	1	10/03/25 13:50	VX100325

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\VX100325\
Data File : VX047990.D
Acq On : 03 Oct 2025 13:50
Operator : JC/MD
Sample : Q3193-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Quant Time: Oct 03 23:47:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

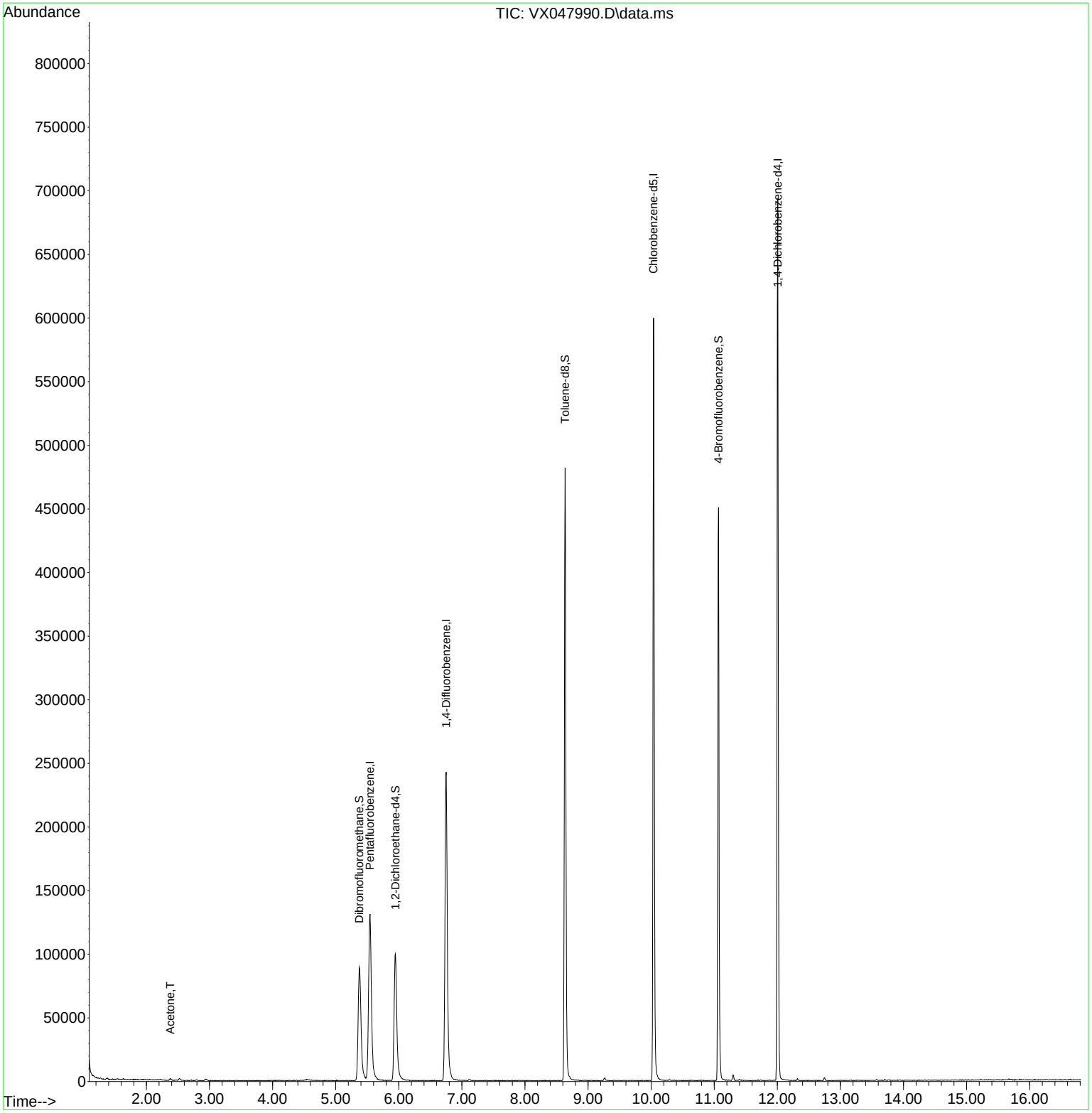
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	131753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	267351	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	277307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109749	52.332	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.660%			
35) Dibromofluoromethane	5.373	113	88177	49.178	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.360%			
50) Toluene-d8	8.635	98	301141	48.539	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.080%			
62) 4-Bromofluorobenzene	11.067	95	132820	56.409	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.820%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1617	1.773	ug/l #	74

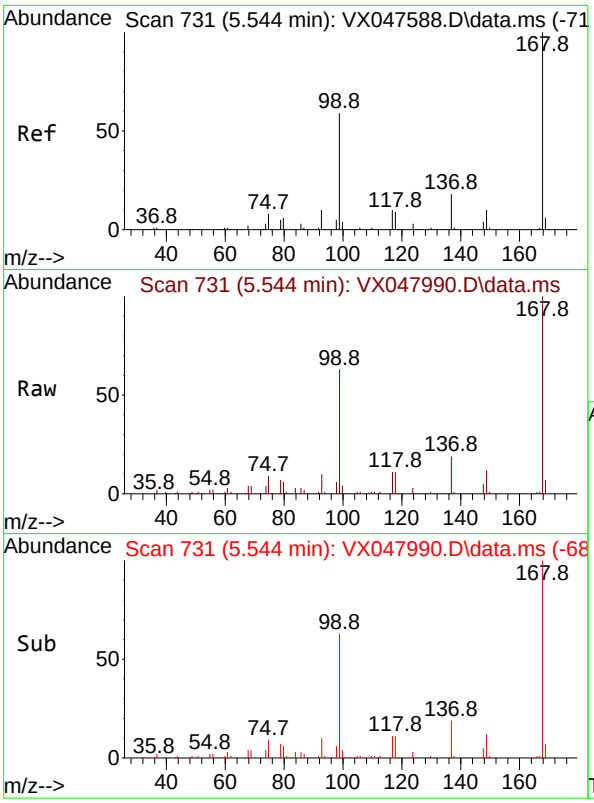
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047990.D
Acq On : 03 Oct 2025 13:50
Operator : JC/MD
Sample : Q3193-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Quant Time: Oct 03 23:47:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



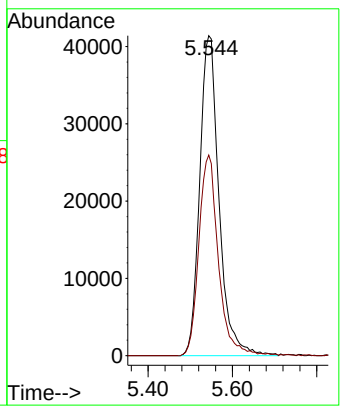


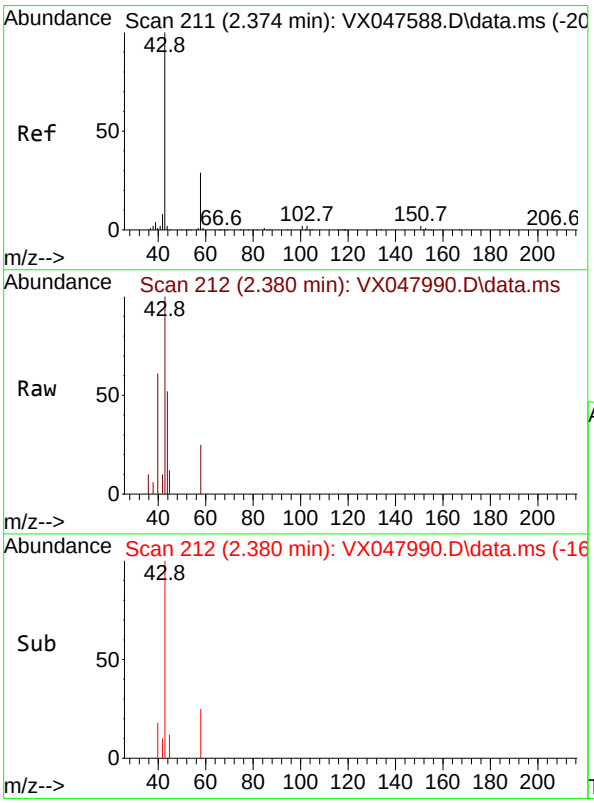
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Tgt Ion:168 Resp: 131753

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.8	73.2

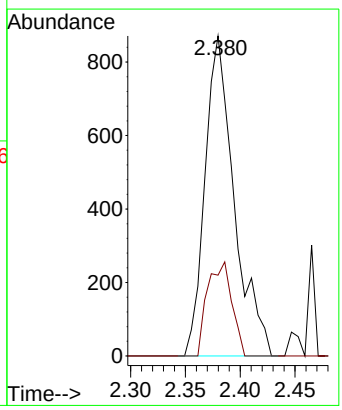


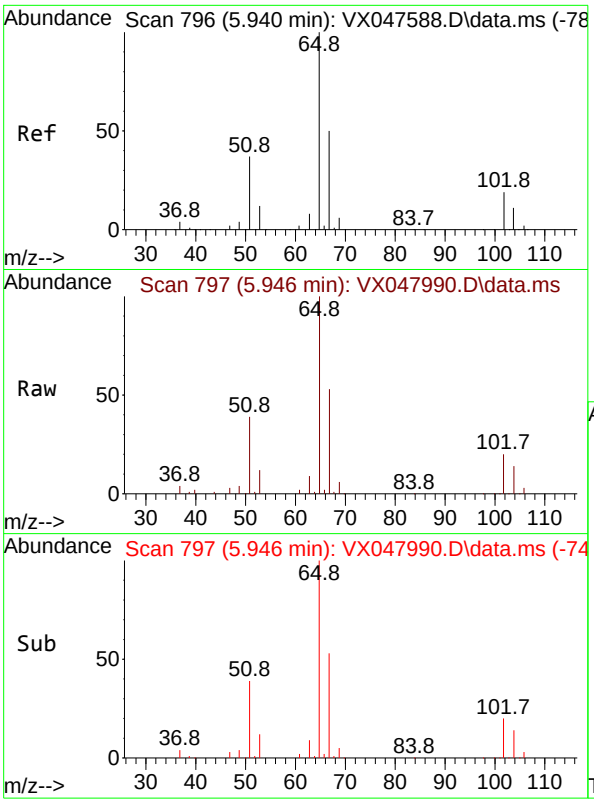


#16
Acetone
Concen: 1.773 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Tgt Ion: 43 Resp: 1617

Ion	Ratio	Lower	Upper
43	100		
58	43.2	23.4	35.0#



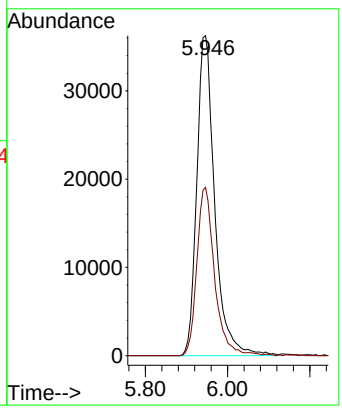


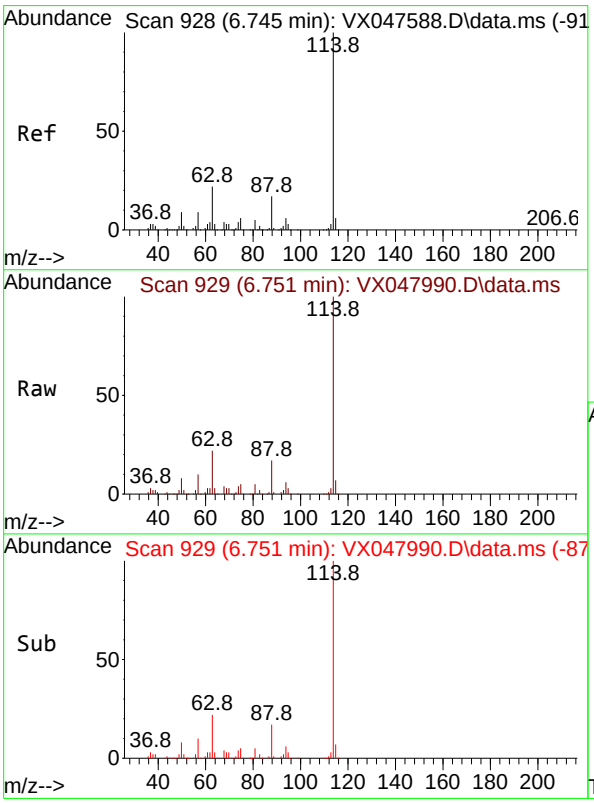
#33
1,2-Dichloroethane-d4
Concen: 52.332 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Tgt Ion: 65 Resp: 109749

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

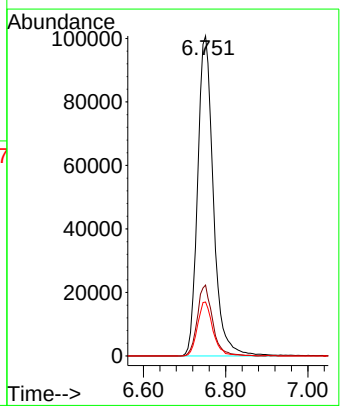


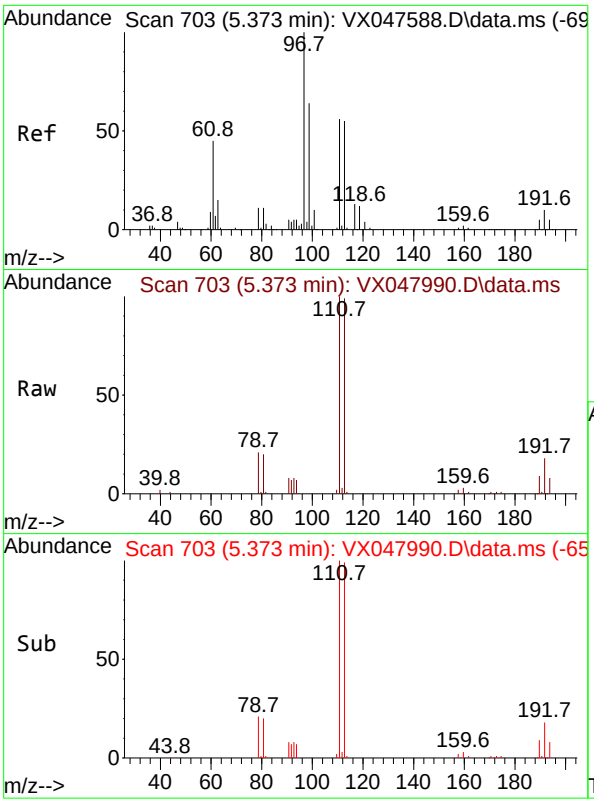


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Tgt Ion:114 Resp: 267351

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.8	0.0	34.2



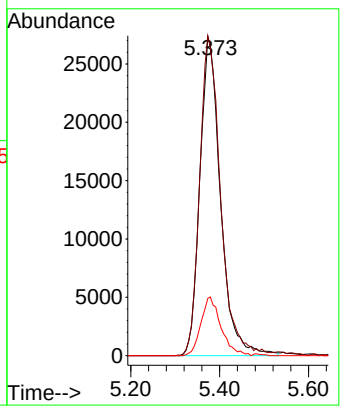


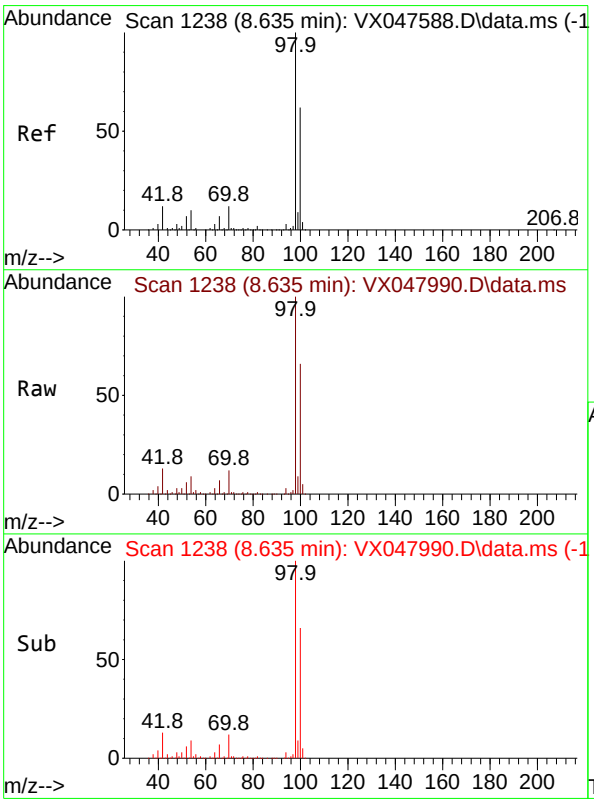
#35
Dibromofluoromethane
Concen: 49.178 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Tgt Ion:113 Resp: 88177

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.9	14.2	21.4

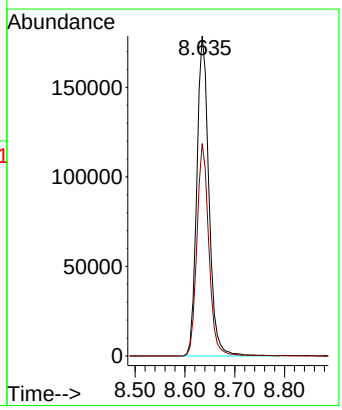


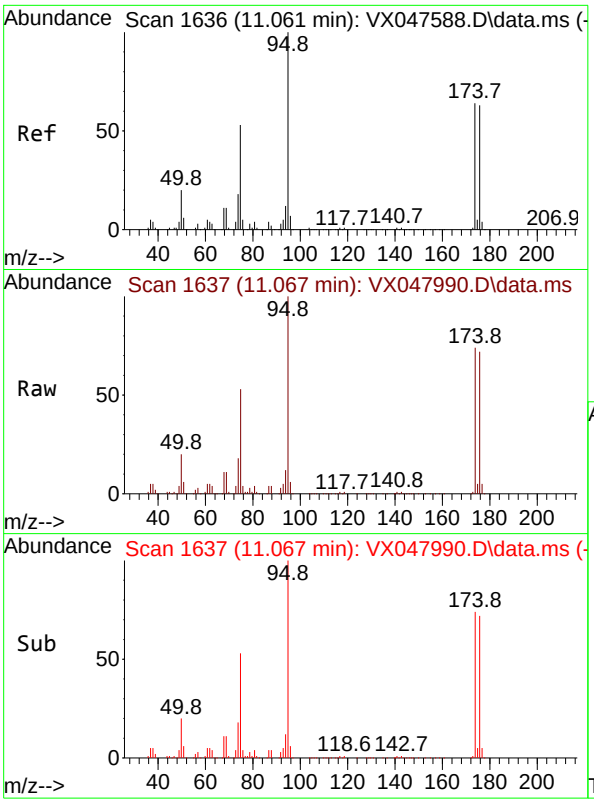


#50
Toluene-d8
Concen: 48.539 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Tgt Ion: 98 Resp: 301141

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4



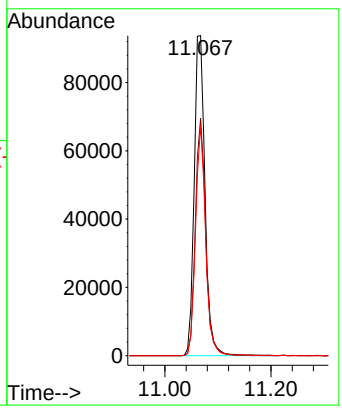


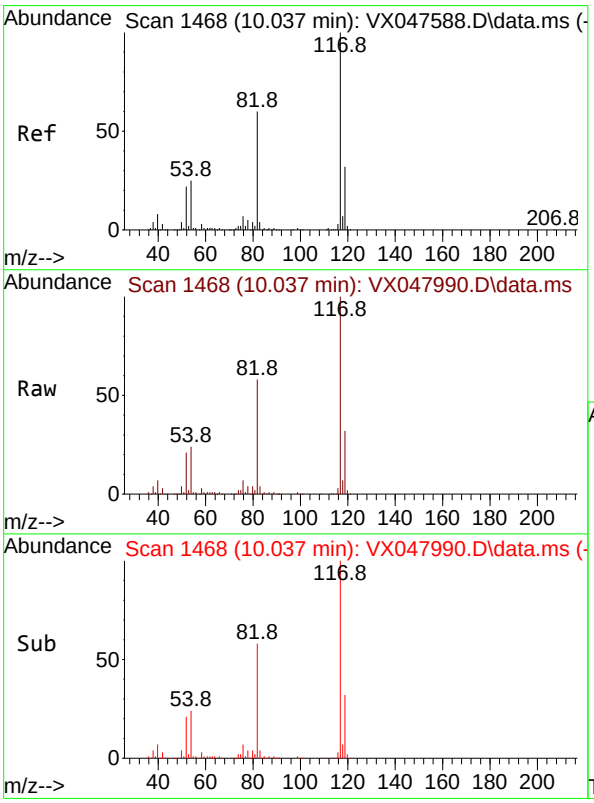
#62
4-Bromofluorobenzene
Concen: 56.409 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Tgt Ion: 95 Resp: 132820

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	66.8	0.0	138.4

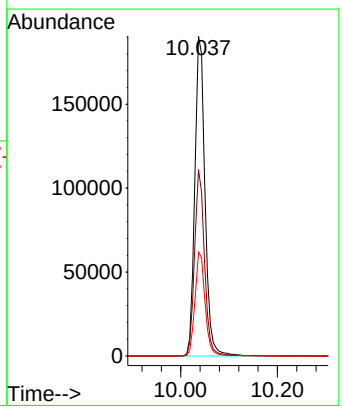


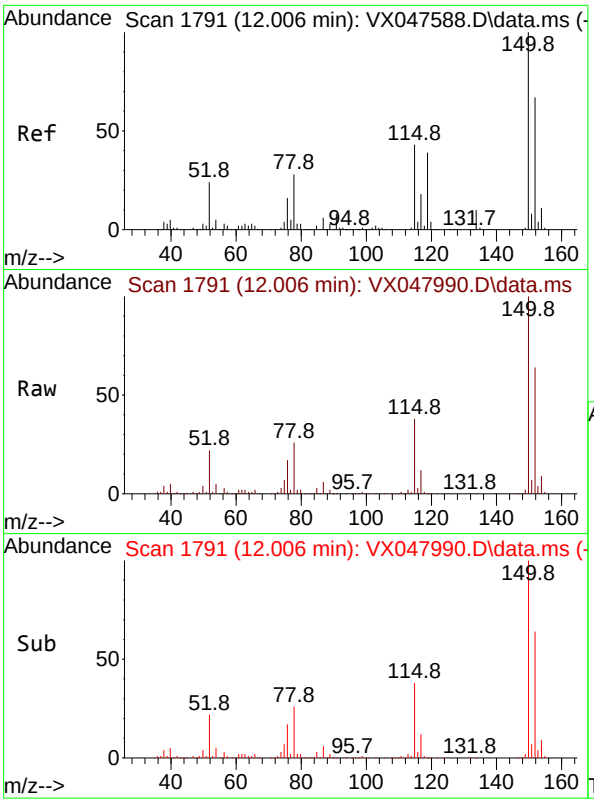


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Tgt Ion:117 Resp: 277307

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.8	71.6
119	32.4	25.2	37.8



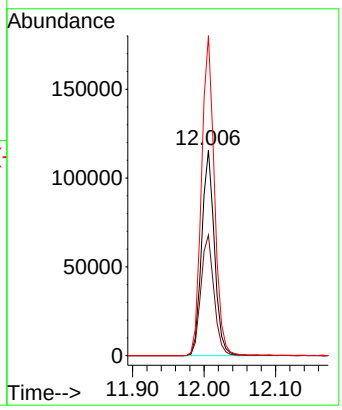


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047990.D
Acq: 03 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923

Tgt Ion:152 Resp: 143528

Ion	Ratio	Lower	Upper
152	100		
115	60.6	44.9	134.5
150	157.1	0.0	352.0



Raw Data: **VX047933.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT149S1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047933.D	1	10/01/25 12:43	VX100125

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	2.00	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	6.90		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	3.40		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

Raw Data: **VX047933.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT149S1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047933.D	1	10/01/25 12:43	VX100125

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	0.82	J	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	56.2		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	257000	6.751				
3114-55-4	Chlorobenzene-d5	264000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	12.006				

Raw Data: **VX047933.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT149S1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047933.D	1	10/01/25 12:43	VX100125

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\VX100125\
Data File : VX047933.D
Acq On : 01 Oct 2025 12:43
Operator : JC/MD
Sample : Q3193-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Quant Time: Oct 03 01:19:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

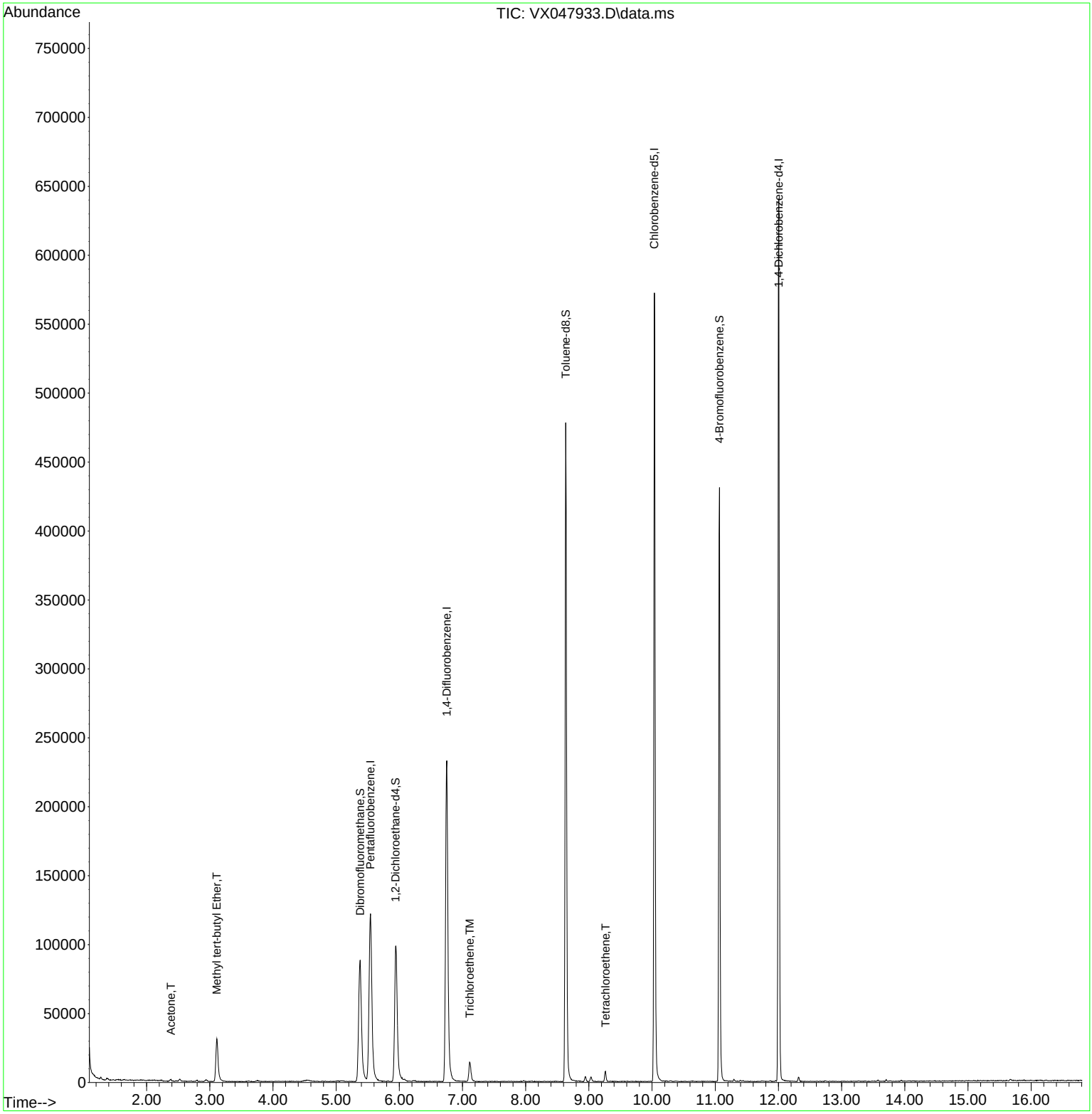
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	121776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	256925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108910	56.186	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.380%			
35) Dibromofluoromethane	5.379	113	86568	50.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.480%			
50) Toluene-d8	8.634	98	290629	48.745	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.500%			
62) 4-Bromofluorobenzene	11.067	95	123665	54.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.300%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1668	1.979	ug/l #	73
19) Methyl tert-butyl Ether	3.111	73	36698	6.948	ug/l	97
44) Trichloroethene	7.116	130	6320	3.418	ug/l	95
64) Tetrachloroethene	9.262	164	1408	0.817	ug/l #	91

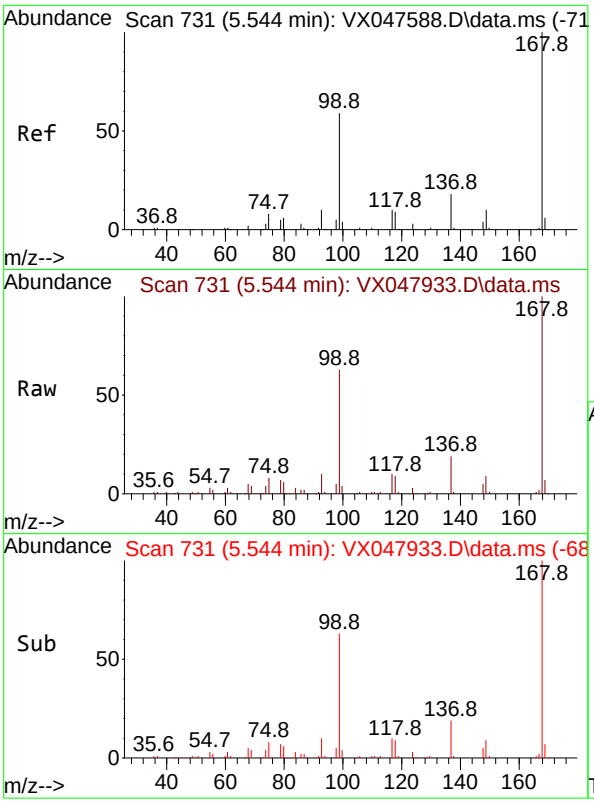
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047933.D
Acq On : 01 Oct 2025 12:43
Operator : JC/MD
Sample : Q3193-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Quant Time: Oct 03 01:19:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



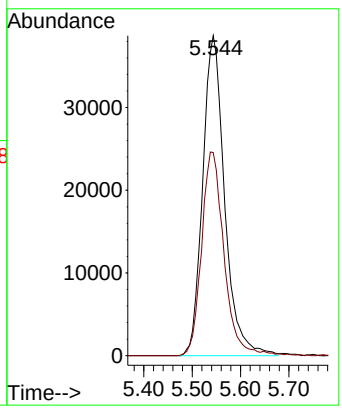


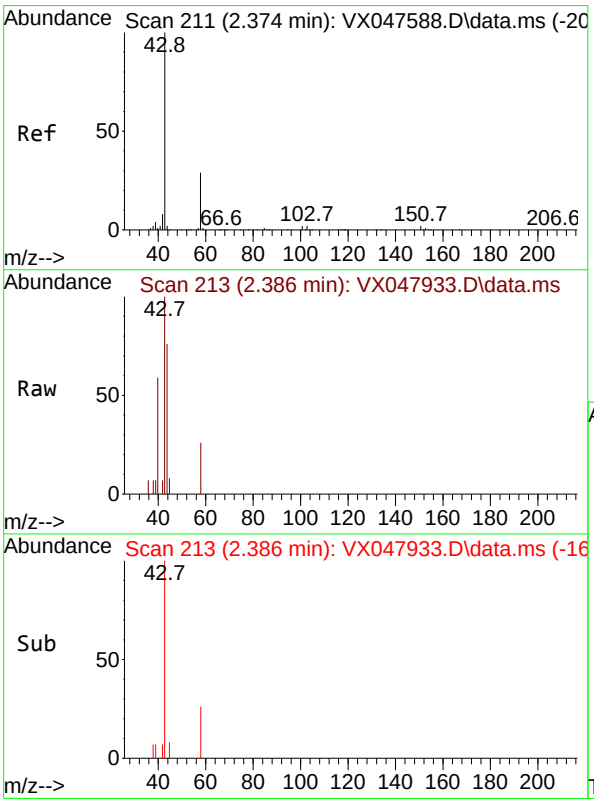
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Tgt Ion:168 Resp: 121776

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

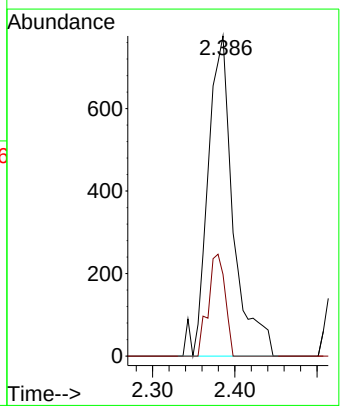


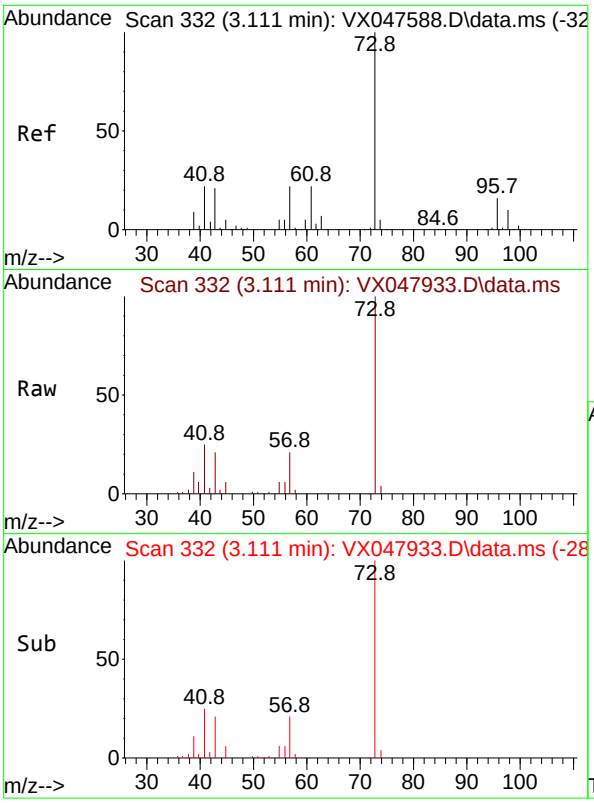


#16
Acetone
Concen: 1.979 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Tgt Ion: 43 Resp: 1668

Ion	Ratio	Lower	Upper
43	100		
58	14.5	23.4	35.0#



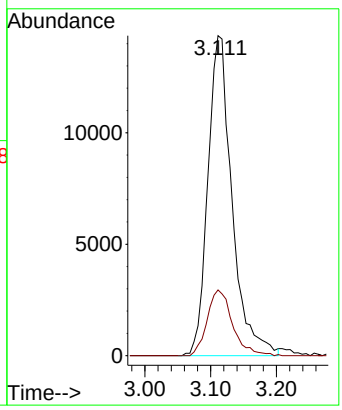


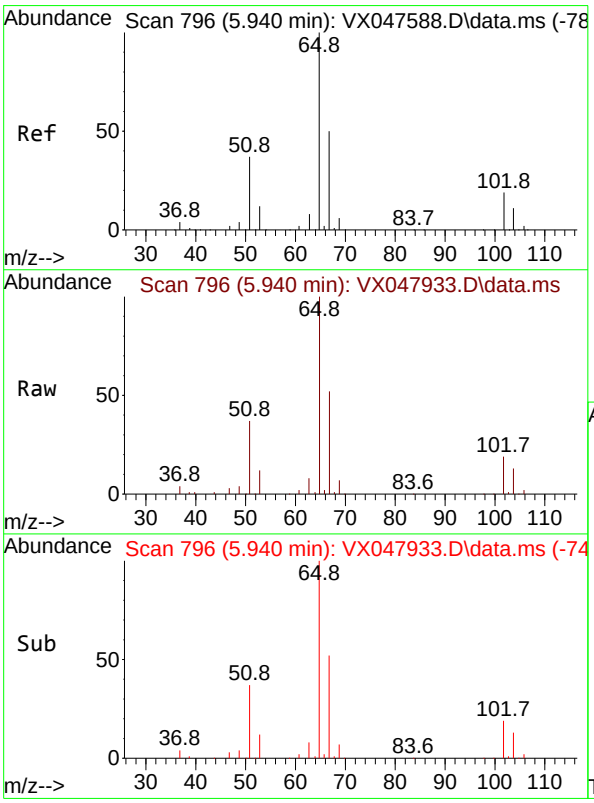
#19
Methyl tert-butyl Ether
Concen: 6.948 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Tgt Ion: 73 Resp: 36698

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.4	26.2

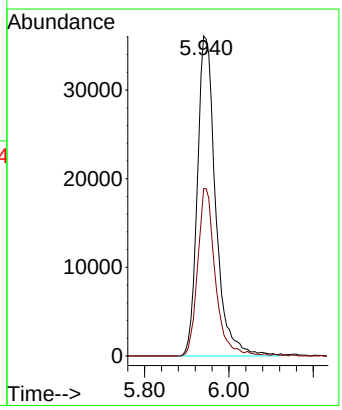


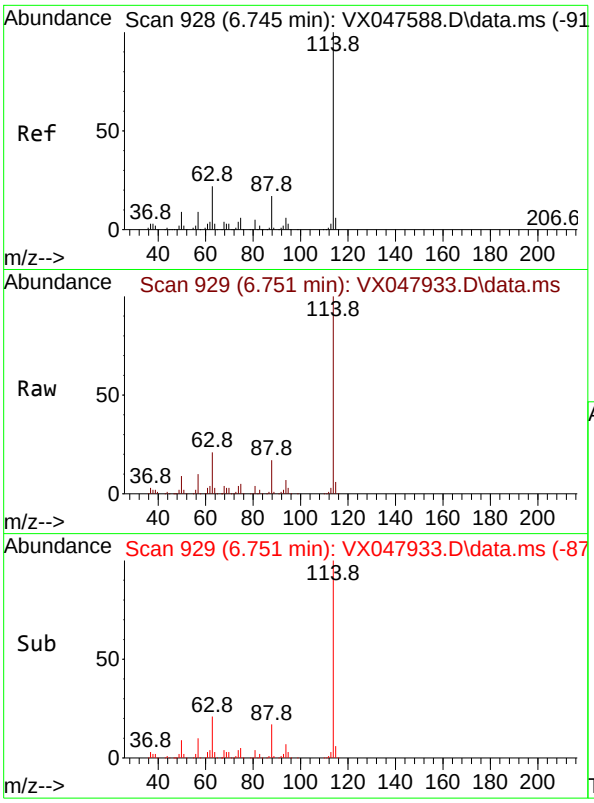


#33
1,2-Dichloroethane-d4
Concen: 56.186 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Tgt Ion: 65 Resp: 108910

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	103.0



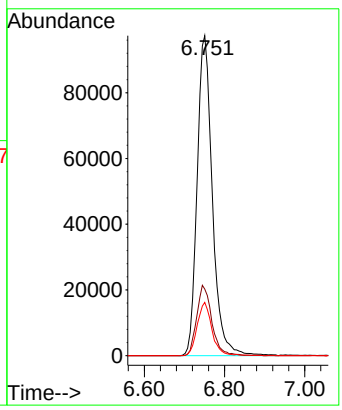


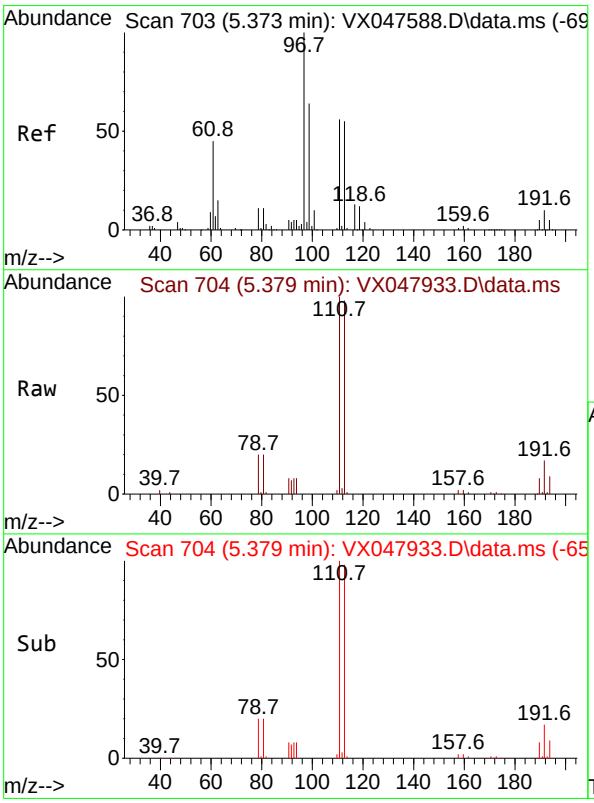
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Tgt Ion:114 Resp: 256925

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.7	0.0	34.2

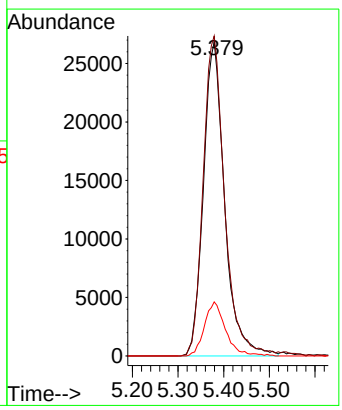


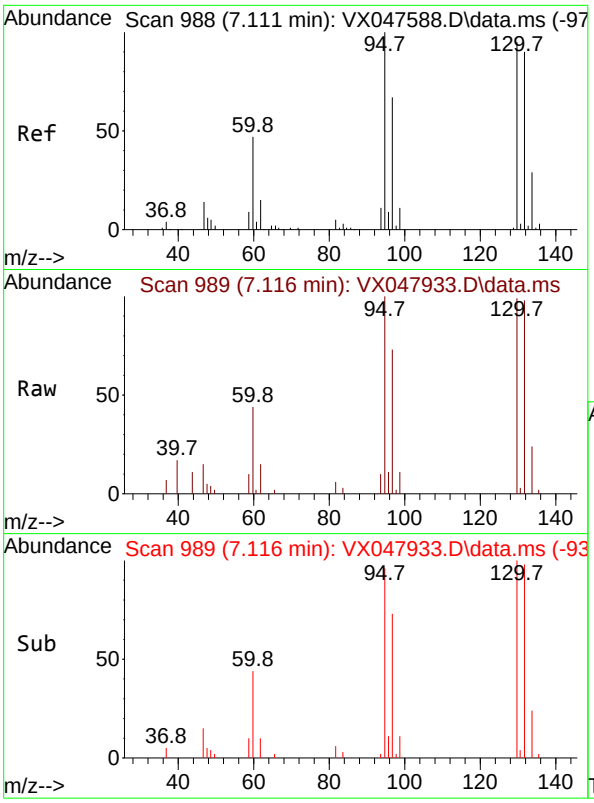


#35
Dibromofluoromethane
Concen: 50.240 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Tgt Ion:113 Resp: 86568

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.3	14.2	21.4



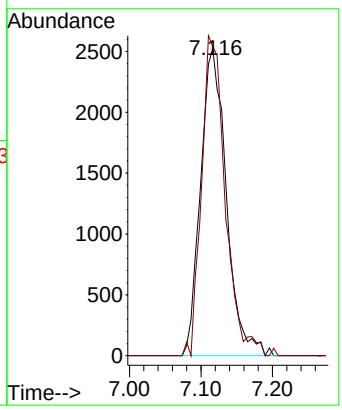


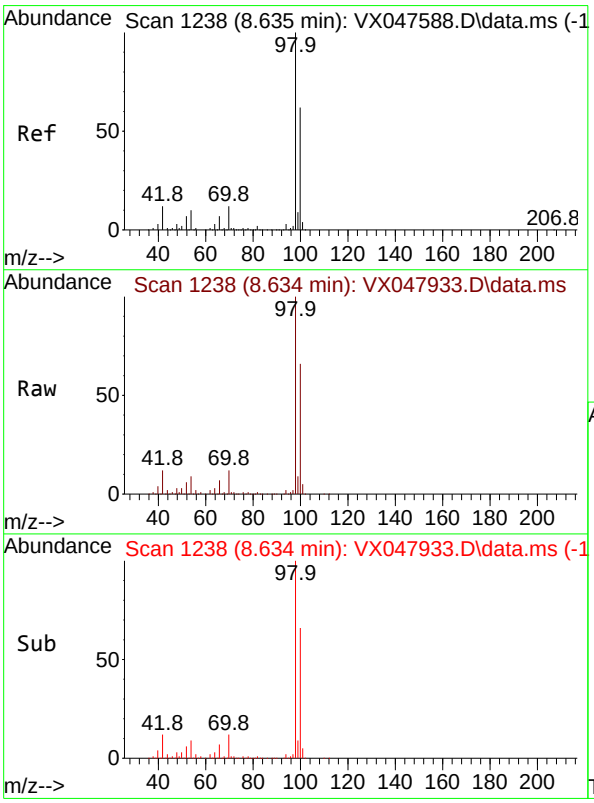
#44
Trichloroethene
Concen: 3.418 ug/l
RT: 7.116 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Tgt Ion:130 Resp: 6320

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	210.8

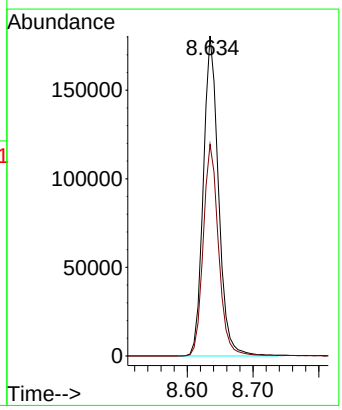


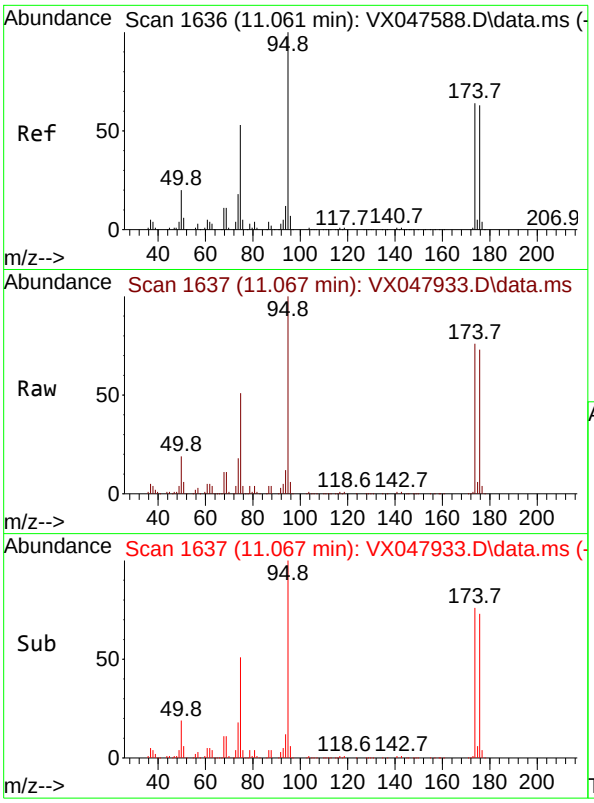


#50
Toluene-d8
Concen: 48.745 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Tgt Ion: 98 Resp: 290629

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



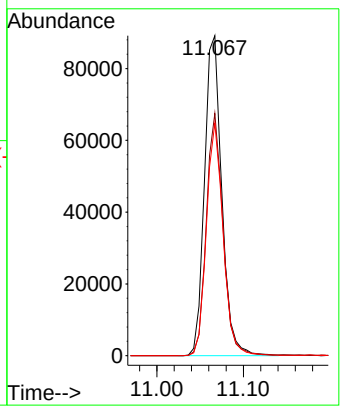


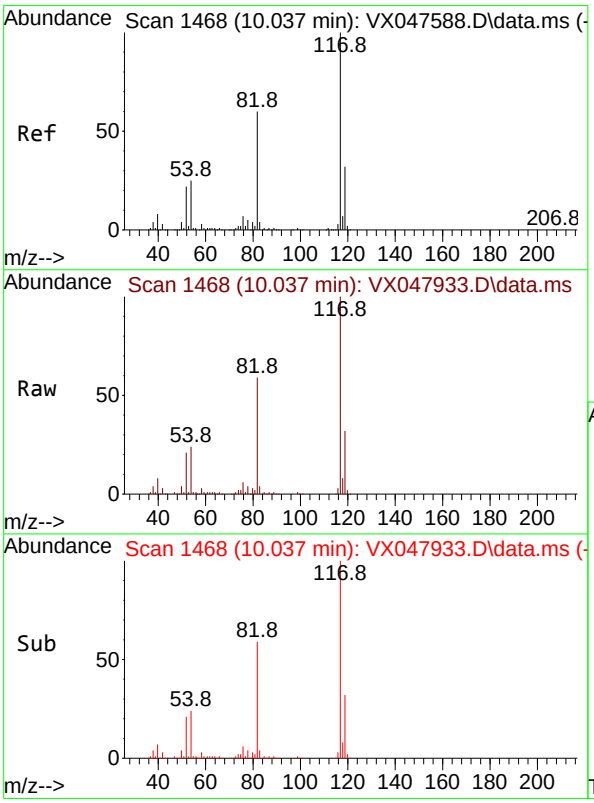
#62
4-Bromofluorobenzene
Concen: 54.652 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Tgt Ion: 95 Resp: 123665

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	141.6
176	70.5	0.0	138.4

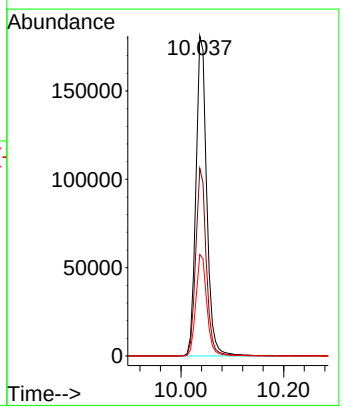


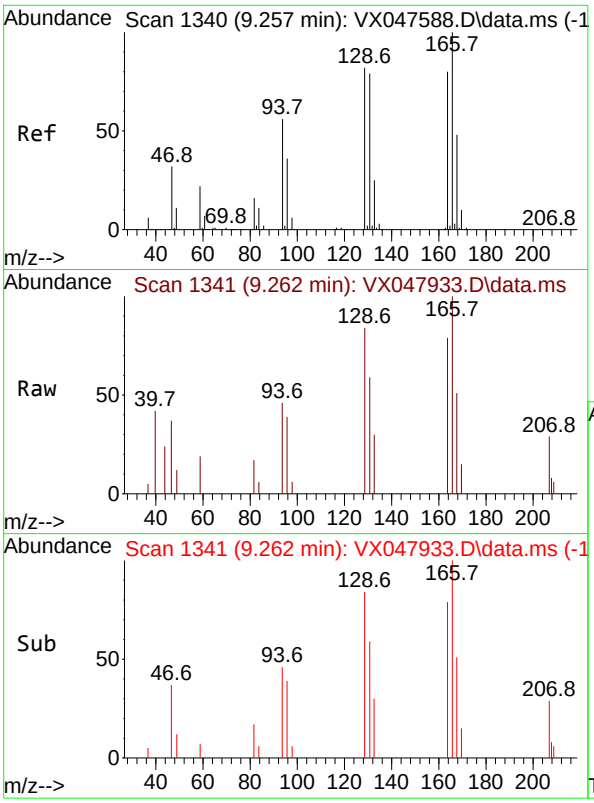


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Tgt Ion:117 Resp: 264472

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.7	25.2	37.8



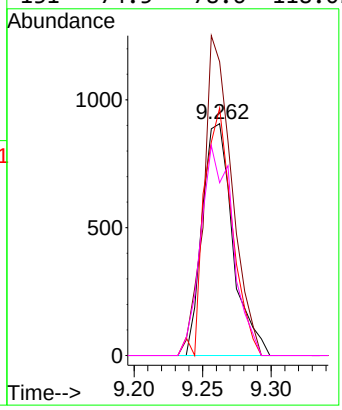


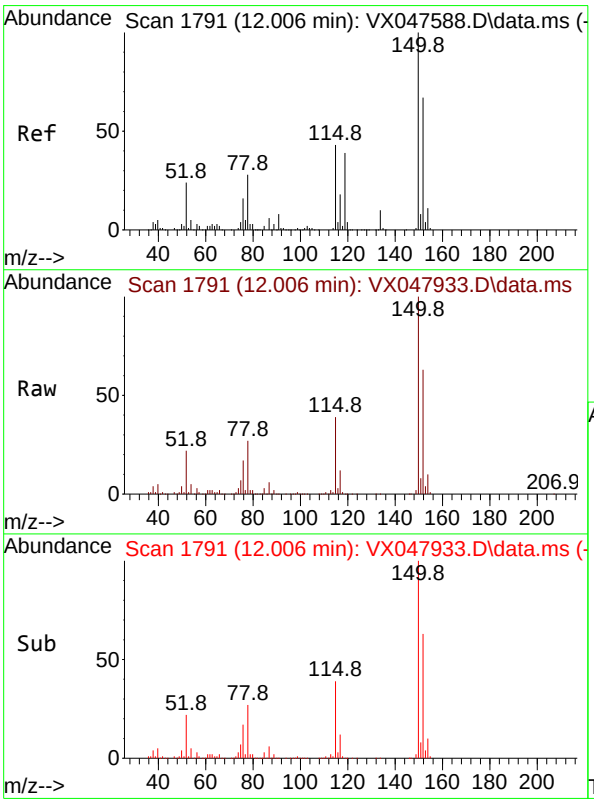
#64
Tetrachloroethene
Concen: 0.817 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20250922

Tgt Ion:164 Resp: 1408

Ion	Ratio	Lower	Upper
164	100		
166	126.7	100.2	150.2
129	106.7	81.8	122.6
131	74.5	78.6	118.0#

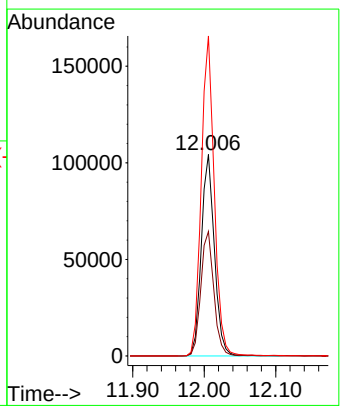




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047933.D
Acq: 01 Oct 2025 12:43

Tgt Ion:152 Resp: 132812

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.9	134.5
150	157.4	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE137-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047909.D	1	09/30/25 14:37	VX093025

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	14.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.50		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	0.75	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	1.10		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90		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	0.65	J	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	620	E	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

Raw Data: **VX047909.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE137-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047909.D	1	09/30/25 14:37	VX093025

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	4.60		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	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.9		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.544				
540-36-3	1,4-Difluorobenzene	258000	6.751				
3114-55-4	Chlorobenzene-d5	255000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.006				

Raw Data: **VX047909.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE137-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047909.D	1	09/30/25 14:37	VX093025

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\VX093025\
Data File : VX047909.D
Acq On : 30 Sep 2025 14:37
Operator : JC/MD
Sample : Q3193-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Quant Time: Oct 01 01:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	258483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	254800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99916	49.143	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.280%			
35) Dibromofluoromethane	5.373	113	82904	47.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.640%			
50) Toluene-d8	8.635	98	281093	46.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.720%			
62) 4-Bromofluorobenzene	11.061	95	117094	51.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.880%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	21939	14.850	ug/l	96
11) Tert butyl alcohol	2.953	59	2651	11.707	ug/l #	76
12) 1,1-Dichloroethene	2.325	96	3748	2.470	ug/l	95
16) Acetone	2.380	43	6405	7.245	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	3713	1.856	ug/l	99
29) Tetrahydrofuran	5.001	42	10302	15.530	ug/l	91
30) Chloroform	5.099	83	2118m	0.650	ug/l	
38) Carbon Tetrachloride	5.672	117	3150	1.145	ug/l #	76
44) Trichloroethene	7.111	130	1150159	618.351	ug/l	96
49) 1,4-Dioxane	7.665	88	540	24.116	ug/l #	66
64) Tetrachloroethene	9.257	164	7665	4.615	ug/l	93

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

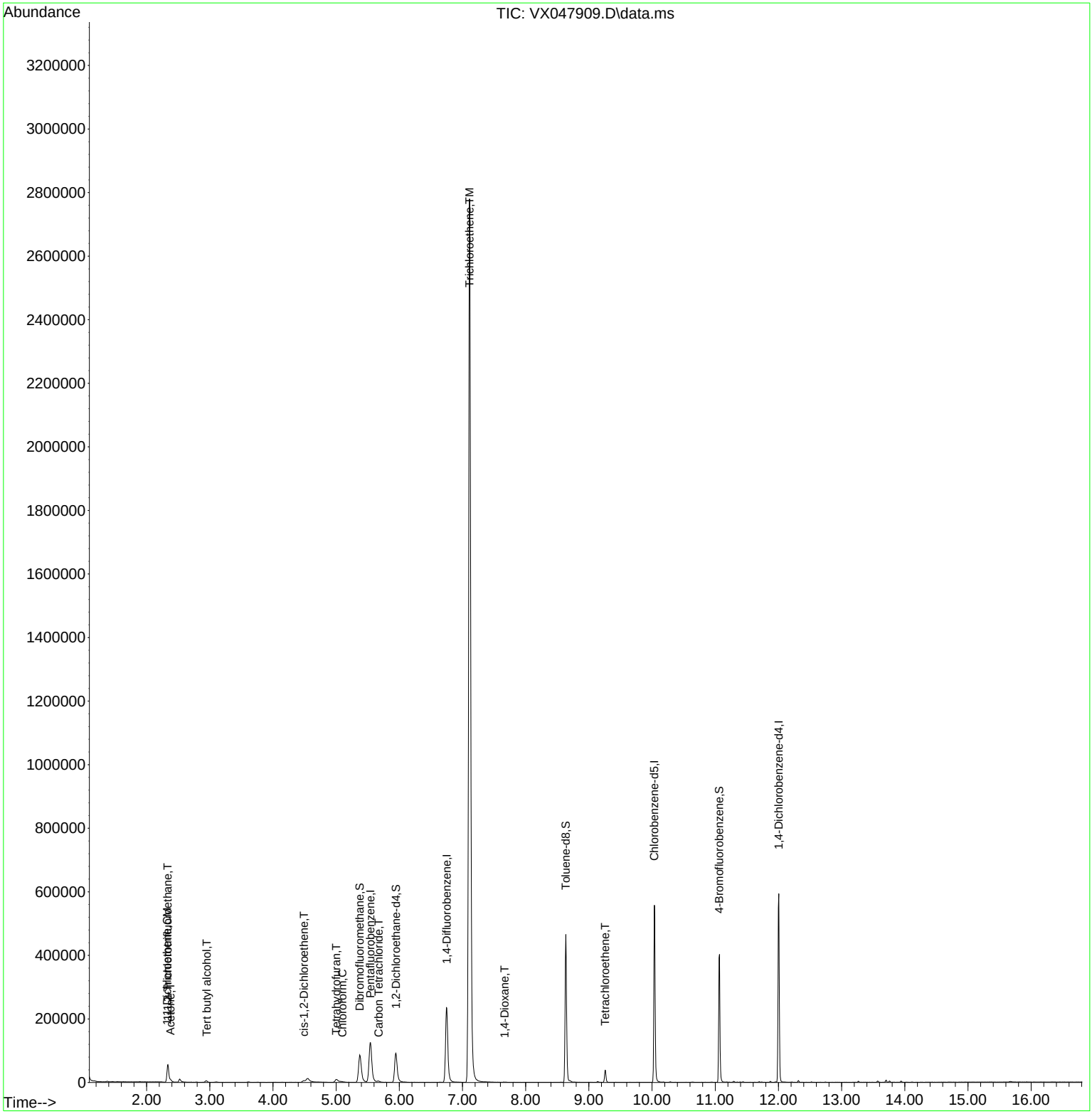
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047909.D
Acq On : 30 Sep 2025 14:37
Operator : JC/MD
Sample : Q3193-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

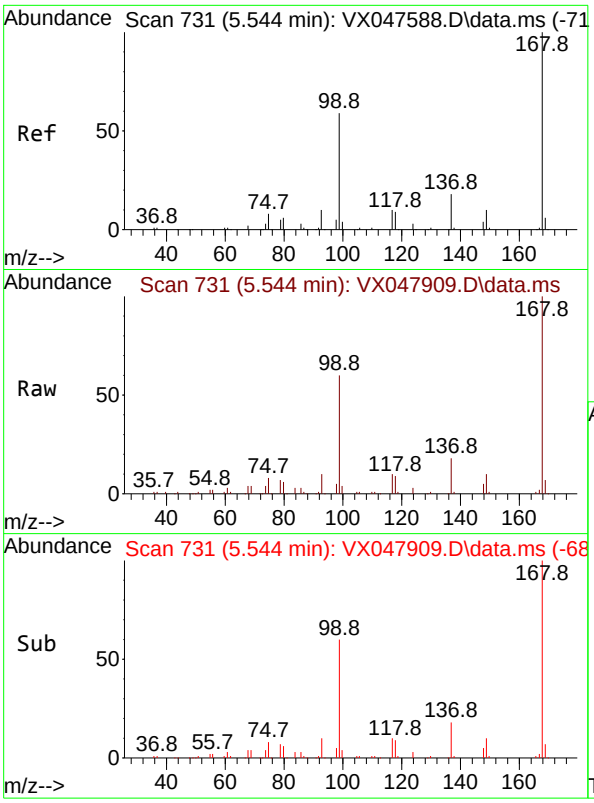
Quant Time: Oct 01 01:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

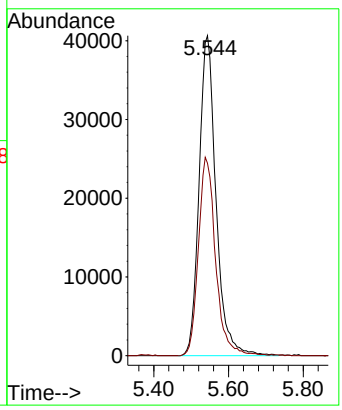
Tgt Ion:168 Resp: 12773

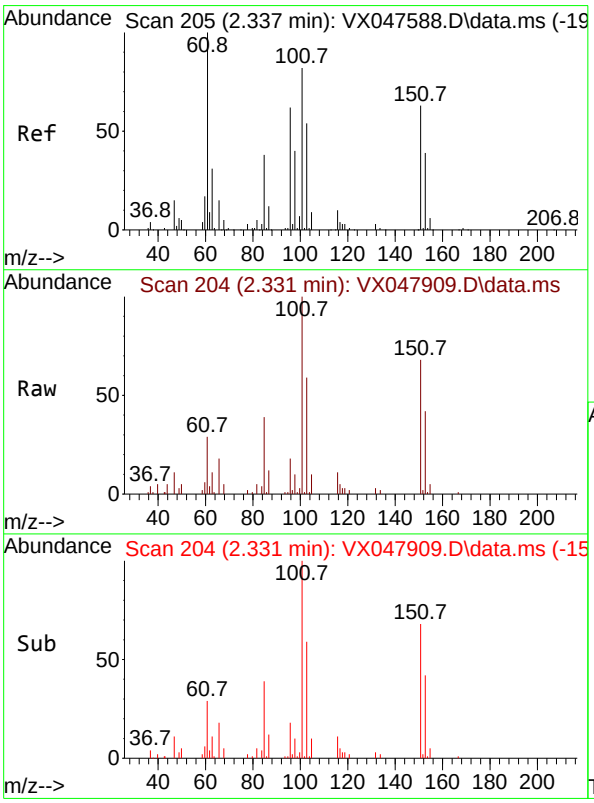
Ion	Ratio	Lower	Upper
168	100		
99	60.1	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

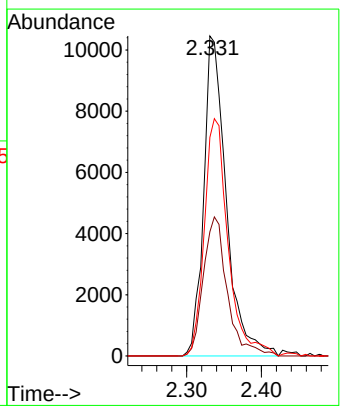


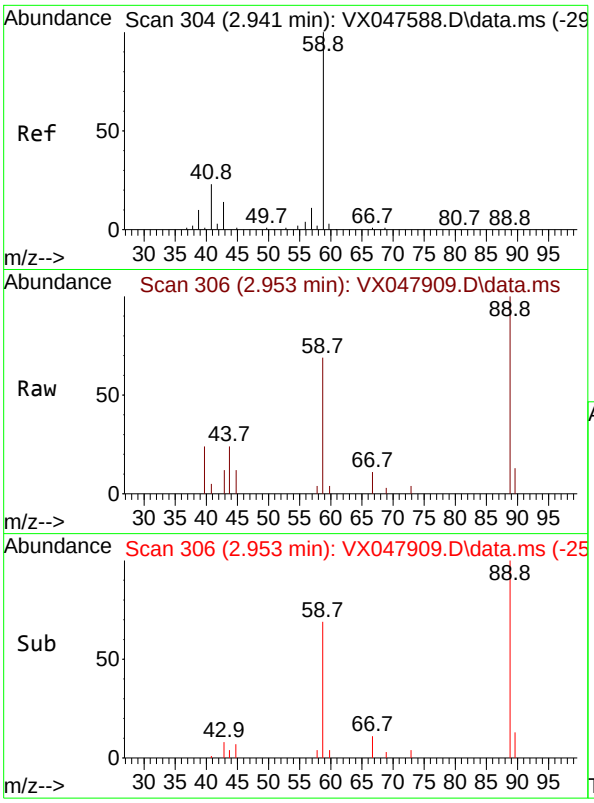


#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.850 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:101 Resp: 21939

Ion	Ratio	Lower	Upper
101	100		
85	46.1	35.5	53.3
151	78.2	59.4	89.0

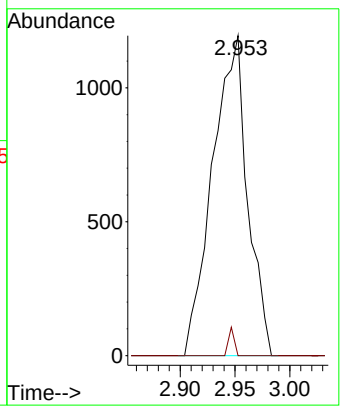




#11
Tert butyl alcohol
Concen: 11.707 ug/l
RT: 2.953 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 59 Resp: 265

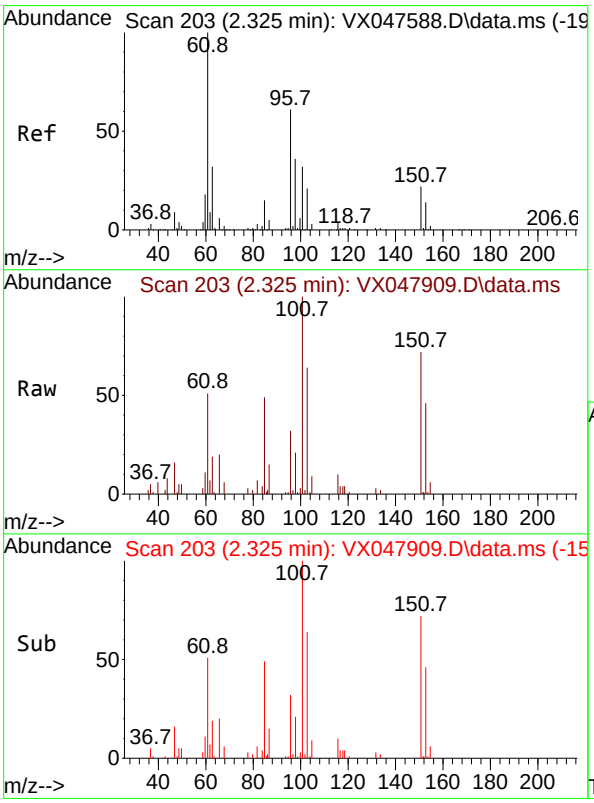
Ion	Ratio	Lower	Upper
59	100		
57	1.5	8.3	12.5#



Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

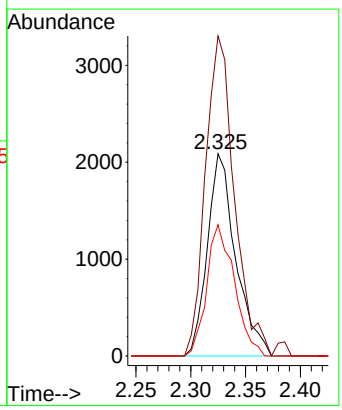
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

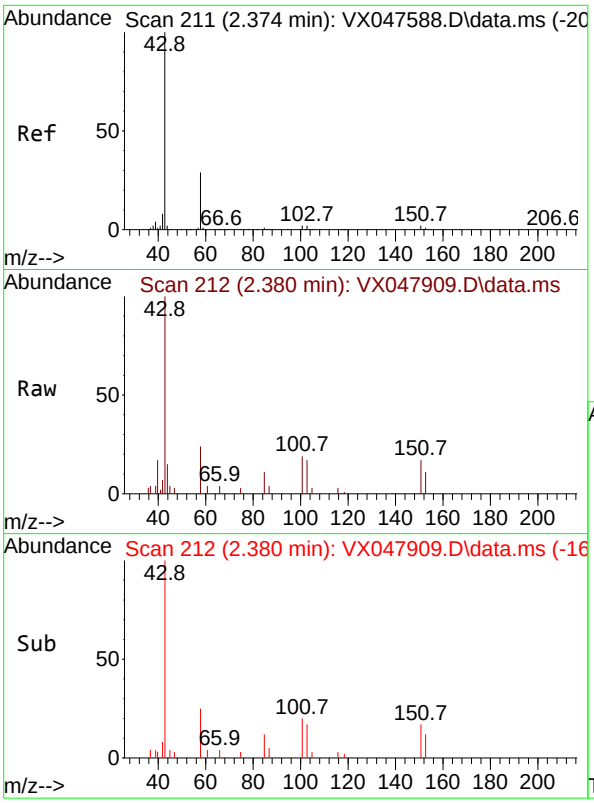


#12
1,1-Dichloroethene
Concen: 2.470 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 96 Resp: 3748

Ion	Ratio	Lower	Upper
96	100		
61	158.2	131.0	196.6
98	64.9	47.7	71.5





#16
Acetone
Concen: 7.245 ug/l
RT: 2.380 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

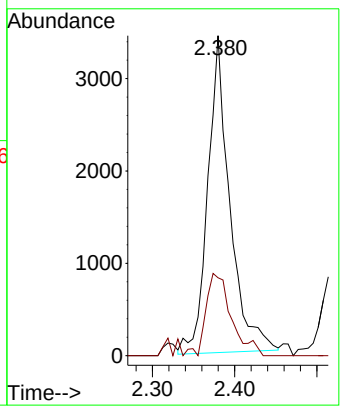
Tgt Ion: 43 Resp: 640

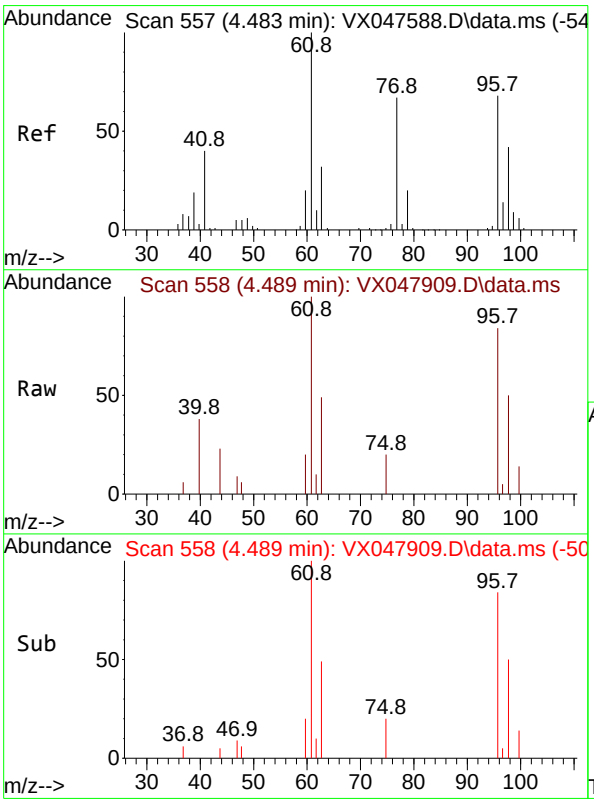
Ion	Ratio	Lower	Upper
43	100		
58	24.8	23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

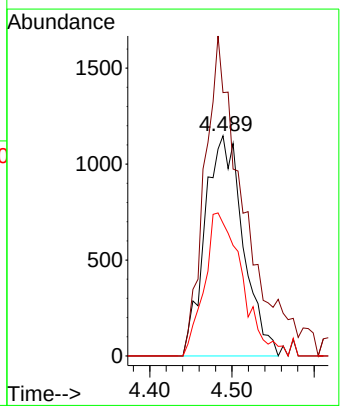


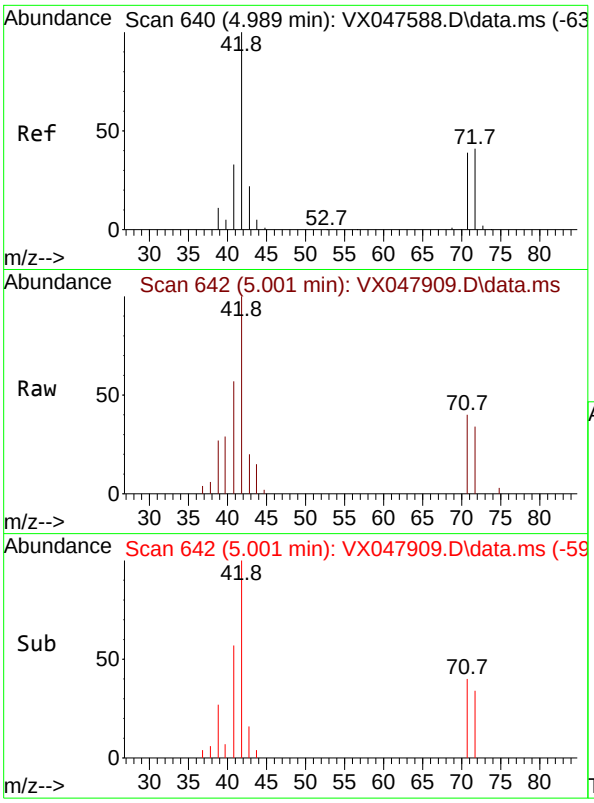


#27
cis-1,2-Dichloroethene
Concen: 1.856 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 96 Resp: 3713

Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	303.2
98	64.2	0.0	127.8





#29
Tetrahydrofuran
Concen: 15.530 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

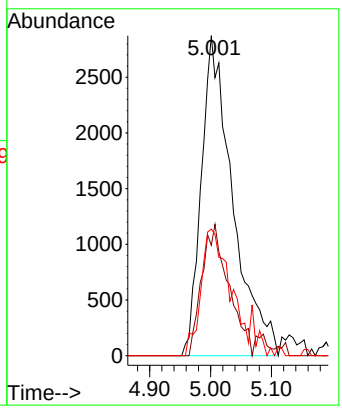
Tgt Ion: 42 Resp: 1030

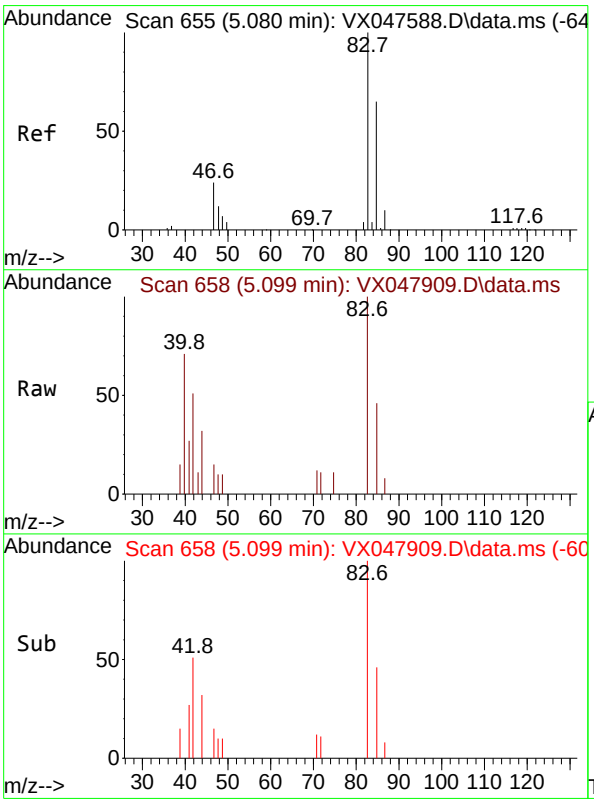
Ion	Ratio	Lower	Upper
42	100		
72	35.2	34.2	51.2
71	36.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

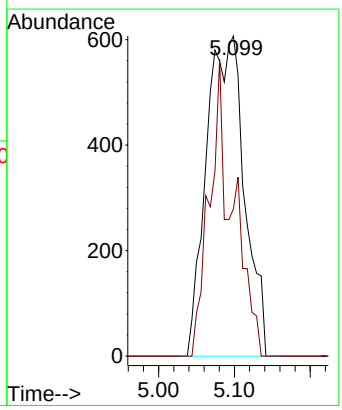


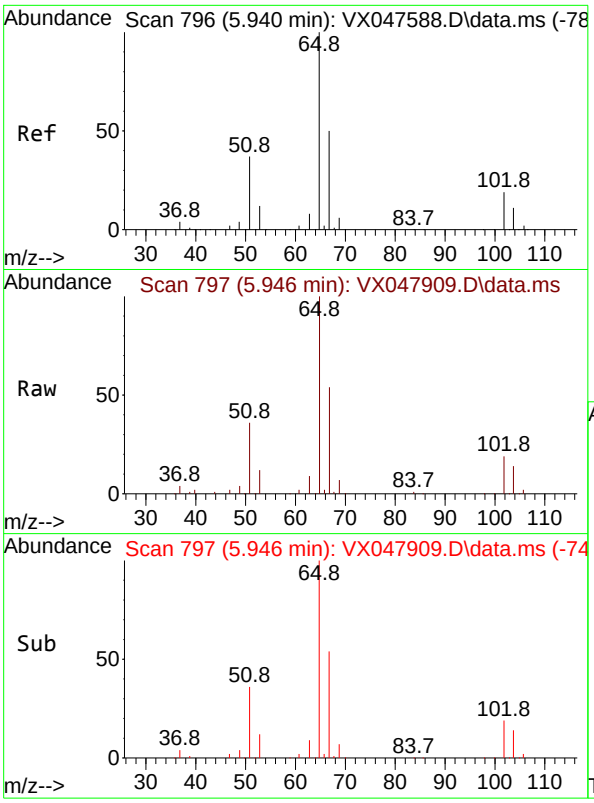


#30
Chloroform
Concen: 0.650 ug/l m
RT: 5.099 min Scan# 658
Delta R.T. 0.018 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 83 Resp: 2118

Ion	Ratio	Lower	Upper
83	100		
85	46.0	51.8	77.6#

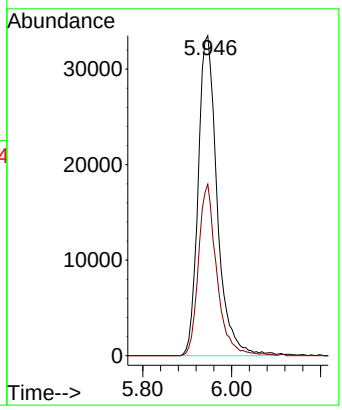




#33
1,2-Dichloroethane-d4
Concen: 49.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 65 Resp: 9991

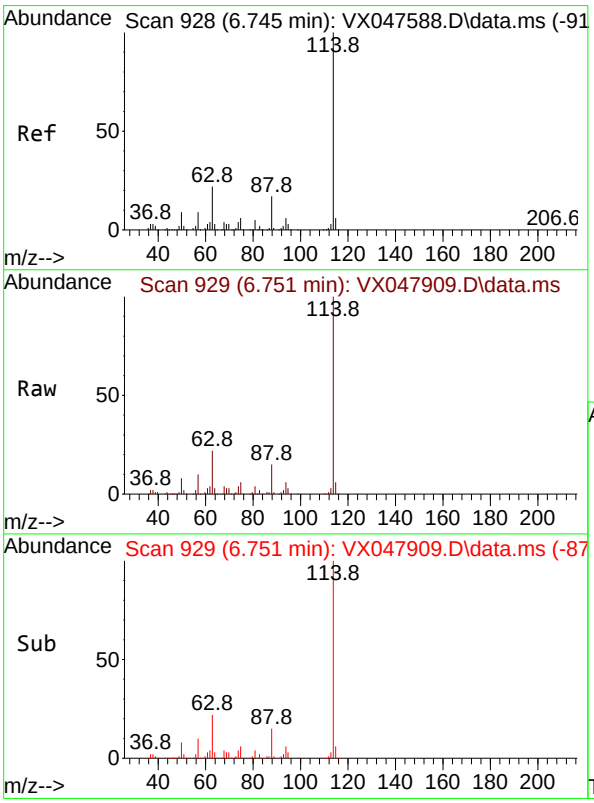
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

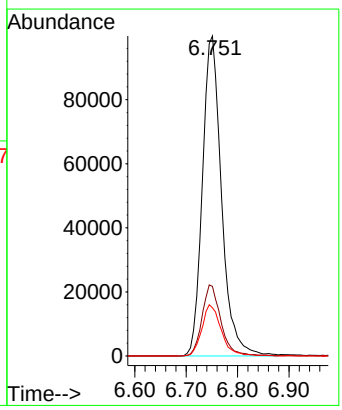
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

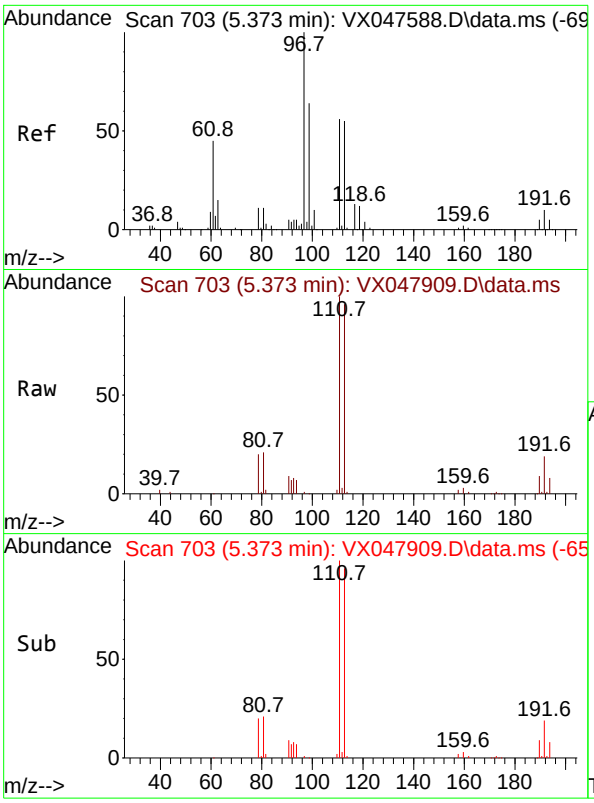


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:114 Resp: 258483

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	15.0	0.0	34.2

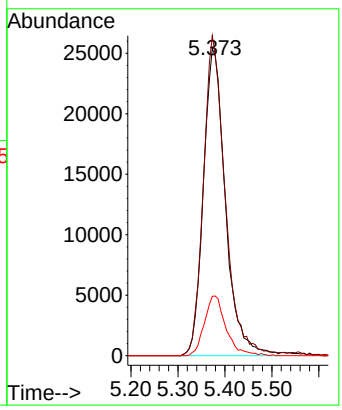




#35
Dibromofluoromethane
Concen: 47.824 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:113 Resp: 8290

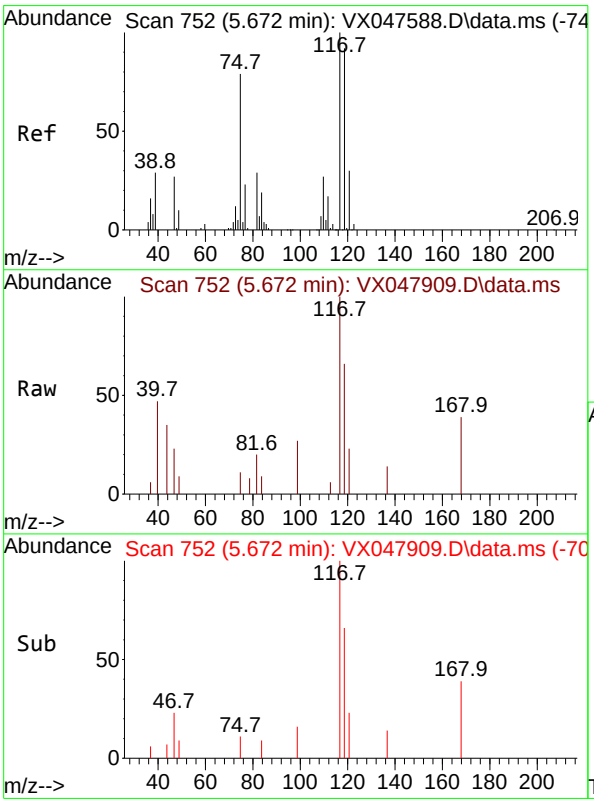
Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	19.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

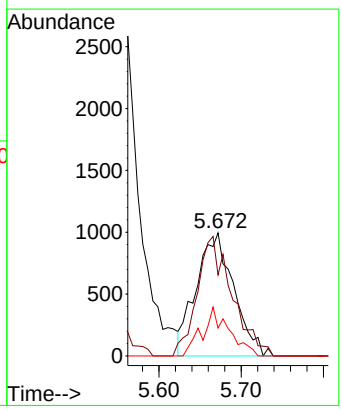
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

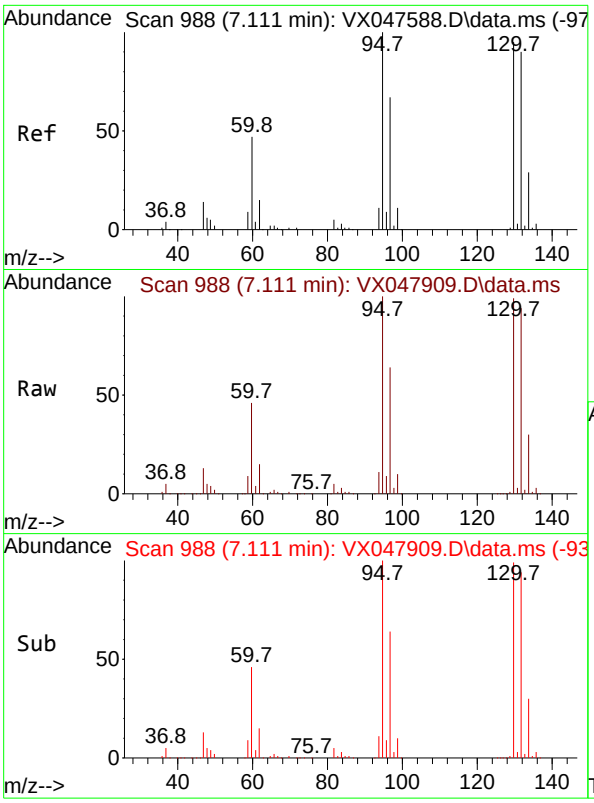


#38
Carbon Tetrachloride
Concen: 1.145 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:117 Resp: 3150

Ion	Ratio	Lower	Upper
117	100		
119	65.9	73.4	110.2#
121	22.6	23.8	35.6#





#44
Trichloroethene
Concen: 618.351 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:130 Resp: 115015

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	210.8

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
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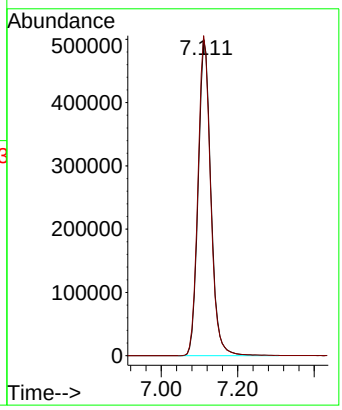
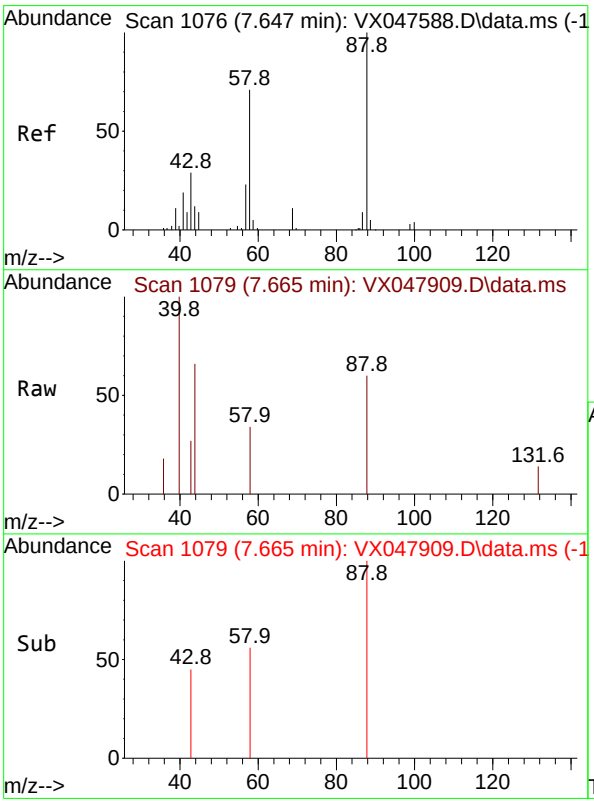
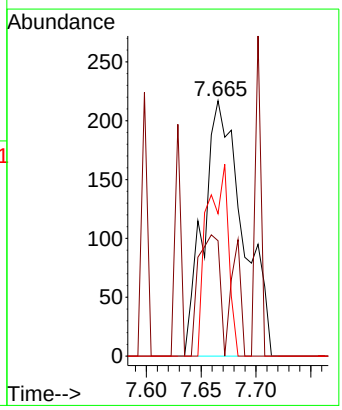


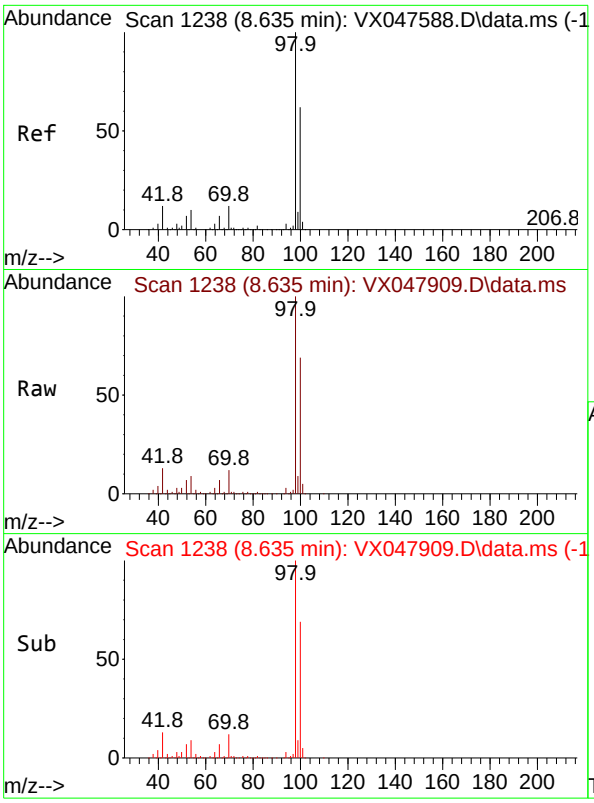


#49
1,4-Dioxane
Concen: 24.116 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 88 Resp: 540

Ion	Ratio	Lower	Upper
88	100		
43	25.6	30.2	45.2#
58	40.2	59.5	89.3#





#50
Toluene-d8
Concen: 46.862 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

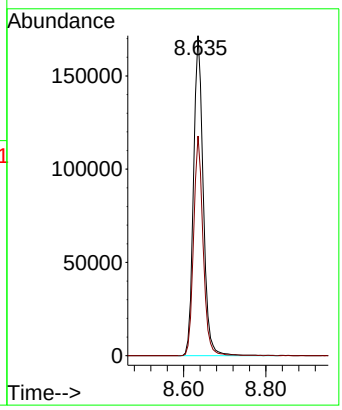
Tgt Ion: 98 Resp: 28109

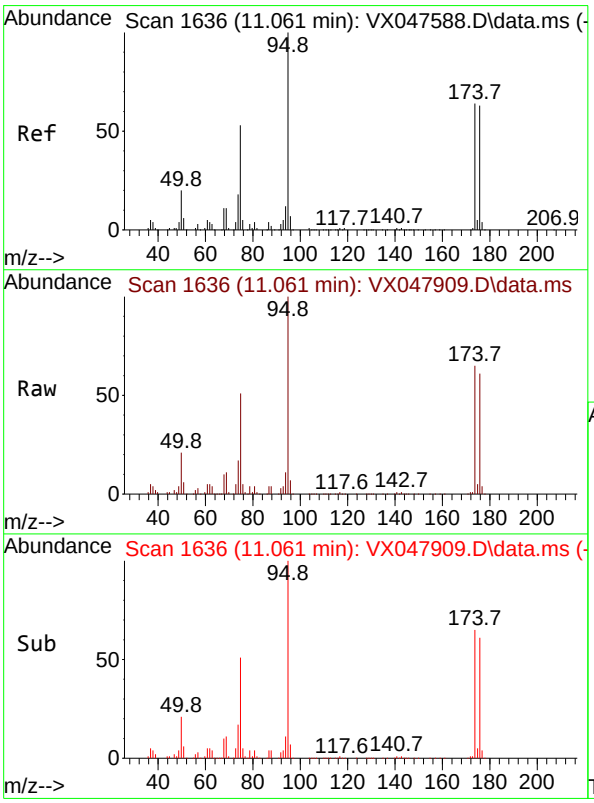
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

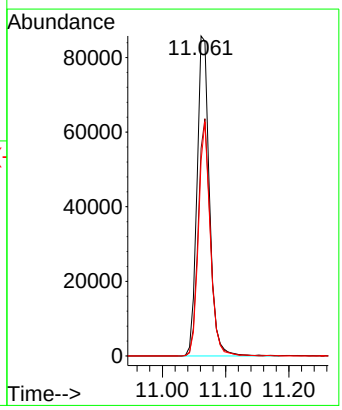


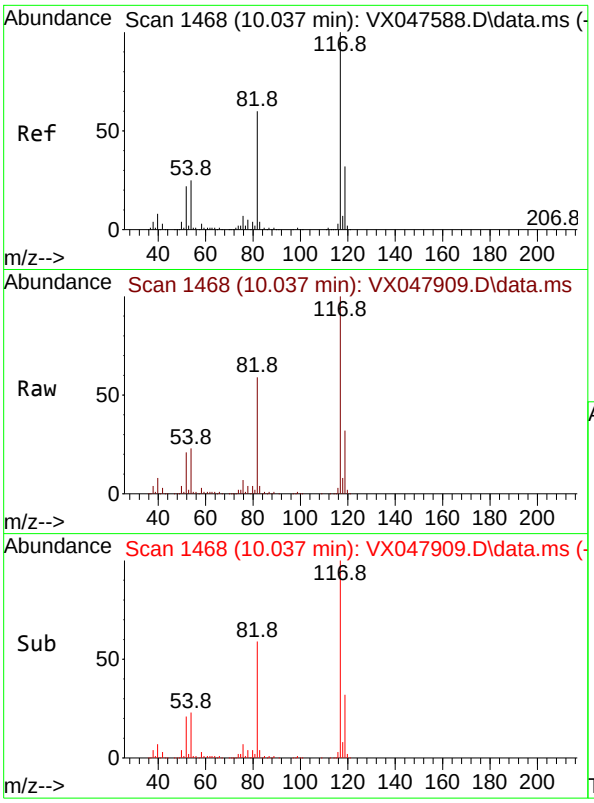


#62
4-Bromofluorobenzene
Concen: 51.436 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 95 Resp: 117094

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	69.4	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:117 Resp: 25480

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.8	71.6
119	32.2	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
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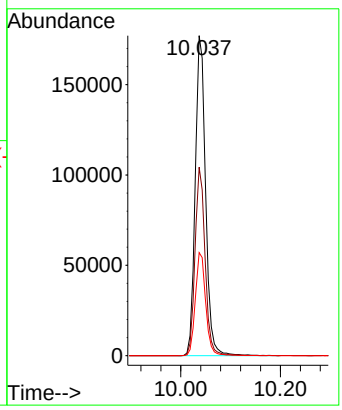
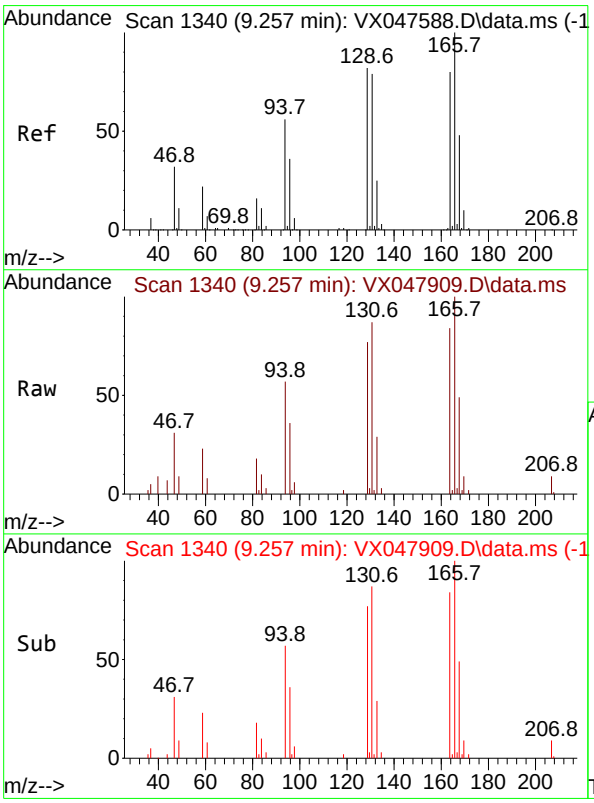
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

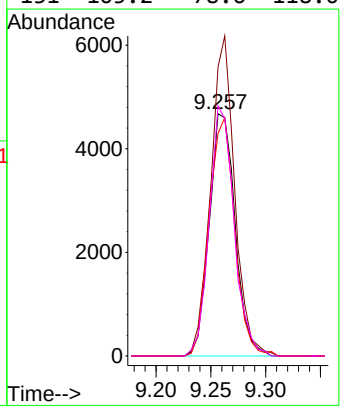


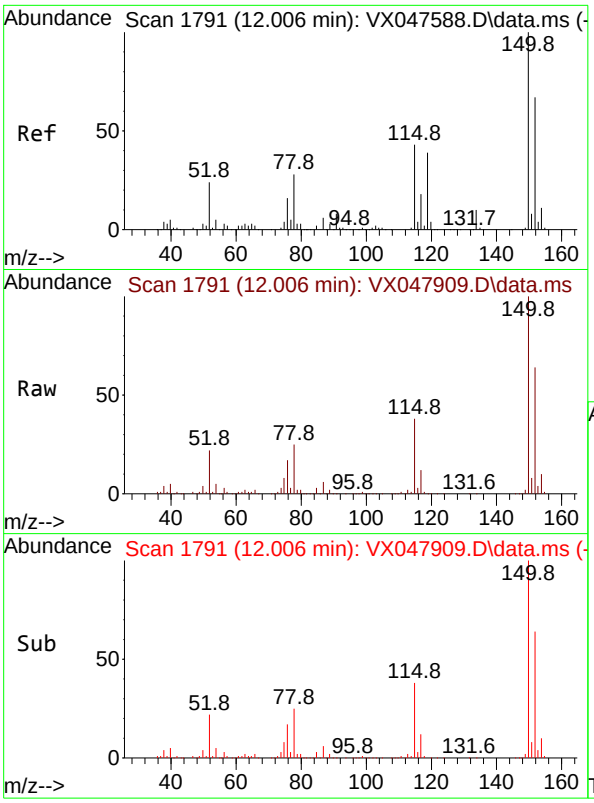


#64
Tetrachloroethene
Concen: 4.615 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:164 Resp: 7665

Ion	Ratio	Lower	Upper
164	100		
166	119.2	100.2	150.2
129	91.8	81.8	122.6
131	105.2	78.6	118.0

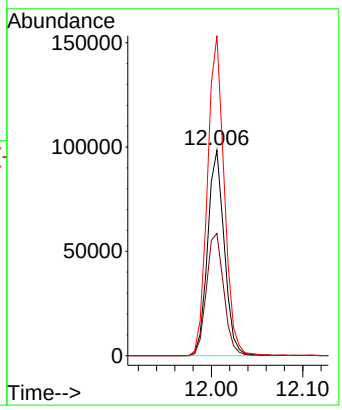




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:152 Resp: 12445

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	156.7	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Raw Data: **VX047931.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE137-20250922DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047931.D	10	10/01/25 12:01	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.20	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	2.60	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	14.4	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	4.70	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.30	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	14.1	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	620	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE137-20250922DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047931.D	10	10/01/25 12:01	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	1.70	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.60	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	8.90	25.0	50.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	2.30	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.20	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.30	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	2.40	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.20	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.50	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	1.90	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.20	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.60	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.751				
3114-55-4	Chlorobenzene-d5	249000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	120000	12.006				

Raw Data: **VX047931.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE137-20250922DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047931.D	10	10/01/25 12:01	VX100125

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

Sample Results: **VX047931.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047931.D
Acq On : 01 Oct 2025 12:01
Operator : JC/MD
Sample : Q3193-05DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Quant Time: Oct 03 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

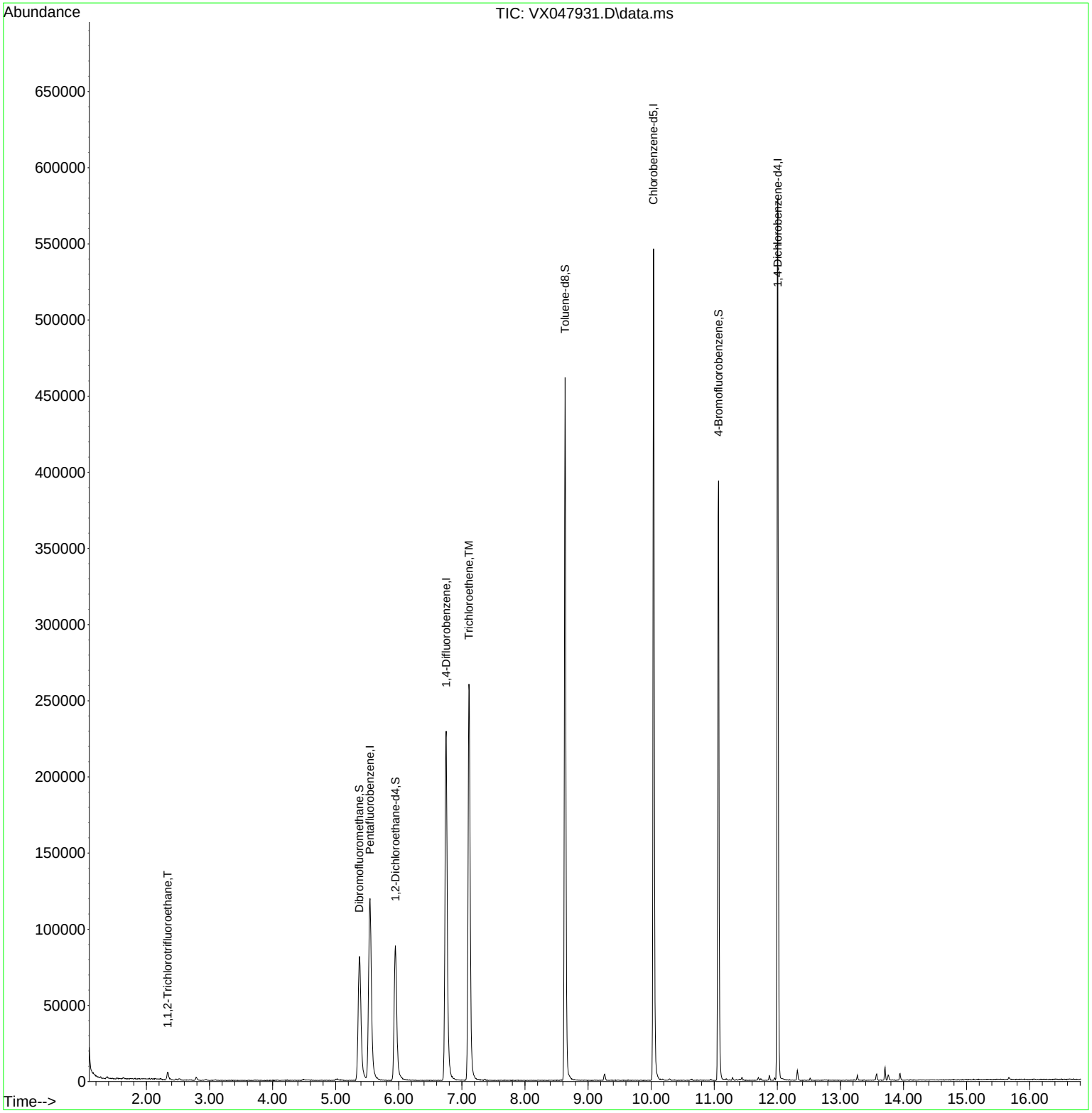
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	121237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	245128	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	249435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96452	49.981	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.960%			
35) Dibromofluoromethane	5.373	113	81070	49.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.620%			
50) Toluene-d8	8.635	98	278526	48.964	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.920%			
62) 4-Bromofluorobenzene	11.067	95	115493	53.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.000%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	1977	1.410	ug/l	93
44) Trichloroethene	7.111	130	109995	62.358	ug/l	98

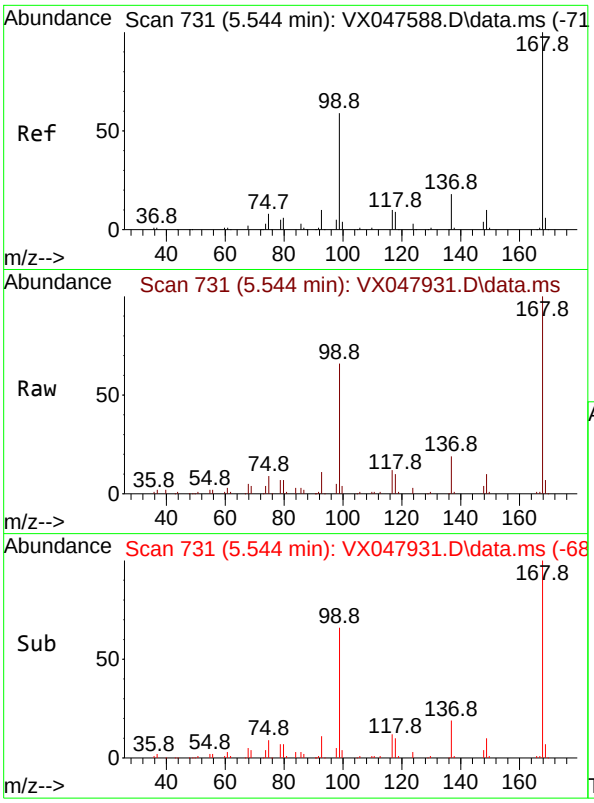
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047931.D
Acq On : 01 Oct 2025 12:01
Operator : JC/MD
Sample : Q3193-05DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Quant Time: Oct 03 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



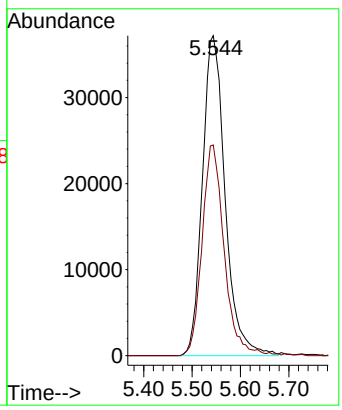


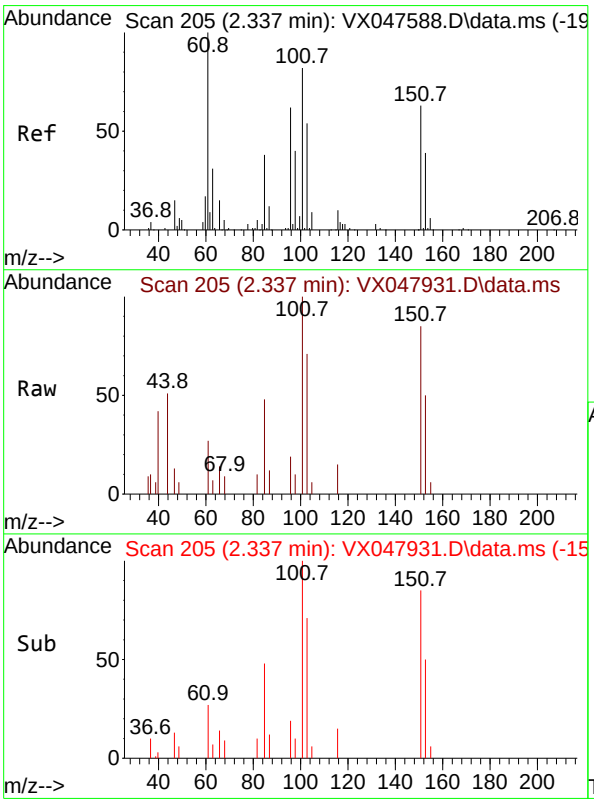
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Tgt Ion:168 Resp: 121237

Ion	Ratio	Lower	Upper
168	100		
99	65.9	48.8	73.2

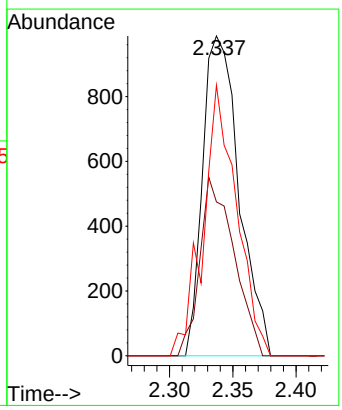


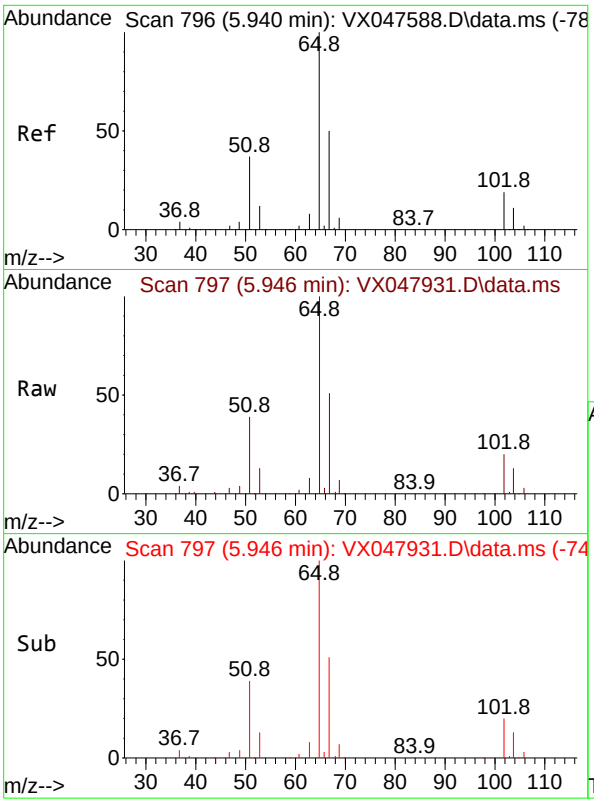


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.410 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Tgt Ion:101 Resp: 1977

Ion	Ratio	Lower	Upper
101	100		
85	52.1	35.5	53.3
151	77.6	59.4	89.0



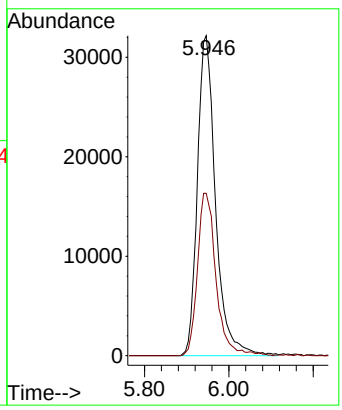


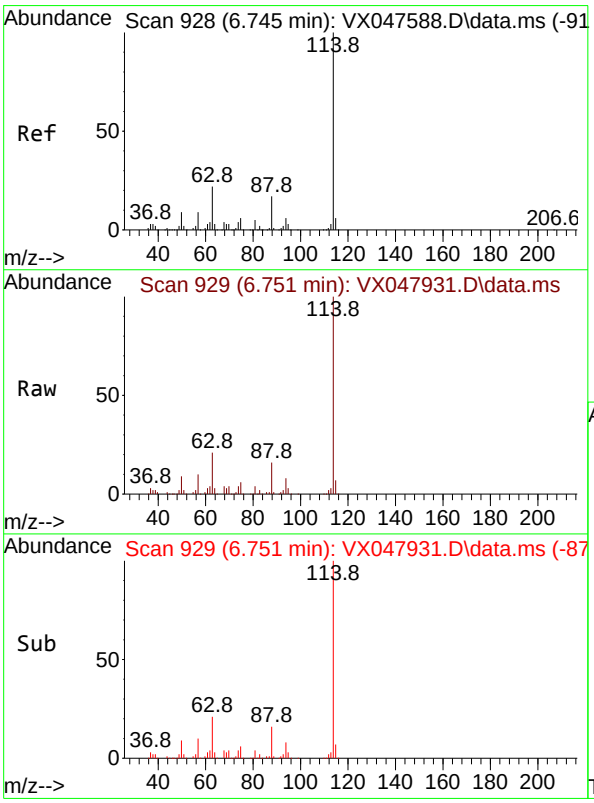
#33
1,2-Dichloroethane-d4
Concen: 49.981 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Tgt Ion: 65 Resp: 96452

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

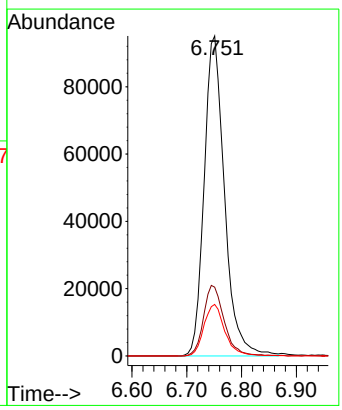


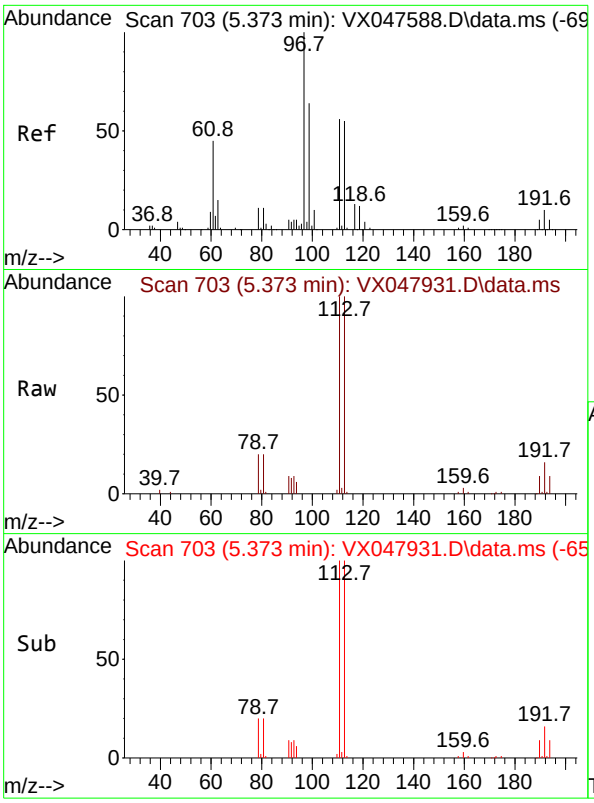


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Tgt Ion:114 Resp: 245128

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	16.1	0.0	34.2



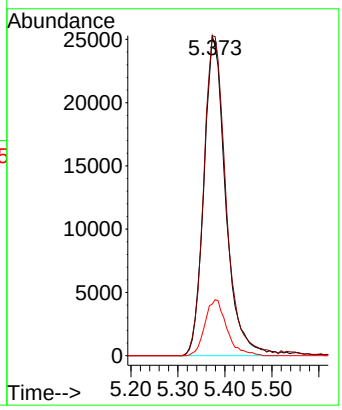


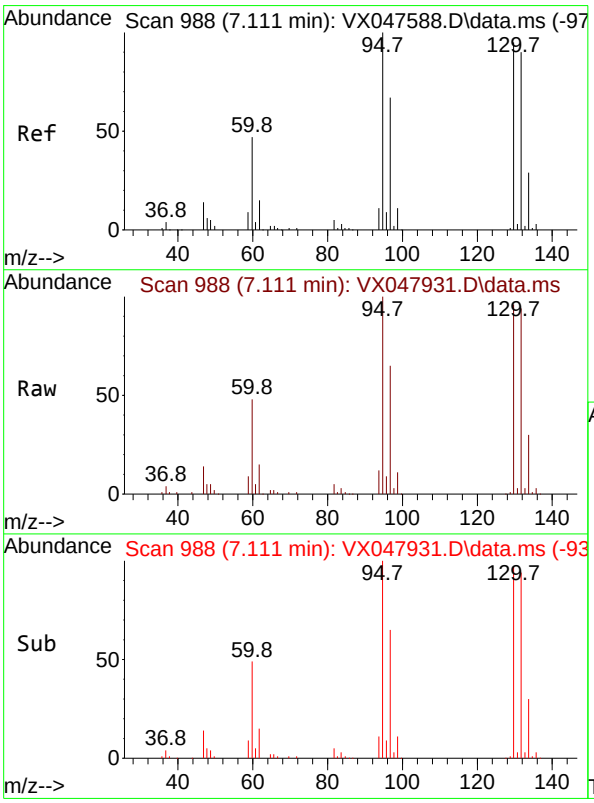
#35
Dibromofluoromethane
Concen: 49.314 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Tgt Ion:113 Resp: 81070

Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.9	121.3
192	17.6	14.2	21.4

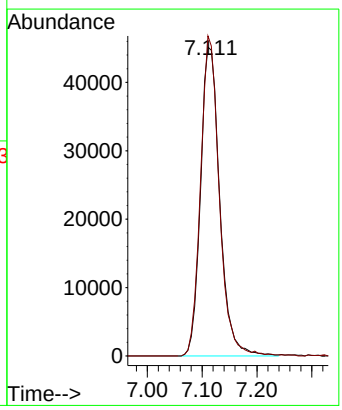


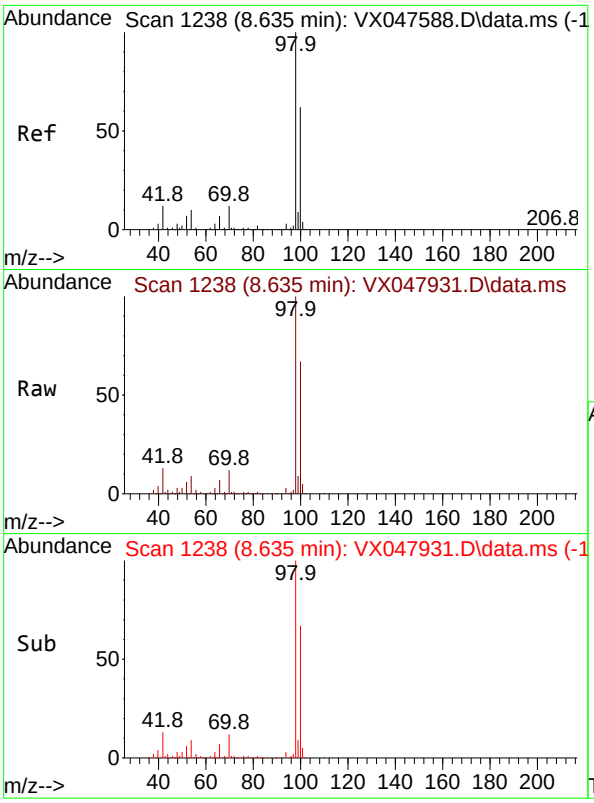


#44
Trichloroethene
Concen: 62.358 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Tgt Ion:130 Resp: 109995

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	210.8



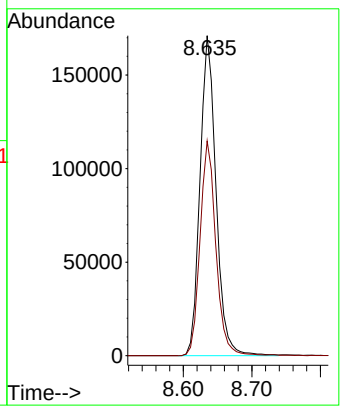


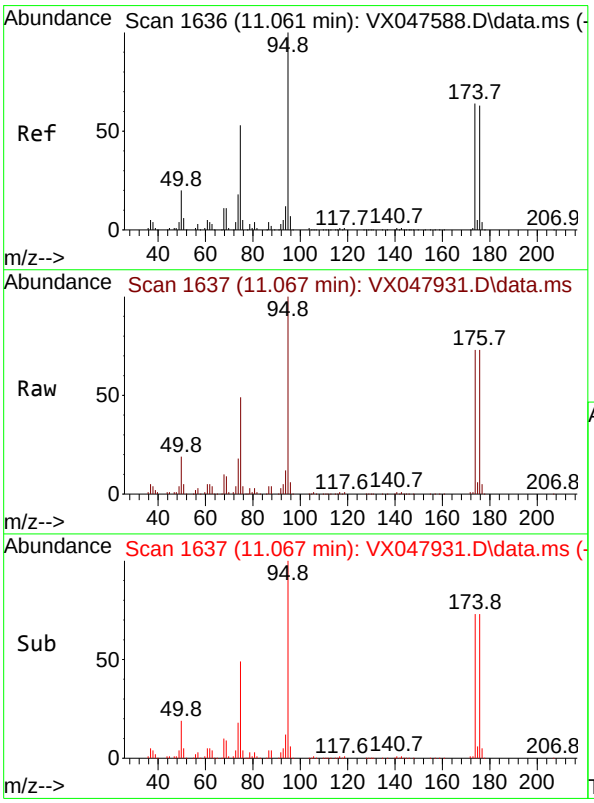
#50
Toluene-d8
Concen: 48.964 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Tgt Ion: 98 Resp: 278526

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

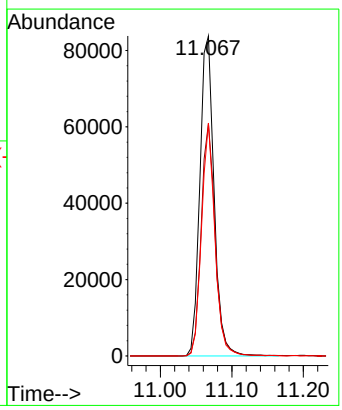


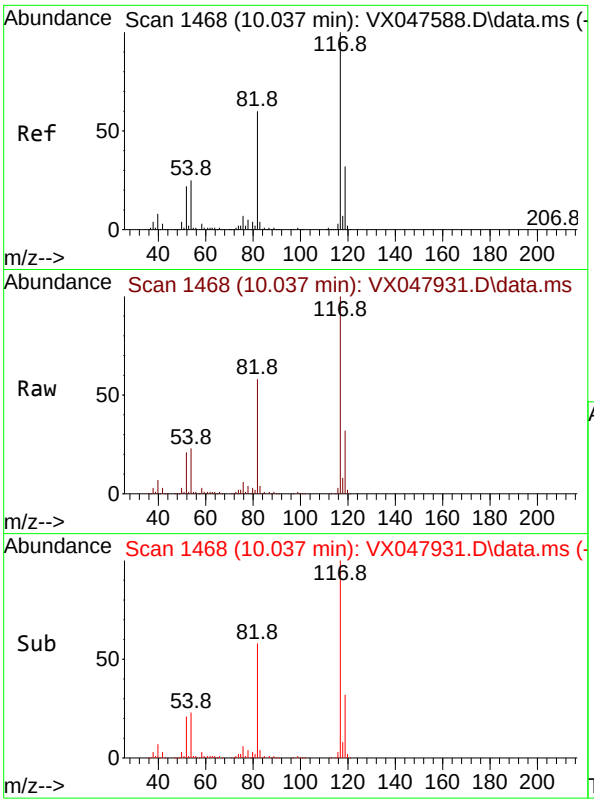


#62
4-Bromofluorobenzene
Concen: 53.497 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Tgt Ion: 95 Resp: 115493

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.6
176	68.7	0.0	138.4



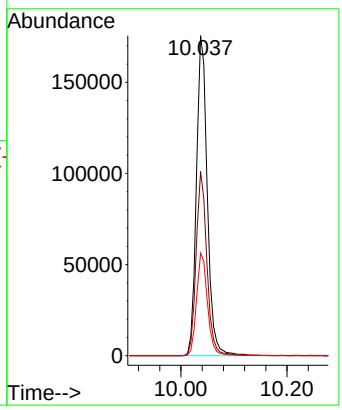


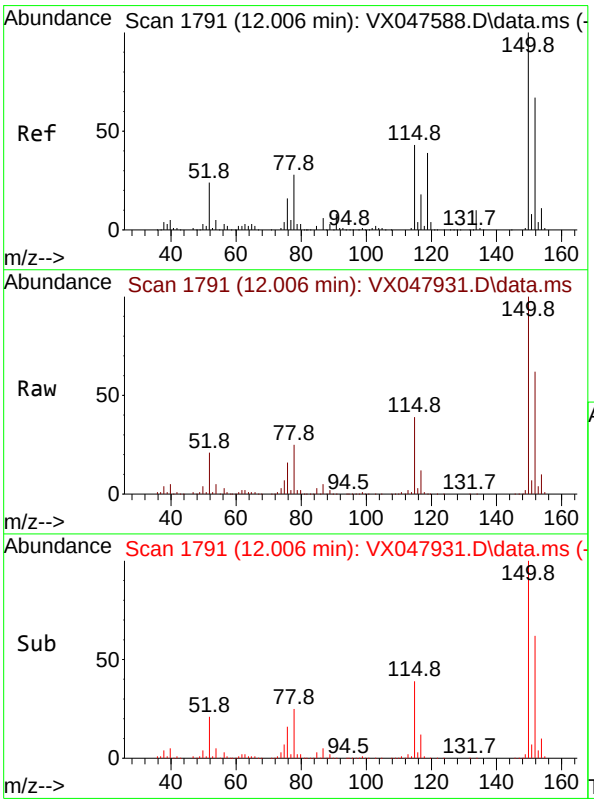
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922DL

Tgt Ion:117 Resp: 249435

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	32.1	25.2	37.8

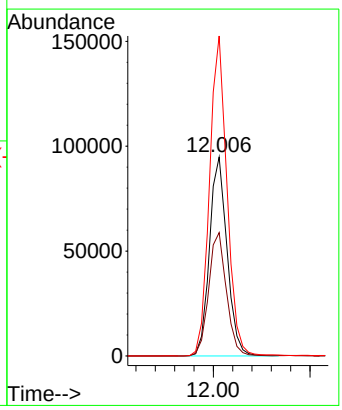




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047931.D
Acq: 01 Oct 2025 12:01

Tgt Ion:152 Resp: 119740

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	159.5	0.0	352.0



Raw Data: **VX047910.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047910.D	1	09/30/25 14:58	VX093025

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	7.70		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.81	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.30	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	0.89	J	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	0.25	J	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	340	E	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

Raw Data: **VX047910.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047910.D	1	09/30/25 14:58	VX093025

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	5.20		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	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.538				
540-36-3	1,4-Difluorobenzene	251000	6.745				
3114-55-4	Chlorobenzene-d5	254000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				

Raw Data: **VX047910.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047910.D	1	09/30/25 14:58	VX093025

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\VX093025\
Data File : VX047910.D
Acq On : 30 Sep 2025 14:58
Operator : JC/MD
Sample : Q3193-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Quant Time: Oct 01 01:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

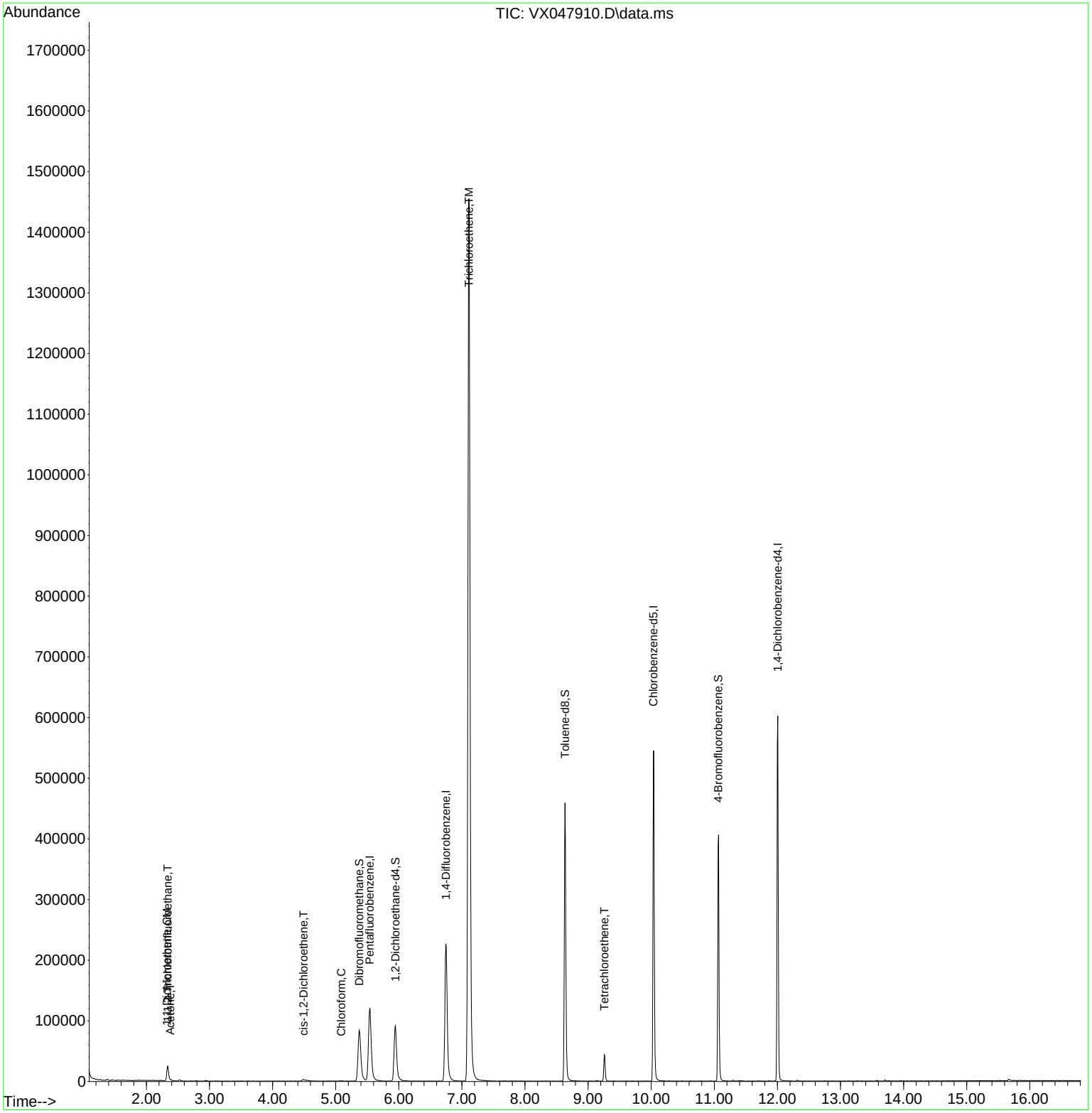
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	119753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	250577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	253514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99109	51.994	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.980%			
35) Dibromofluoromethane	5.373	113	82661	49.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	8.635	98	280068	48.164	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.320%			
62) 4-Bromofluorobenzene	11.061	95	118987	53.917	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.840%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	10662	7.698	ug/l	98
12) 1,1-Dichloroethene	2.325	96	1148	0.807	ug/l	96
16) Acetone	2.380	43	1867	2.253	ug/l #	79
27) cis-1,2-Dichloroethene	4.489	96	1671	0.891	ug/l	98
30) Chloroform	5.087	83	760	0.249	ug/l	86
44) Trichloroethene	7.111	130	611255	338.992	ug/l	95
64) Tetrachloroethene	9.256	164	8627	5.220	ug/l	95

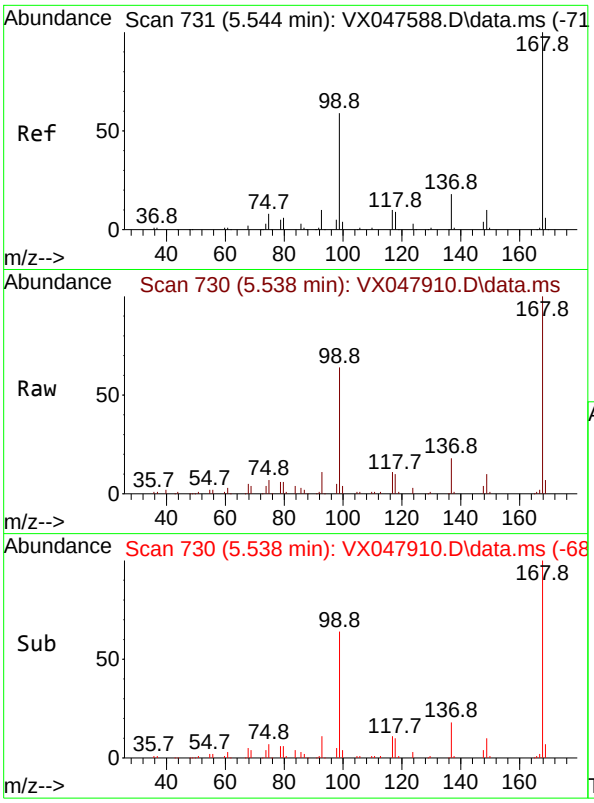
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047910.D
Acq On : 30 Sep 2025 14:58
Operator : JC/MD
Sample : Q3193-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Quant Time: Oct 01 01:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



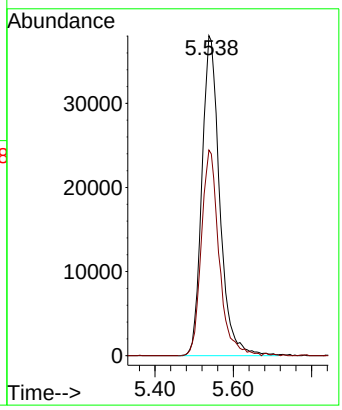


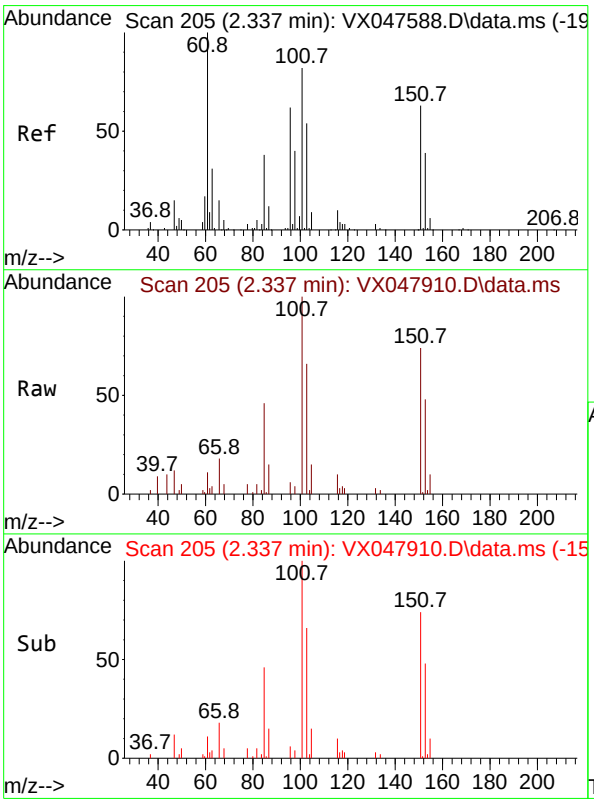
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion:168 Resp: 119753

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.8	73.2

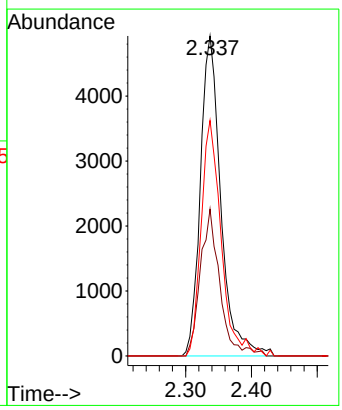


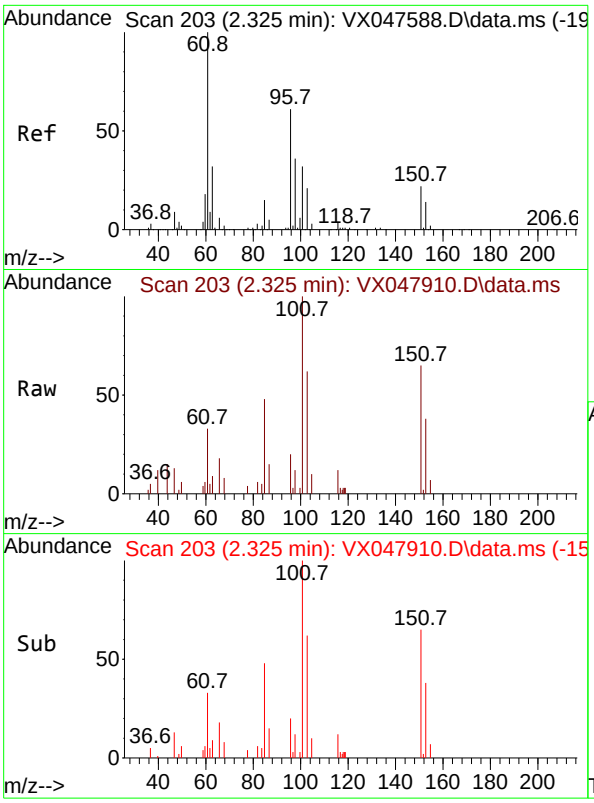


#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.698 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion:101 Resp: 10662

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	71.8	59.4	89.0



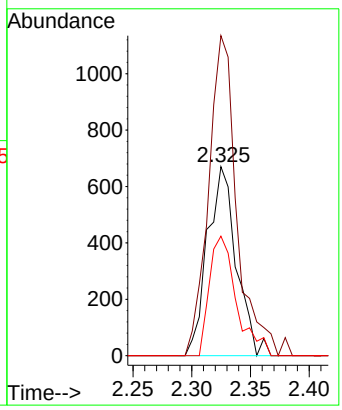


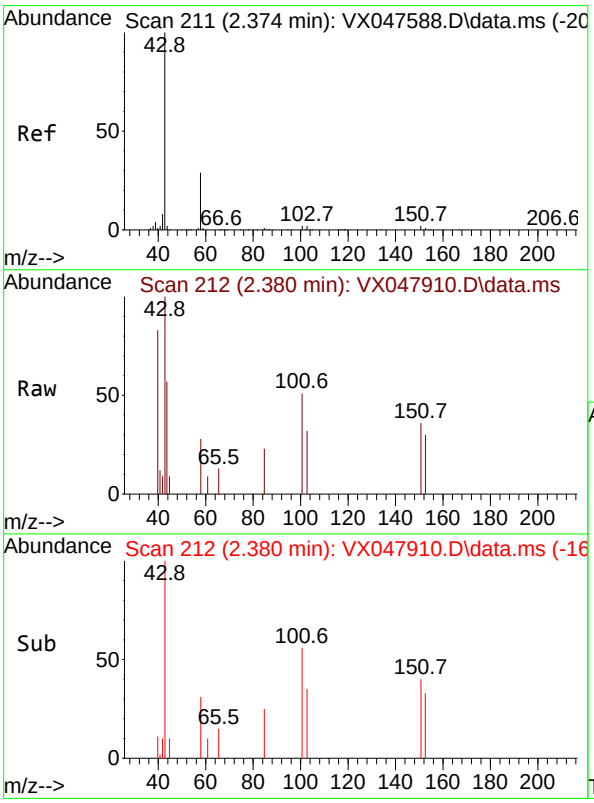
#12
1,1-Dichloroethene
Concen: 0.807 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion: 96 Resp: 1148

Ion	Ratio	Lower	Upper
96	100		
61	169.4	131.0	196.6
98	63.3	47.7	71.5

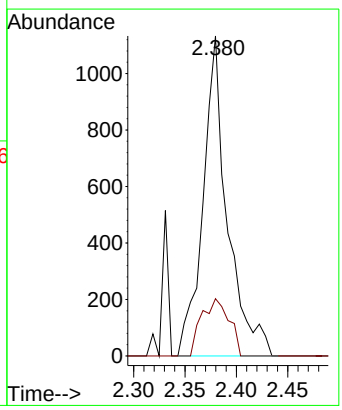


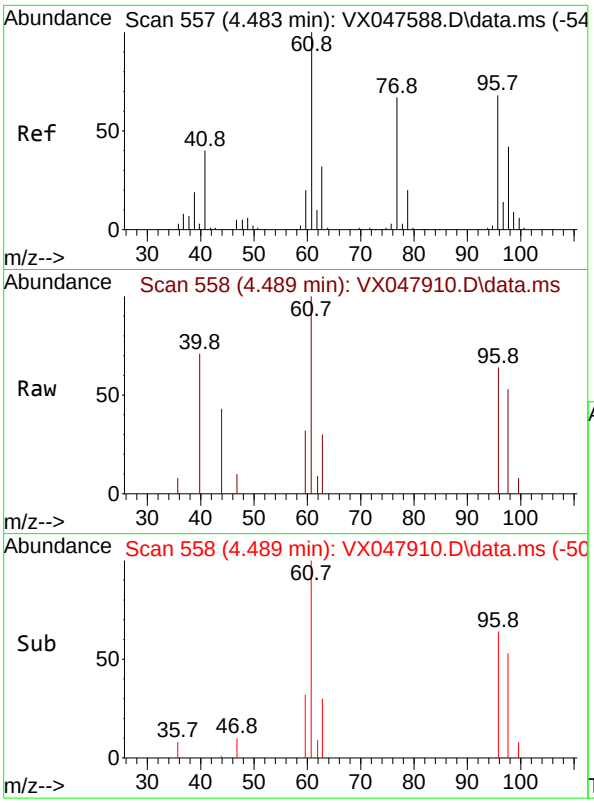


#16
Acetone
Concen: 2.253 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion: 43 Resp: 1867

Ion	Ratio	Lower	Upper
43	100		
58	17.9	23.4	35.0#



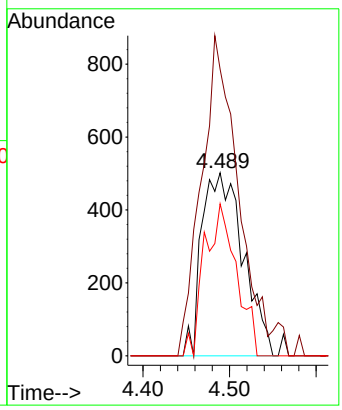


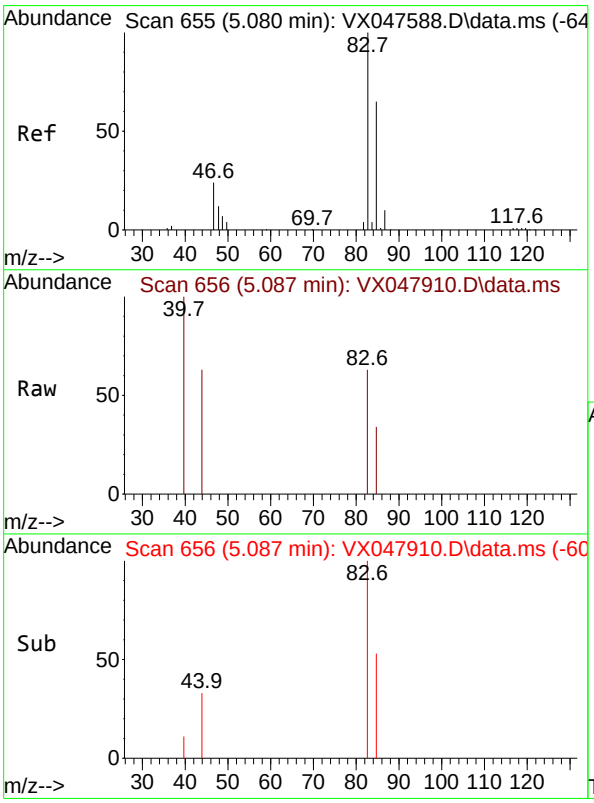
#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion: 96 Resp: 1671

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	63.6	0.0	127.8

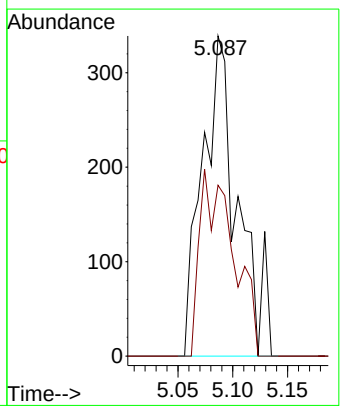


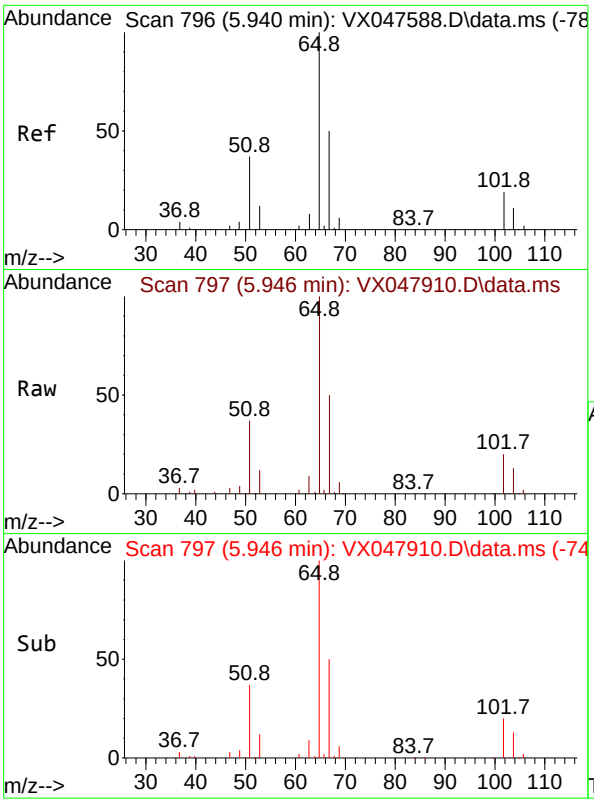


#30
Chloroform
Concen: 0.249 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion: 83 Resp: 760

Ion	Ratio	Lower	Upper
83	100		
85	53.4	51.8	77.6



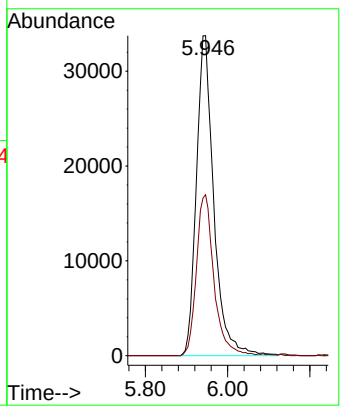


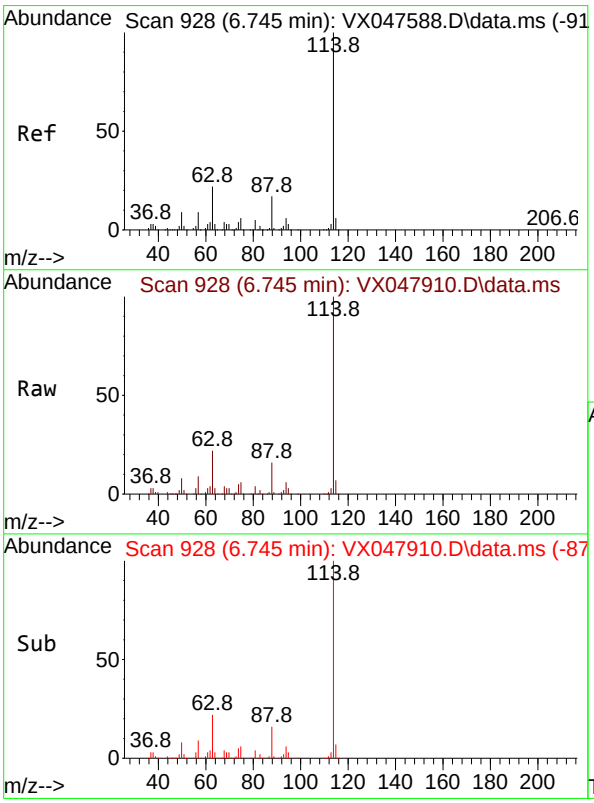
#33
1,2-Dichloroethane-d4
Concen: 51.994 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion: 65 Resp: 99109

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0

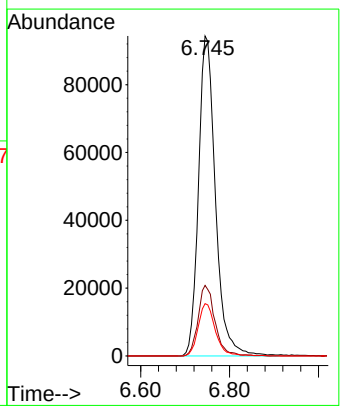


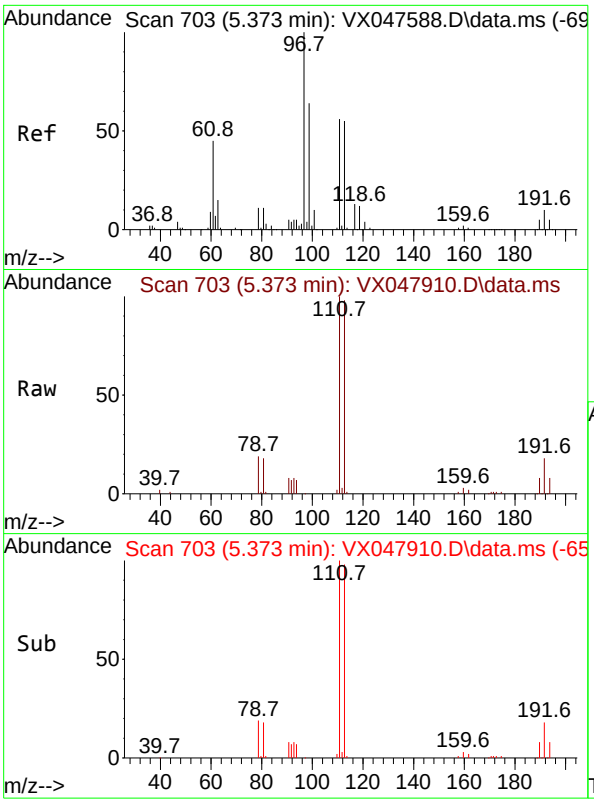


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion:114 Resp: 250577

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.3	0.0	34.2



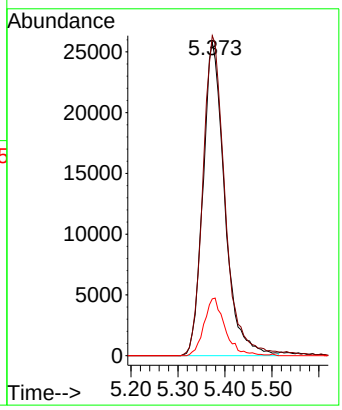


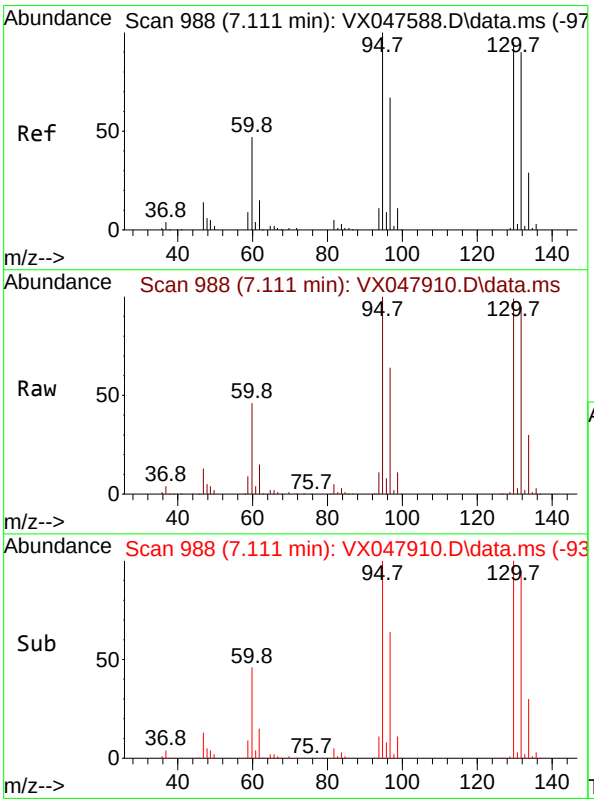
#35
Dibromofluoromethane
Concen: 49.188 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion:113 Resp: 82661

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.9	121.3
192	17.8	14.2	21.4

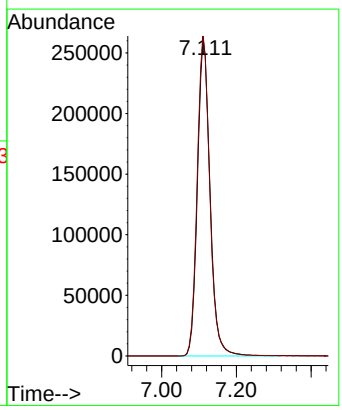


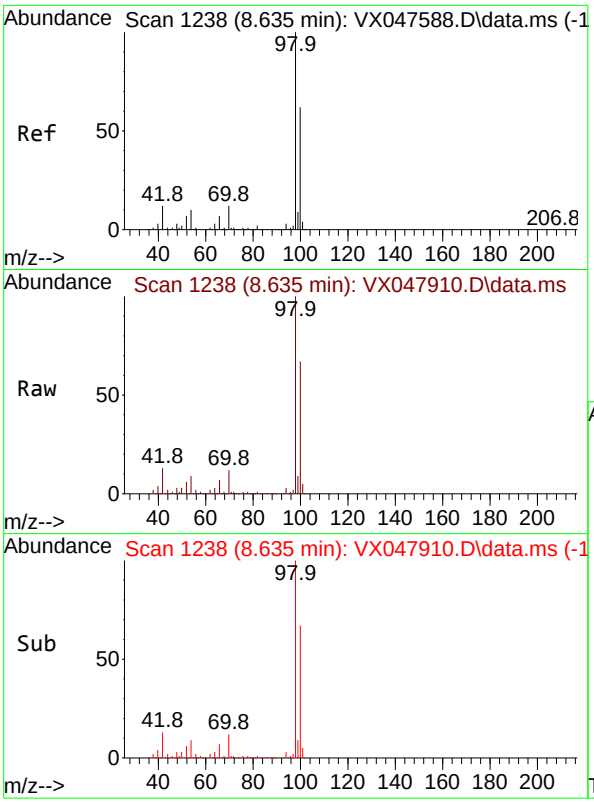


#44
Trichloroethene
Concen: 338.992 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion:130 Resp: 611255

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	210.8



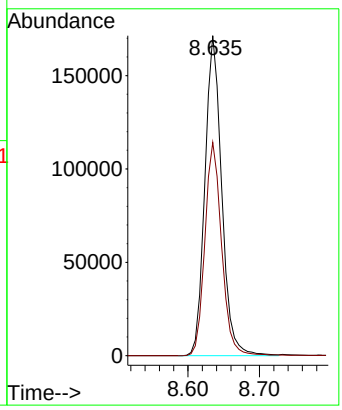


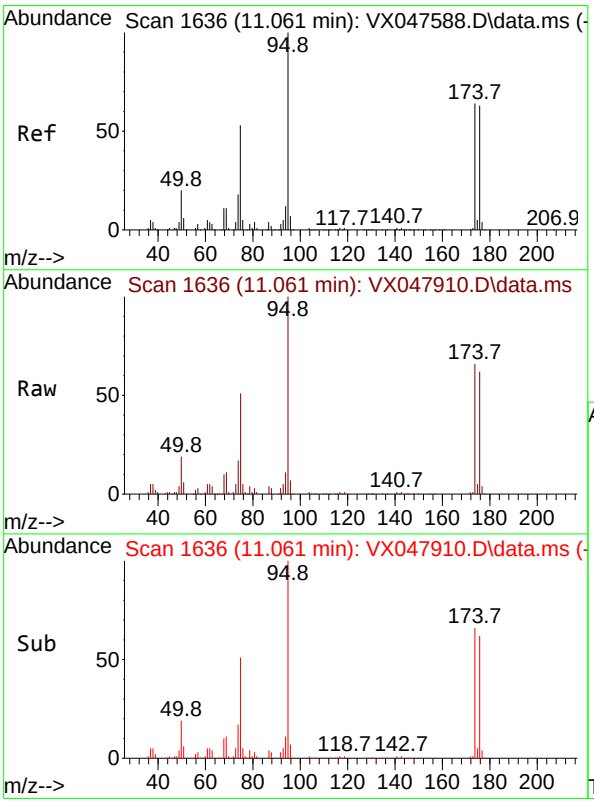
#50
Toluene-d8
Concen: 48.164 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion: 98 Resp: 280068

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

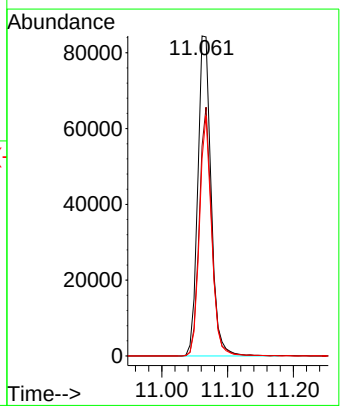


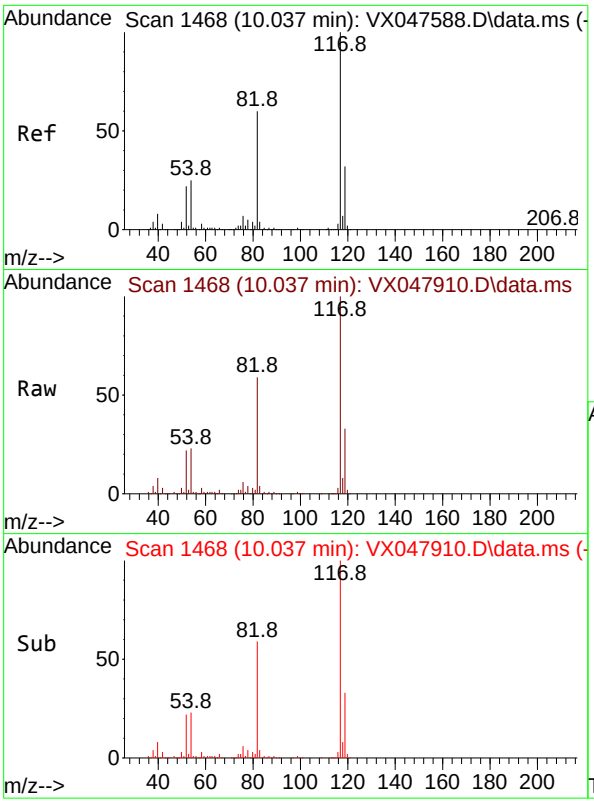


#62
4-Bromofluorobenzene
Concen: 53.917 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion: 95 Resp: 118987

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.6
176	68.7	0.0	138.4



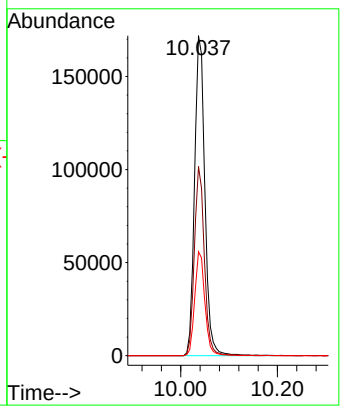


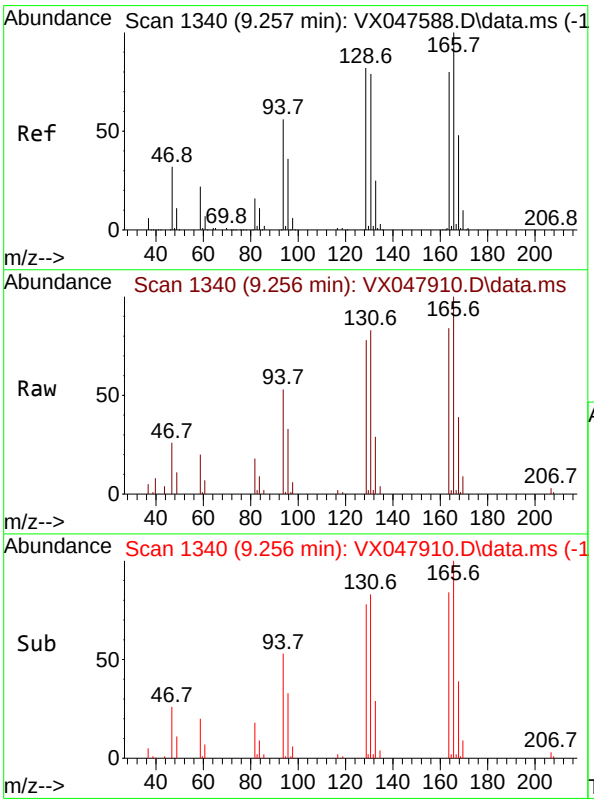
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion:117 Resp: 253514

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	32.5	25.2	37.8

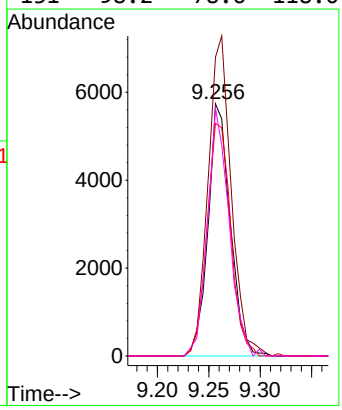


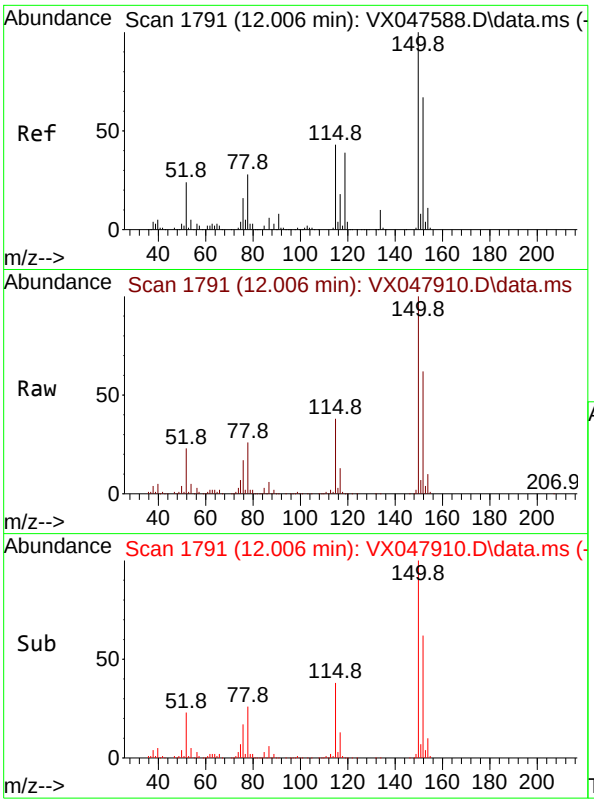


#64
Tetrachloroethene
Concen: 5.220 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Tgt Ion:164 Resp: 8627

Ion	Ratio	Lower	Upper
164	100		
166	118.4	100.2	150.2
129	92.2	81.8	122.6
131	98.2	78.6	118.0



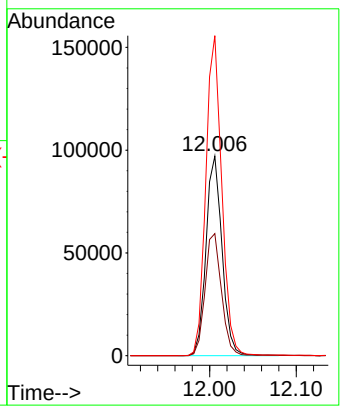


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047910.D
Acq: 30 Sep 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922

Tgt Ion:152 Resp: 125109

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.9	134.5
150	159.0	0.0	352.0



Raw Data: **VX047929.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-06DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047929.D	5	10/01/25 11:20	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.50	UD	1.10	2.50	5.00	ug/L
74-87-3	Chloromethane	2.50	UD	1.60	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.30	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	7.20	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.40	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.20	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.60	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.10	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
79-20-9	Methyl Acetate	3.80	UD	1.40	3.80	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.40	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.20	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
110-82-7	Cyclohexane	12.5	UD	7.30	12.5	25.0	ug/L
78-93-3	2-Butanone	12.5	UD	4.90	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	0.95	3.80	5.00	ug/L
74-97-5	Bromochloromethane	2.50	UD	1.10	2.50	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	1.00	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.80	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.75	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
79-01-6	Trichloroethene	70.1	D	0.47	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	1.00	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.10	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.40	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.70	2.50	5.00	ug/L

Raw Data: **VX047929.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-06DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047929.D	5	10/01/25 11:20	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.50	UD	0.85	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.80	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	4.50	12.5	25.0	ug/L
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
106-93-4	1,2-Dibromoethane	2.50	UD	0.75	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.20	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.60	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.65	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.20	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.60	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.75	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	0.95	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.60	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.30	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.80	2.50	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	UD	2.70	3.80	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.50	UD	1.00	2.50	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.80	UD	1.00	3.80	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	250000	6.745				
3114-55-4	Chlorobenzene-d5	255000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	121000	12.006				

Raw Data: **VX047929.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW4-20250922DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-06DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047929.D	5	10/01/25 11:20	VX100125

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\VX100125\
Data File : VX047929.D
Acq On : 01 Oct 2025 11:20
Operator : JC/MD
Sample : Q3193-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Quant Time: Oct 03 01:17:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

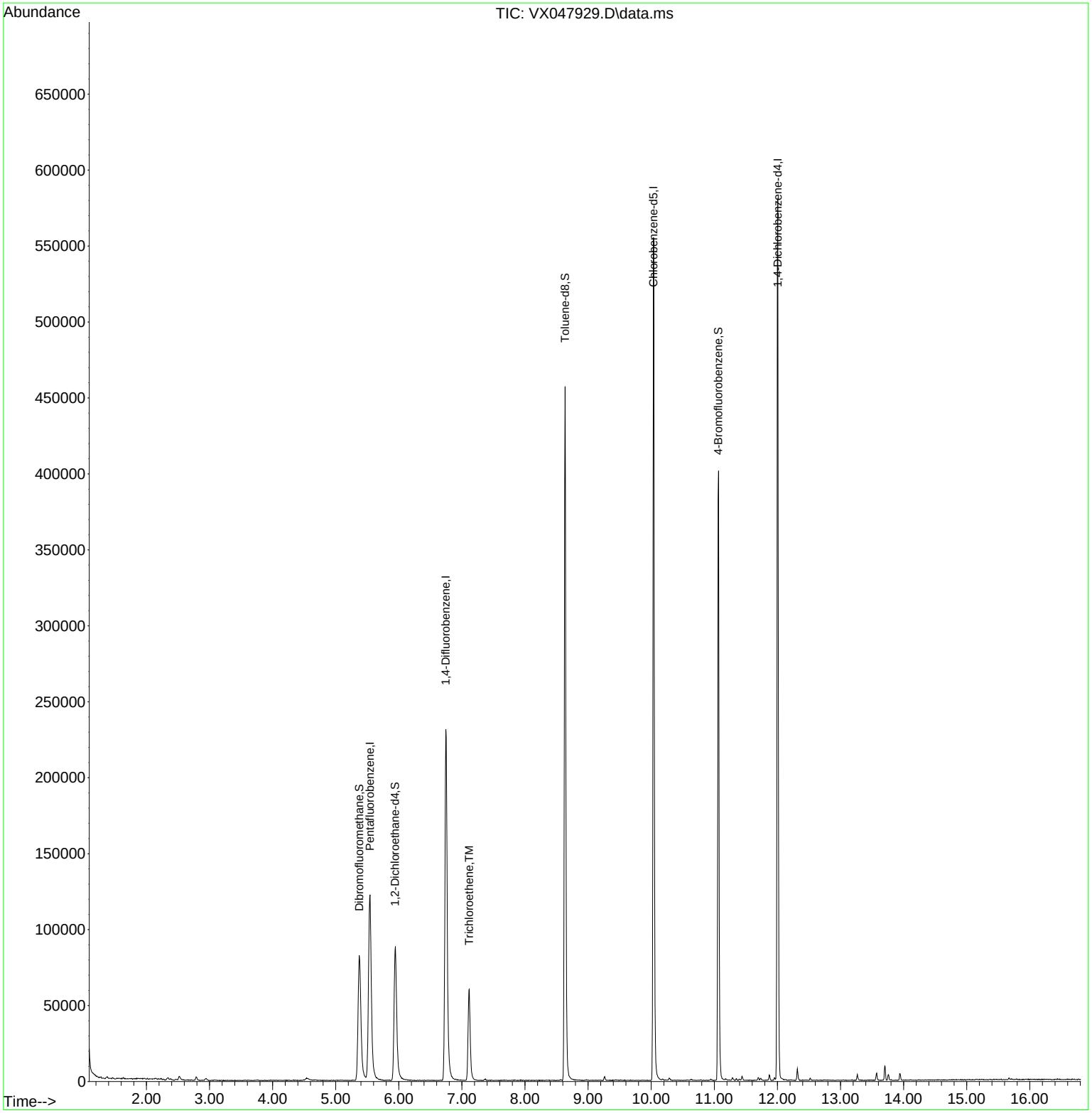
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	124052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	250181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	254599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96884	49.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.140%			
35) Dibromofluoromethane	5.373	113	81226	48.411	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.820%			
50) Toluene-d8	8.635	98	281463	48.480	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.960%			
62) 4-Bromofluorobenzene	11.061	95	116365	52.812	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.620%			
Target Compounds						Qvalue
44) Trichloroethene	7.117	130	25236	14.018	ug/l	99

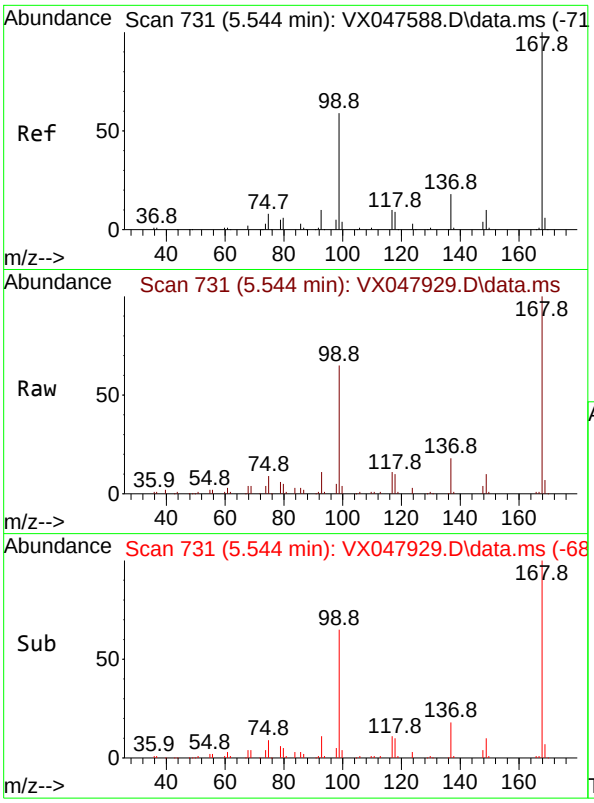
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047929.D
Acq On : 01 Oct 2025 11:20
Operator : JC/MD
Sample : Q3193-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Quant Time: Oct 03 01:17:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



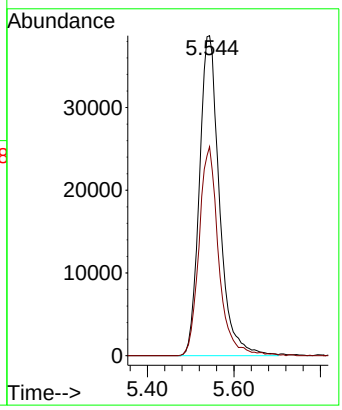


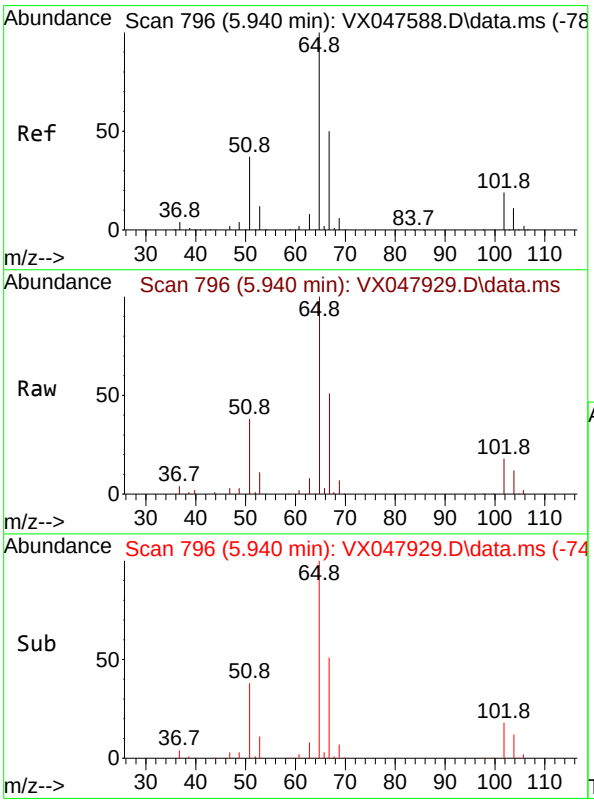
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Tgt Ion:168 Resp: 124052

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.8	73.2

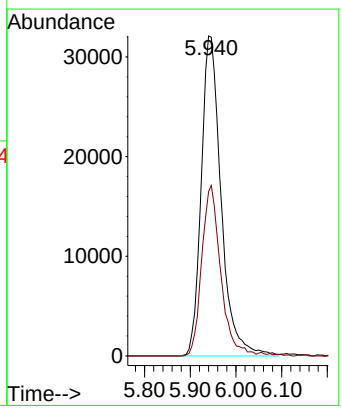


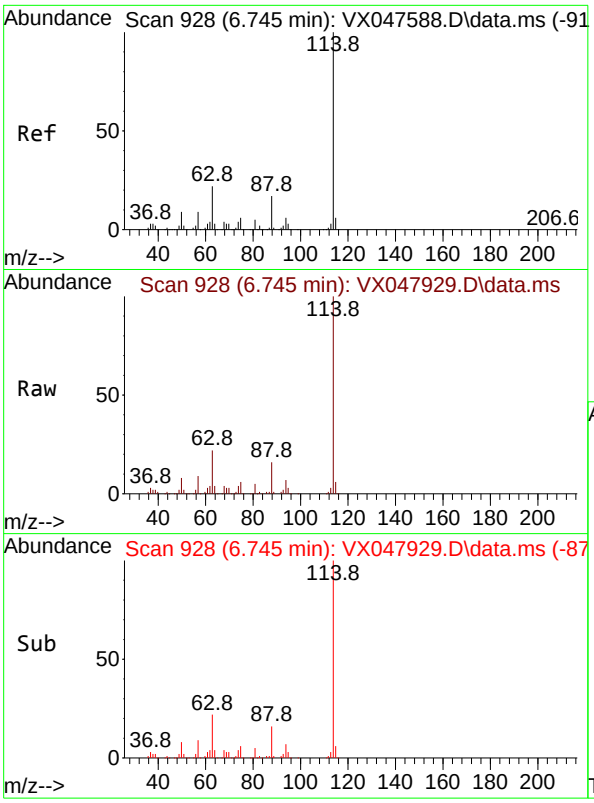


#33
1,2-Dichloroethane-d4
Concen: 49.065 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Tgt Ion: 65 Resp: 96884

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0



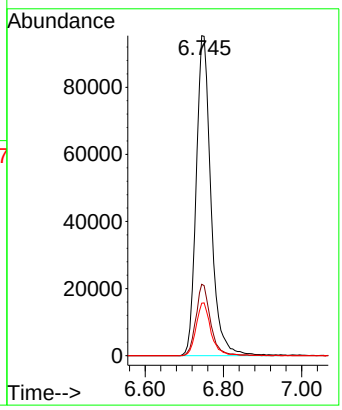


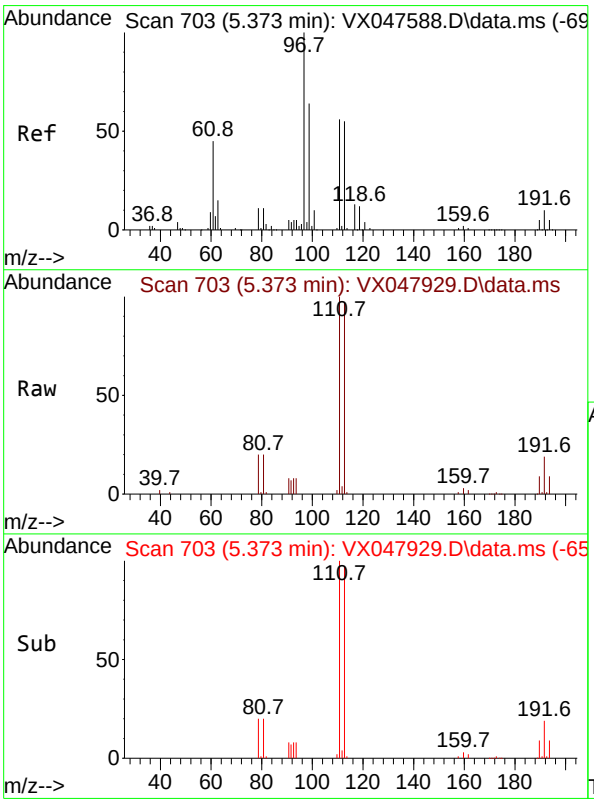
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Tgt Ion:114 Resp: 250181

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.4	0.0	34.2

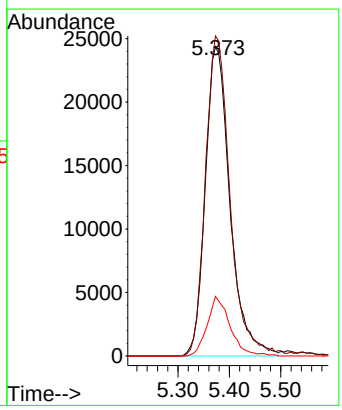


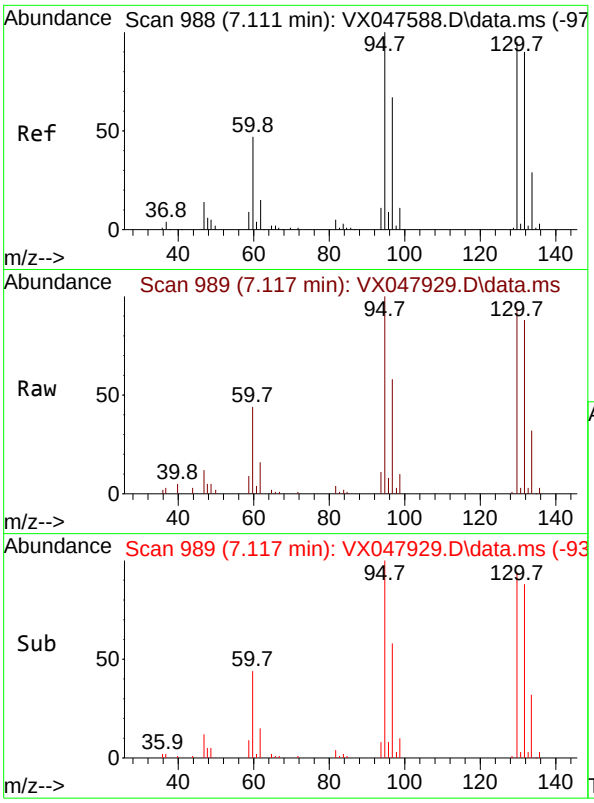


#35
Dibromofluoromethane
Concen: 48.411 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Tgt Ion:113 Resp: 81226

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	17.9	14.2	21.4



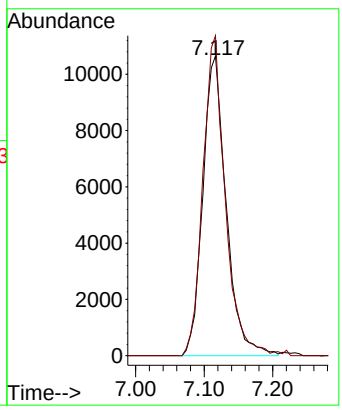


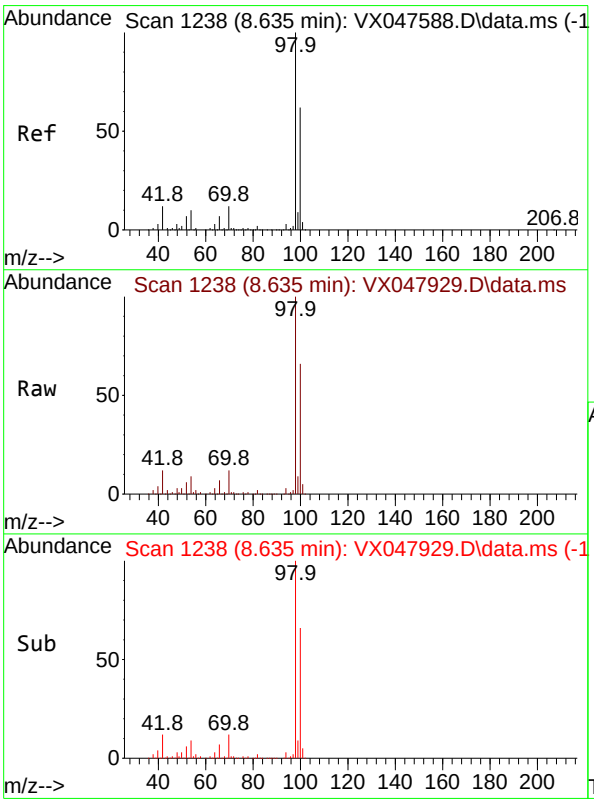
#44
Trichloroethene
Concen: 14.018 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Tgt Ion:130 Resp: 25236

Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	210.8

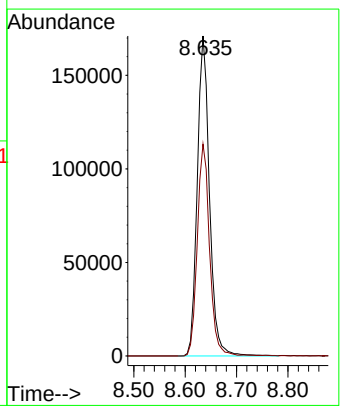


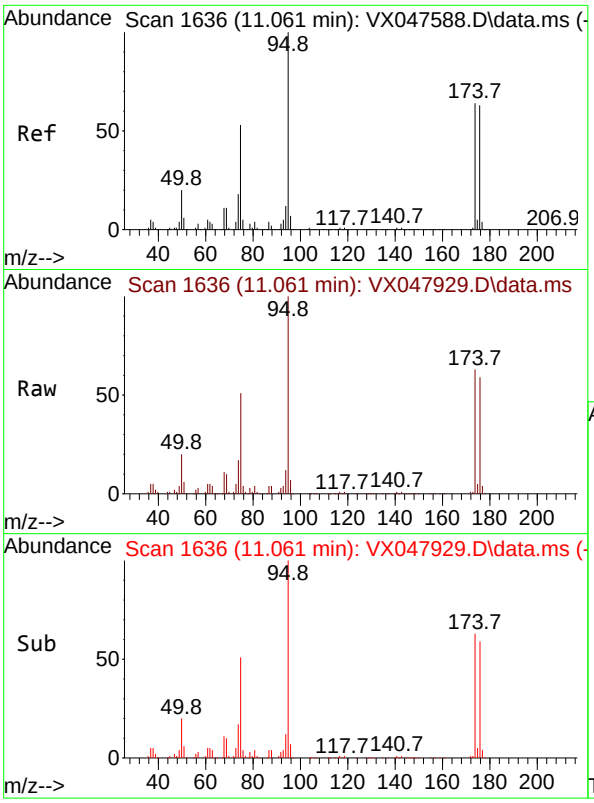


#50
Toluene-d8
Concen: 48.480 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Tgt Ion: 98 Resp: 281463

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



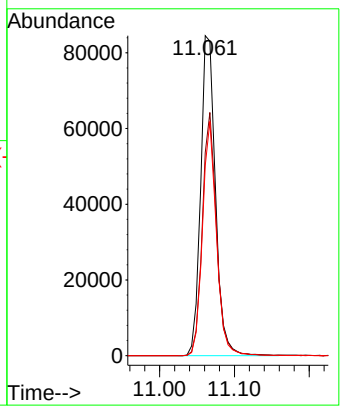


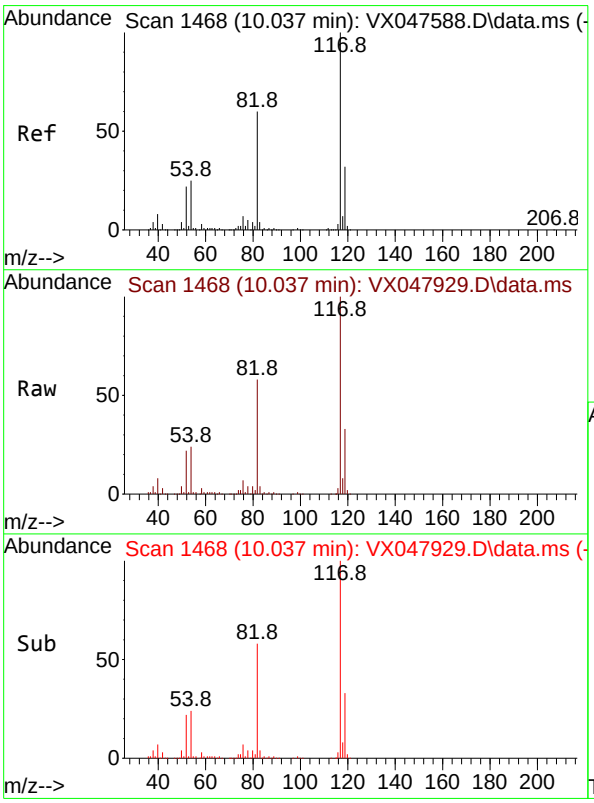
#62
4-Bromofluorobenzene
Concen: 52.812 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Tgt Ion: 95 Resp: 116365

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	141.6
176	69.2	0.0	138.4

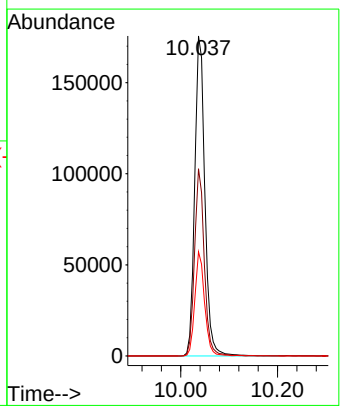


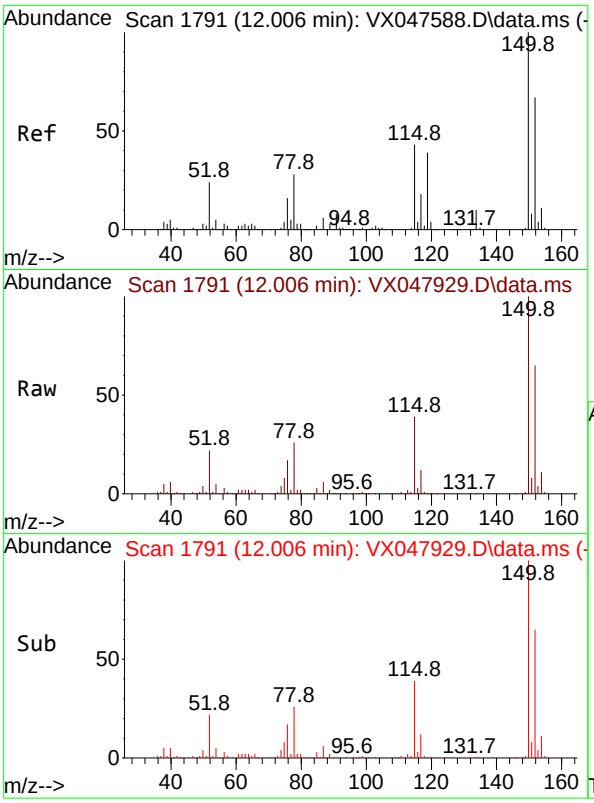


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Tgt Ion:117 Resp: 254599

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.8	71.6
119	32.6	25.2	37.8



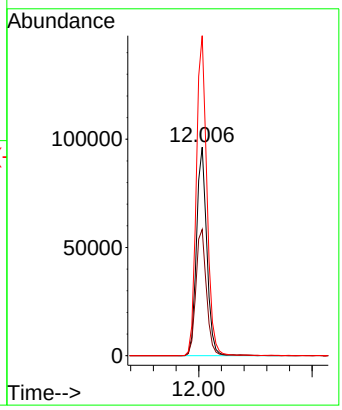


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047929.D
Acq: 01 Oct 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
RW4-20250922DL

Tgt Ion:152 Resp: 121354

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.9	134.5
150	156.9	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	GM38-RW3-MW1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047934.D	1	10/01/25 13:04	VX100125

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	1.70	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	0.50	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	0.43	J	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	17.8		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

Raw Data: **VX047934.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	GM38-RW3-MW1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047934.D	1	10/01/25 13:04	VX100125

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	1.50		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	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	279000	6.751				
3114-55-4	Chlorobenzene-d5	289000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.006				

Raw Data: **VX047934.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/22/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	GM38-RW3-MW1-20250922	SDG No.:	Q3193
Lab Sample ID:	Q3193-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047934.D	1	10/01/25 13:04	VX100125

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\VX100125\
Data File : VX047934.D
Acq On : 01 Oct 2025 13:04
Operator : JC/MD
Sample : Q3193-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Quant Time: Oct 03 01:20:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

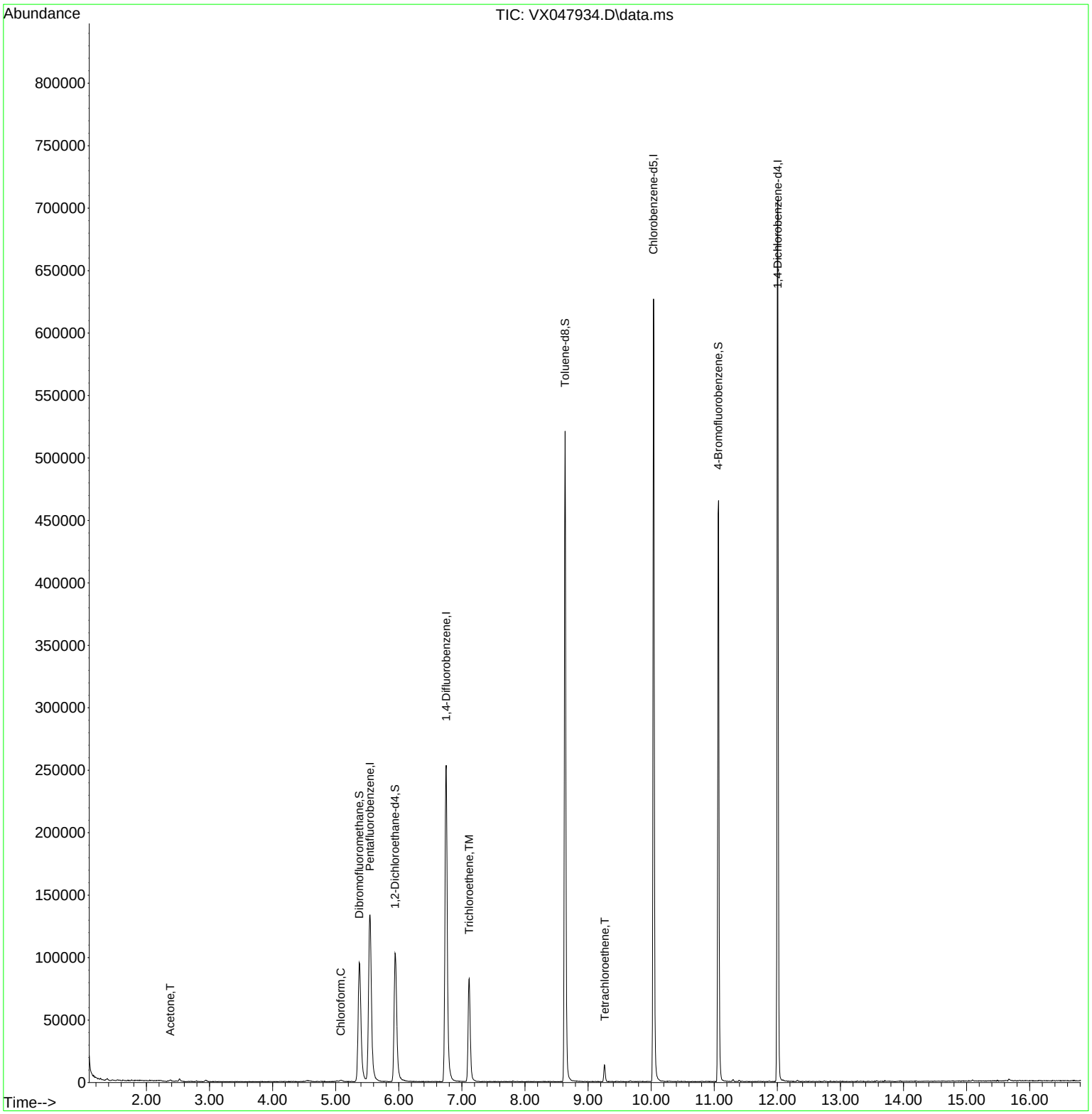
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	279360	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	114553	52.215	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.420%			
35) Dibromofluoromethane	5.373	113	93231	49.762	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	8.635	98	315092	48.604	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.200%			
62) 4-Bromofluorobenzene	11.061	95	137437	55.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.720%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1583	1.659	ug/l #	89
30) Chloroform	5.080	83	1515	0.431	ug/l	88
44) Trichloroethene	7.117	130	35808	17.812	ug/l	96
64) Tetrachloroethene	9.263	164	2804	1.490	ug/l	88

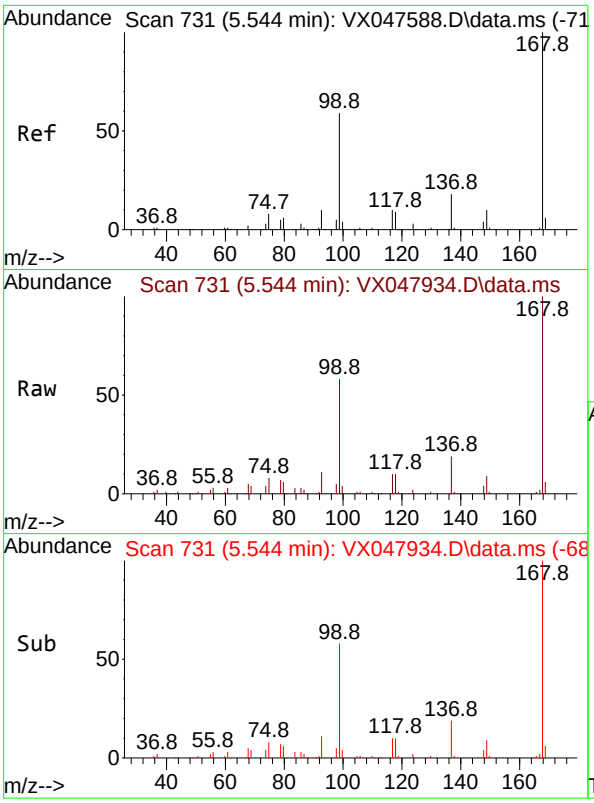
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047934.D
Acq On : 01 Oct 2025 13:04
Operator : JC/MD
Sample : Q3193-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Quant Time: Oct 03 01:20:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



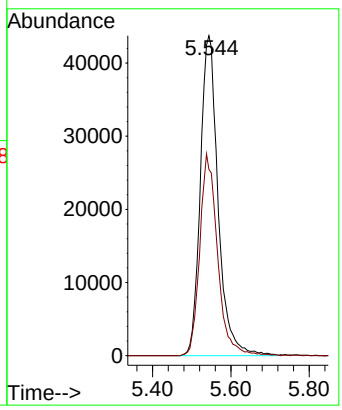


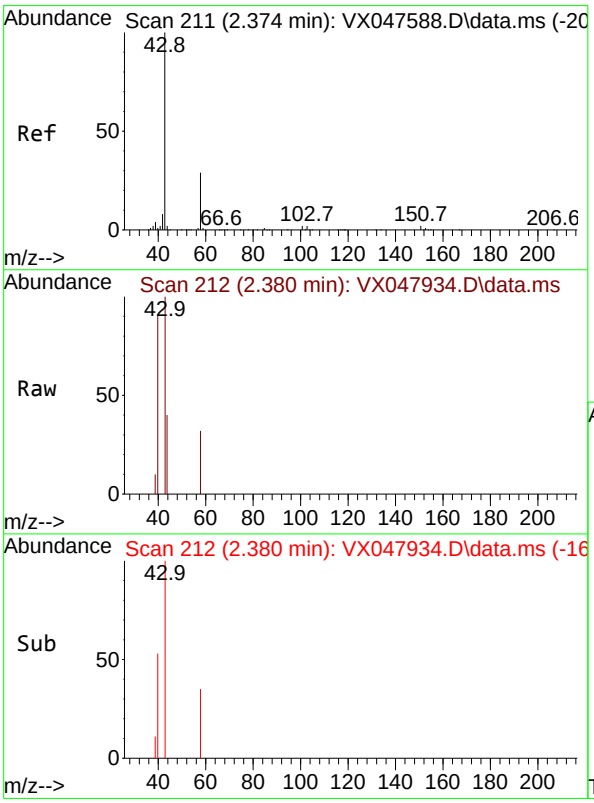
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion:168 Resp: 137828

Ion	Ratio	Lower	Upper
168	100		
99	58.2	48.8	73.2

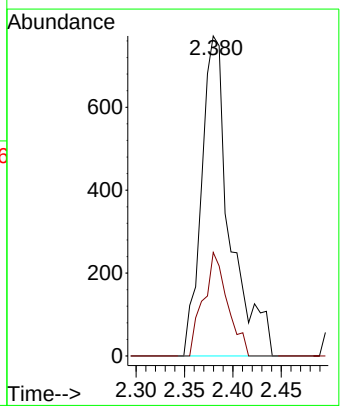


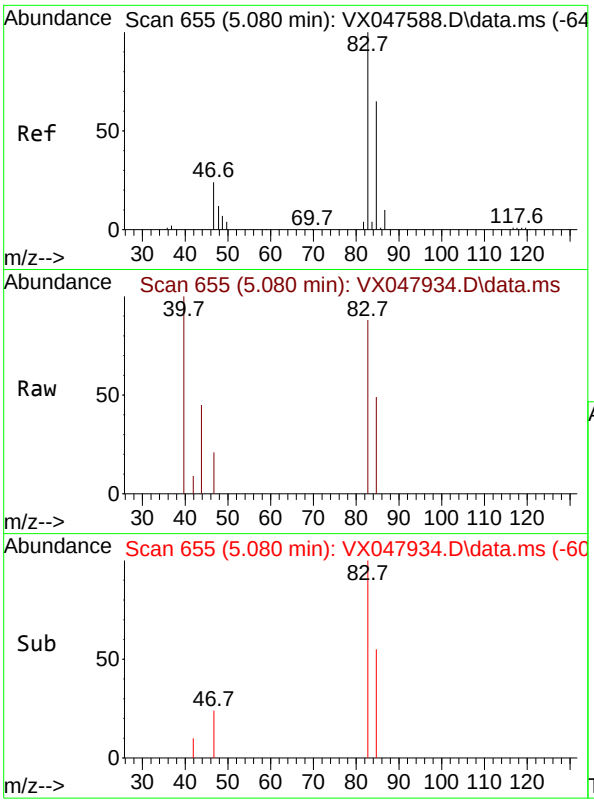


#16
Acetone
Concen: 1.659 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 43 Resp: 1583

Ion	Ratio	Lower	Upper
43	100		
58	23.1	23.4	35.0#



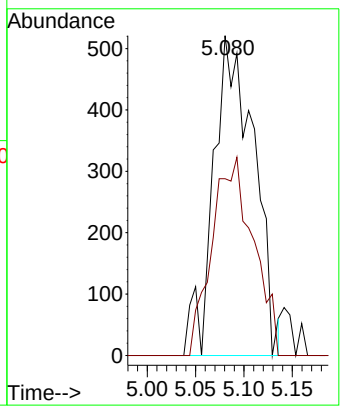


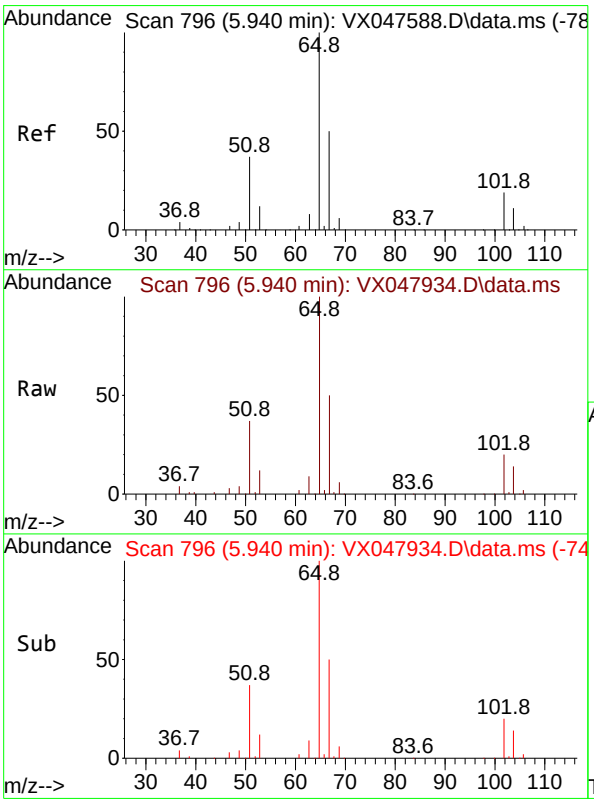
#30
Chloroform
Concen: 0.431 ug/l
RT: 5.080 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion: 83 Resp: 1515

Ion	Ratio	Lower	Upper
83	100		
85	55.3	51.8	77.6

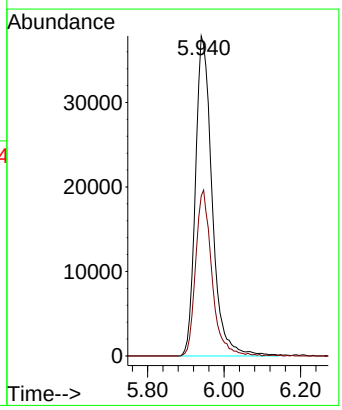


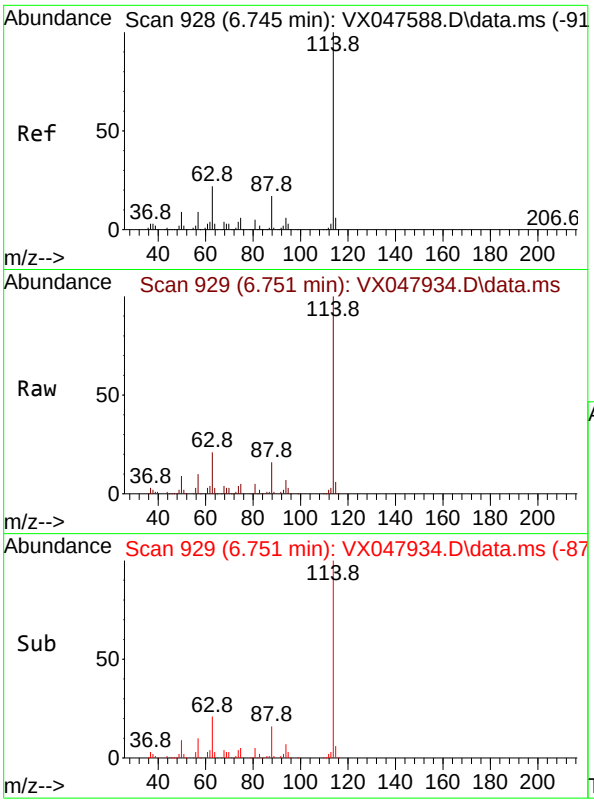


#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 65 Resp: 114553

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0



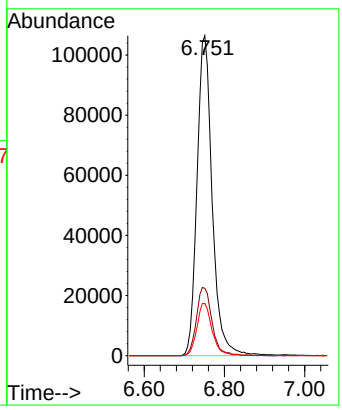


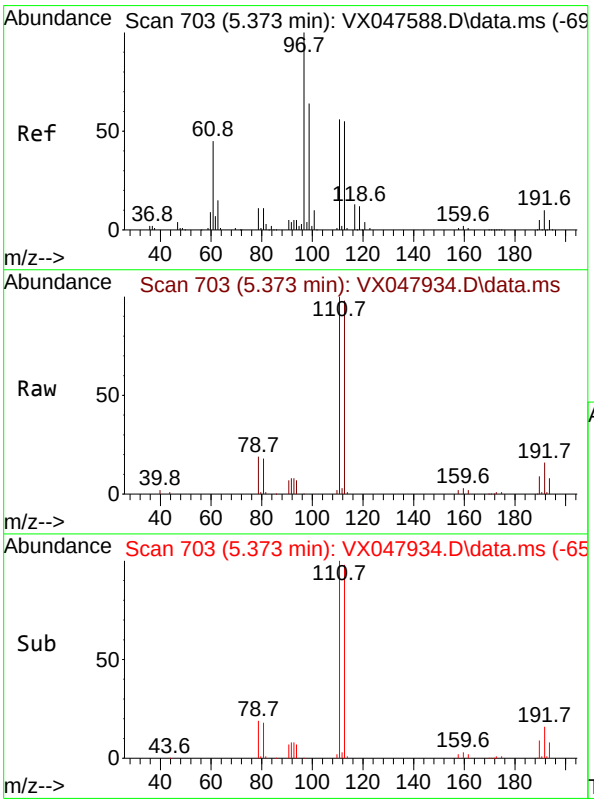
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion:114 Resp: 279360

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.4	0.0	34.2

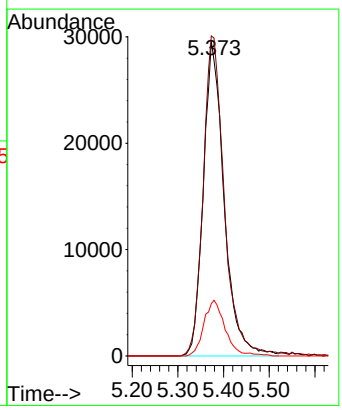


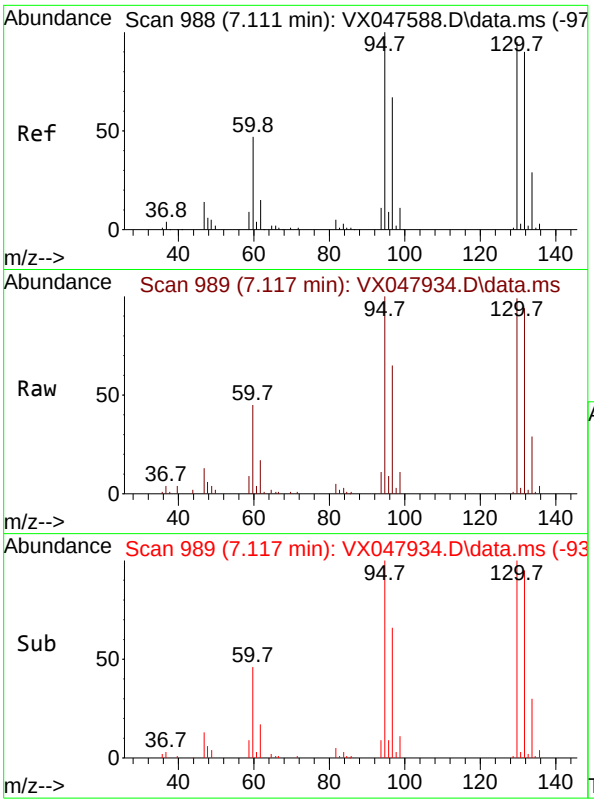


#35
Dibromofluoromethane
Concen: 49.762 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion:113 Resp: 93231

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	18.2	14.2	21.4



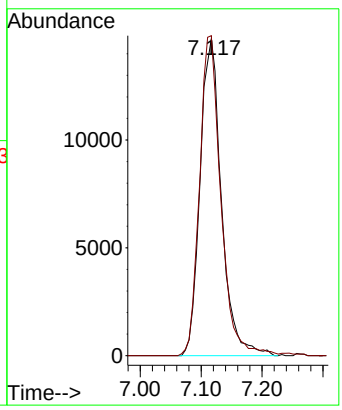


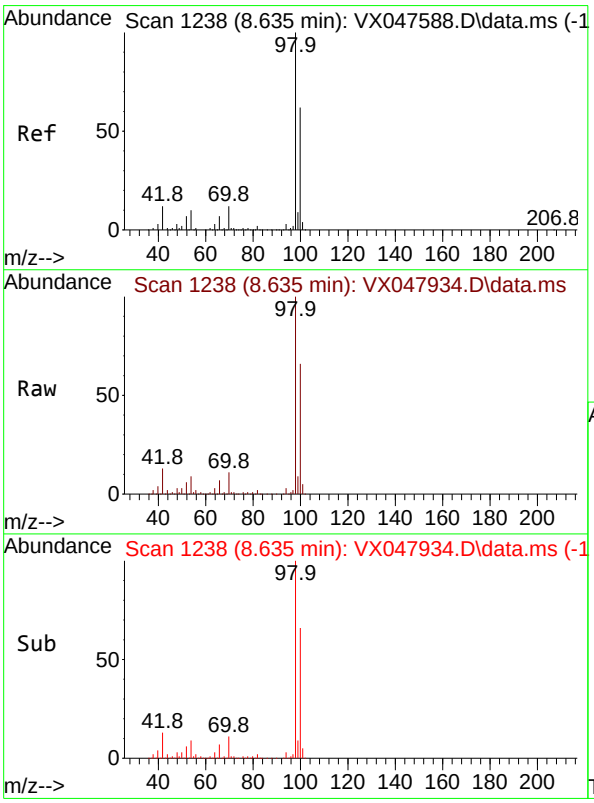
#44
Trichloroethene
Concen: 17.812 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion:130 Resp: 35808

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	210.8

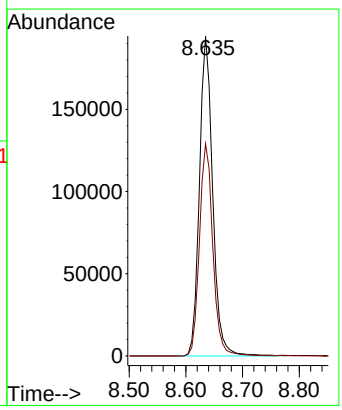


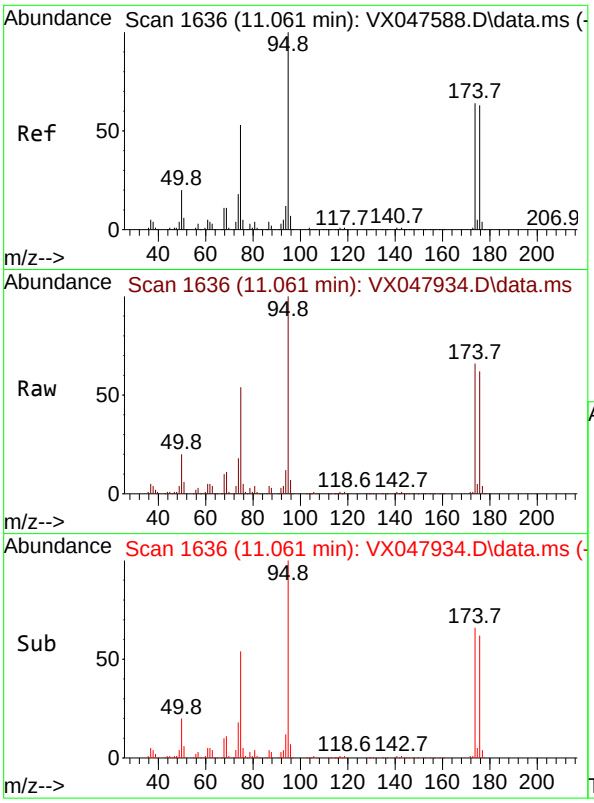


#50
Toluene-d8
Concen: 48.604 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 98 Resp: 315092

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



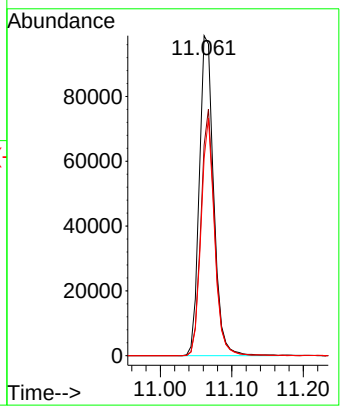


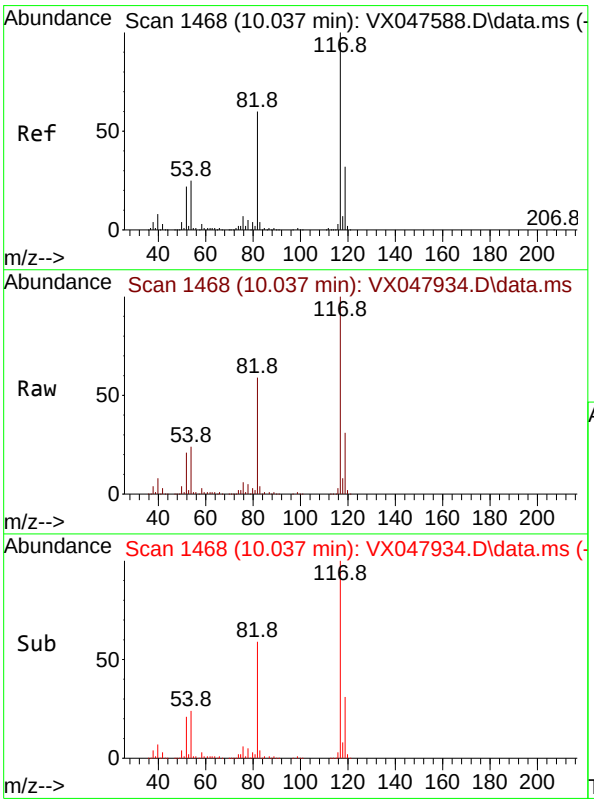
#62
4-Bromofluorobenzene
Concen: 55.861 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion: 95 Resp: 137437

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	141.6
176	70.0	0.0	138.4

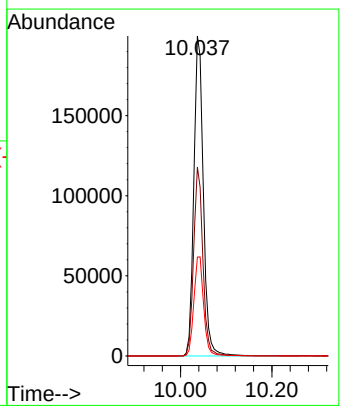


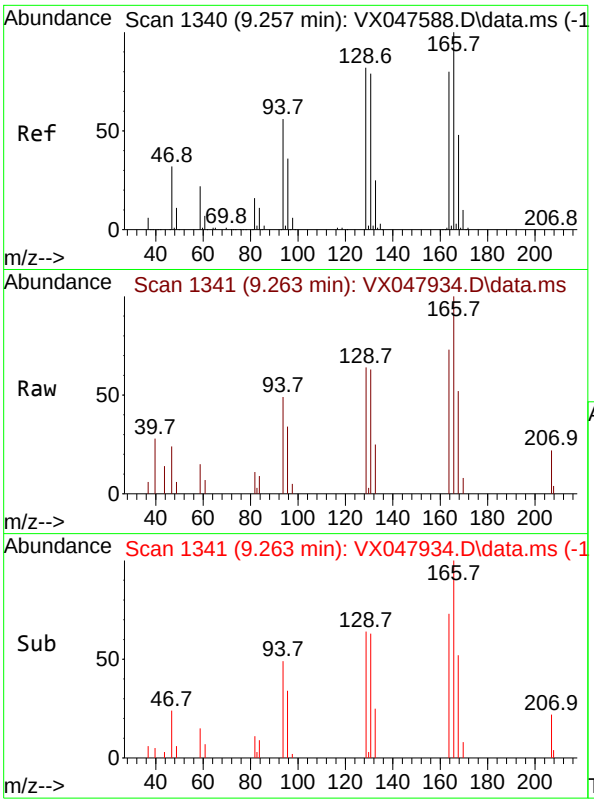


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion:117 Resp: 288741

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.8	71.6
119	30.9	25.2	37.8



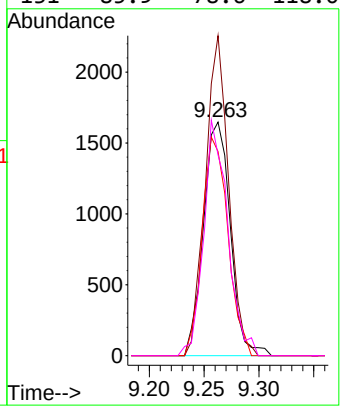


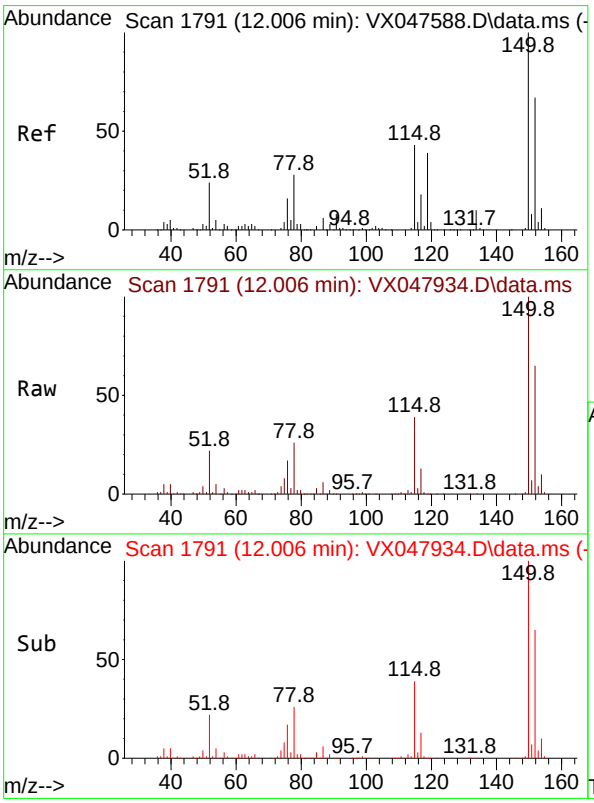
#64
Tetrachloroethene
Concen: 1.490 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion:164 Resp: 2804

Ion	Ratio	Lower	Upper
164	100		
166	137.0	100.2	150.2
129	87.4	81.8	122.6
131	85.9	78.6	118.0

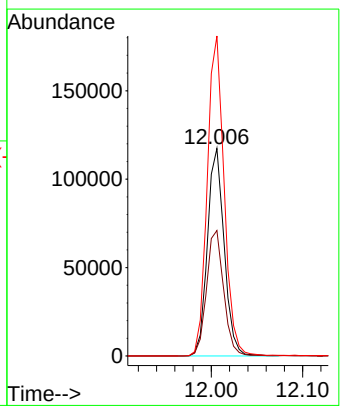




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion:152 Resp: 149951

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.9	134.5
150	155.9	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT20551-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047935.D	1	10/01/25 13:25	VX100125

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	2.10	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	0.29	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	0.52	J	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	0.41	J	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	6.60		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	1.20		0.14	0.50	1.00	ug/L

Raw Data: **VX047935.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT20551-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047935.D	1	10/01/25 13:25	VX100125

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	0.31	J	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	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	279000	6.745				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Raw Data: **VX047935.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT20551-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047935.D	1	10/01/25 13:25	VX100125

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\VX100125\
Data File : VX047935.D
Acq On : 01 Oct 2025 13:25
Operator : JC/MD
Sample : Q3193-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Quant Time: Oct 03 01:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

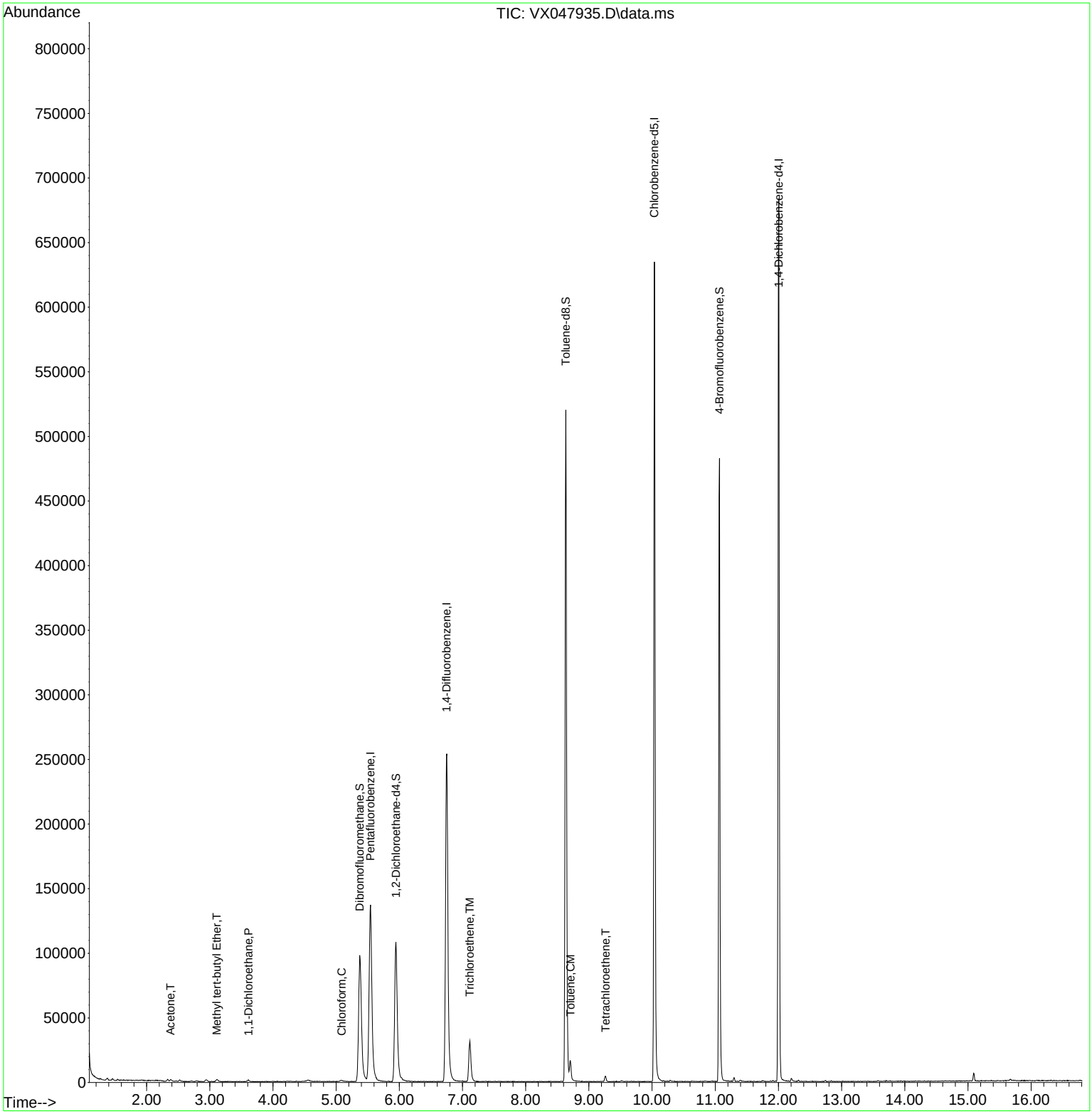
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	133993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	279255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116327	54.541	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.080%			
35) Dibromofluoromethane	5.373	113	94137	50.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	8.635	98	321080	49.546	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.100%			
62) 4-Bromofluorobenzene	11.067	95	138083	56.144	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.280%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1968	2.122	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	1698	0.292	ug/l	94
24) 1,1-Dichloroethane	3.611	63	1756	0.519	ug/l #	90
30) Chloroform	5.086	83	1403	0.410	ug/l	90
44) Trichloroethene	7.117	130	13307	6.622	ug/l	83
52) Toluene	8.708	92	5959	1.164	ug/l	93
64) Tetrachloroethene	9.263	164	595	0.313	ug/l #	91

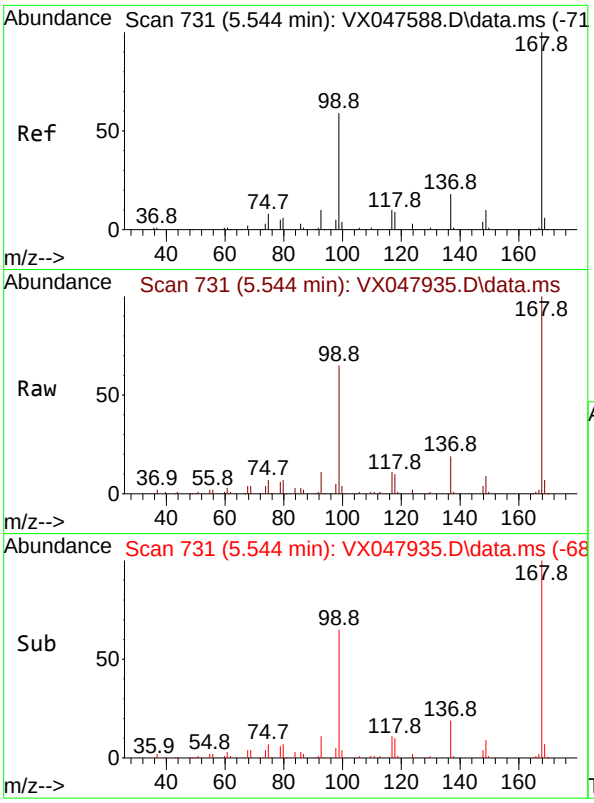
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047935.D
Acq On : 01 Oct 2025 13:25
Operator : JC/MD
Sample : Q3193-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Quant Time: Oct 03 01:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



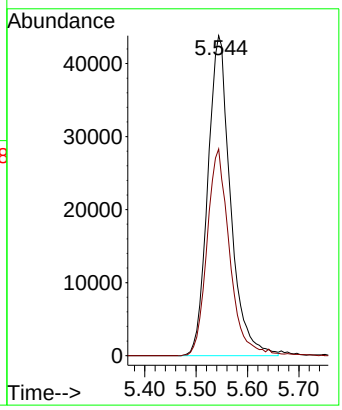


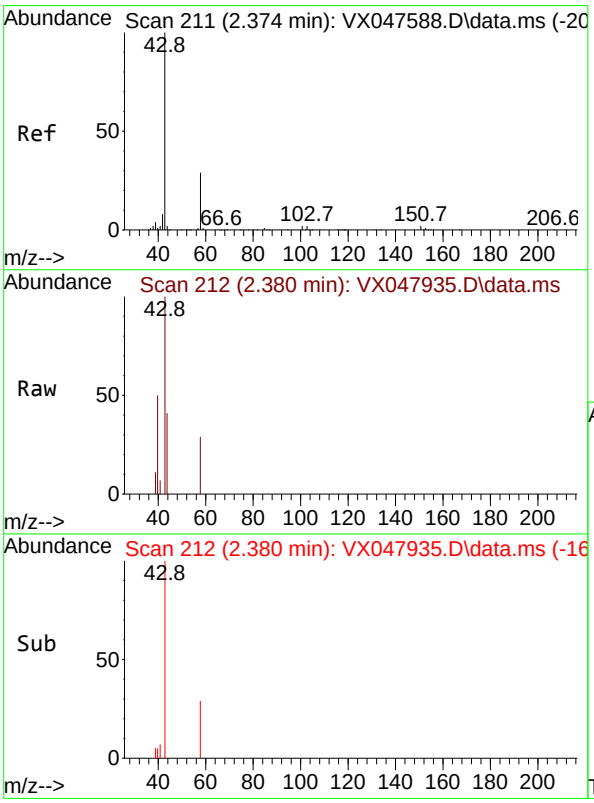
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion:168 Resp: 133993

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.8	73.2

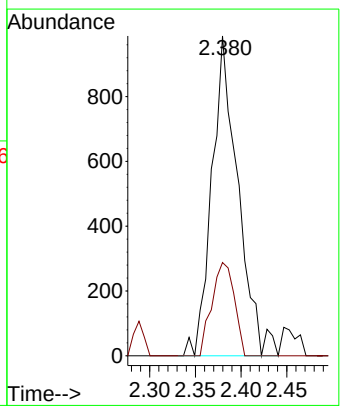


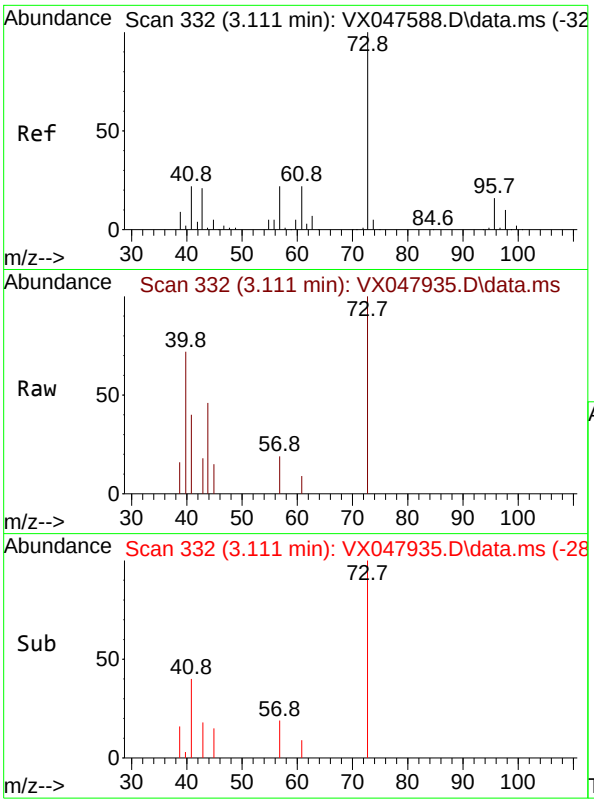


#16
Acetone
Concen: 2.122 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 43 Resp: 1968

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.4	35.0



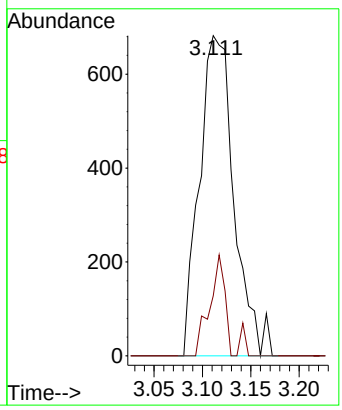


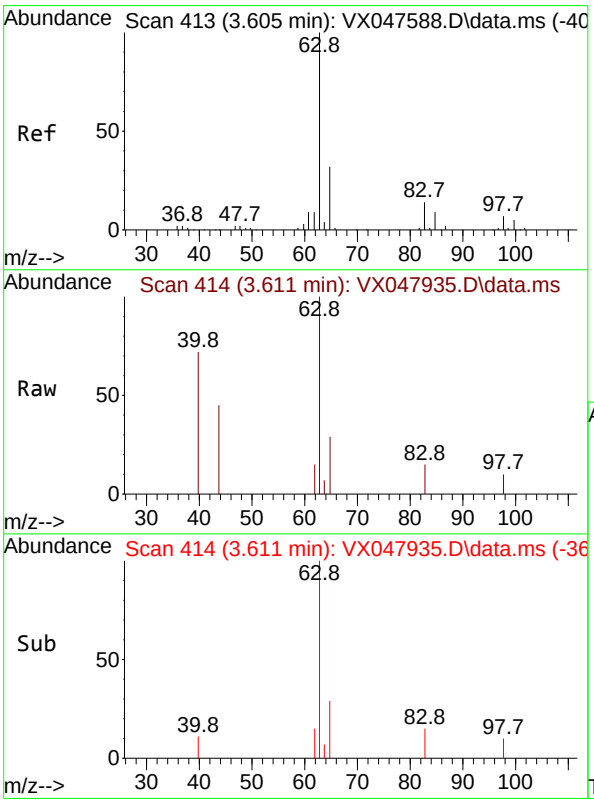
#19
Methyl tert-butyl Ether
Concen: 0.292 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion: 73 Resp: 1698

Ion	Ratio	Lower	Upper
73	100		
57	18.8	17.4	26.2

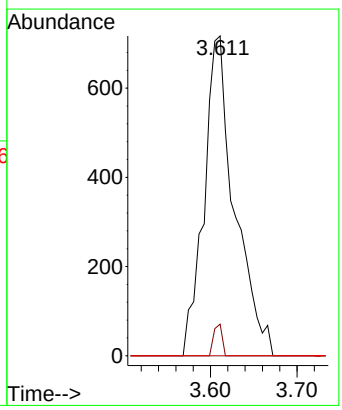


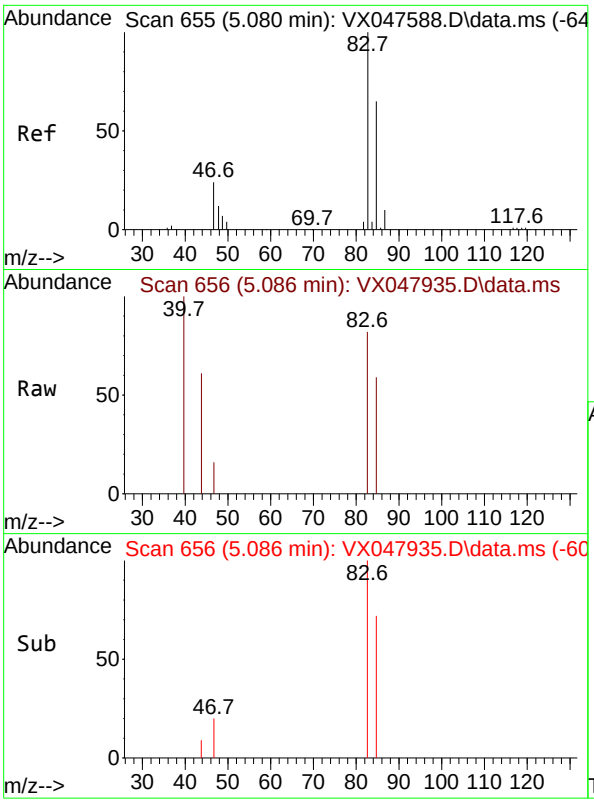


#24
1,1-Dichloroethane
Concen: 0.519 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 63 Resp: 1756

Ion	Ratio	Lower	Upper
63	100		
98	9.9	3.8	11.2
100	0.0	2.3	6.9#



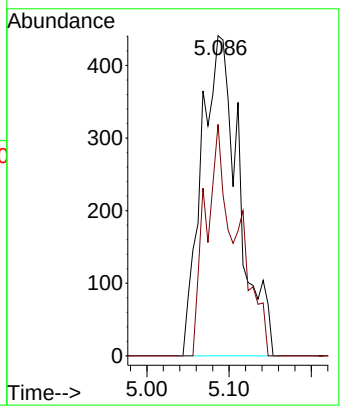


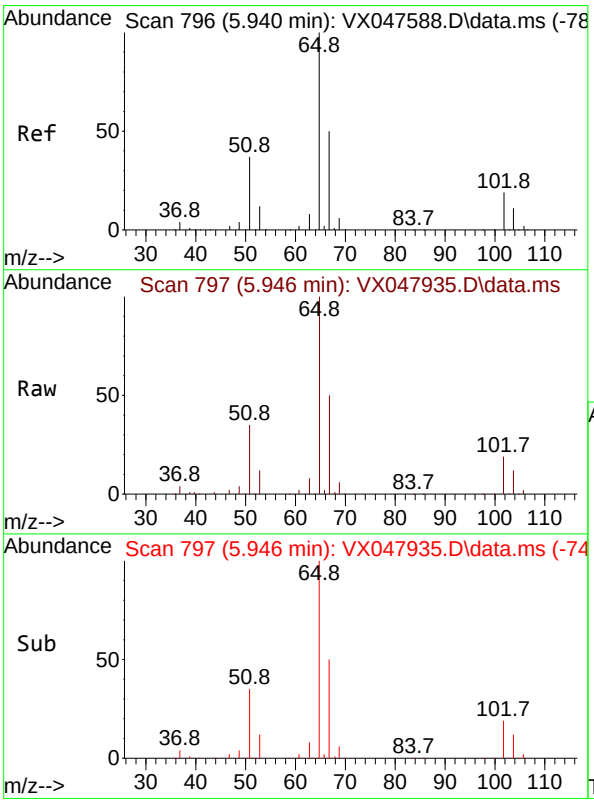
#30
Chloroform
Concen: 0.410 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion: 83 Resp: 1403

Ion	Ratio	Lower	Upper
83	100		
85	72.3	51.8	77.6

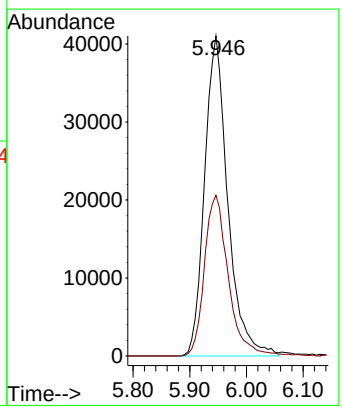


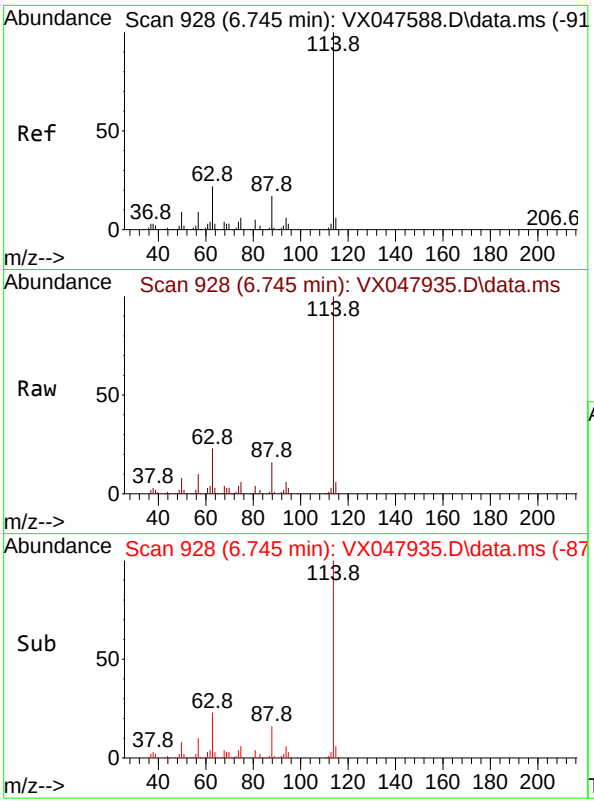


#33
1,2-Dichloroethane-d4
Concen: 54.541 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 65 Resp: 116327

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



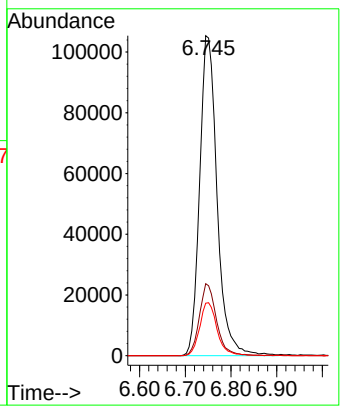


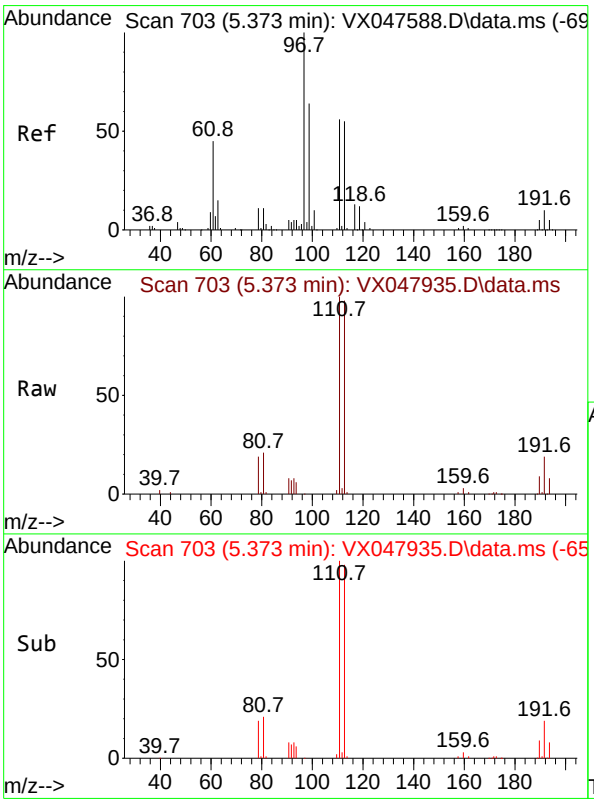
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion:114 Resp: 279255

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2

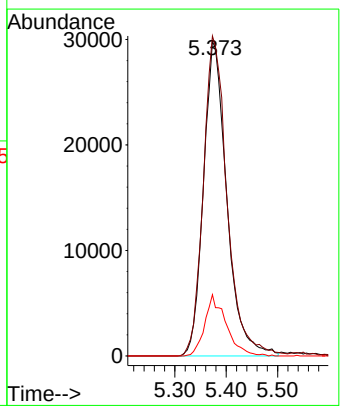


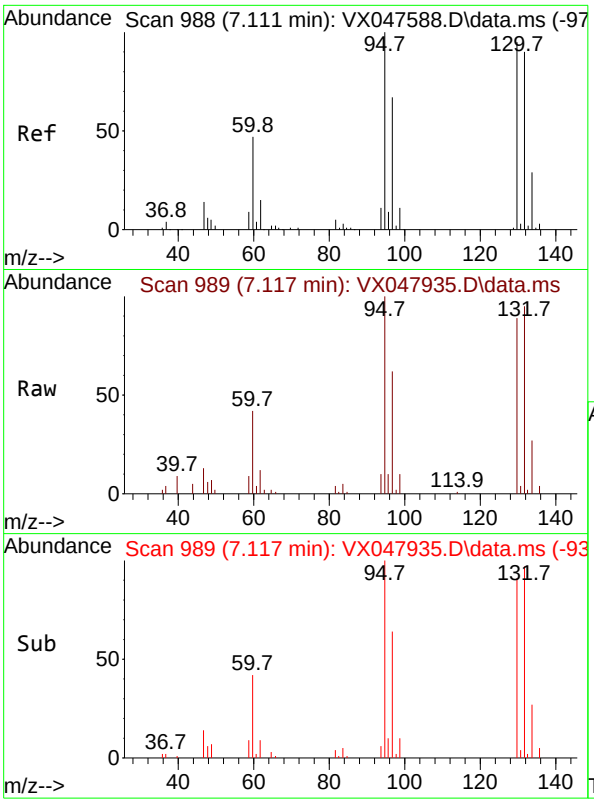


#35
Dibromofluoromethane
Concen: 50.264 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion:113 Resp: 94137

Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.9	121.3
192	17.9	14.2	21.4



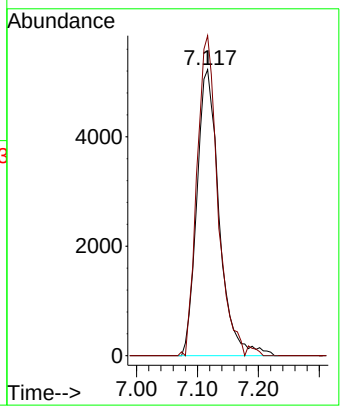


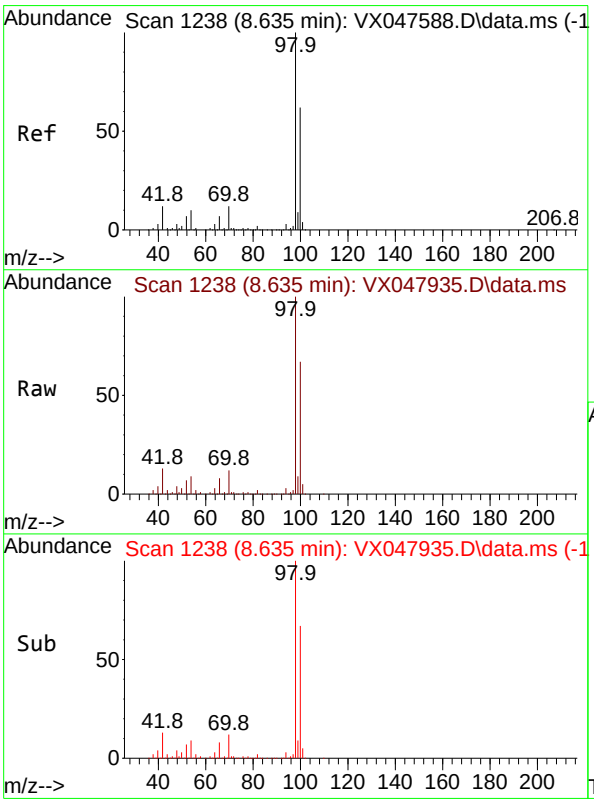
#44
Trichloroethene
Concen: 6.622 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion:130 Resp: 13307

Ion	Ratio	Lower	Upper
130	100		
95	123.0	0.0	210.8

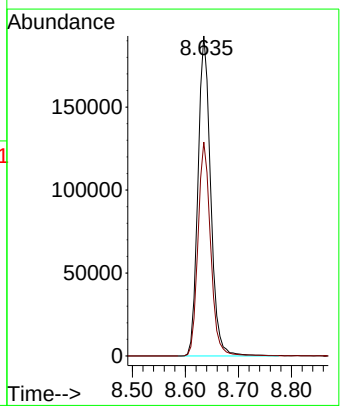


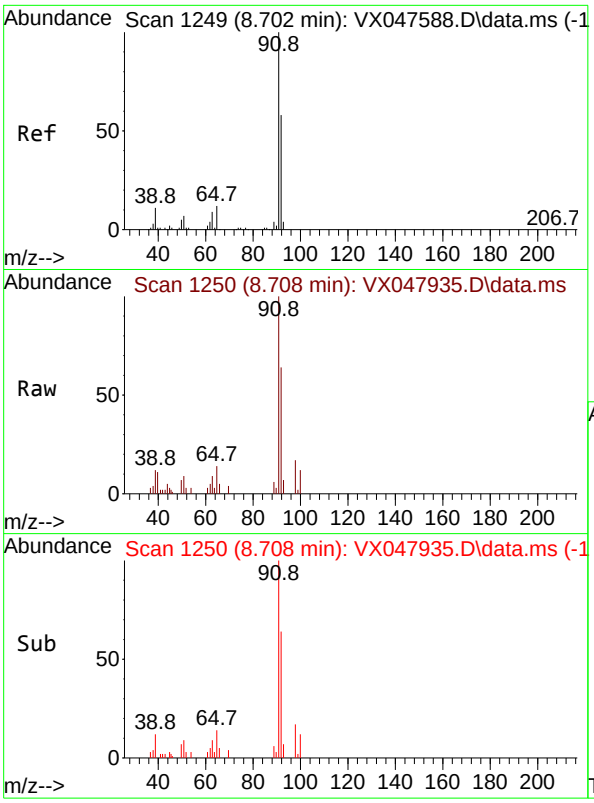


#50
Toluene-d8
Concen: 49.546 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 98 Resp: 321080

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



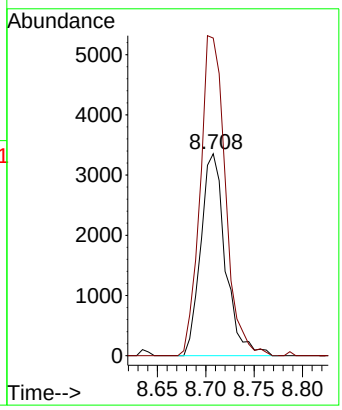


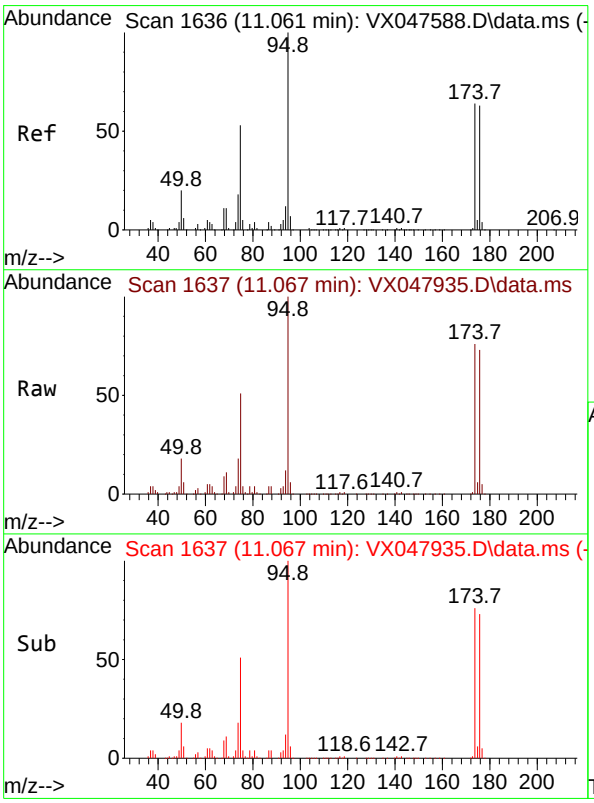
#52
Toluene
Concen: 1.164 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion: 92 Resp: 5959

Ion	Ratio	Lower	Upper
92	100		
91	162.1	137.1	205.7

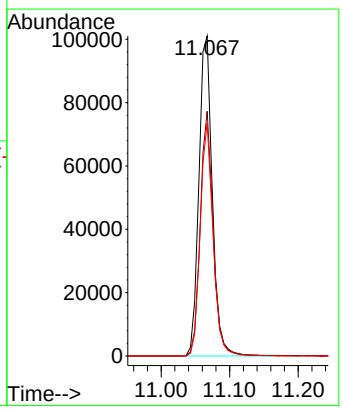


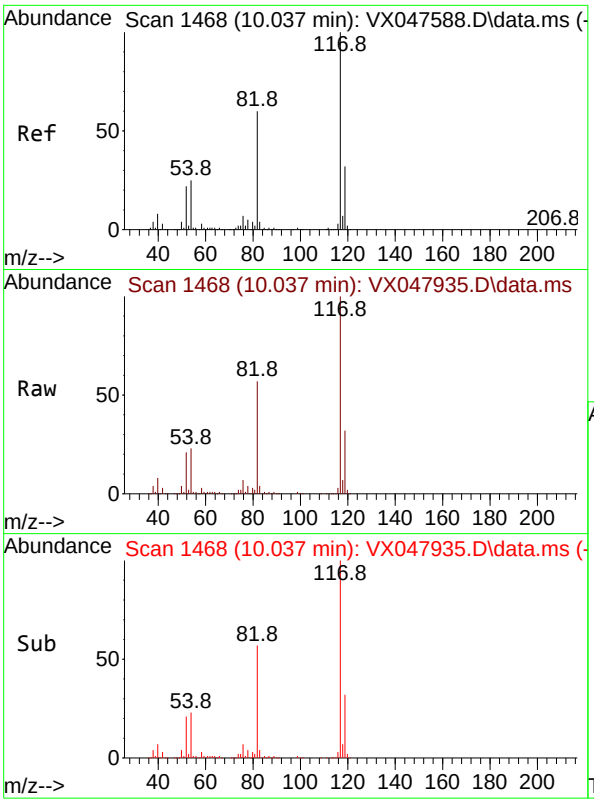


#62
4-Bromofluorobenzene
Concen: 56.144 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 95 Resp: 138083

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	141.6
176	69.7	0.0	138.4



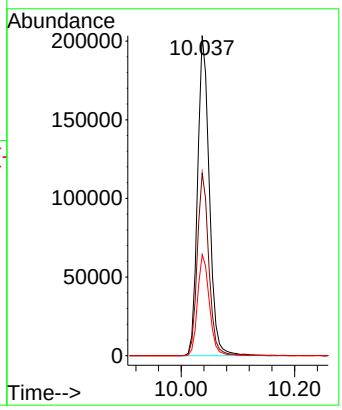


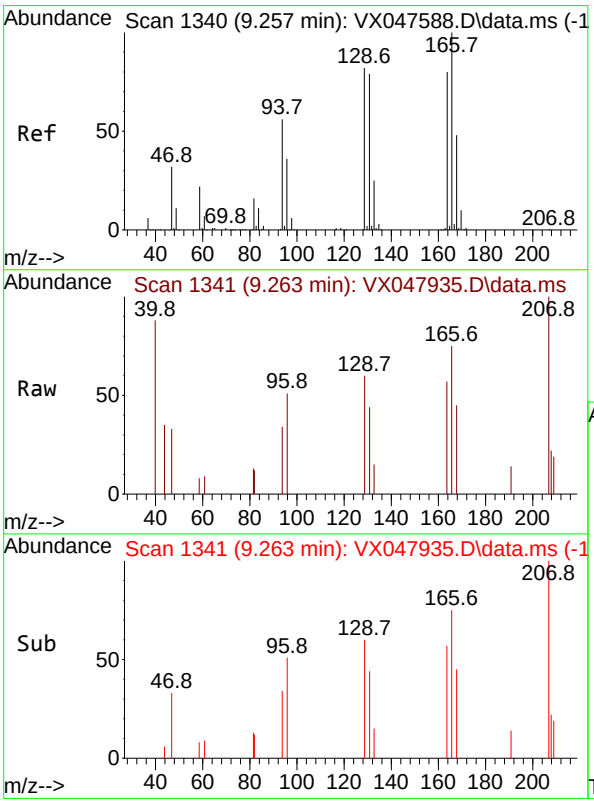
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion:117 Resp: 291356

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.6
119	31.6	25.2	37.8

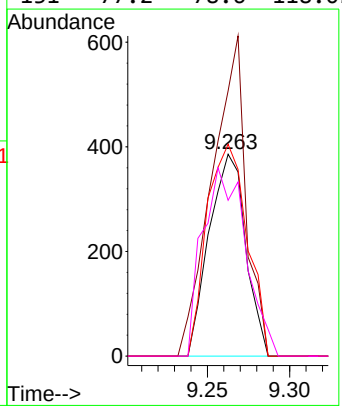


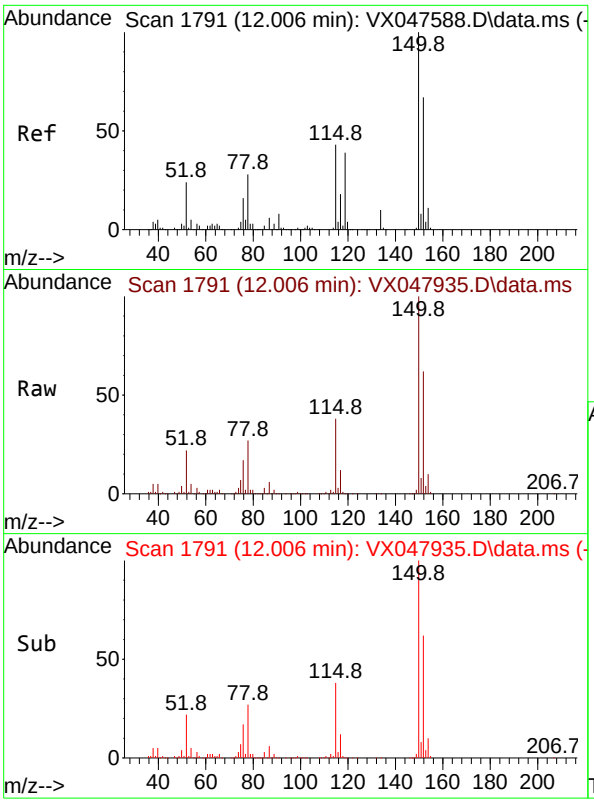


#64
Tetrachloroethene
Concen: 0.313 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion:164 Resp: 595

Ion	Ratio	Lower	Upper
164	100		
166	131.3	100.2	150.2
129	104.9	81.8	122.6
131	77.2	78.6	118.0#



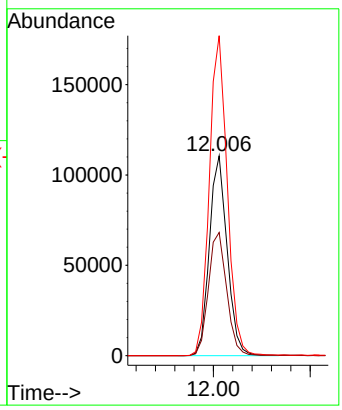


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

Tgt Ion:152 Resp: 141662

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.9	134.5
150	161.2	0.0	352.0



Raw Data: **VX047913.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01I-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047913.D	1	09/30/25 16:00	VX093025

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	2.20	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	0.36	J	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

Raw Data: **VX047913.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01I-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047913.D	1	09/30/25 16:00	VX093025

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	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	262000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.006				

Raw Data: **VX047913.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01I-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047913.D	1	09/30/25 16:00	VX093025

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\VX093025\
Data File : VX047913.D
Acq On : 30 Sep 2025 16:00
Operator : JC/MD
Sample : Q3193-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Quant Time: Oct 01 01:13:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

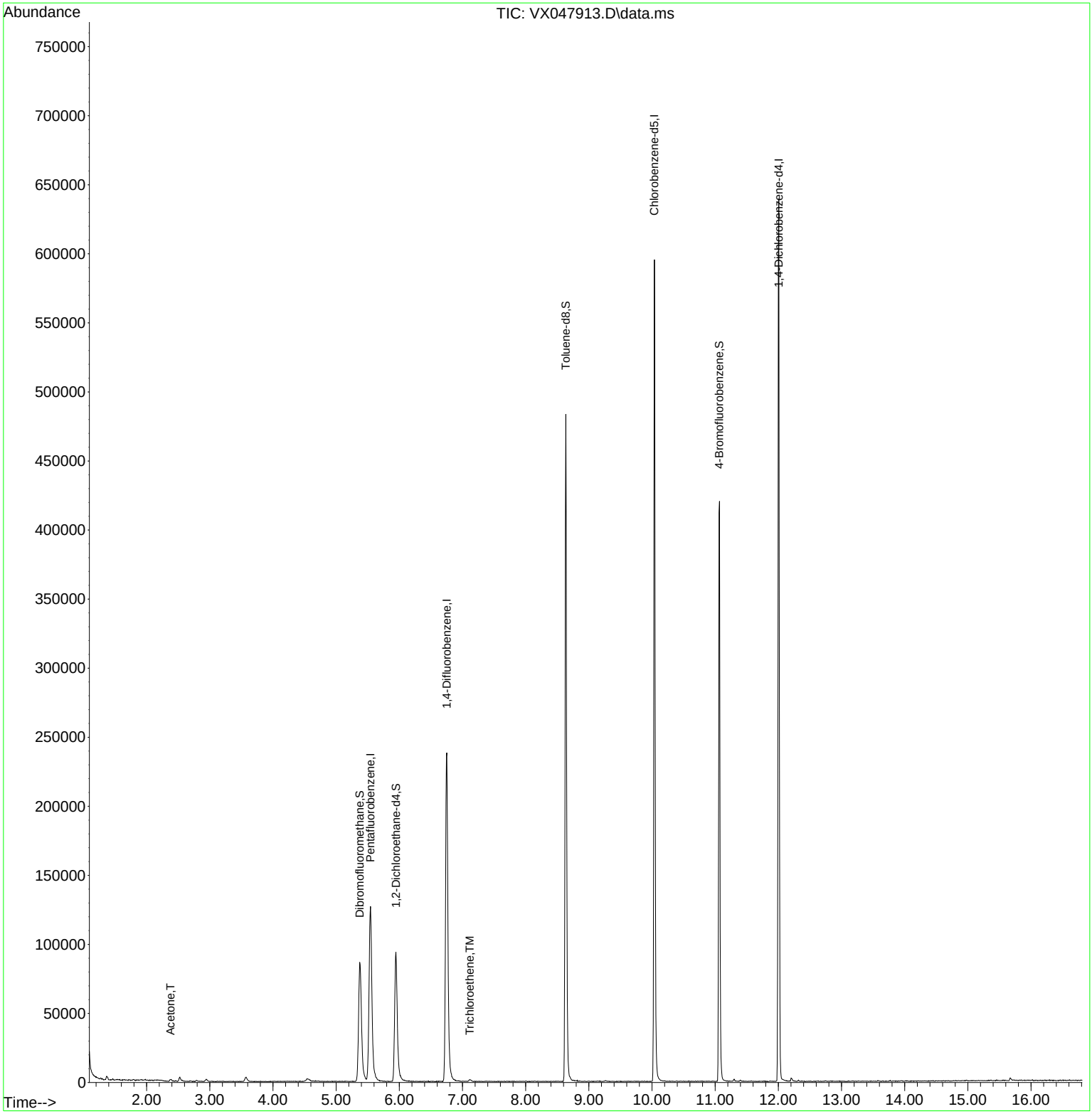
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	261894	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101063	50.408	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.820%			
35) Dibromofluoromethane	5.373	113	84978	48.382	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.760%			
50) Toluene-d8	8.635	98	294330	48.429	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.860%			
62) 4-Bromofluorobenzene	11.061	95	123994	53.758	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.520%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1944	2.230	ug/l #	80
44) Trichloroethene	7.117	130	683	0.362	ug/l	70

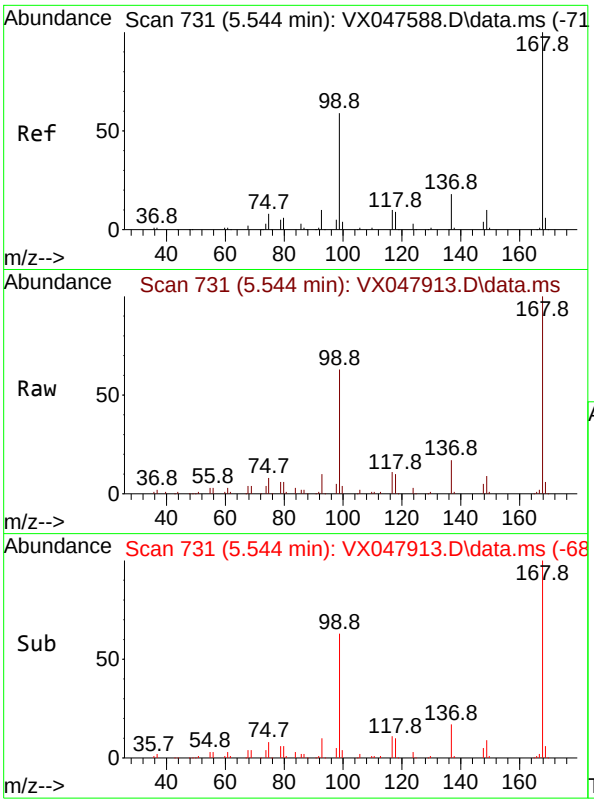
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047913.D
Acq On : 30 Sep 2025 16:00
Operator : JC/MD
Sample : Q3193-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Quant Time: Oct 01 01:13:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



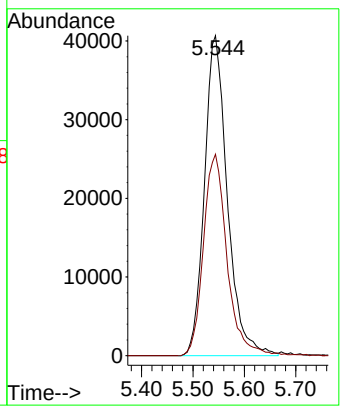


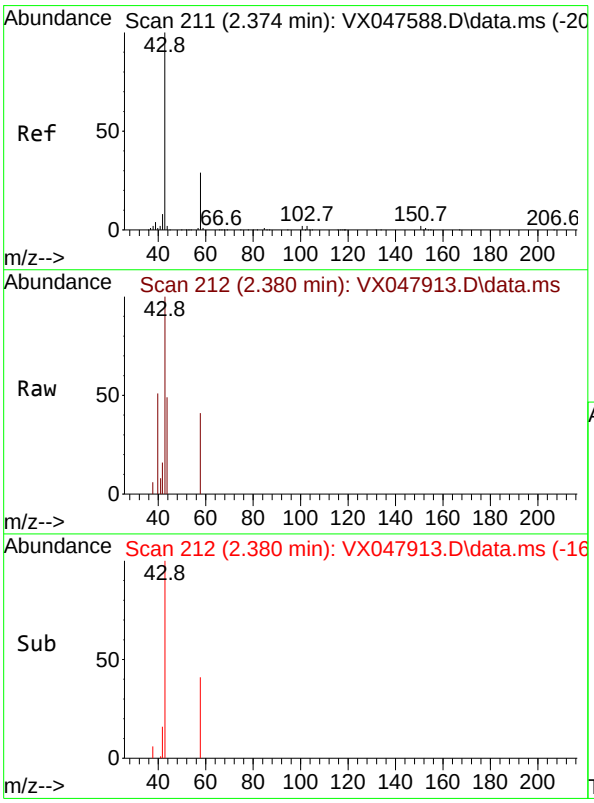
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Tgt Ion:168 Resp: 125955

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

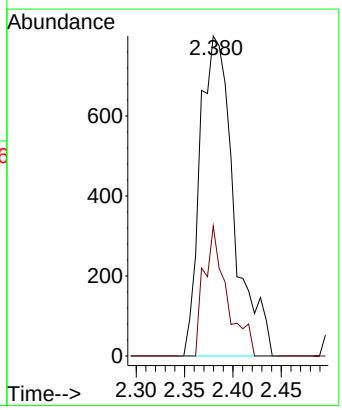


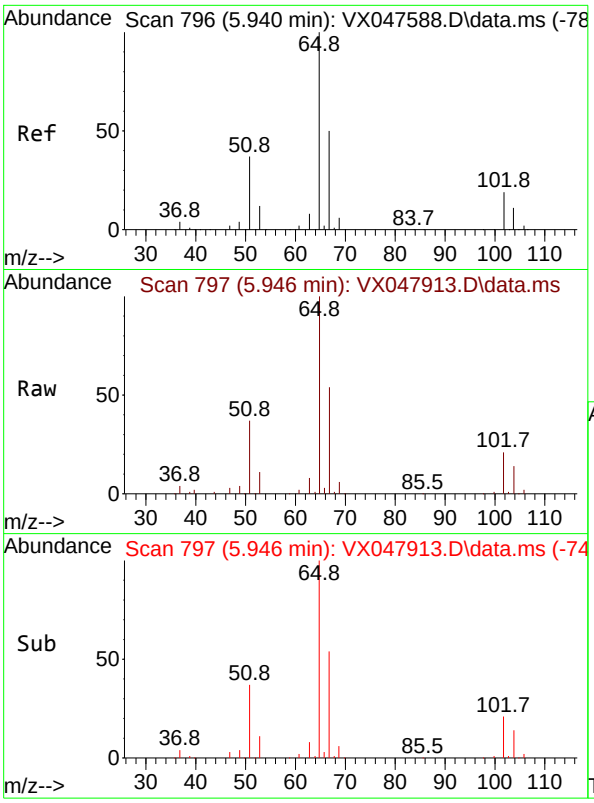


#16
Acetone
Concen: 2.230 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Tgt Ion: 43 Resp: 1944

Ion	Ratio	Lower	Upper
43	100		
58	39.9	23.4	35.0#



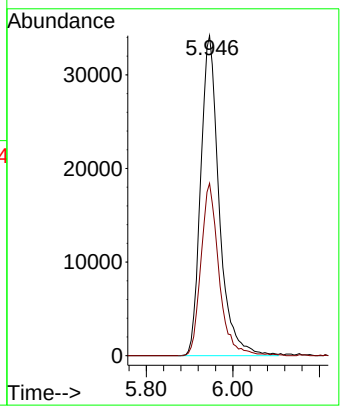


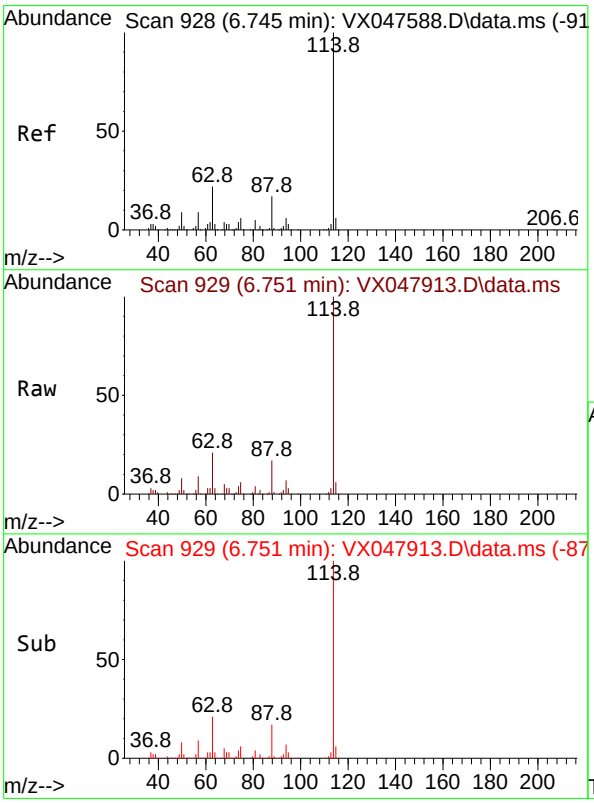
#33
1,2-Dichloroethane-d4
Concen: 50.408 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Tgt Ion: 65 Resp: 101063

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0

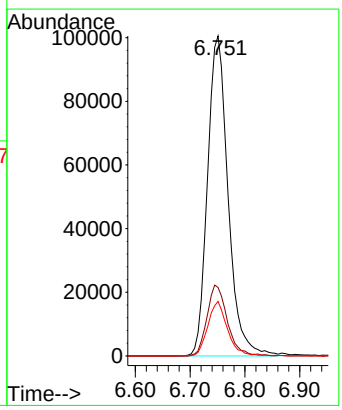


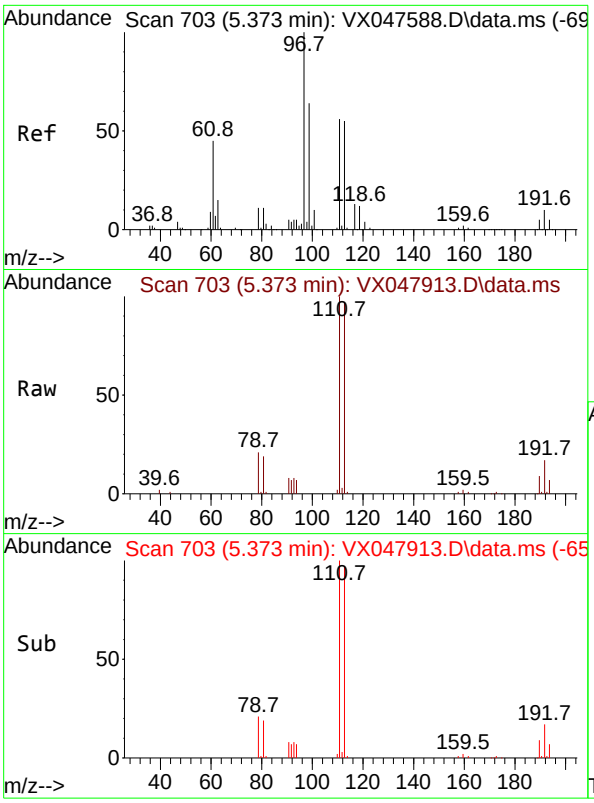


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Tgt Ion:114 Resp: 261894

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	17.1	0.0	34.2



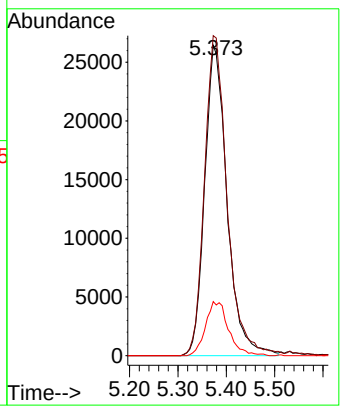


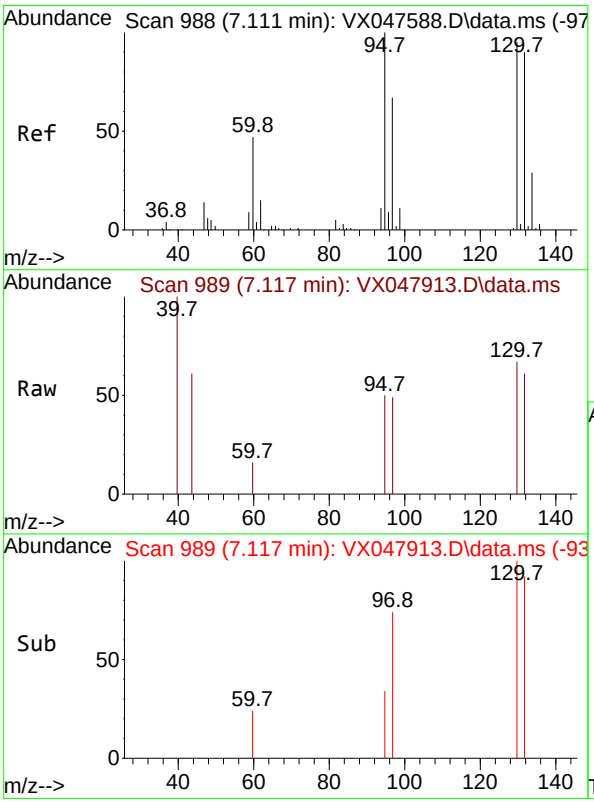
#35
Dibromofluoromethane
Concen: 48.382 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Tgt Ion:113 Resp: 84978

Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	17.9	14.2	21.4

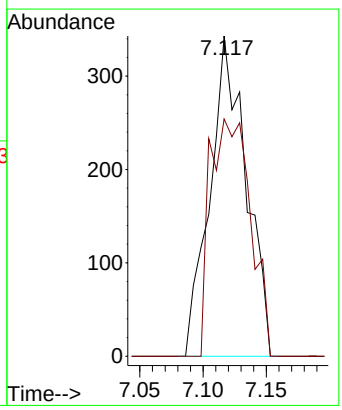


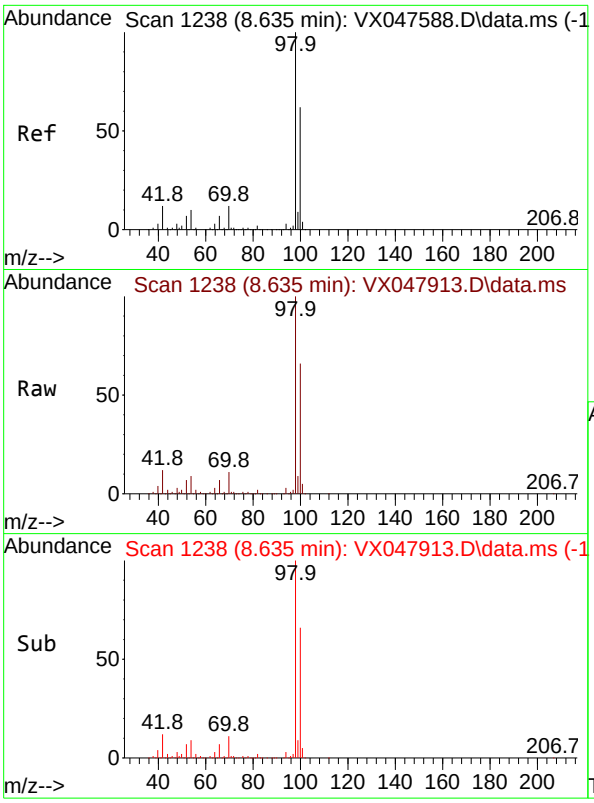


#44
Trichloroethene
Concen: 0.362 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Tgt Ion:130 Resp: 683

Ion	Ratio	Lower	Upper
130	100		
95	74.1	0.0	210.8



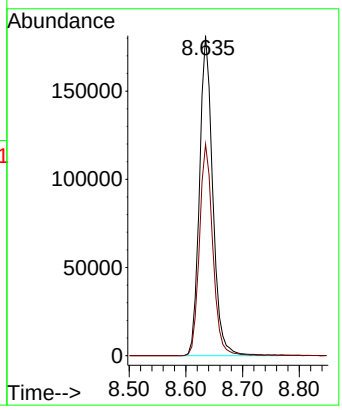


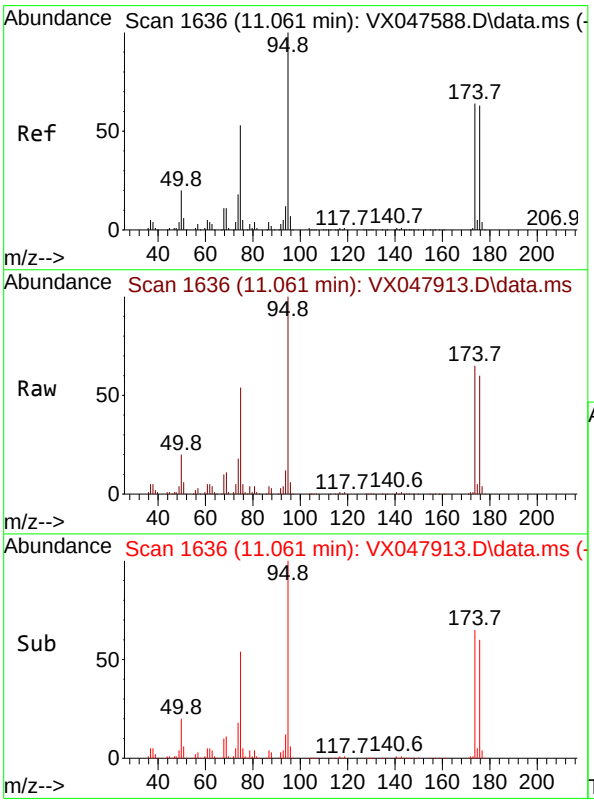
#50
Toluene-d8
Concen: 48.429 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Tgt Ion: 98 Resp: 294330

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

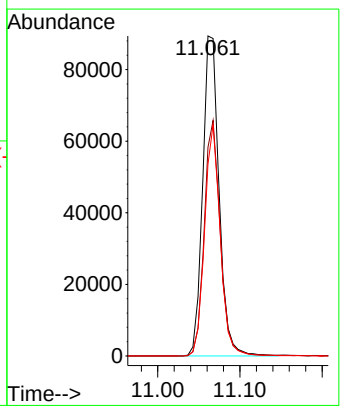


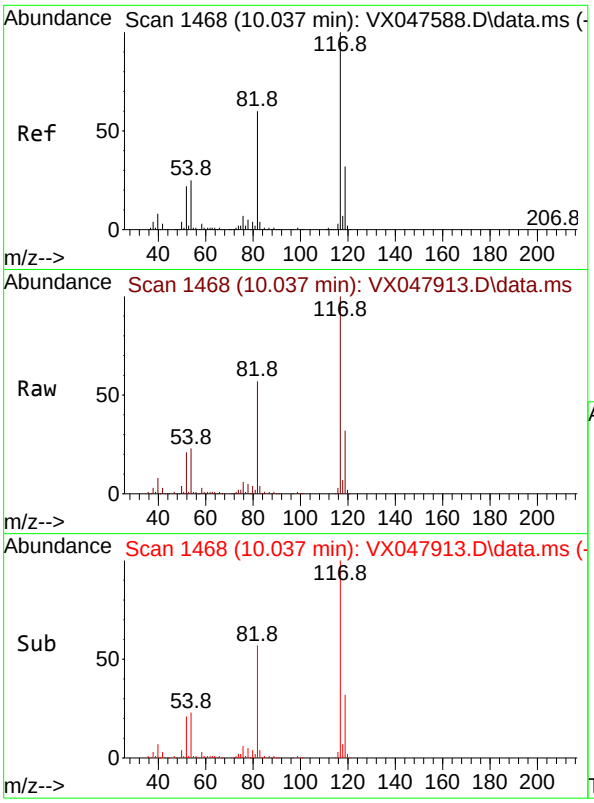


#62
4-Bromofluorobenzene
Concen: 53.758 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Tgt Ion: 95 Resp: 123994

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.0	0.0	138.4



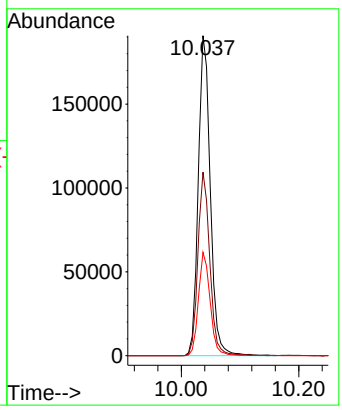


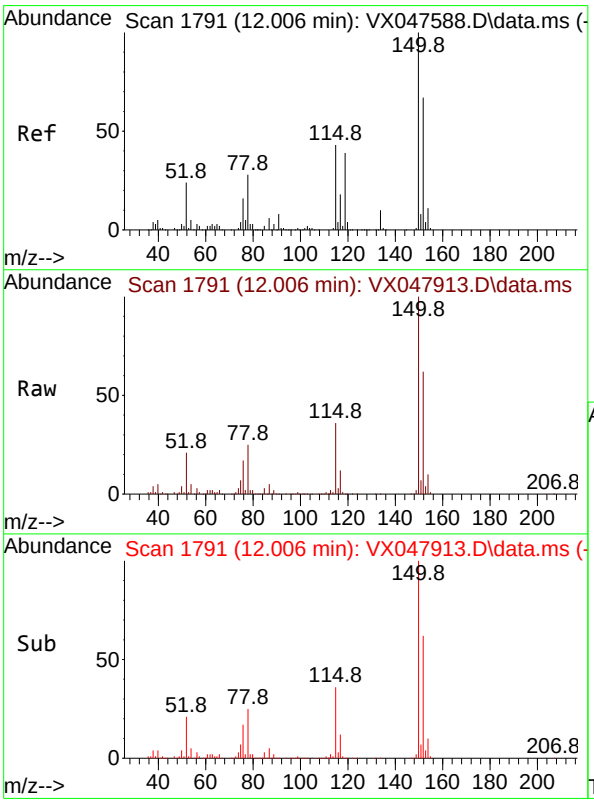
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20250923

Tgt Ion:117 Resp: 270426

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.3	25.2	37.8

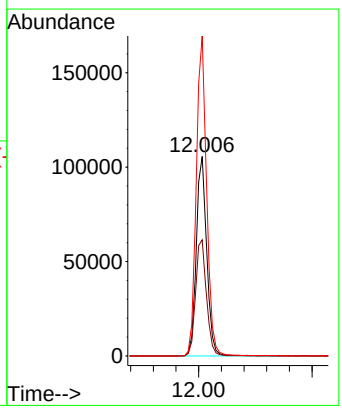




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047913.D
Acq: 30 Sep 2025 16:00

Tgt Ion:152 Resp: 134429

Ion	Ratio	Lower	Upper
152	100		
115	60.6	44.9	134.5
150	159.2	0.0	352.0



Raw Data: **VX047914.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047914.D	1	09/30/25 16:21	VX093025

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	1.50	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	0.28	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

Raw Data: **VX047914.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047914.D	1	09/30/25 16:21	VX093025

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	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.544				
540-36-3	1,4-Difluorobenzene	260000	6.751				
3114-55-4	Chlorobenzene-d5	268000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.006				

Raw Data: **VX047914.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047914.D	1	09/30/25 16:21	VX093025

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\VX093025\
Data File : VX047914.D
Acq On : 30 Sep 2025 16:21
Operator : JC/MD
Sample : Q3193-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Quant Time: Oct 01 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

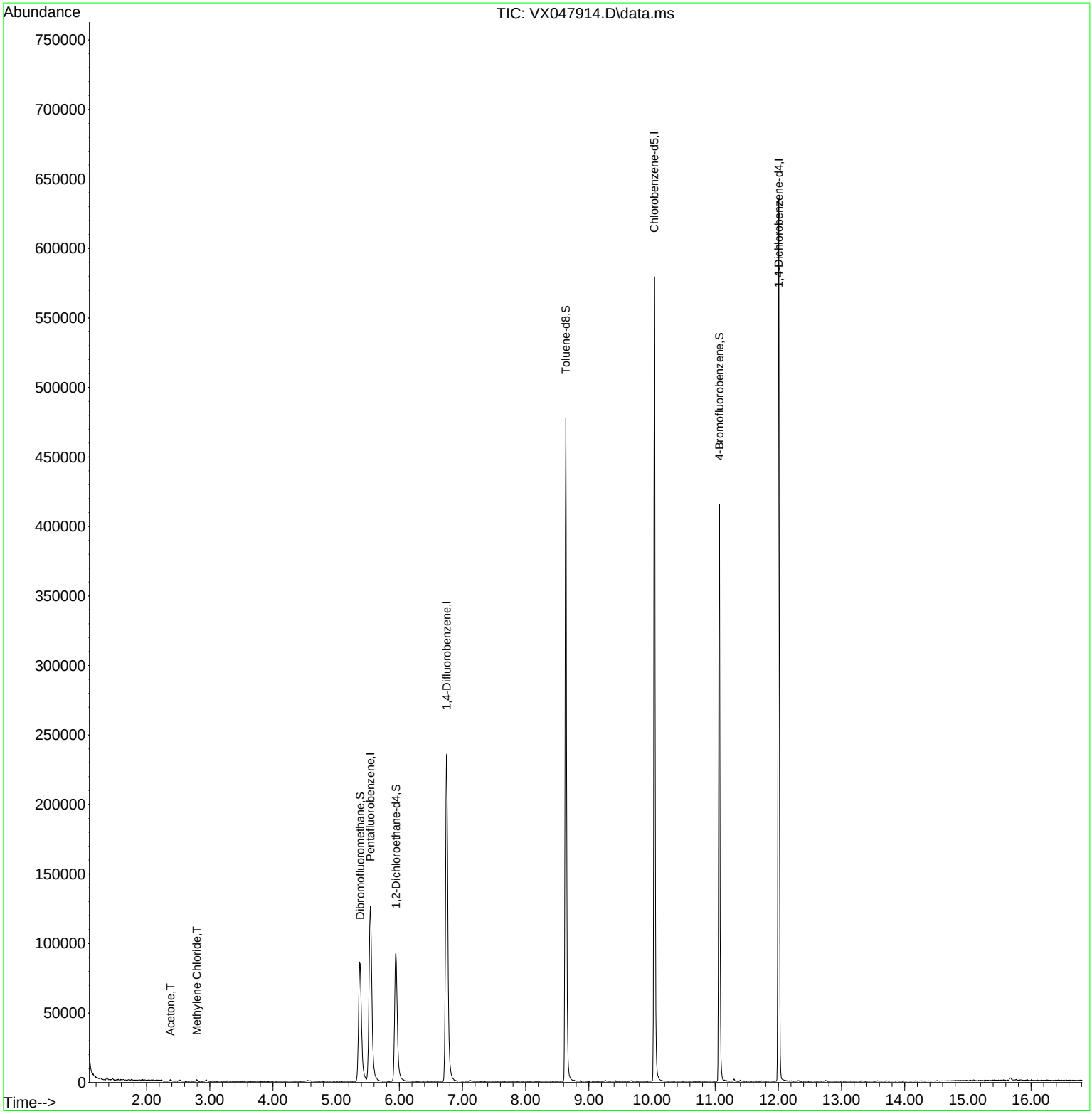
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260280	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102049	50.421	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.840%			
35) Dibromofluoromethane	5.379	113	85139	48.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.540%			
50) Toluene-d8	8.635	98	290391	48.078	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.160%			
62) 4-Bromofluorobenzene	11.067	95	122811	53.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.160%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1298	1.475	ug/l #	86
20) Methylene Chloride	2.794	84	519	0.279	ug/l #	84

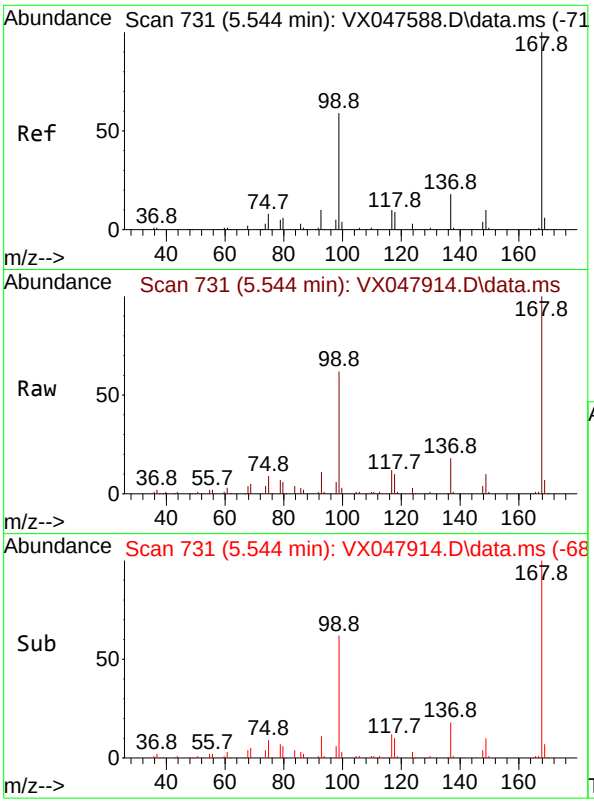
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047914.D
Acq On : 30 Sep 2025 16:21
Operator : JC/MD
Sample : Q3193-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Quant Time: Oct 01 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



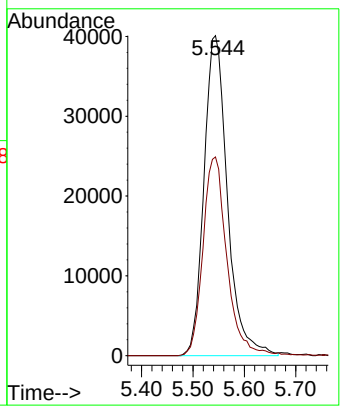


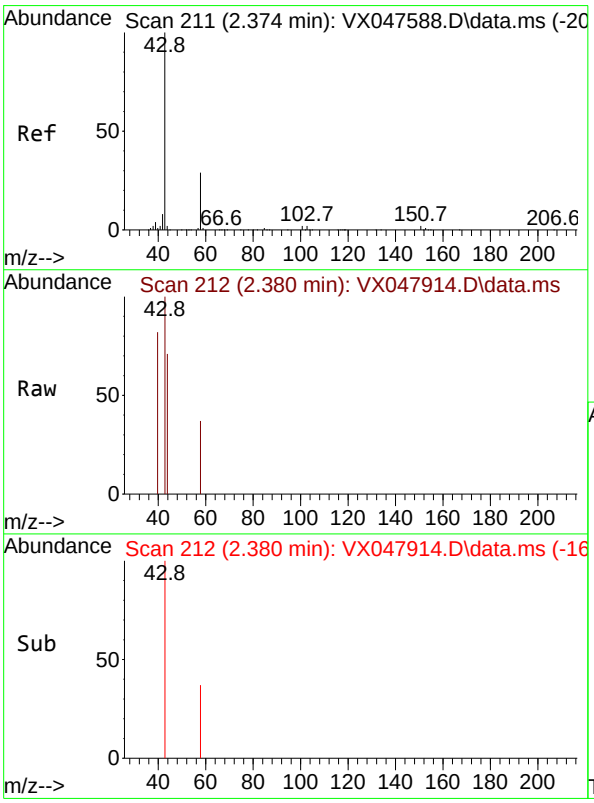
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Tgt Ion:168 Resp: 127153

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.8	73.2

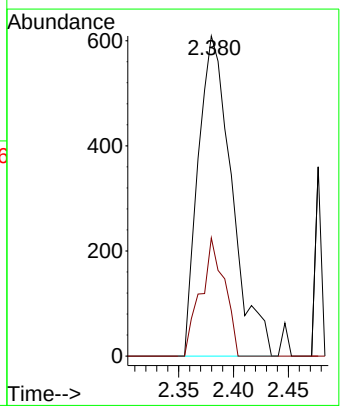


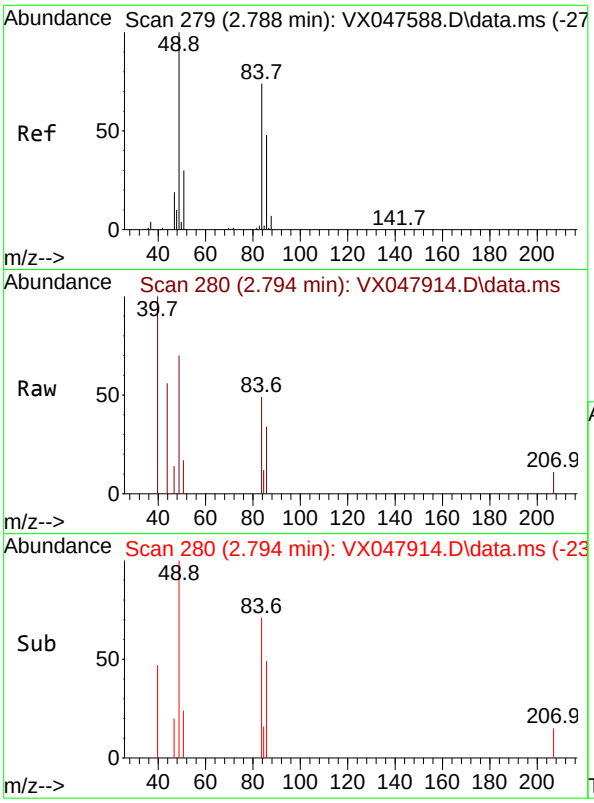


#16
Acetone
Concen: 1.475 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Tgt Ion: 43 Resp: 1298

Ion	Ratio	Lower	Upper
43	100		
58	36.9	23.4	35.0#



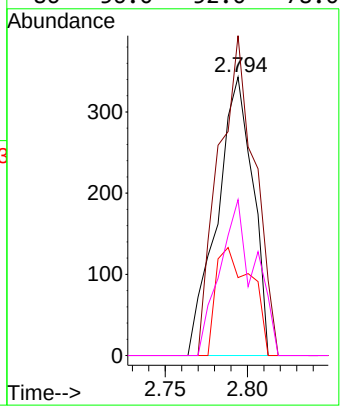


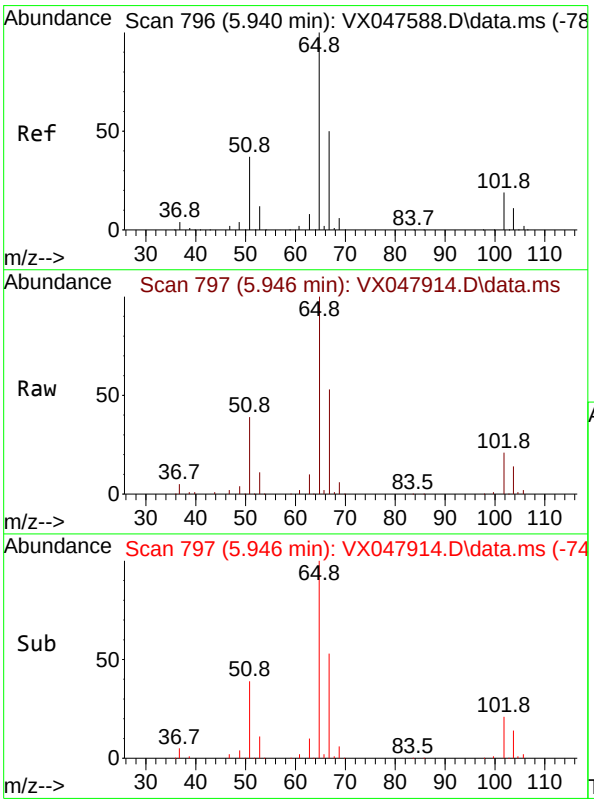
#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Tgt Ion: 84 Resp: 519

Ion	Ratio	Lower	Upper
84	100		
49	114.9	108.6	162.8
51	28.0	32.6	48.8#
86	56.0	52.0	78.0

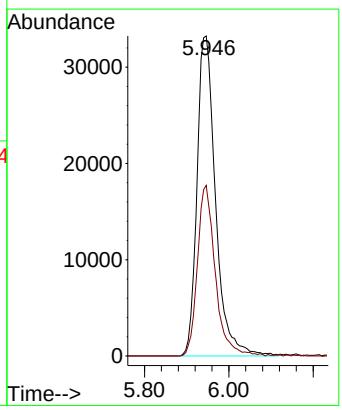


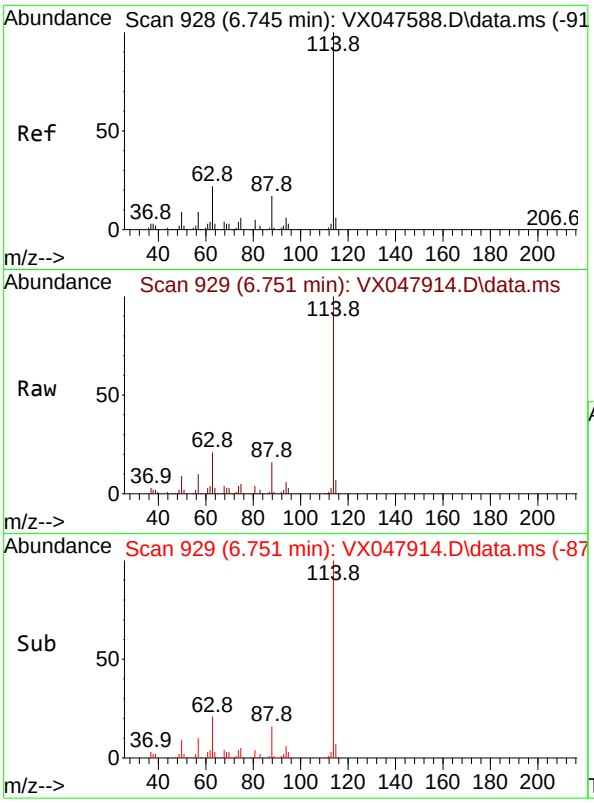


#33
1,2-Dichloroethane-d4
Concen: 50.421 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Tgt Ion: 65 Resp: 102049

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



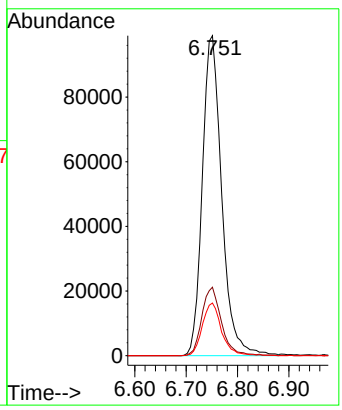


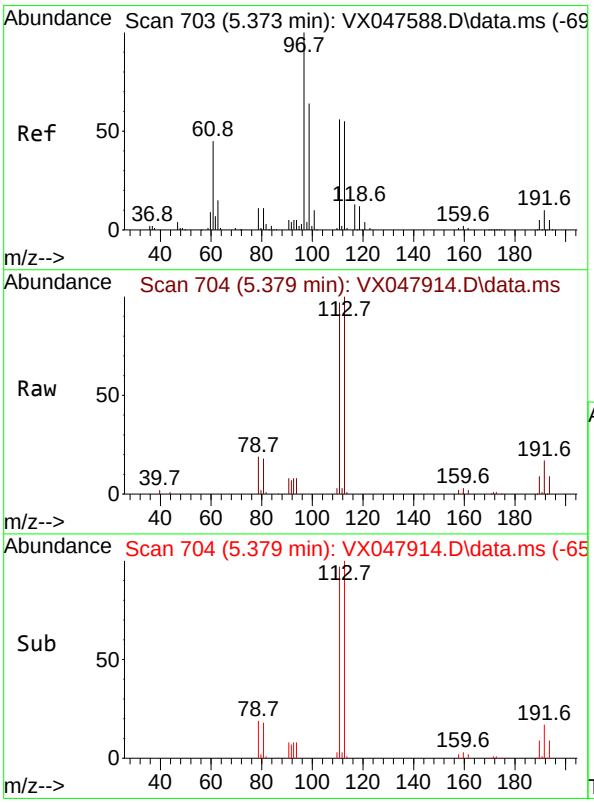
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Tgt Ion:114 Resp: 260280

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.5	0.0	34.2

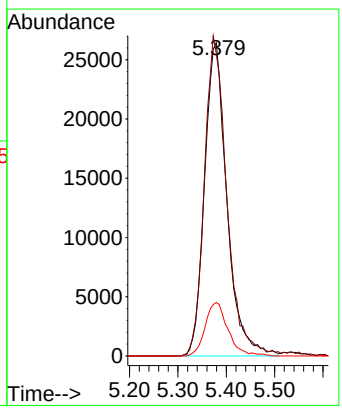


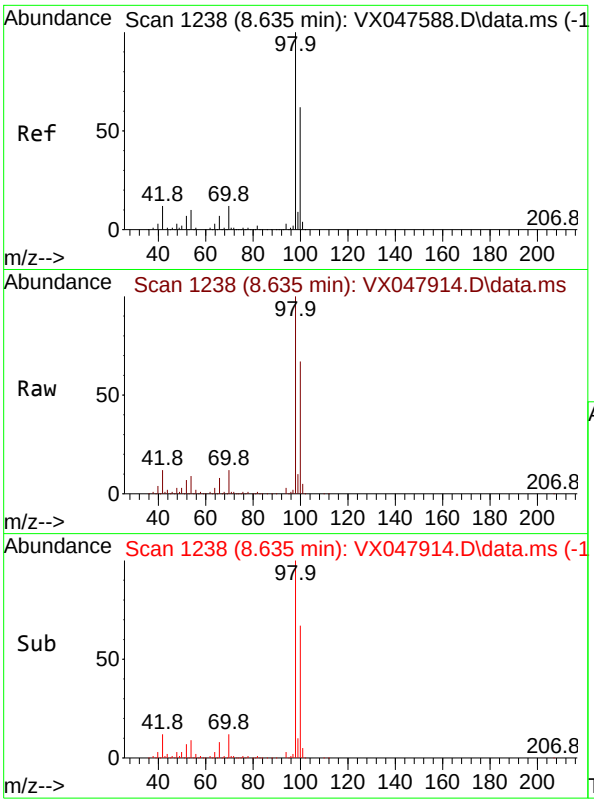


#35
Dibromofluoromethane
Concen: 48.774 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Tgt Ion:113 Resp: 85139

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.9	121.3
192	17.4	14.2	21.4



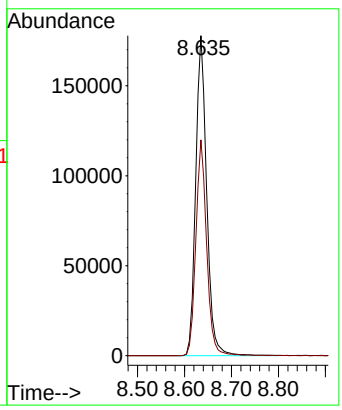


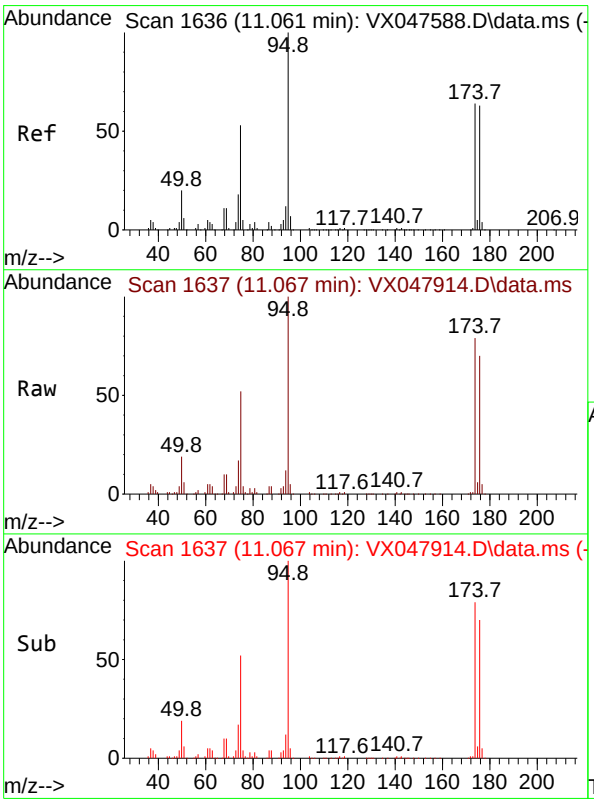
#50
Toluene-d8
Concen: 48.078 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Tgt Ion: 98 Resp: 290391

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

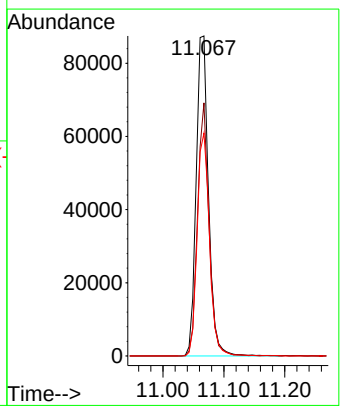


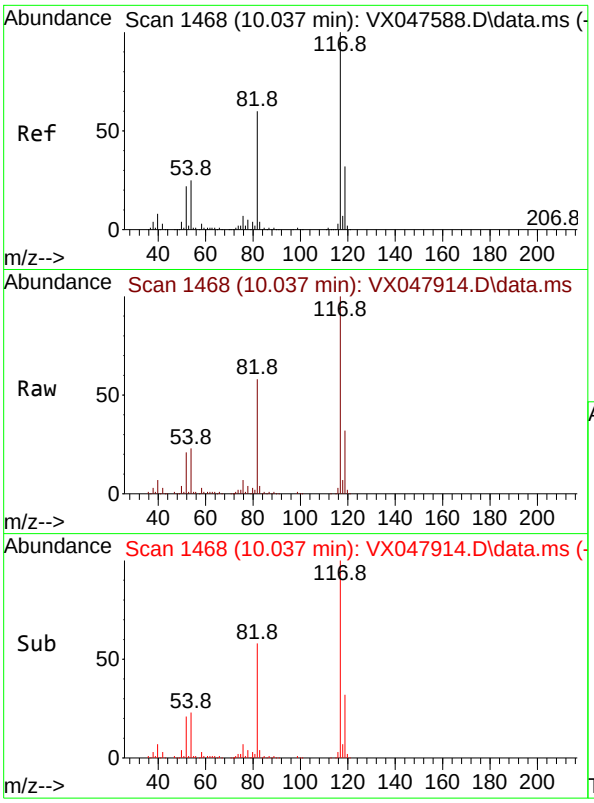


#62
4-Bromofluorobenzene
Concen: 53.575 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Tgt Ion: 95 Resp: 122811

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	141.6
176	69.5	0.0	138.4



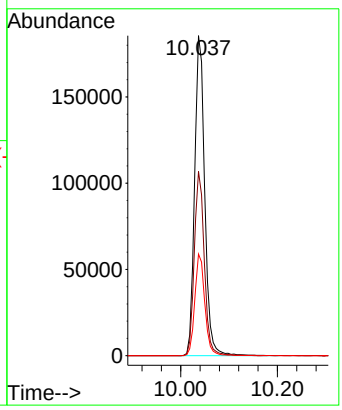


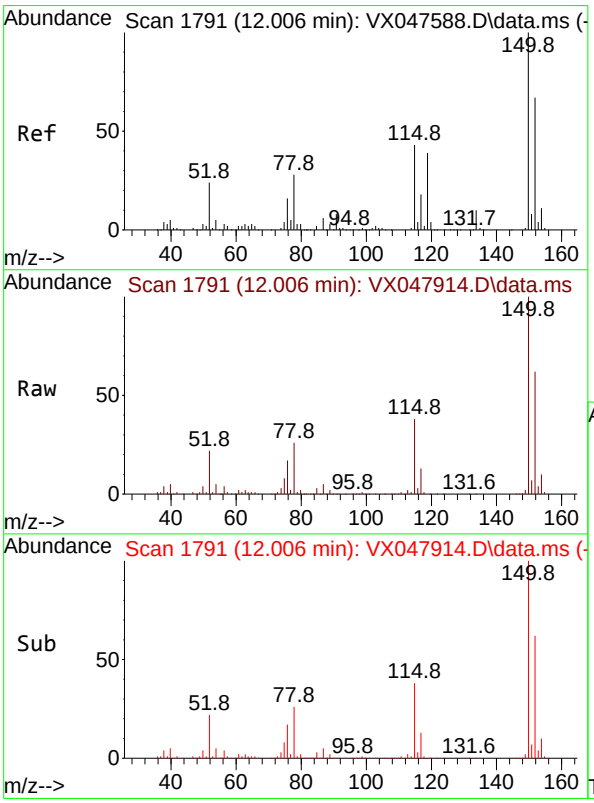
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01S-20250923

Tgt Ion:117 Resp: 268341

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	31.8	25.2	37.8

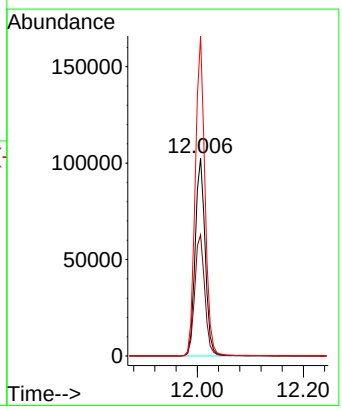




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047914.D
Acq: 30 Sep 2025 16:21

Tgt Ion:152 Resp: 134231

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.9	134.5
150	157.2	0.0	352.0



Raw Data: **VX047915.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT172S1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047915.D	1	09/30/25 16:42	VX093025

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	0.99	J	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	2.40	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	0.53	J	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	33.0		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:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT172S1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047915.D	1	09/30/25 16:42	VX093025

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	1.50		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	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.538				
540-36-3	1,4-Difluorobenzene	262000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				

Raw Data: **VX047915.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT172S1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047915.D	1	09/30/25 16:42	VX093025

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\VX093025\
Data File : VX047915.D
Acq On : 30 Sep 2025 16:42
Operator : JC/MD
Sample : Q3193-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Quant Time: Oct 01 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

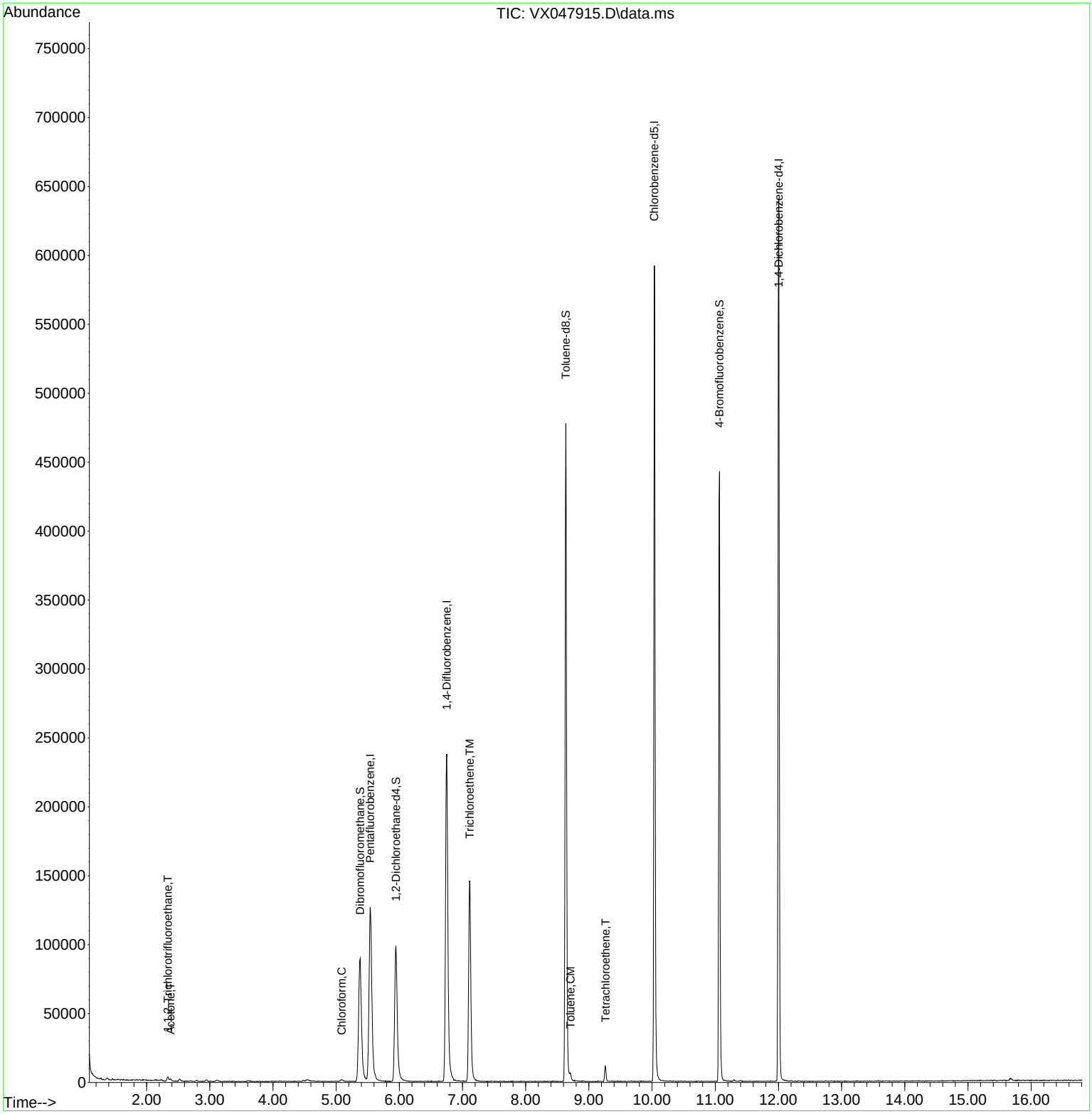
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	127218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	261544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105945	52.319	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	87443	49.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.635	98	295035	48.610	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.220%			
62) 4-Bromofluorobenzene	11.067	95	126139	54.761	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.520%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	1453	0.987	ug/l #	92
16) Acetone	2.380	43	2123	2.411	ug/l	96
30) Chloroform	5.087	83	1718	0.529	ug/l	96
44) Trichloroethene	7.117	130	62159	33.027	ug/l	94
52) Toluene	8.708	92	1566	0.327	ug/l	99
64) Tetrachloroethene	9.263	164	2570	1.463	ug/l #	76

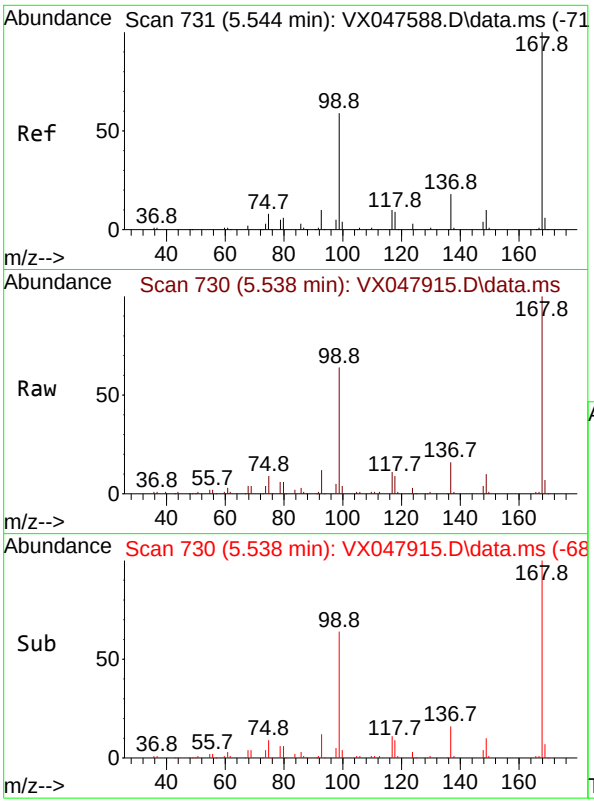
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047915.D
Acq On : 30 Sep 2025 16:42
Operator : JC/MD
Sample : Q3193-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Quant Time: Oct 01 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



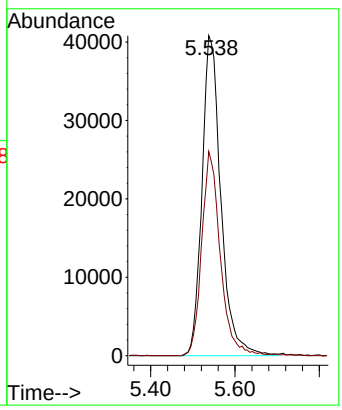


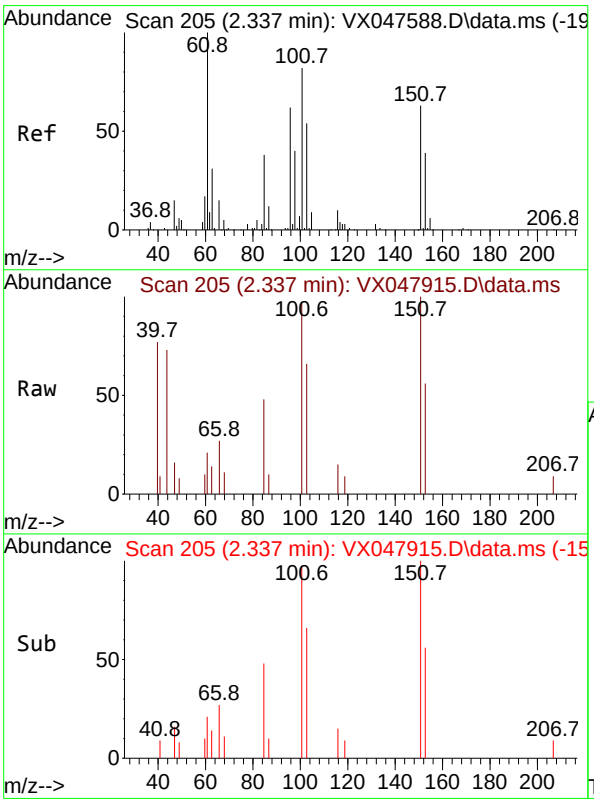
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion:168 Resp: 127218

Ion	Ratio	Lower	Upper
168	100		
99	63.8	48.8	73.2

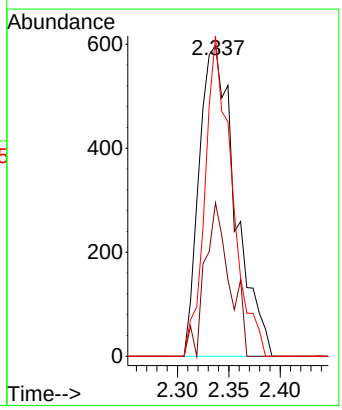


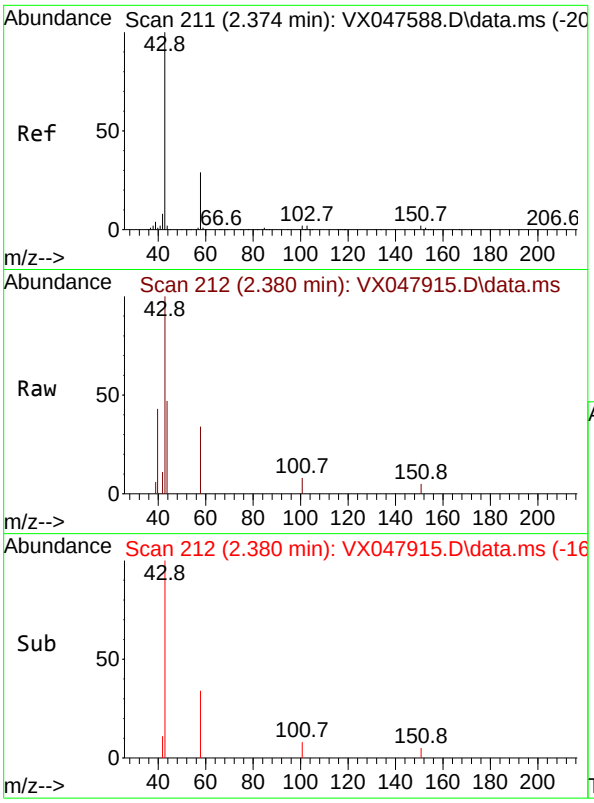


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.987 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion:101 Resp: 1453

Ion	Ratio	Lower	Upper
101	100		
85	33.9	35.5	53.3#
151	77.4	59.4	89.0



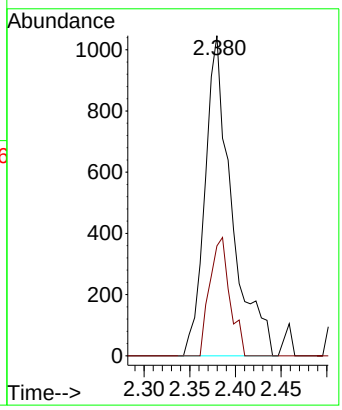


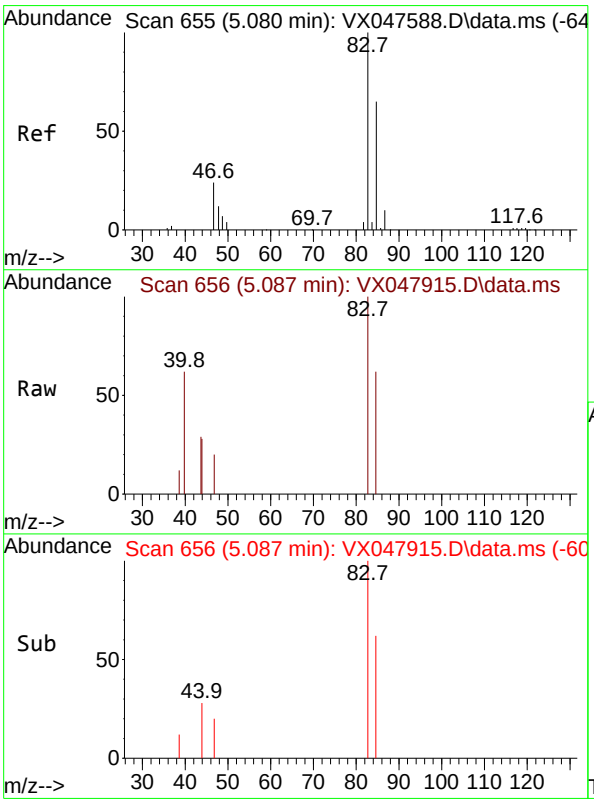
#16
Acetone
Concen: 2.411 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion: 43 Resp: 2123

Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.4	35.0

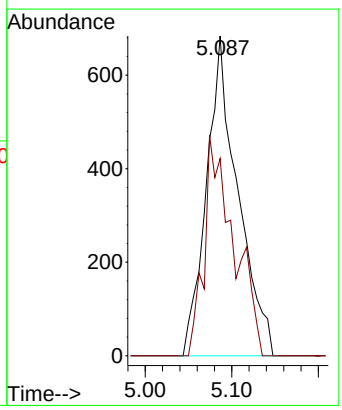


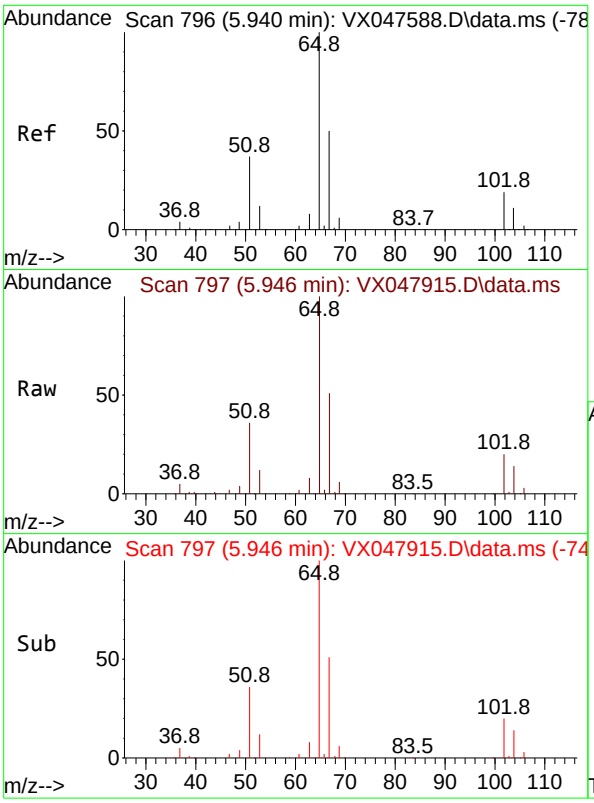


#30
Chloroform
Concen: 0.529 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion: 83 Resp: 1718

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.6



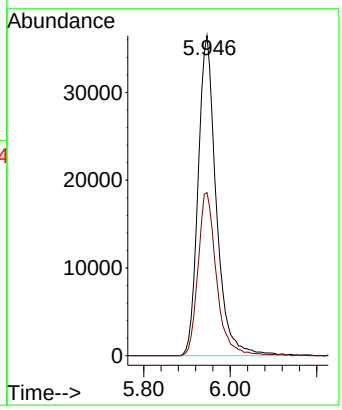


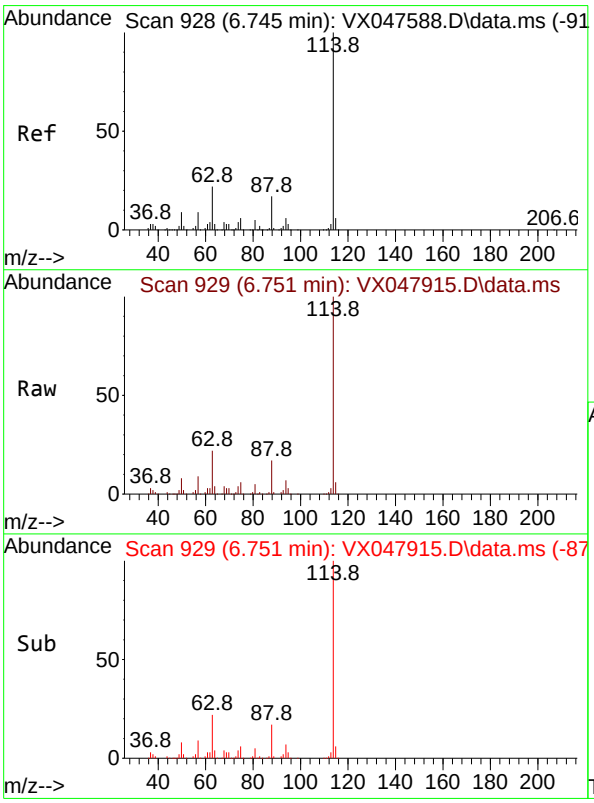
#33
1,2-Dichloroethane-d4
Concen: 52.319 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion: 65 Resp: 105945

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

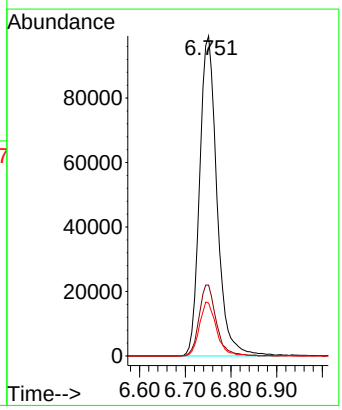


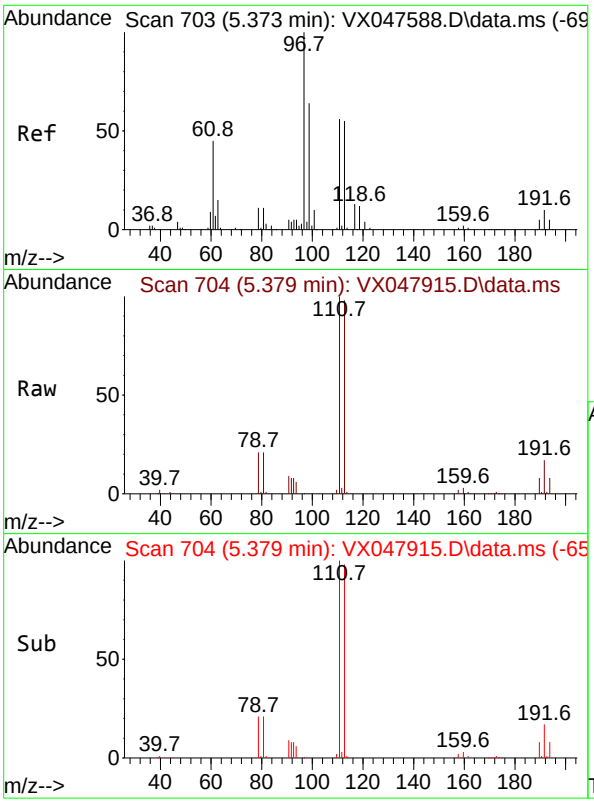


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion:114 Resp: 261544

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.6	0.0	34.2



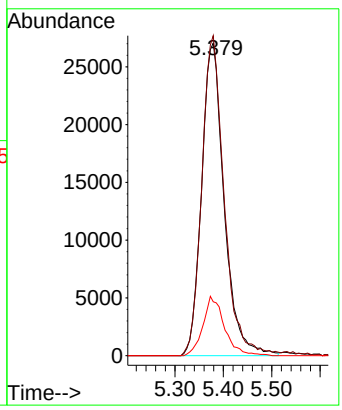


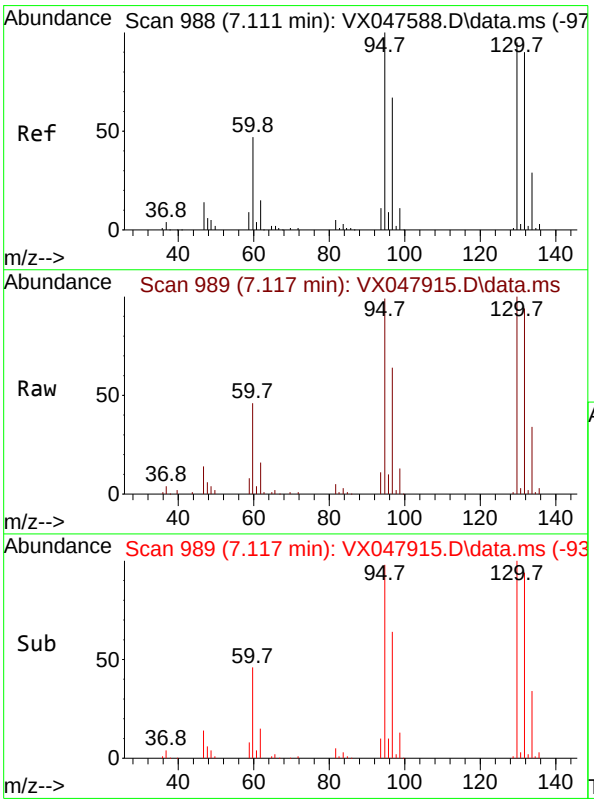
#35
Dibromofluoromethane
Concen: 49.852 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion:113 Resp: 87443

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	18.2	14.2	21.4

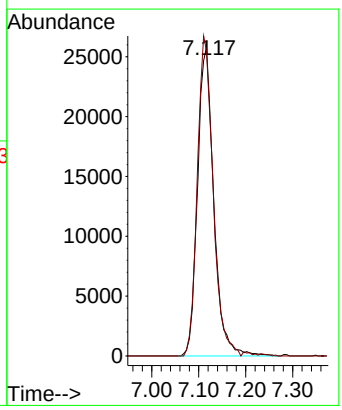


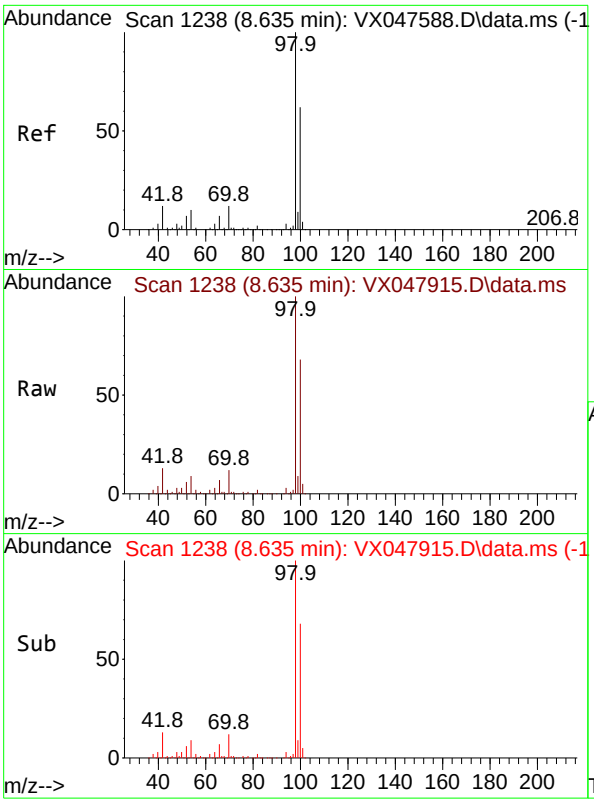


#44
Trichloroethene
Concen: 33.027 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion:130 Resp: 62159

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	210.8



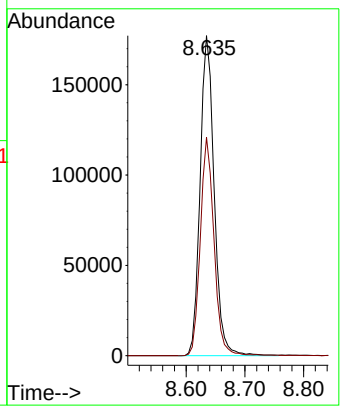


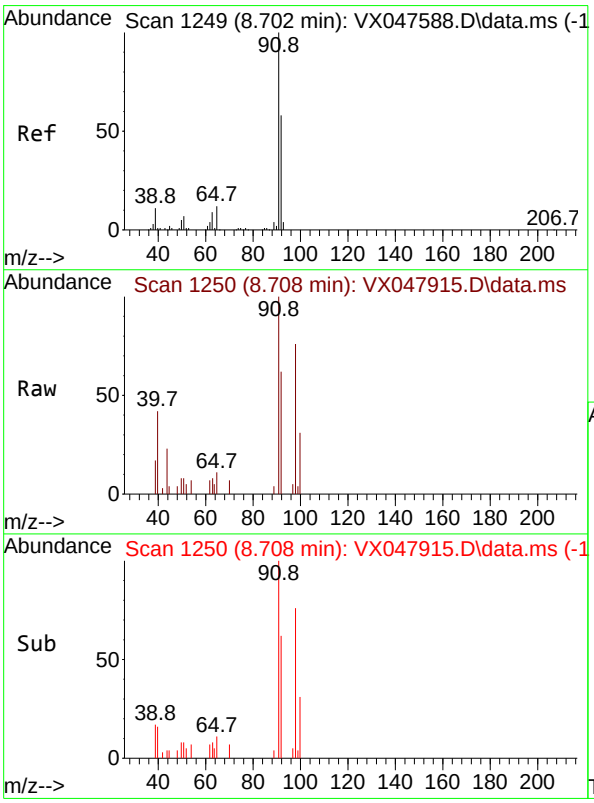
#50
Toluene-d8
Concen: 48.610 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion: 98 Resp: 295035

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

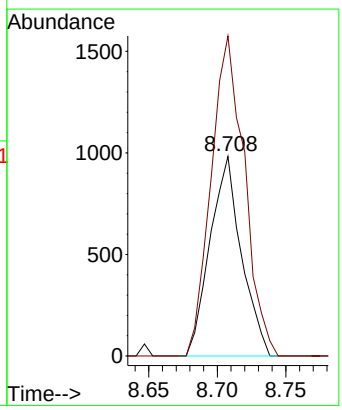


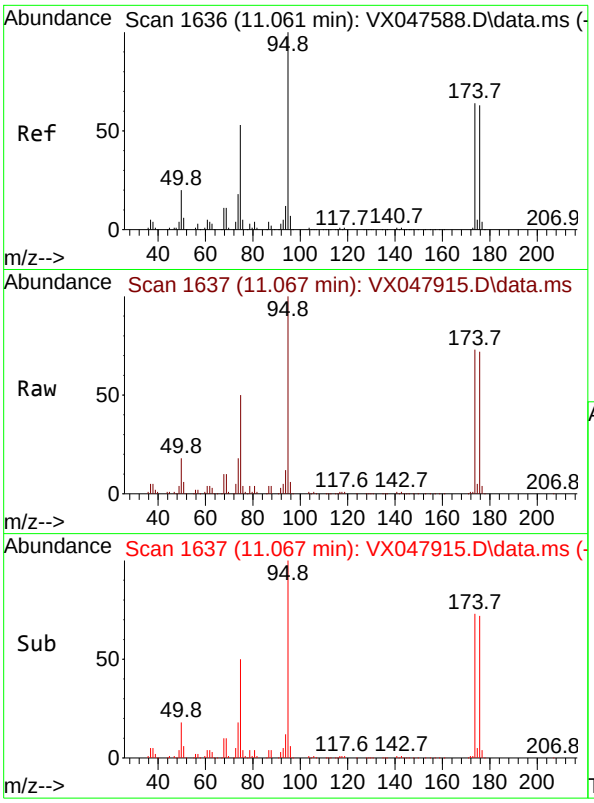


#52
Toluene
Concen: 0.327 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion: 92 Resp: 1566

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.1	205.7



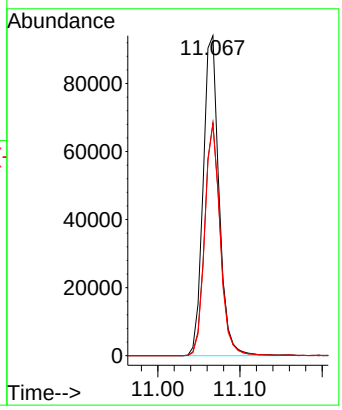


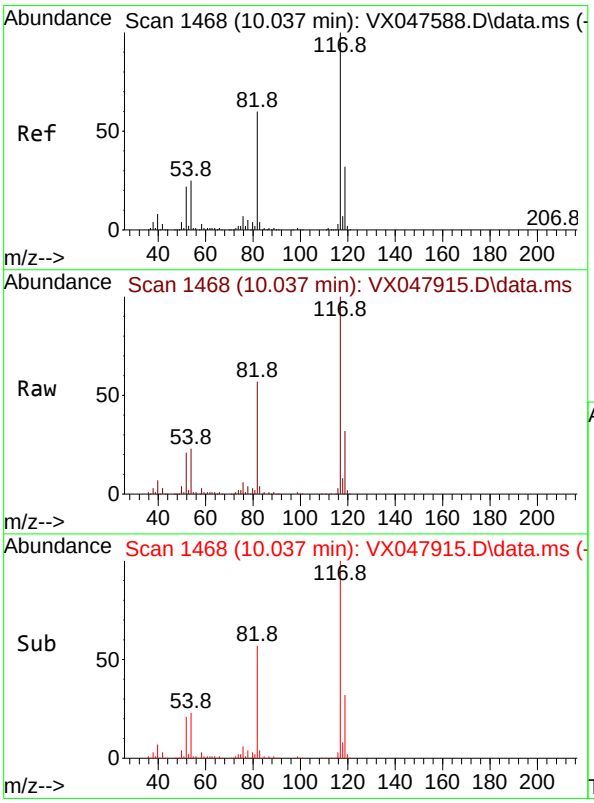
#62
4-Bromofluorobenzene
Concen: 54.761 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion: 95 Resp: 126139

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.6
176	70.1	0.0	138.4

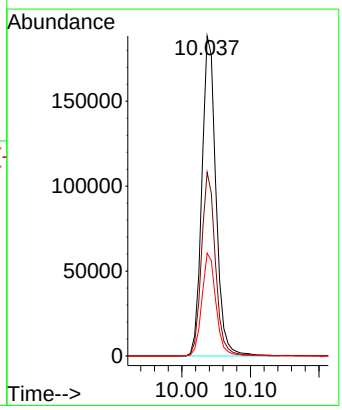


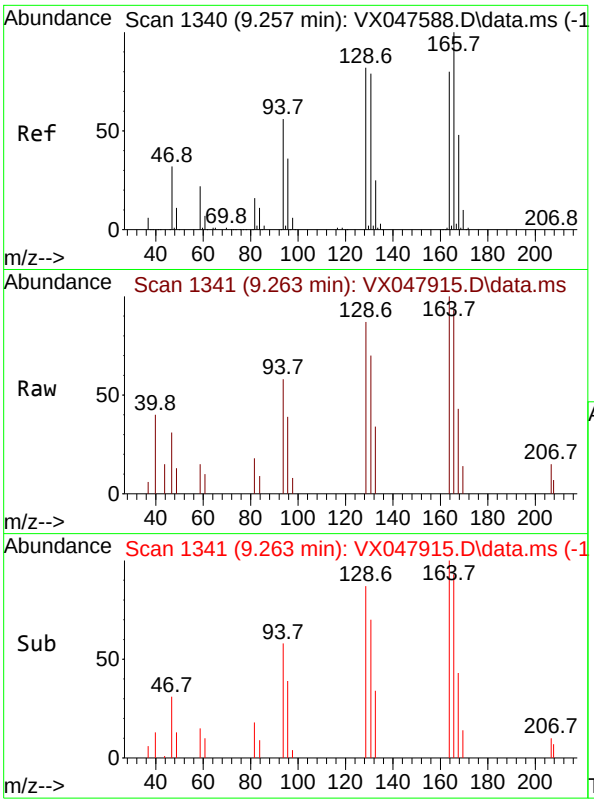


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion:117 Resp: 269532

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.6
119	32.2	25.2	37.8



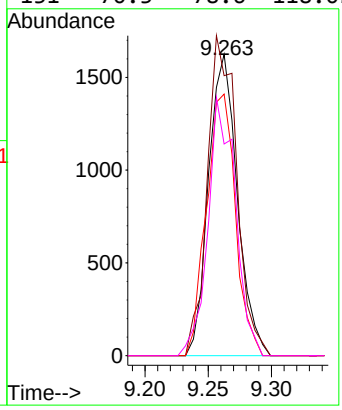


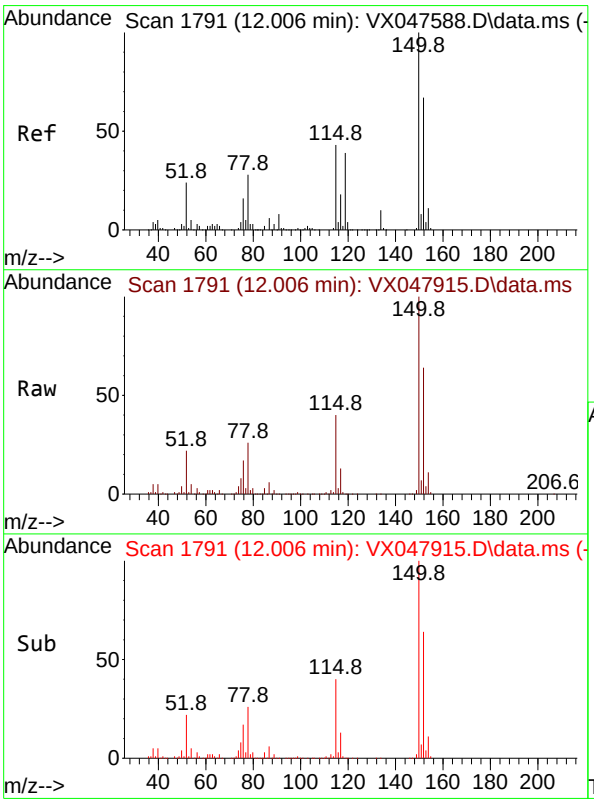
#64
Tetrachloroethene
Concen: 1.463 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20250923

Tgt Ion:164 Resp: 2570

Ion	Ratio	Lower	Upper
164	100		
166	92.9	100.2	150.2#
129	86.8	81.8	122.6
131	70.3	78.6	118.0#

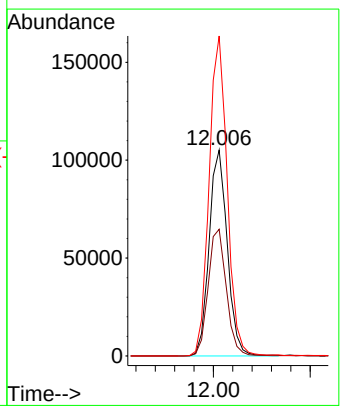




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047915.D
Acq: 30 Sep 2025 16:42

Tgt Ion:152 Resp: 137318

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	154.9	0.0	352.0



Raw Data: **VX047916.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP12-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047916.D	1	09/30/25 17:03	VX093025

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	1.70	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	0.32	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	1.30		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	2.20		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	0.44	J	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	14.0		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

Raw Data: **VX047916.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP12-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047916.D	1	09/30/25 17:03	VX093025

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	0.96	J	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	53.1		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	272000	6.751				
3114-55-4	Chlorobenzene-d5	283000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	144000	12.006				

Raw Data: **VX047916.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP12-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047916.D	1	09/30/25 17:03	VX093025

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\VX093025\
Data File : VX047916.D
Acq On : 30 Sep 2025 17:03
Operator : JC/MD
Sample : Q3193-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Quant Time: Oct 01 01:14:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

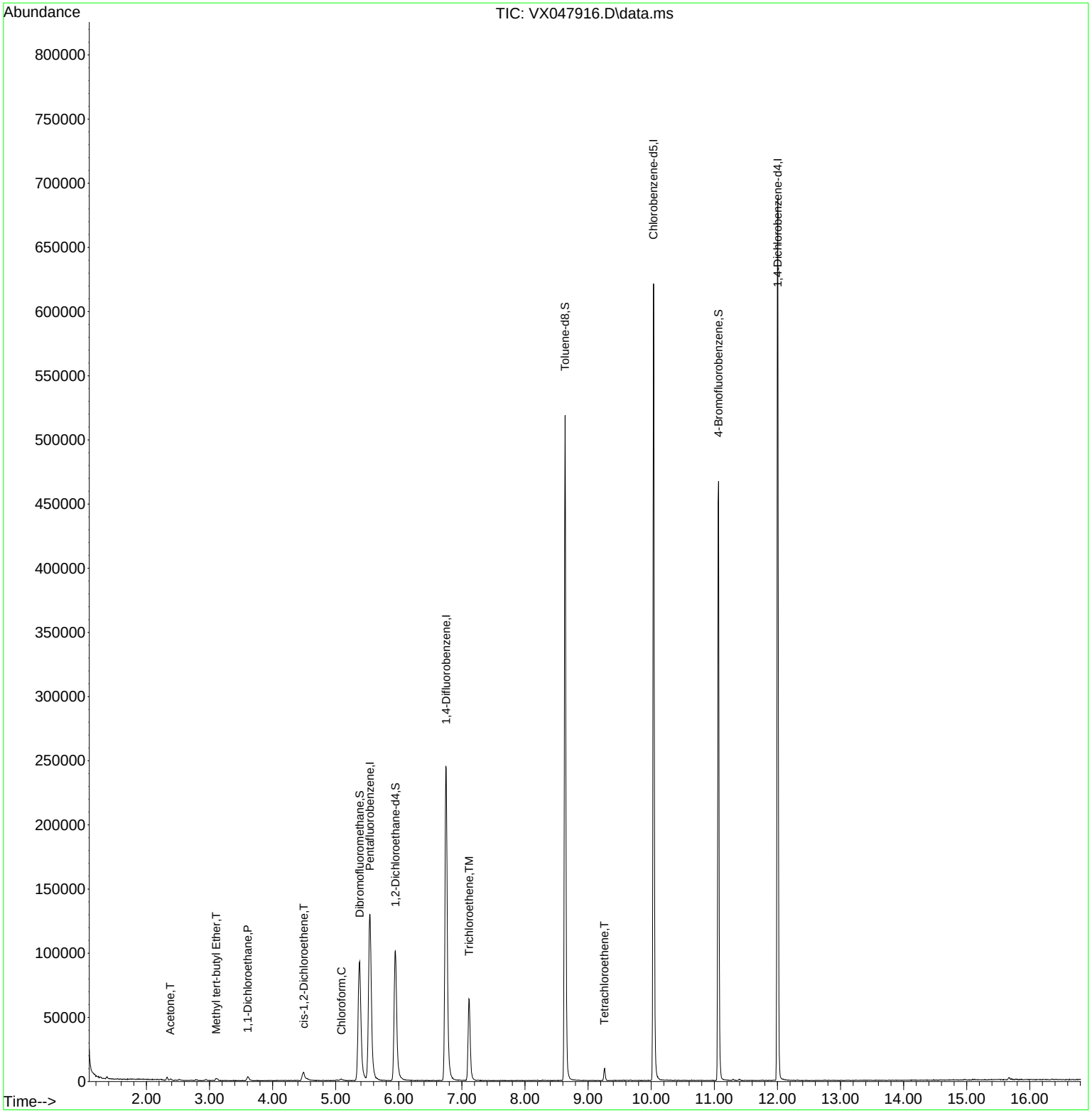
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	132206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	271875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	282976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111786	53.120	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.240%			
35) Dibromofluoromethane	5.379	113	90914	49.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.635	98	313666	49.716	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.440%			
62) 4-Bromofluorobenzene	11.067	95	134480	56.164	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.320%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1558	1.703	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	1807	0.315	ug/l #	81
24) 1,1-Dichloroethane	3.605	63	4380	1.312	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	4539	2.192	ug/l	93
30) Chloroform	5.093	83	1488	0.441	ug/l #	56
44) Trichloroethene	7.117	130	27403	14.007	ug/l	95
64) Tetrachloroethene	9.256	164	1764	0.956	ug/l	96

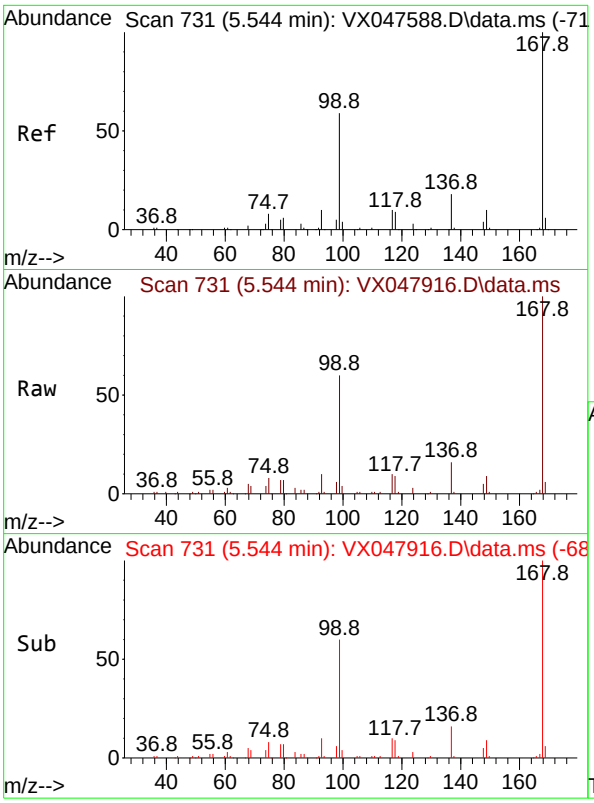
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047916.D
Acq On : 30 Sep 2025 17:03
Operator : JC/MD
Sample : Q3193-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Quant Time: Oct 01 01:14:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



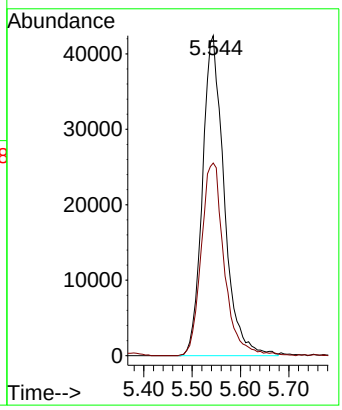


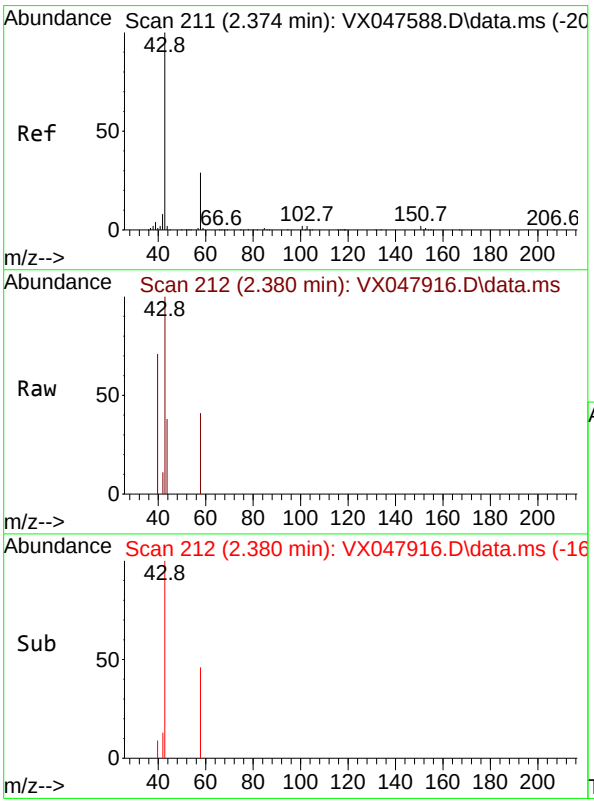
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion:168 Resp: 132206

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.8	73.2

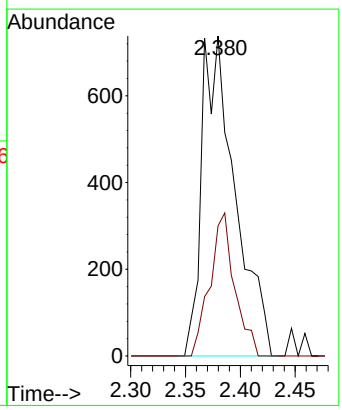


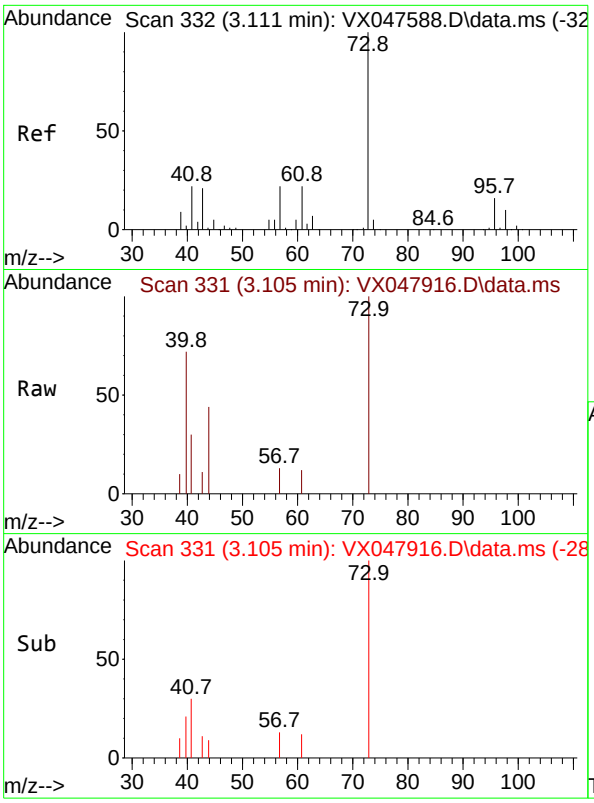


#16
Acetone
Concen: 1.703 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion: 43 Resp: 1558

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



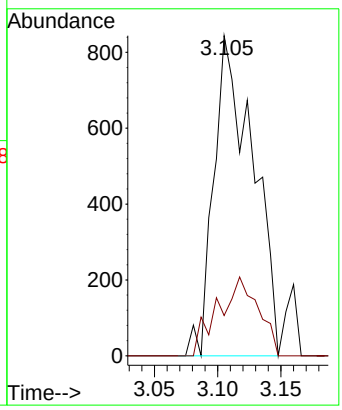


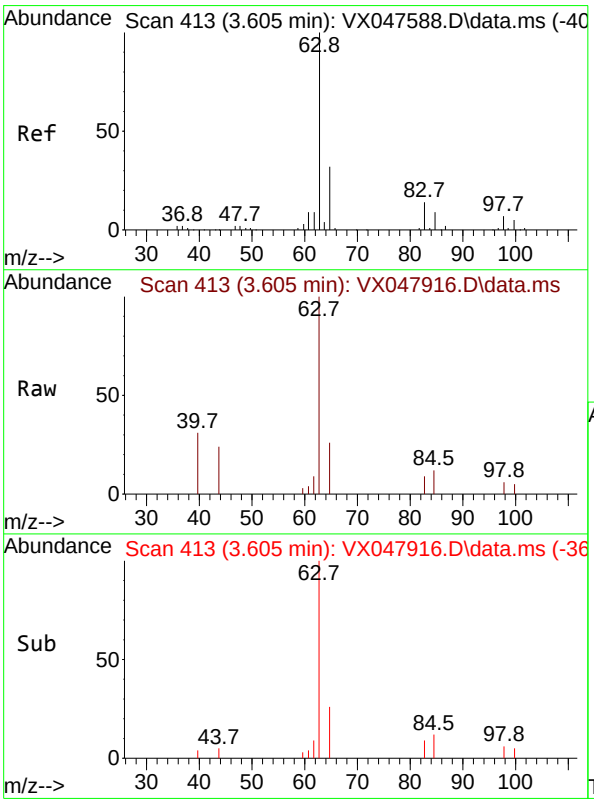
#19
Methyl tert-butyl Ether
Concen: 0.315 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion: 73 Resp: 1807

Ion	Ratio	Lower	Upper
73	100		
57	12.6	17.4	26.2#

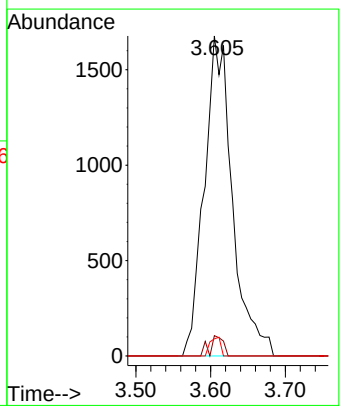


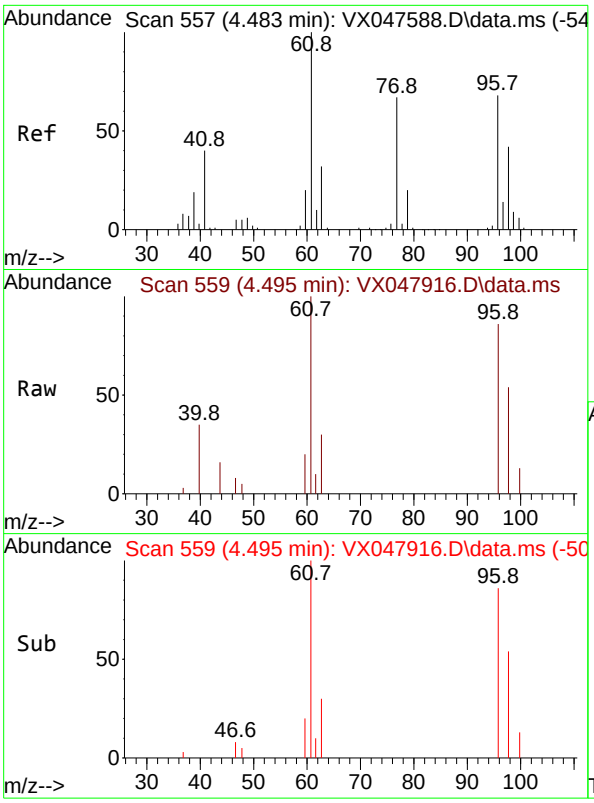


#24
1,1-Dichloroethane
Concen: 1.312 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion: 63 Resp: 4380

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.8	11.2
100	5.4	2.3	6.9



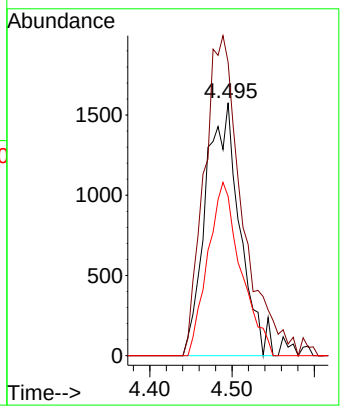


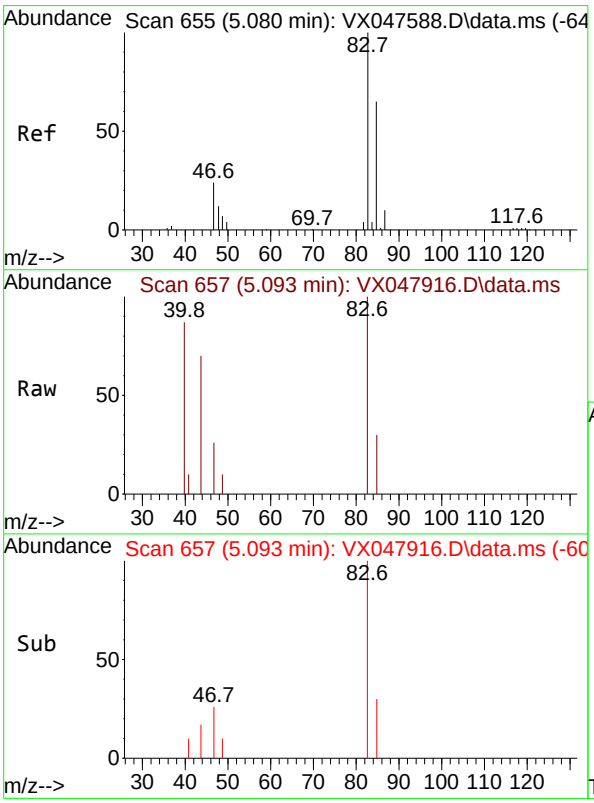
#27
cis-1,2-Dichloroethene
Concen: 2.192 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion: 96 Resp: 4539

Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	303.2
98	66.4	0.0	127.8

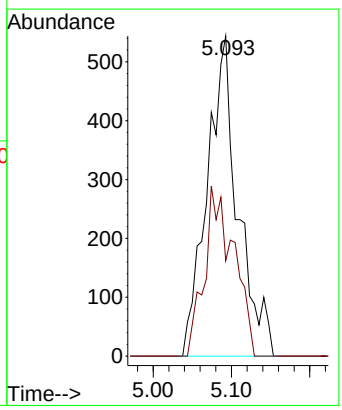


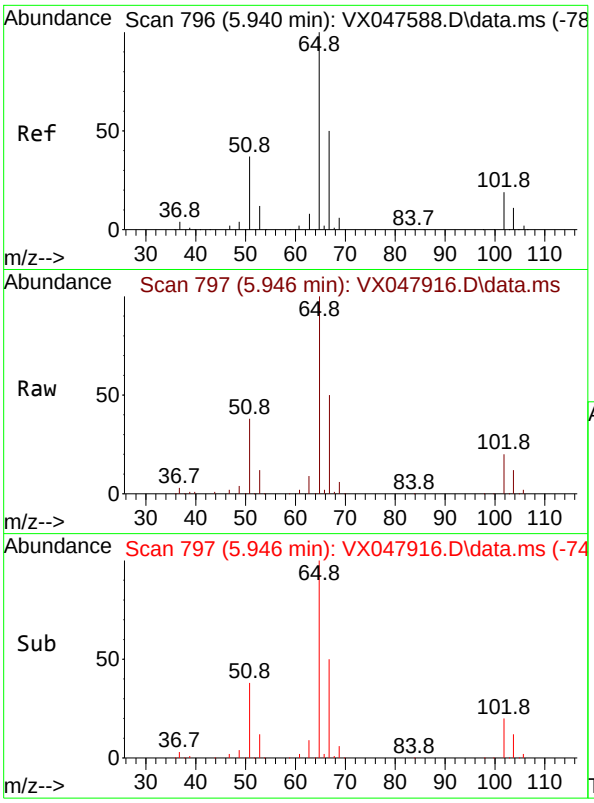


#30
Chloroform
Concen: 0.441 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion: 83 Resp: 1488

Ion	Ratio	Lower	Upper
83	100		
85	29.8	51.8	77.6#



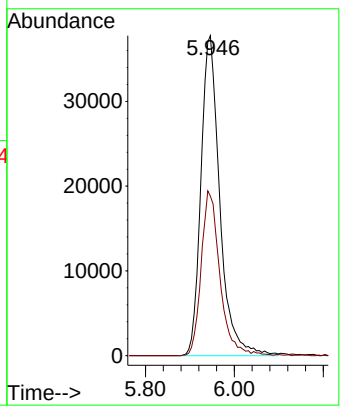


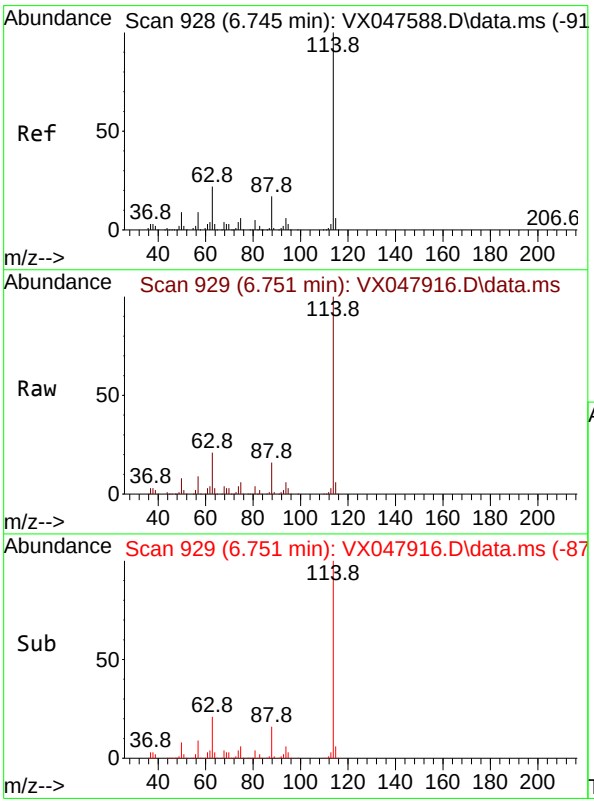
#33
1,2-Dichloroethane-d4
Concen: 53.120 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion: 65 Resp: 111786

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.0

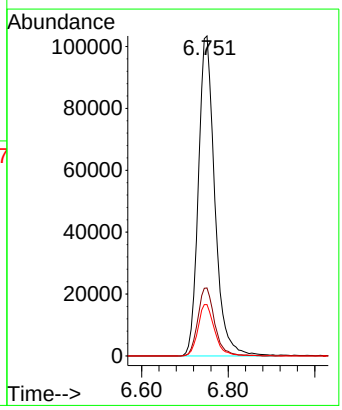


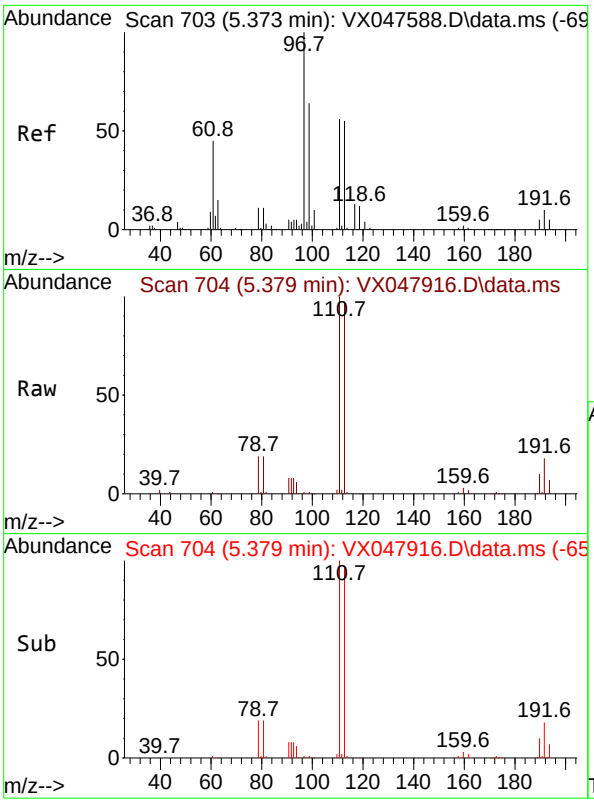


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion:114 Resp: 271875

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.0	0.0	34.2



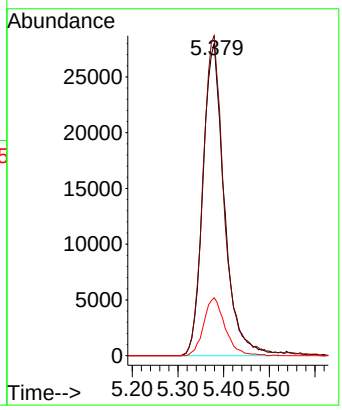


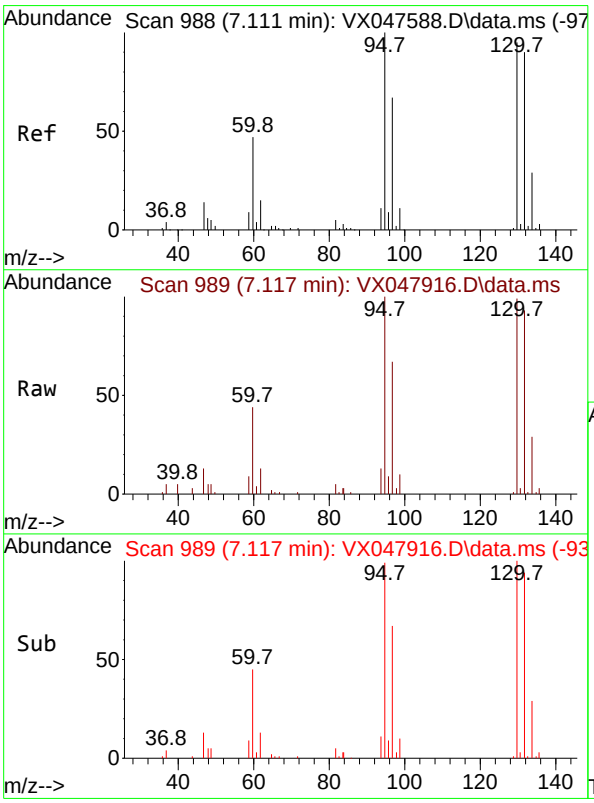
#35
Dibromofluoromethane
Concen: 49.861 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion:113 Resp: 90914

Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.9	121.3
192	18.5	14.2	21.4

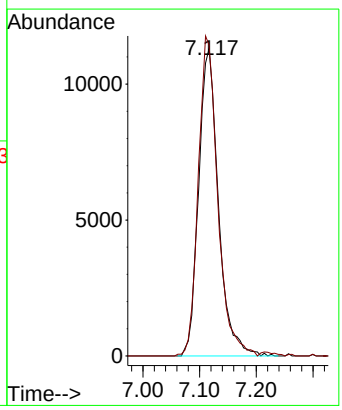


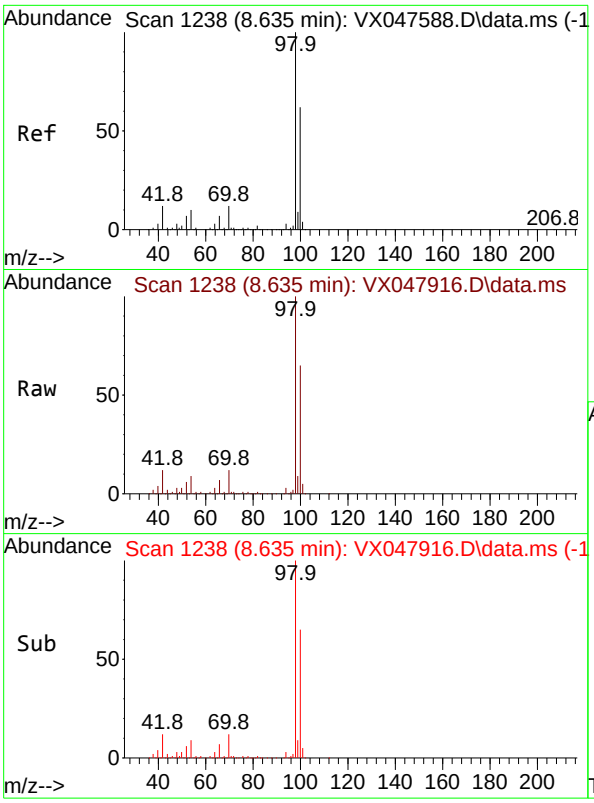


#44
Trichloroethene
Concen: 14.007 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion:130 Resp: 27403

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	210.8



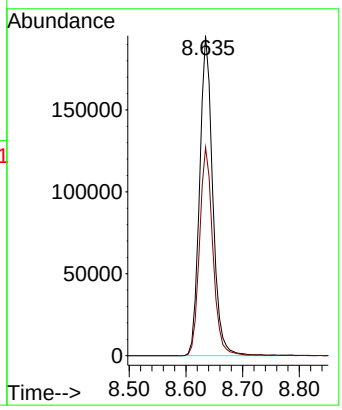


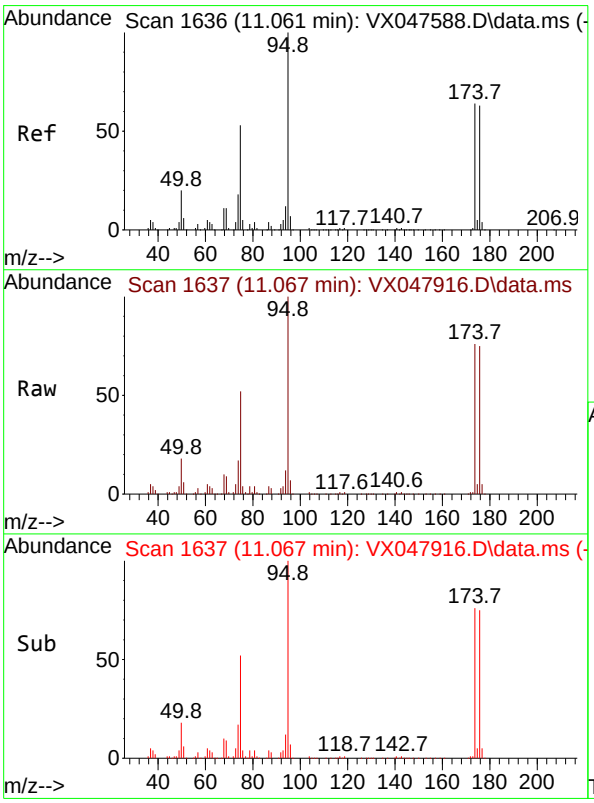
#50
Toluene-d8
Concen: 49.716 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion: 98 Resp: 313666

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

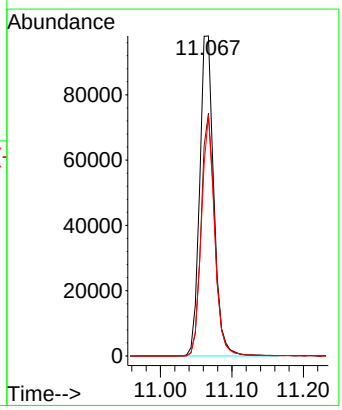


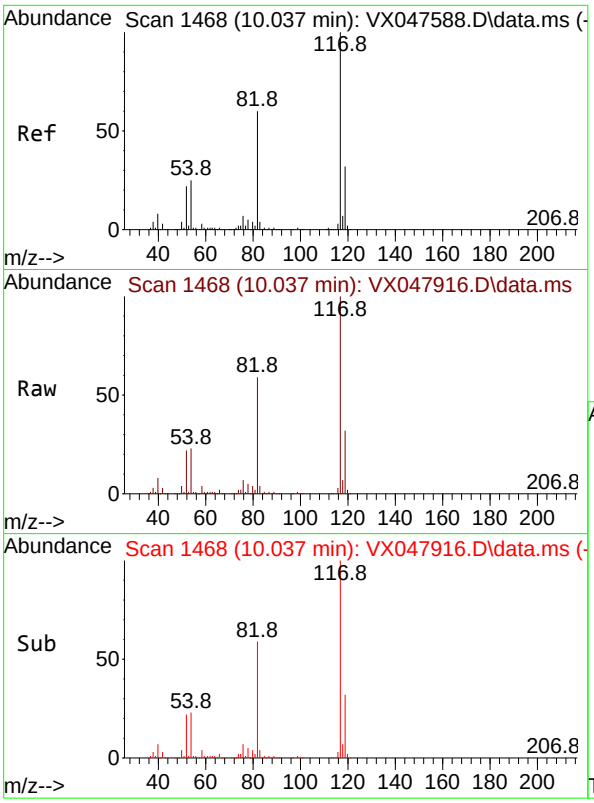


#62
4-Bromofluorobenzene
Concen: 56.164 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion: 95 Resp: 134480

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.6
176	70.7	0.0	138.4



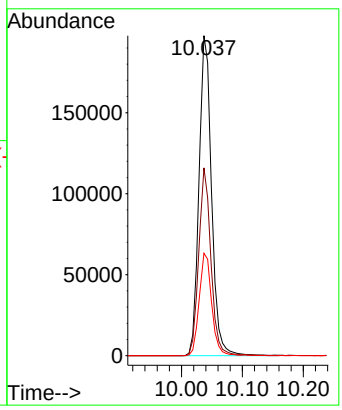


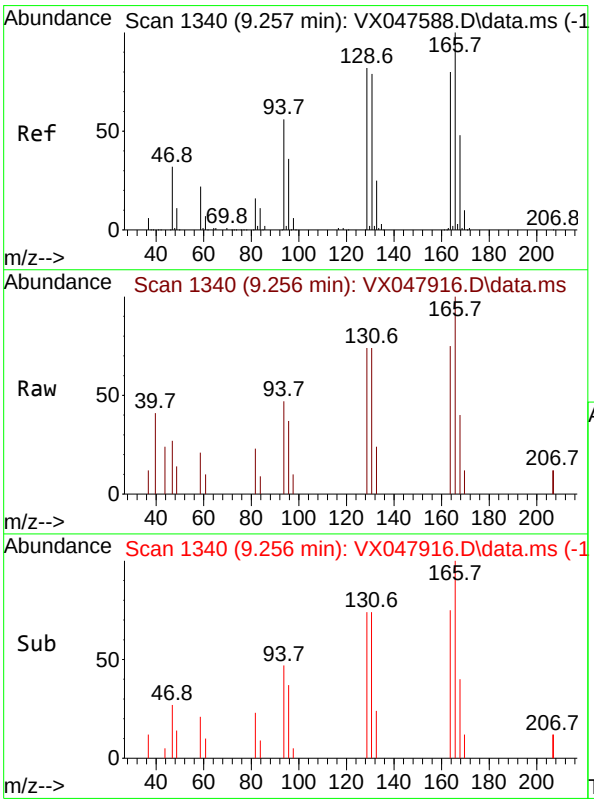
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion:117 Resp: 282976

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	32.0	25.2	37.8

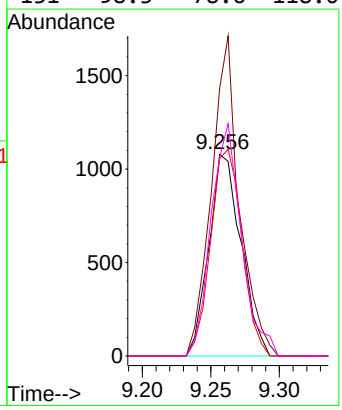


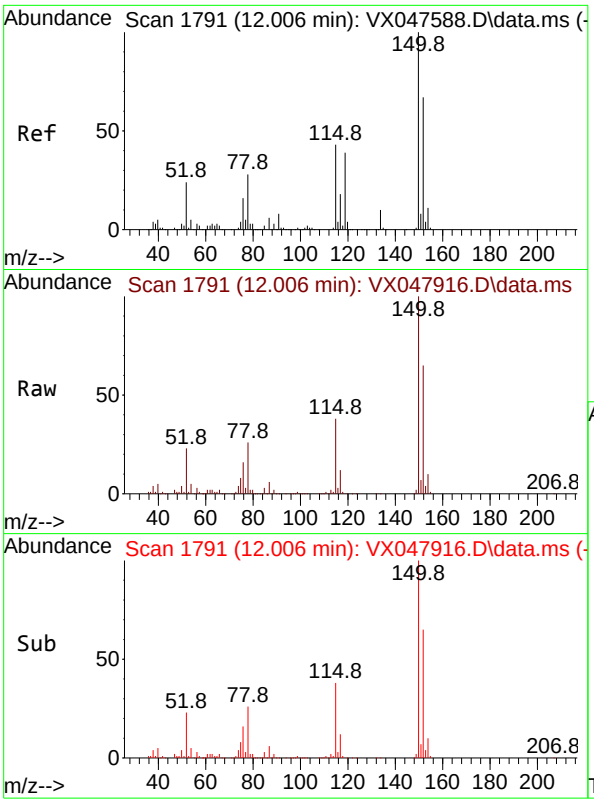


#64
Tetrachloroethene
Concen: 0.956 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Tgt Ion:164 Resp: 1764

Ion	Ratio	Lower	Upper
164	100		
166	132.7	100.2	150.2
129	97.9	81.8	122.6
131	98.3	78.6	118.0



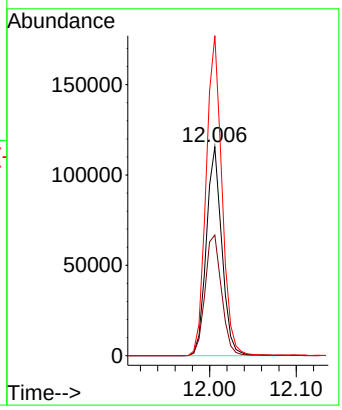


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047916.D
Acq: 30 Sep 2025 17:03

Instrument :
MSVOA_X
ClientSampleId :
DUP12-20250923

Tgt Ion:152 Resp: 144063

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.9	134.5
150	156.0	0.0	352.0



Raw Data: **VX047917.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047917.D	1	09/30/25 17:24	VX093025

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	2.40	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

Raw Data: **VX047917.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047917.D	1	09/30/25 17:24	VX093025

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	51.8		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	253000	6.745				
3114-55-4	Chlorobenzene-d5	262000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	129000	12.006				

Raw Data: **VX047917.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10A-MW01S-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047917.D	1	09/30/25 17:24	VX093025

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

Sample Results: **VX047917.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047917.D
Acq On : 30 Sep 2025 17:24
Operator : JC/MD
Sample : Q3193-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Quant Time: Oct 01 01:14:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

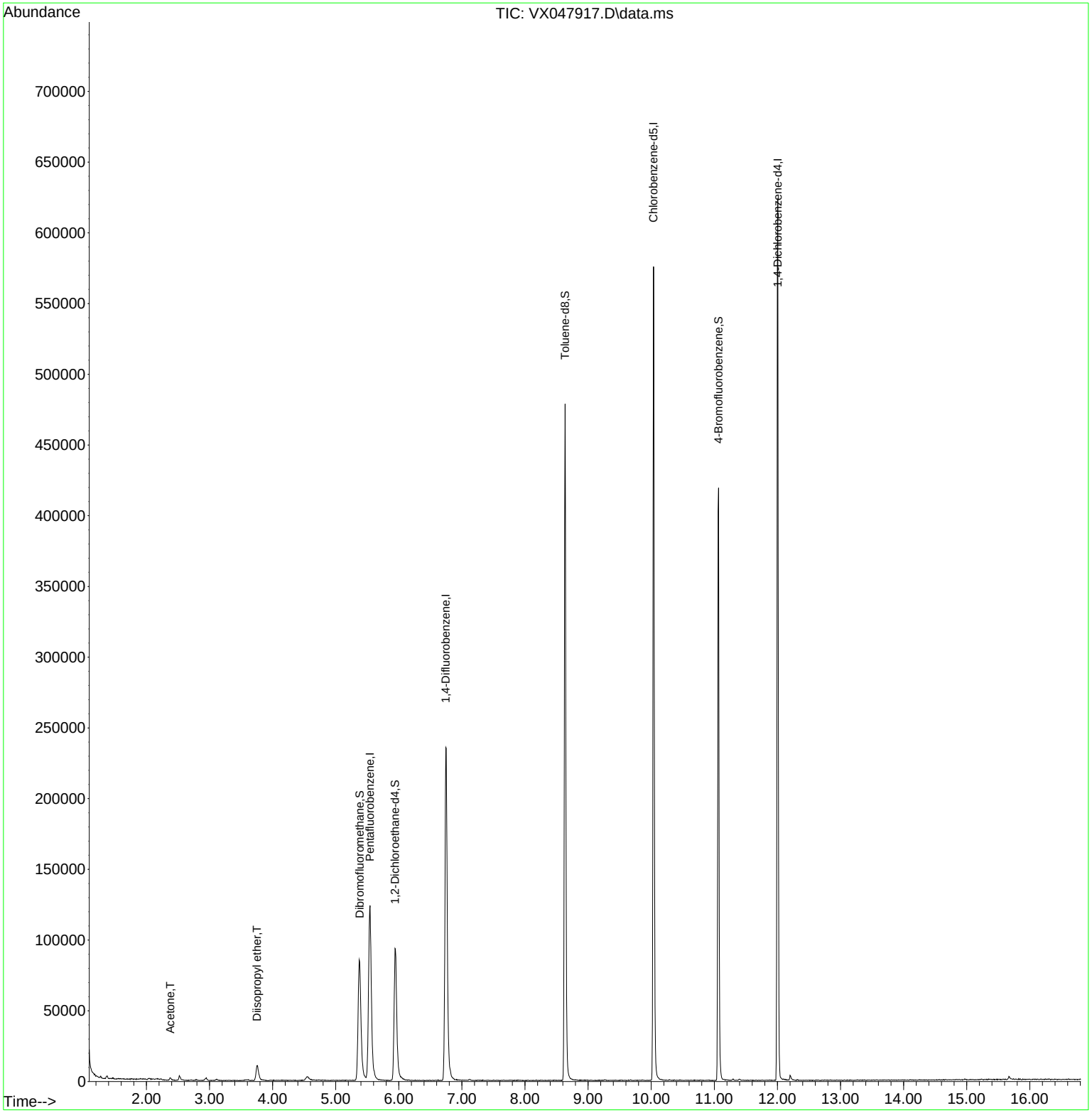
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	123892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	253037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	128891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102125	51.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.580%			
35) Dibromofluoromethane	5.379	113	85539	50.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	8.635	98	290511	49.474	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.067	95	122391	54.920	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.840%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2079	2.425	ug/l	90
22) Diisopropyl ether	3.751	45	12694	2.156	ug/l #	58

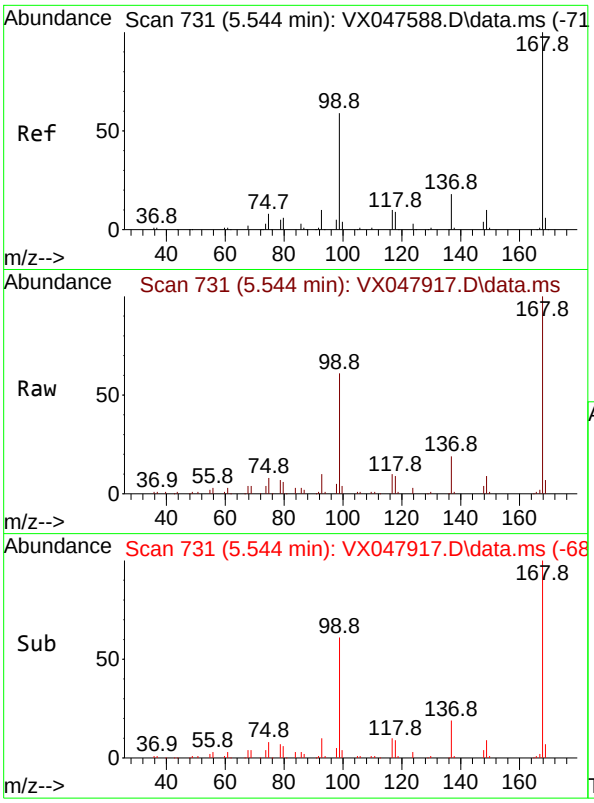
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047917.D
Acq On : 30 Sep 2025 17:24
Operator : JC/MD
Sample : Q3193-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Quant Time: Oct 01 01:14:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



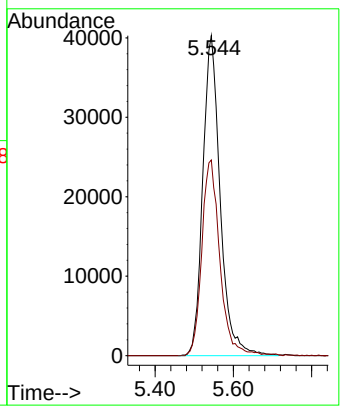


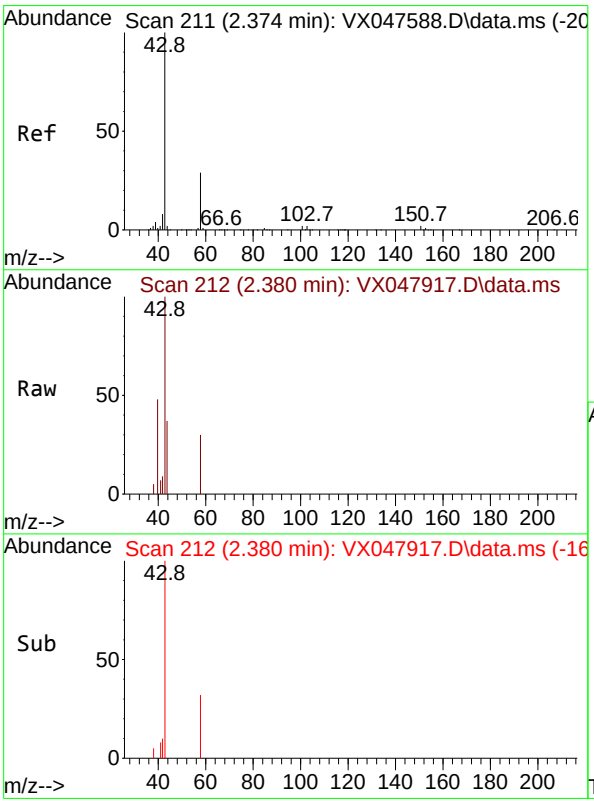
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Tgt Ion:168 Resp: 123892

Ion	Ratio	Lower	Upper
168	100		
99	61.2	48.8	73.2

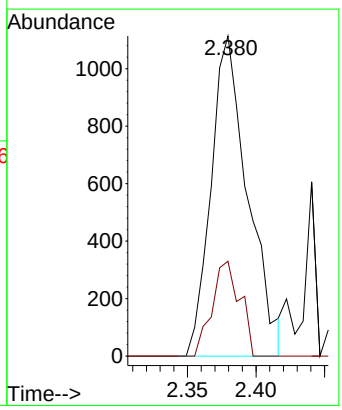


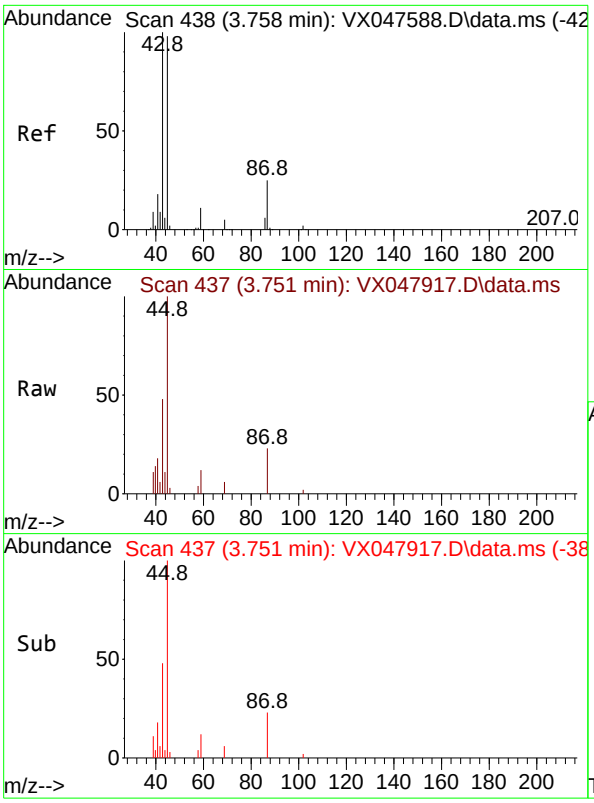


#16
Acetone
Concen: 2.425 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Tgt Ion: 43 Resp: 2079

Ion	Ratio	Lower	Upper
43	100		
58	23.7	23.4	35.0



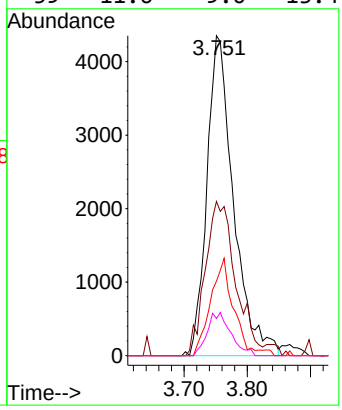


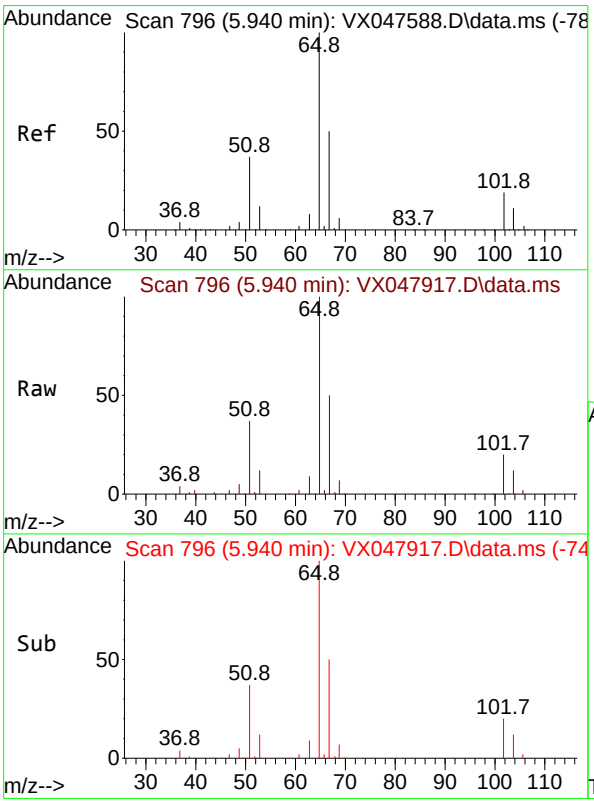
#22
Diisopropyl ether
Concen: 2.156 ug/l
RT: 3.751 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Tgt Ion: 45 Resp: 12694

Ion	Ratio	Lower	Upper
45	100		
43	45.3	81.0	121.4#
87	23.2	20.3	30.5
59	11.6	9.0	13.4

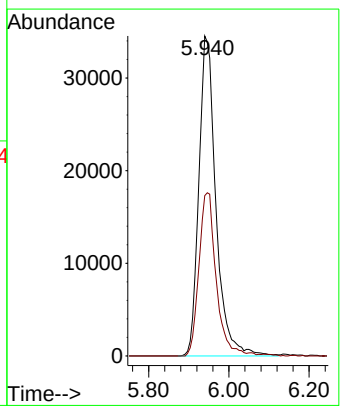


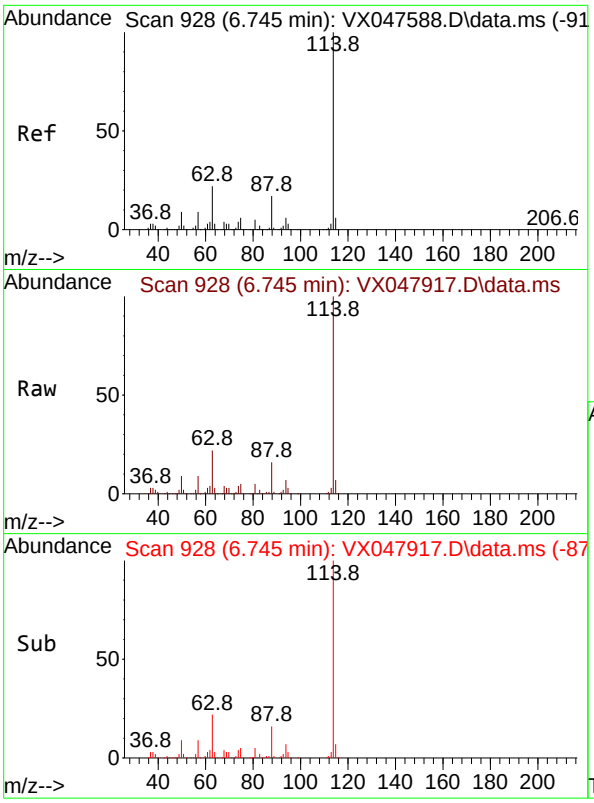


#33
1,2-Dichloroethane-d4
Concen: 51.786 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Tgt Ion: 65 Resp: 102125

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



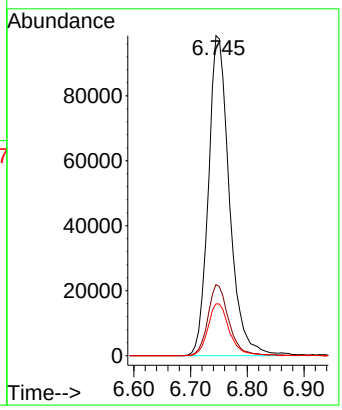


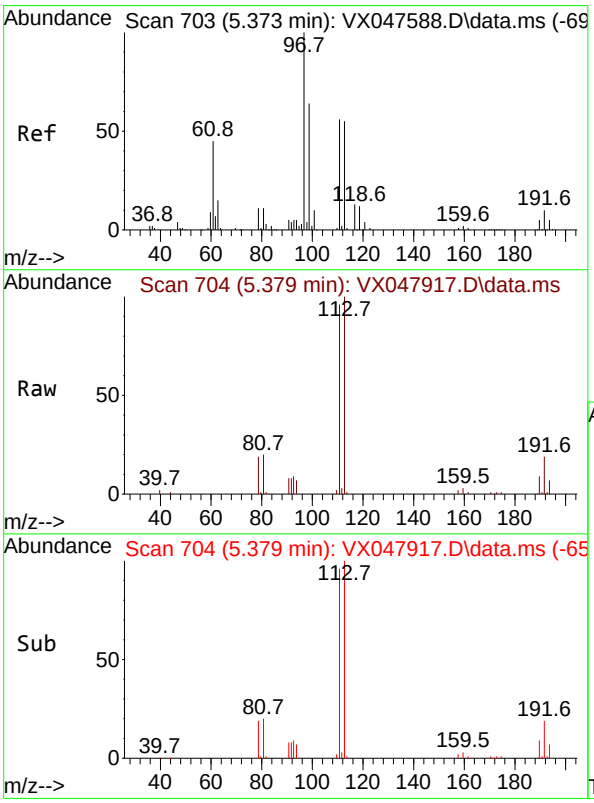
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Tgt Ion:114 Resp: 253037

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.2	0.0	34.2

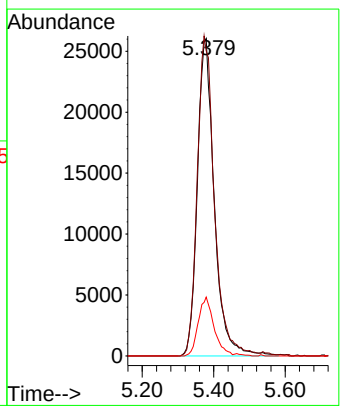


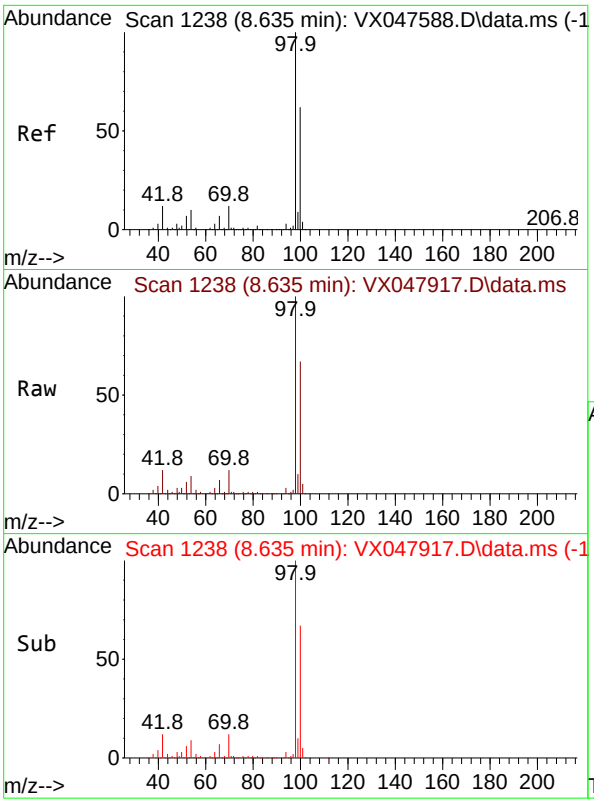


#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Tgt Ion:113 Resp: 85539

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	17.3	14.2	21.4



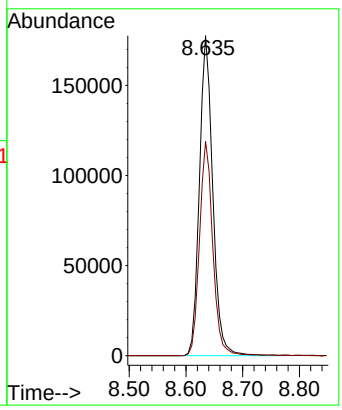


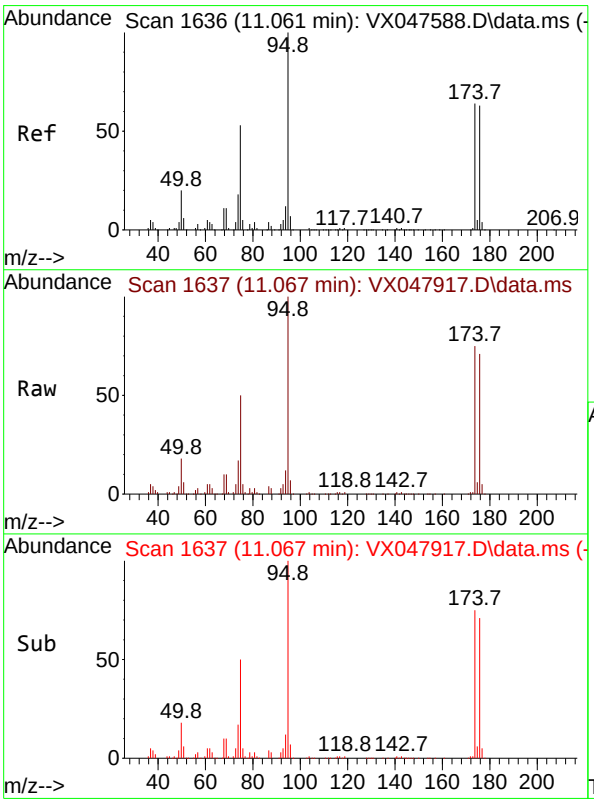
#50
Toluene-d8
Concen: 49.474 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Tgt Ion: 98 Resp: 290511

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

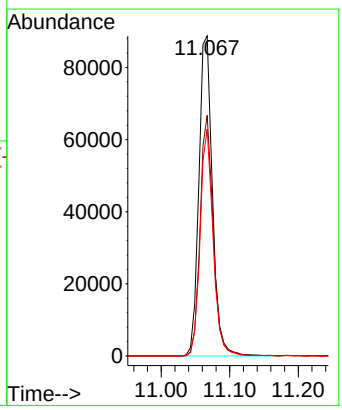


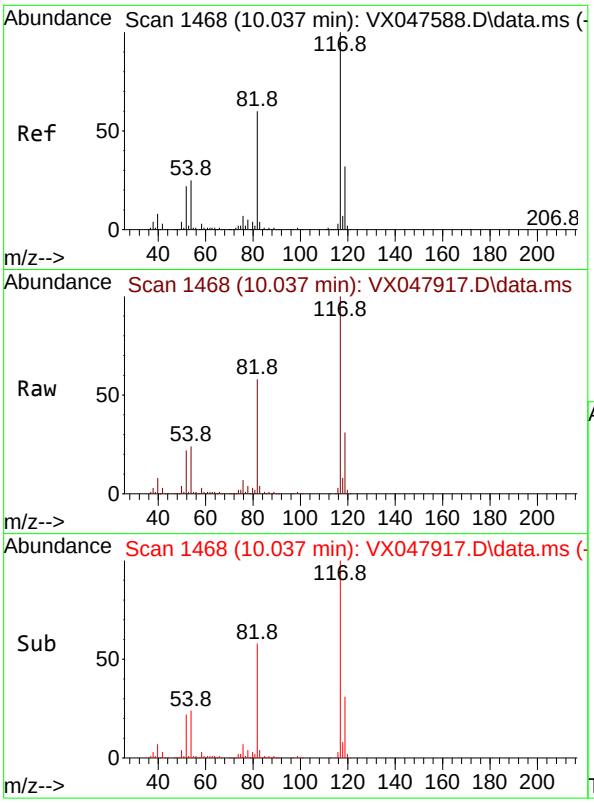


#62
4-Bromofluorobenzene
Concen: 54.920 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Tgt Ion: 95 Resp: 122391

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.6
176	68.0	0.0	138.4



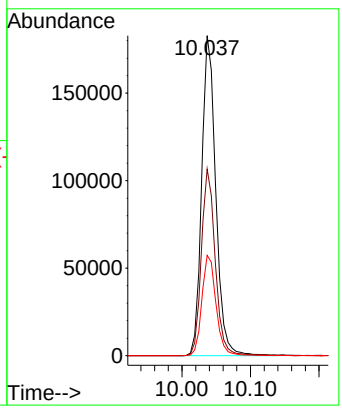


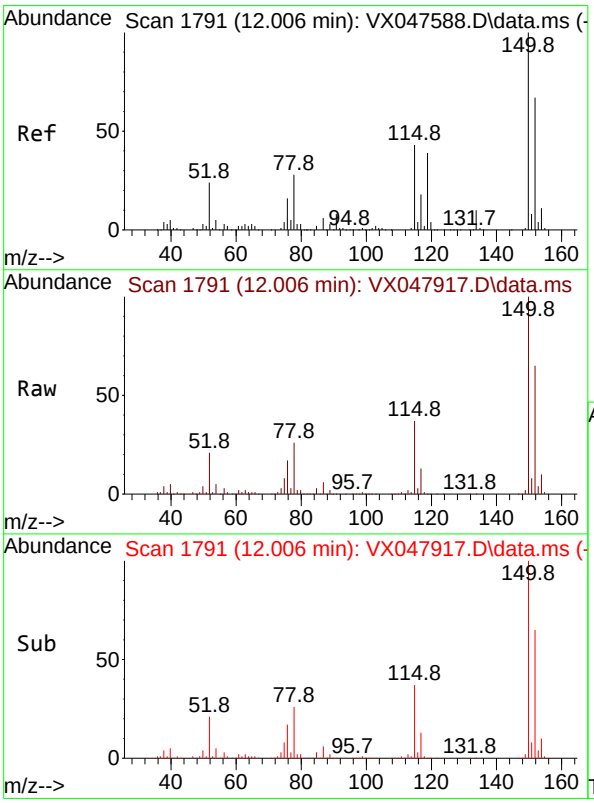
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20250923

Tgt Ion:117 Resp: 261549

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	31.4	25.2	37.8

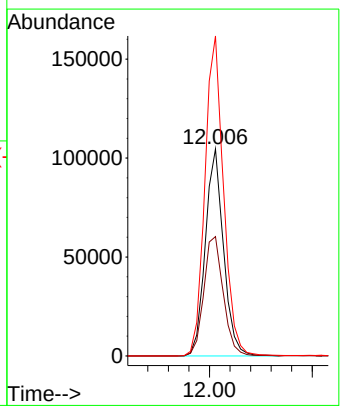




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047917.D
Acq: 30 Sep 2025 17:24

Tgt Ion:152 Resp: 128891

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.9	134.5
150	158.2	0.0	352.0



Raw Data: **VX047918.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-14	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047918.D	1	09/30/25 17:45	VX093025

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	1.60	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

Raw Data: **VX047918.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-14	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047918.D	1	09/30/25 17:45	VX093025

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	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	267000	6.751				
3114-55-4	Chlorobenzene-d5	278000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	142000	12.006				

Raw Data: **VX047918.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW8-MW01D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-14	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047918.D	1	09/30/25 17:45	VX093025

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\VX093025\
Data File : VX047918.D
Acq On : 30 Sep 2025 17:45
Operator : JC/MD
Sample : Q3193-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Quant Time: Oct 01 01:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

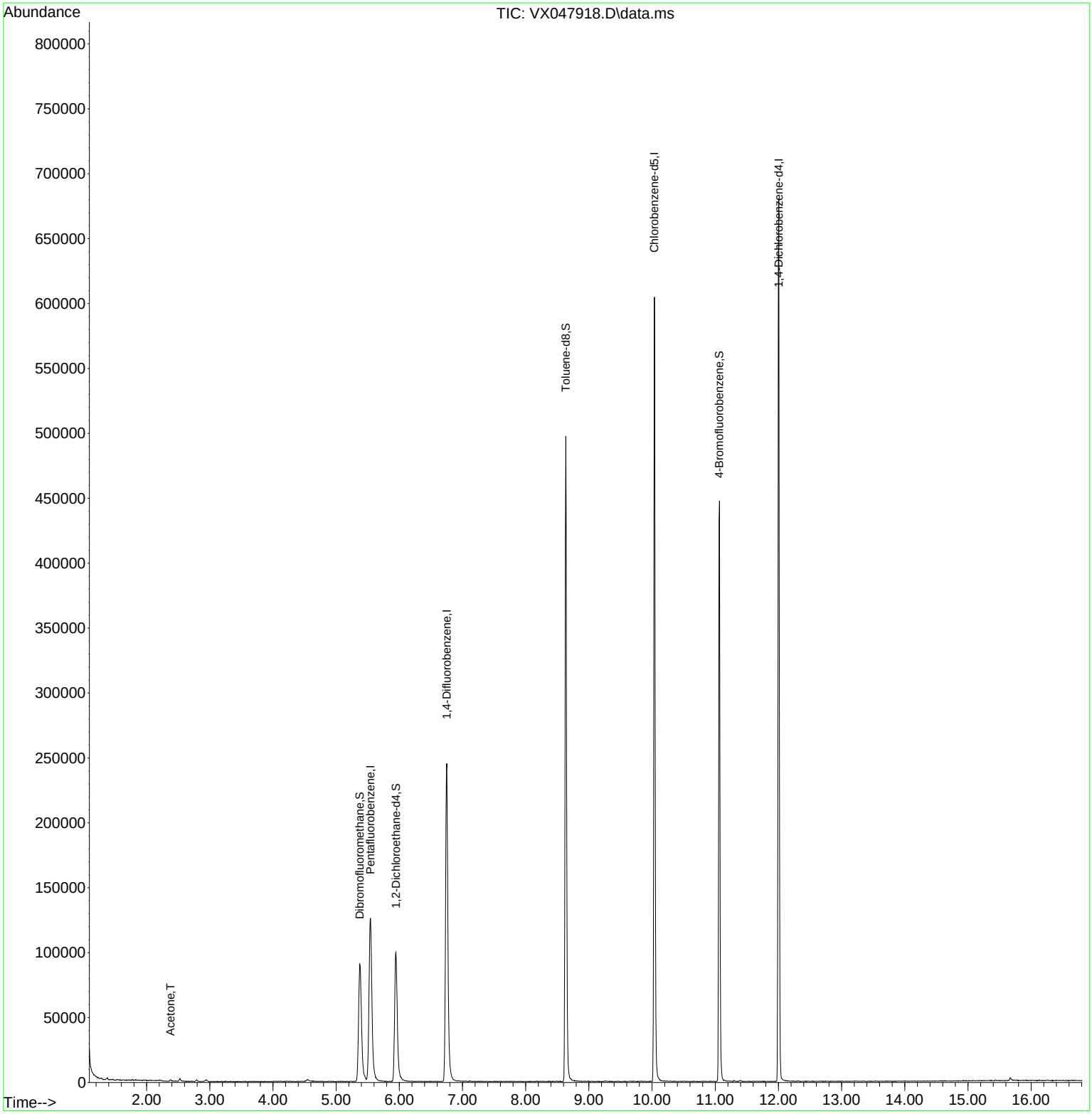
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	266808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	278211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108453	52.802	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.600%			
35) Dibromofluoromethane	5.373	113	90475	50.563	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.120%			
50) Toluene-d8	8.635	98	303689	49.049	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.100%			
62) 4-Bromofluorobenzene	11.061	95	128248	54.578	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.160%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1445	1.618	ug/l #	83

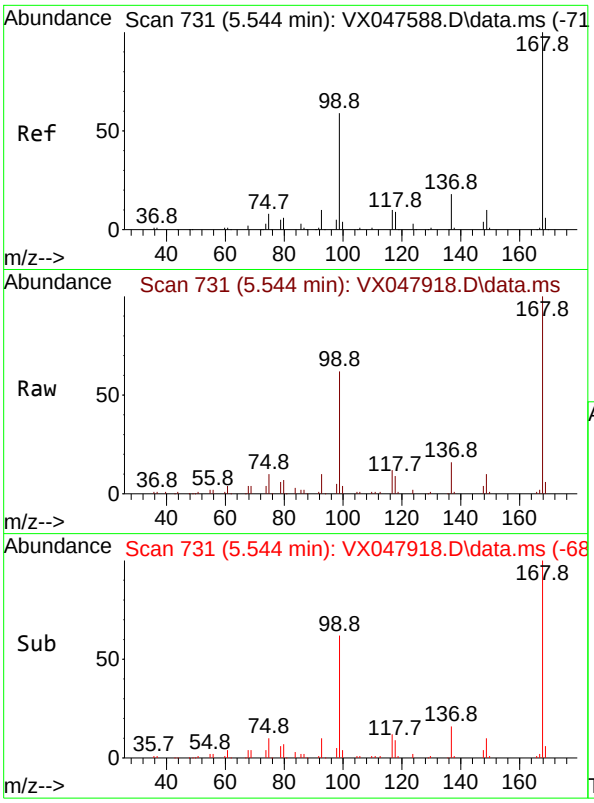
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047918.D
Acq On : 30 Sep 2025 17:45
Operator : JC/MD
Sample : Q3193-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Quant Time: Oct 01 01:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



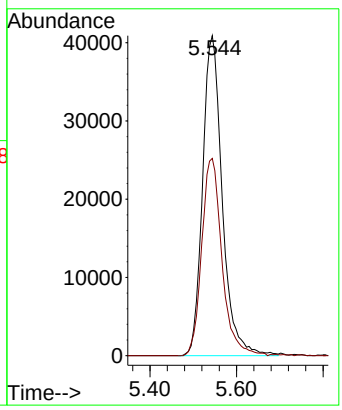


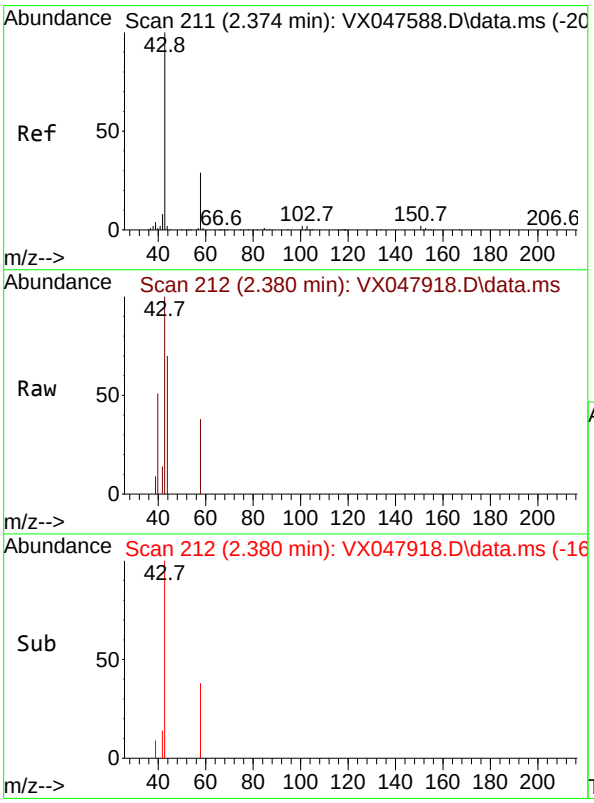
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion:168 Resp: 129037

Ion	Ratio	Lower	Upper
168	100		
99	61.6	48.8	73.2

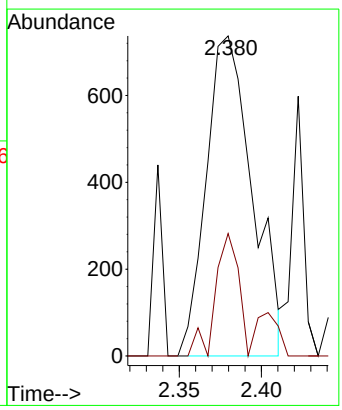


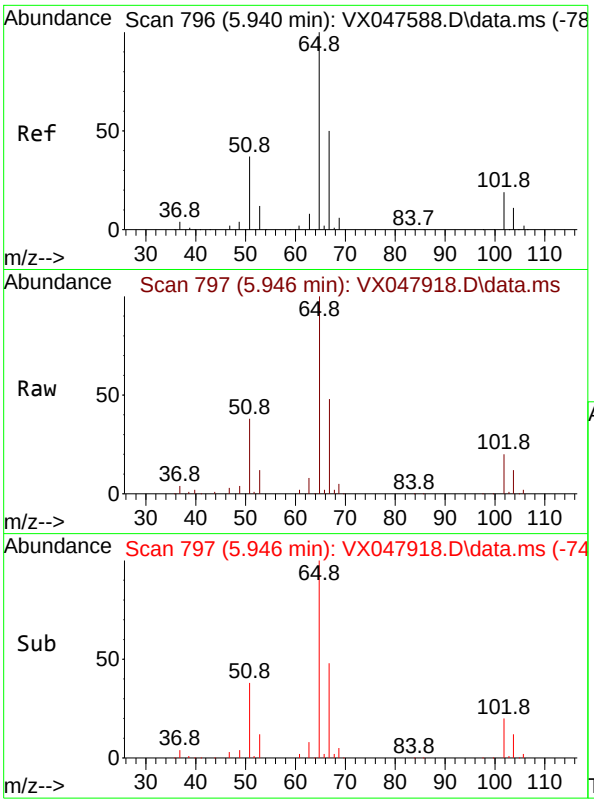


#16
Acetone
Concen: 1.618 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Tgt Ion: 43 Resp: 1445

Ion	Ratio	Lower	Upper
43	100		
58	38.3	23.4	35.0#



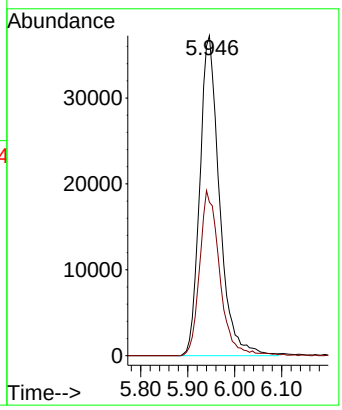


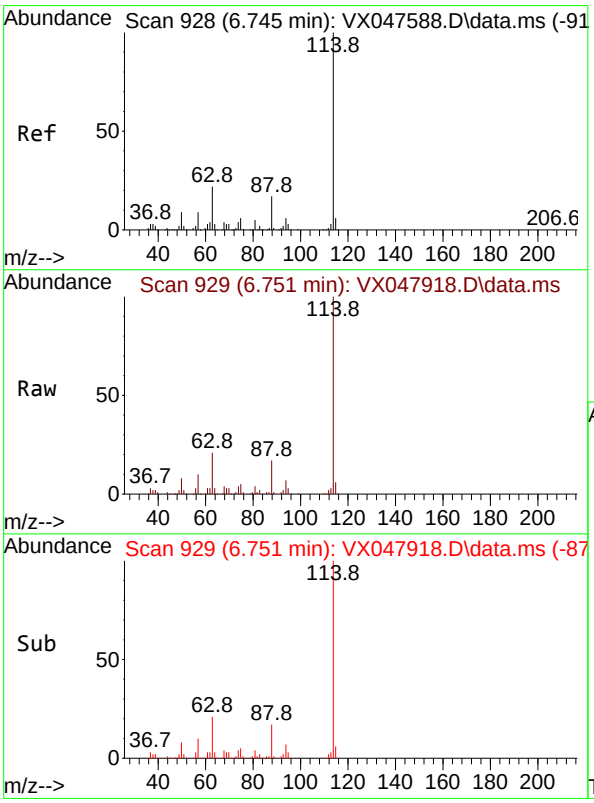
#33
1,2-Dichloroethane-d4
Concen: 52.802 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion: 65 Resp: 108453

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

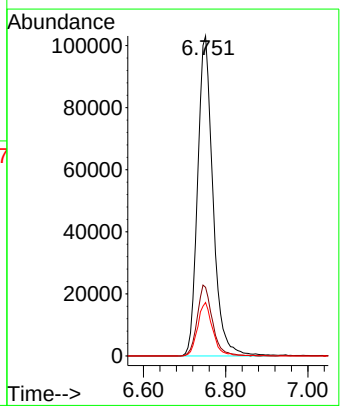


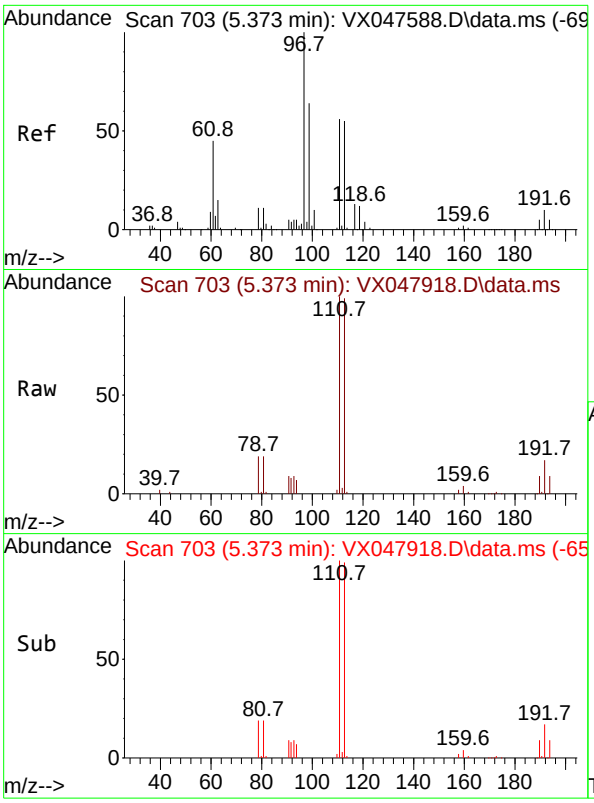


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Tgt Ion:114 Resp: 266808

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	16.7	0.0	34.2



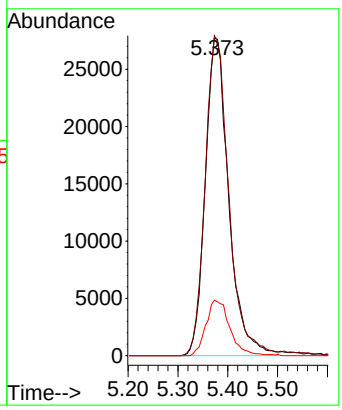


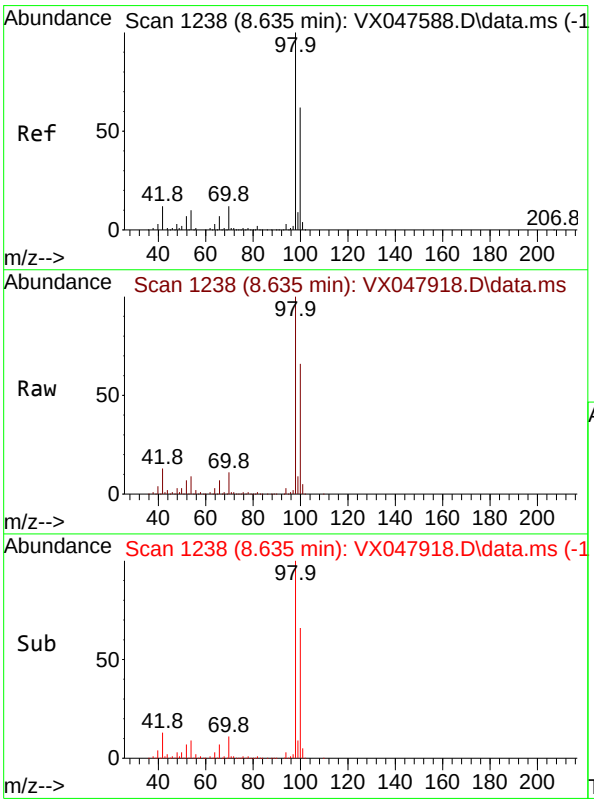
#35
Dibromofluoromethane
Concen: 50.563 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion:113 Resp: 90475

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	17.9	14.2	21.4

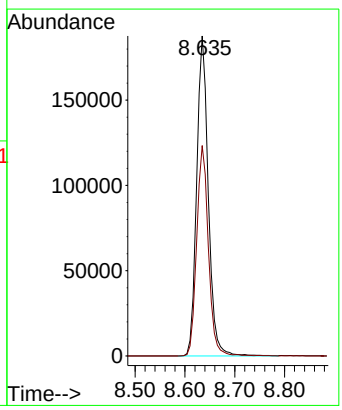


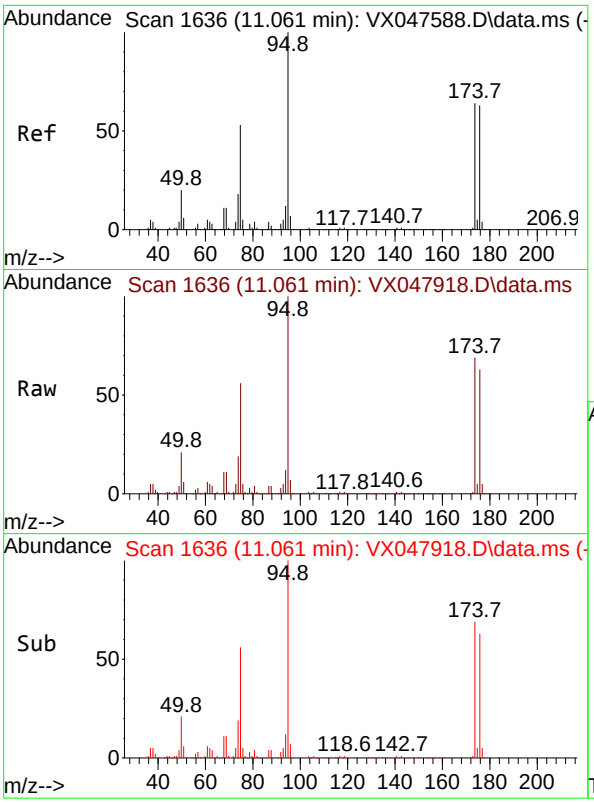


#50
Toluene-d8
Concen: 49.049 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Tgt Ion: 98 Resp: 303689

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



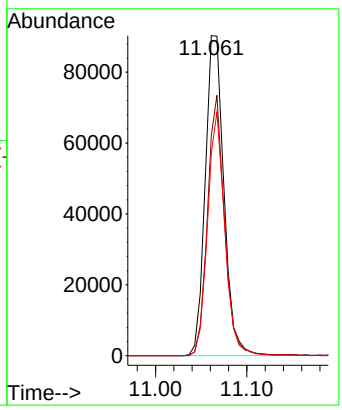


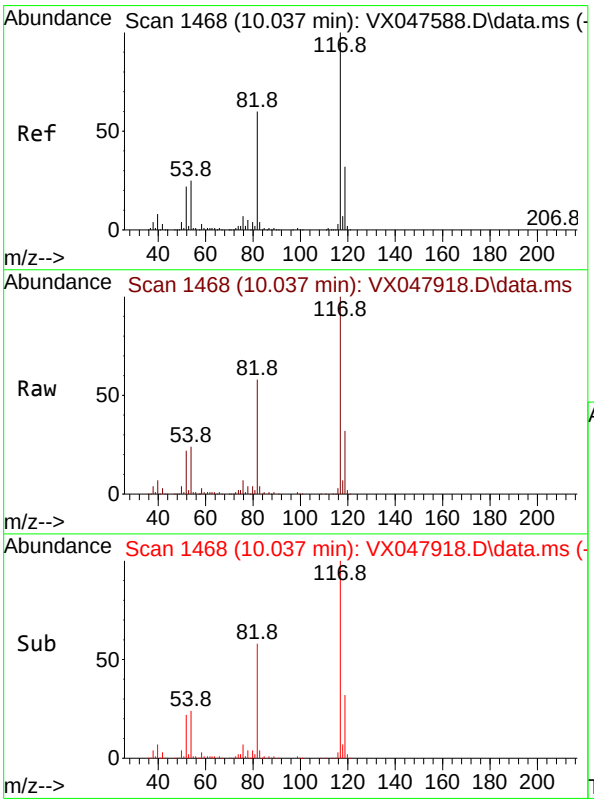
#62
4-Bromofluorobenzene
Concen: 54.578 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion: 95 Resp: 128248

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	141.6
176	70.4	0.0	138.4

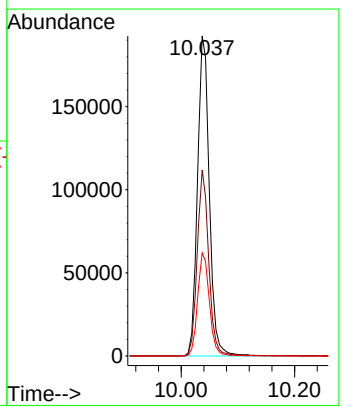


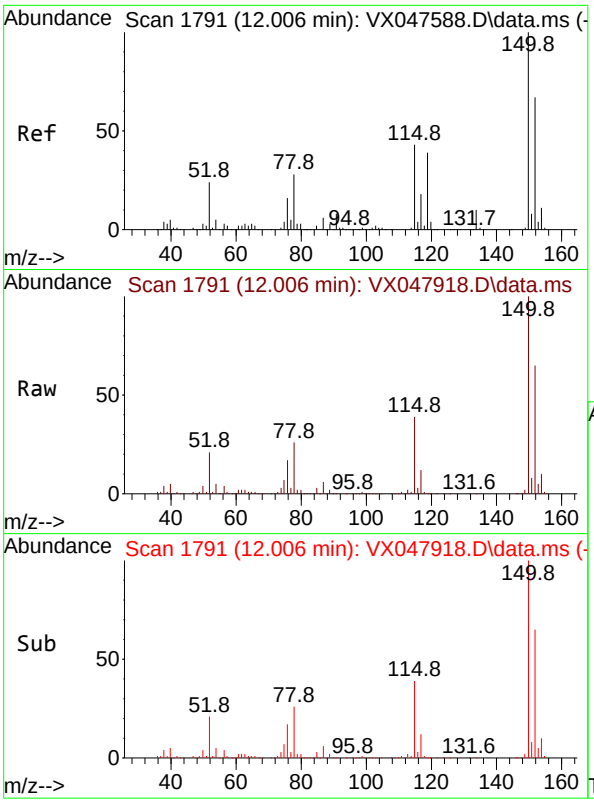


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Tgt Ion:117 Resp: 278211

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.3	25.2	37.8



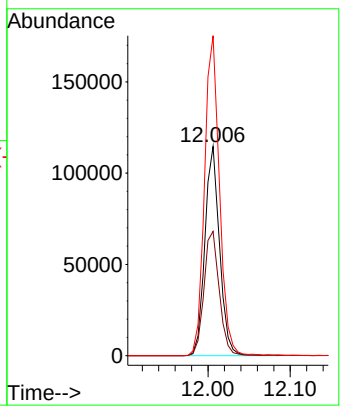


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047918.D
Acq: 30 Sep 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D1-20250923

Tgt Ion:152 Resp: 142118

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.9	134.5
150	155.7	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP11-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-15	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047919.D	1	09/30/25 18:06	VX093025

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	1.70	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	0.50	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

Raw Data: **VX047919.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP11-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-15	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047919.D	1	09/30/25 18:06	VX093025

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	52.1		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.537				
540-36-3	1,4-Difluorobenzene	265000	6.75				
3114-55-4	Chlorobenzene-d5	272000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	136000	12.006				

Raw Data: **VX047919.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	DUP11-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-15	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047919.D	1	09/30/25 18:06	VX093025

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\VX093025\
Data File : VX047919.D
Acq On : 30 Sep 2025 18:06
Operator : JC/MD
Sample : Q3193-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Quant Time: Oct 01 01:15:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

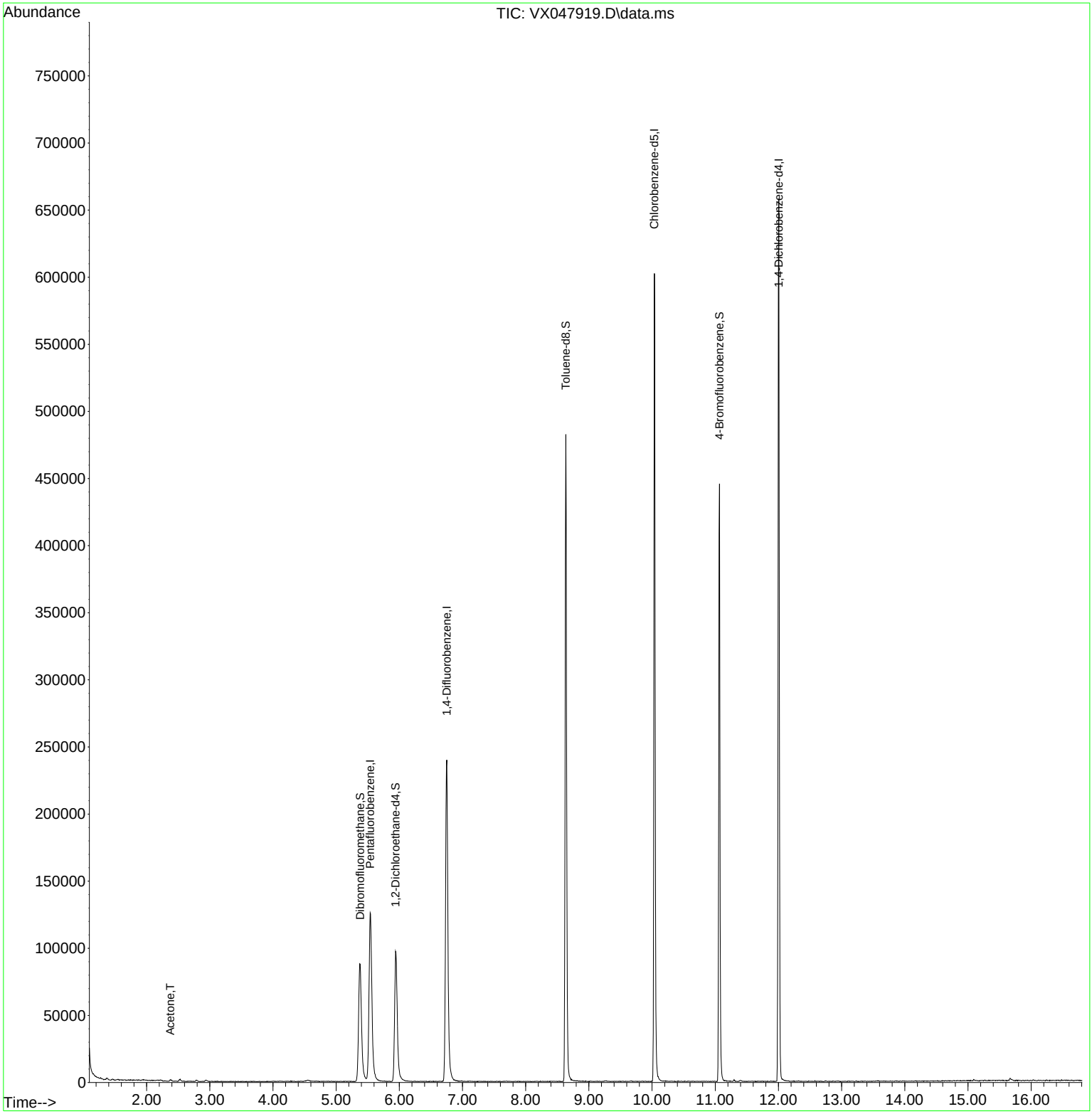
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	126991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	265107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	272232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	135633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105347	52.116	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.379	113	87043	48.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.920%			
50) Toluene-d8	8.634	98	295151	47.976	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.960%			
62) 4-Bromofluorobenzene	11.067	95	124569	53.353	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.700%			
Target Compounds						Qvalue
16) Acetone	2.373	43	1500	1.707	ug/l #	80

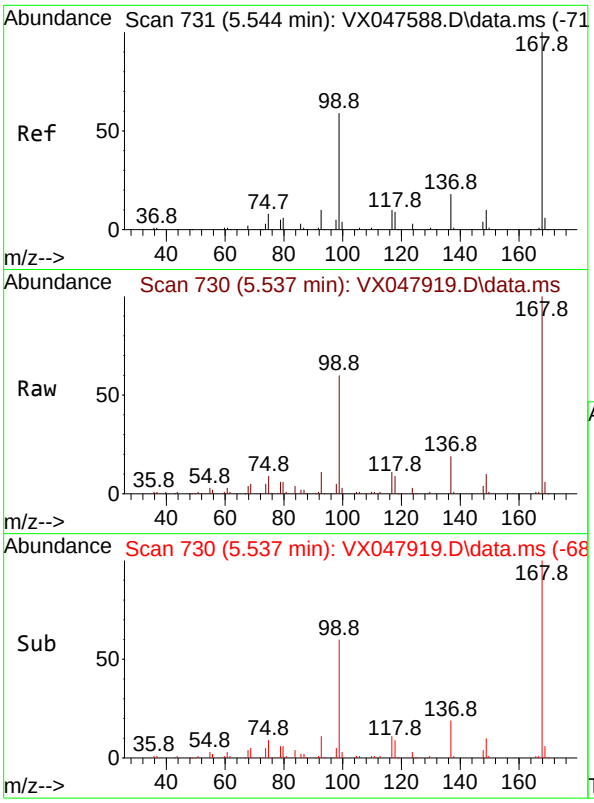
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047919.D
Acq On : 30 Sep 2025 18:06
Operator : JC/MD
Sample : Q3193-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Quant Time: Oct 01 01:15:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



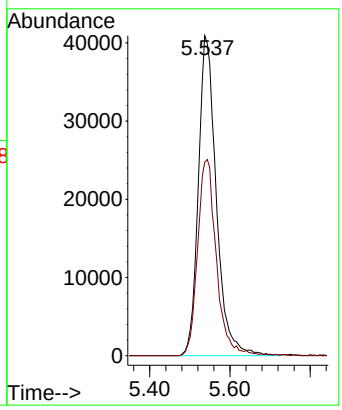


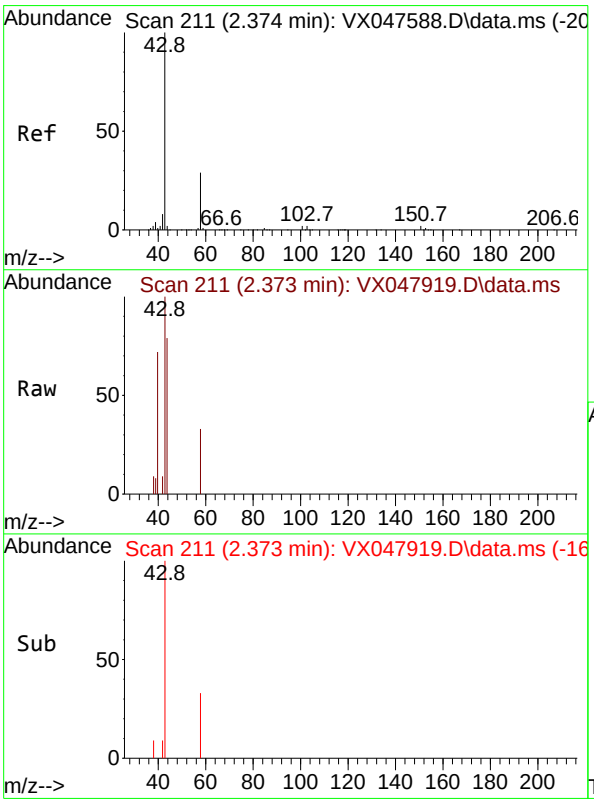
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Tgt Ion:168 Resp: 126991

Ion	Ratio	Lower	Upper
168	100		
99	60.5	48.8	73.2

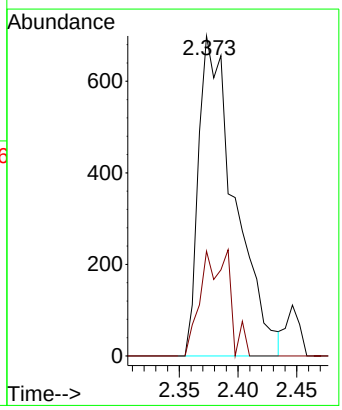


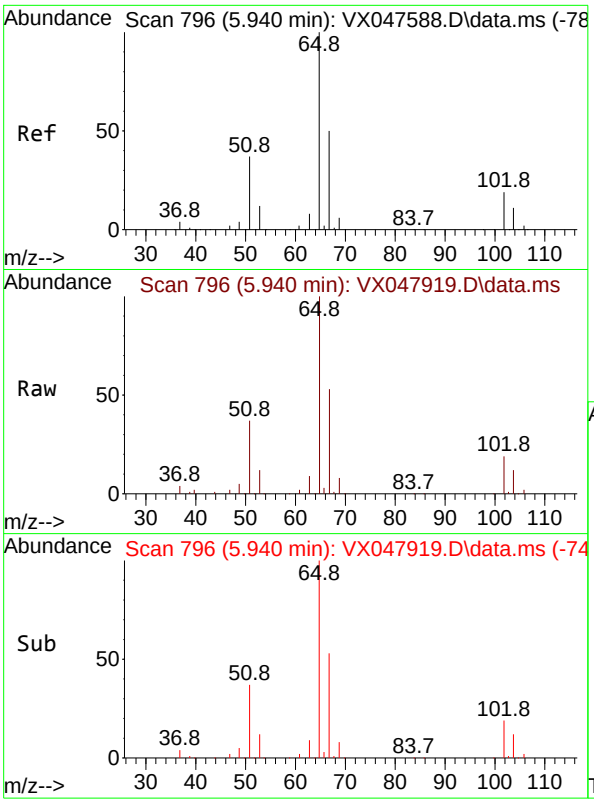


#16
Acetone
Concen: 1.707 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Tgt Ion: 43 Resp: 1500

Ion	Ratio	Lower	Upper
43	100		
58	18.3	23.4	35.0#



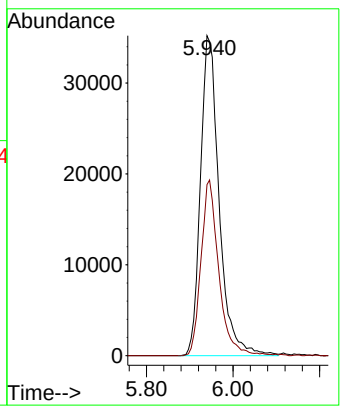


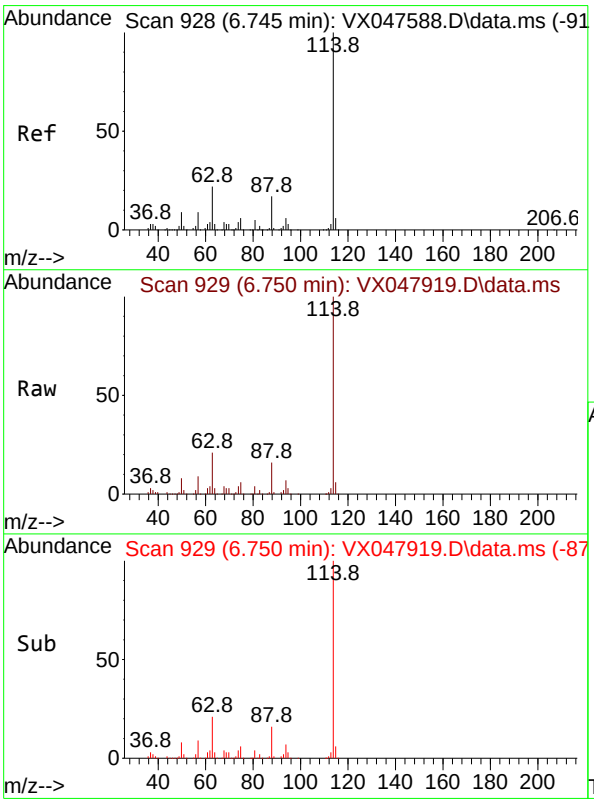
#33
1,2-Dichloroethane-d4
Concen: 52.116 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Tgt Ion: 65 Resp: 105347

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.0

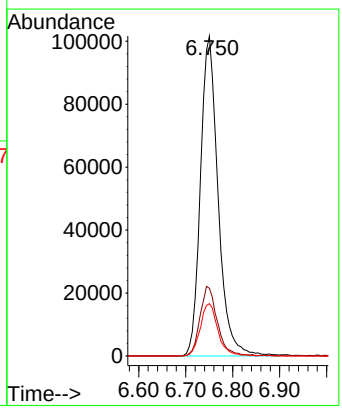


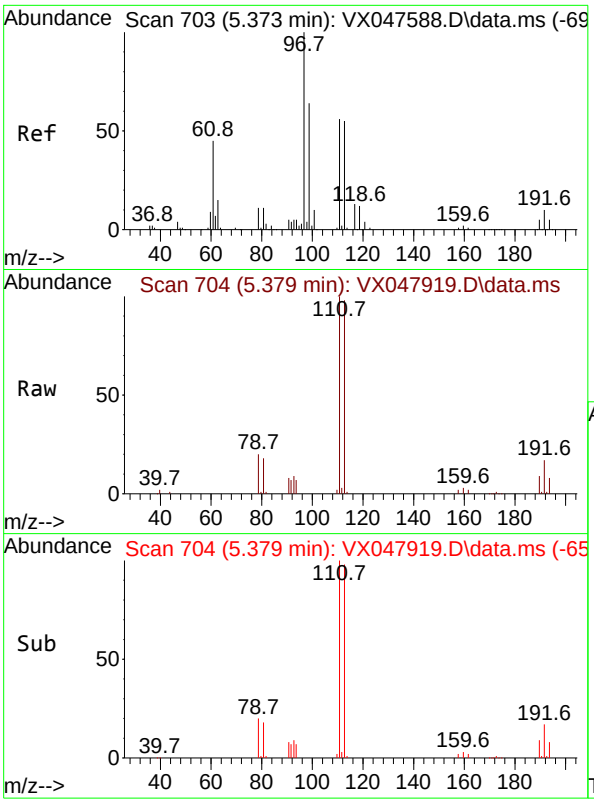


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Tgt Ion:114 Resp: 265107

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.4	0.0	34.2



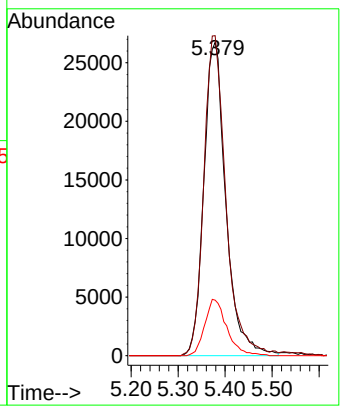


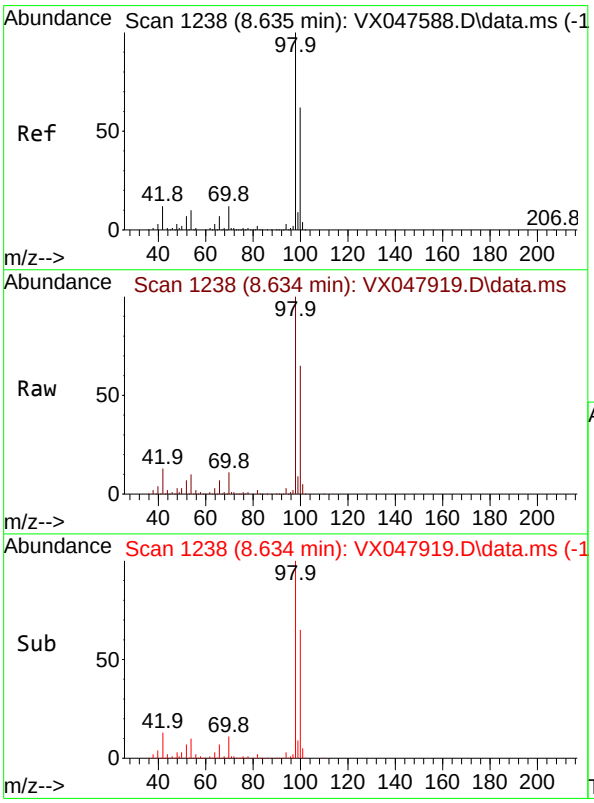
#35
Dibromofluoromethane
Concen: 48.957 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Tgt Ion:113 Resp: 87043

Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	18.0	14.2	21.4

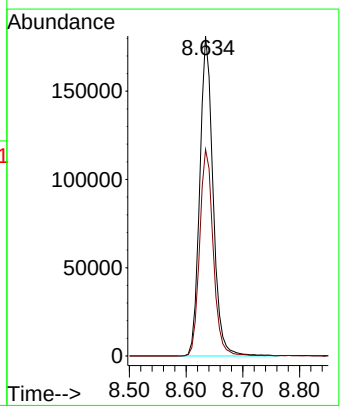


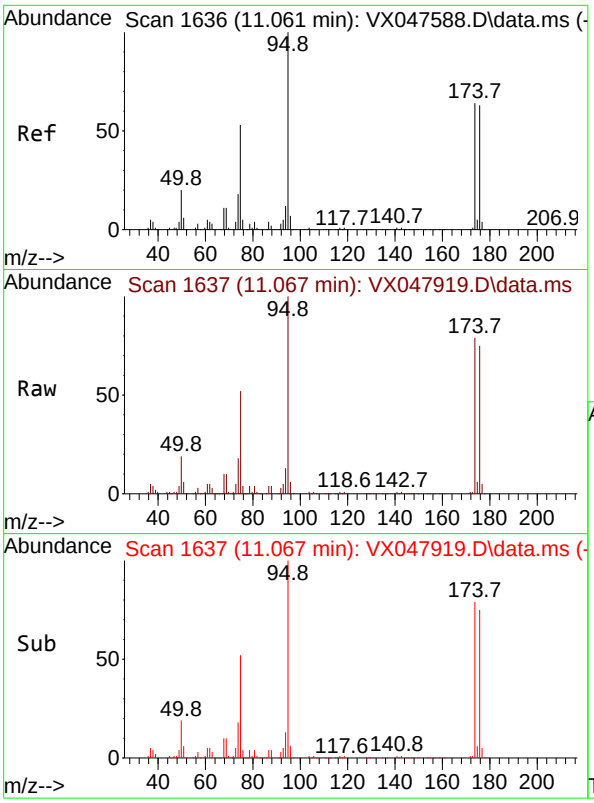


#50
Toluene-d8
Concen: 47.976 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Tgt Ion: 98 Resp: 295151

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4



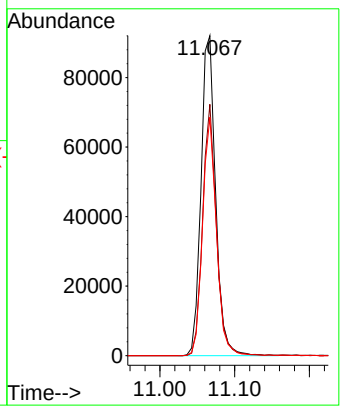


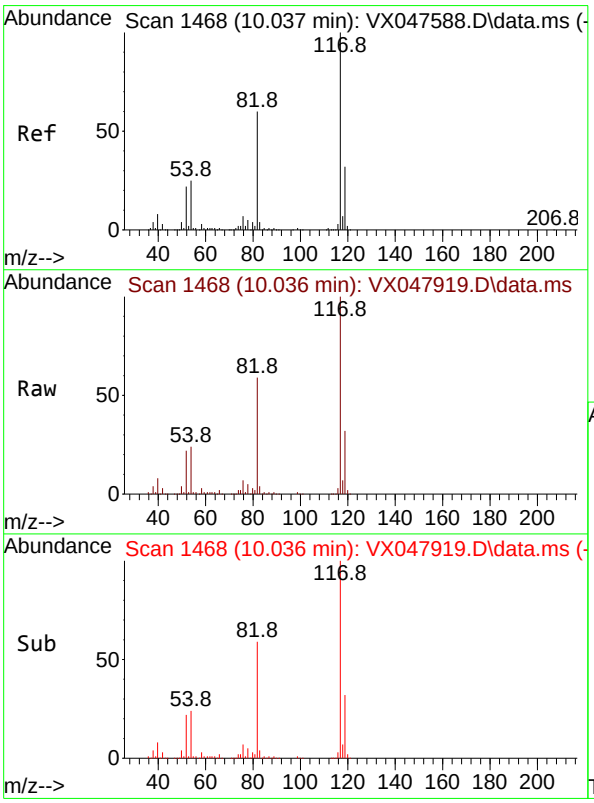
#62
4-Bromofluorobenzene
Concen: 53.353 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Tgt Ion: 95 Resp: 124569

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	141.6
176	71.2	0.0	138.4

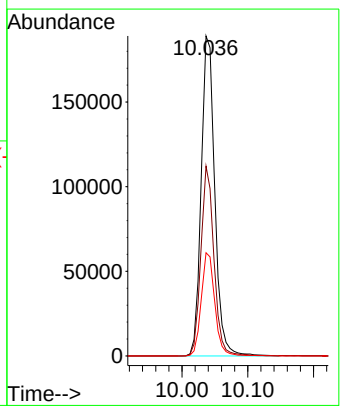


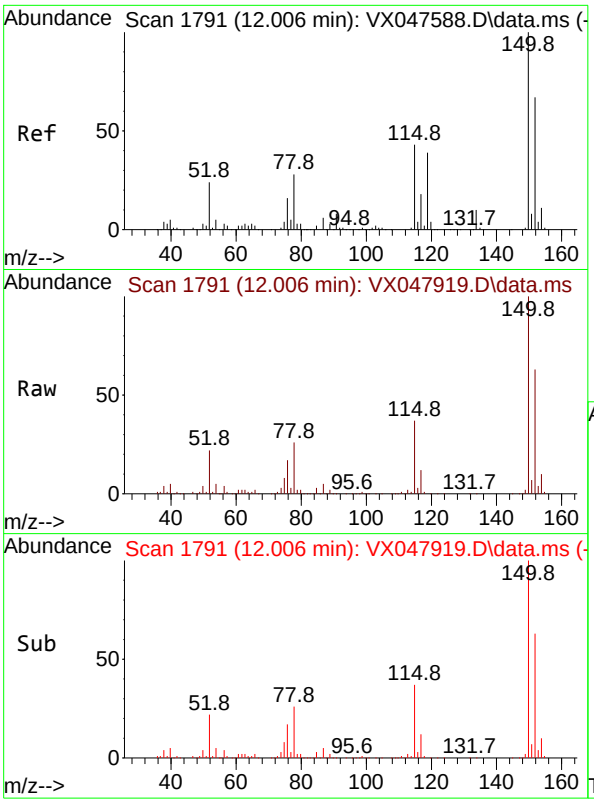


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Tgt Ion:117 Resp: 272232

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.8	71.6
119	32.2	25.2	37.8



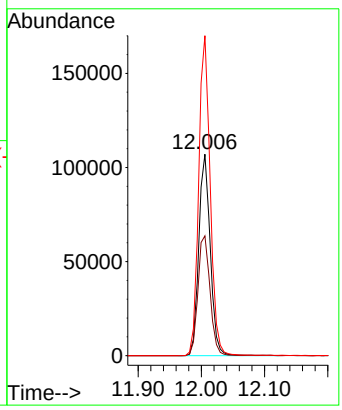


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047919.D
Acq: 30 Sep 2025 18:06

Instrument :
MSVOA_X
ClientSampleId :
DUP11-20250923

Tgt Ion:152 Resp: 135633

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.9	134.5
150	158.9	0.0	352.0



Raw Data: **VX047920.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT161S1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-16	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047920.D	1	09/30/25 18:27	VX093025

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	0.38	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	2.20		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	0.57	J	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	0.84	J	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	0.30	J	0.14	0.50	1.00	ug/L

Raw Data: **VX047920.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT161S1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-16	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047920.D	1	09/30/25 18:27	VX093025

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	0.38	J	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	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.544				
540-36-3	1,4-Difluorobenzene	268000	6.751				
3114-55-4	Chlorobenzene-d5	278000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.006				

Raw Data: **VX047920.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT161S1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-16	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047920.D	1	09/30/25 18:27	VX093025

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\VX093025\
Data File : VX047920.D
Acq On : 30 Sep 2025 18:27
Operator : JC/MD
Sample : Q3193-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:16:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	267637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	278101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109314	53.924	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.840%			
35) Dibromofluoromethane	5.373	113	88493	49.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.634	98	299757	48.264	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.520%			
62) 4-Bromofluorobenzene	11.067	95	128354	54.454	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.900%			
Target Compounds						Qvalue
16) Acetone	2.380	43	3188	3.617	ug/l #	88
19) Methyl tert-butyl Ether	3.123	73	2106	0.381	ug/l #	84
24) 1,1-Dichloroethane	3.605	63	7046	2.191	ug/l	95
30) Chloroform	5.080	83	1858m	0.572	ug/l	
44) Trichloroethene	7.123	130	1616	0.839	ug/l	68
52) Toluene	8.708	92	1457	0.297	ug/l	91
64) Tetrachloroethene	9.262	164	697	0.384	ug/l #	86

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

Sample Results: **VX047920.D**

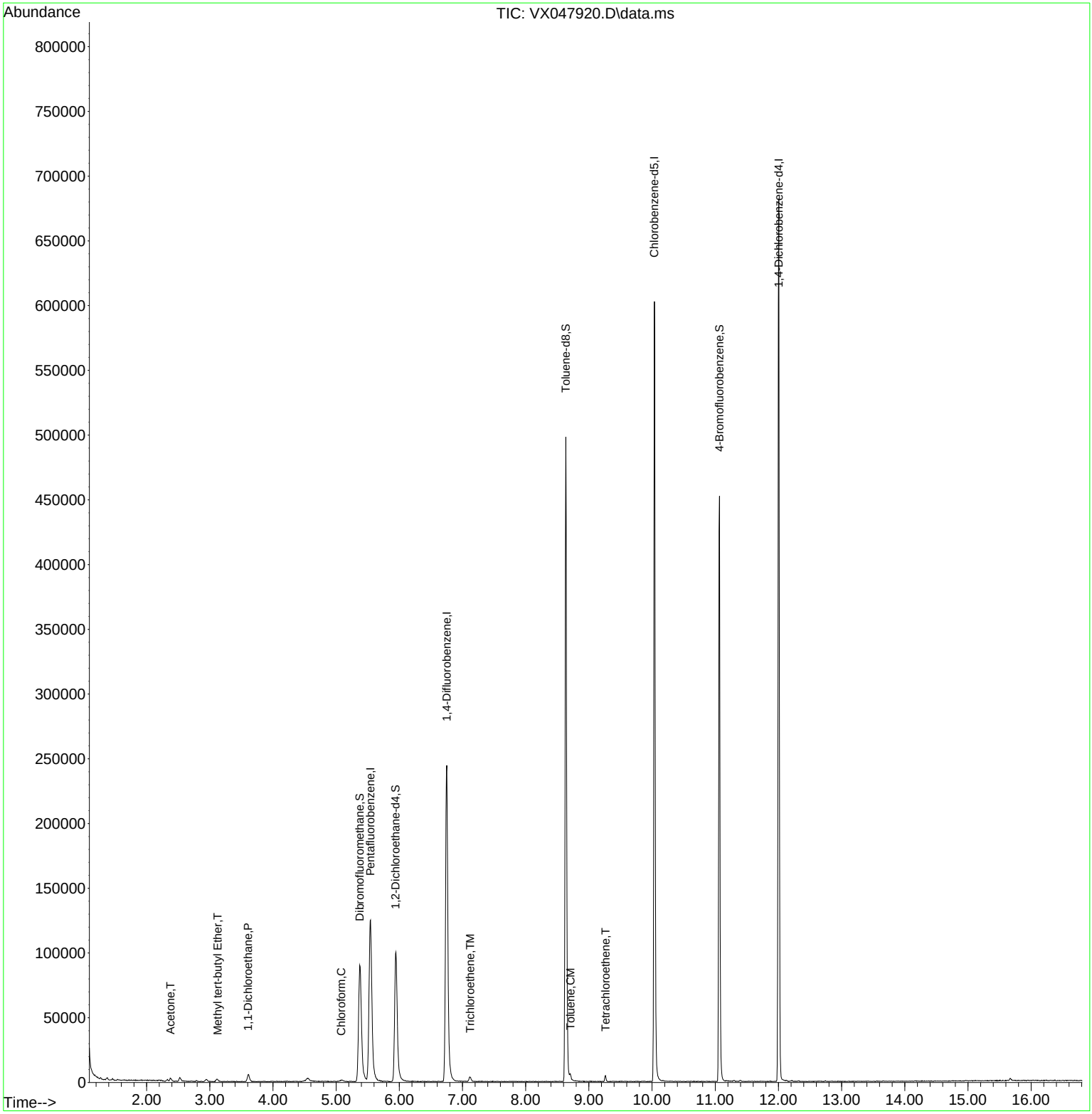
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047920.D
Acq On : 30 Sep 2025 18:27
Operator : JC/MD
Sample : Q3193-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

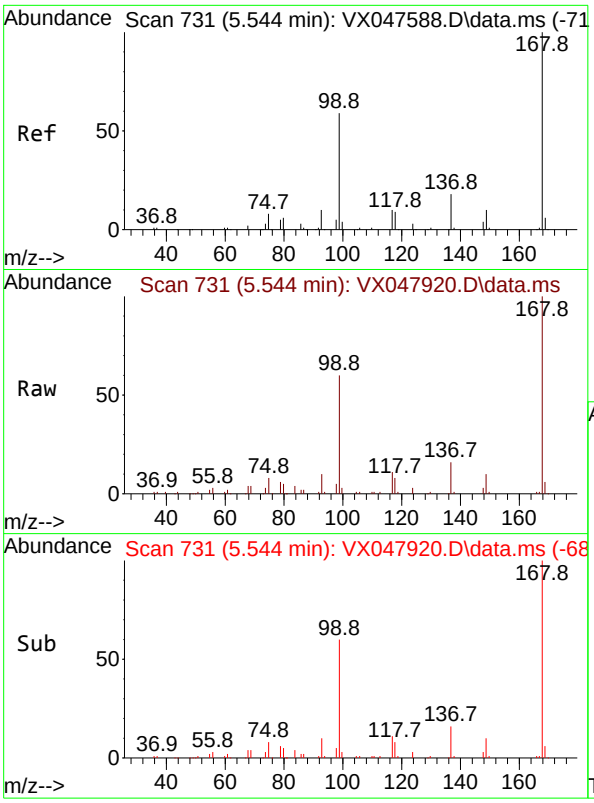
Quant Time: Oct 01 01:16:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

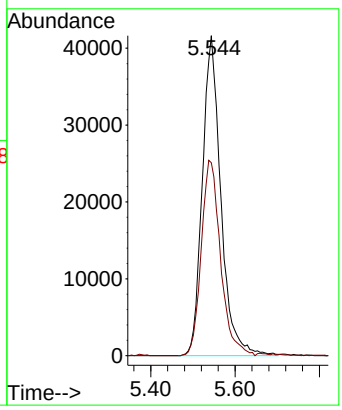




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:168 Resp: 12735

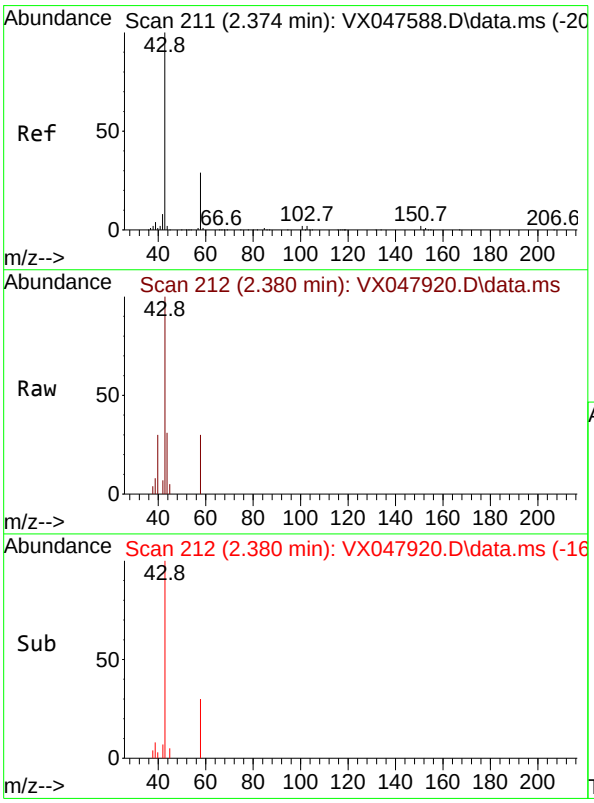
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
APPROVED

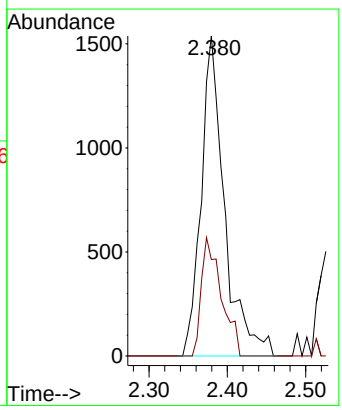
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

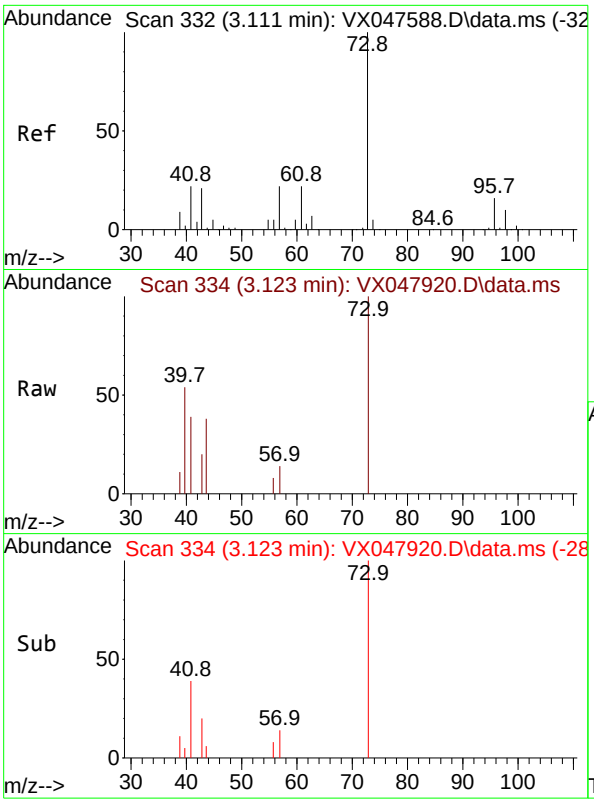


#16
Acetone
Concen: 3.617 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 43 Resp: 3188

Ion	Ratio	Lower	Upper
43	100		
58	23.0	23.4	35.0#

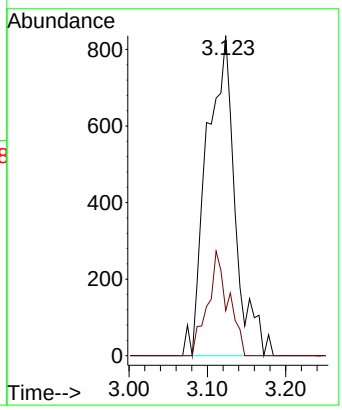




#19
Methyl tert-butyl Ether
Concen: 0.381 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 73 Resp: 210

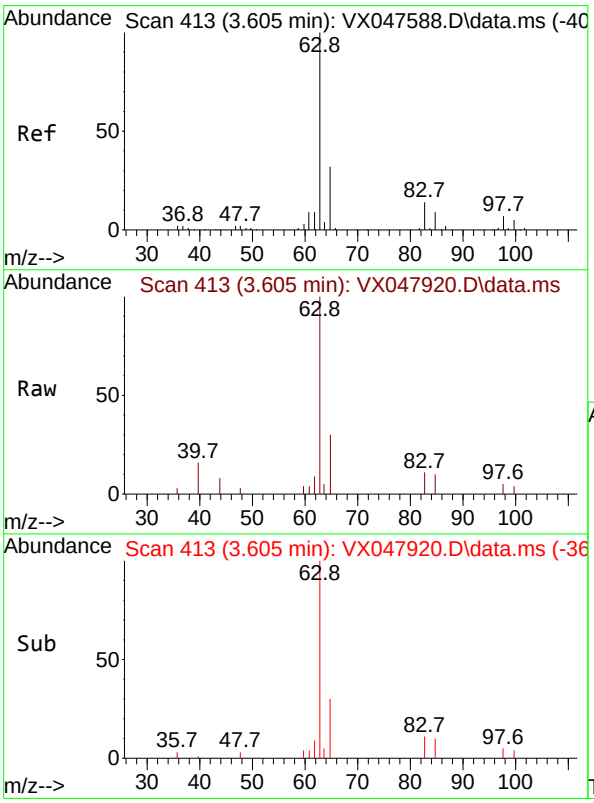
Ion	Ratio	Lower	Upper
73	100		
57	14.1	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
APPROVED

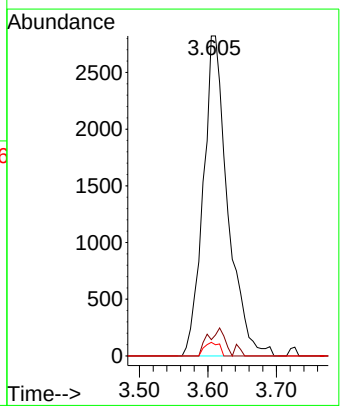
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

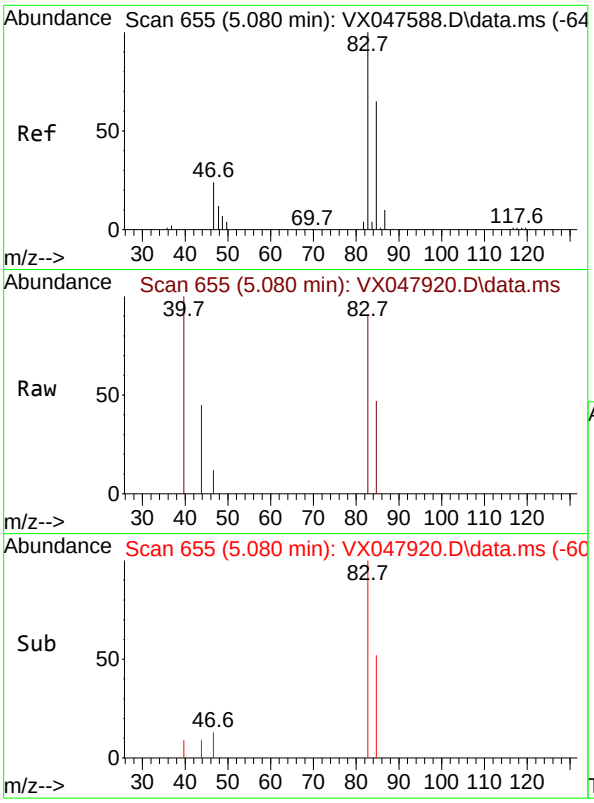


#24
1,1-Dichloroethane
Concen: 2.191 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 63 Resp: 7046

Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.8	11.2
100	4.1	2.3	6.9

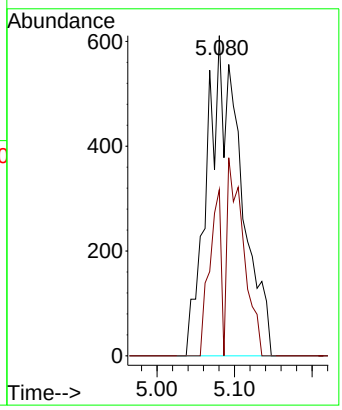




#30
Chloroform
Concen: 0.572 ug/l m
RT: 5.080 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 83 Resp: 185

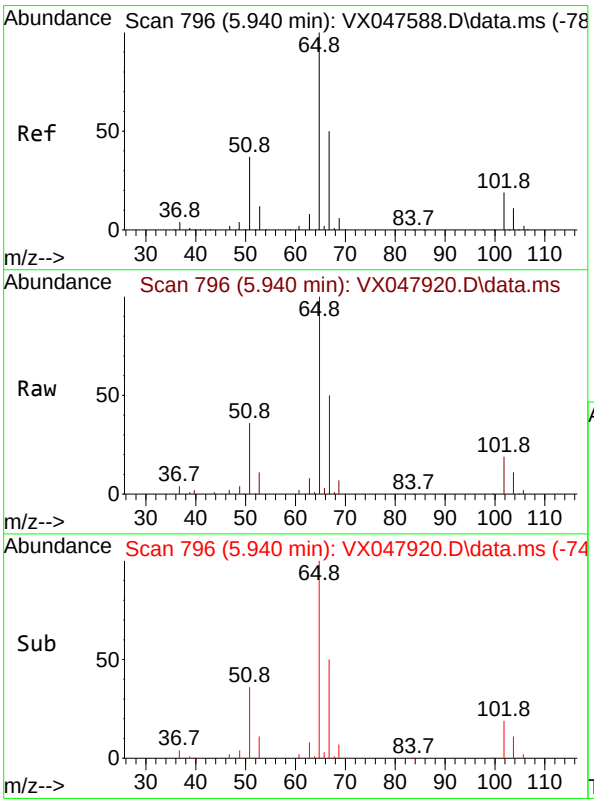
Ion	Ratio	Lower	Upper
83	100		
85	51.9	51.8	77.6



Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
APPROVED

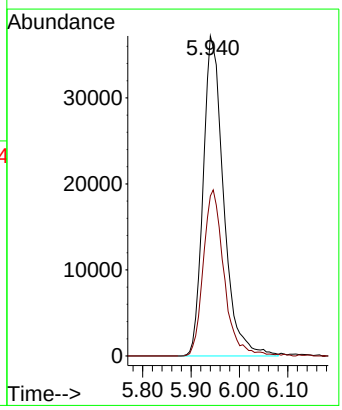
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

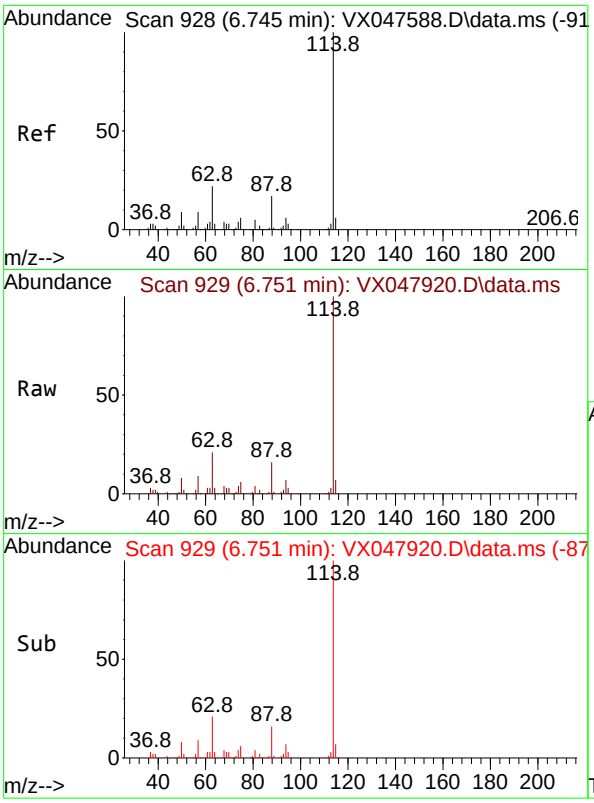


#33
1,2-Dichloroethane-d4
Concen: 53.924 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 65 Resp: 109314

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

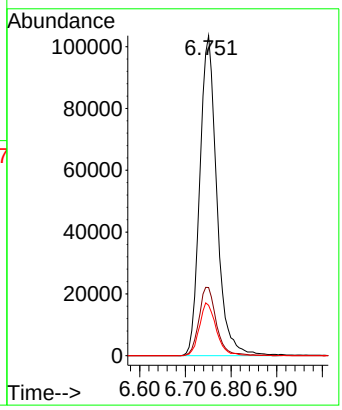
Tgt Ion:114 Resp: 26763

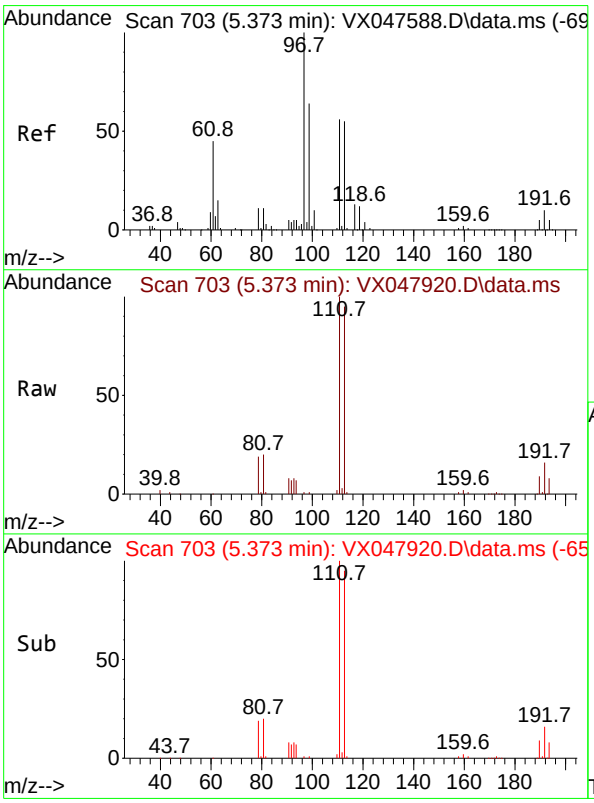
Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	15.7	0.0	34.2

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

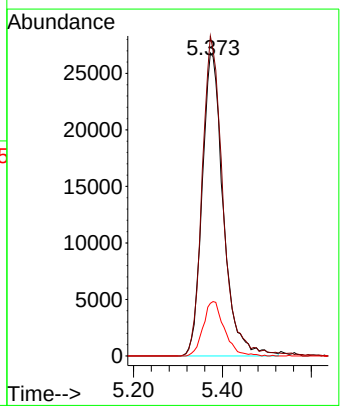


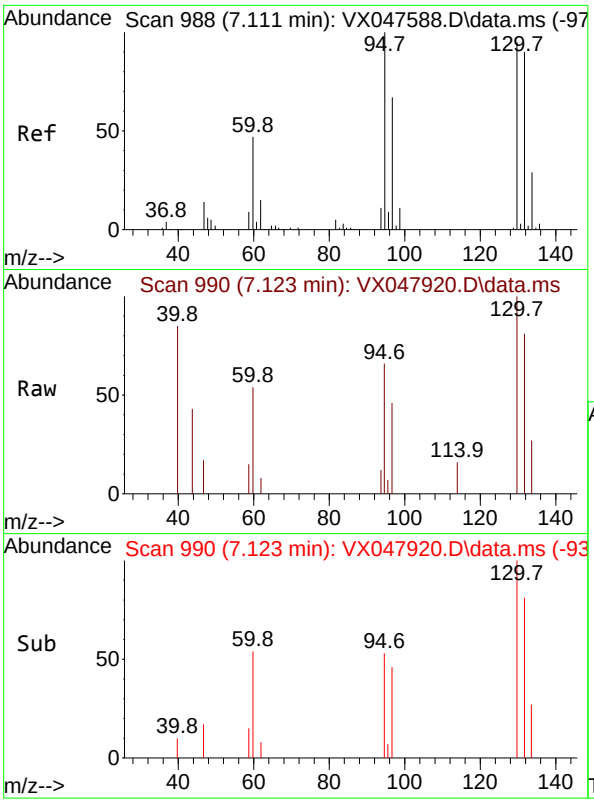


#35
Dibromofluoromethane
Concen: 49.302 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:113 Resp: 88493

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.9	121.3
192	18.0	14.2	21.4





#44
Trichloroethene
Concen: 0.839 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:130 Resp: 161

Ion	Ratio	Lower	Upper
130	100		
95	72.8	0.0	210.8

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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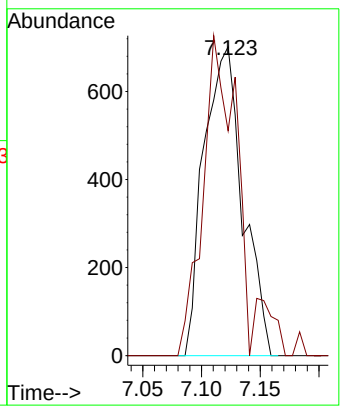
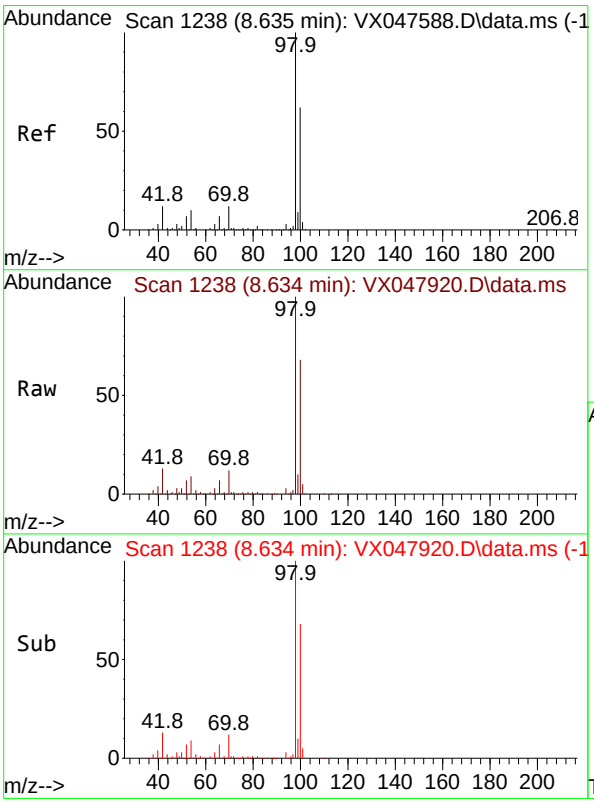
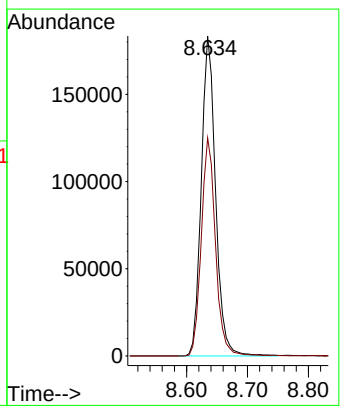


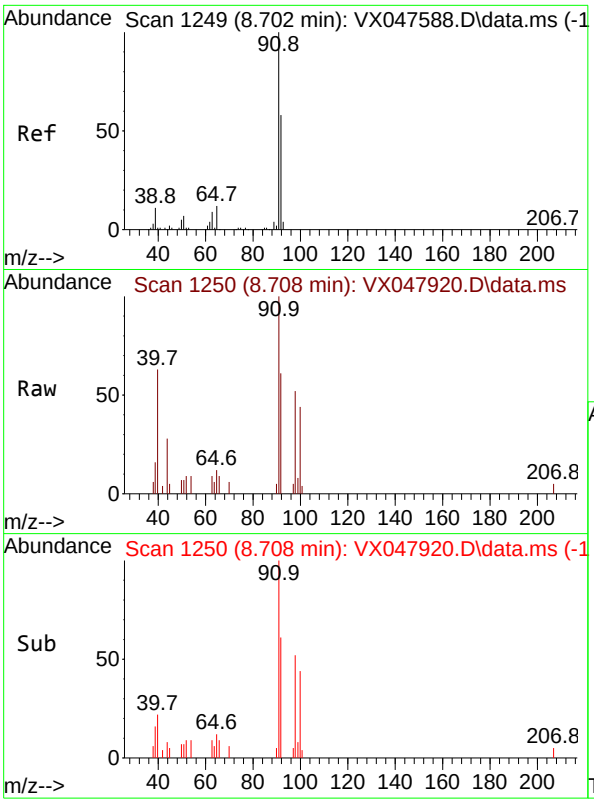


#50
Toluene-d8
Concen: 48.264 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 98 Resp: 299757

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4

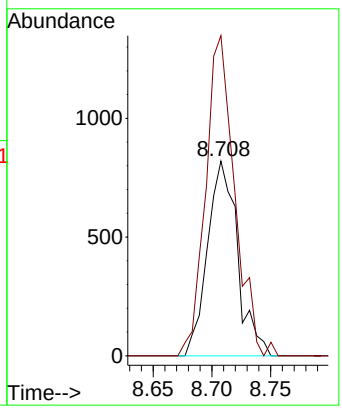




#52
Toluene
Concen: 0.297 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 92 Resp: 145

Ion	Ratio	Lower	Upper
92	100		
91	159.0	137.1	205.7



Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
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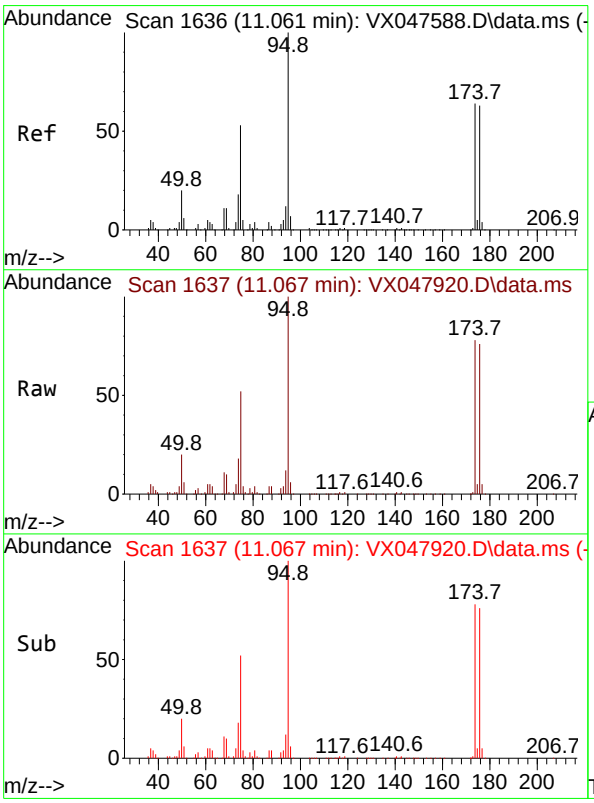
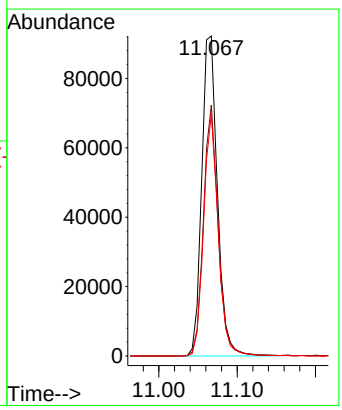
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

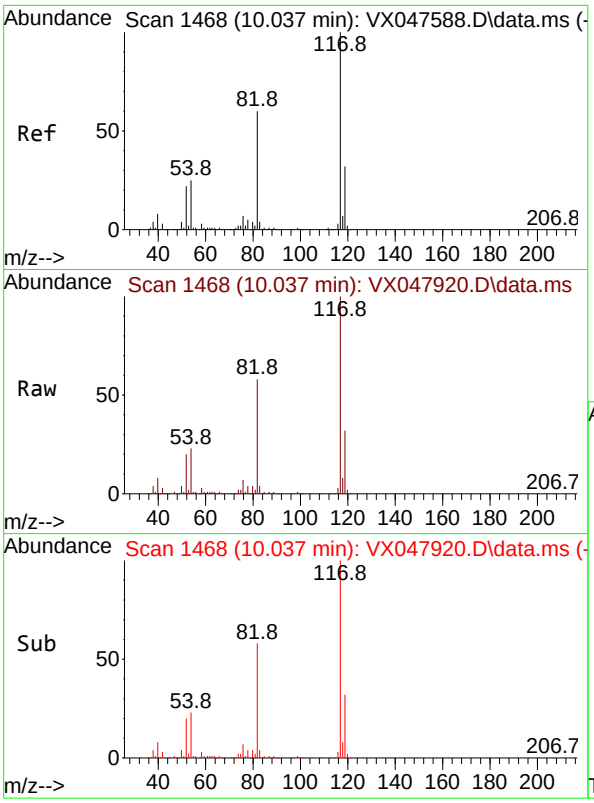


#62
4-Bromofluorobenzene
Concen: 54.454 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 95 Resp: 128354

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	141.6
176	70.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:117 Resp: 27810

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	31.8	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
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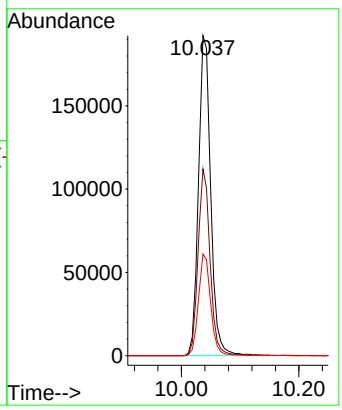
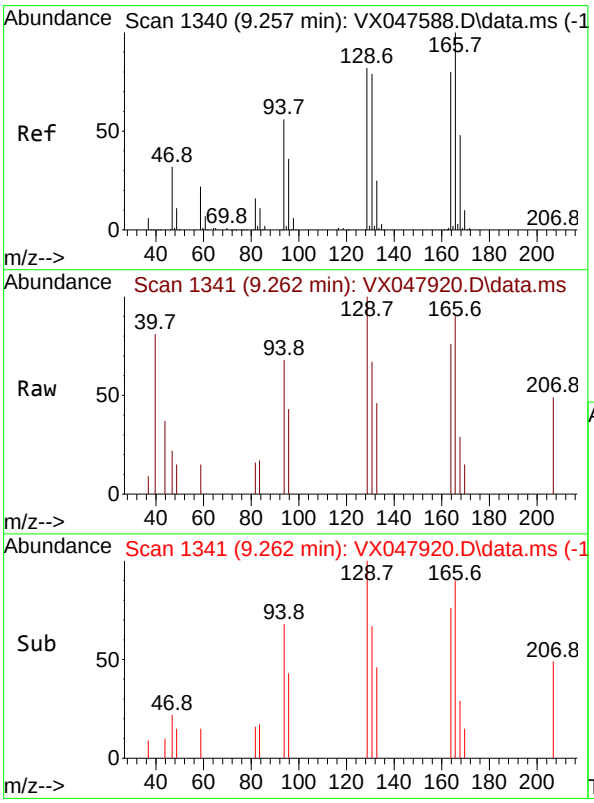
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

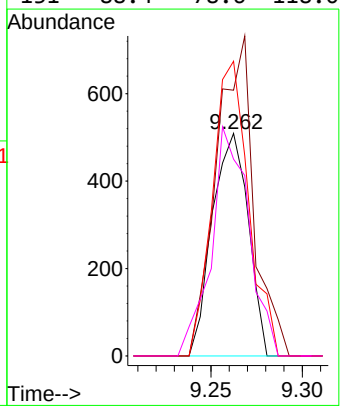


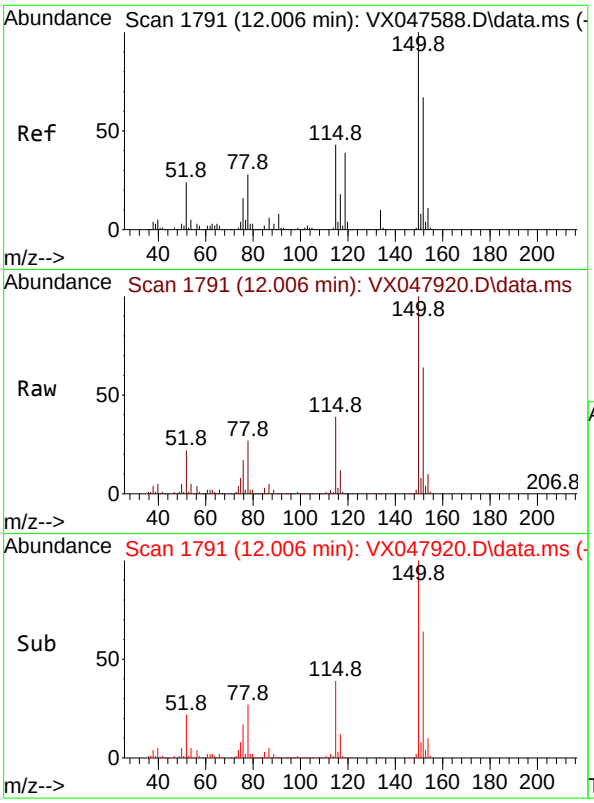


#64
Tetrachloroethene
Concen: 0.384 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:164 Resp: 697

Ion	Ratio	Lower	Upper
164	100		
166	119.4	100.2	150.2
129	132.4	81.8	122.6#
131	88.4	78.6	118.0

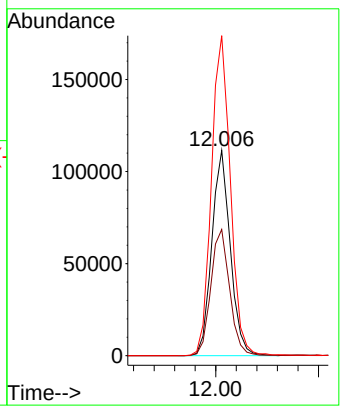




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:152 Resp: 13894

Ion	Ratio	Lower	Upper
152	100		
115	62.8	44.9	134.5
150	160.4	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047921.D	1	09/30/25 18:48	VX093025

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	8.50		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.40		0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.80	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	1.40		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	0.39	J	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	510	E	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

Raw Data: **VX047921.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047921.D	1	09/30/25 18:48	VX093025

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	6.10		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	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	5.544				
540-36-3	1,4-Difluorobenzene	283000	6.751				
3114-55-4	Chlorobenzene-d5	280000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.006				

Raw Data: **VX047921.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047921.D	1	09/30/25 18:48	VX093025

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\VX093025\
Data File : VX047921.D
Acq On : 30 Sep 2025 18:48
Operator : JC/MD
Sample : Q3193-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Quant Time: Oct 01 01:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

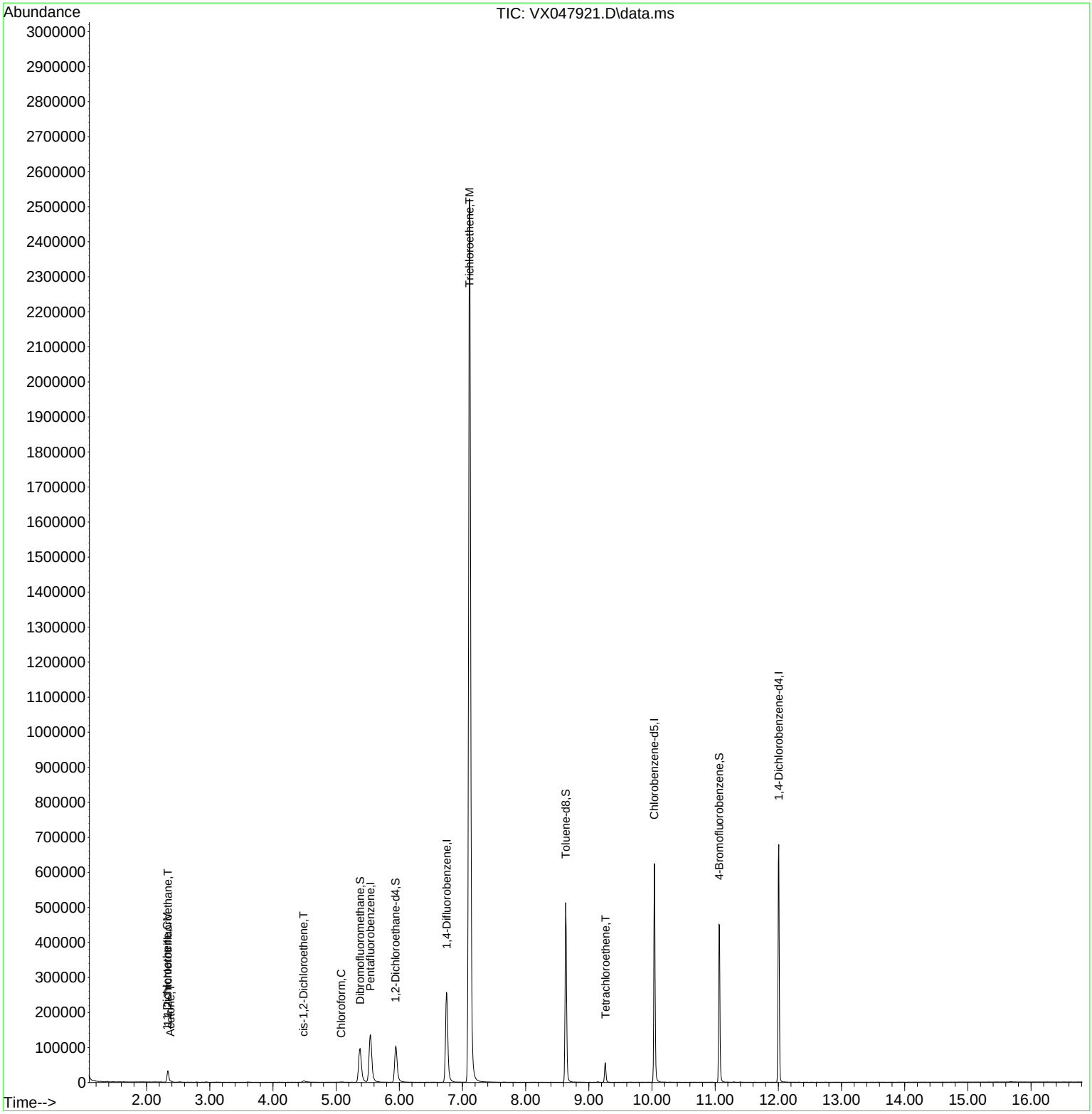
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	282690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111445	51.655	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.320%			
35) Dibromofluoromethane	5.379	113	94355	49.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.540%			
50) Toluene-d8	8.635	98	310507	47.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.660%			
62) 4-Bromofluorobenzene	11.061	95	134575	54.053	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.100%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	13354	8.518	ug/l	97
12) 1,1-Dichloroethene	2.325	96	2297	1.426	ug/l	88
16) Acetone	2.380	43	1708	1.821	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	2971	1.399	ug/l	88
30) Chloroform	5.080	83	1351	0.391	ug/l #	68
44) Trichloroethene	7.111	130	1043184	512.813	ug/l	96
64) Tetrachloroethene	9.263	164	11052	6.058	ug/l	96

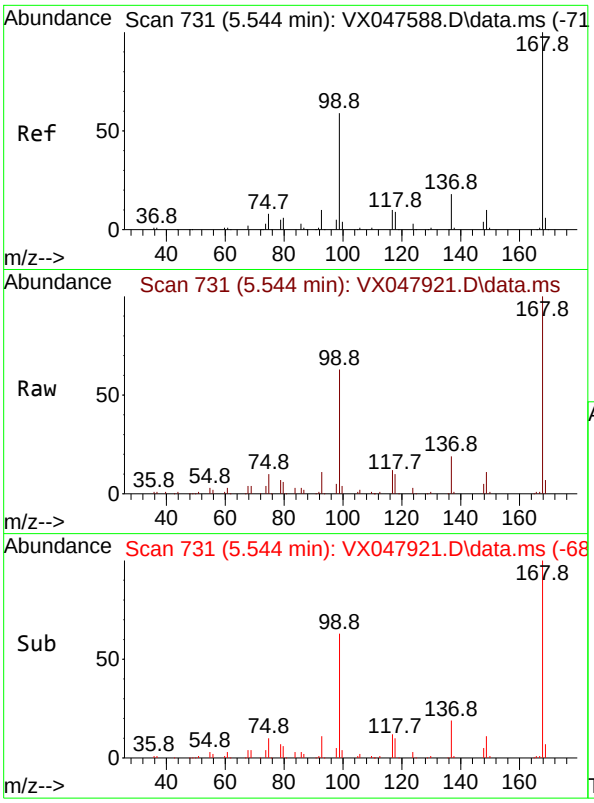
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047921.D
Acq On : 30 Sep 2025 18:48
Operator : JC/MD
Sample : Q3193-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Quant Time: Oct 01 01:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



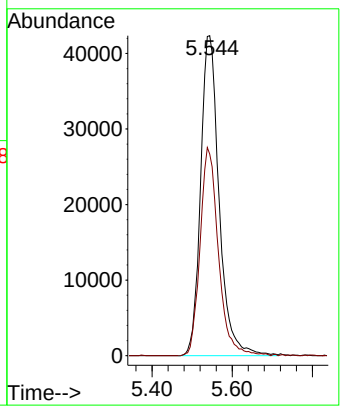


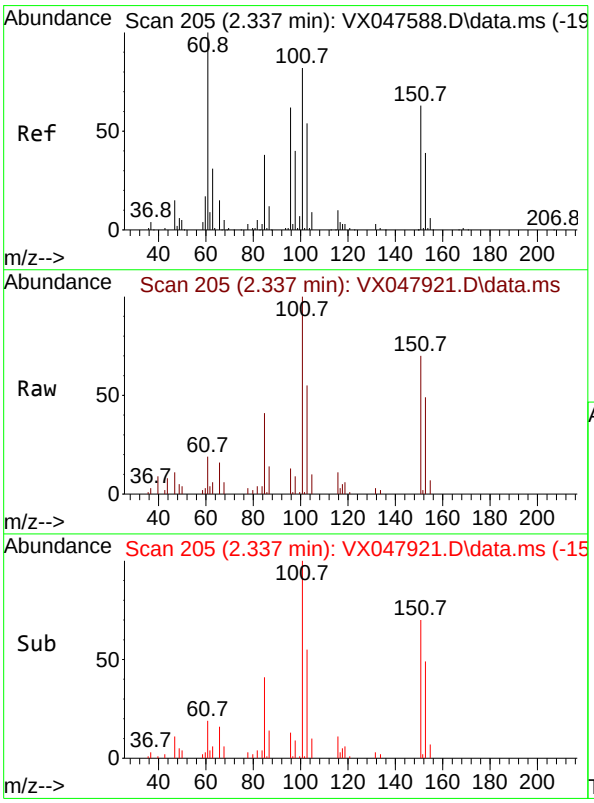
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion:168 Resp: 135542

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.8	73.2

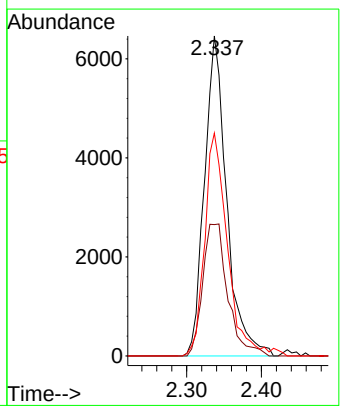


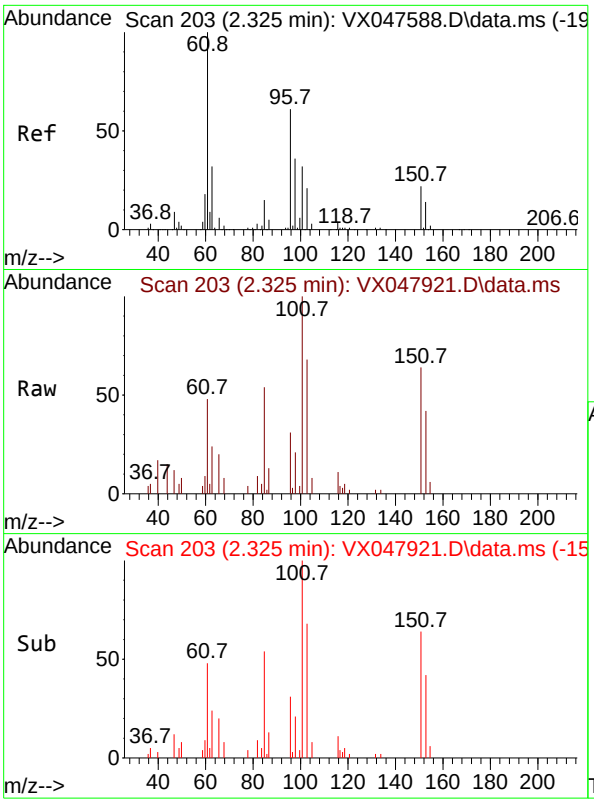


#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.518 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion:101 Resp: 13354

Ion	Ratio	Lower	Upper
101	100		
85	46.4	35.5	53.3
151	71.7	59.4	89.0



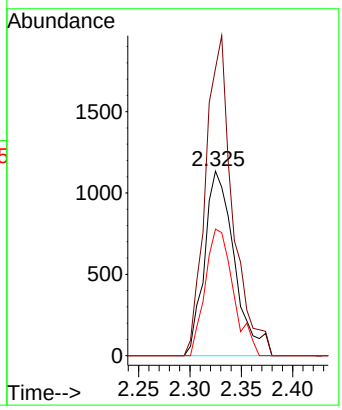


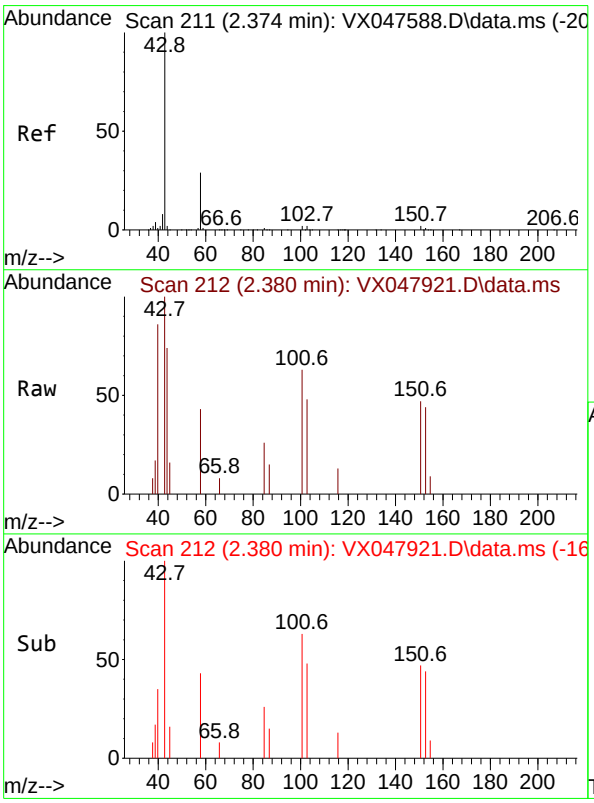
#12
1,1-Dichloroethene
Concen: 1.426 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion: 96 Resp: 2297

Ion	Ratio	Lower	Upper
96	100		
61	143.4	131.0	196.6
98	63.2	47.7	71.5

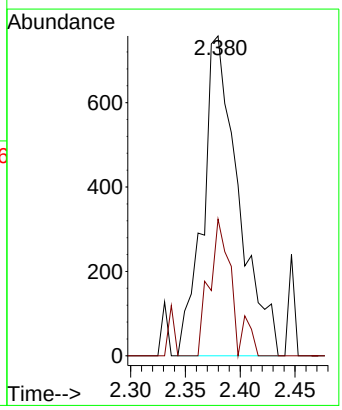


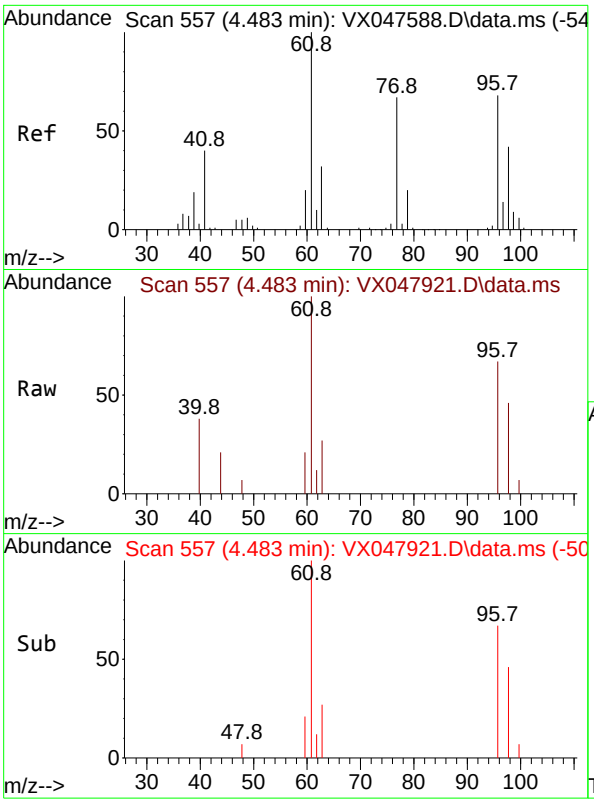


#16
Acetone
Concen: 1.821 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion: 43 Resp: 1708

Ion	Ratio	Lower	Upper
43	100		
58	24.6	23.4	35.0



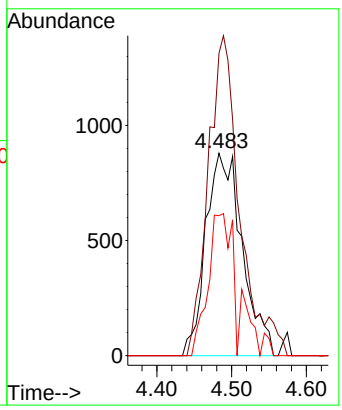


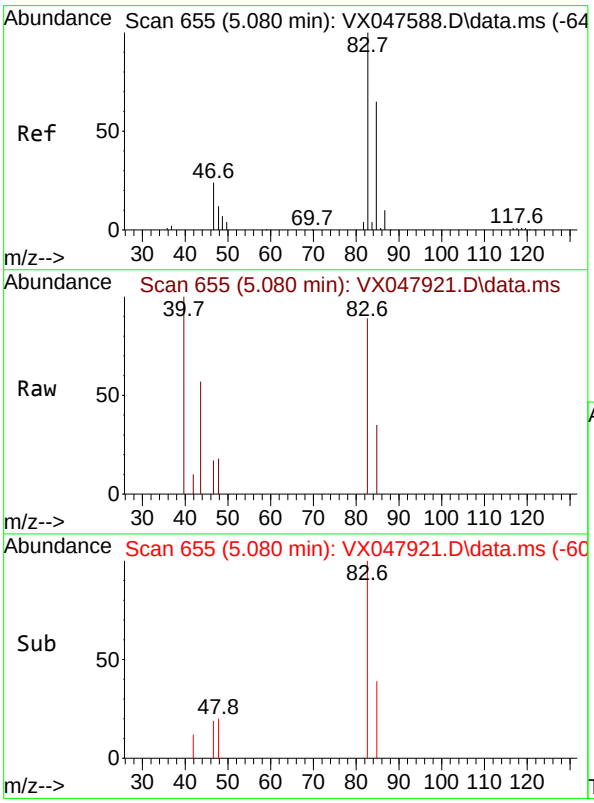
#27
cis-1,2-Dichloroethene
Concen: 1.399 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion: 96 Resp: 2971

Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	303.2
98	52.0	0.0	127.8

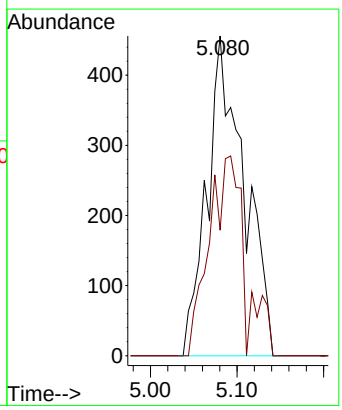


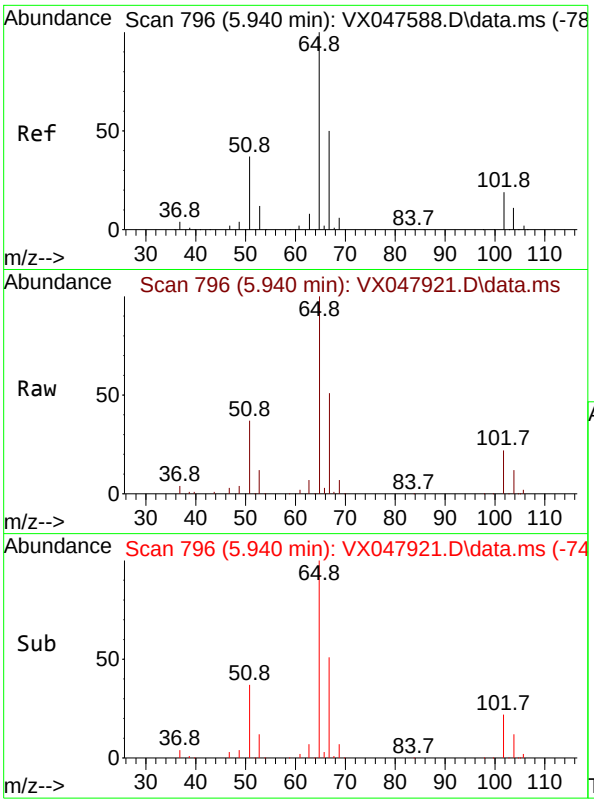


#30
Chloroform
Concen: 0.391 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion: 83 Resp: 1351

Ion	Ratio	Lower	Upper
83	100		
85	39.3	51.8	77.6#



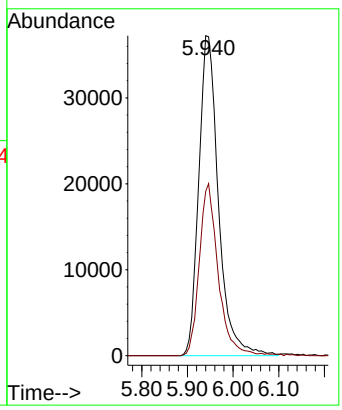


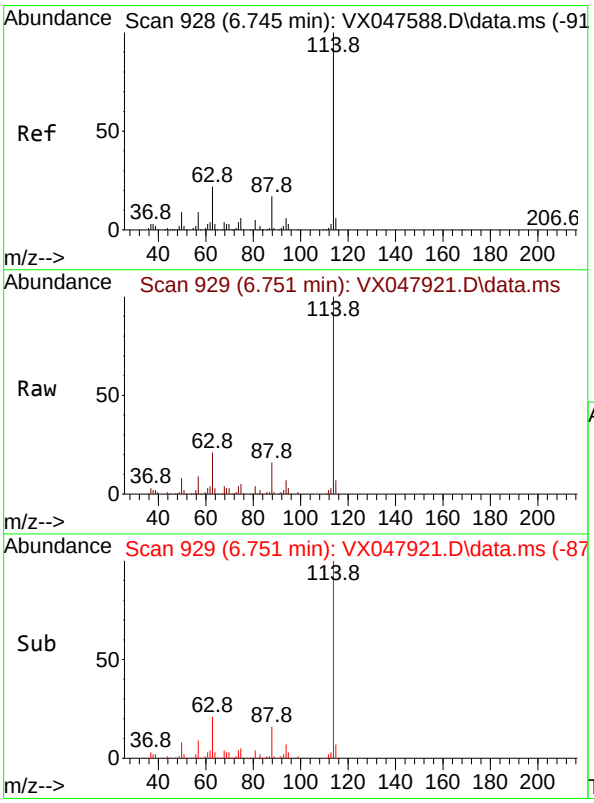
#33
1,2-Dichloroethane-d4
Concen: 51.655 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion: 65 Resp: 111445

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0

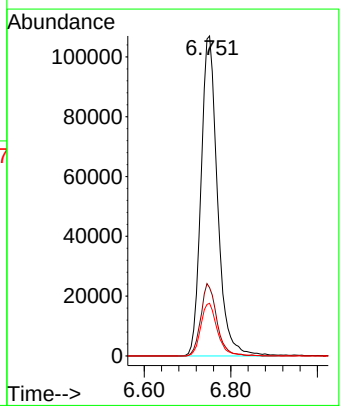


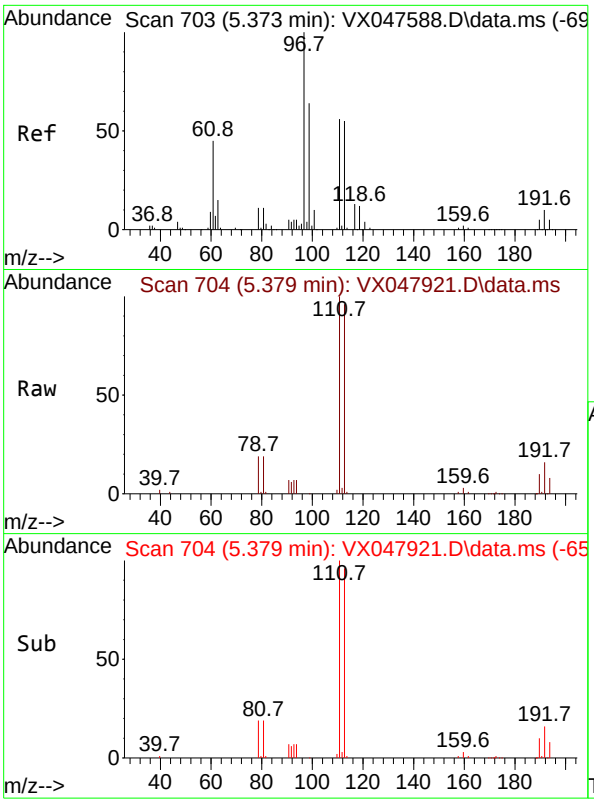


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion:114 Resp: 282690

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.5	0.0	34.2



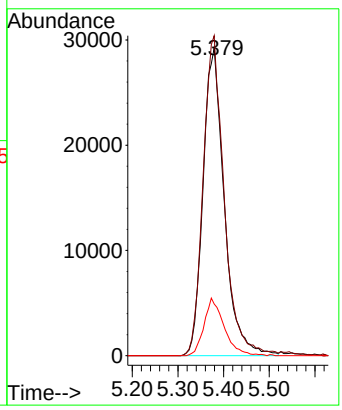


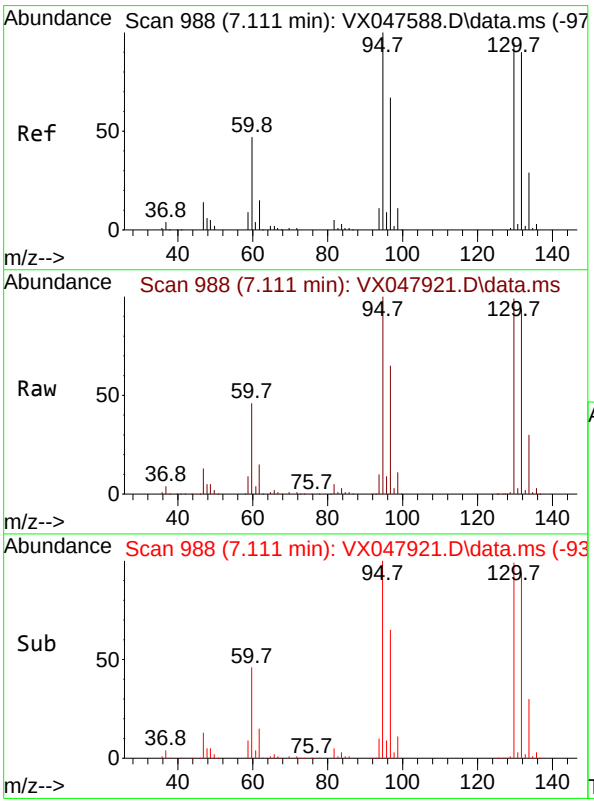
#35
Dibromofluoromethane
Concen: 49.769 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion:113 Resp: 94355

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.8	14.2	21.4

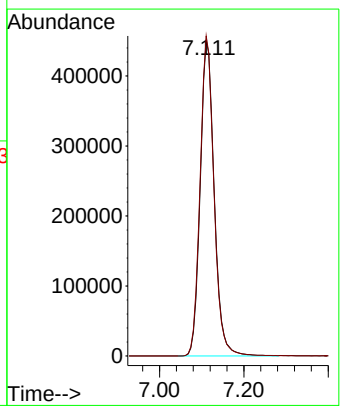


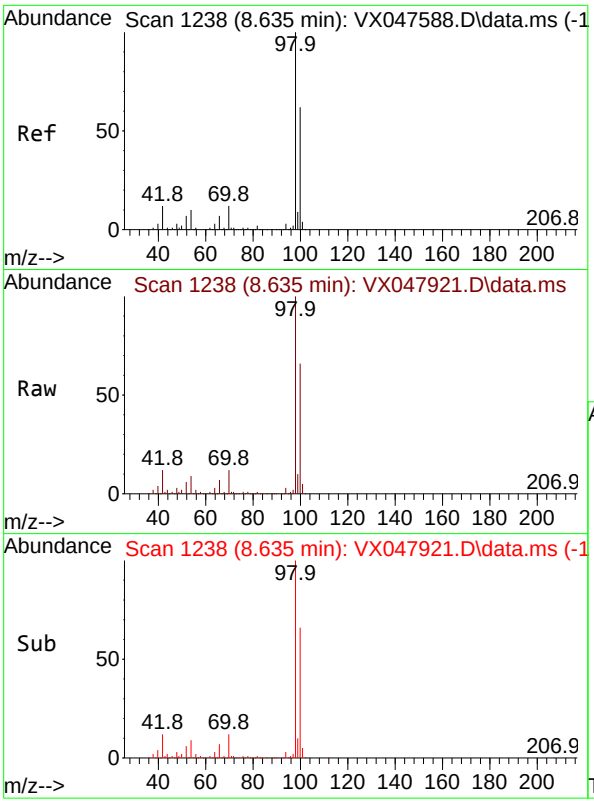


#44
Trichloroethene
Concen: 512.813 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion:130 Resp: 1043184

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8



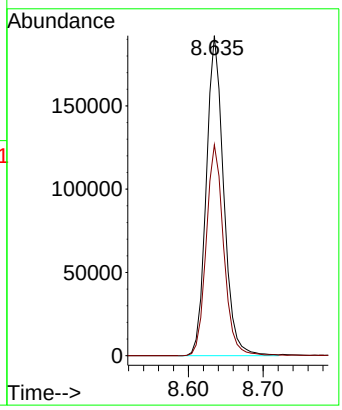


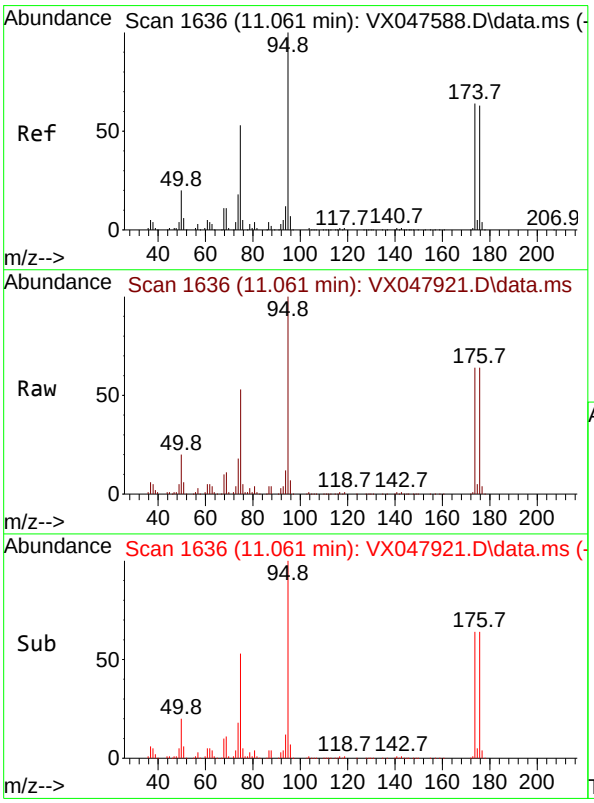
#50
Toluene-d8
Concen: 47.333 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion: 98 Resp: 310507

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

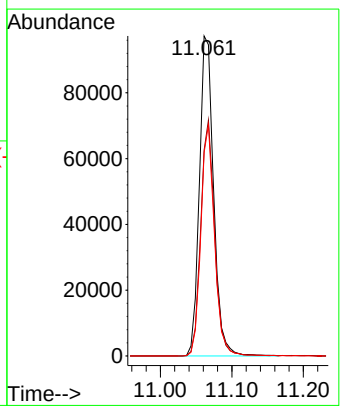


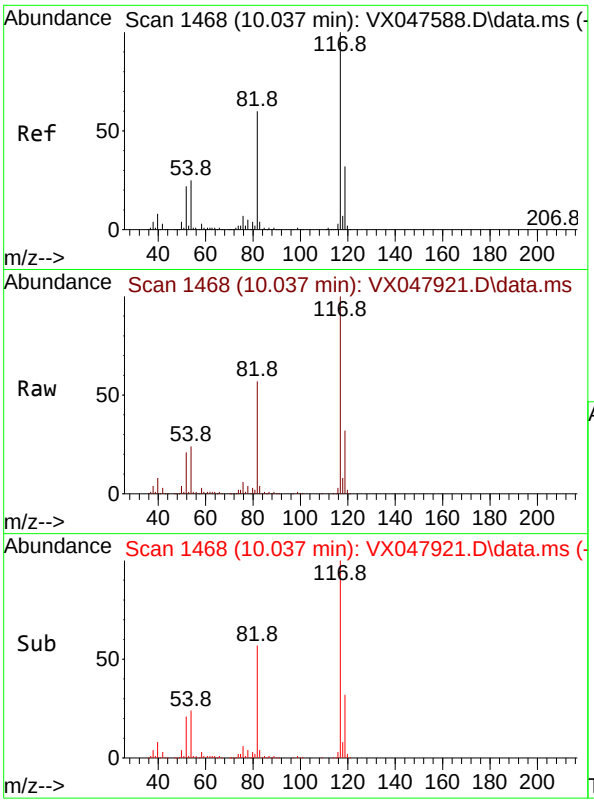


#62
4-Bromofluorobenzene
Concen: 54.053 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion: 95 Resp: 134575

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.3	0.0	138.4



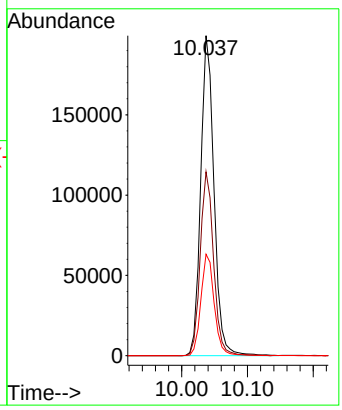


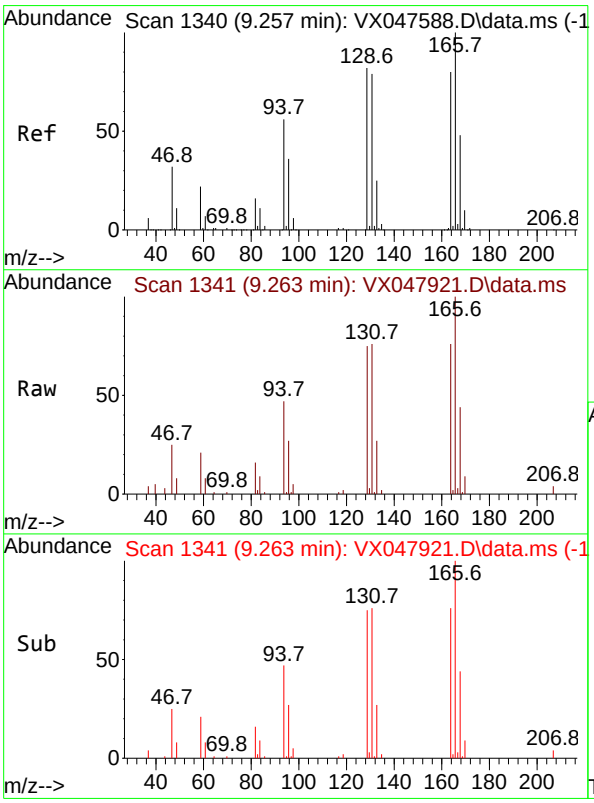
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion:117 Resp: 279849

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.6
119	31.7	25.2	37.8

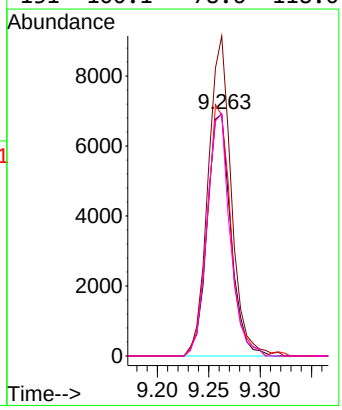


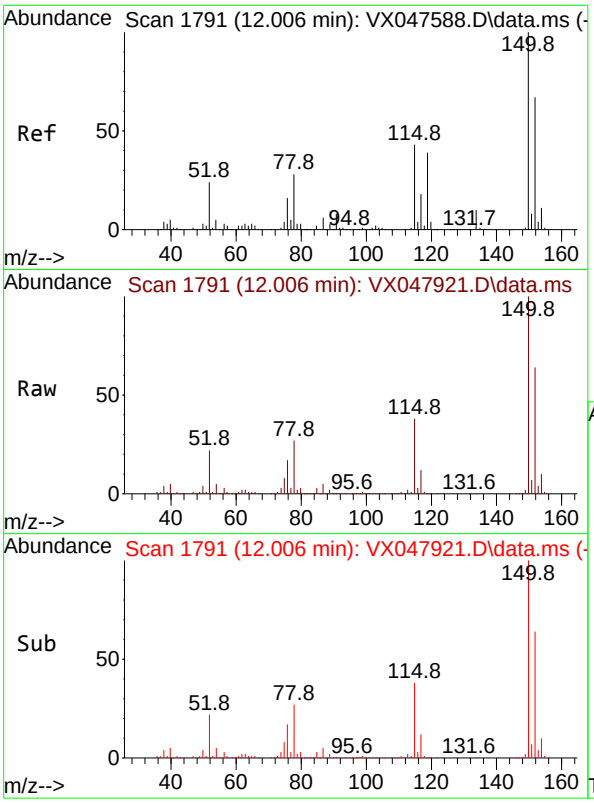


#64
Tetrachloroethene
Concen: 6.058 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Tgt Ion:164 Resp: 11052

Ion	Ratio	Lower	Upper
164	100		
166	132.2	100.2	150.2
129	99.4	81.8	122.6
131	100.1	78.6	118.0



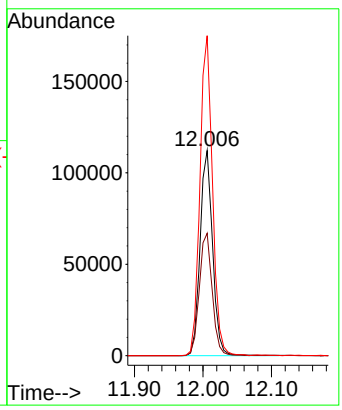


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047921.D
Acq: 30 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923

Tgt Ion:152 Resp: 142951

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.9	134.5
150	155.9	0.0	352.0



Raw Data: **VX047932.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-17DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047932.D	10	10/01/25 12:22	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.20	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.20	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	2.60	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	14.4	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	4.70	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.30	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	8.30	JD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.30	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	15.1	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	2.10	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
79-20-9	Methyl Acetate	7.50	UD	2.70	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	2.80	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.30	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
110-82-7	Cyclohexane	25.0	UD	14.5	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	9.80	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	1.90	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	2.20	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.50	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	2.00	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.60	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.50	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.20	5.00	10.0	ug/L
79-01-6	Trichloroethene	460	D	0.93	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	2.00	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.20	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	6.80	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.40	5.00	10.0	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-17DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047932.D	10	10/01/25 12:22	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	1.70	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.60	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	8.90	25.0	50.0	ug/L
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
106-93-4	1,2-Dibromoethane	5.00	UD	1.50	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.80	JD	2.30	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.20	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.30	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	2.40	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.20	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.50	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	1.90	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.20	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.60	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.60	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	5.30	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	2.00	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	2.00	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	5.544				
540-36-3	1,4-Difluorobenzene	283000	6.751				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.006				

Raw Data: **VX047932.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE103D1-20250923DL	SDG No.:	Q3193
Lab Sample ID:	Q3193-17DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047932.D	10	10/01/25 12:22	VX100125

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\VX100125\
Data File : VX047932.D
Acq On : 01 Oct 2025 12:22
Operator : JC/MD
Sample : Q3193-17DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Quant Time: Oct 03 01:19:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

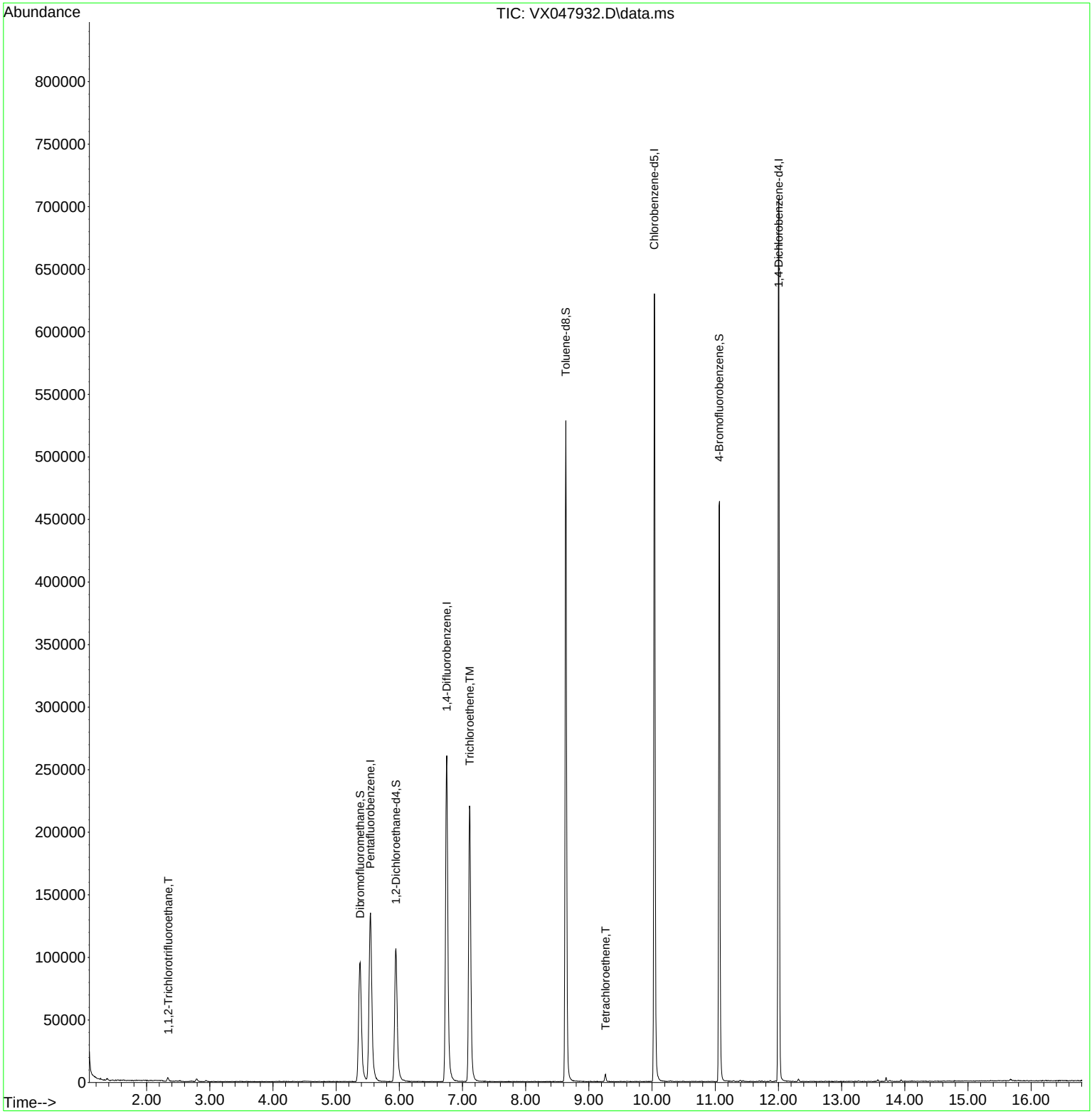
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	282843	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	293609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	148894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114945	53.492	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.980%			
35) Dibromofluoromethane	5.379	113	94476	49.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.635	98	321946	49.050	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.100%			
62) 4-Bromofluorobenzene	11.061	95	138801	55.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.440%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	1288	0.825	ug/l	94
44) Trichloroethene	7.117	130	93082	45.733	ug/l	92
64) Tetrachloroethene	9.263	164	1118	0.584	ug/l #	85

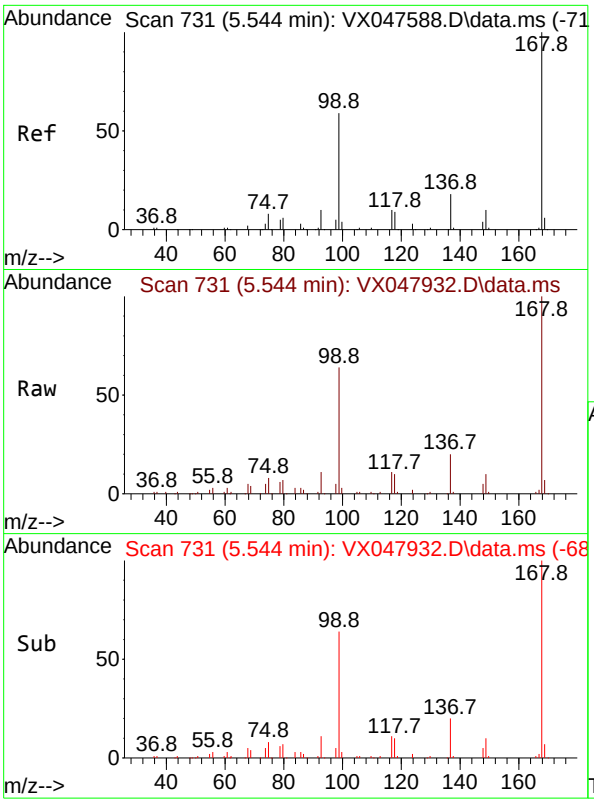
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047932.D
Acq On : 01 Oct 2025 12:22
Operator : JC/MD
Sample : Q3193-17DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Quant Time: Oct 03 01:19:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



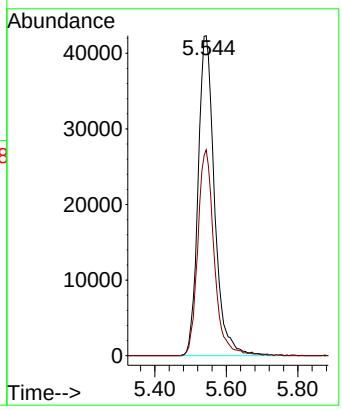


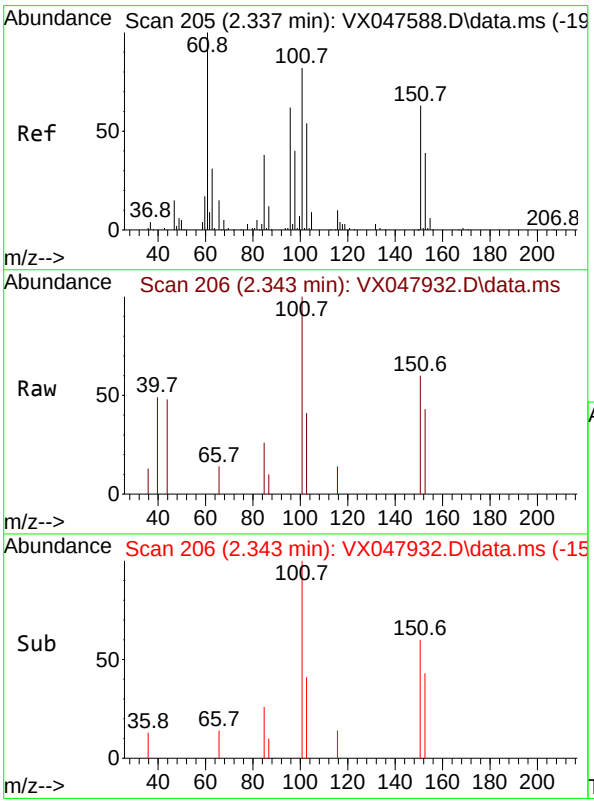
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Tgt Ion:168 Resp: 134999

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.8	73.2

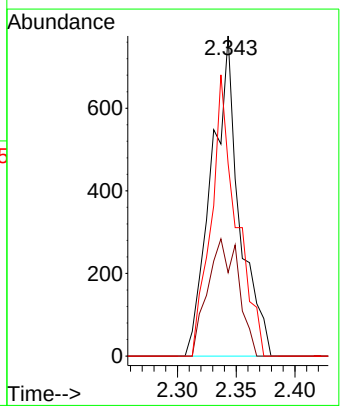


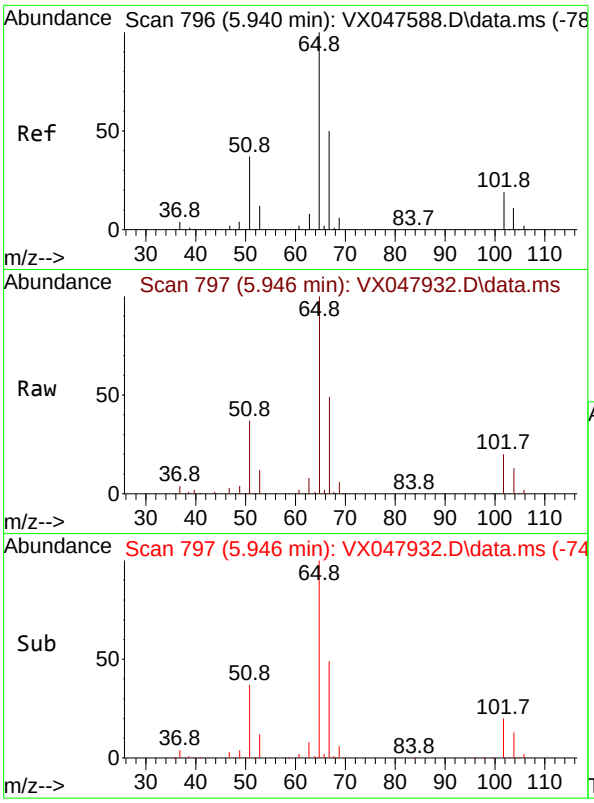


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.825 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Tgt Ion:101 Resp: 1288

Ion	Ratio	Lower	Upper
101	100		
85	40.0	35.5	53.3
151	78.7	59.4	89.0



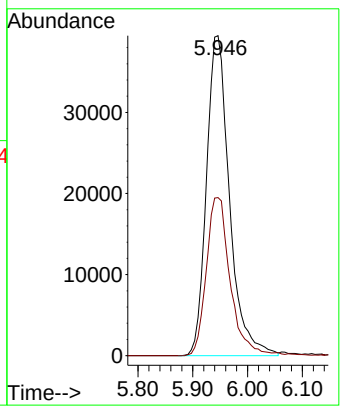


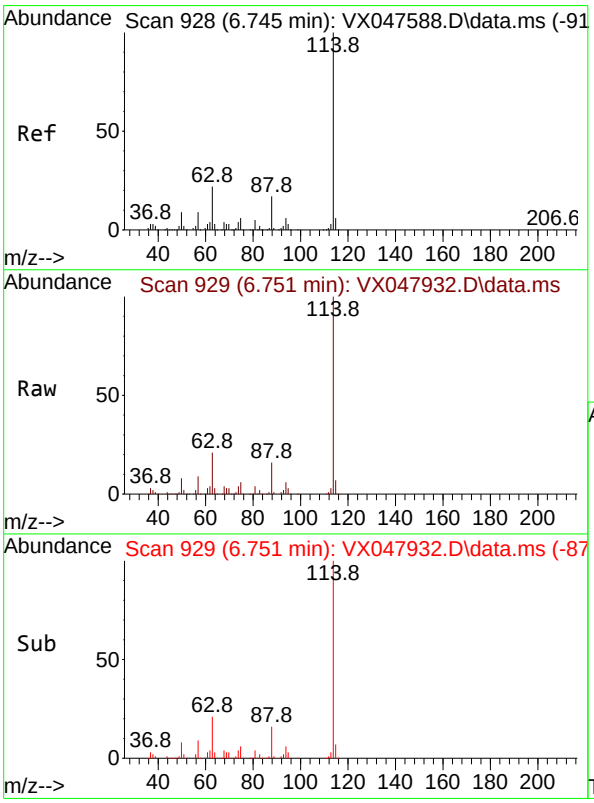
#33
1,2-Dichloroethane-d4
Concen: 53.492 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Tgt Ion: 65 Resp: 114945

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0

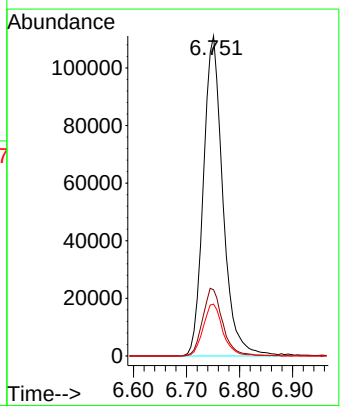


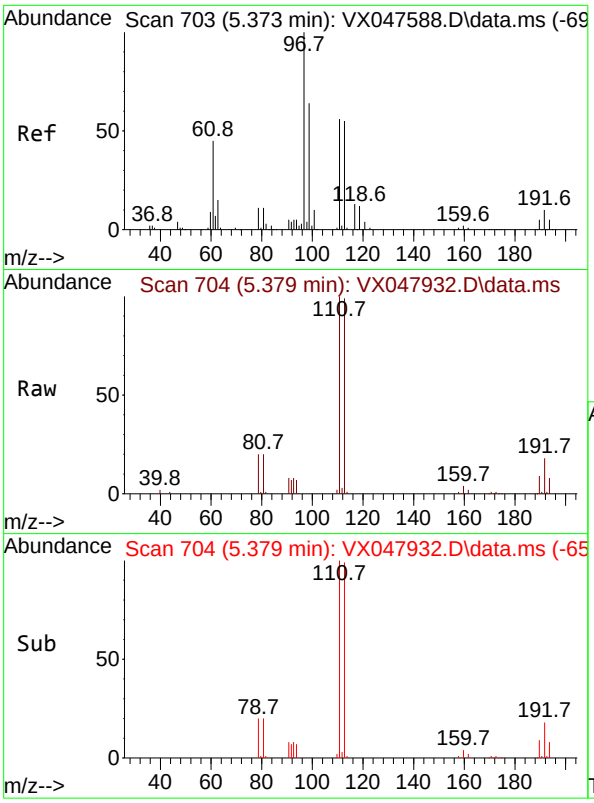


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Tgt Ion:114 Resp: 282843

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	16.2	0.0	34.2



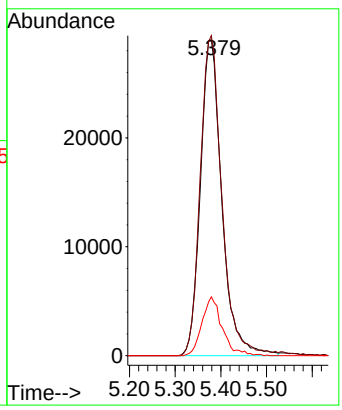


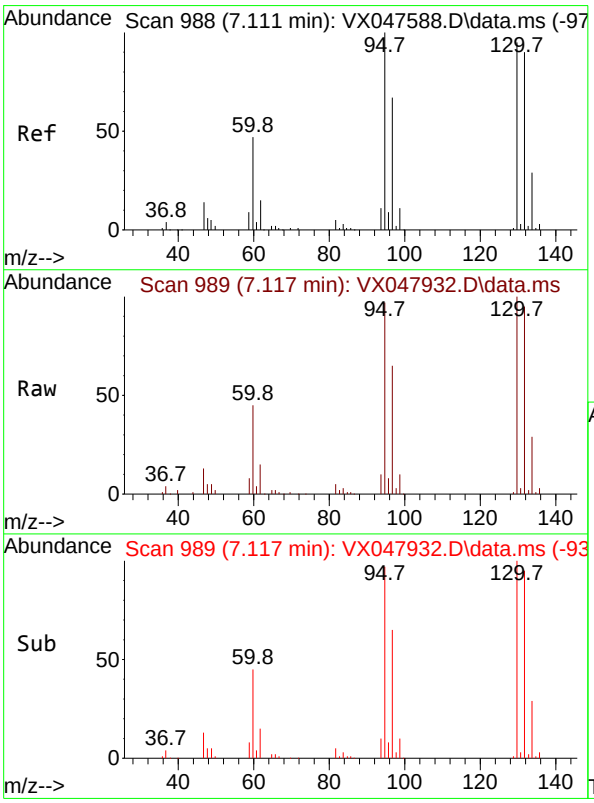
#35
Dibromofluoromethane
Concen: 49.805 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Tgt Ion:113 Resp: 94476

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.6	14.2	21.4

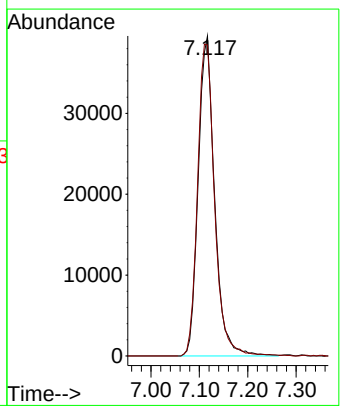


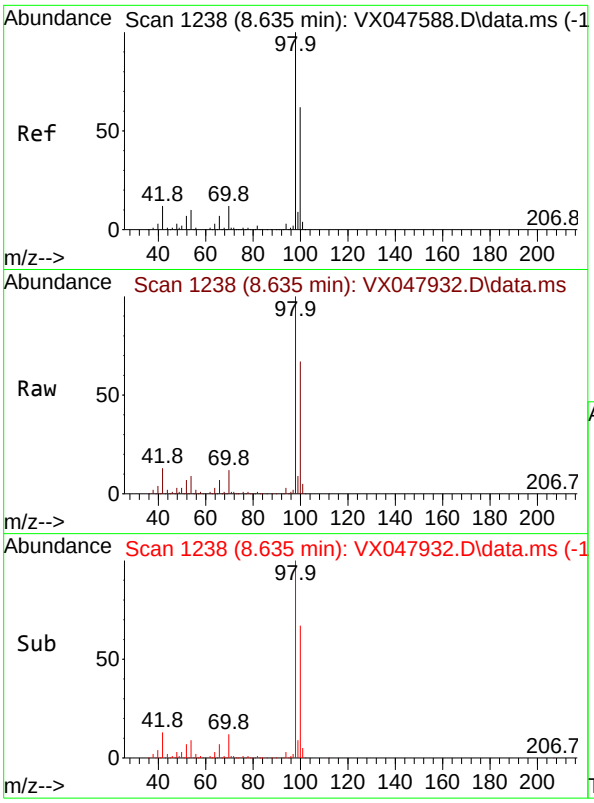


#44
Trichloroethene
Concen: 45.733 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Tgt Ion:130 Resp: 93082

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	210.8



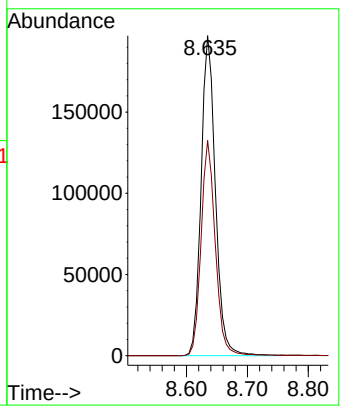


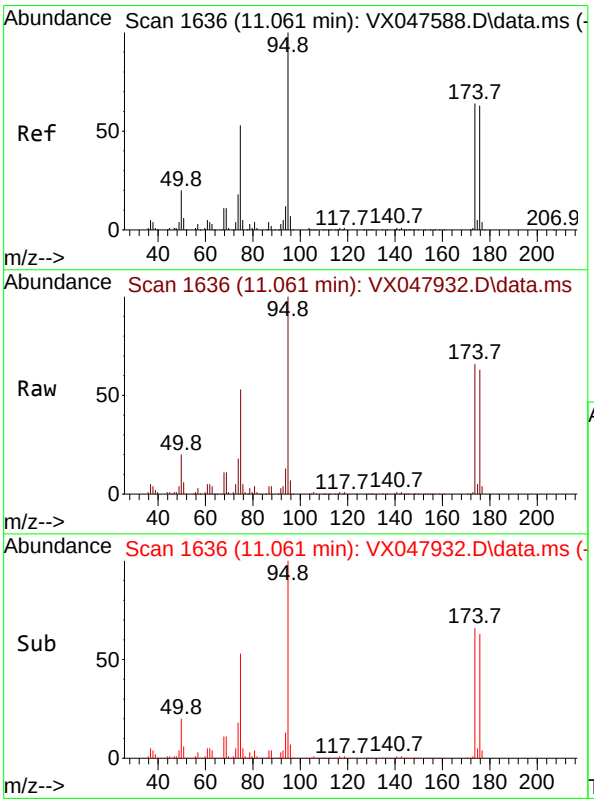
#50
Toluene-d8
Concen: 49.050 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Tgt Ion: 98 Resp: 321946

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

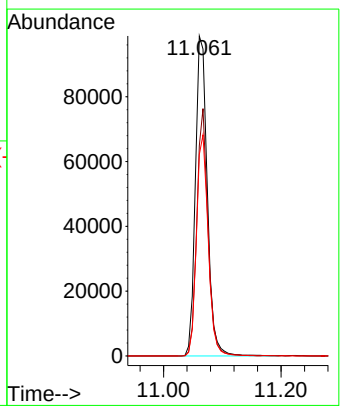


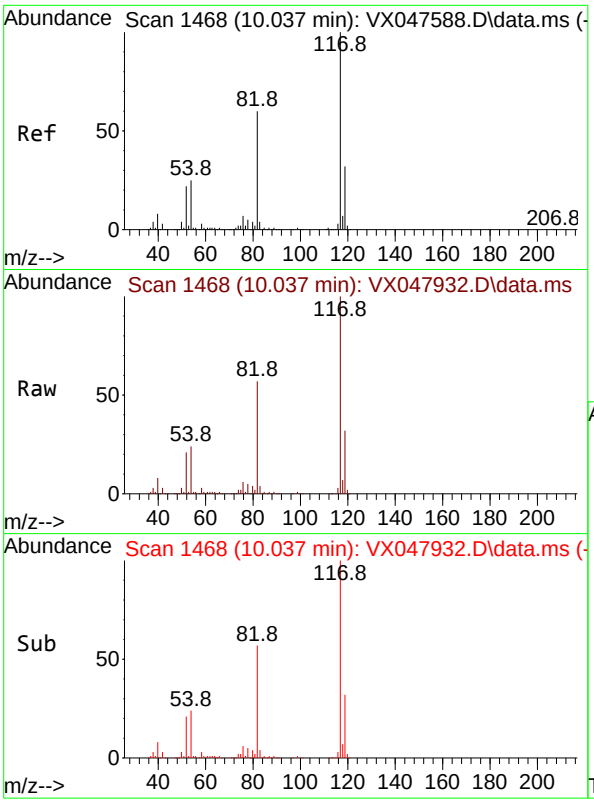


#62
4-Bromofluorobenzene
Concen: 55.720 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Tgt Ion: 95 Resp: 138801

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	68.0	0.0	138.4



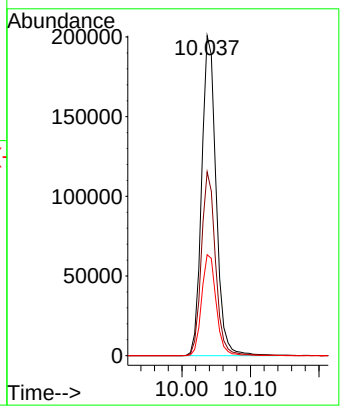


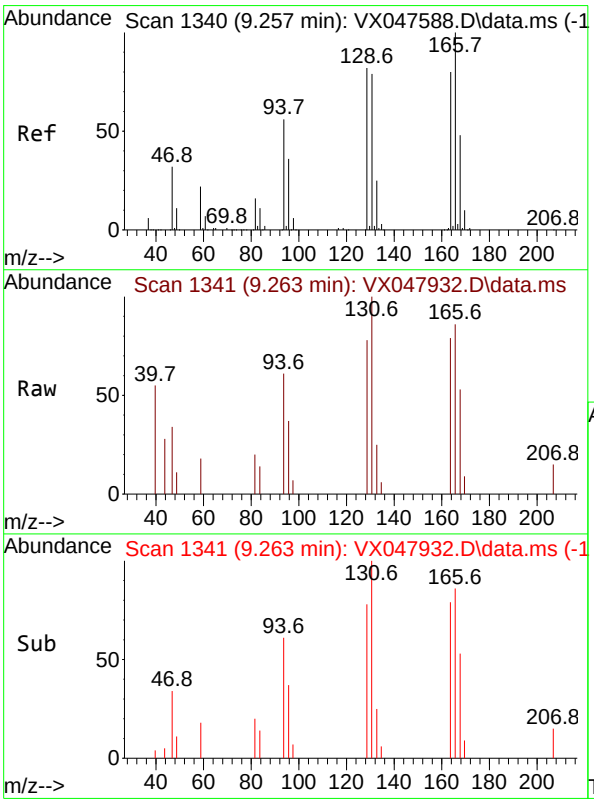
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Tgt Ion:117 Resp: 293609

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.6	25.2	37.8

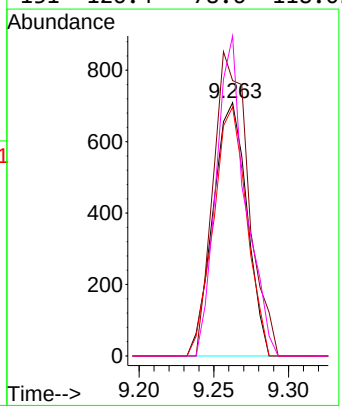


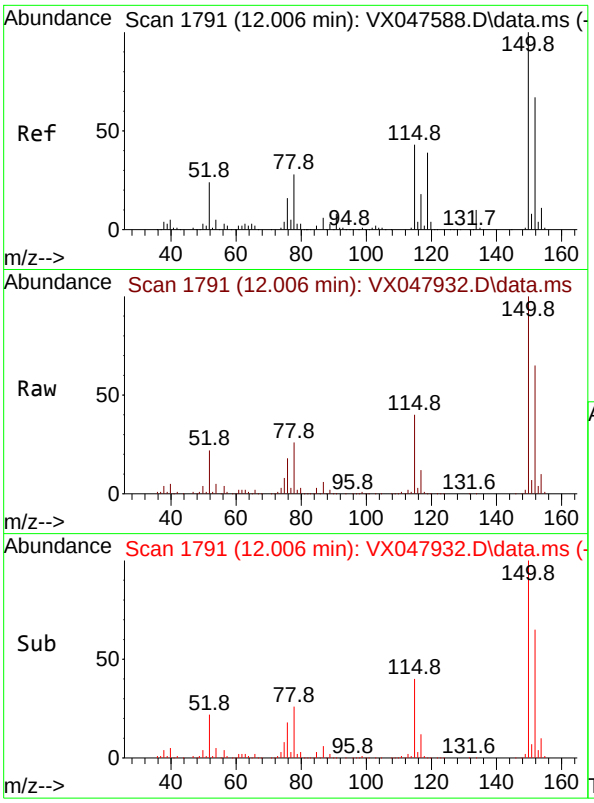


#64
Tetrachloroethene
Concen: 0.584 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Tgt Ion:164 Resp: 1118

Ion	Ratio	Lower	Upper
164	100		
166	108.7	100.2	150.2
129	98.3	81.8	122.6
131	126.4	78.6	118.0#



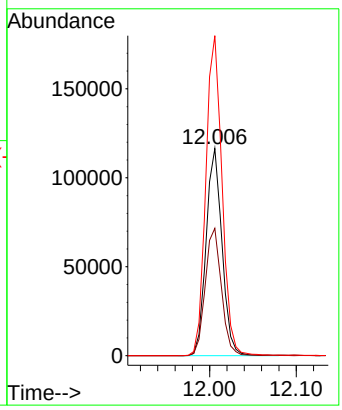


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047932.D
Acq: 01 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20250923DL

Tgt Ion:152 Resp: 148894

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.9	134.5
150	157.2	0.0	352.0



Raw Data: **VX047941.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	MW203D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-18	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047941.D	1	10/01/25 15:30	VX100125

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	0.53	J	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.90	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	0.32	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	1.20		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	2.20		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	0.32	J	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	12.3		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

Raw Data: **VX047941.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	MW203D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-18	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047941.D	1	10/01/25 15:30	VX100125

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	0.87	J	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	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	142000	5.544				
540-36-3	1,4-Difluorobenzene	297000	6.751				
3114-55-4	Chlorobenzene-d5	304000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	151000	12.006				

Raw Data: **VX047941.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	MW203D-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-18	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047941.D	1	10/01/25 15:30	VX100125

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\VX100125\
Data File : VX047941.D
Acq On : 01 Oct 2025 15:30
Operator : JC/MD
Sample : Q3193-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Quant Time: Oct 03 01:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

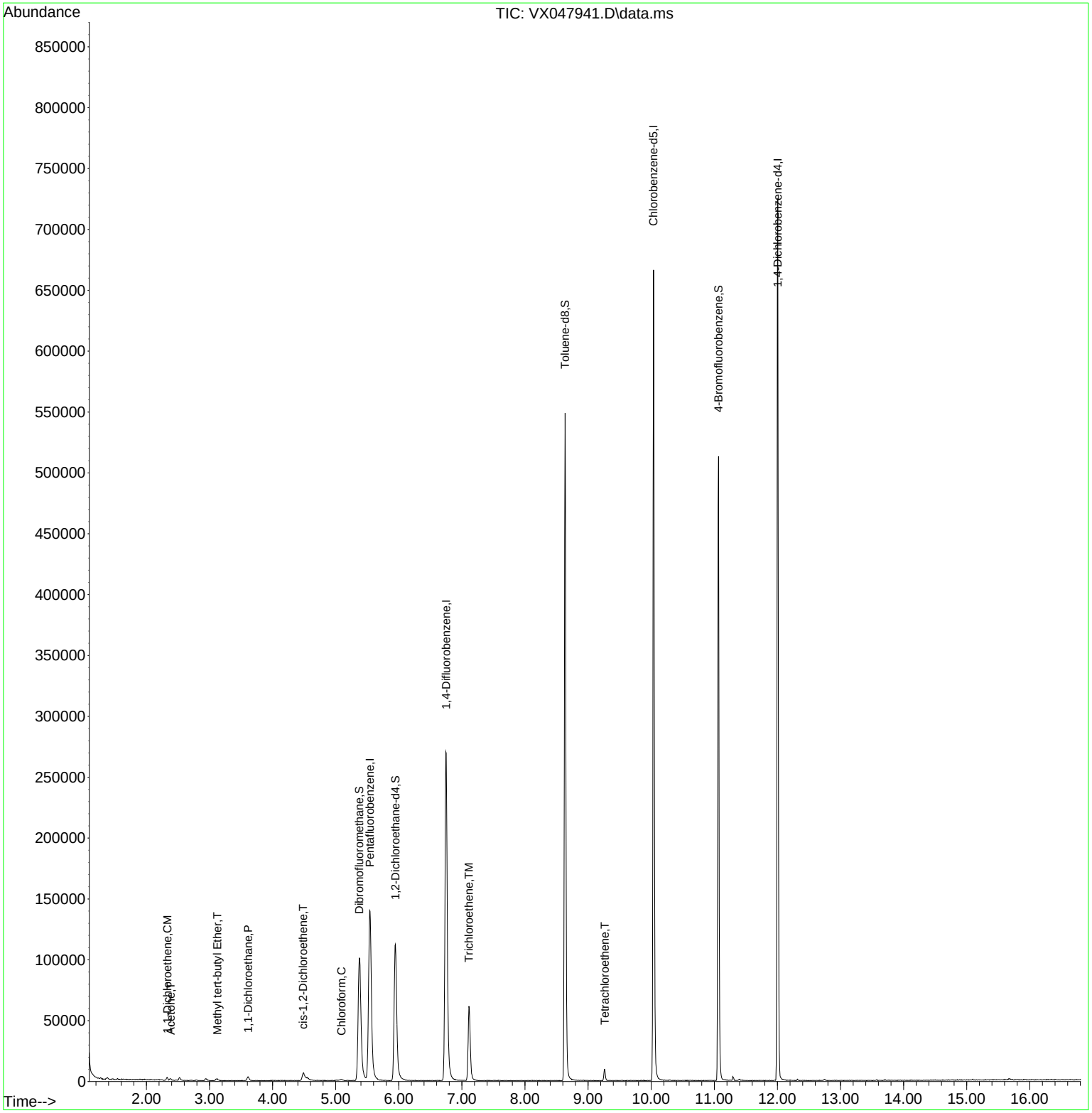
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	142268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	297268	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	304101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122524	54.105	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.220%			
35) Dibromofluoromethane	5.373	113	99694	50.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.635	98	336034	48.712	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.420%			
62) 4-Bromofluorobenzene	11.067	95	144029	55.014	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.020%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.331	96	897	0.531	ug/l	79
16) Acetone	2.386	43	1883	1.912	ug/l #	82
19) Methyl tert-butyl Ether	3.123	73	1953	0.317	ug/l	92
24) 1,1-Dichloroethane	3.611	63	4216	1.173	ug/l #	85
27) cis-1,2-Dichloroethene	4.483	96	4851	2.177	ug/l	88
30) Chloroform	5.093	83	1166	0.321	ug/l	97
44) Trichloroethene	7.110	130	26386	12.335	ug/l	93
64) Tetrachloroethene	9.263	164	1731	0.873	ug/l	91

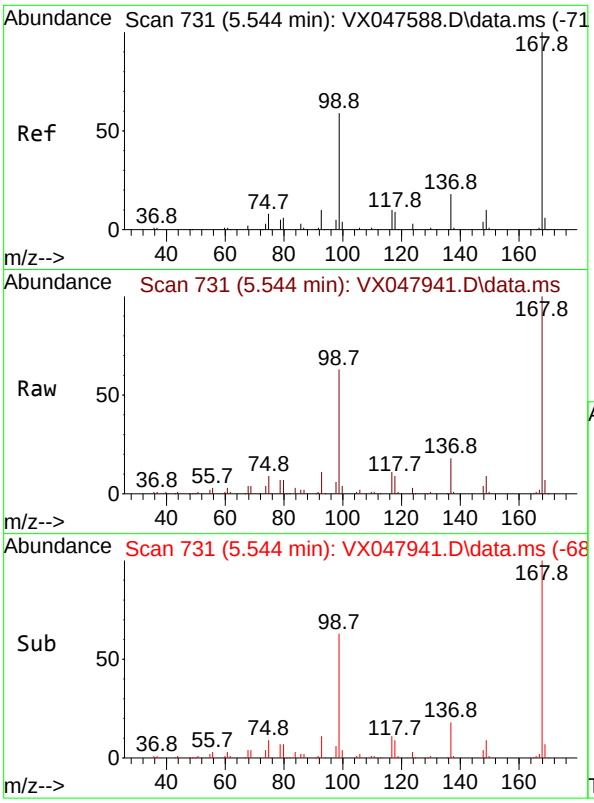
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047941.D
Acq On : 01 Oct 2025 15:30
Operator : JC/MD
Sample : Q3193-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Quant Time: Oct 03 01:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



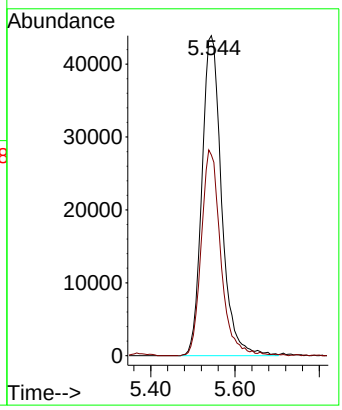


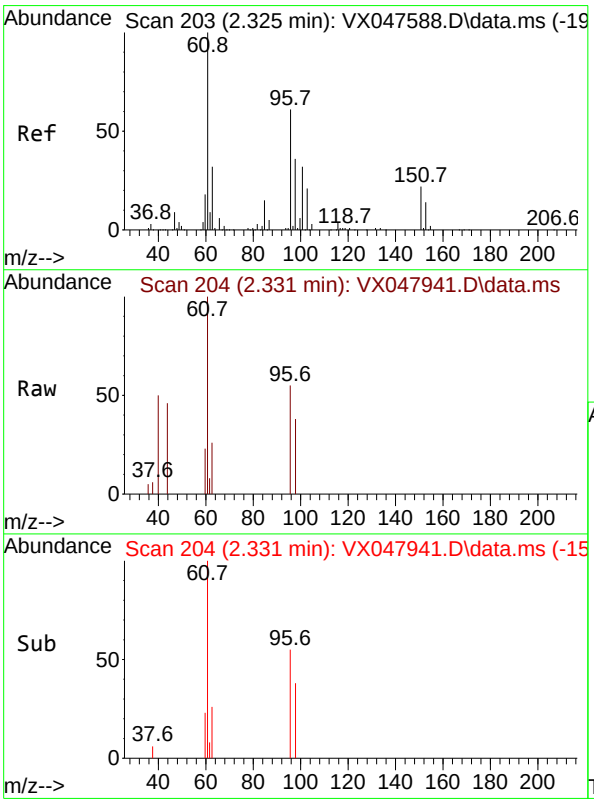
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion:168 Resp: 142268

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.8	73.2

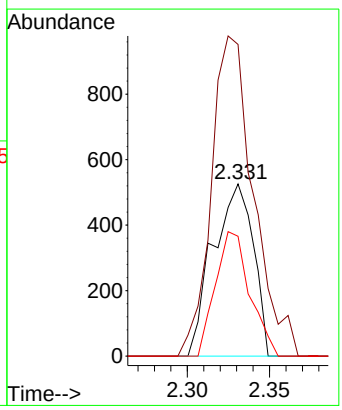


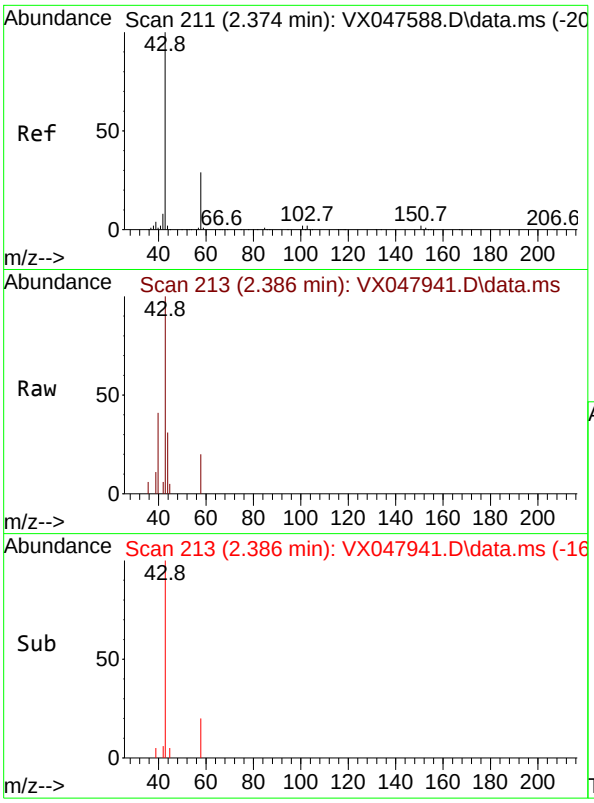


#12
1,1-Dichloroethene
Concen: 0.531 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 96 Resp: 897

Ion	Ratio	Lower	Upper
96	100		
61	195.4	131.0	196.6
98	69.6	47.7	71.5



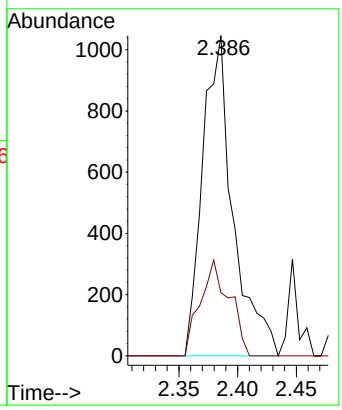


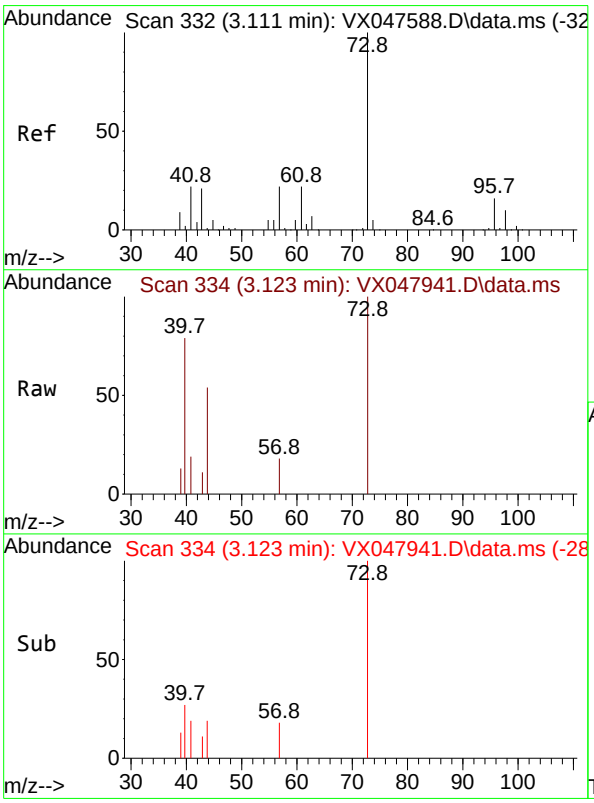
#16
Acetone
Concen: 1.912 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion: 43 Resp: 1883

Ion	Ratio	Lower	Upper
43	100		
58	19.7	23.4	35.0#

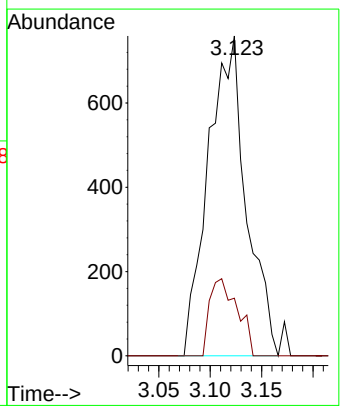


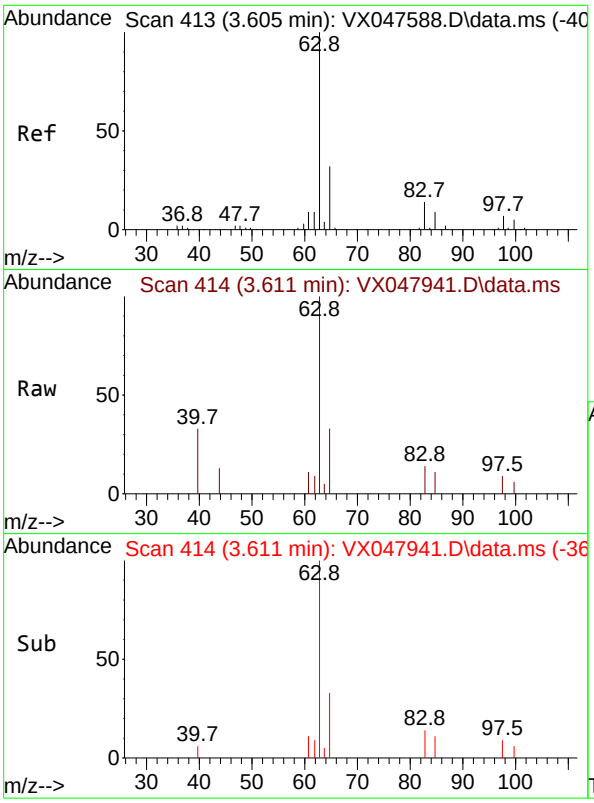


#19
Methyl tert-butyl Ether
Concen: 0.317 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 73 Resp: 1953

Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.4	26.2



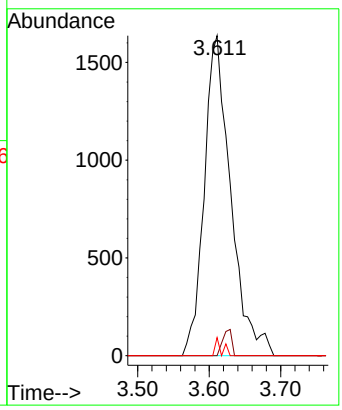


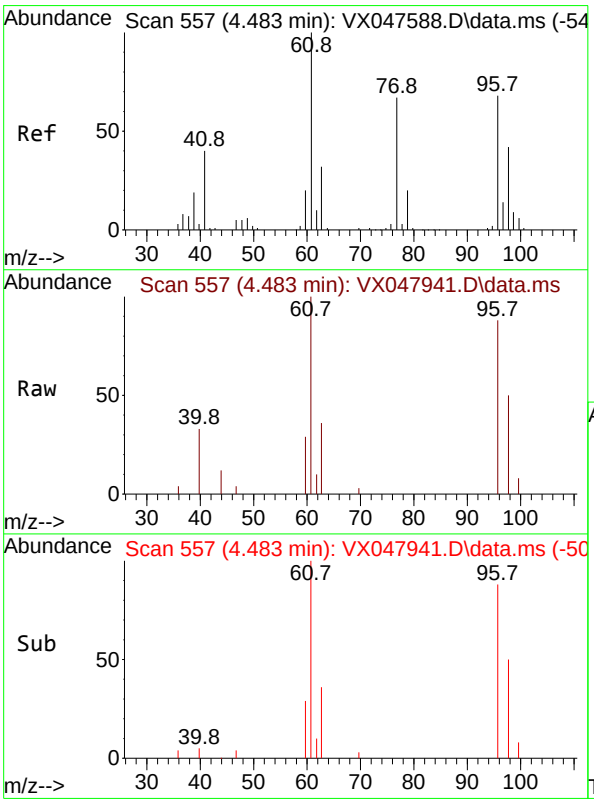
#24
1,1-Dichloroethane
Concen: 1.173 ug/l
RT: 3.611 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion: 63 Resp: 4216

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	5.7	2.3	6.9

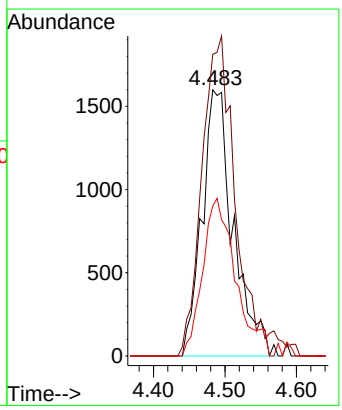


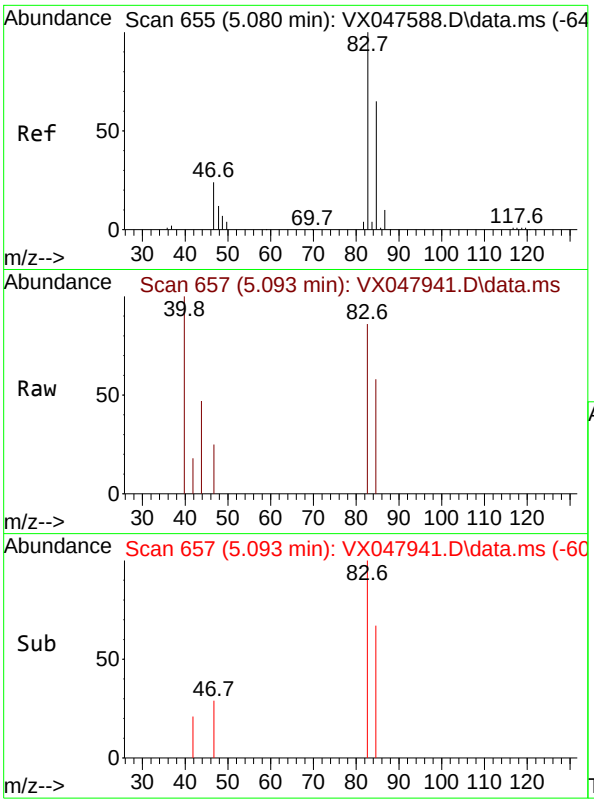


#27
cis-1,2-Dichloroethene
Concen: 2.177 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 96 Resp: 4851

Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	303.2
98	62.6	0.0	127.8



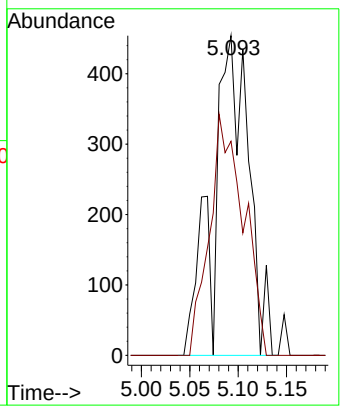


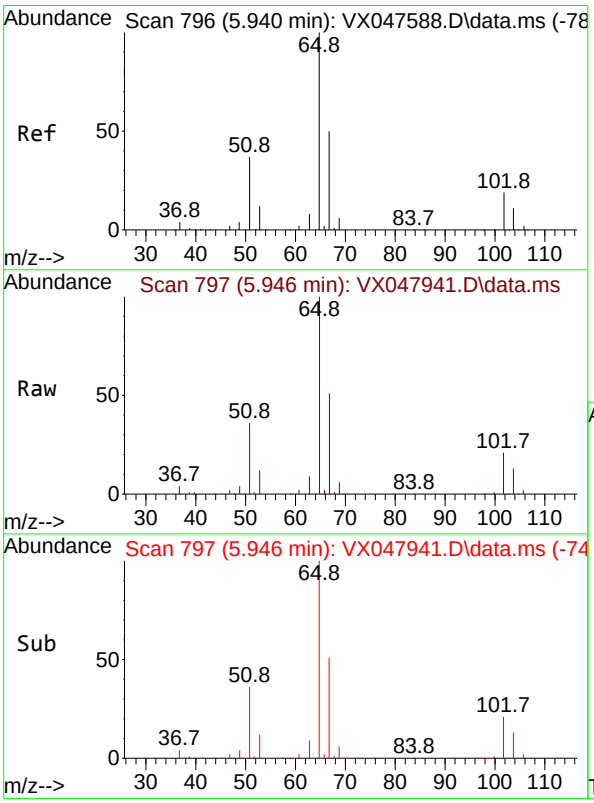
#30
Chloroform
Concen: 0.321 ug/l
RT: 5.093 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion: 83 Resp: 1166

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.6

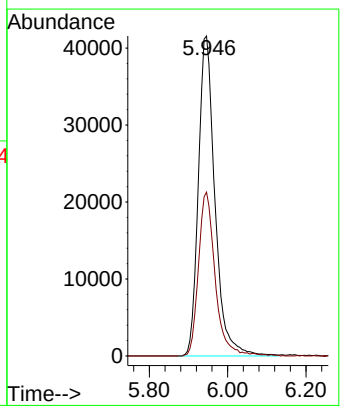


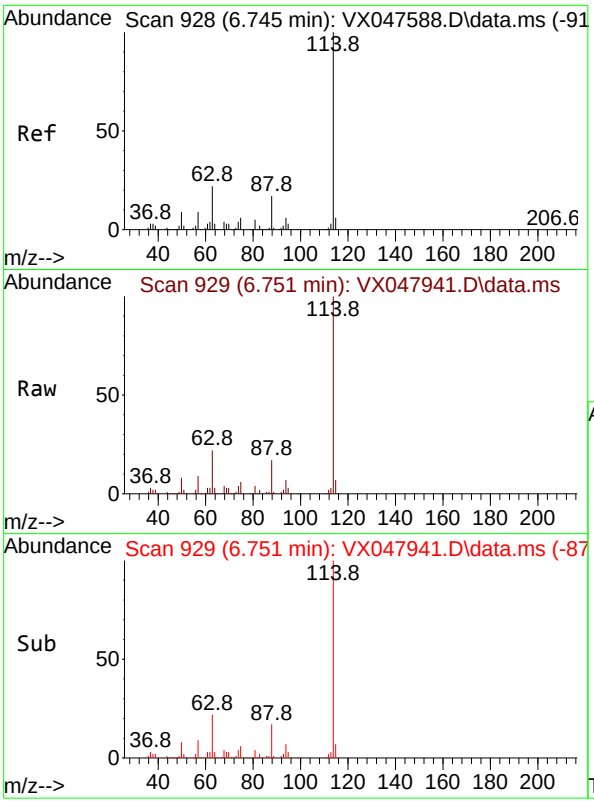


#33
1,2-Dichloroethane-d4
Concen: 54.105 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 65 Resp: 122524

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



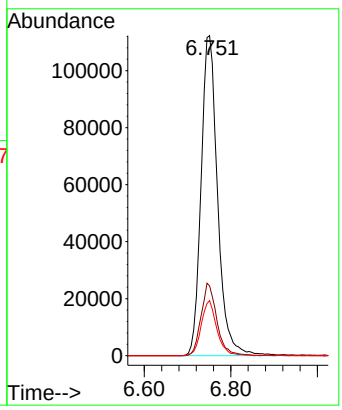


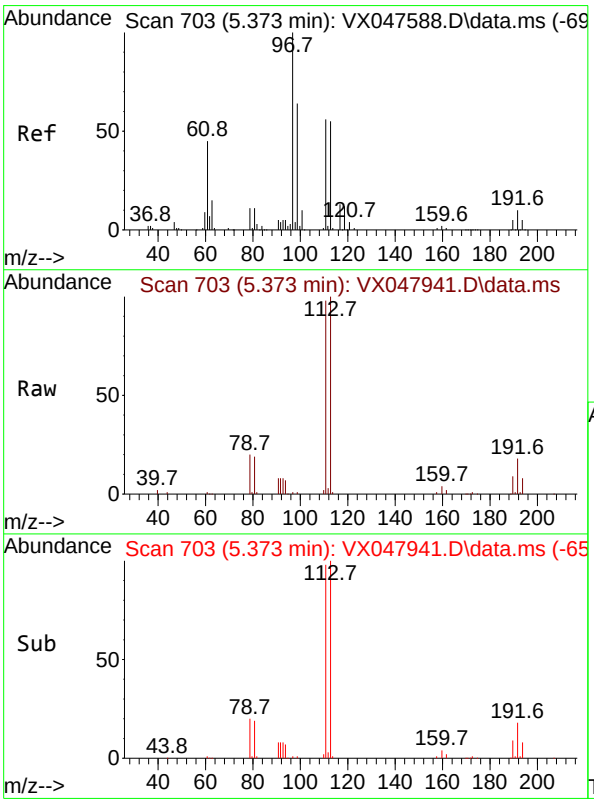
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion:114 Resp: 297268

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	17.2	0.0	34.2

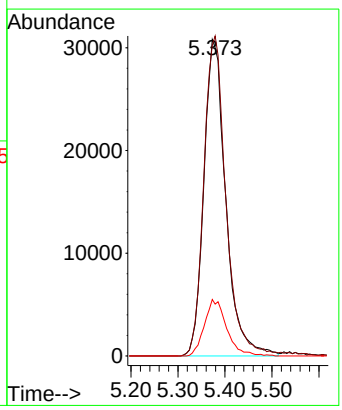


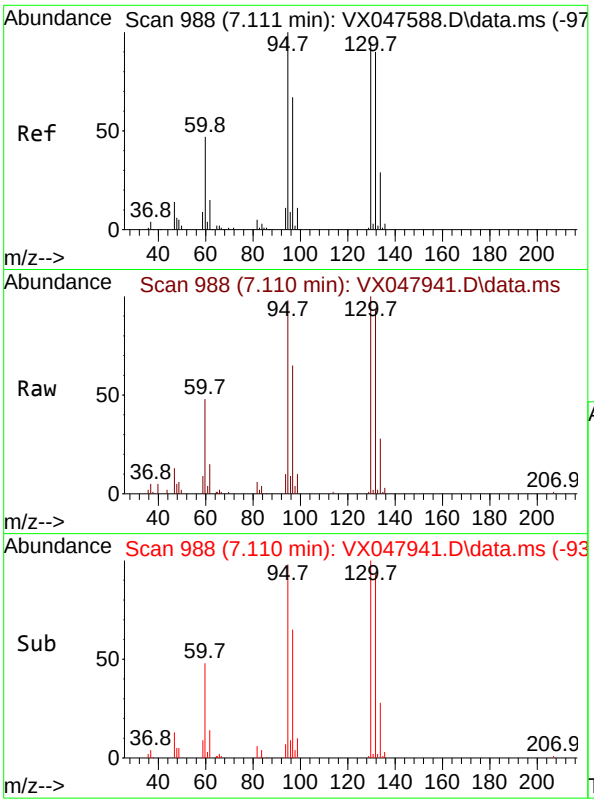


#35
Dibromofluoromethane
Concen: 50.006 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion:113 Resp: 99694

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	18.2	14.2	21.4



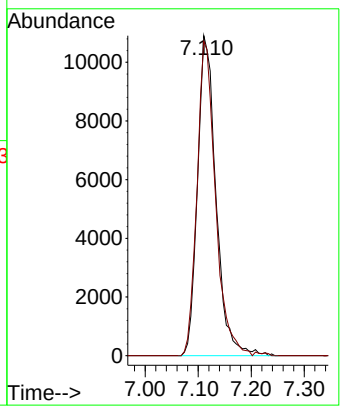


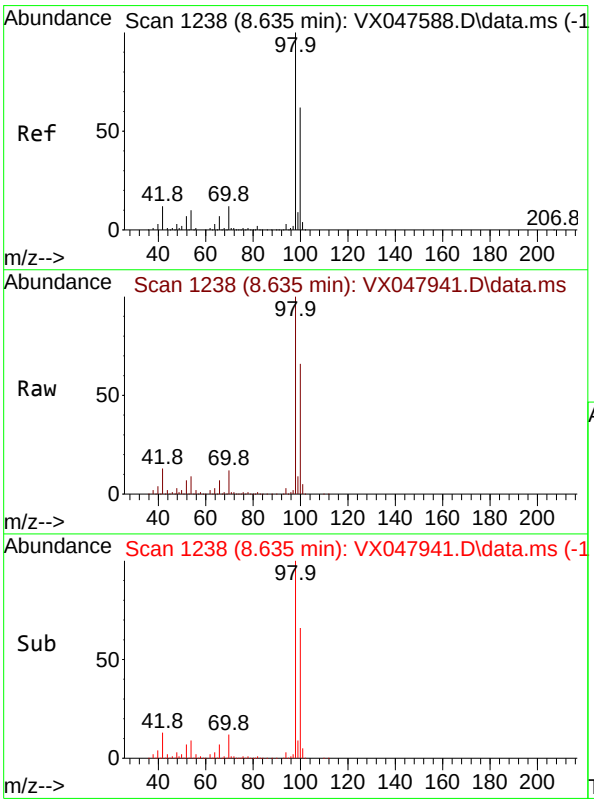
#44
Trichloroethene
Concen: 12.335 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion:130 Resp: 26386

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	210.8

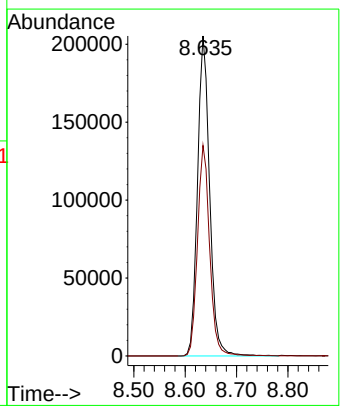


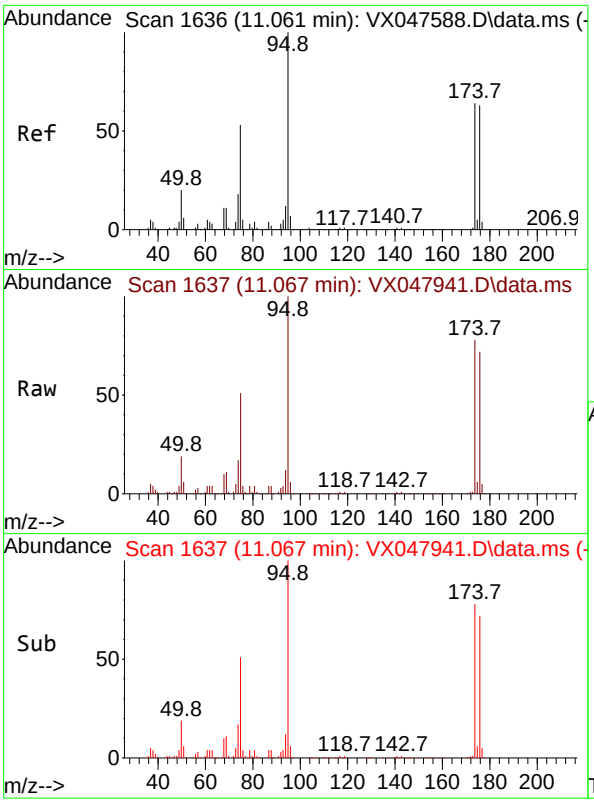


#50
Toluene-d8
Concen: 48.712 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 98 Resp: 336034

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



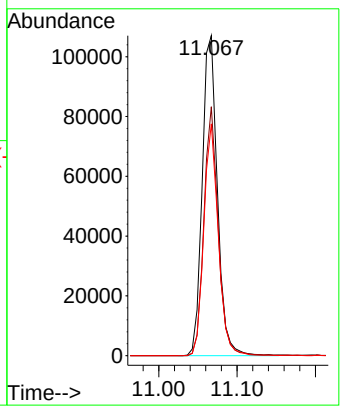


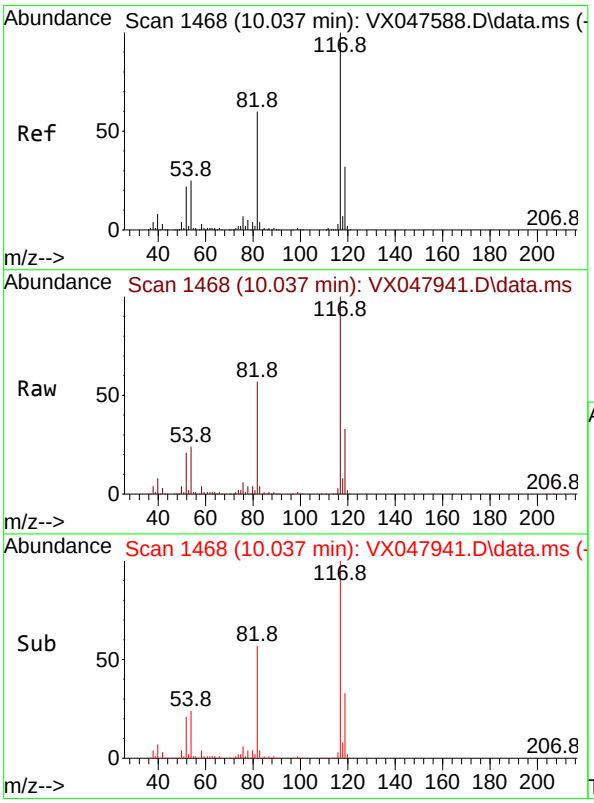
#62
4-Bromofluorobenzene
Concen: 55.014 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion: 95 Resp: 144029

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	69.1	0.0	138.4

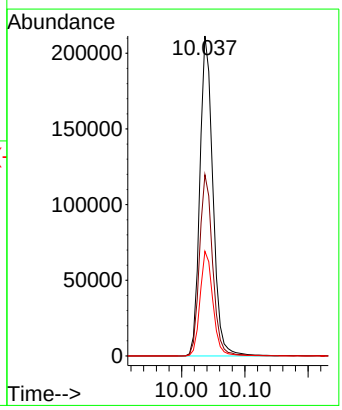


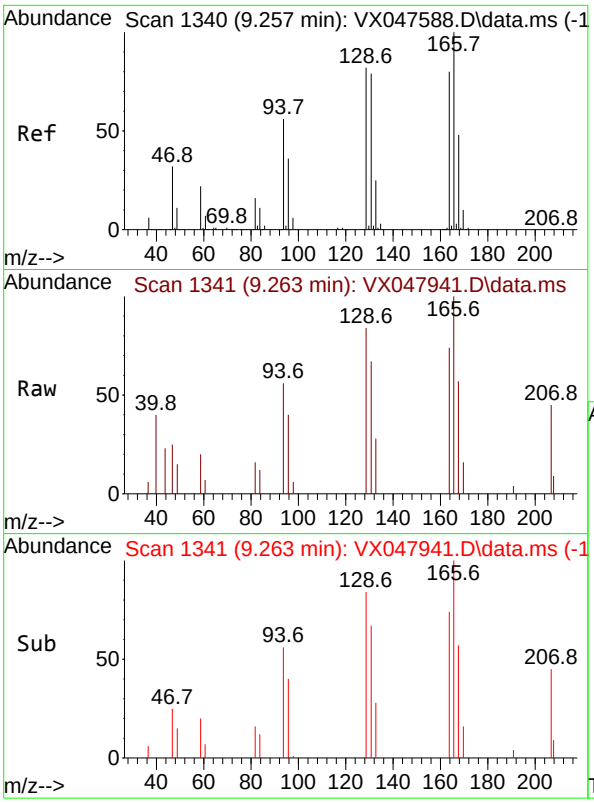


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion:117 Resp: 304101

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.8	71.6
119	32.7	25.2	37.8



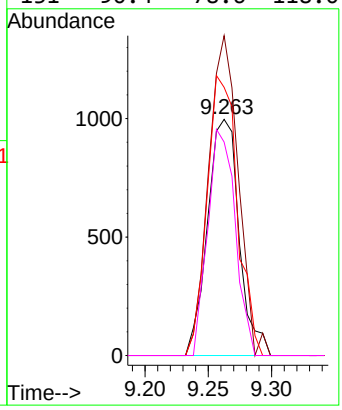


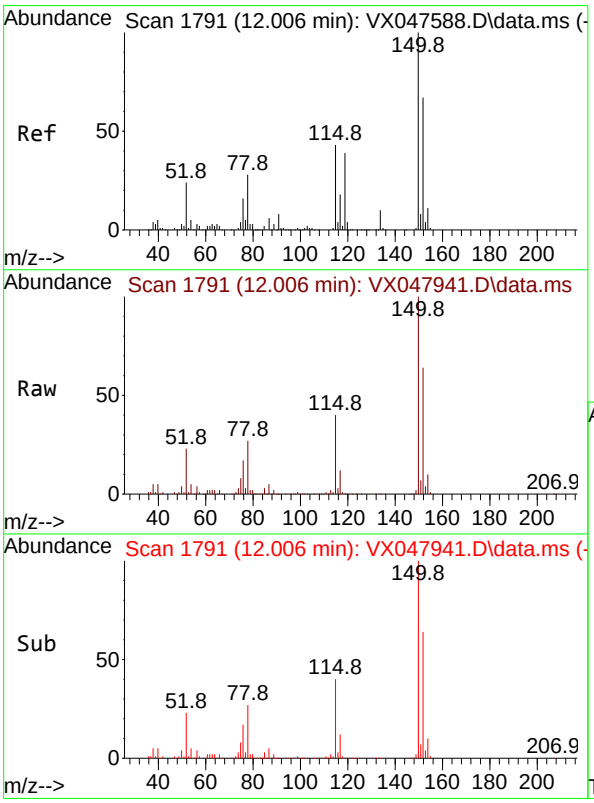
#64
Tetrachloroethene
Concen: 0.873 ug/l
RT: 9.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion:164 Resp: 1731

Ion	Ratio	Lower	Upper
164	100		
166	135.4	100.2	150.2
129	113.5	81.8	122.6
131	90.4	78.6	118.0

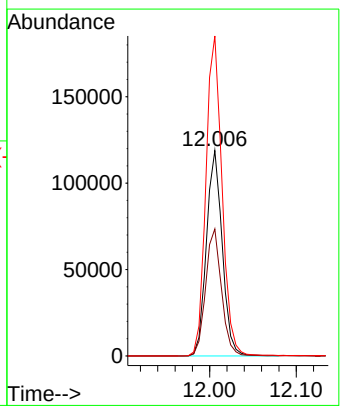




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion:152 Resp: 151044

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	158.4	0.0	352.0



Raw Data: **VX047988.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	EB04-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047988.D	1	10/03/25 13:09	VX100325

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:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	EB04-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047988.D	1	10/03/25 13:09	VX100325

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	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	263000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.006				

Raw Data: **VX047988.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	EB04-20250923	SDG No.:	Q3193
Lab Sample ID:	Q3193-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047988.D	1	10/03/25 13:09	VX100325

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\VX100325\
Data File : VX047988.D
Acq On : 03 Oct 2025 13:09
Operator : JC/MD
Sample : Q3193-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB04-20250923

Quant Time: Oct 03 23:46:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

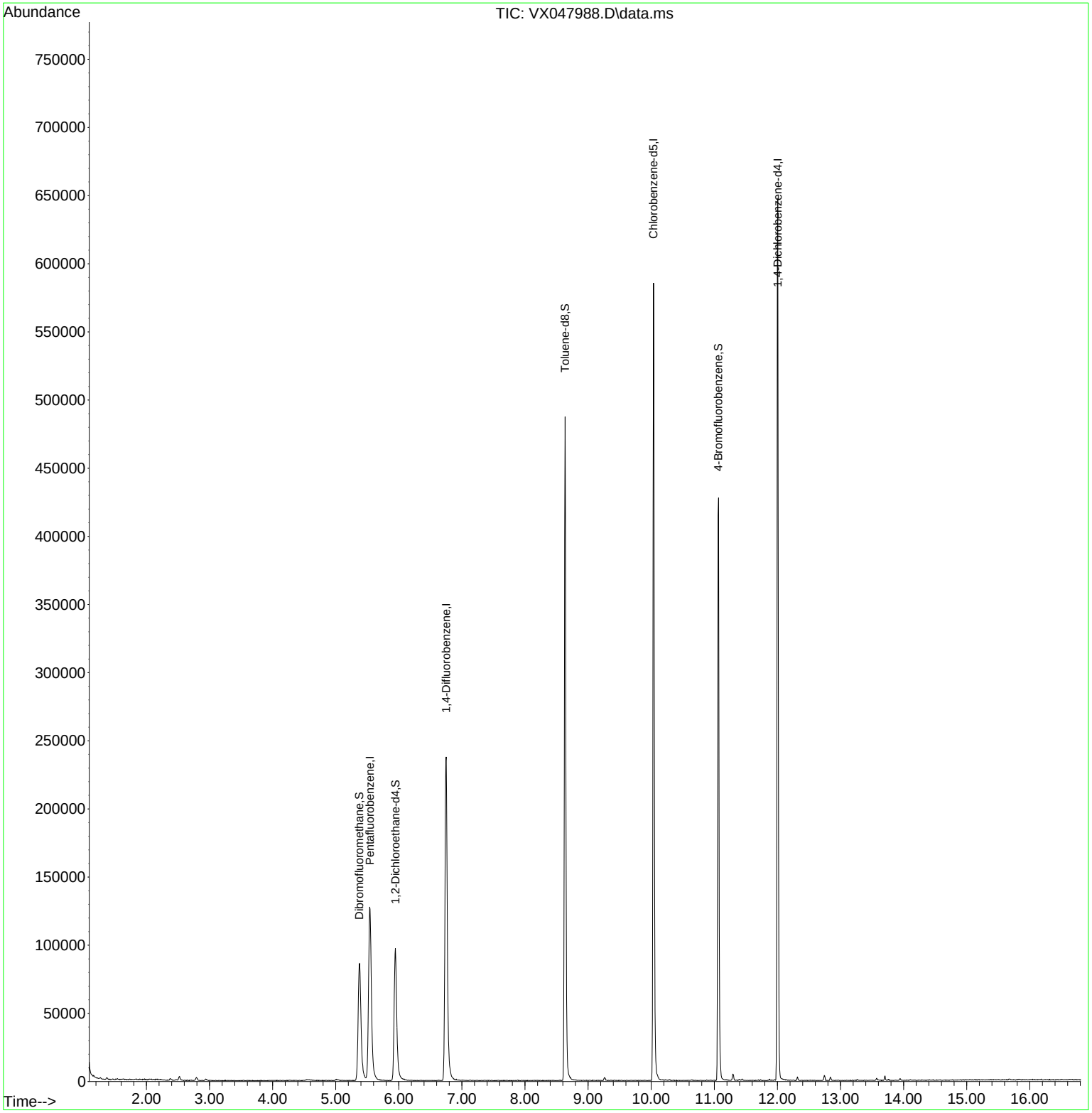
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	263211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104463	50.494	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.980%			
35) Dibromofluoromethane	5.373	113	85003	48.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.300%			
50) Toluene-d8	8.635	98	292943	47.960	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.920%			
62) 4-Bromofluorobenzene	11.061	95	126344	54.503	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.000%			
Target Compounds						Qvalue

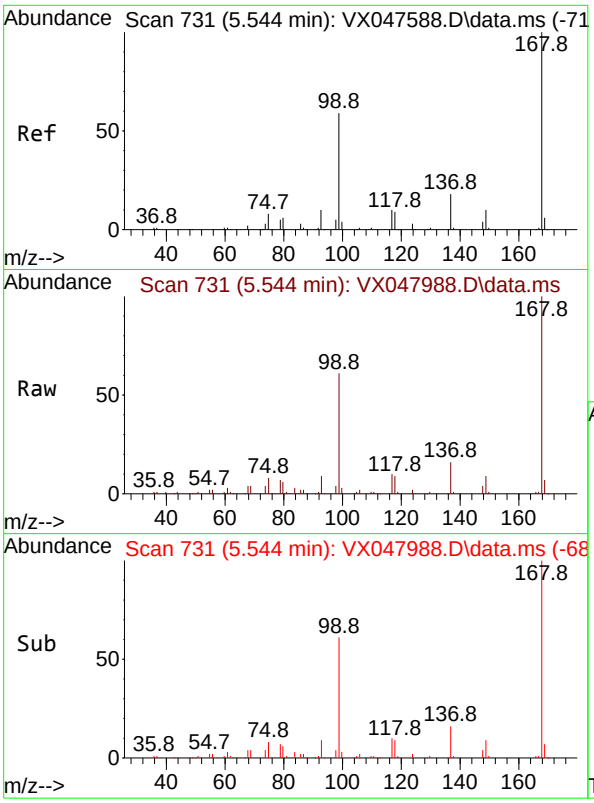
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047988.D
Acq On : 03 Oct 2025 13:09
Operator : JC/MD
Sample : Q3193-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB04-20250923

Quant Time: Oct 03 23:46:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



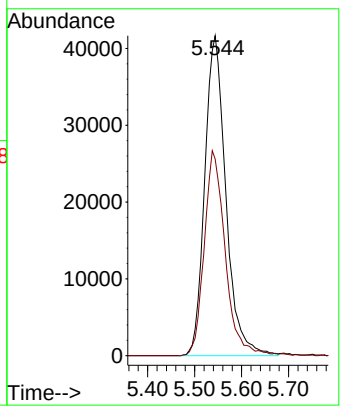


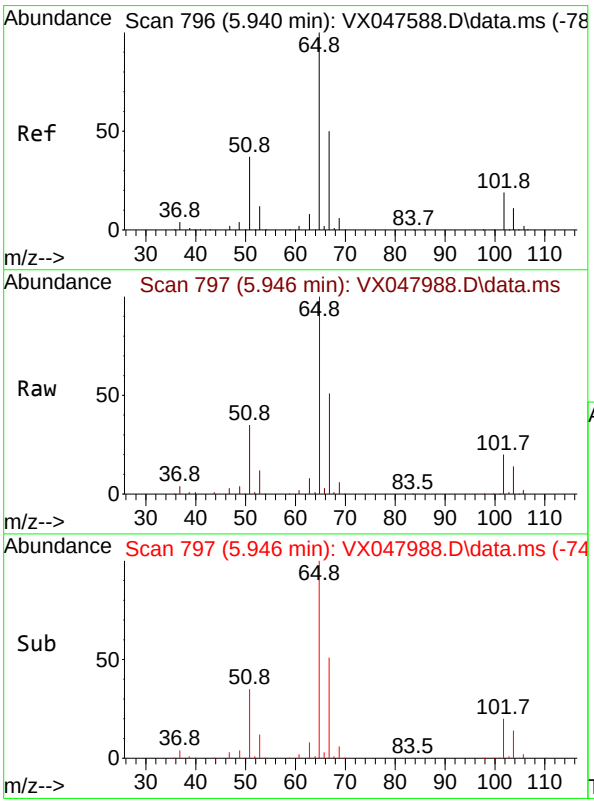
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
EB04-20250923

Tgt Ion:168 Resp: 129971

Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.8	73.2

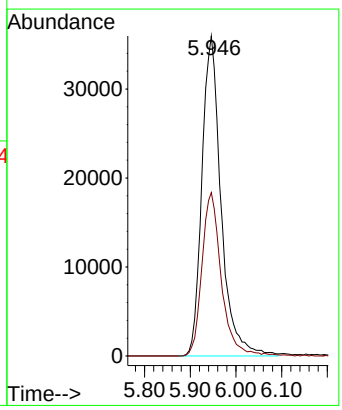


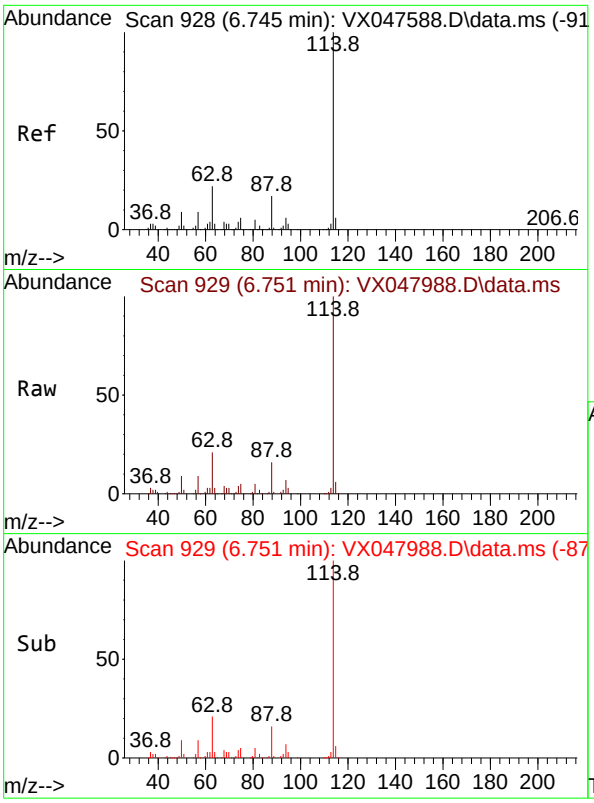


#33
1,2-Dichloroethane-d4
Concen: 50.494 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Tgt Ion: 65 Resp: 104463

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



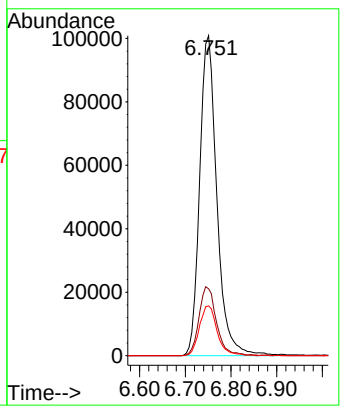


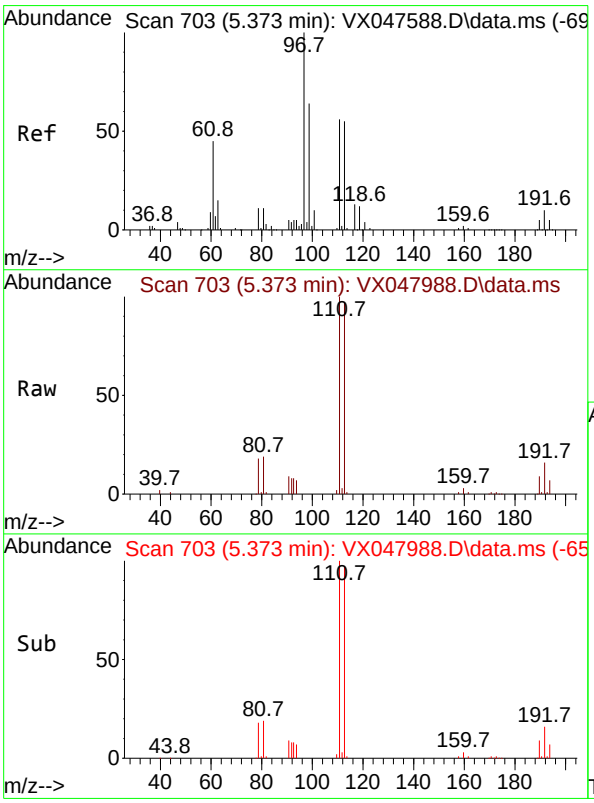
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
EB04-20250923

Tgt Ion:114 Resp: 263211

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.0
88	15.6	0.0	34.2

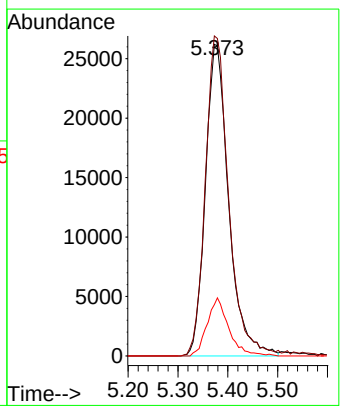


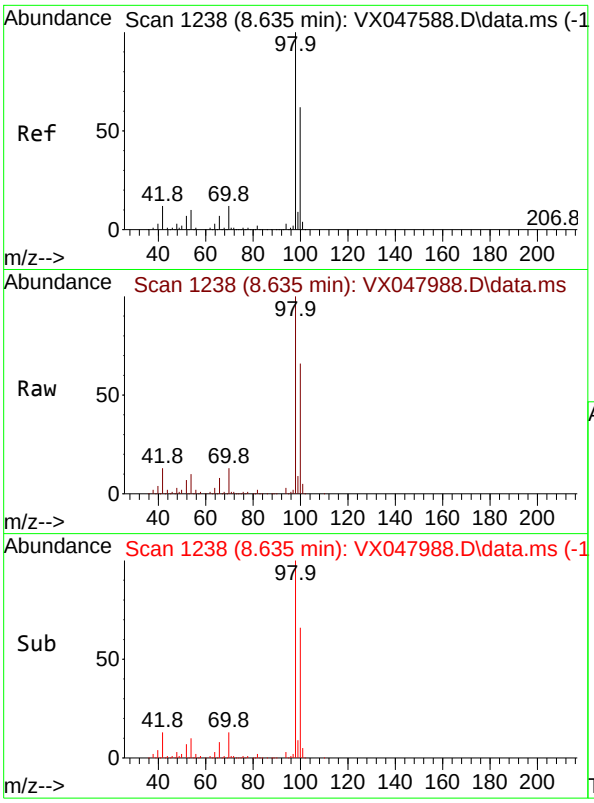


#35
Dibromofluoromethane
Concen: 48.154 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Tgt Ion:113 Resp: 85003

Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.9	121.3
192	17.4	14.2	21.4



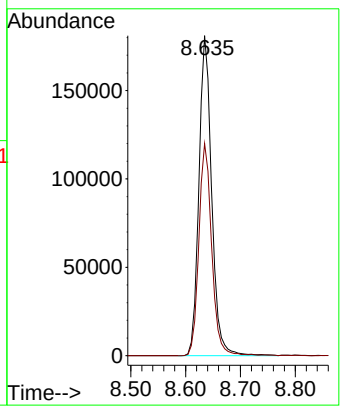


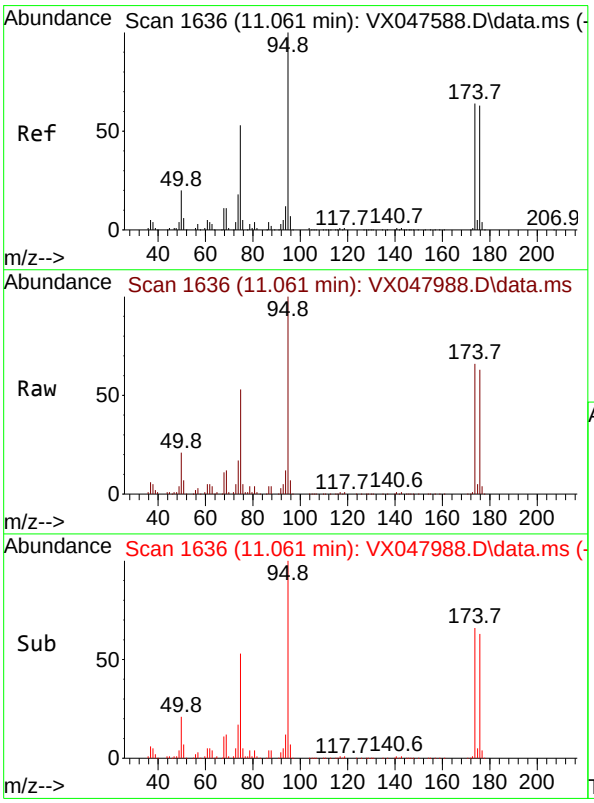
#50
Toluene-d8
Concen: 47.960 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
EB04-20250923

Tgt Ion: 98 Resp: 292943

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

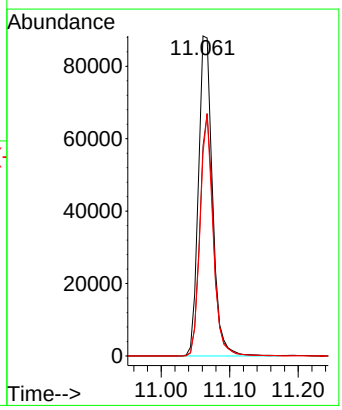


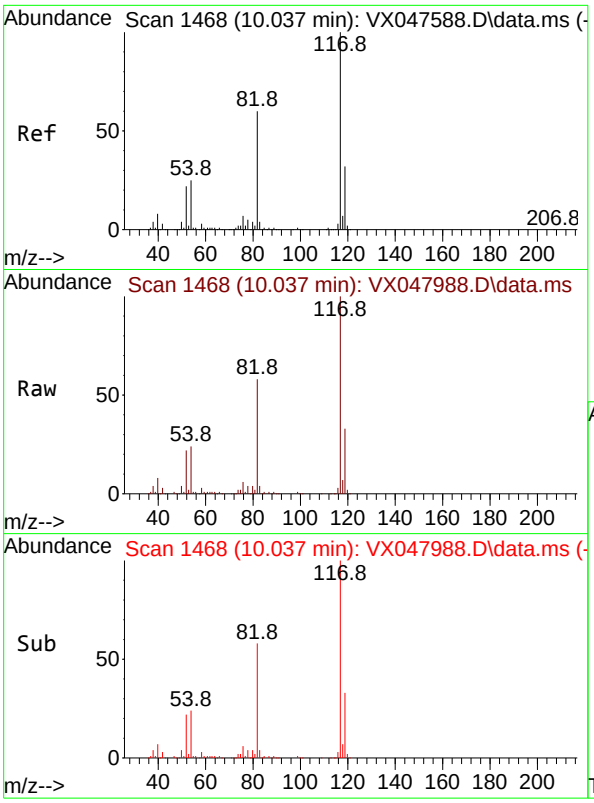


#62
4-Bromofluorobenzene
Concen: 54.503 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Tgt Ion: 95 Resp: 126344

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	70.0	0.0	138.4



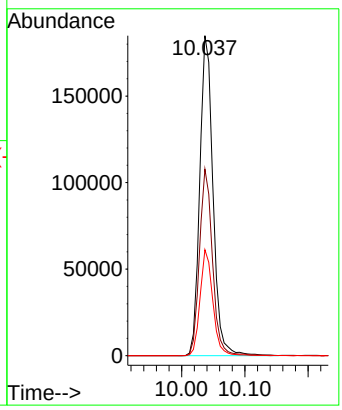


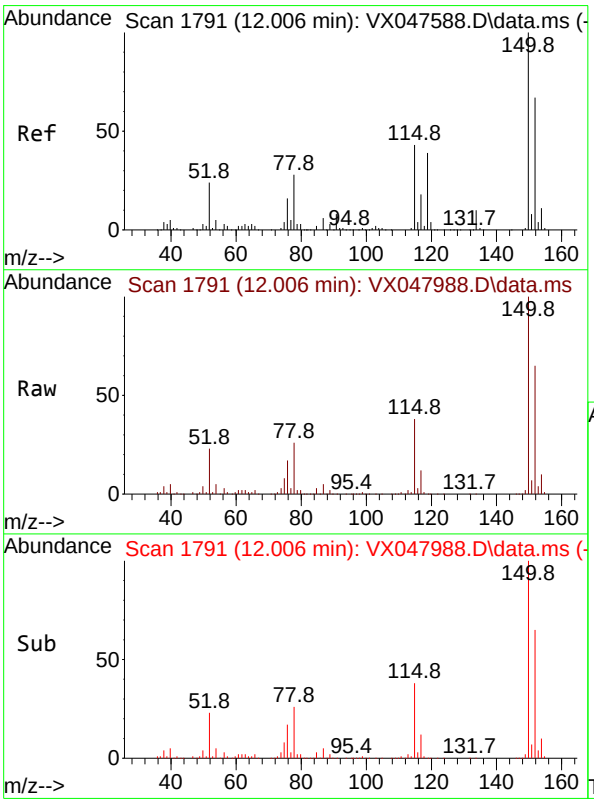
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
EB04-20250923

Tgt Ion:117 Resp: 269714

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.8	71.6
119	33.1	25.2	37.8

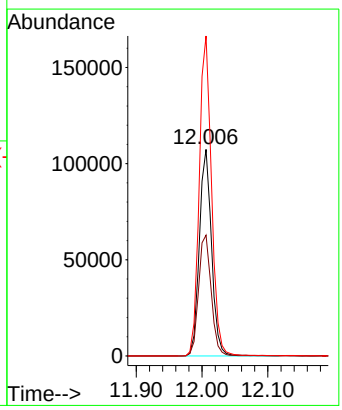




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047988.D
Acq: 03 Oct 2025 13:09

Tgt Ion:152 Resp: 138755

Ion	Ratio	Lower	Upper
152	100		
115	60.4	44.9	134.5
150	155.8	0.0	352.0



Raw Data: **VX047942.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT174I1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-20	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047942.D	1	10/01/25 15:50	VX100125

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	1.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.10	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	0.38	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	3.50		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	0.45	J	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	1.50		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

Raw Data: **VX047942.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT174I1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-20	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047942.D	1	10/01/25 15:50	VX100125

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	0.55	J	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	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	242000	6.751				
3114-55-4	Chlorobenzene-d5	250000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.006				

Raw Data: **VX047942.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT174I1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-20	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047942.D	1	10/01/25 15:50	VX100125

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\VX100125\
Data File : VX047942.D
Acq On : 01 Oct 2025 15:50
Operator : JC/MD
Sample : Q3193-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Quant Time: Oct 03 01:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

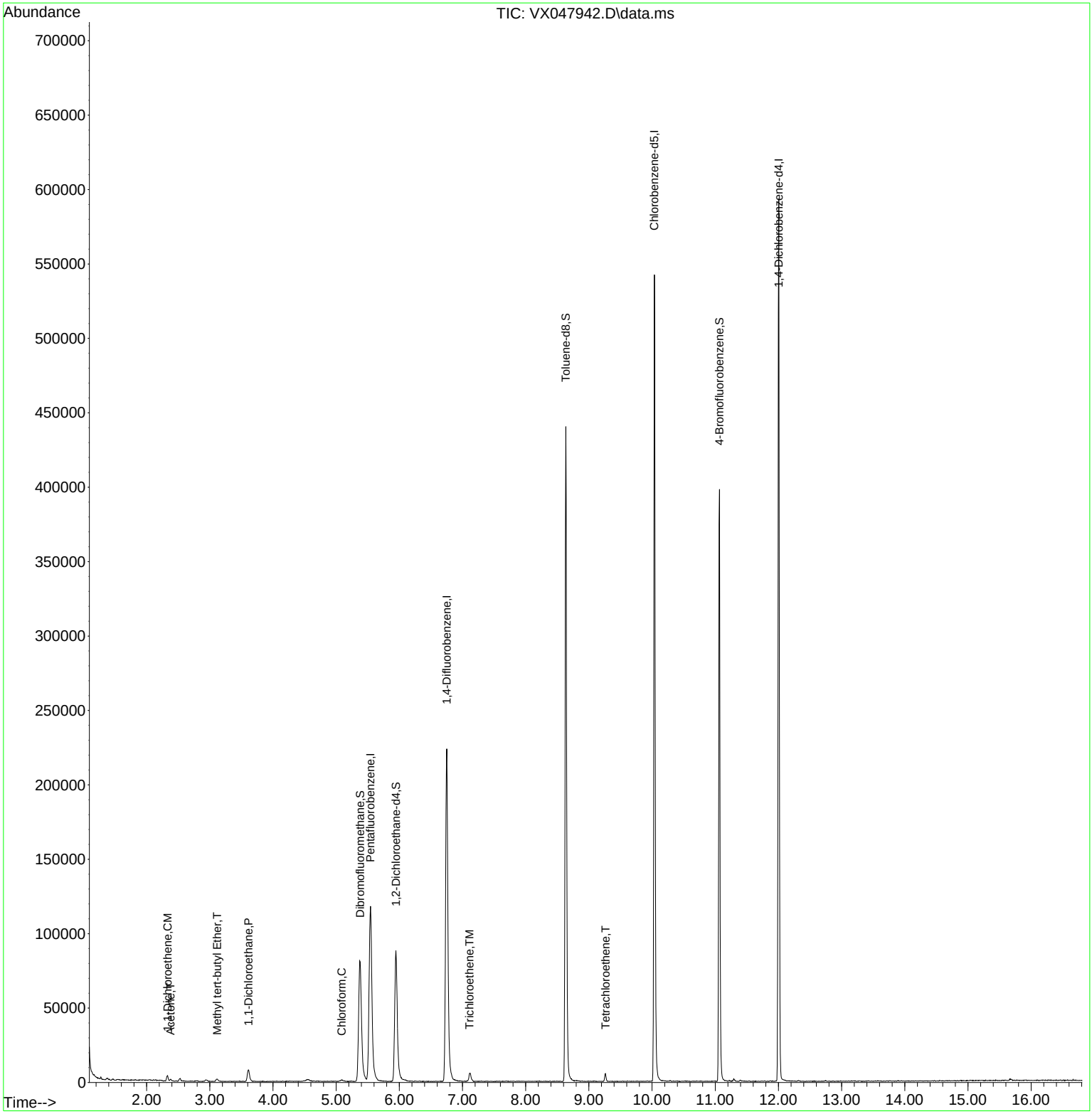
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	118608	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	242382	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	250160	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123424	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.946	65	94847	50.238	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.480%				
35) Dibromofluoromethane	5.379	113	79617	48.979	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.960%				
50) Toluene-d8	8.635	98	269894	47.984	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.960%				
62) 4-Bromofluorobenzene	11.067	95	113615	53.223	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.440%				
Target Compounds							Qvalue
12) 1,1-Dichloroethene	2.331	96	1496	1.062	ug/l		89
16) Acetone	2.380	43	1697	2.067	ug/l	#	85
19) Methyl tert-butyl Ether	3.117	73	1972	0.383	ug/l		93
24) 1,1-Dichloroethane	3.611	63	10503	3.506	ug/l		98
30) Chloroform	5.086	83	1371	0.453	ug/l	#	64
44) Trichloroethene	7.111	130	2666	1.529	ug/l		95
64) Tetrachloroethene	9.263	164	894	0.548	ug/l		87

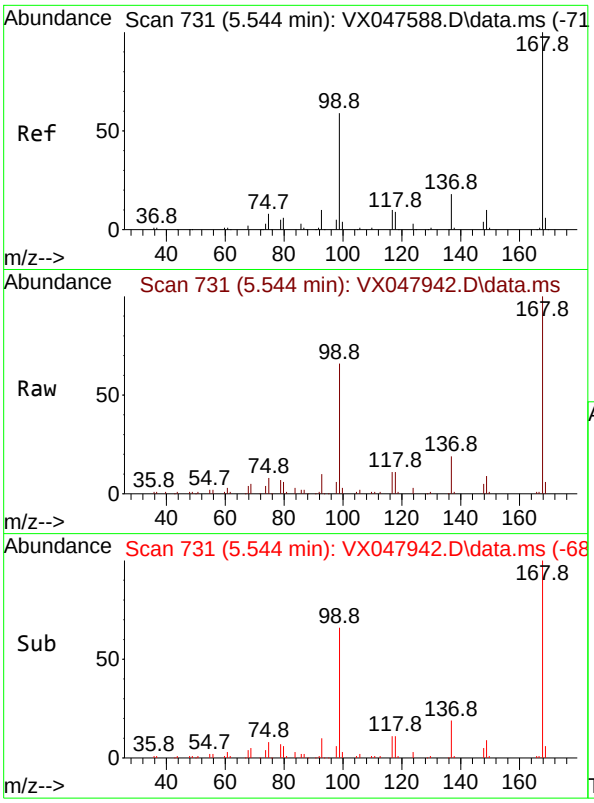
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047942.D
Acq On : 01 Oct 2025 15:50
Operator : JC/MD
Sample : Q3193-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Quant Time: Oct 03 01:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



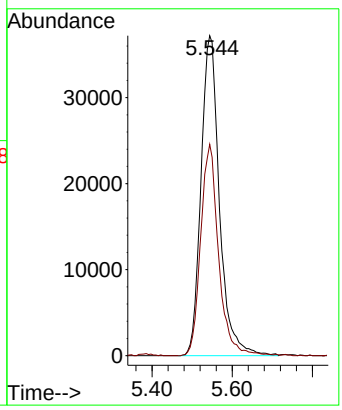


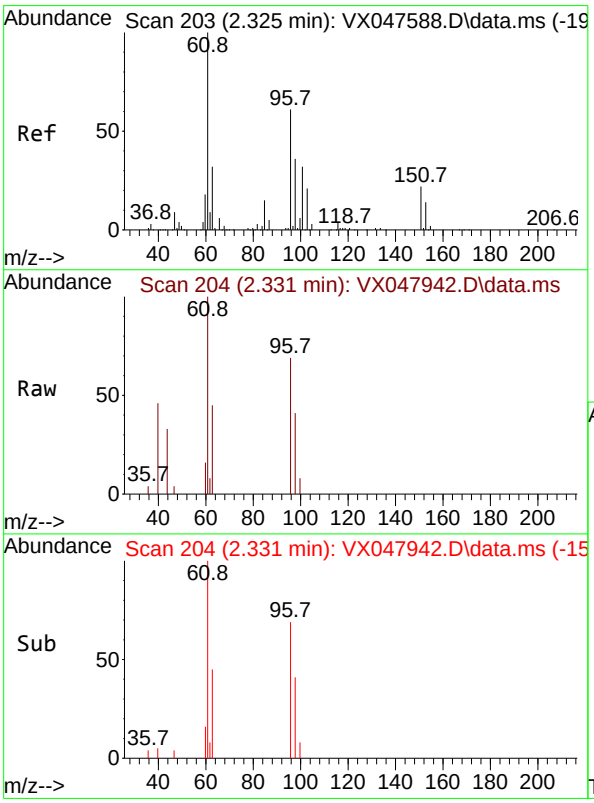
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion:168 Resp: 118608

Ion	Ratio	Lower	Upper
168	100		
99	66.1	48.8	73.2

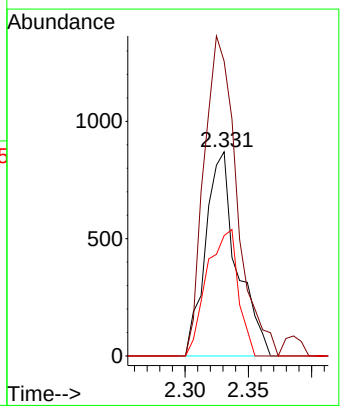


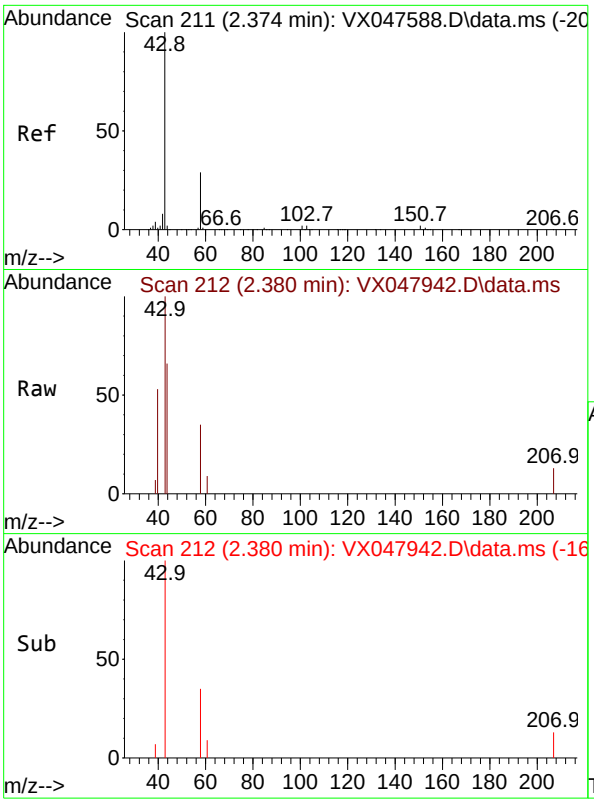


#12
1,1-Dichloroethene
Concen: 1.062 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 96 Resp: 1496

Ion	Ratio	Lower	Upper
96	100		
61	144.4	131.0	196.6
98	59.0	47.7	71.5



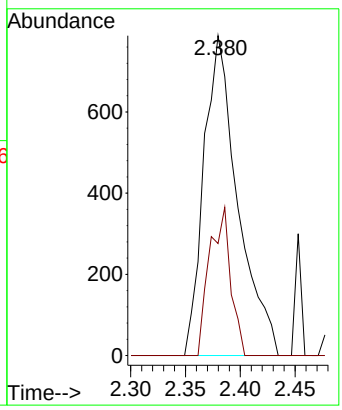


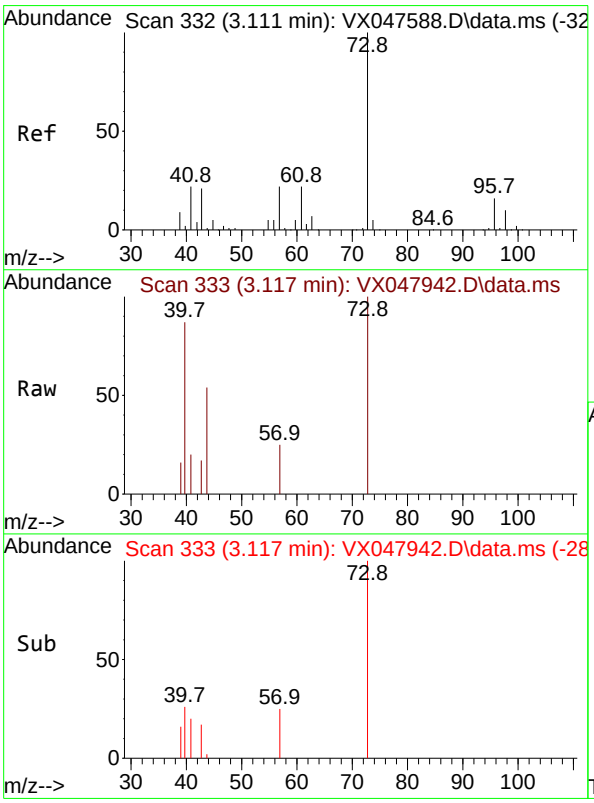
#16
Acetone
Concen: 2.067 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion: 43 Resp: 1697

Ion	Ratio	Lower	Upper
43	100		
58	21.1	23.4	35.0#

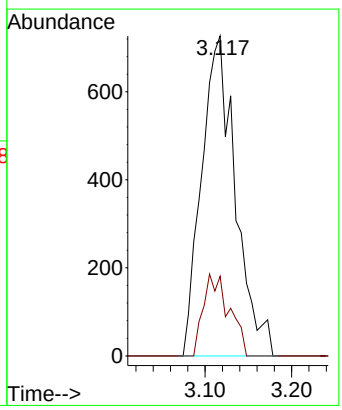


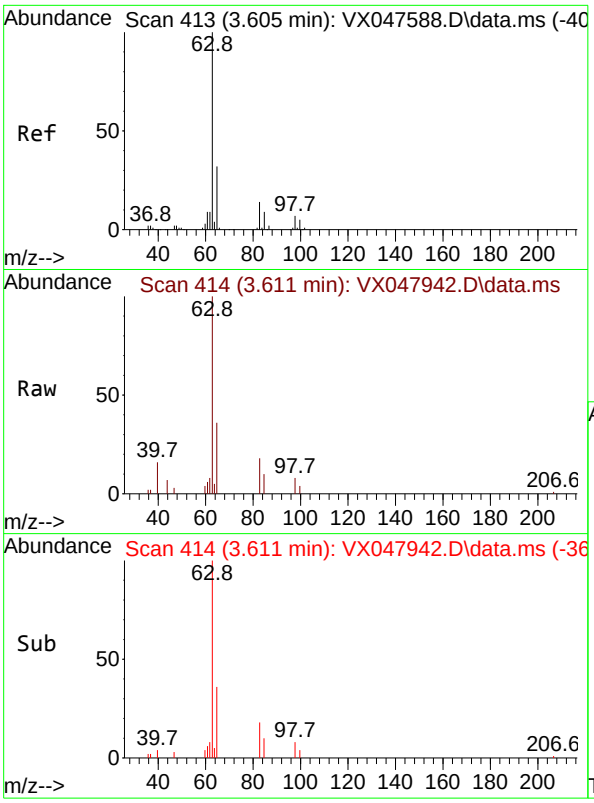


#19
Methyl tert-butyl Ether
Concen: 0.383 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 73 Resp: 1972

Ion	Ratio	Lower	Upper
73	100		
57	24.9	17.4	26.2



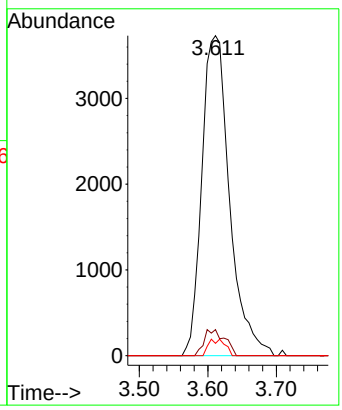


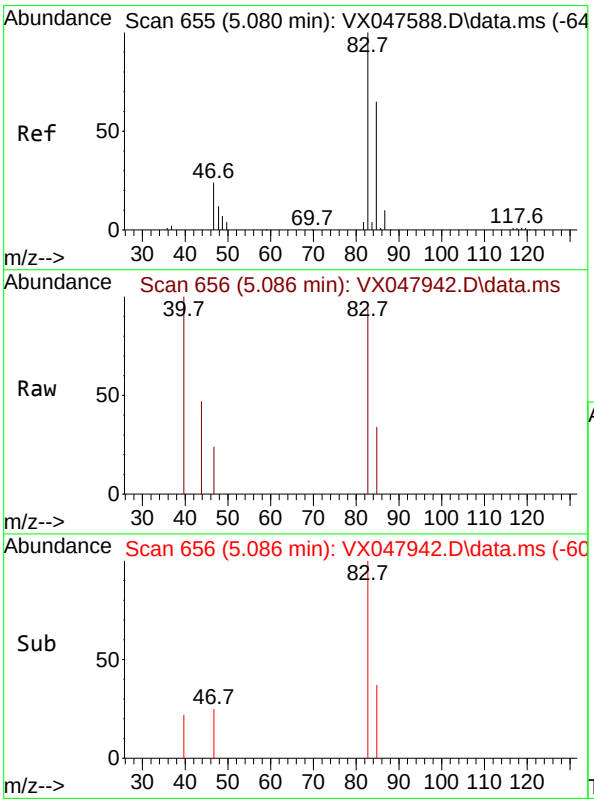
#24
1,1-Dichloroethane
Concen: 3.506 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion: 63 Resp: 10503

Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.8	11.2
100	3.9	2.3	6.9

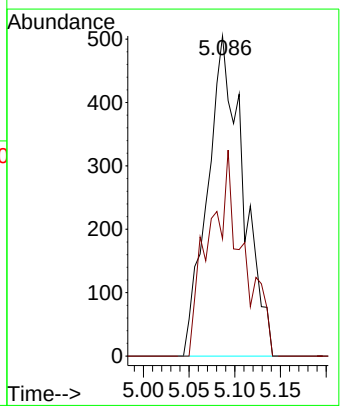


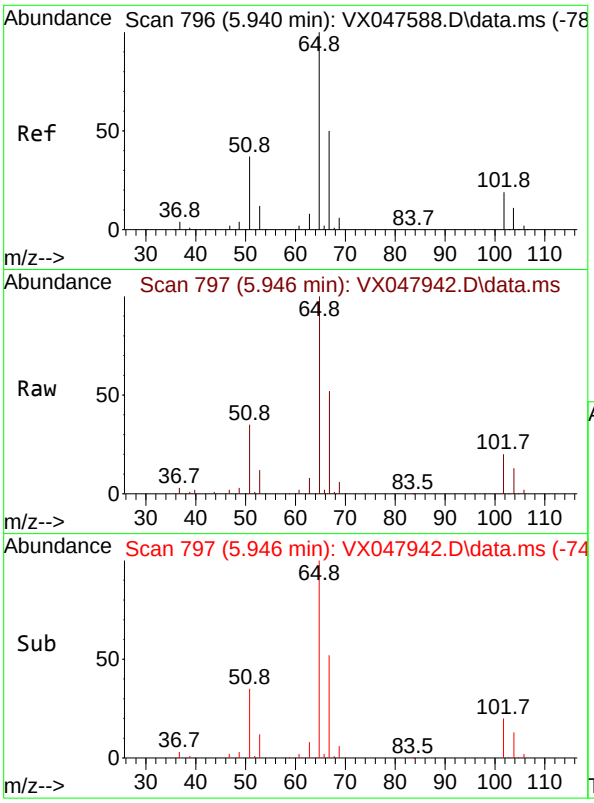


#30
Chloroform
Concen: 0.453 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 83 Resp: 1371

Ion	Ratio	Lower	Upper
83	100		
85	36.6	51.8	77.6#



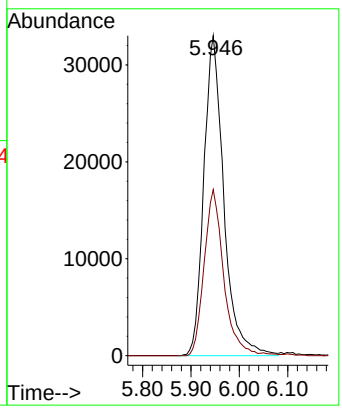


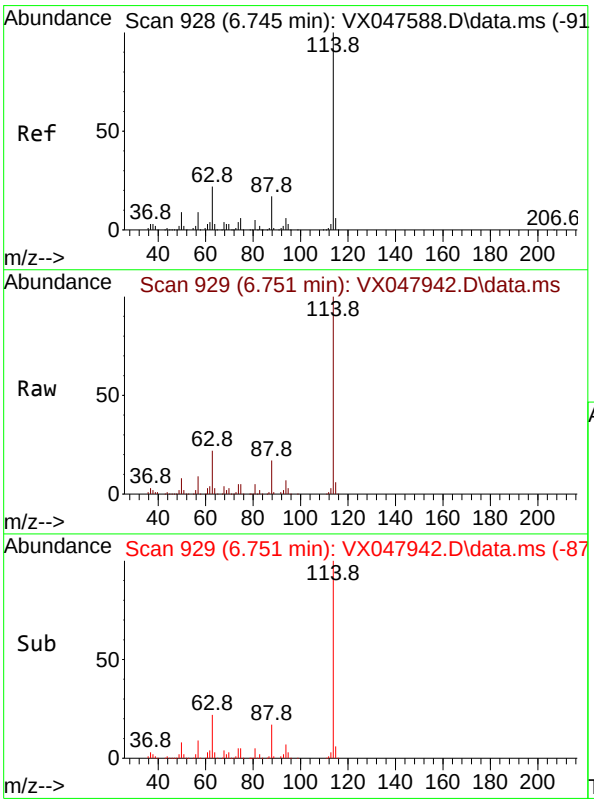
#33
1,2-Dichloroethane-d4
Concen: 50.238 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion: 65 Resp: 94847

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.0

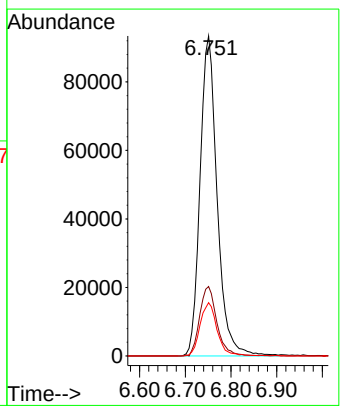


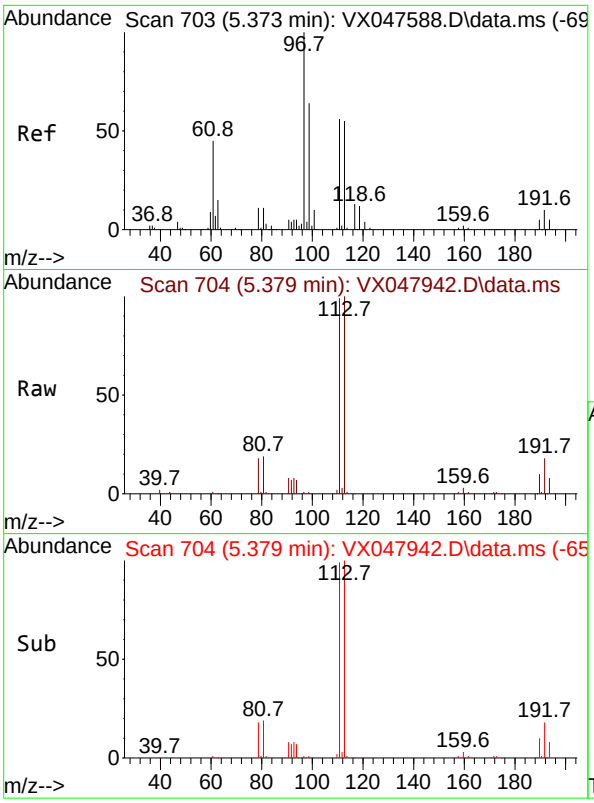


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion:114 Resp: 242382

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.7	0.0	34.2



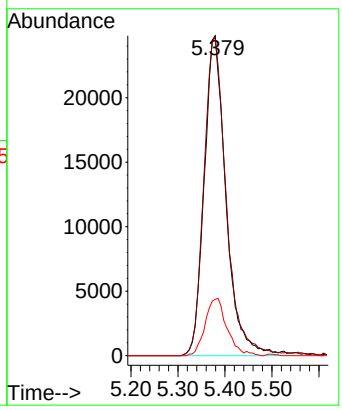


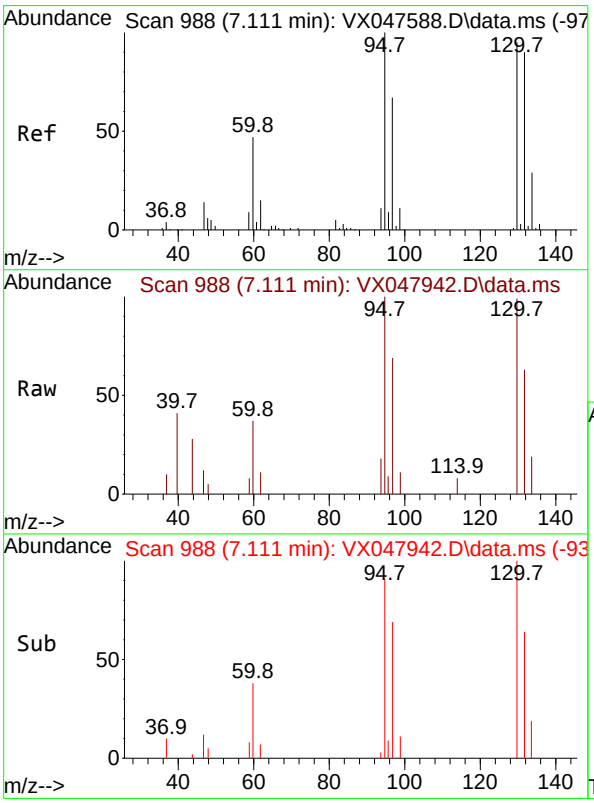
#35
Dibromofluoromethane
Concen: 48.979 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion:113 Resp: 79617

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.9	121.3
192	18.0	14.2	21.4

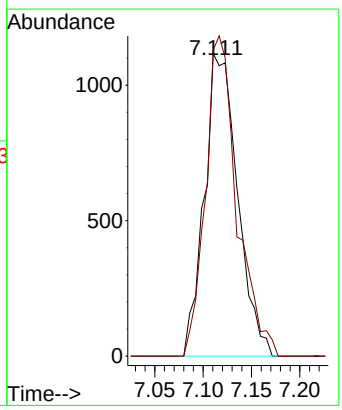


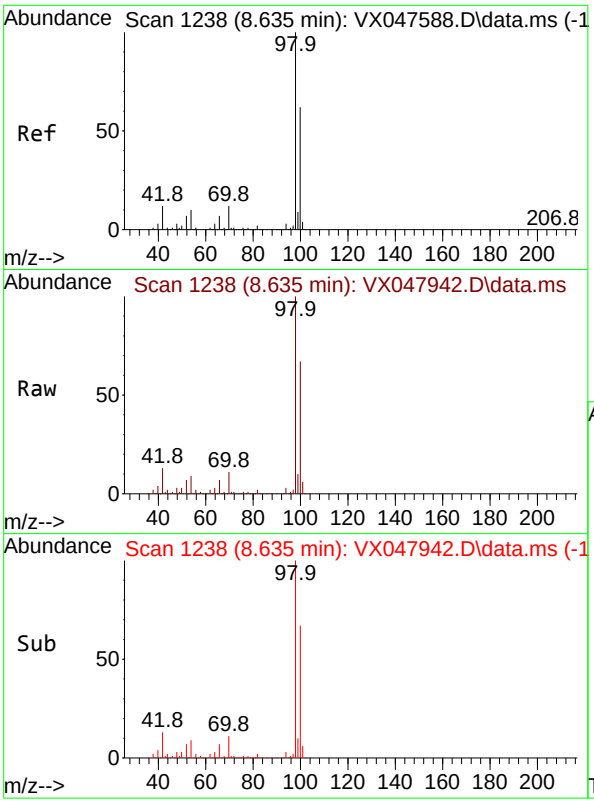


#44
Trichloroethene
Concen: 1.529 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion:130 Resp: 2666

Ion	Ratio	Lower	Upper
130	100		
95	110.2	0.0	210.8



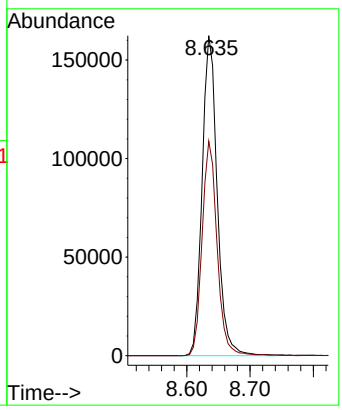


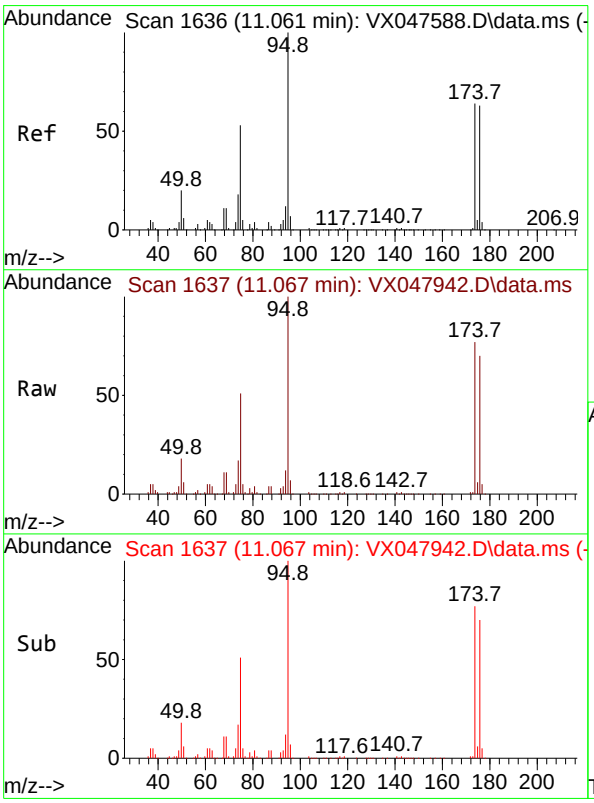
#50
Toluene-d8
Concen: 47.984 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion: 98 Resp: 269894

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

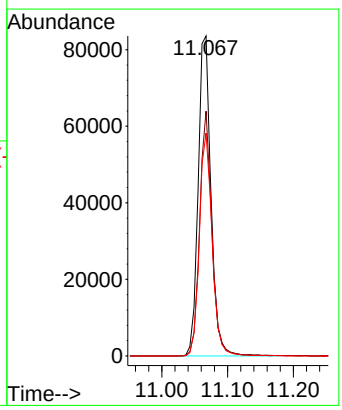


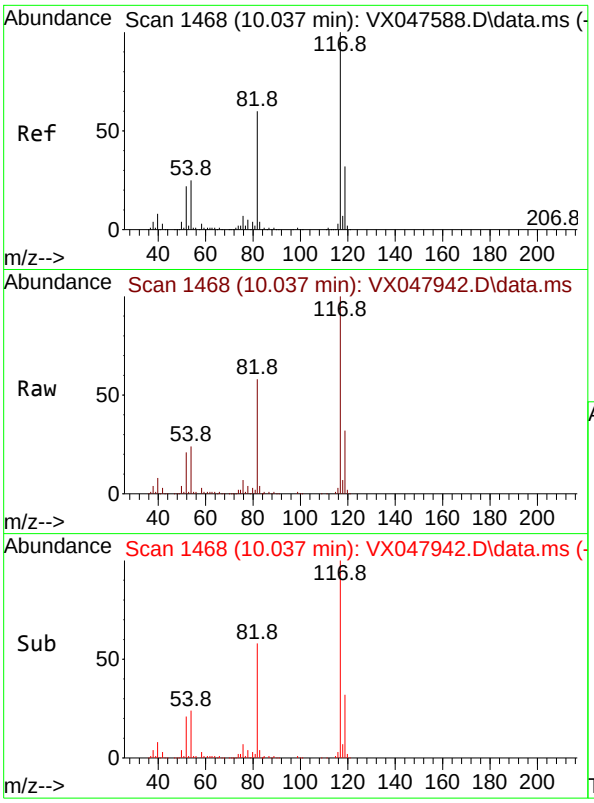


#62
4-Bromofluorobenzene
Concen: 53.223 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 95 Resp: 113615

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.6
176	68.9	0.0	138.4



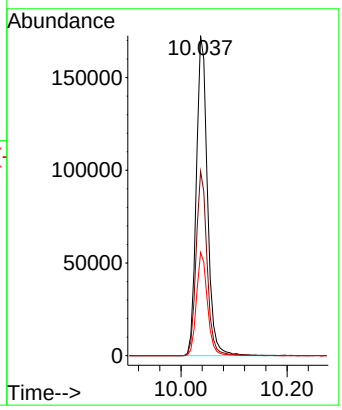


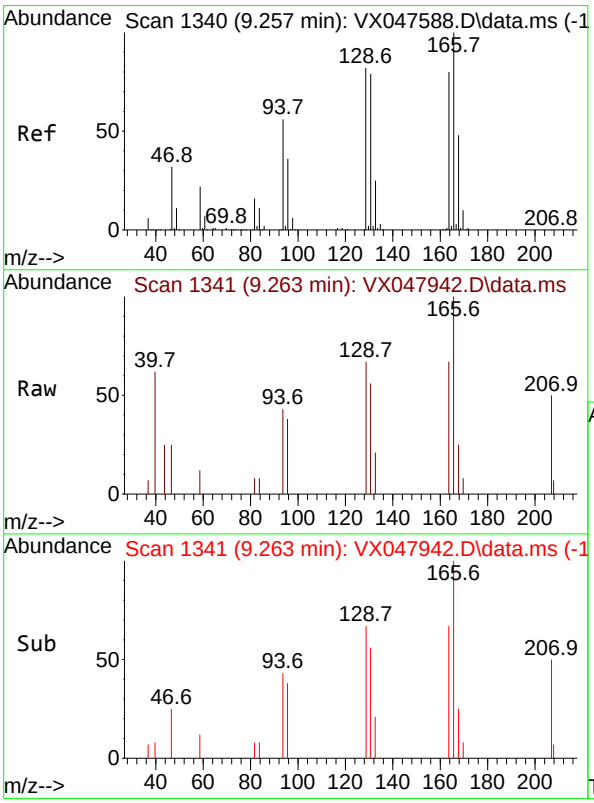
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion:117 Resp: 250160

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	32.2	25.2	37.8

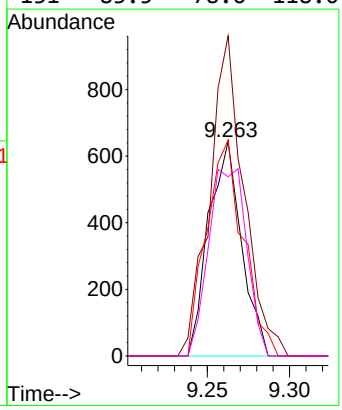


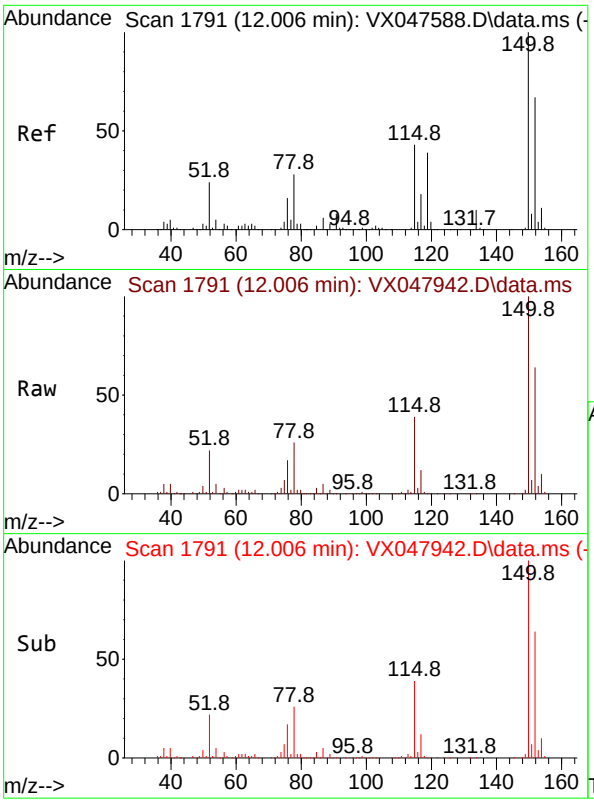


#64
Tetrachloroethene
Concen: 0.548 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion:164 Resp: 894

Ion	Ratio	Lower	Upper
164	100		
166	149.2	100.2	150.2
129	100.6	81.8	122.6
131	83.5	78.6	118.0



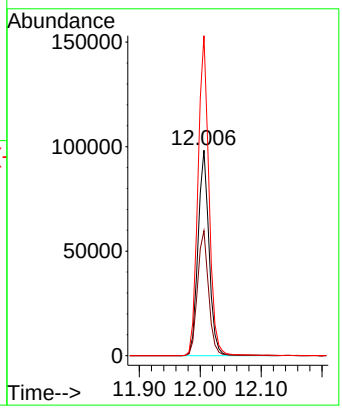


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

Tgt Ion:152 Resp: 123424

Ion	Ratio	Lower	Upper
152	100		
115	61.1	44.9	134.5
150	155.8	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT162S1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-21	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047939.D	1	10/01/25 14:48	VX100125

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	2.30	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	1.40		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	10.5		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:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT162S1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-21	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047939.D	1	10/01/25 14:48	VX100125

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	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	245000	6.751				
3114-55-4	Chlorobenzene-d5	249000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	119000	12.006				

Raw Data: **VX047939.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	TT162S1-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-21	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047939.D	1	10/01/25 14:48	VX100125

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\VX100125\
Data File : VX047939.D
Acq On : 01 Oct 2025 14:48
Operator : JC/MD
Sample : Q3193-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Quant Time: Oct 03 01:23:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

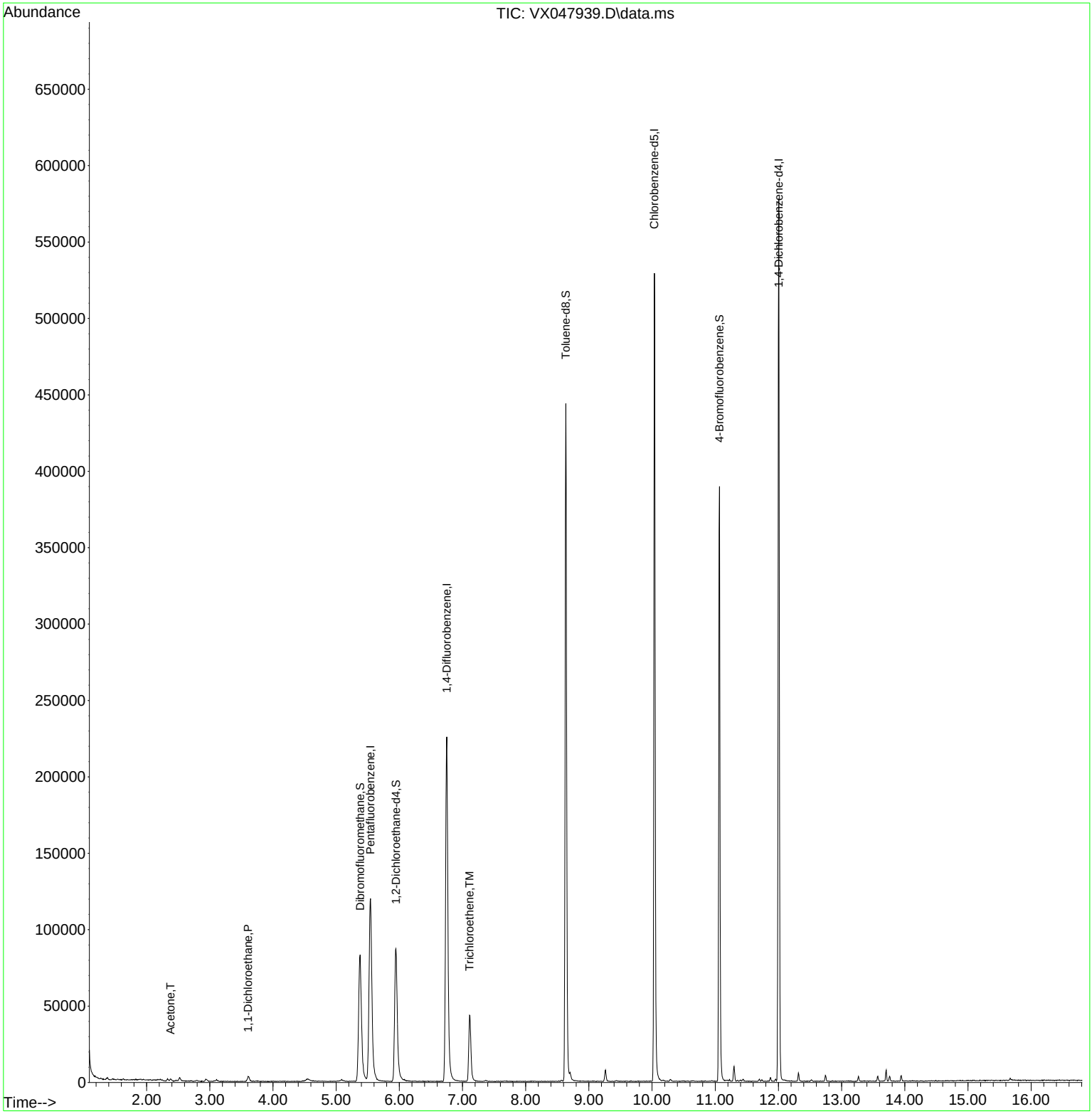
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	119386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	245473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96274	50.662	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.320%			
35) Dibromofluoromethane	5.379	113	81734	49.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.300%			
50) Toluene-d8	8.635	98	276805	48.593	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.180%			
62) 4-Bromofluorobenzene	11.067	95	112879	52.213	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.420%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1877	2.272	ug/l #	87
24) 1,1-Dichloroethane	3.605	63	4345	1.441	ug/l #	86
44) Trichloroethene	7.110	130	18483	10.464	ug/l	98

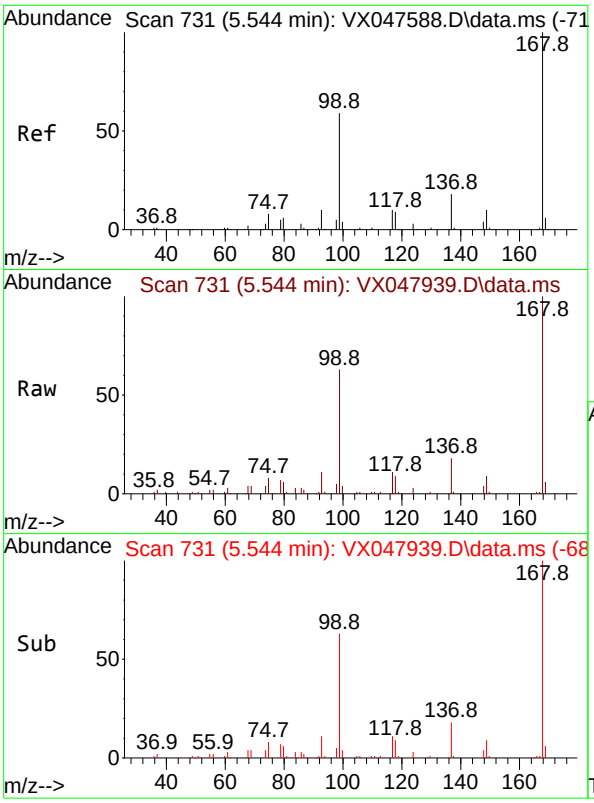
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047939.D
Acq On : 01 Oct 2025 14:48
Operator : JC/MD
Sample : Q3193-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Quant Time: Oct 03 01:23:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



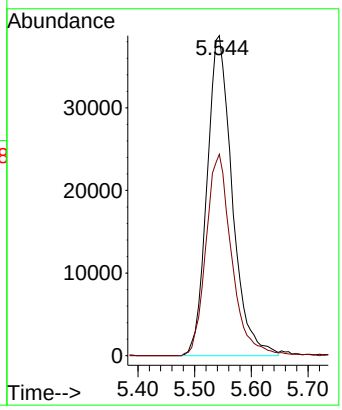


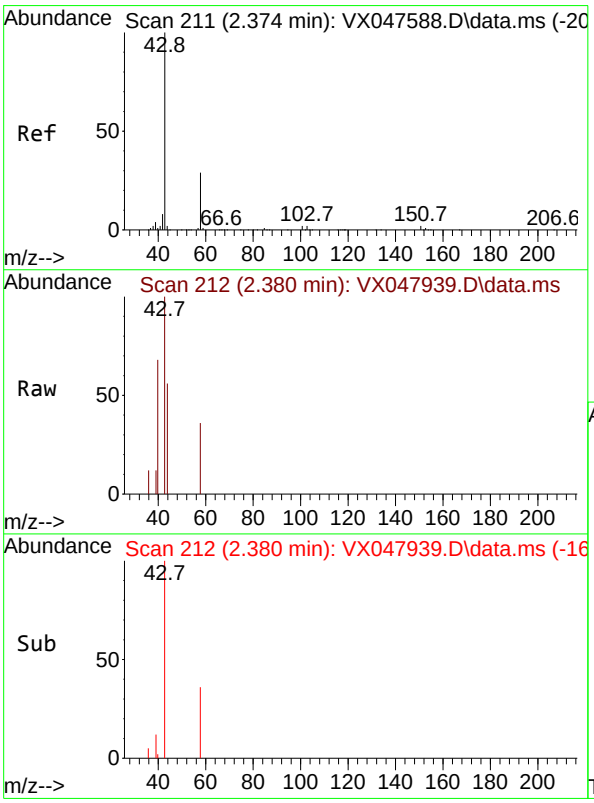
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Tgt Ion:168 Resp: 119386

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

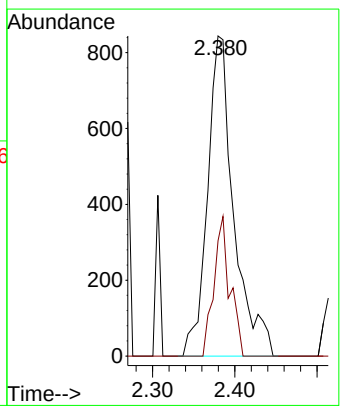


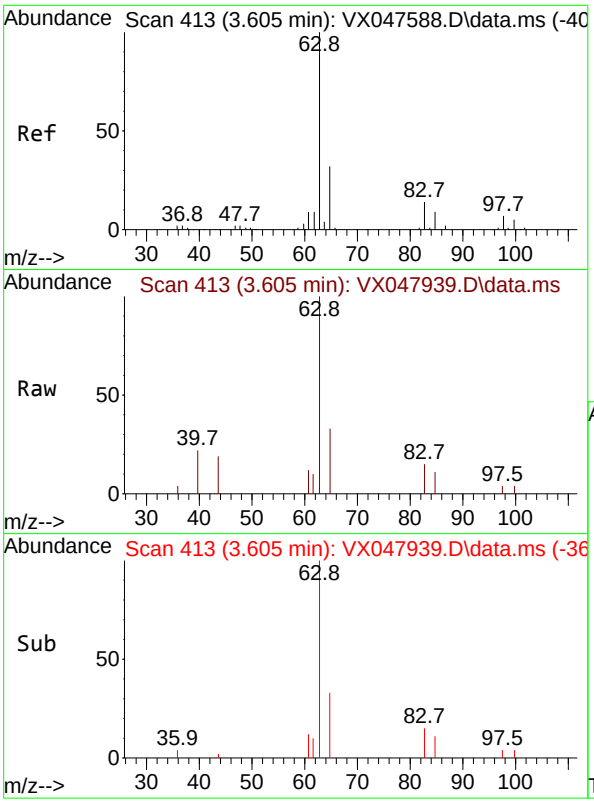


#16
Acetone
Concen: 2.272 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Tgt Ion: 43 Resp: 1877

Ion	Ratio	Lower	Upper
43	100		
58	36.0	23.4	35.0#



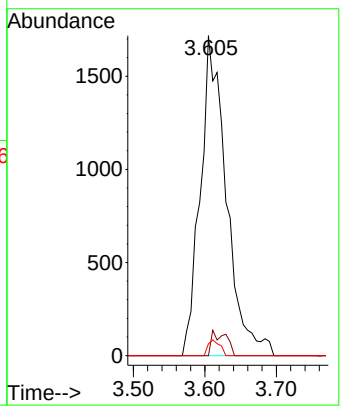


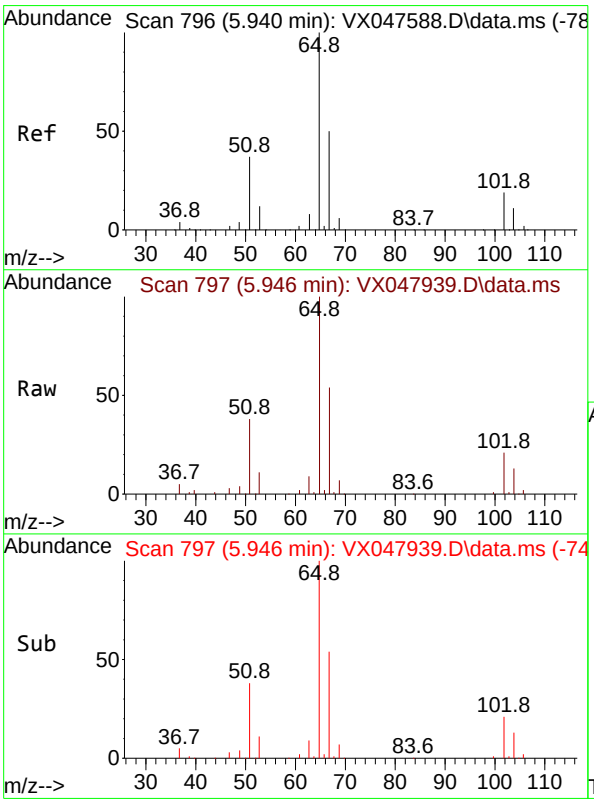
#24
1,1-Dichloroethane
Concen: 1.441 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Tgt Ion: 63 Resp: 4345

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	3.7	2.3	6.9

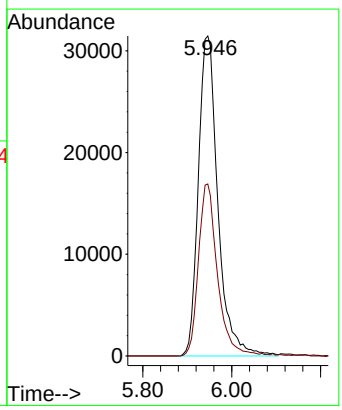


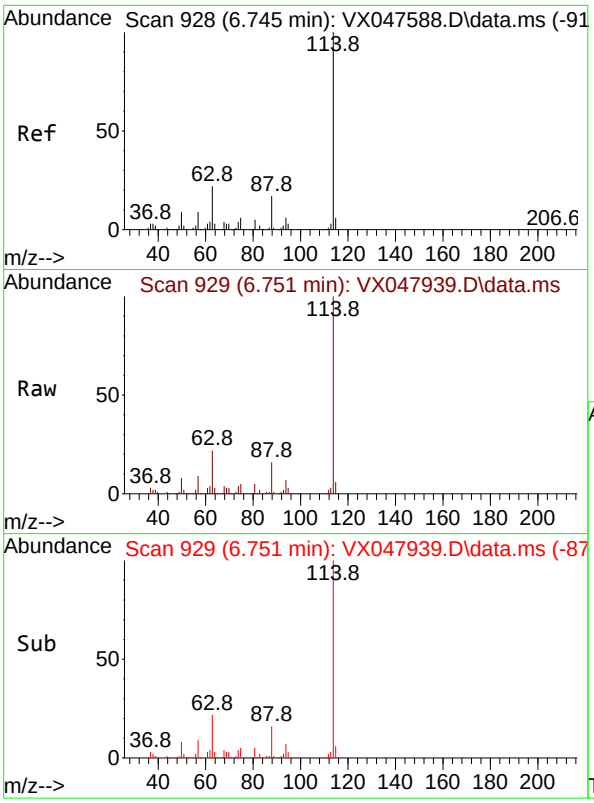


#33
1,2-Dichloroethane-d4
Concen: 50.662 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Tgt Ion: 65 Resp: 96274

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.0



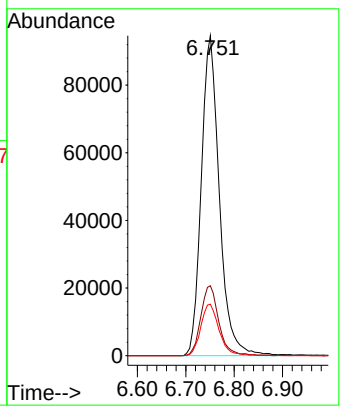


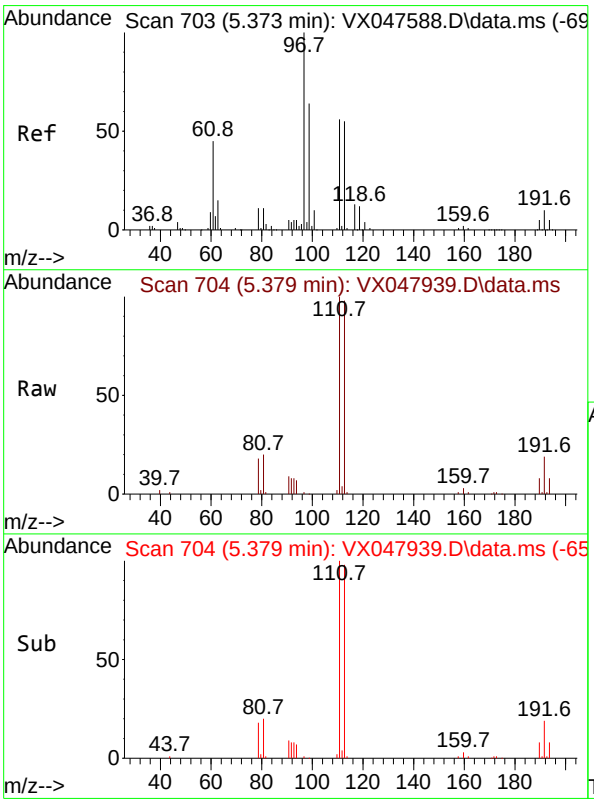
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Tgt Ion:114 Resp: 245473

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.1	0.0	34.2

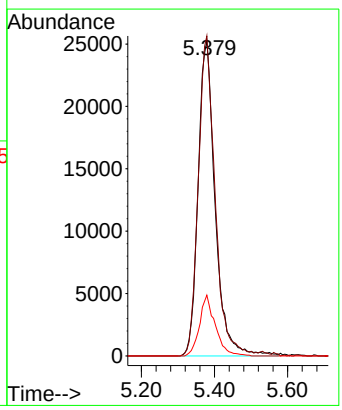


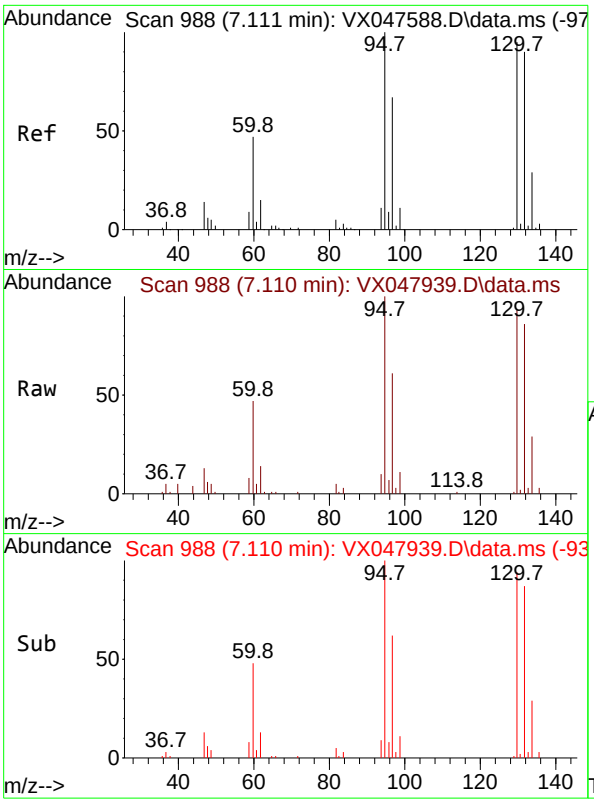


#35
Dibromofluoromethane
Concen: 49.648 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Tgt Ion:113 Resp: 81734

Ion	Ratio	Lower	Upper
113	100		
111	100.3	80.9	121.3
192	18.0	14.2	21.4



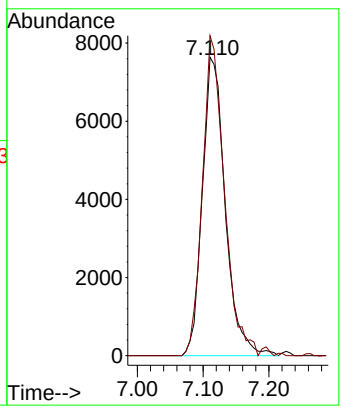


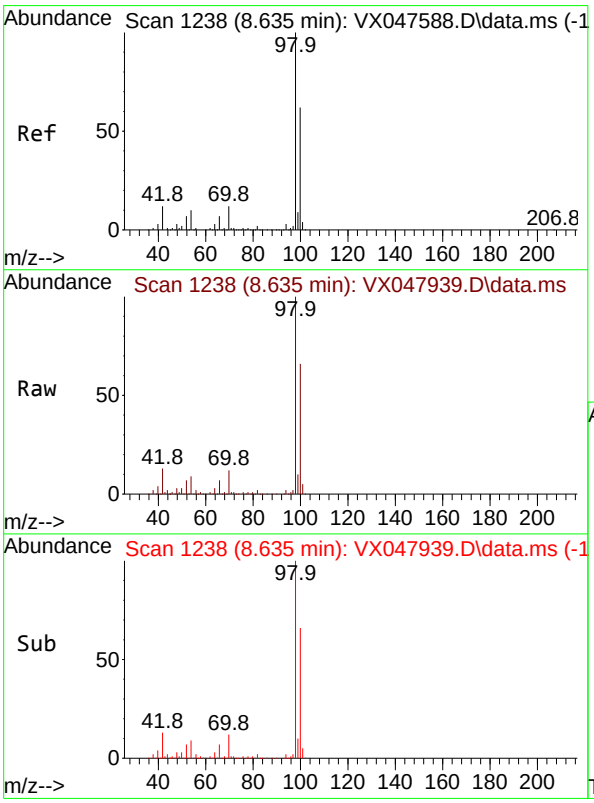
#44
Trichloroethene
Concen: 10.464 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Tgt Ion:130 Resp: 18483

Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	210.8

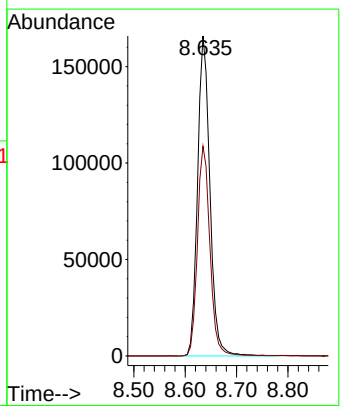


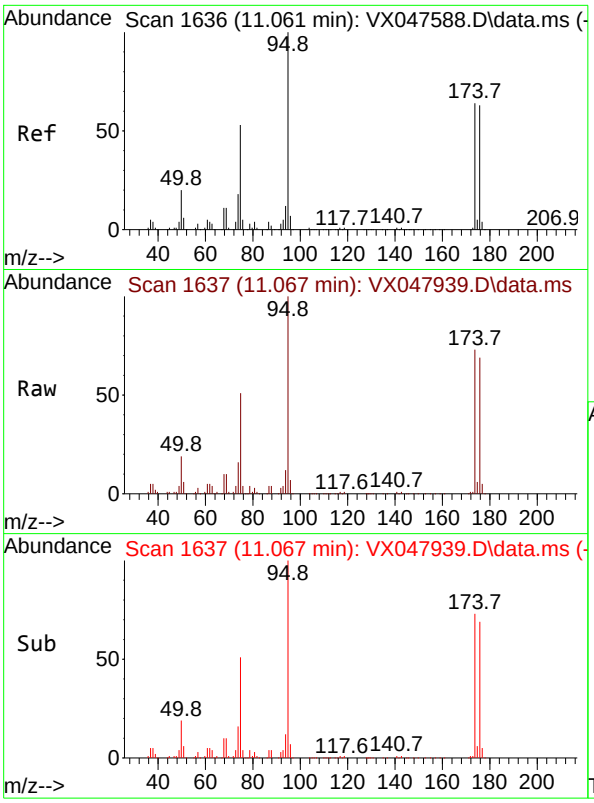


#50
Toluene-d8
Concen: 48.593 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Tgt Ion: 98 Resp: 276805

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



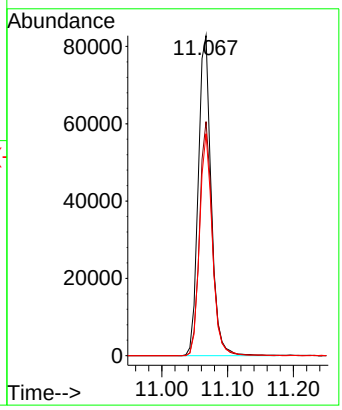


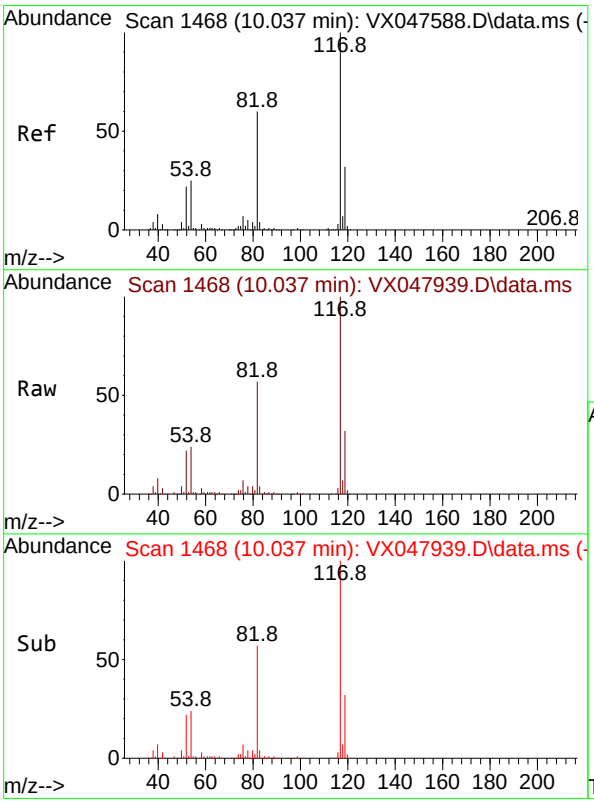
#62
4-Bromofluorobenzene
Concen: 52.213 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Tgt Ion: 95 Resp: 112879

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.6
176	68.6	0.0	138.4

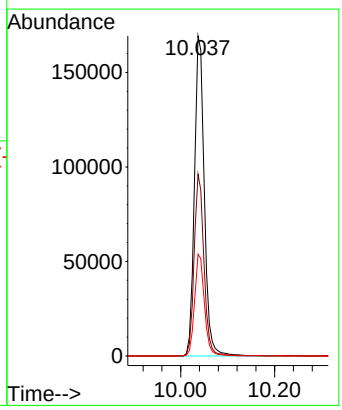


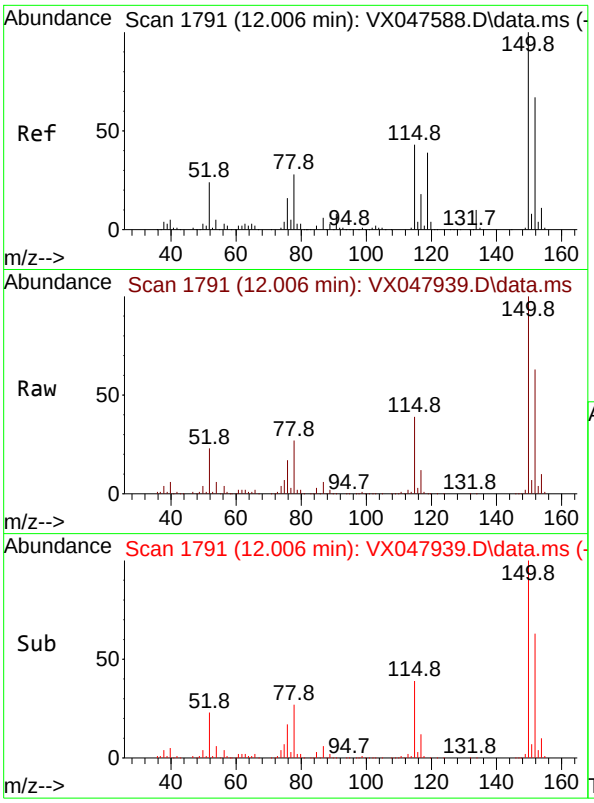


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Tgt Ion:117 Resp: 248853

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	31.8	25.2	37.8



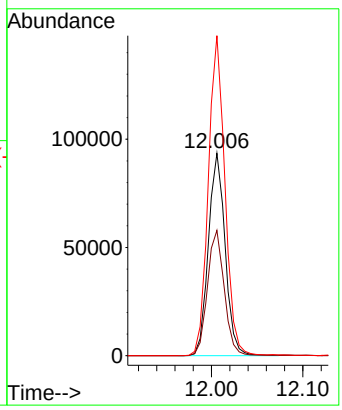


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047939.D
Acq: 01 Oct 2025 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20250924

Tgt Ion:152 Resp: 118778

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.9	134.5
150	156.6	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE120D3-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-22	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047940.D	1	10/01/25 15:09	VX100125

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	1.30		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	1.90	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	11.7		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	0.26	J	0.14	0.50	1.00	ug/L

Raw Data: **VX047940.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE120D3-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-22	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047940.D	1	10/01/25 15:09	VX100125

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	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.544				
540-36-3	1,4-Difluorobenzene	298000	6.751				
3114-55-4	Chlorobenzene-d5	312000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	155000	12.006				

Raw Data: **VX047940.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/24/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RE120D3-20250924	SDG No.:	Q3193
Lab Sample ID:	Q3193-22	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047940.D	1	10/01/25 15:09	VX100125

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\VX100125\
Data File : VX047940.D
Acq On : 01 Oct 2025 15:09
Operator : JC/MD
Sample : Q3193-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Quant Time: Oct 03 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

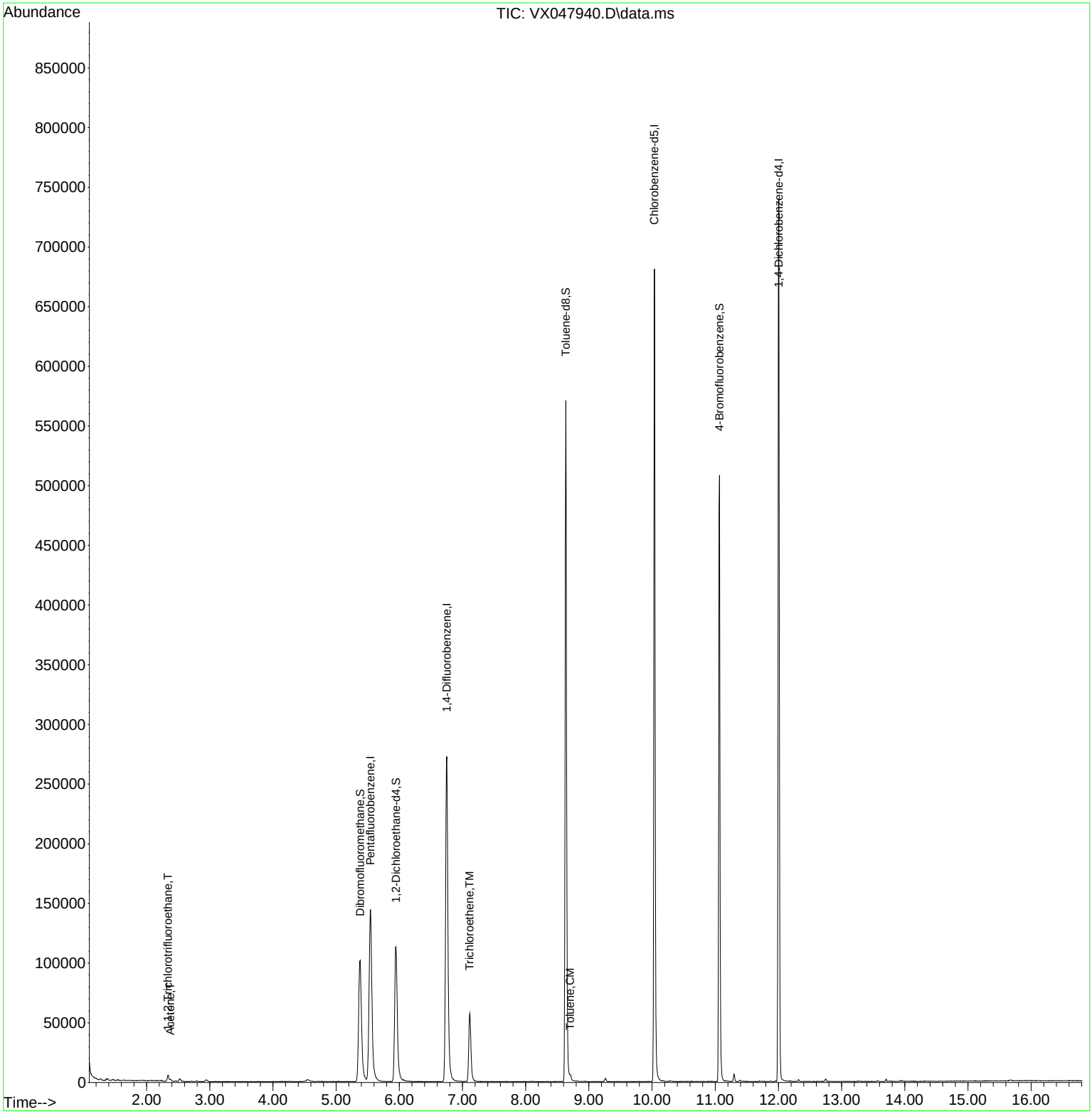
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	142687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	297599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123800	54.508	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.020%			
35) Dibromofluoromethane	5.379	113	99951	50.079	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.160%			
50) Toluene-d8	8.634	98	337906	48.929	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.860%			
62) 4-Bromofluorobenzene	11.067	95	148011	56.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.940%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	2192	1.328	ug/l	96
16) Acetone	2.373	43	1916	1.940	ug/l	90
44) Trichloroethene	7.110	130	24958	11.654	ug/l	99
52) Toluene	8.702	92	1421	0.260	ug/l	97

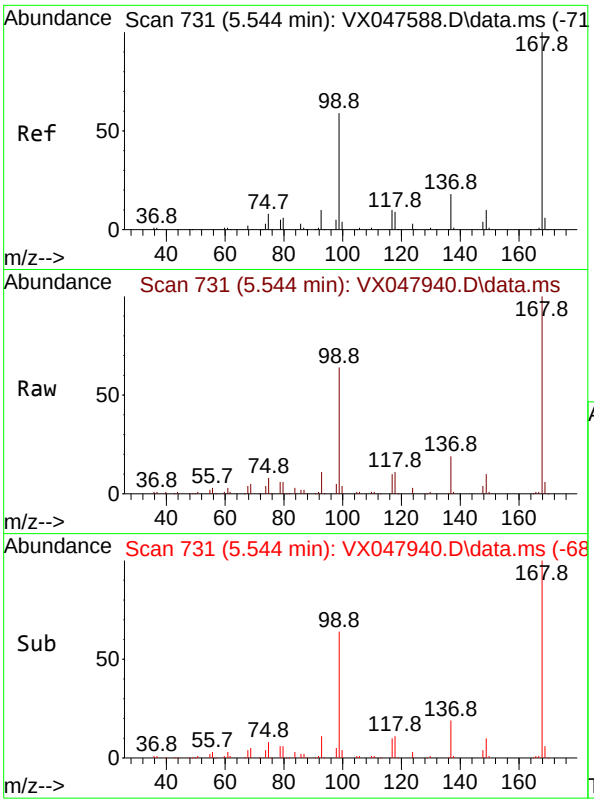
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047940.D
Acq On : 01 Oct 2025 15:09
Operator : JC/MD
Sample : Q3193-22
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Quant Time: Oct 03 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



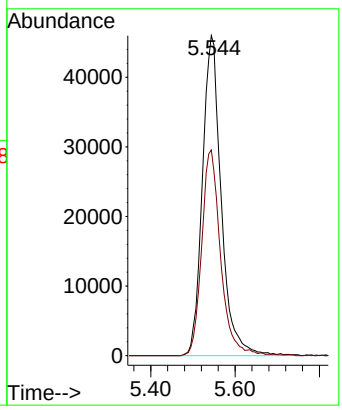


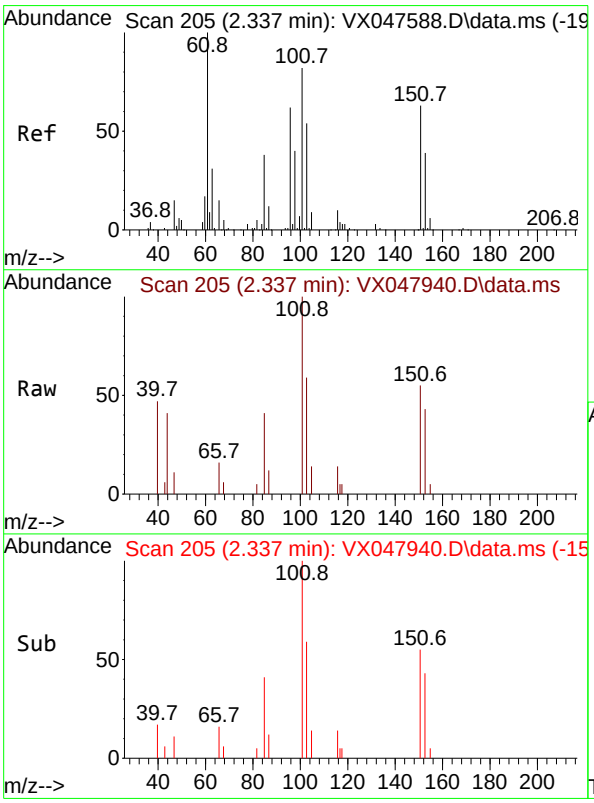
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Tgt Ion:168 Resp: 142687

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.8	73.2

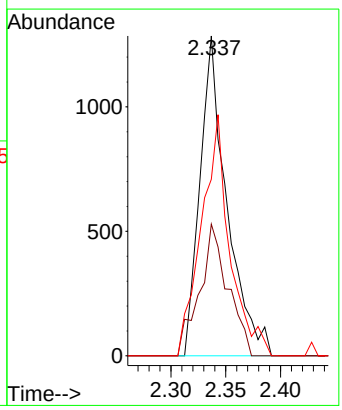


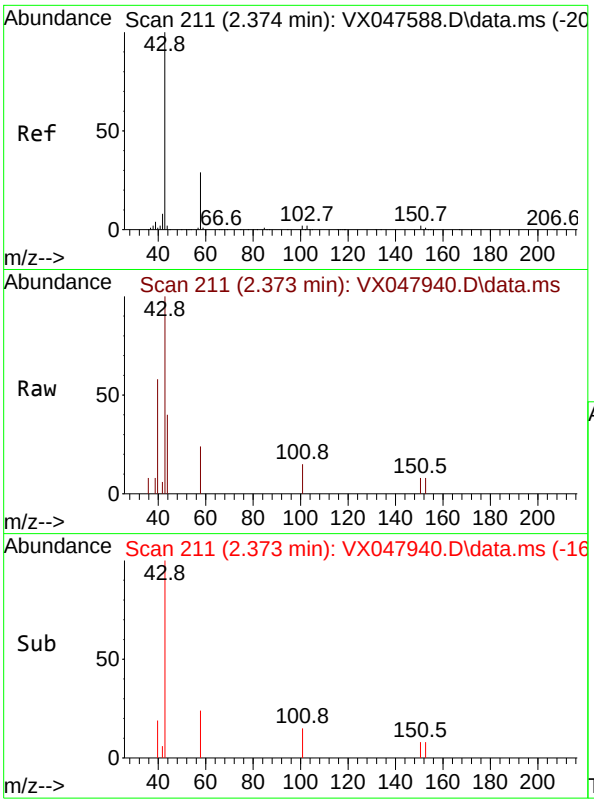


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.328 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Tgt Ion:101 Resp: 2192

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	79.3	59.4	89.0



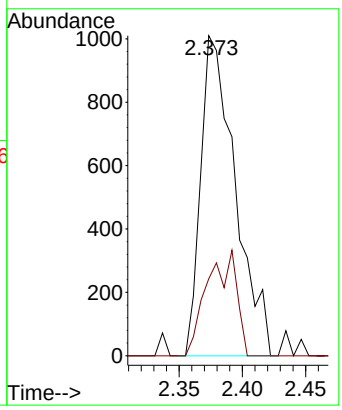


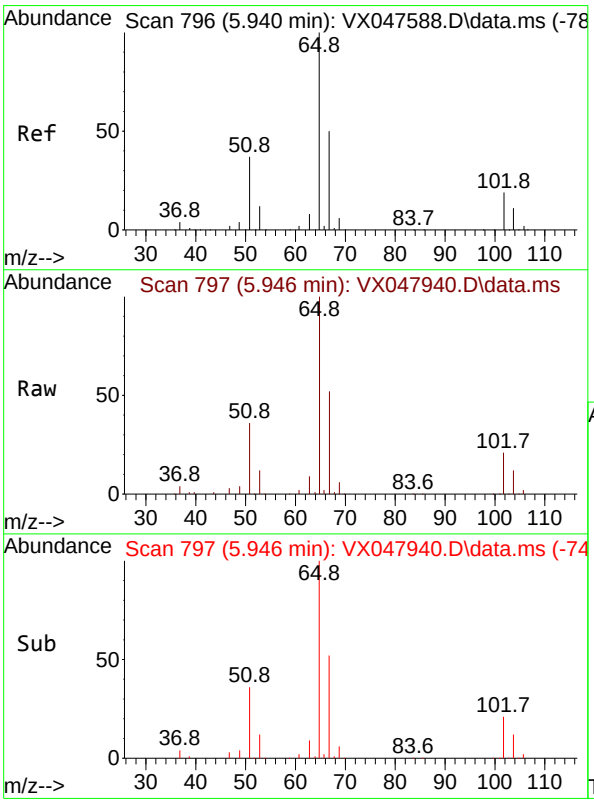
#16
Acetone
Concen: 1.940 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Tgt Ion: 43 Resp: 1916

Ion	Ratio	Lower	Upper
43	100		
58	24.1	23.4	35.0

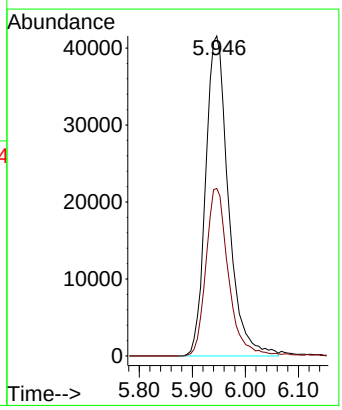


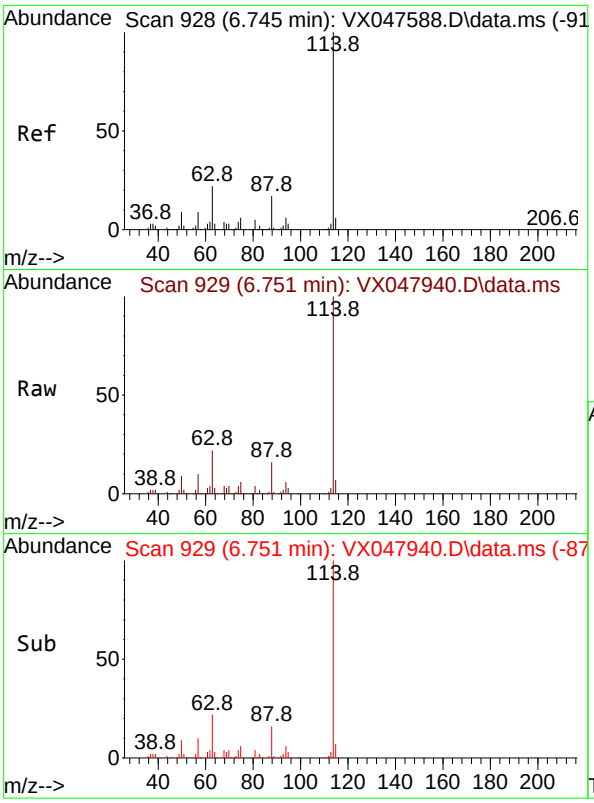


#33
1,2-Dichloroethane-d4
Concen: 54.508 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Tgt Ion: 65 Resp: 123800

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0



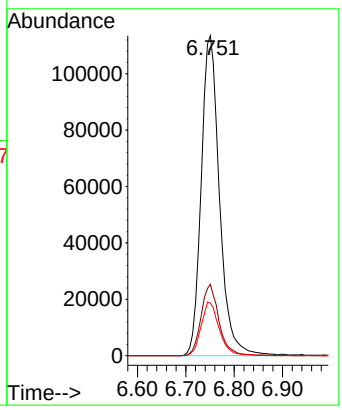


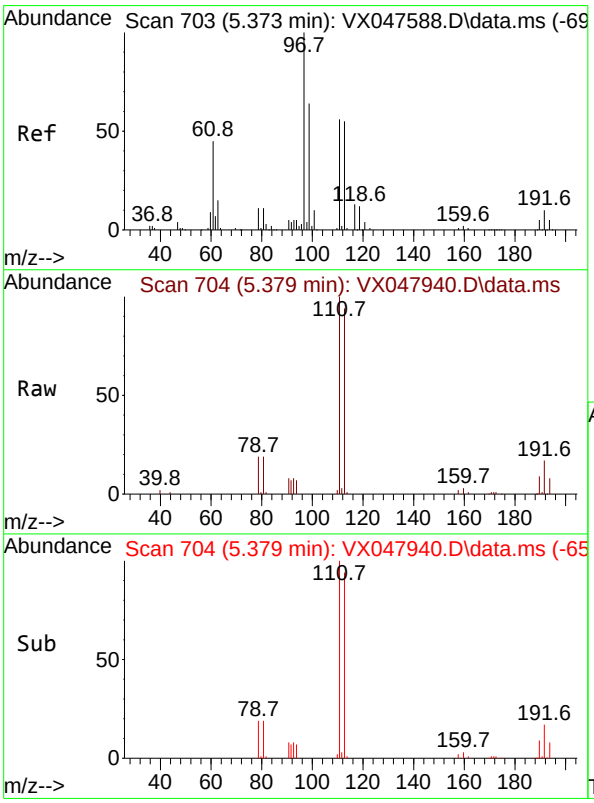
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Tgt Ion:114 Resp: 297599

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.4	0.0	34.2

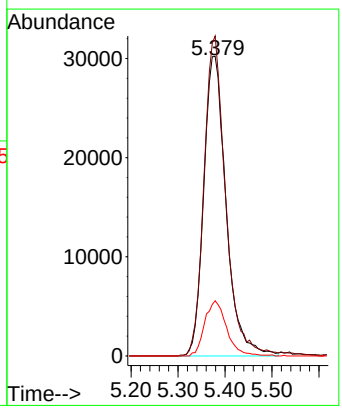


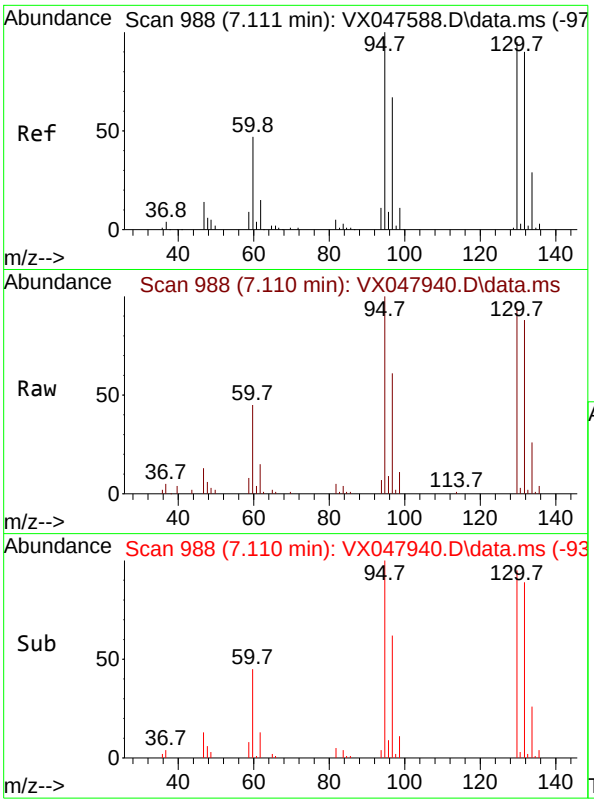


#35
Dibromofluoromethane
Concen: 50.079 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Tgt Ion:113 Resp: 99951

Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.9	121.3
192	18.0	14.2	21.4



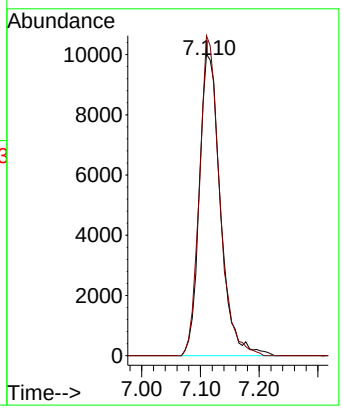


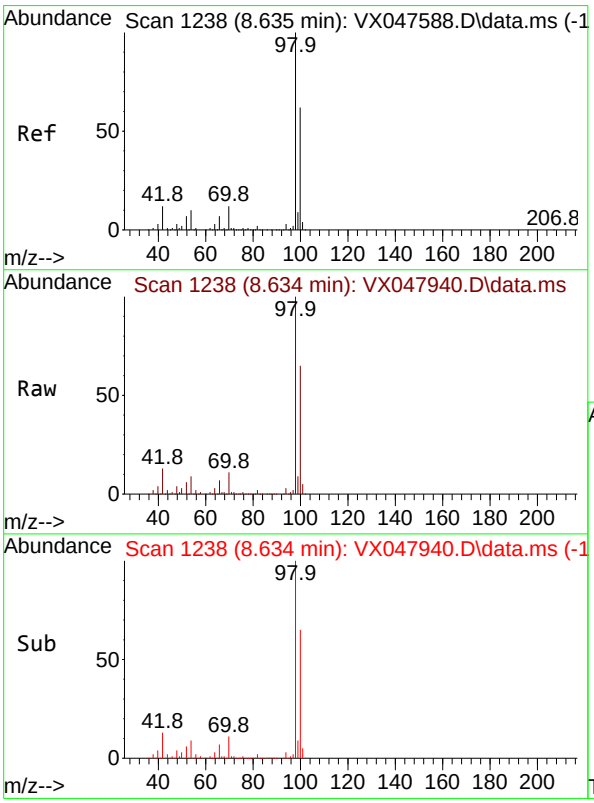
#44
Trichloroethene
Concen: 11.654 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Tgt Ion:130 Resp: 24958

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	210.8

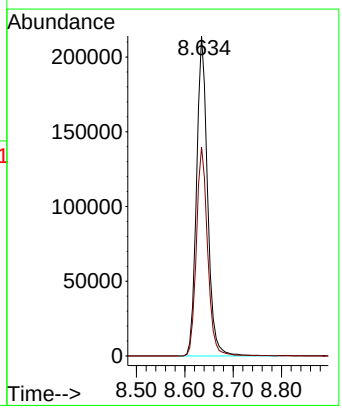


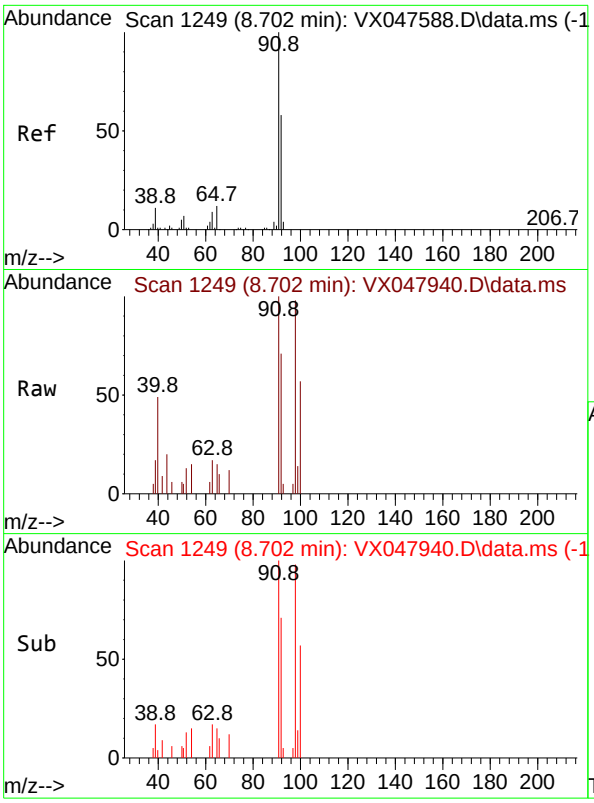


#50
Toluene-d8
Concen: 48.929 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Tgt Ion: 98 Resp: 337906

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



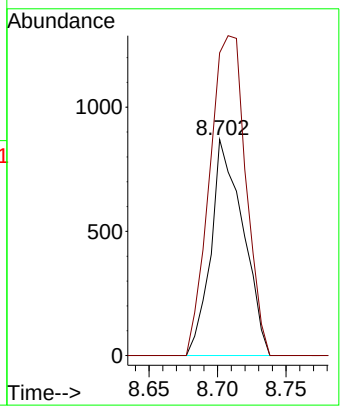


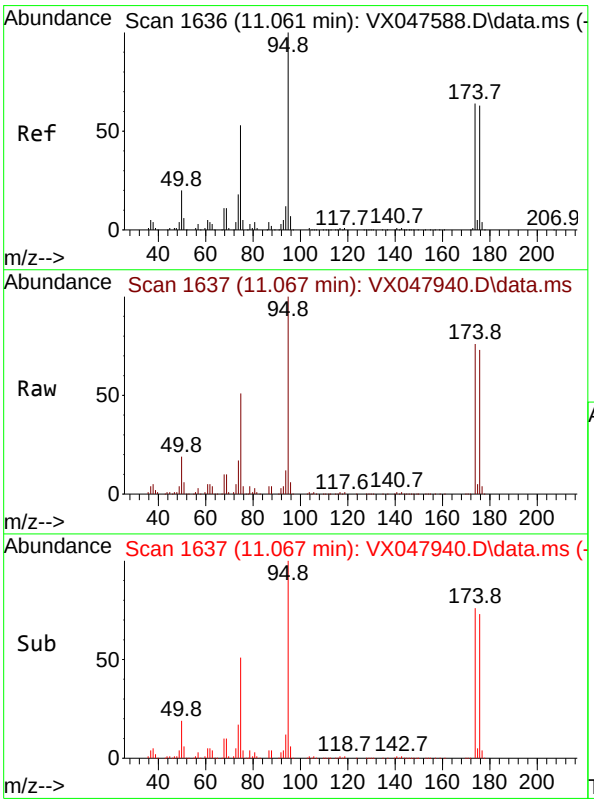
#52
Toluene
Concen: 0.260 ug/l
RT: 8.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Tgt Ion: 92 Resp: 1421

Ion	Ratio	Lower	Upper
92	100		
91	166.9	137.1	205.7

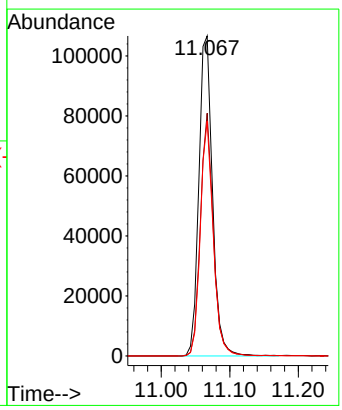


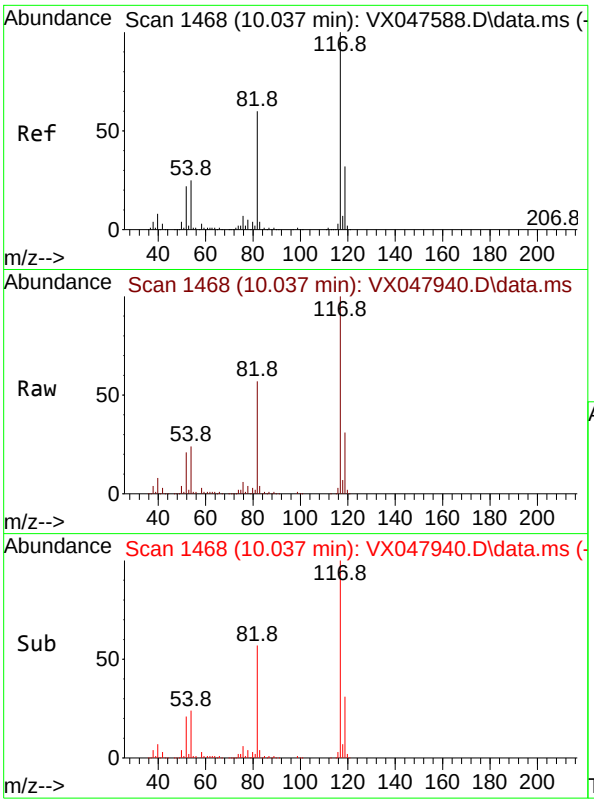


#62
4-Bromofluorobenzene
Concen: 56.472 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Tgt Ion: 95 Resp: 148011

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.6
176	69.3	0.0	138.4



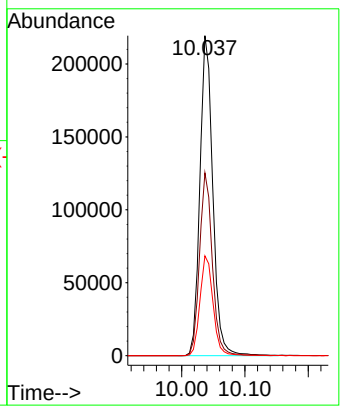


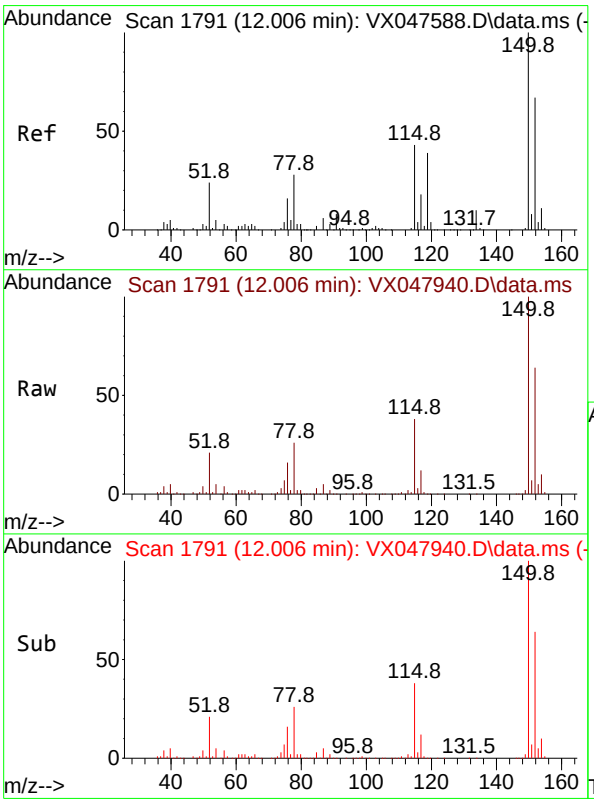
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250924

Tgt Ion:117 Resp: 311989

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.6
119	31.2	25.2	37.8

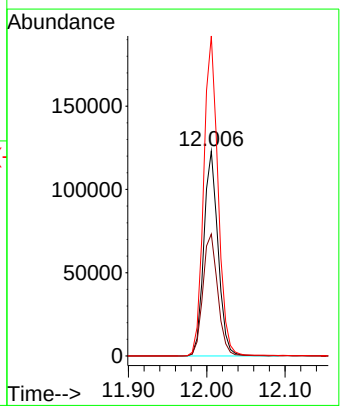




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047940.D
Acq: 01 Oct 2025 15:09

Tgt Ion:152 Resp: 154786

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	157.9	0.0	352.0



CALIBRATION SUMMARY

Raw Data

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: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

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

Raw Data

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: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

* 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 : 82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10.01
3)	P	Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.92
4)	C	Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.87#
5)	T	Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15.01
6)	T	Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.36
7)	T	Trichlorofluor...	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.49
8)	T	Diethyl Ether	0.372	0.405	0.413	0.409	0.420	0.409	0.405	4.17
9)	T	1,1,2-Trichlor...	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.21
10)	T	Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.85
11)	T	Tert butyl alc...		0.085	0.086	0.089	0.090	0.094	0.089	4.18
12)	CM	1,1-Dichloroet...	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.71#
13)	T	Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.59
14)	T	Allyl chloride	1.194	1.267	1.249	1.211	1.226	1.207	1.226	2.25
15)	T	Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.82
16)	T	Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.67
17)	T	Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.80
18)	T	Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.39
19)	T	Methyl tert-bu...	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.47
20)	T	Methylene Chlo...	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.45
21)	T	trans-1,2-Dich...	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.28
22)	T	Diisopropyl ether	1.976	2.531	2.487	2.477	2.398	2.384	2.376	8.56
23)	T	Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.41
24)	P	1,1-Dichloroet...	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.81
25)	T	2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	8.98
26)	T	2,2-Dichloropr...	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.06
27)	T	cis-1,2-Dichlo...	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.41
28)	T	Bromochloromet...	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.18
29)	T	Tetrahydrofuran	0.211	0.269	0.272	0.275	0.262	0.268	0.260	9.24
30)	C	Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.72#
31)	T	Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.08
32)	T	1,1,1-Trichlor...	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.33
33)	S	1,2-Dichloroet...		0.884	0.647	0.770	0.815	0.863	0.796	11.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.356	0.266	0.331	0.355	0.368	0.335	12.25
36)	T	1,1-Dichloropr...	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.15
37)	T	Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.21
38)	T	Carbon Tetrach...	0.482	0.574	0.555	0.539	0.526	0.518	0.532	5.99
39)	T	Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.60
40)	TM	Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.11
41)	T	Methacrylonitrile	0.236	0.264	0.286	0.286	0.282	0.271	0.271	7.13
42)	TM	1,2-Dichloroet...	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.76
43)	T	Isopropyl Acetate	0.751	0.882	0.889	0.897	0.865	0.879	0.860	6.34
44)	TM	Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.92
45)	C	1,2-Dichloropr...	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.37#
46)	T	Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.54
47)	T	Bromodichlorom...	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.65
48)	T	Methyl methacr...	0.372	0.421	0.447	0.449	0.436	0.446	0.429	6.97
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.005	0.005	0.005	0.004	19.43
50)	S	Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.10
51)	T	4-Methyl-2-Pen...	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.28
52)	CM	Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.22#
53)	T	t-1,3-Dichloro...	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.33
54)	T	cis-1,3-Dichlo...	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.74
55)	T	1,1,2-Trichlor...	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.10
56)	T	Ethyl methacry...	0.407	0.563	0.587	0.599	0.580	0.595	0.555	13.25

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M

57)	T	1,3-Dichloropr...	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.51
58)	T	2-Chloroethyl ...	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.65
59)	T	2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.82
60)	T	Dibromochlorom...	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.49
61)	T	1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.10
62)	S	4-Bromofluorob...		0.478	0.360	0.427	0.452	0.484	0.440	11.42
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6.03
65)	PM	Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.18
66)	T	1,1,1,2-Tetrac...	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.26
67)	C	Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.57#
68)	T	m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.77
69)	T	o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.13
70)	T	Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.70
71)	P	Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.37
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.94
74)	T	N-amyl acetate	1.277	1.726	1.851	1.862	1.834	1.850	1.733	13.21
75)	P	1,1,2,2-Tetrac...	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.16
76)	T	1,2,3-Trichlor...	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.13
77)	T	Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.38
78)	T	n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.17
79)	T	2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.91
80)	T	1,3,5-Trimethy...	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.62
81)	T	trans-1,4-Dich...		0.347	0.381	0.414	0.420	0.424	0.397	8.31
82)	T	4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.74
83)	T	tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.39
84)	T	1,2,4-Trimethy...	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.17
85)	T	sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.09
86)	T	p-Isopropyltol...	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.81
87)	T	1,3-Dichlorobe...	1.462	1.800	1.829	1.817	1.768	1.758	1.739	7.95
88)	T	1,4-Dichlorobe...	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.47
89)	T	n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.14
90)	T	Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.81
91)	T	1,2-Dichlorobe...	1.359	1.691	1.757	1.746	1.696	1.692	1.657	8.97
92)	T	1,2-Dibromo-3-...	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.07
93)	T	1,2,4-Trichlor...	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.34
94)	T	Hexachlorobuta...	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.51
95)	T	Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.46
96)	T	1,2,3-Trichlor...	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.72

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	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	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l		
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l		
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l		
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

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

ICAL Form

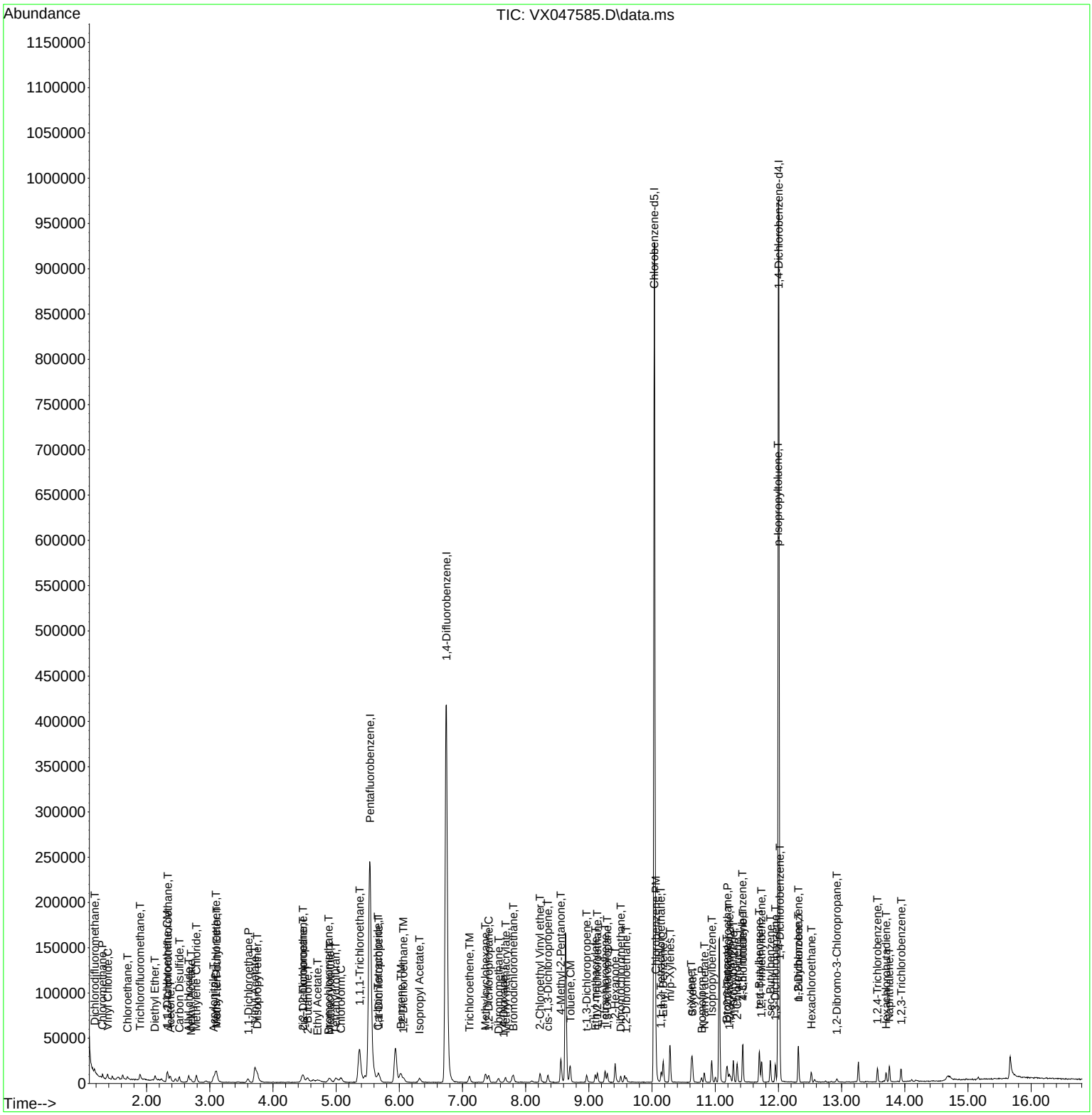
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

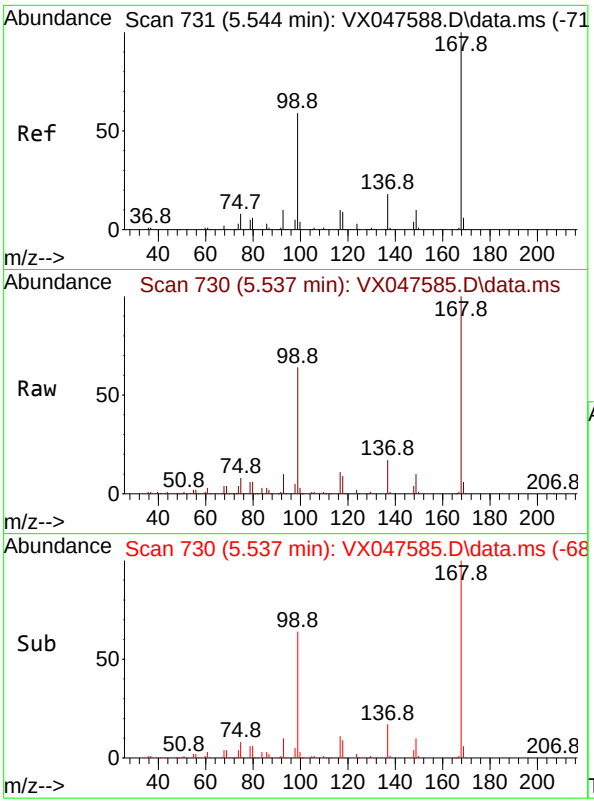
Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

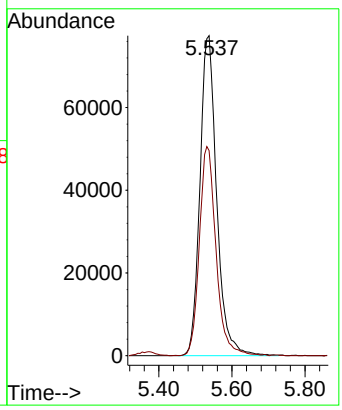




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:168 Resp: 24634

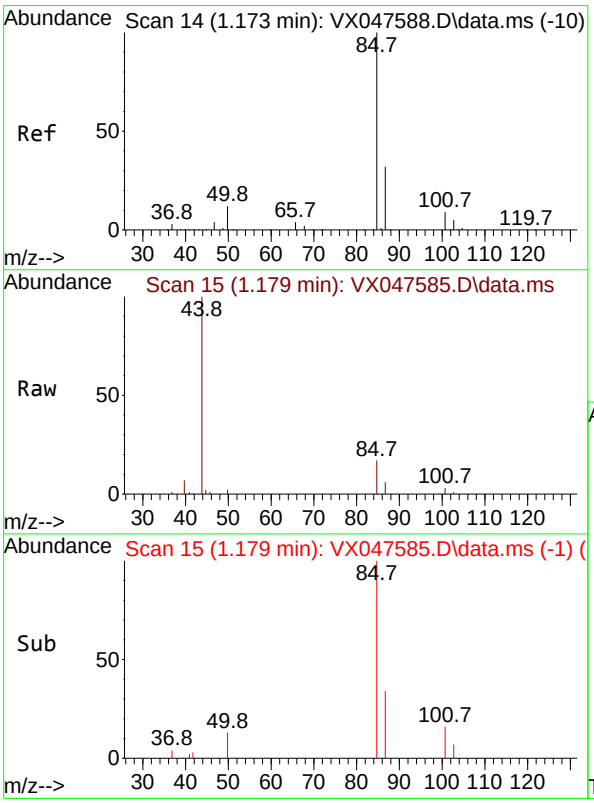
Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

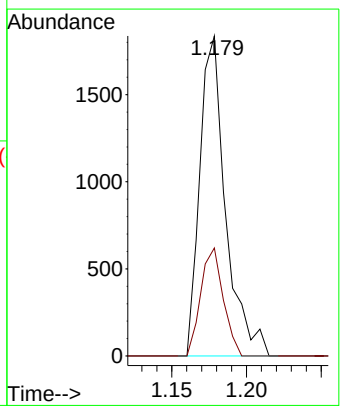
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

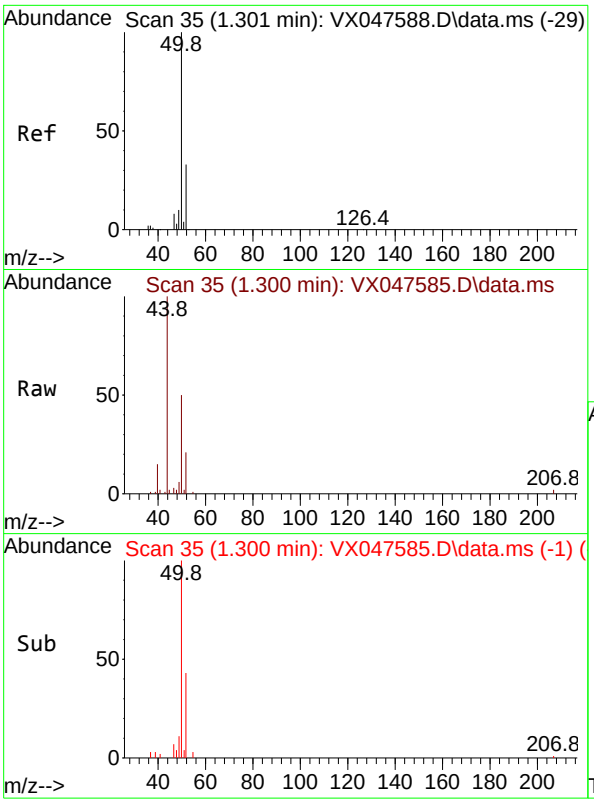


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3

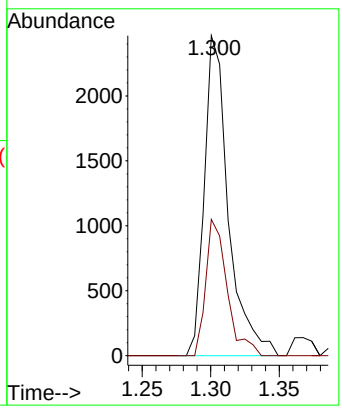




#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 50 Resp: 300

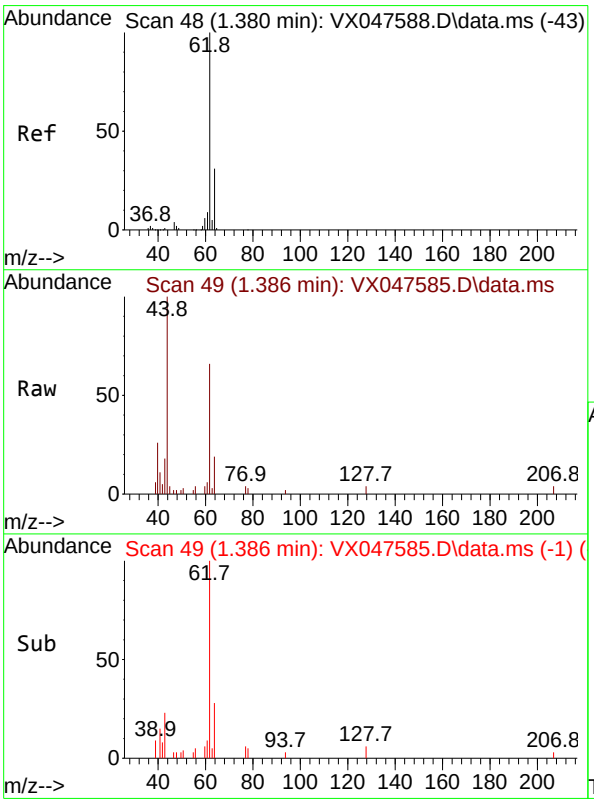
Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

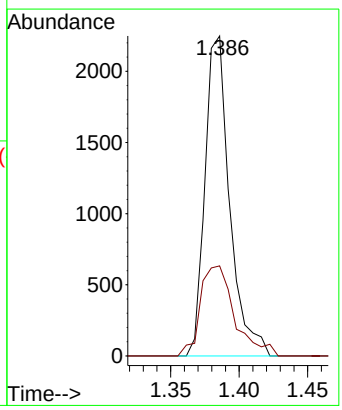
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

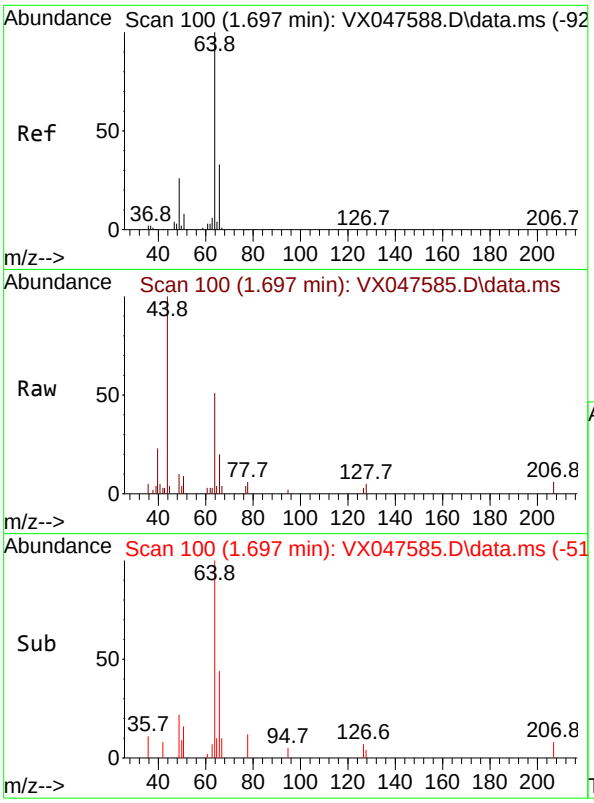


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3

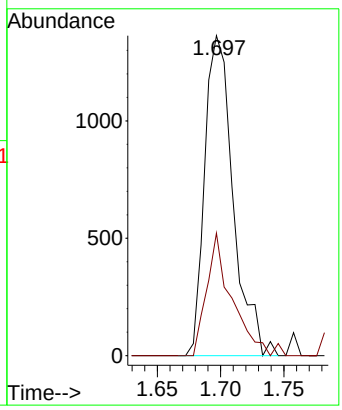




#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 213

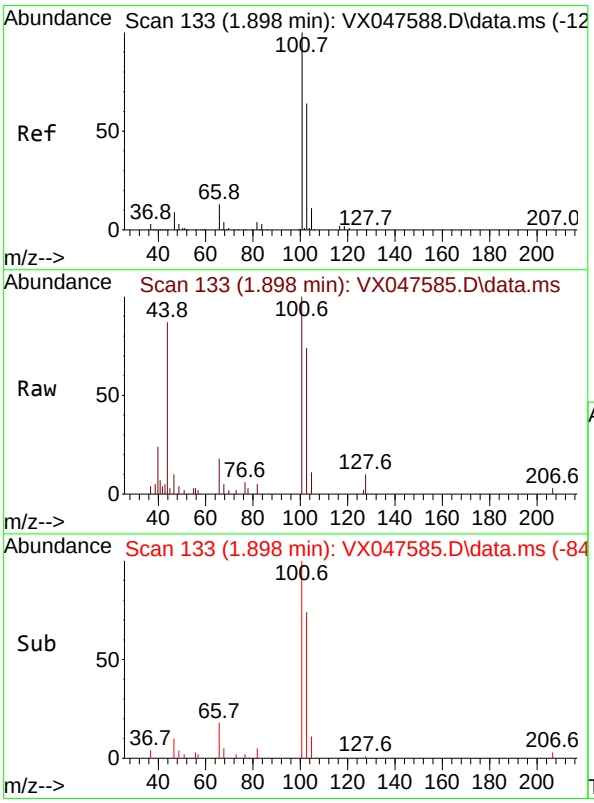
Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

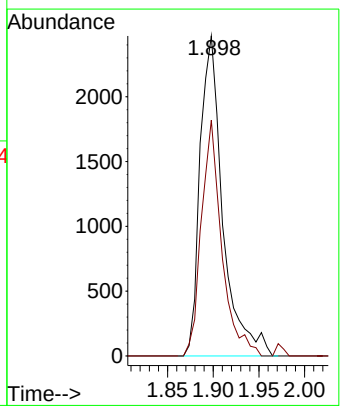
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

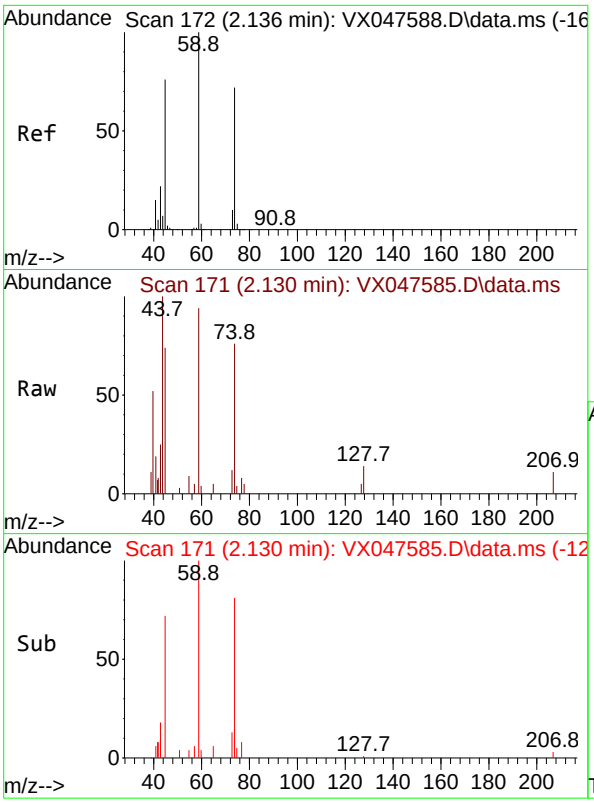


#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2





#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

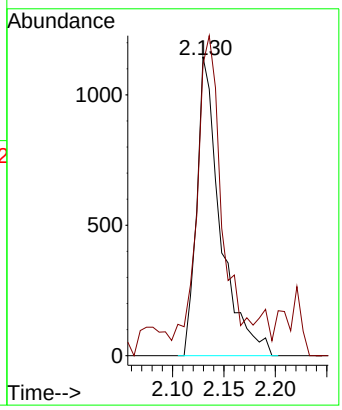
Tgt Ion: 74 Resp: 183

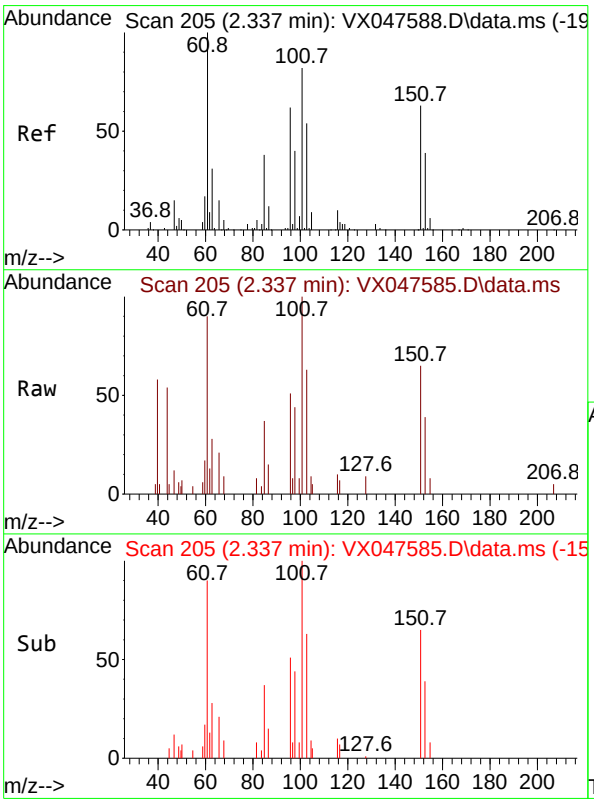
Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

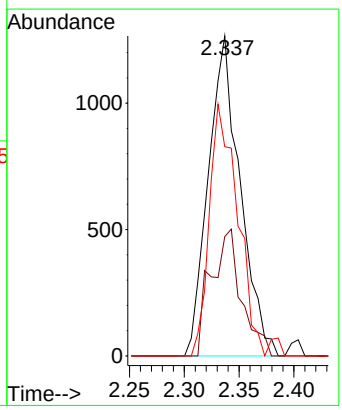


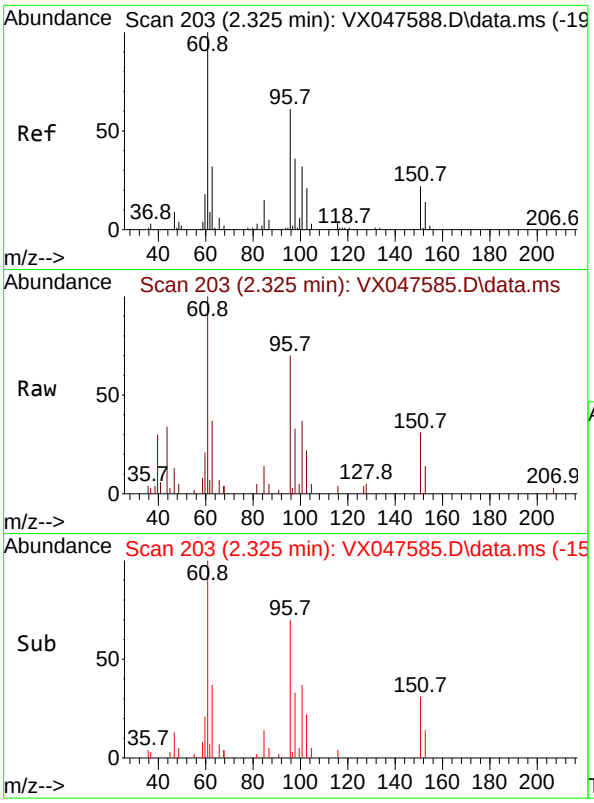


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

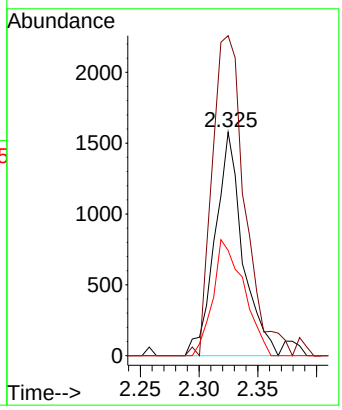




#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 259

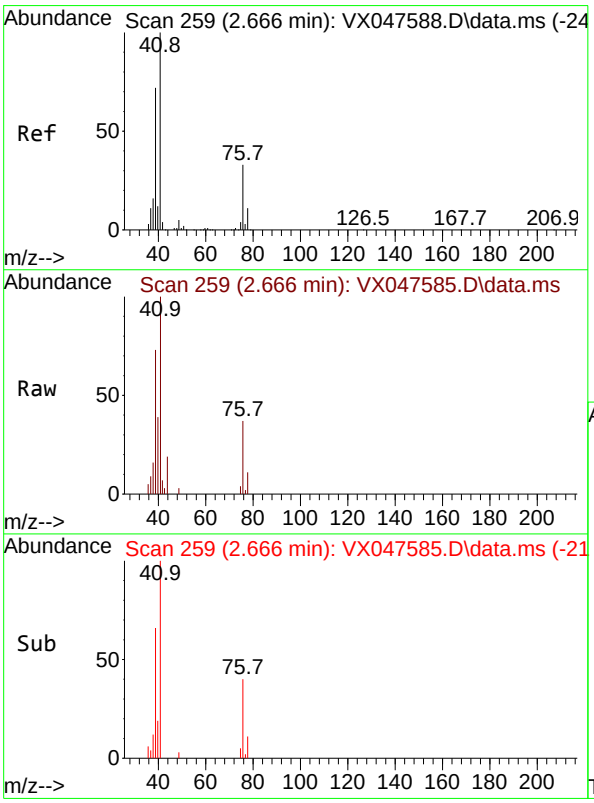
Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

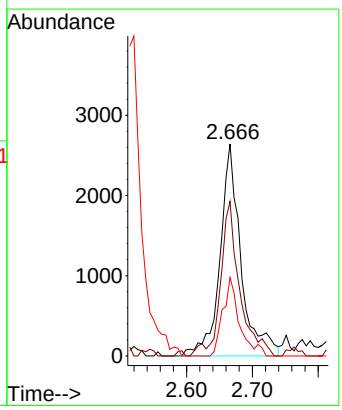
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

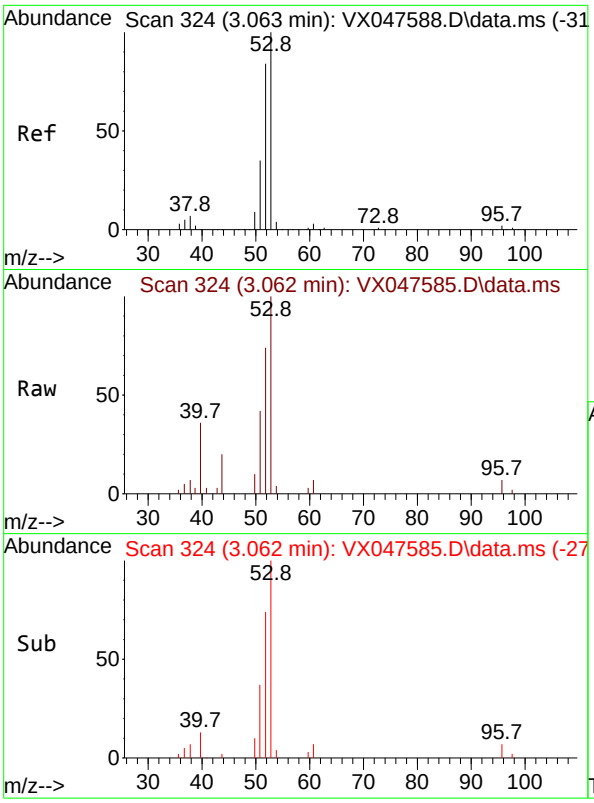


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5

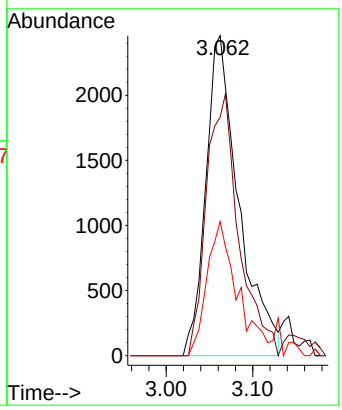




#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 53 Resp: 650

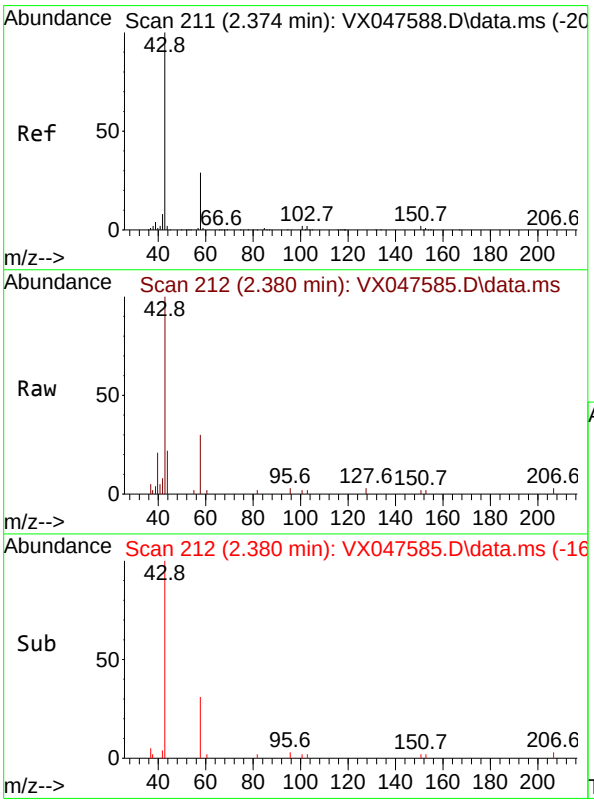
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

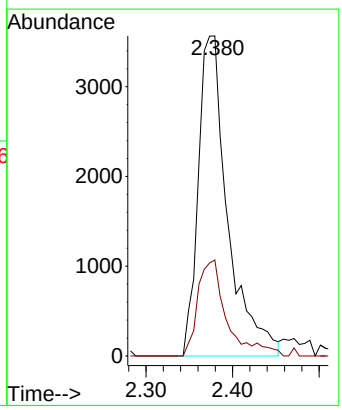
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

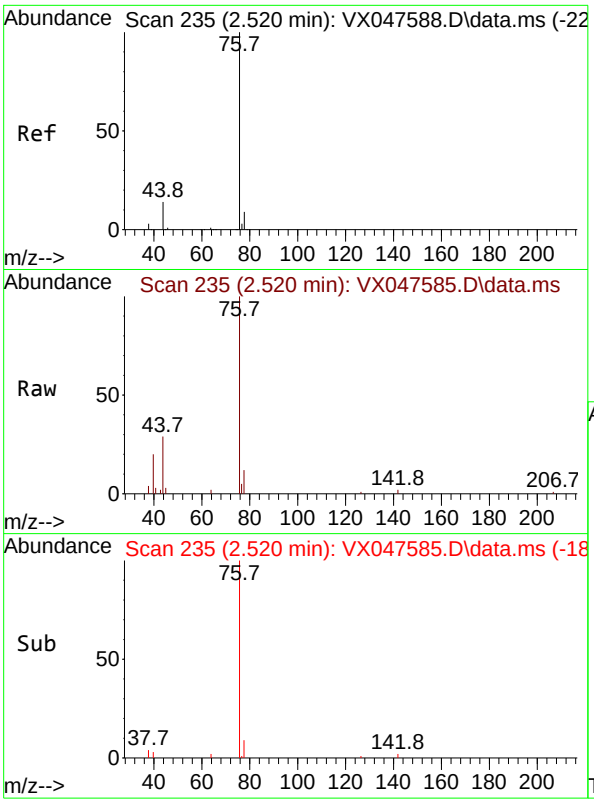


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0





#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 766

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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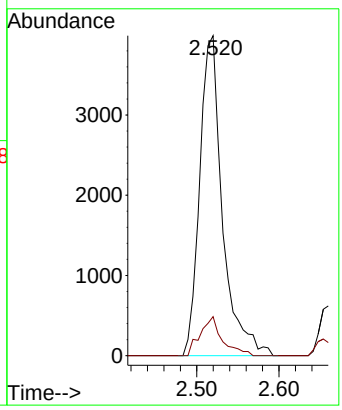
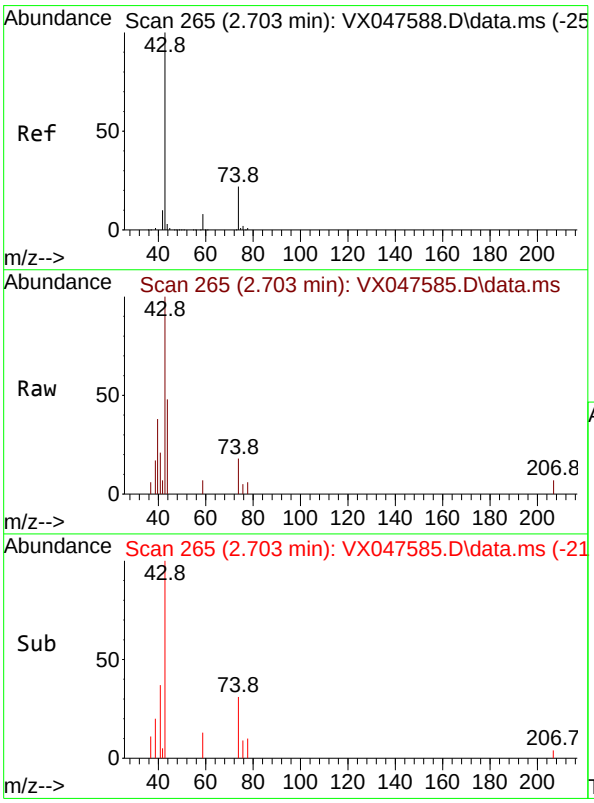
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

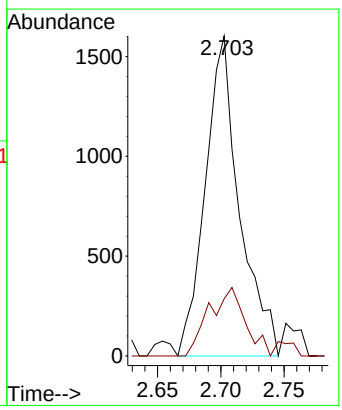


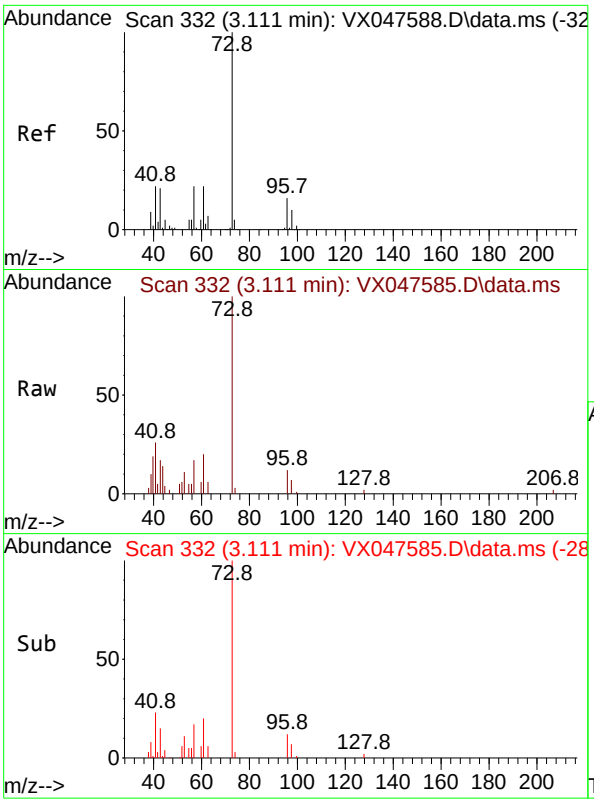


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

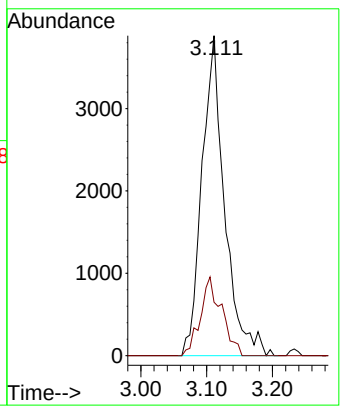




#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 73 Resp: 928

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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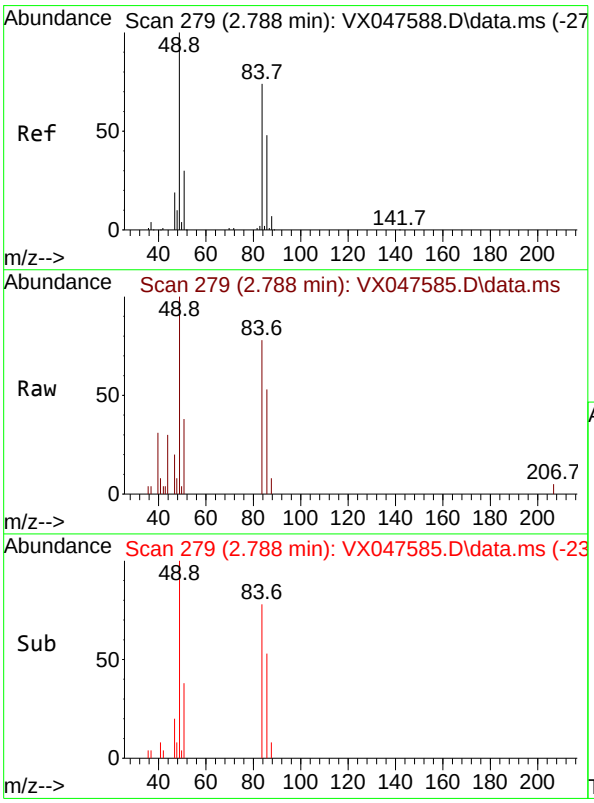
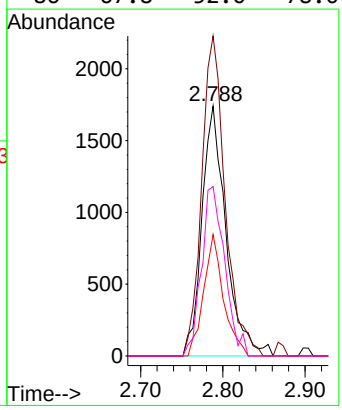
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

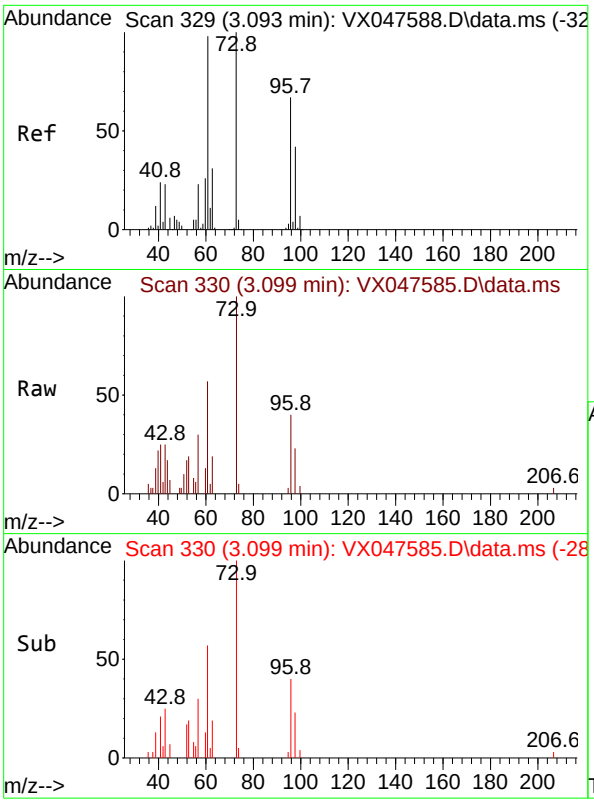


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0

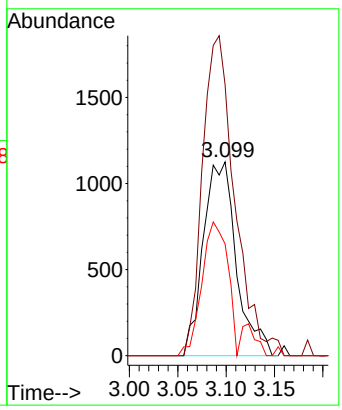




#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 267

Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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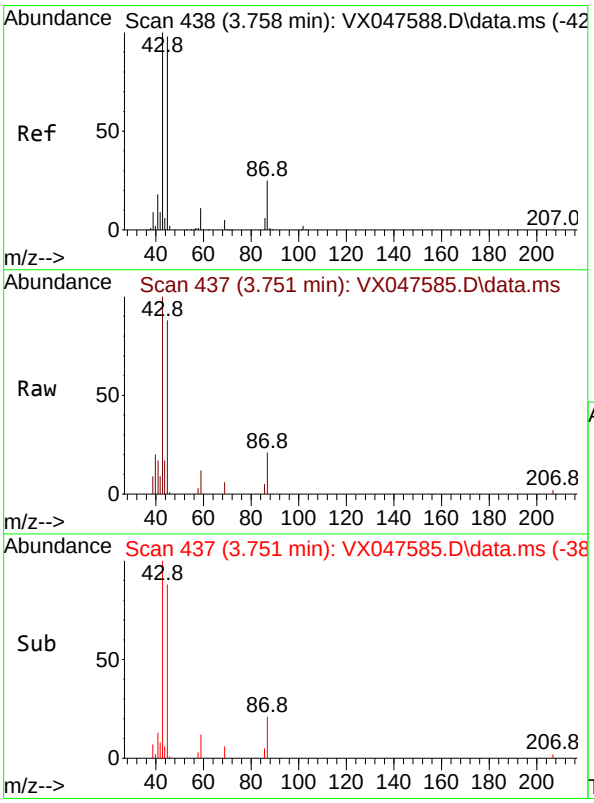
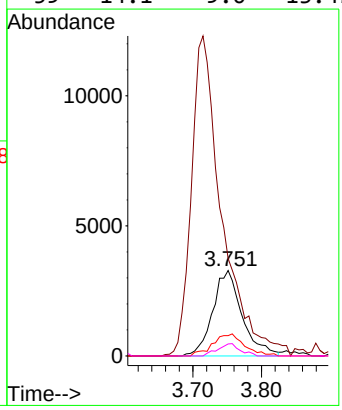
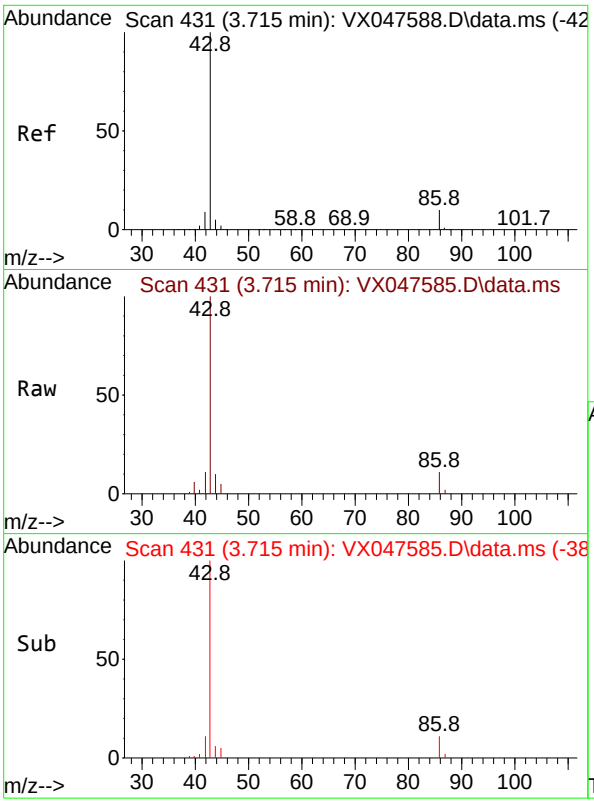


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#





#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3796

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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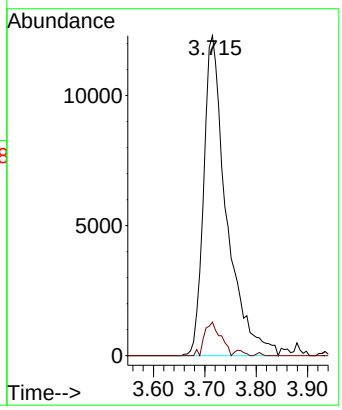
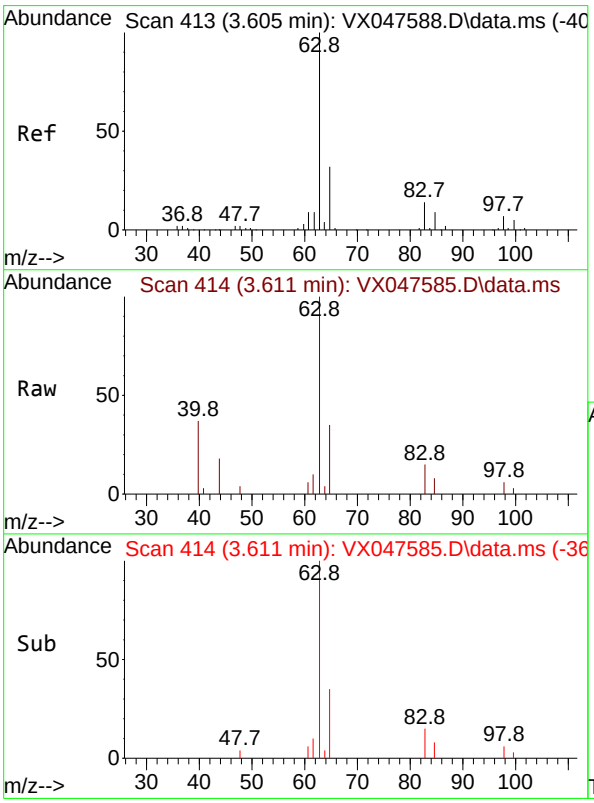
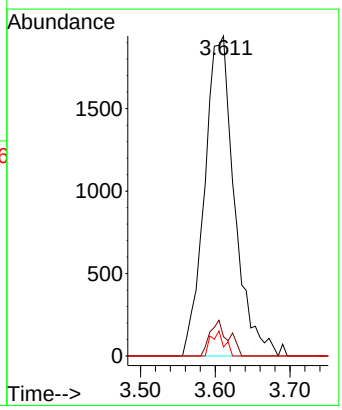


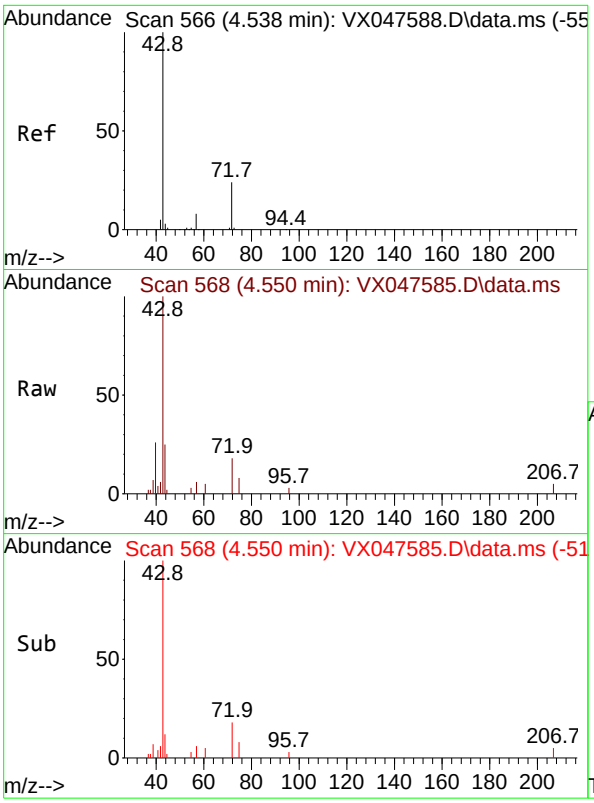


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9





#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 910

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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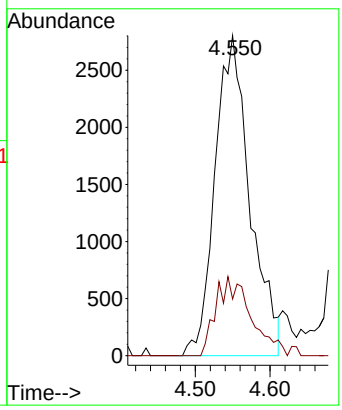
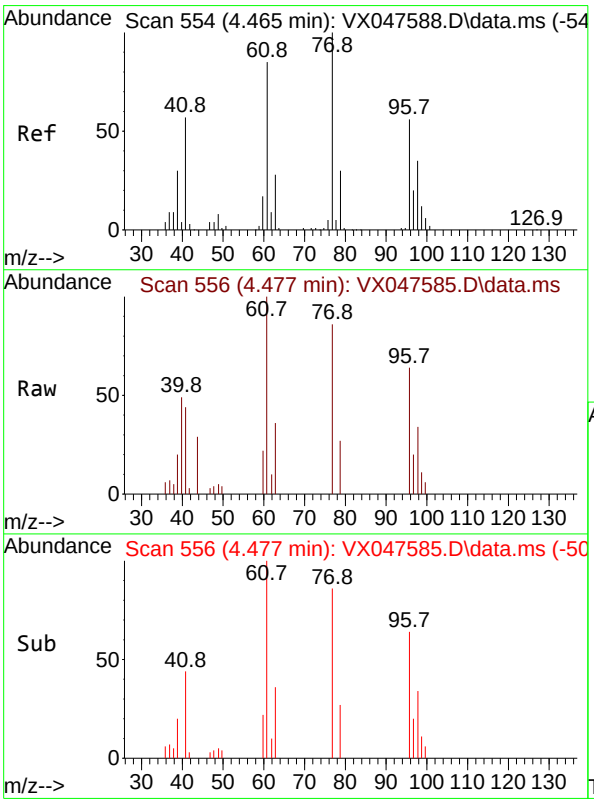
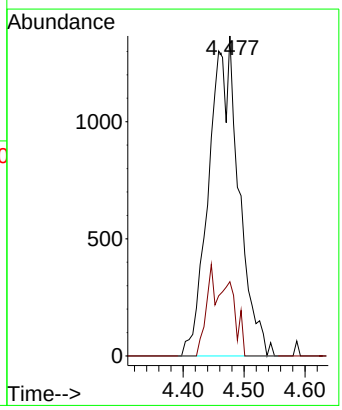


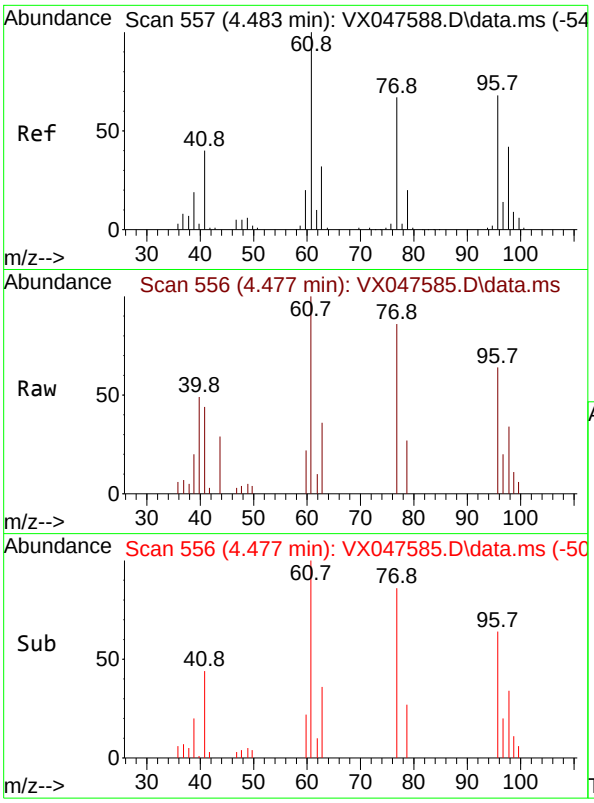


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7

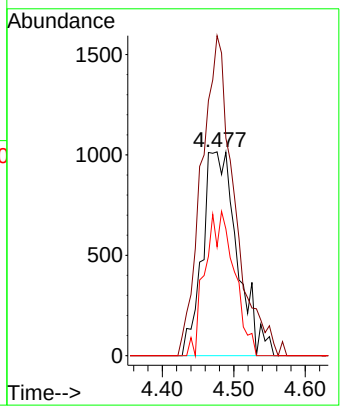




#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 344

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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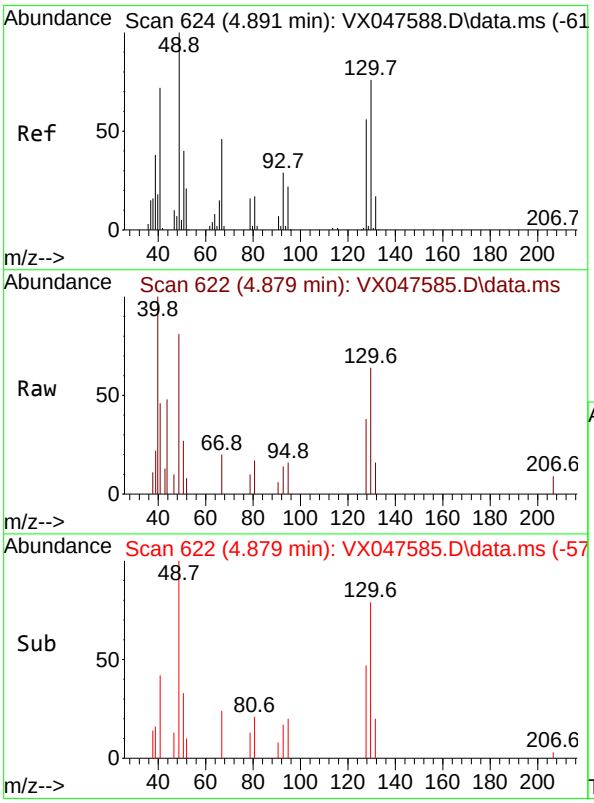
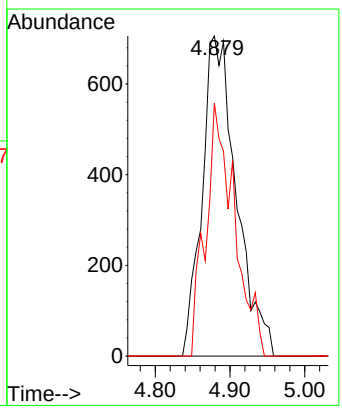
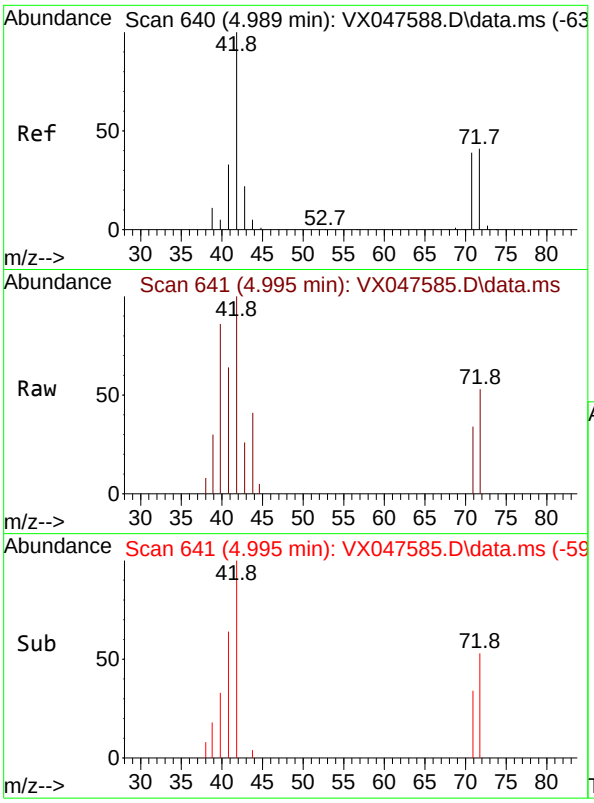


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 42 Resp: 521

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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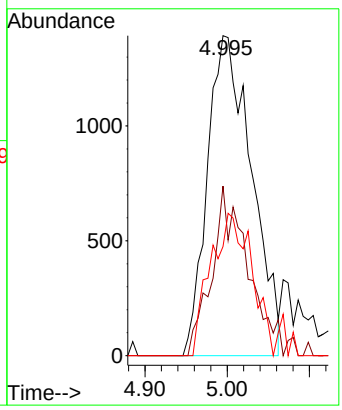
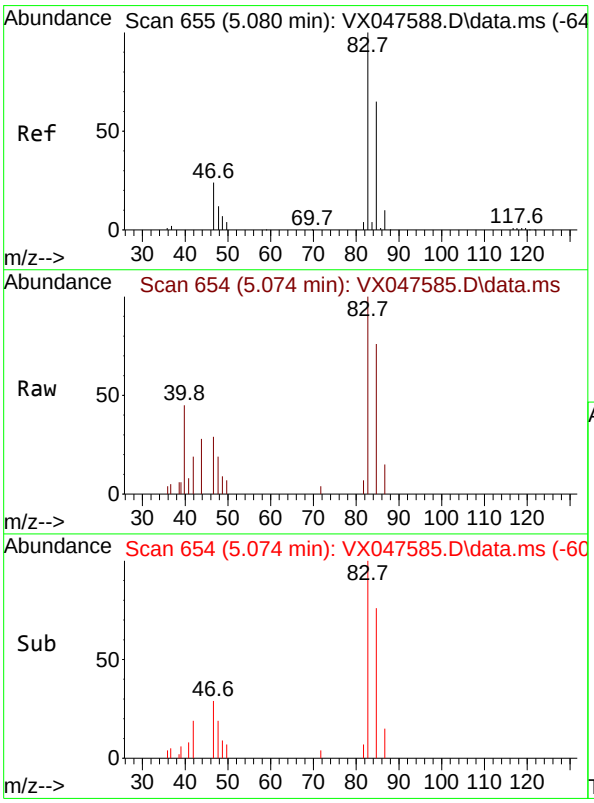
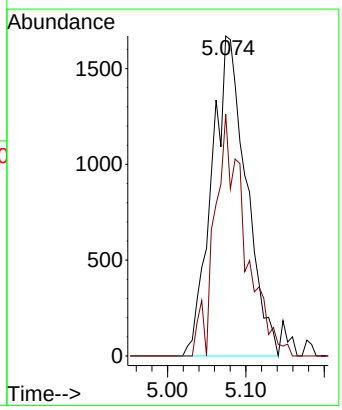


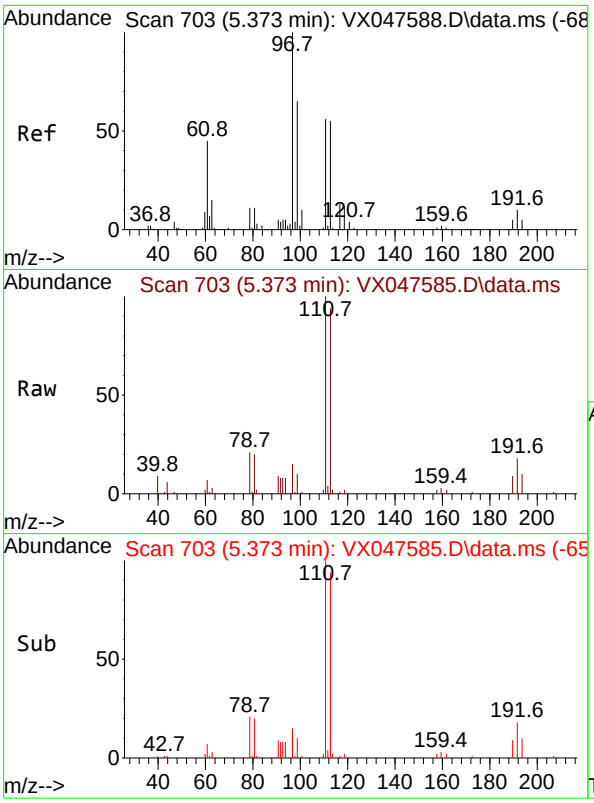


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6





#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 443

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0
61	36.2	35.8	53.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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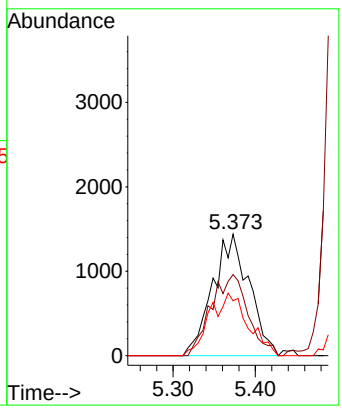
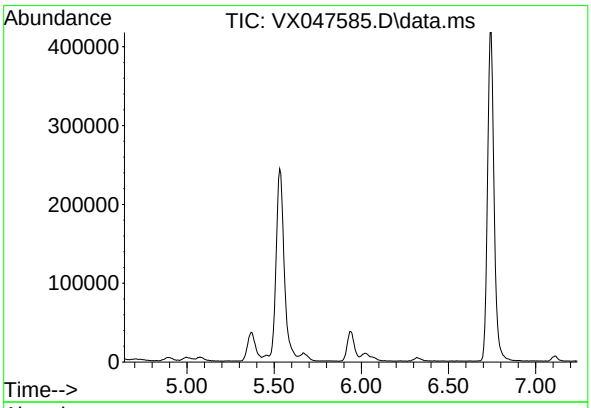


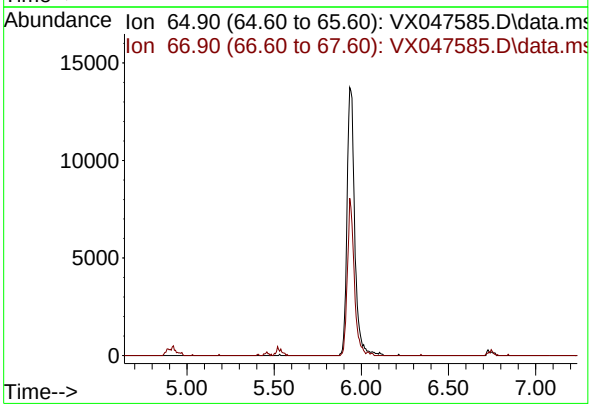


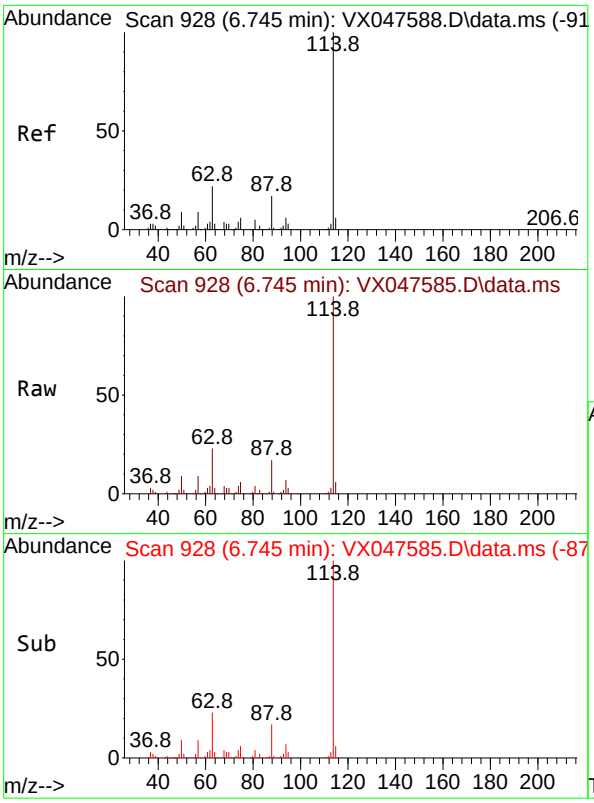
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.5





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 45150

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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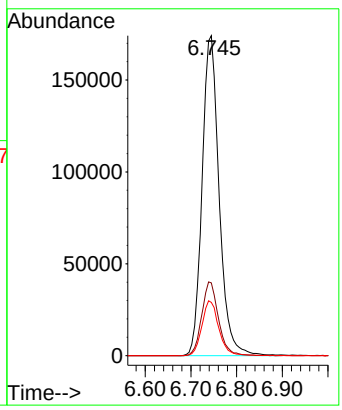
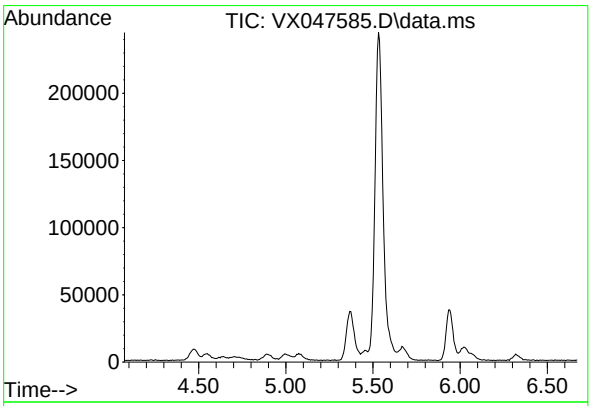


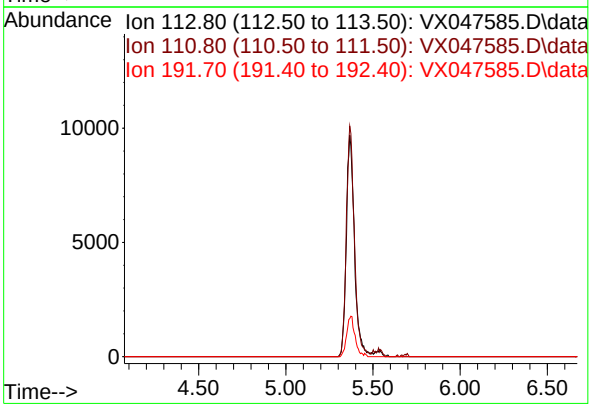


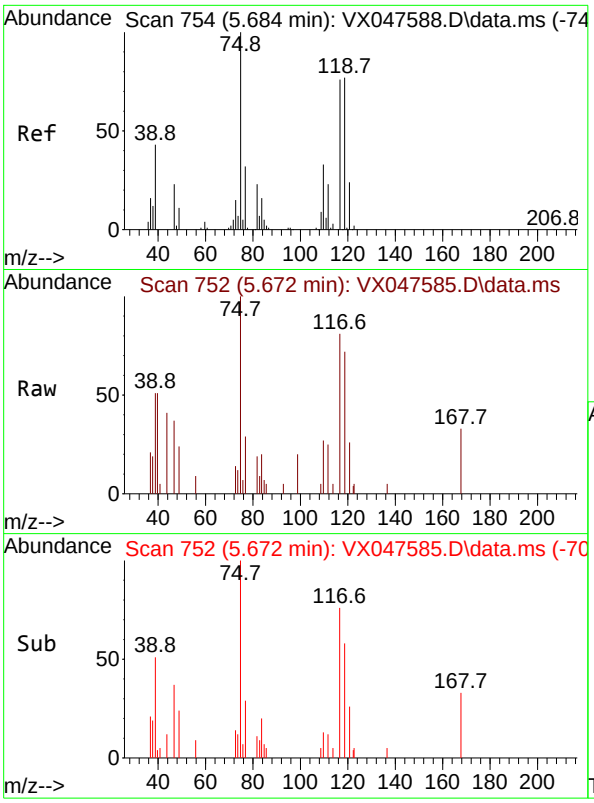
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.1
192	17.8

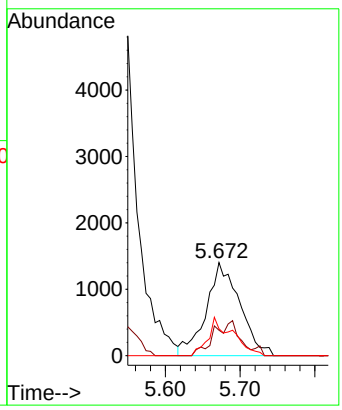




#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 437

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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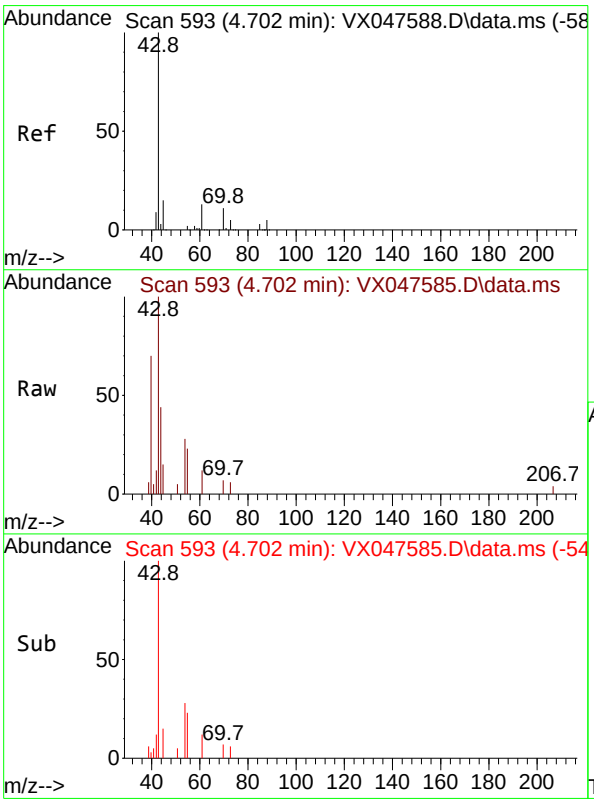
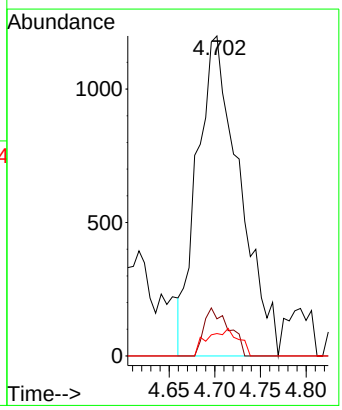
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

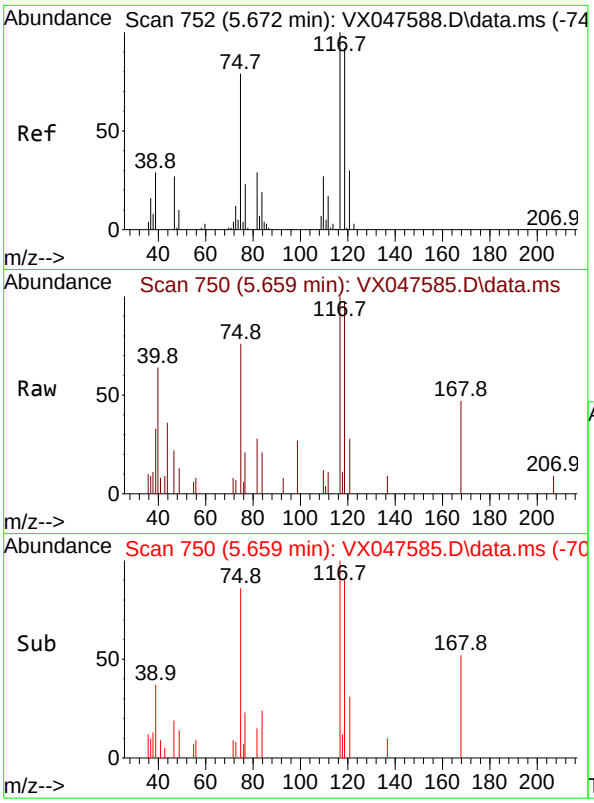


#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

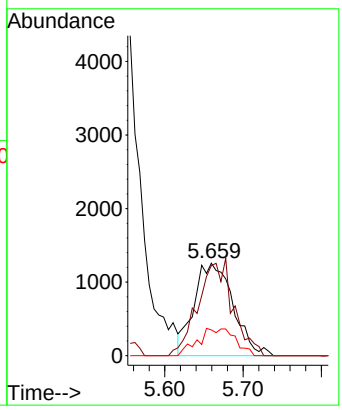




#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 434

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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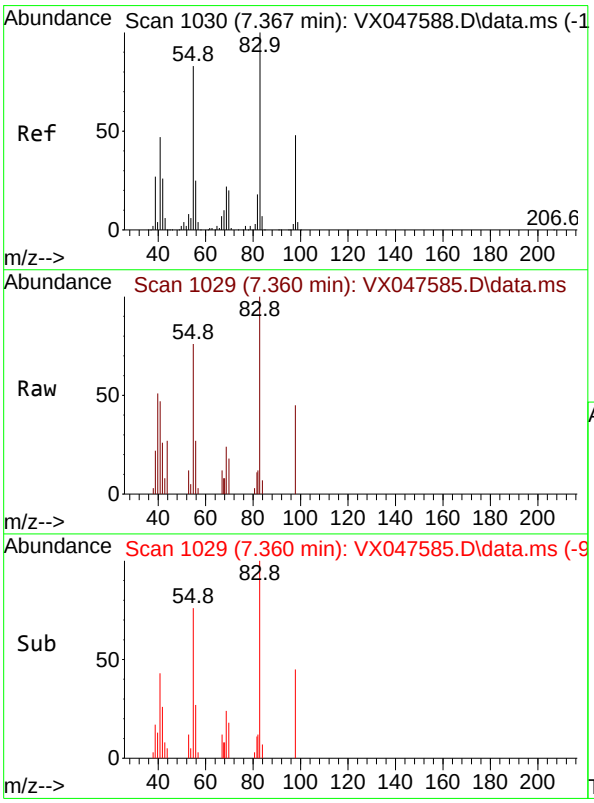
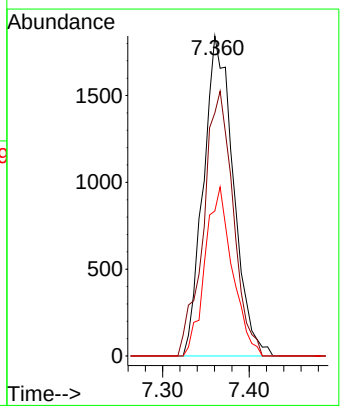
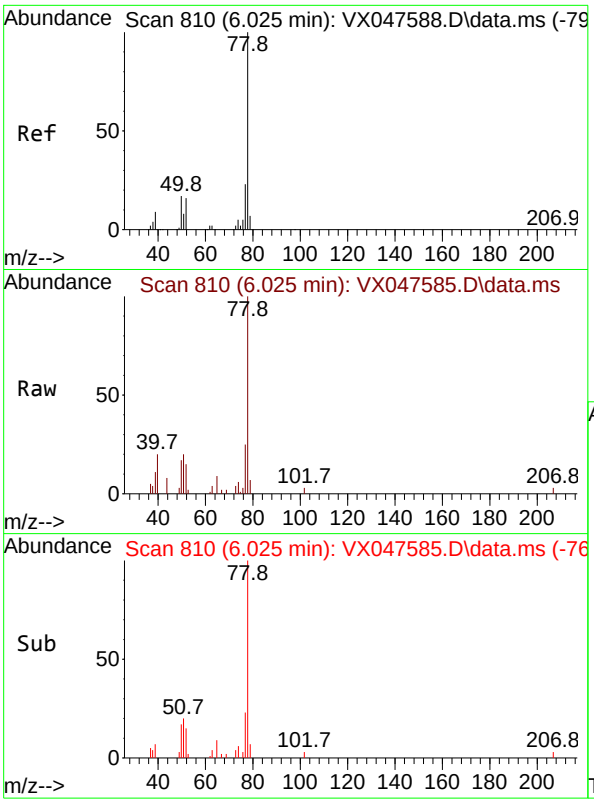


#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1





#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 1201

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
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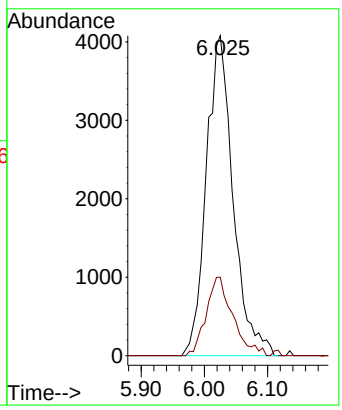
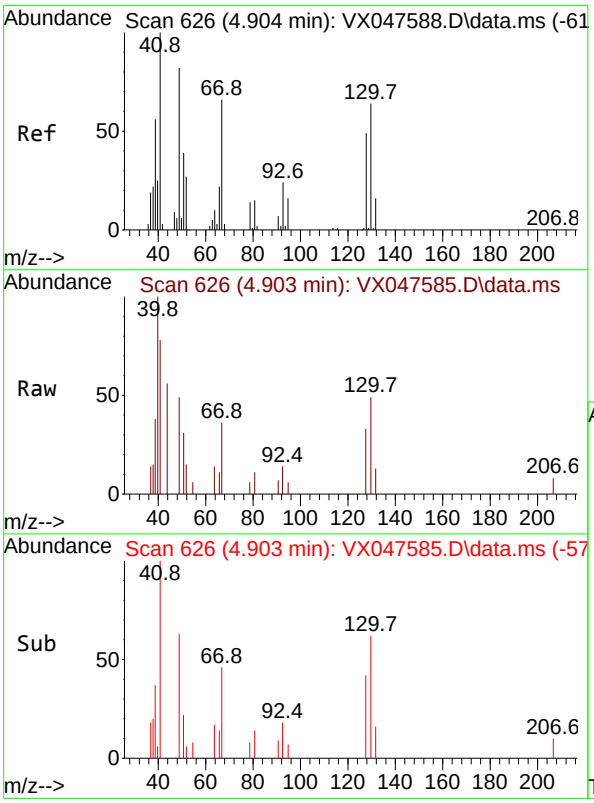
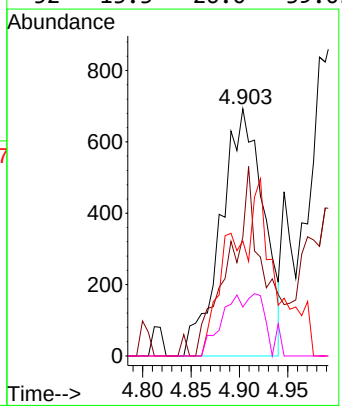


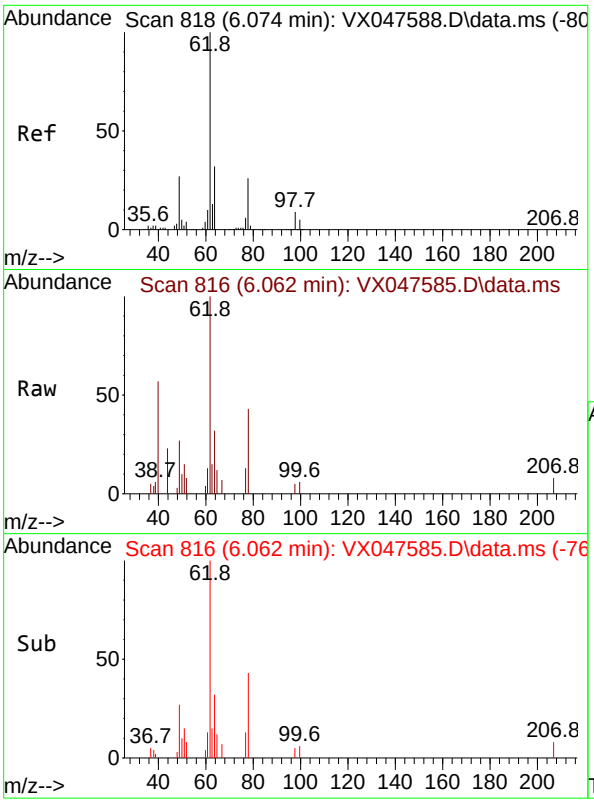


#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#





#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 463

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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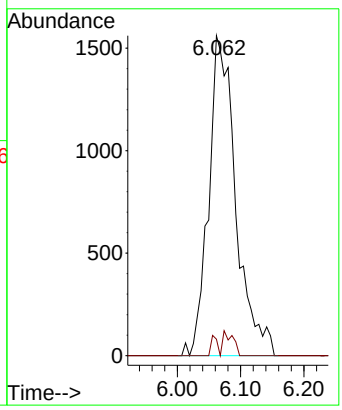
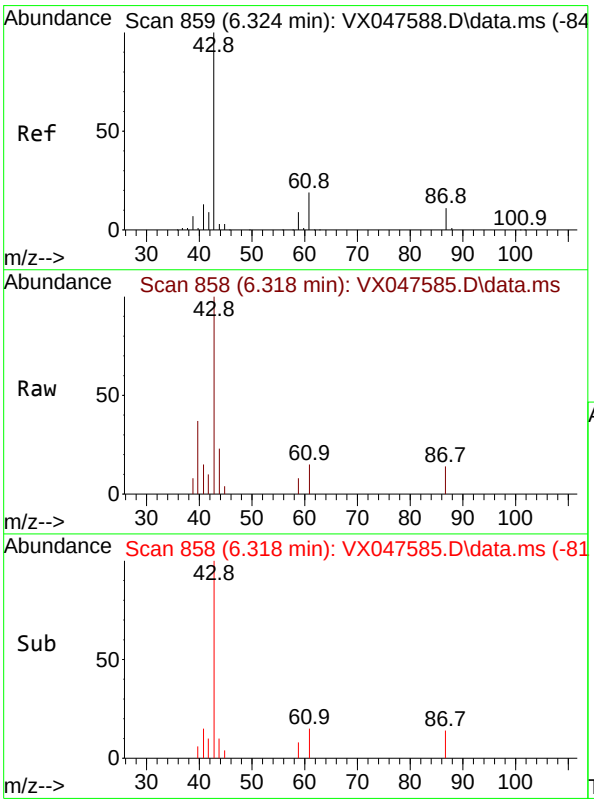
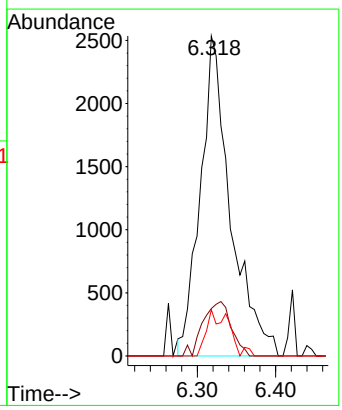


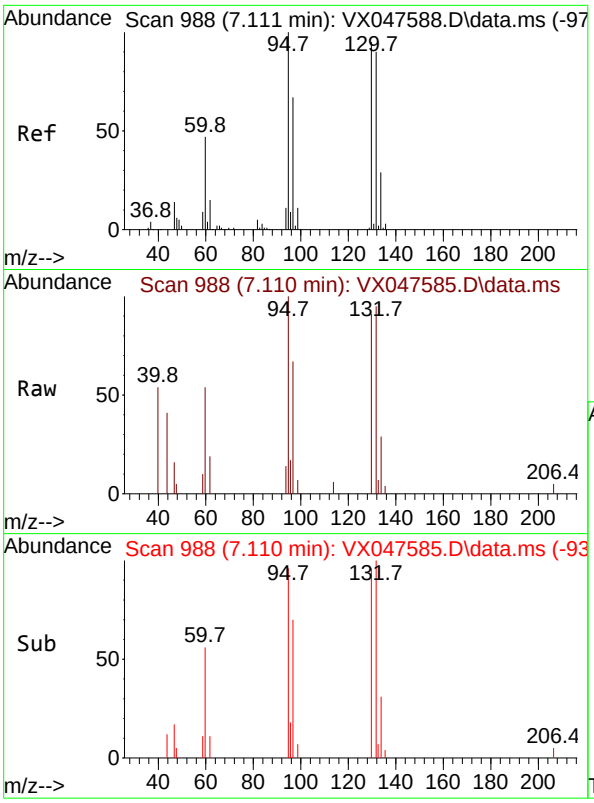


#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4





#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 267

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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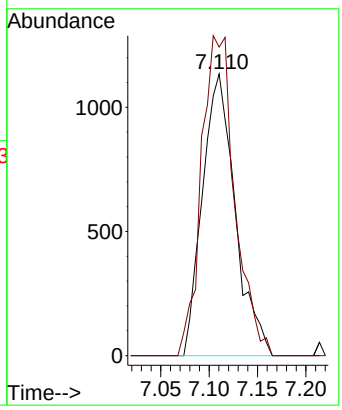
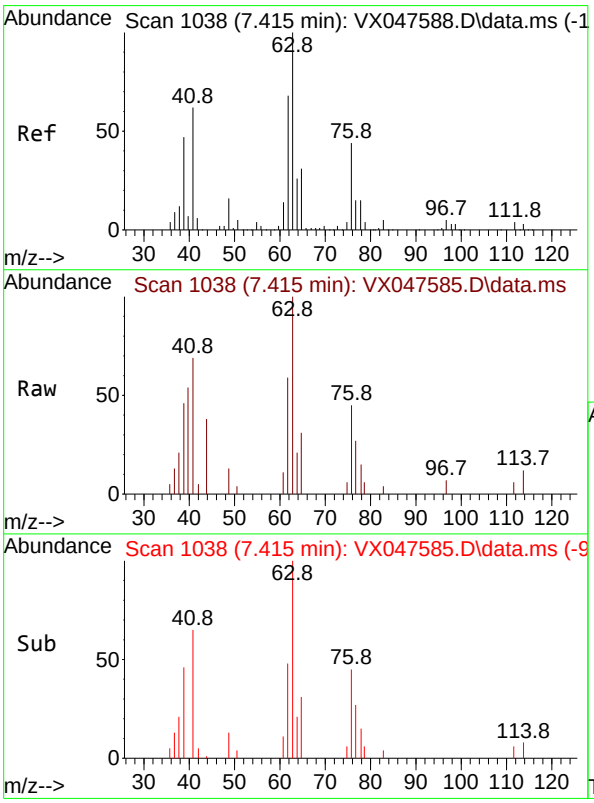
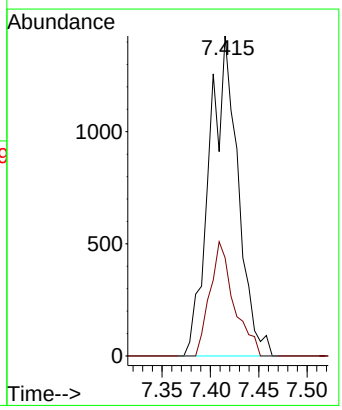


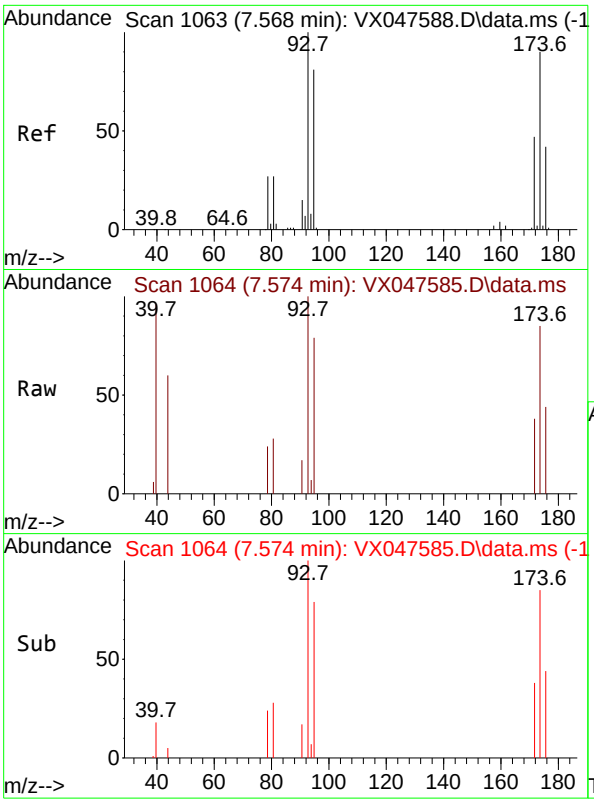


#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

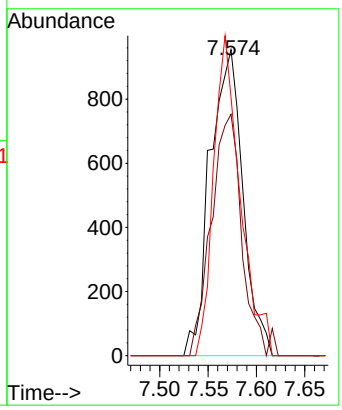




#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 224

Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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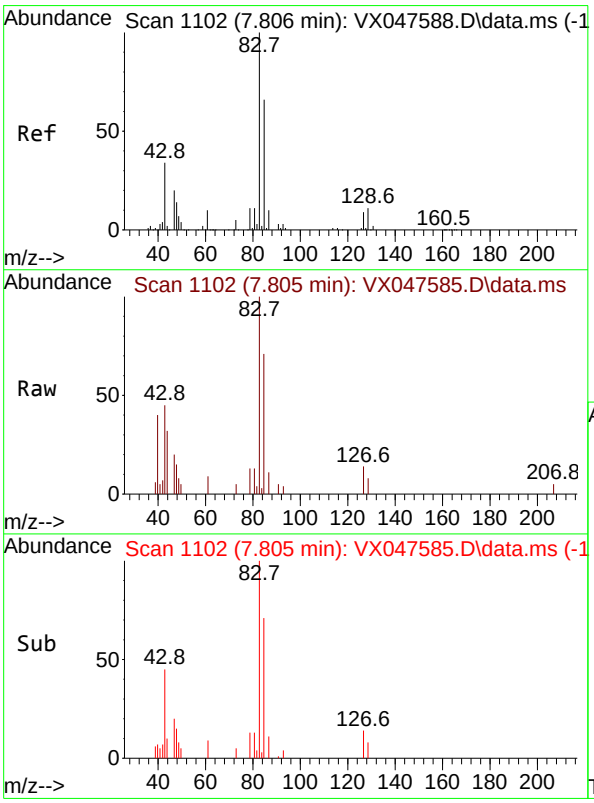
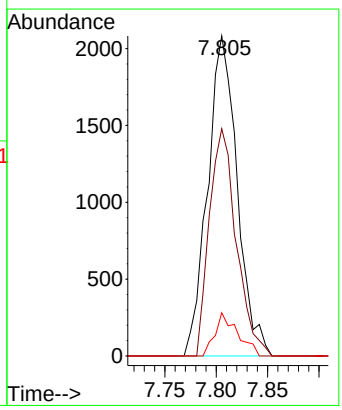
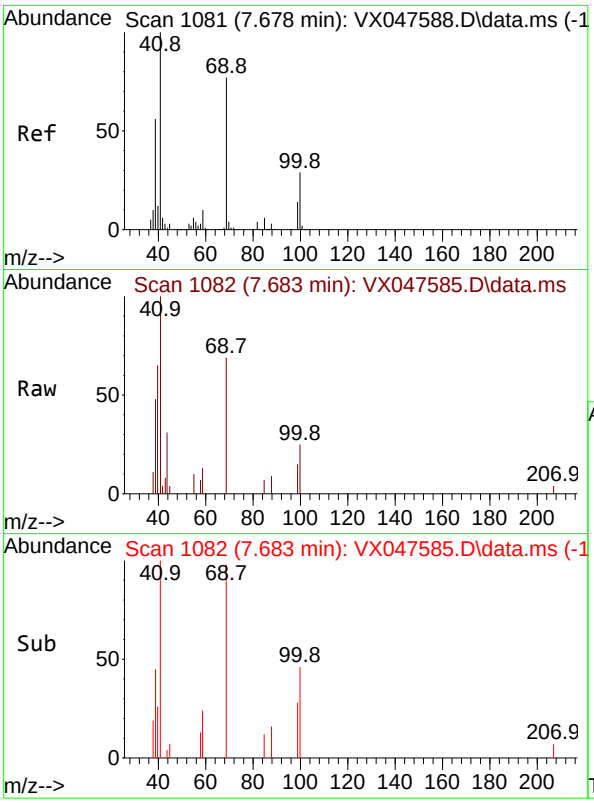


#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#

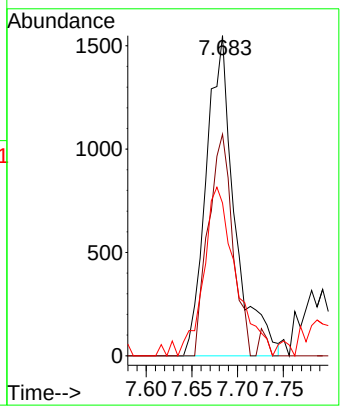




#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 335

Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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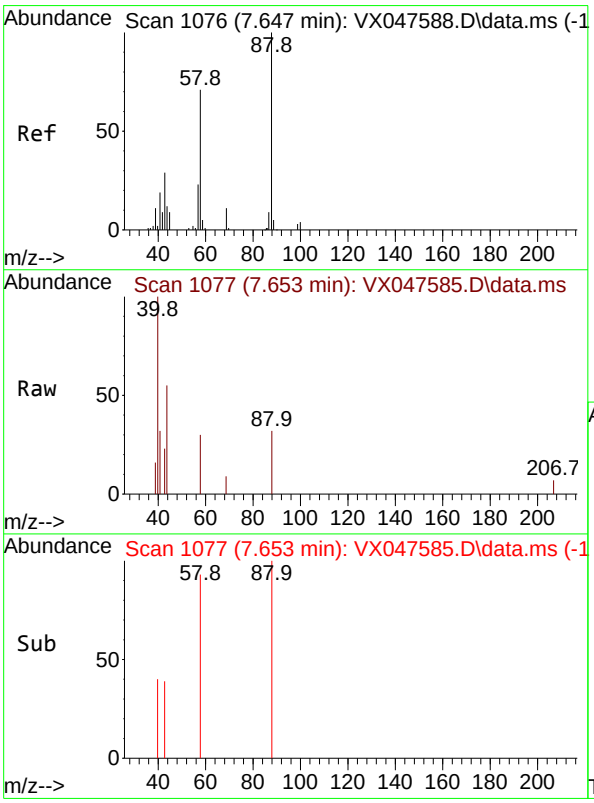
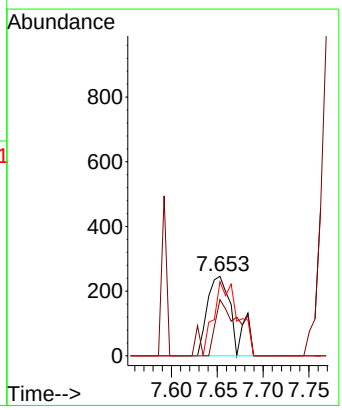
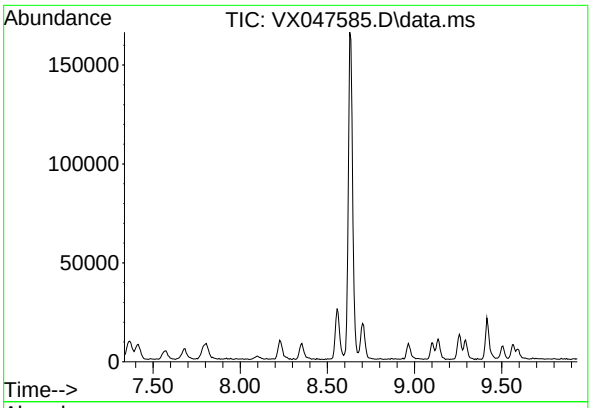


#49
1,4-Dioxane
Concen: 12.477 ug/l m
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 88 Resp: 488

Ion	Ratio	Lower	Upper
88	100		
43	64.1	30.2	45.2#
58	88.9	59.5	89.3





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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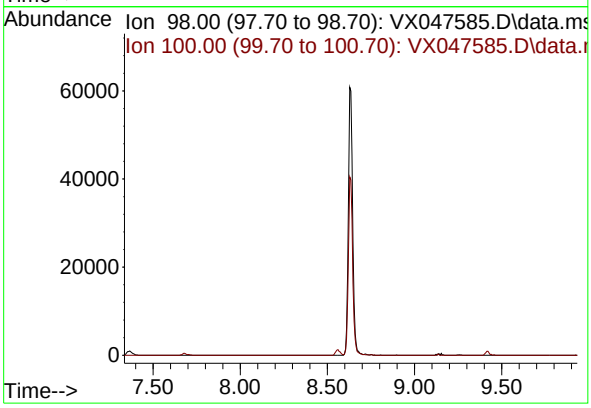
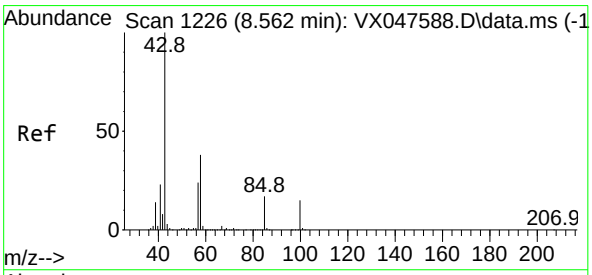
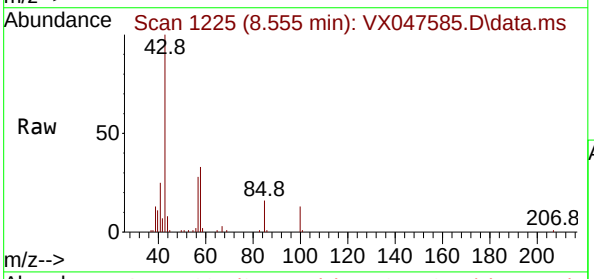
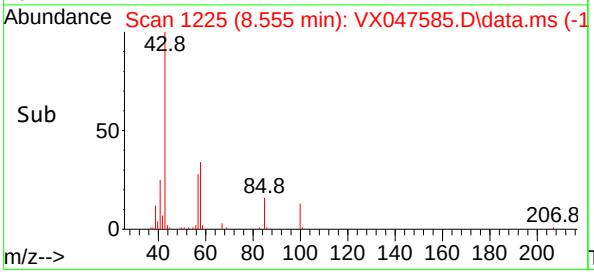




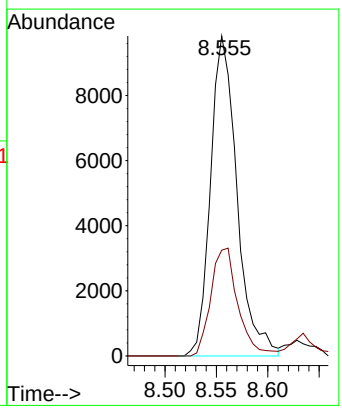


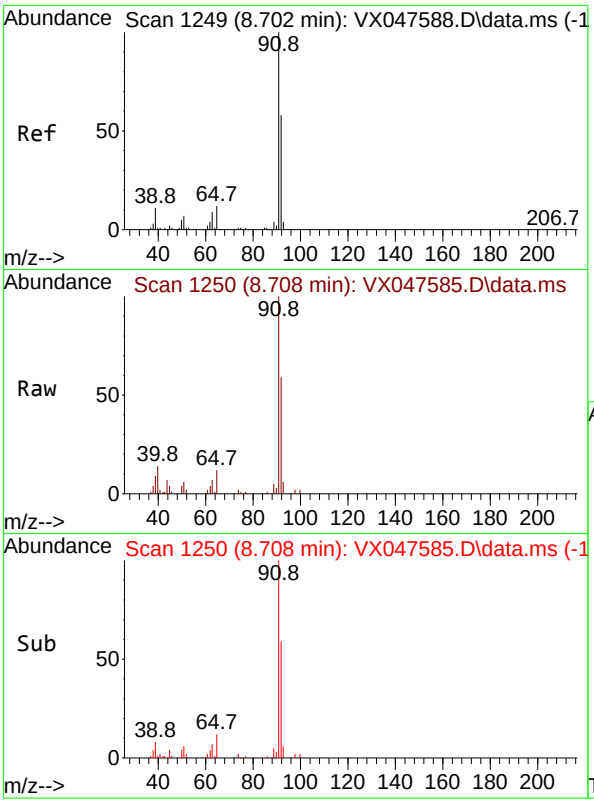


#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

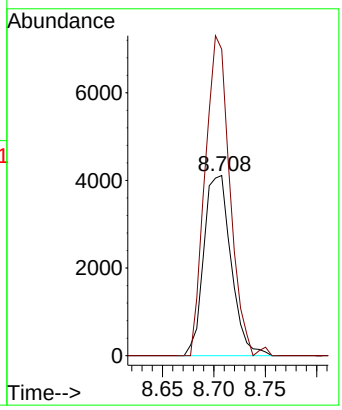




#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 759

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



Instrument :
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ClientSampleId :
VSTDICC001

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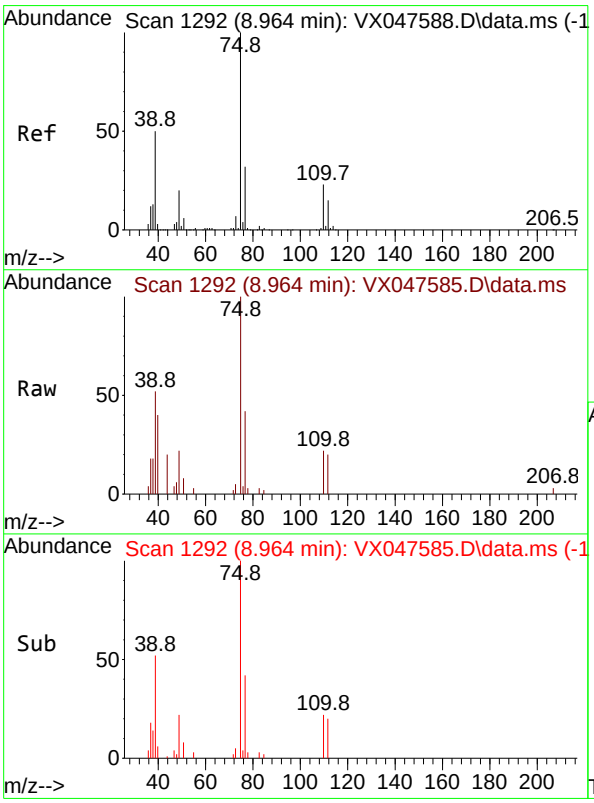
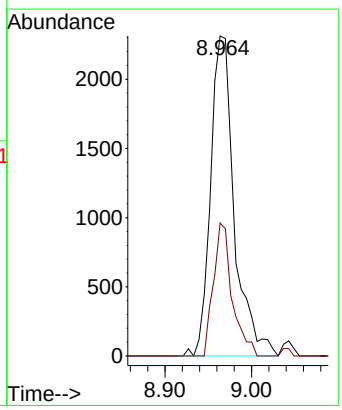
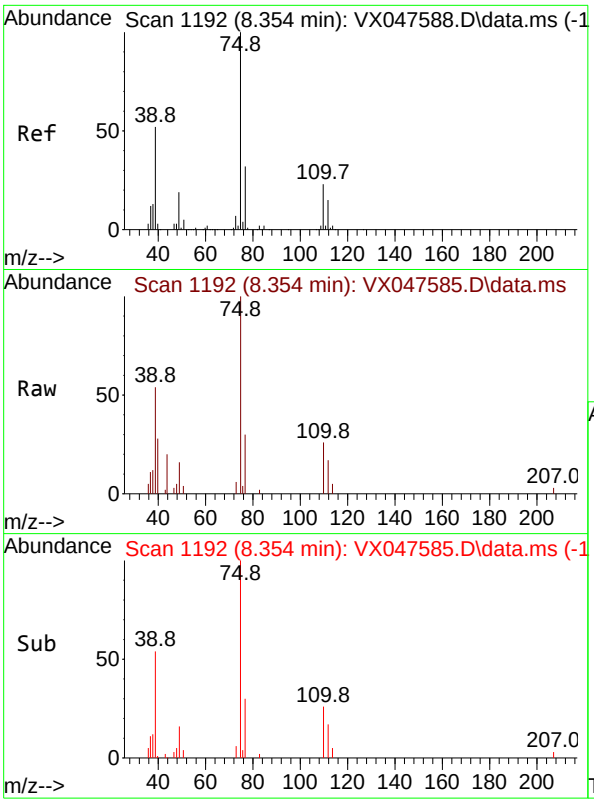


#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

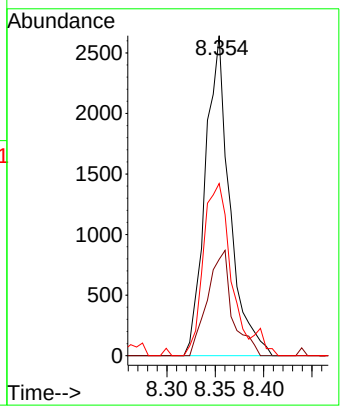




#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 463

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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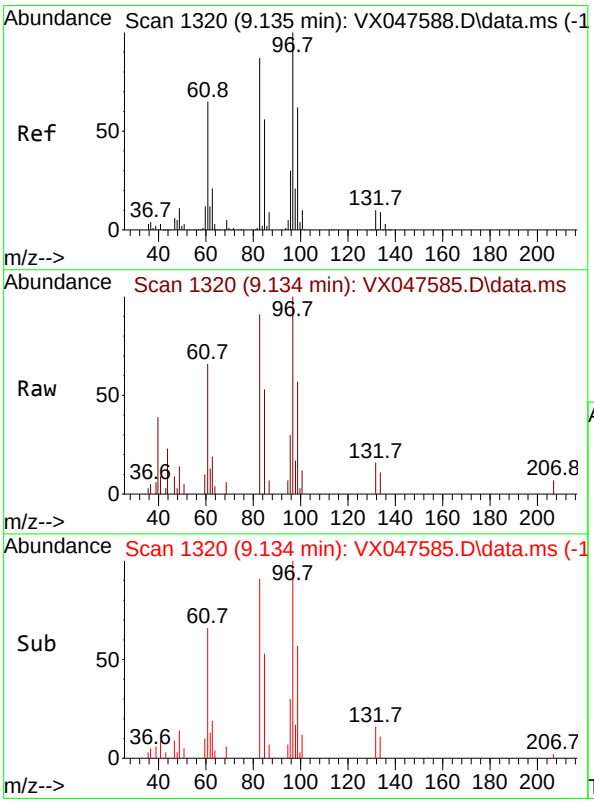
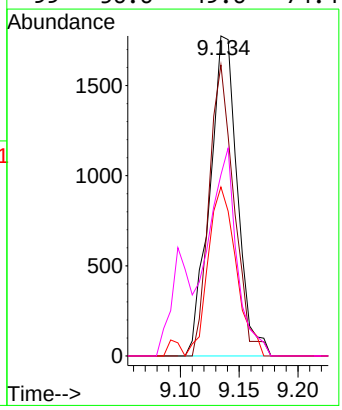
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

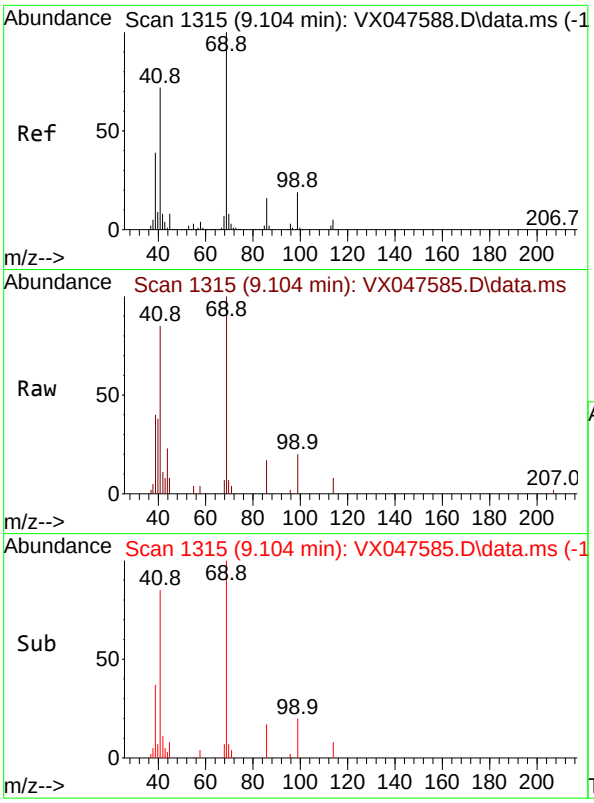


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

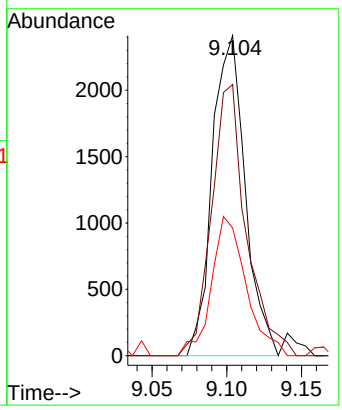




#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 367

Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8
39	46.0	31.5	47.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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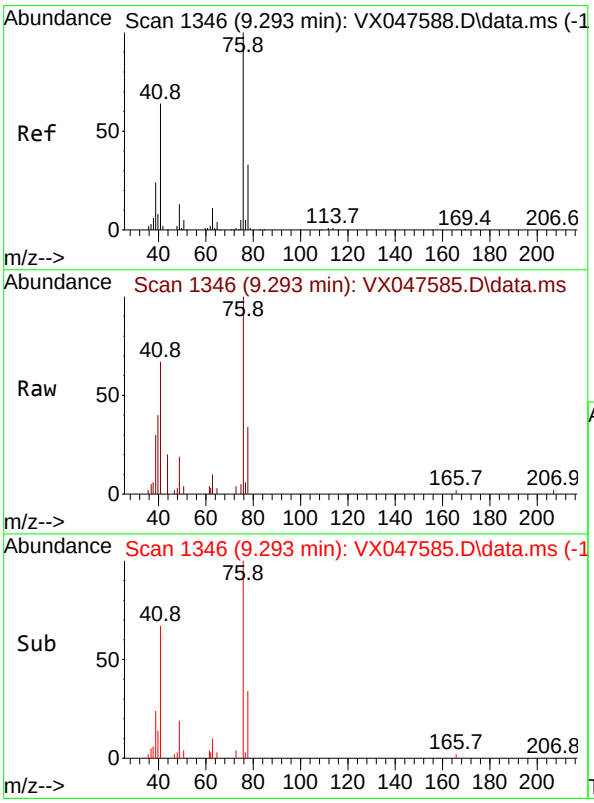
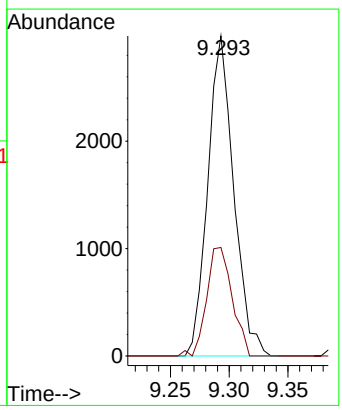
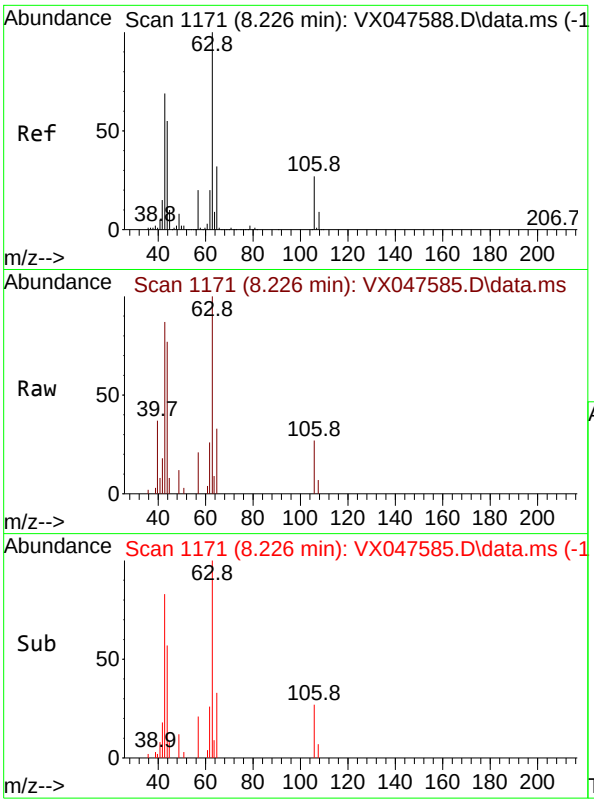


#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4





#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 422

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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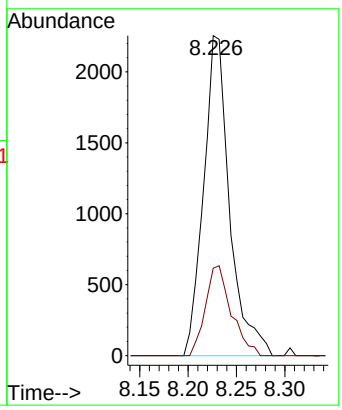
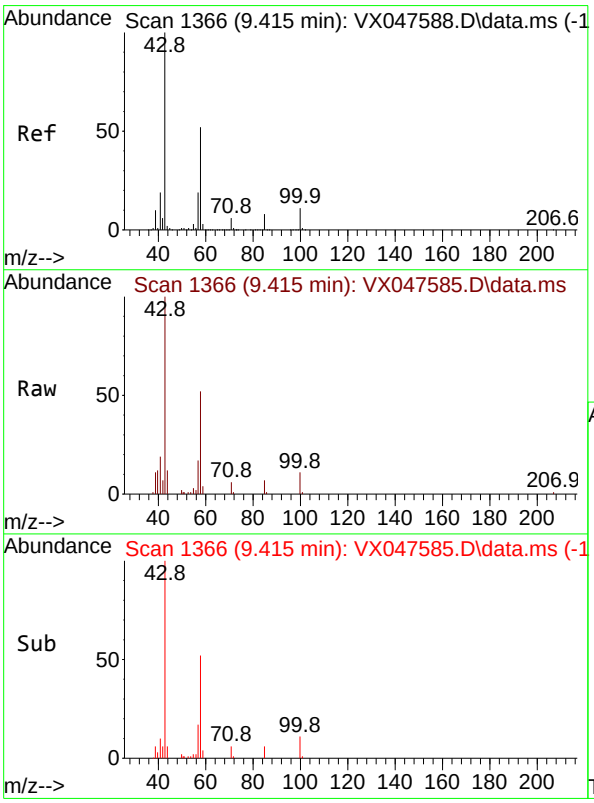
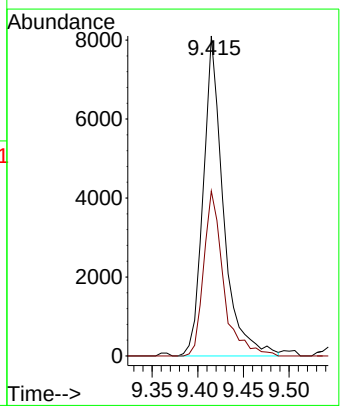


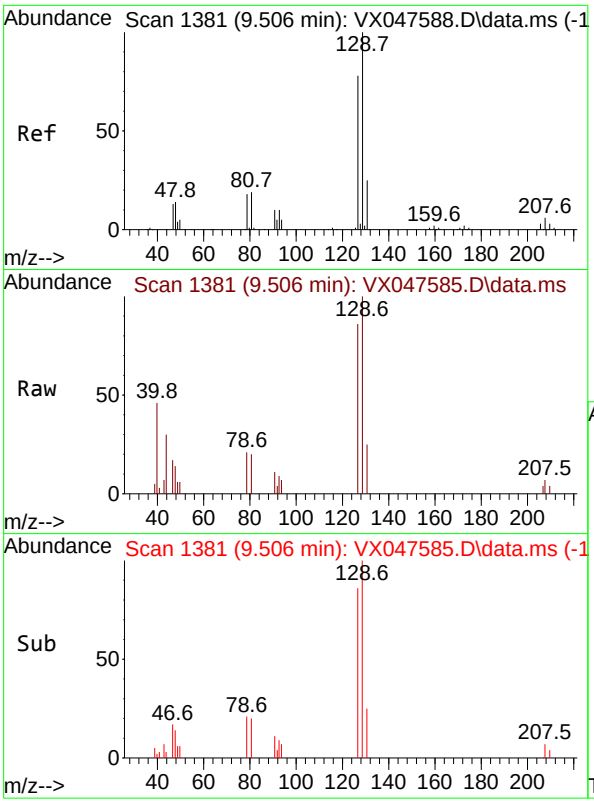


#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

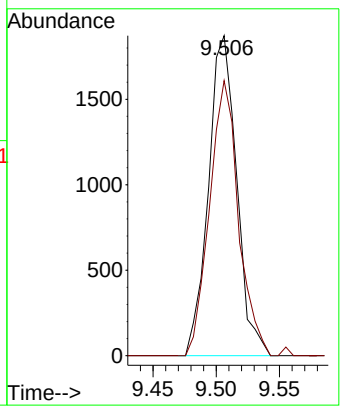




#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 290

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 09/17/2025
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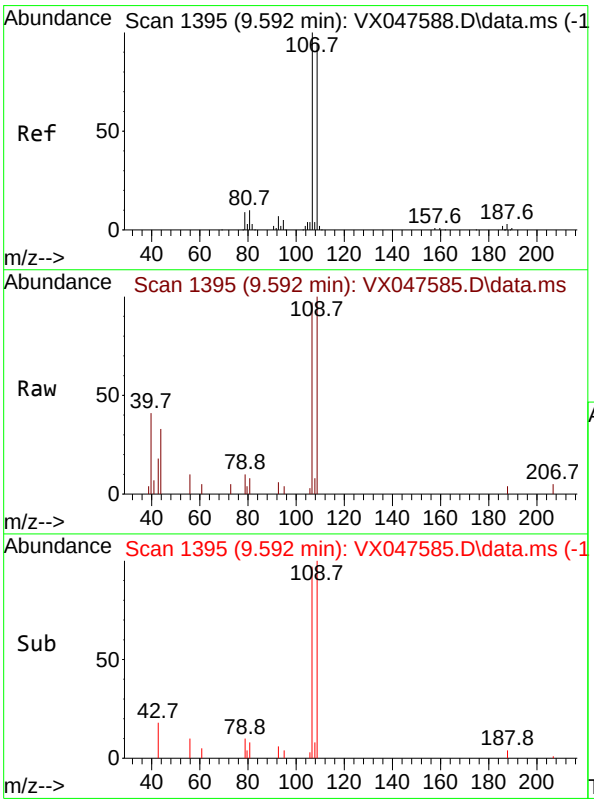
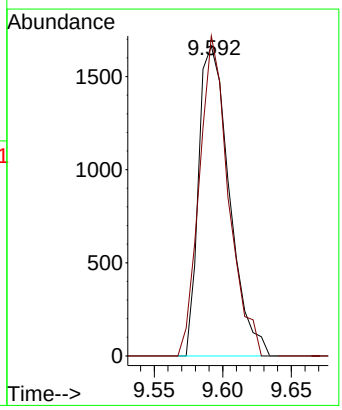
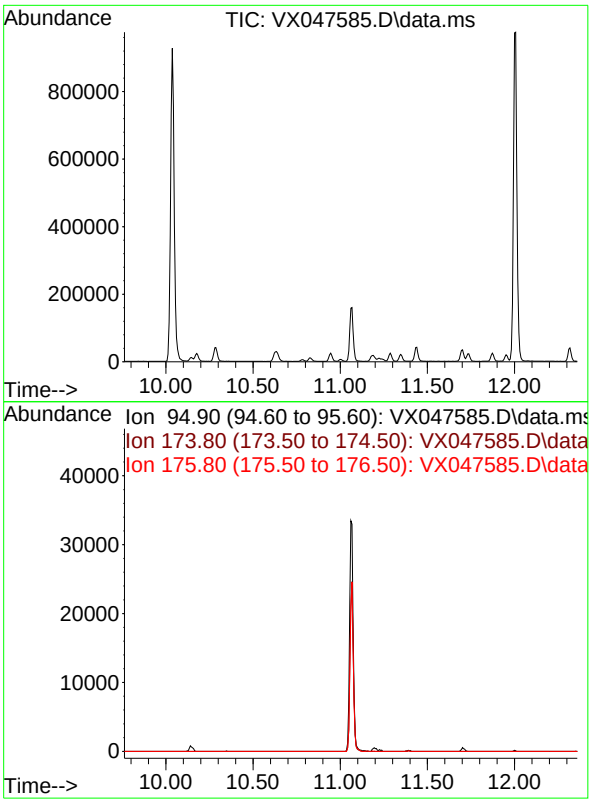


#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	70.8
176	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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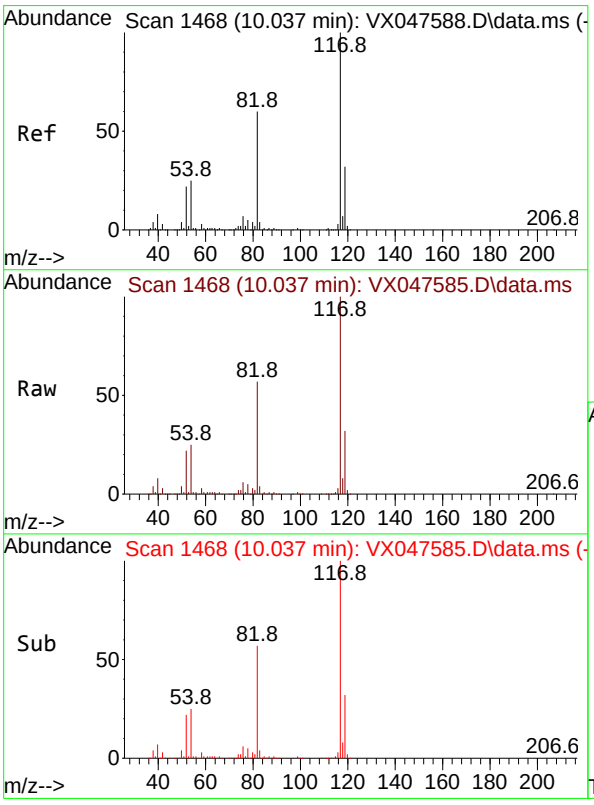
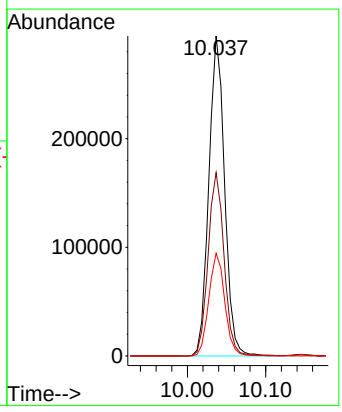
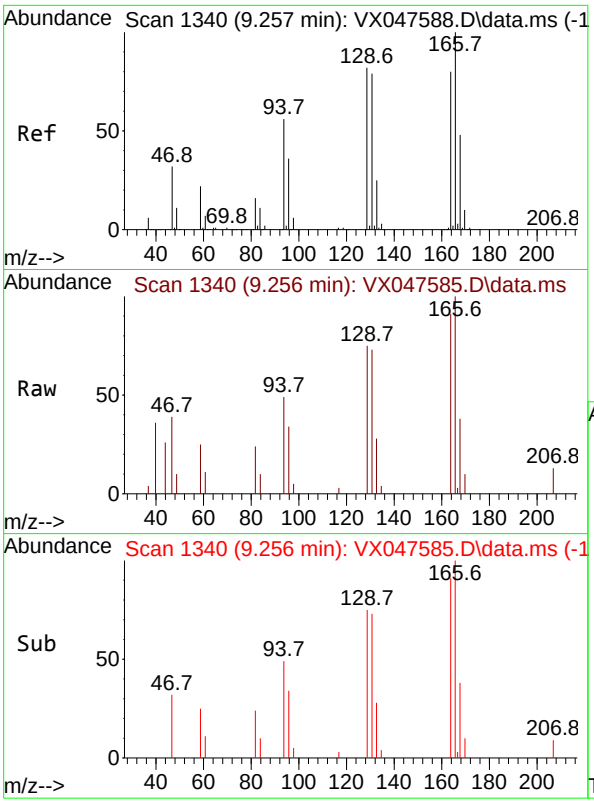


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

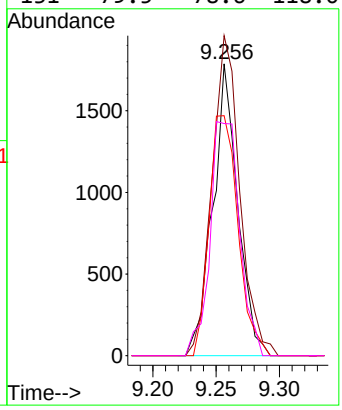




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 245

Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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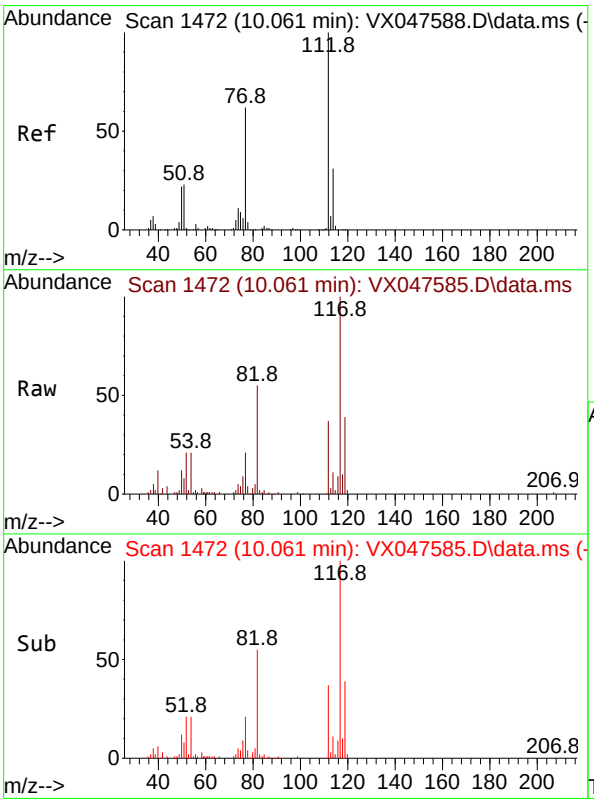
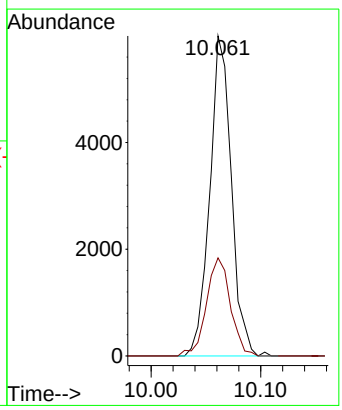
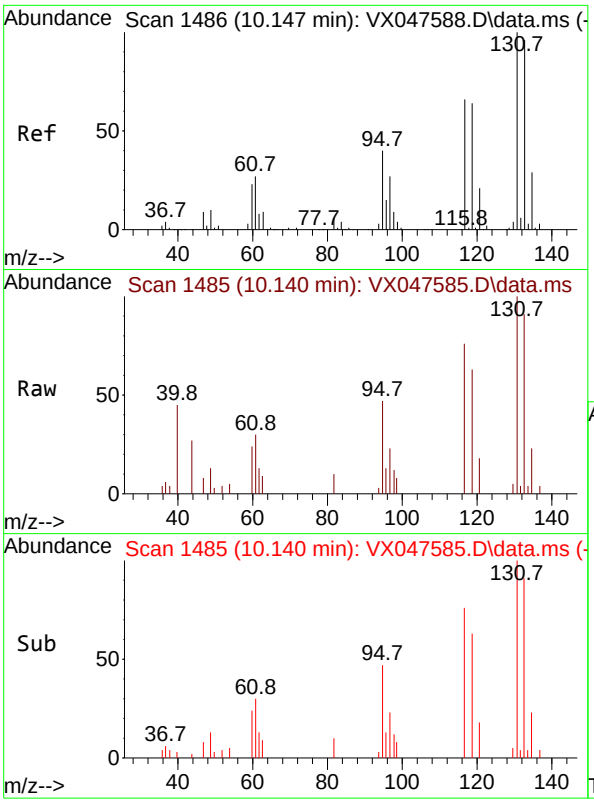


#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 268

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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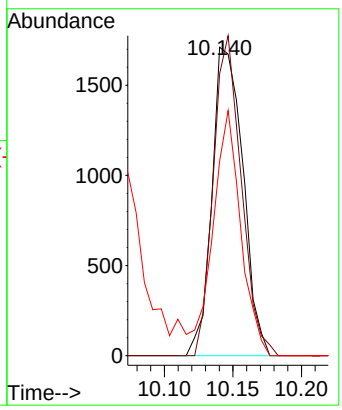
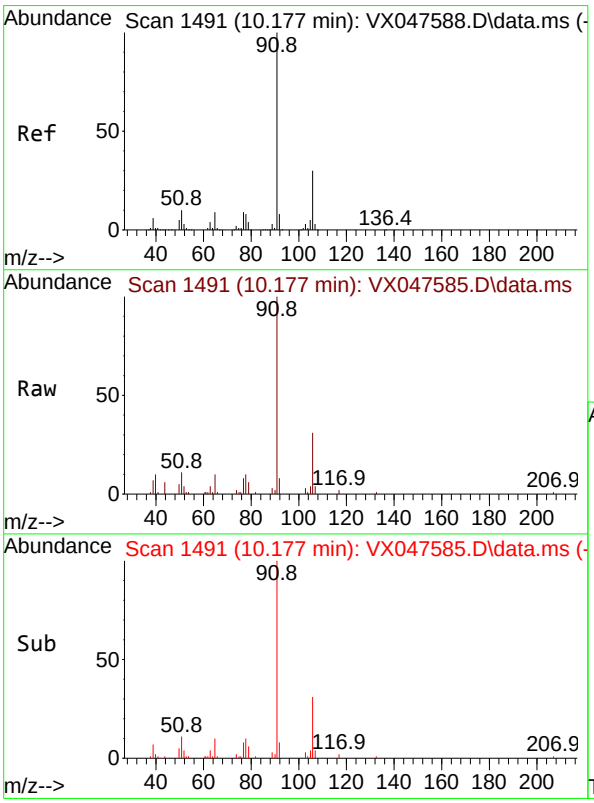
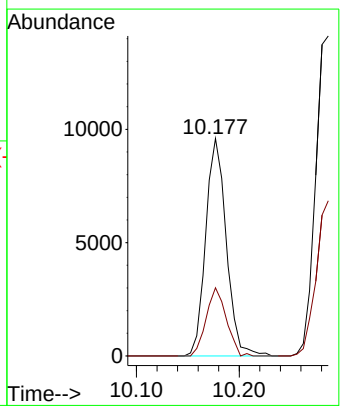


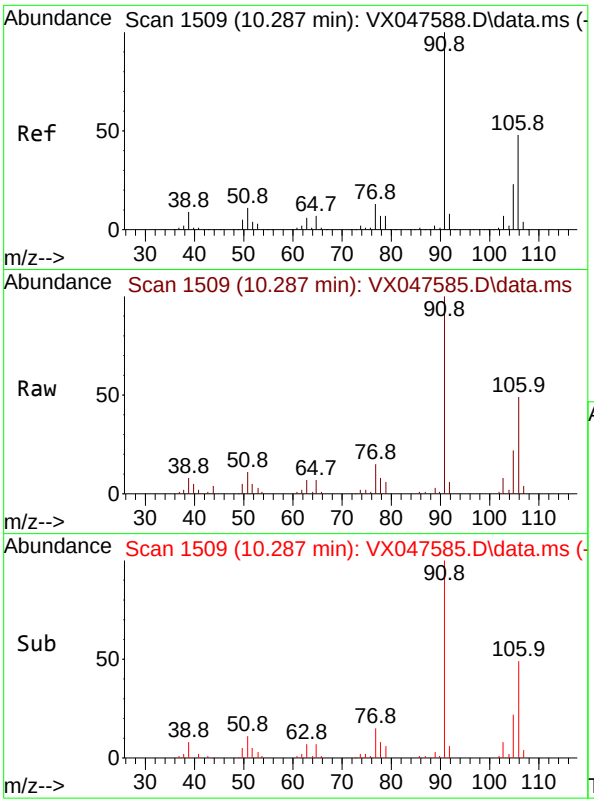


#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5





#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 992

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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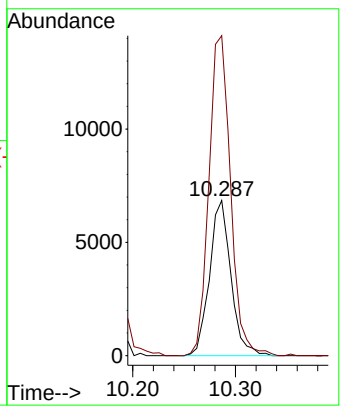
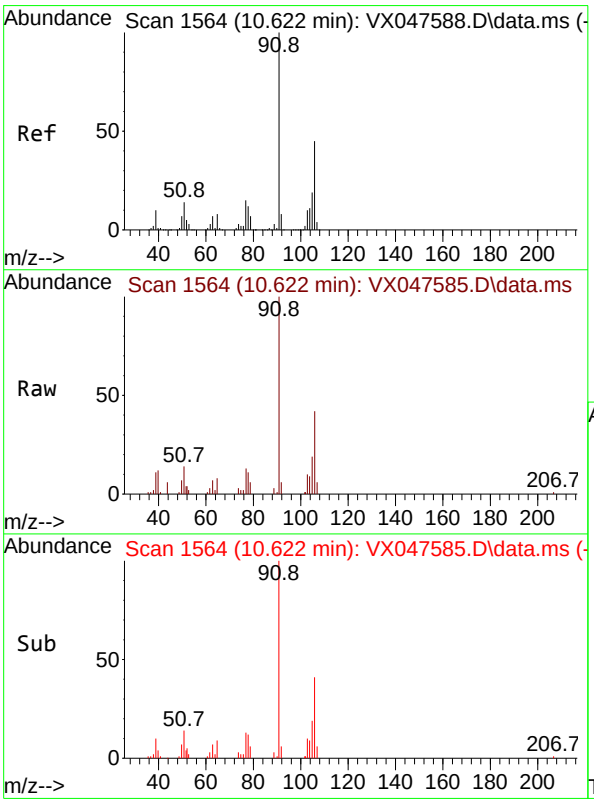
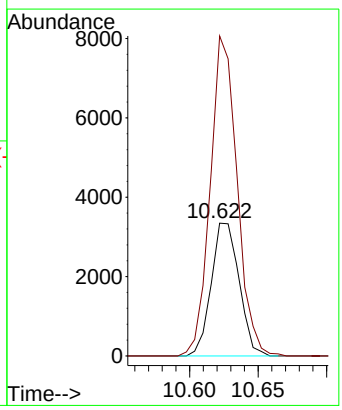


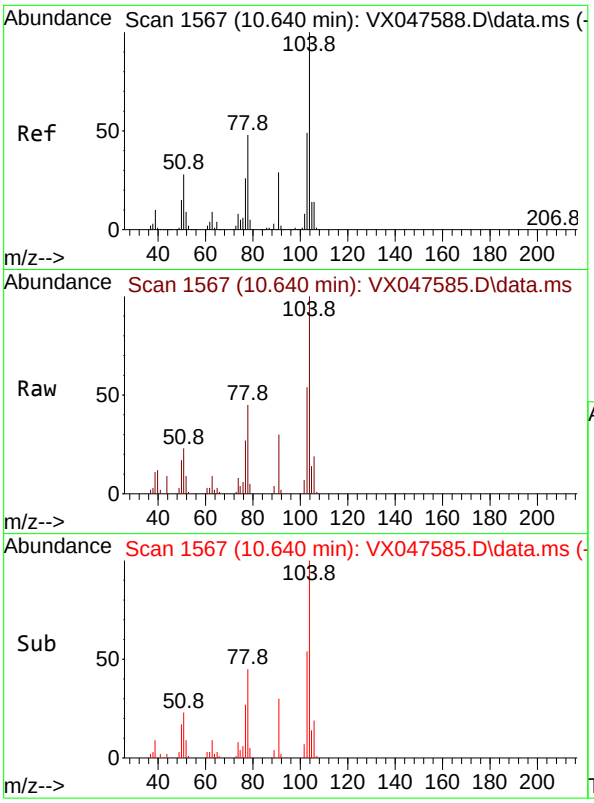


#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

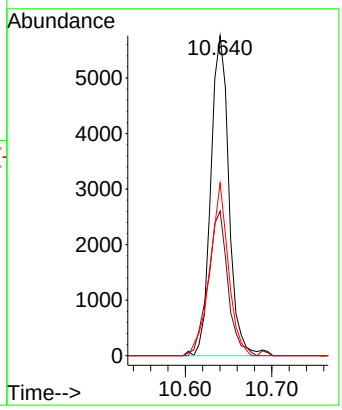




#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 837

Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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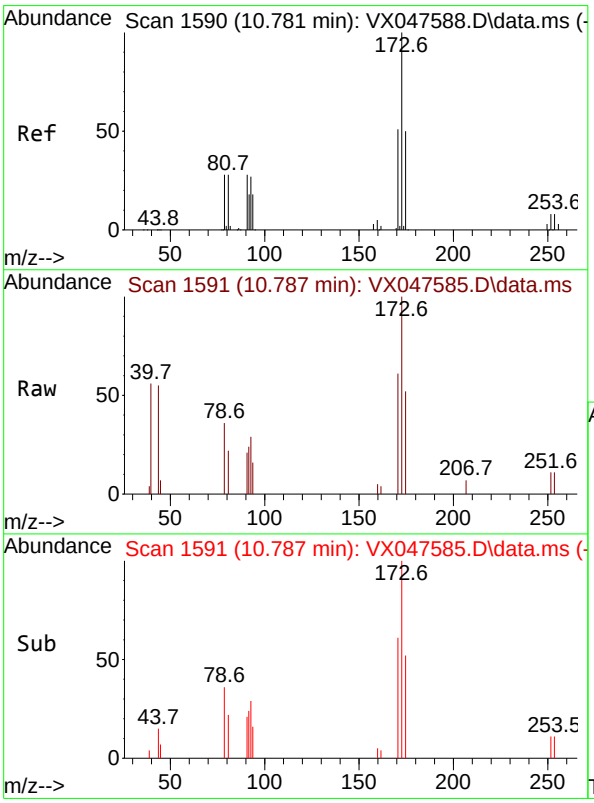
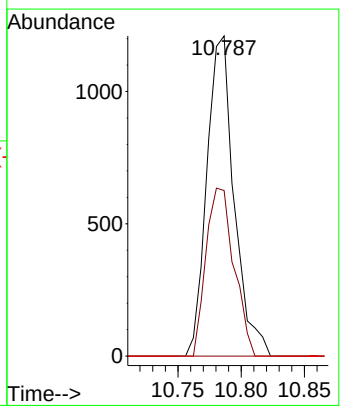
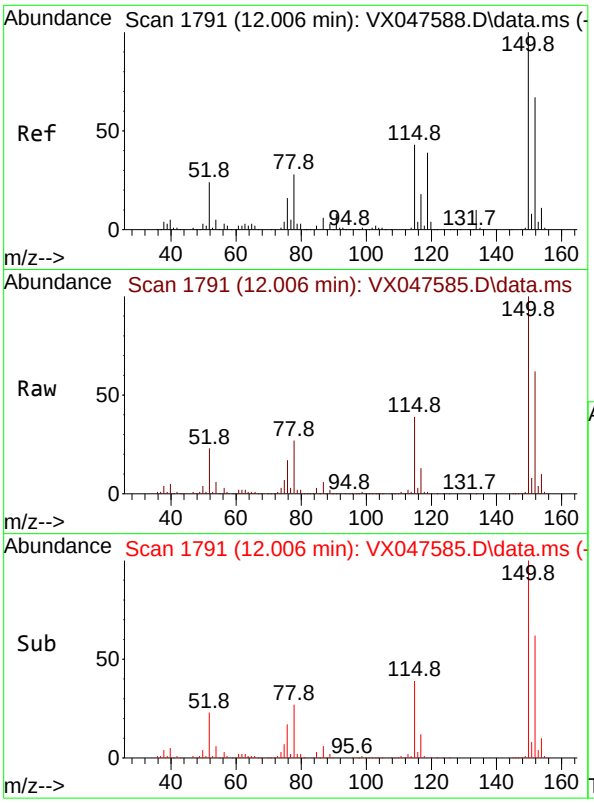


#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

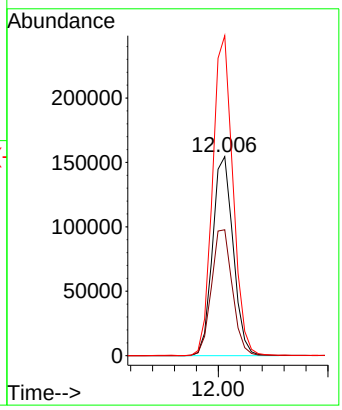




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 20197

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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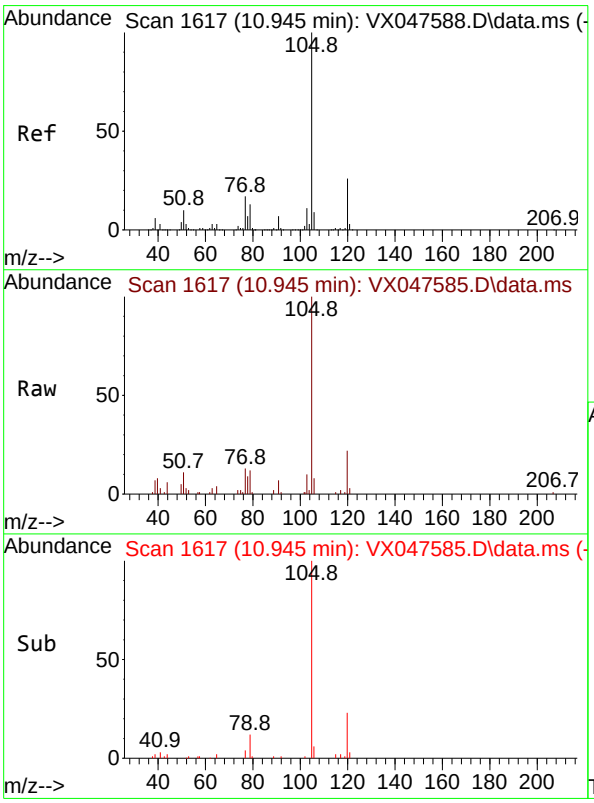
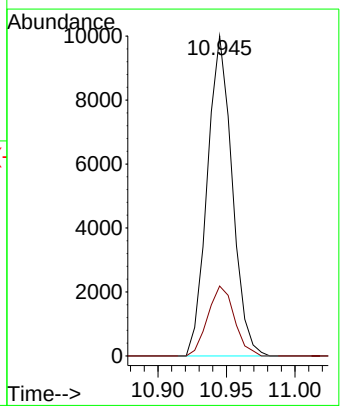
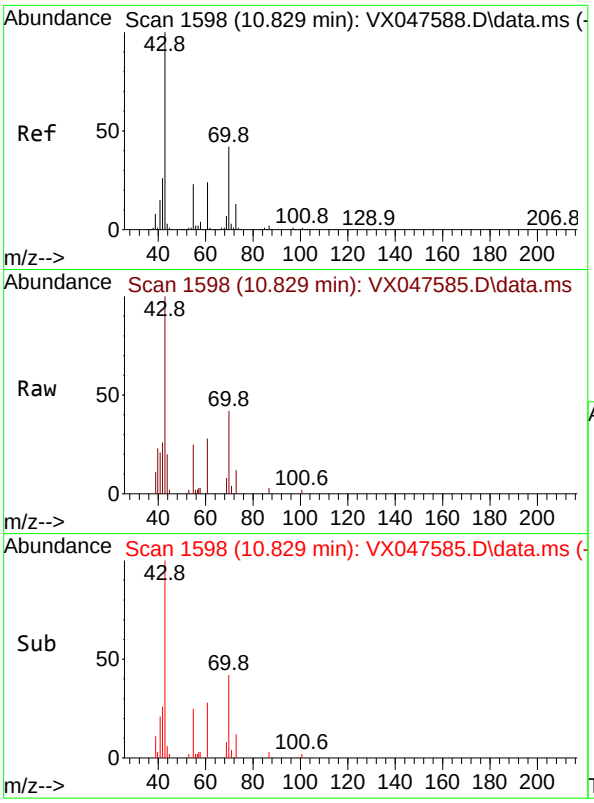


#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

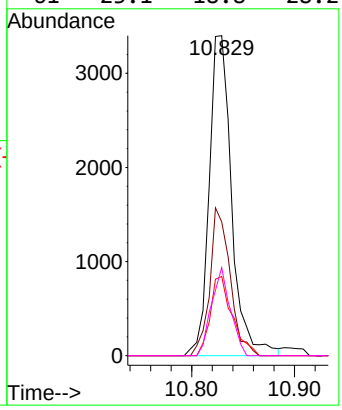




#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 515

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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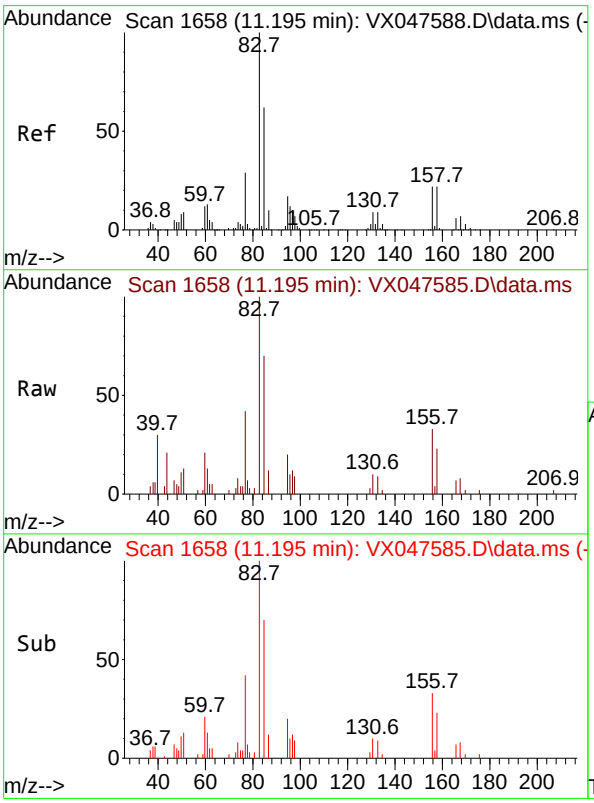
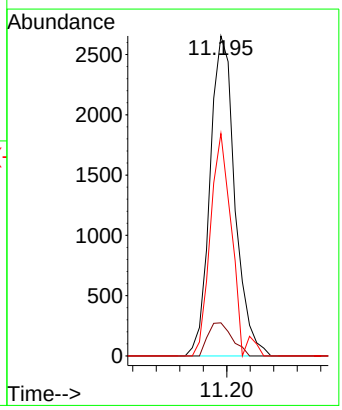
Supervised By :Mahesh Dadoda 09/18/2025

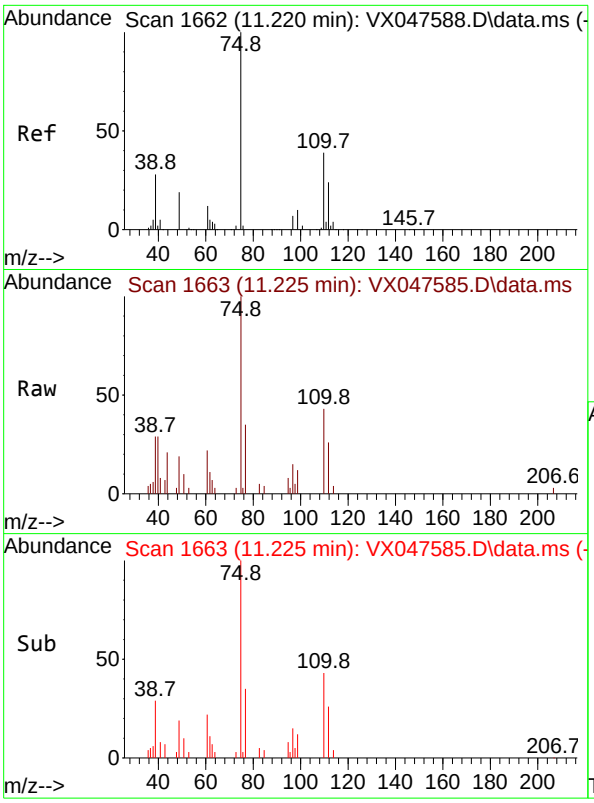


#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 0.816 ug/l m
RT: 11.225 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 342

Ion	Ratio	Lower	Upper
75	100		
77	34.6	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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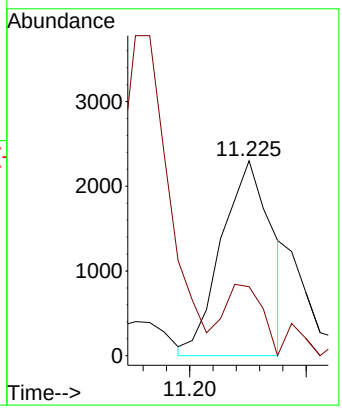
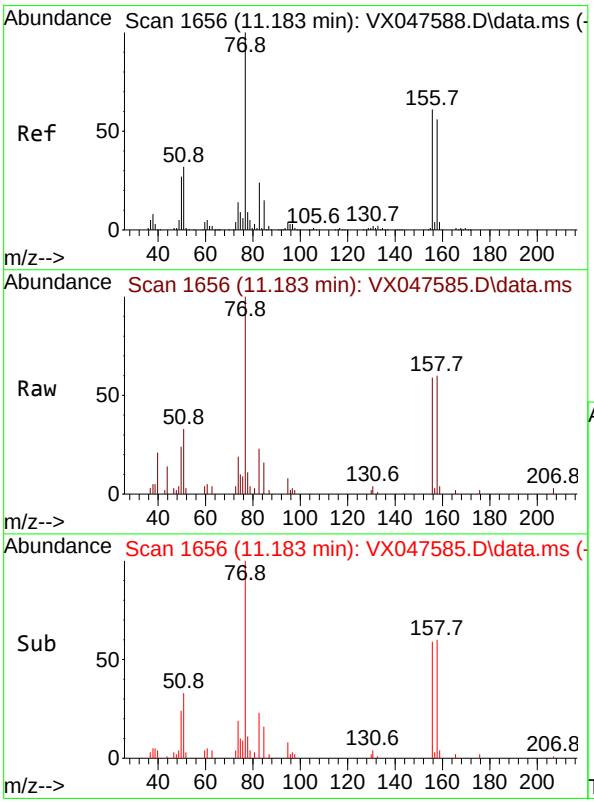
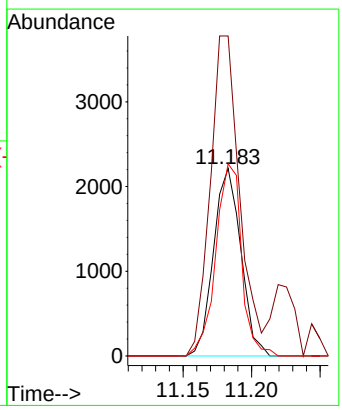


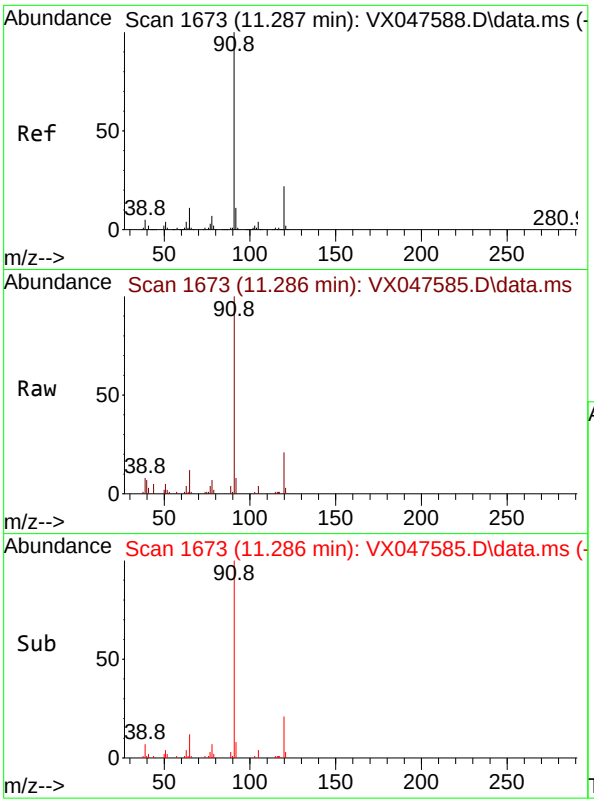


#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6





#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 1486

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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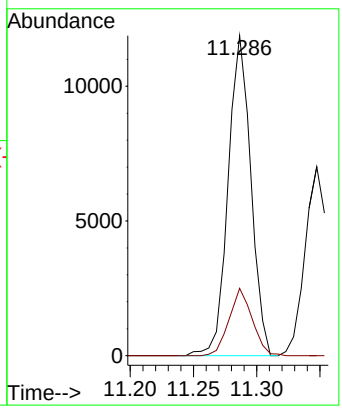
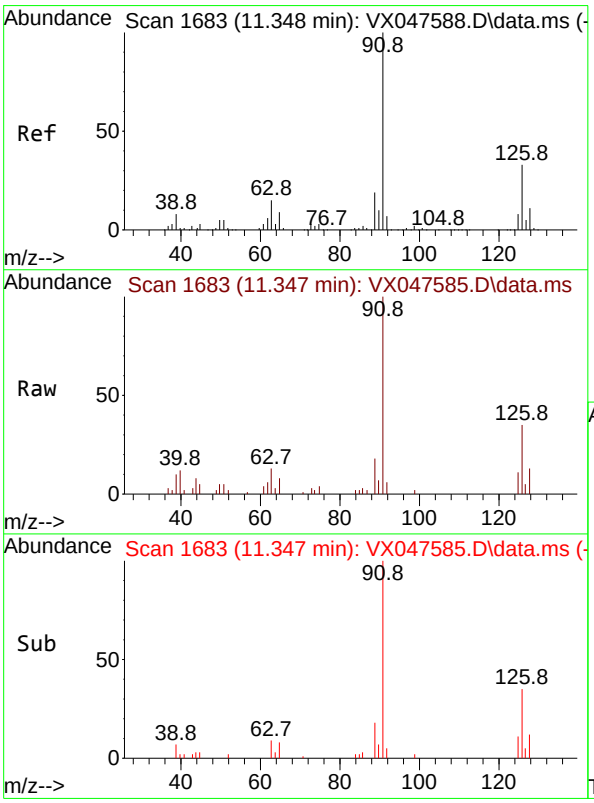
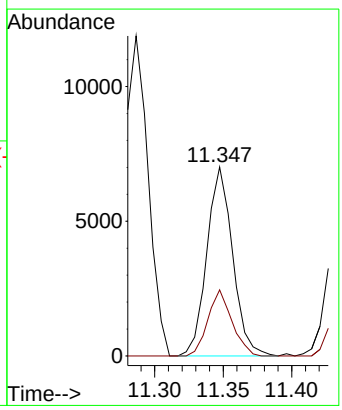


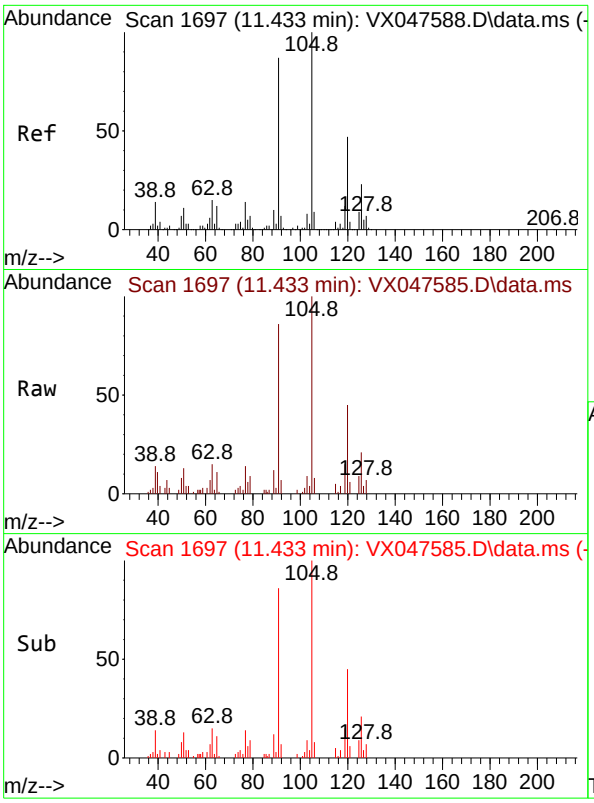


#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

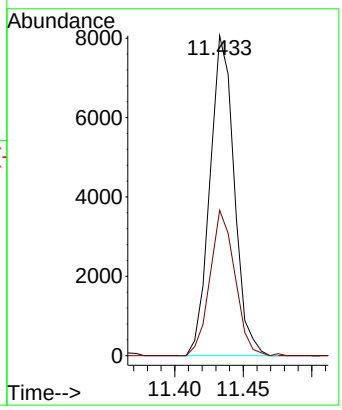




#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 992

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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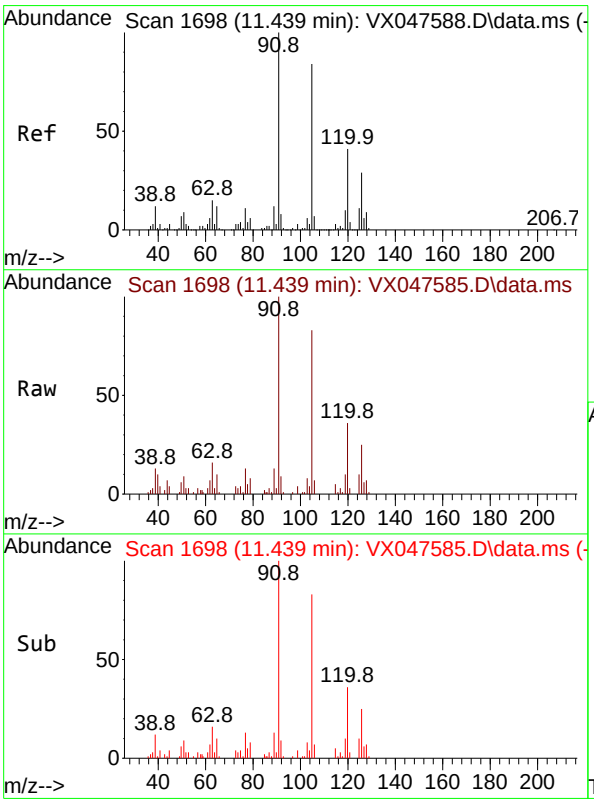
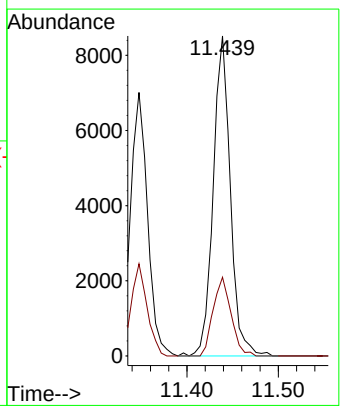
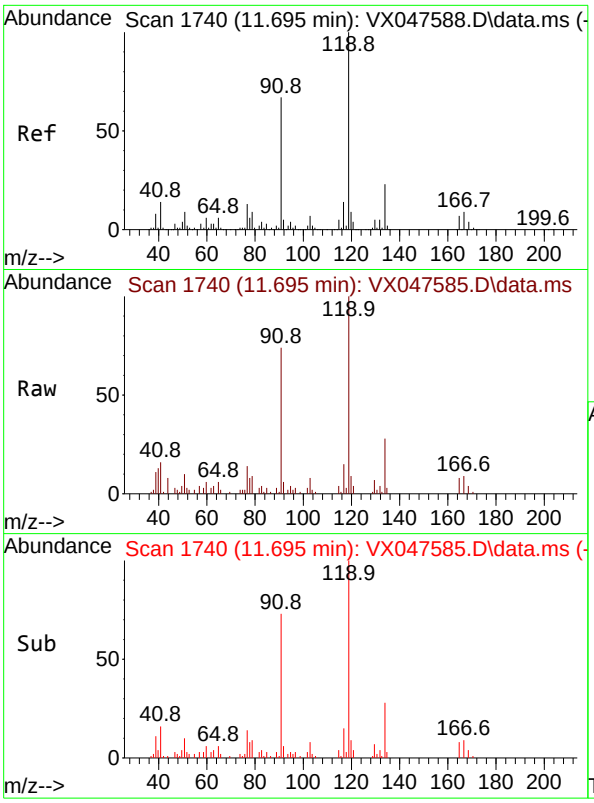


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6

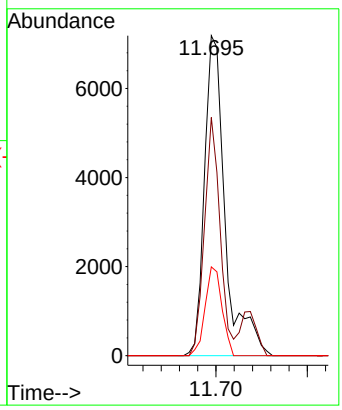




#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 1131

Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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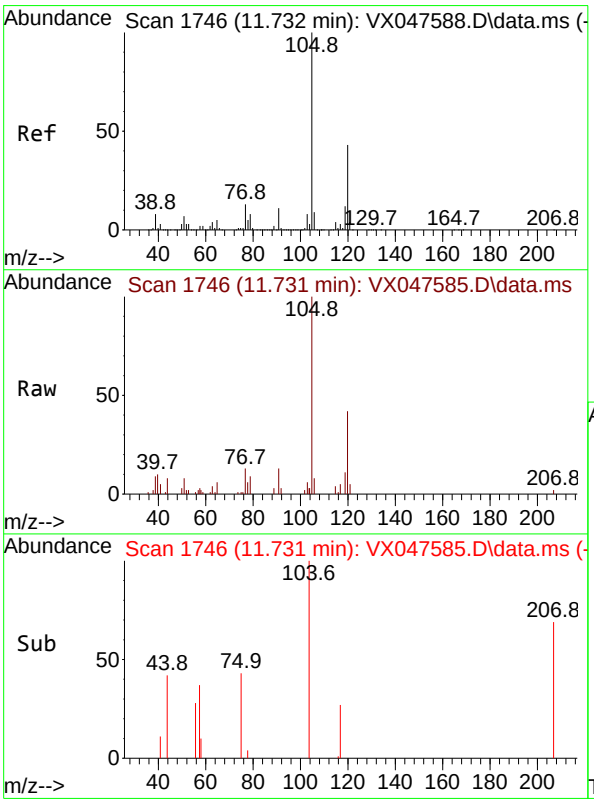
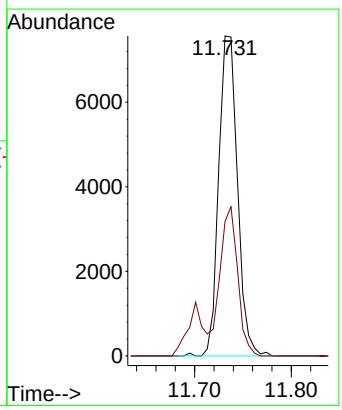
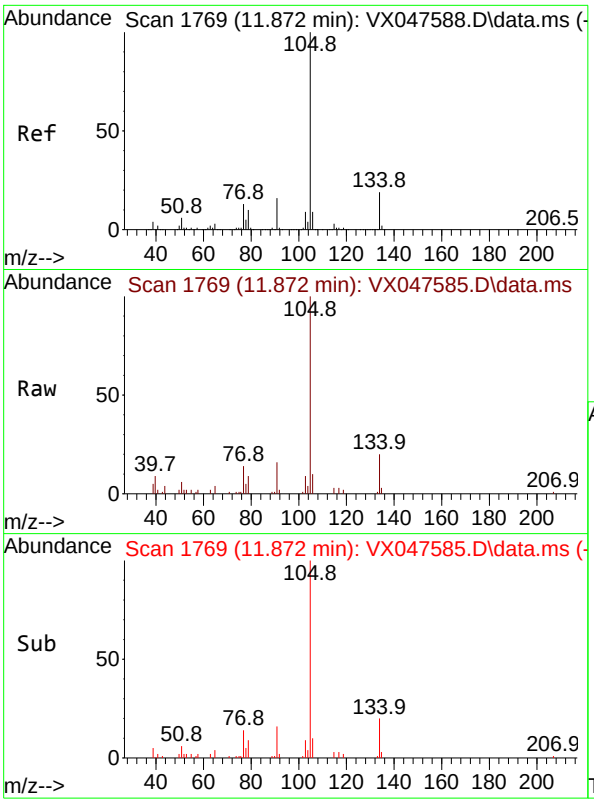


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1





#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 1256

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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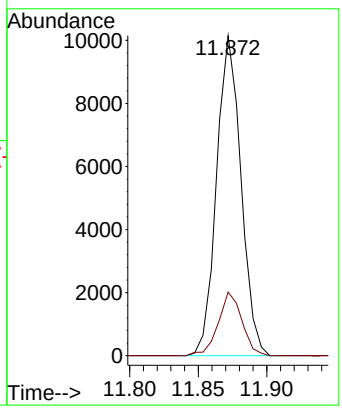
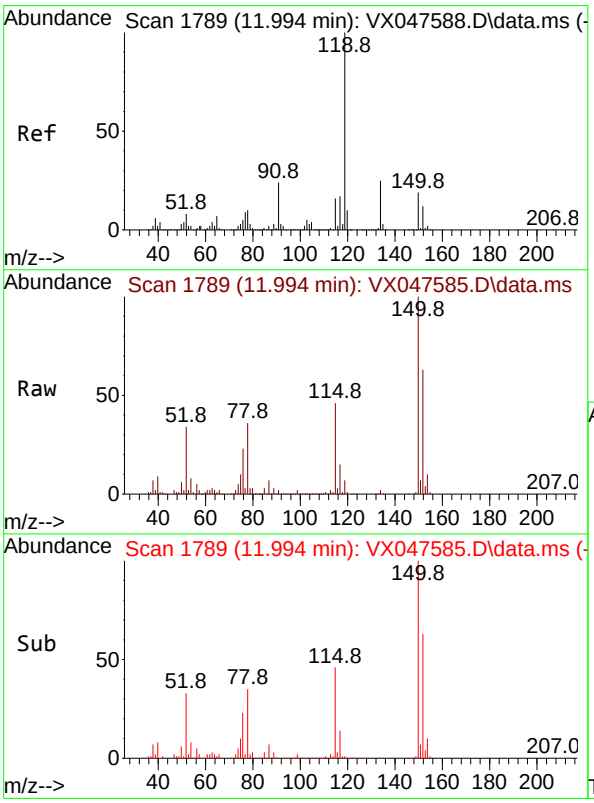
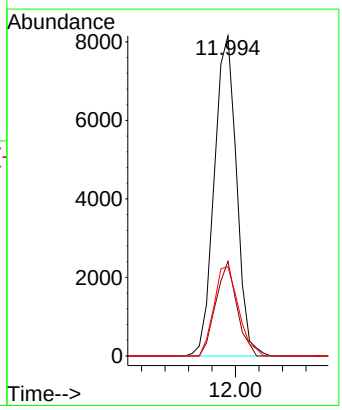


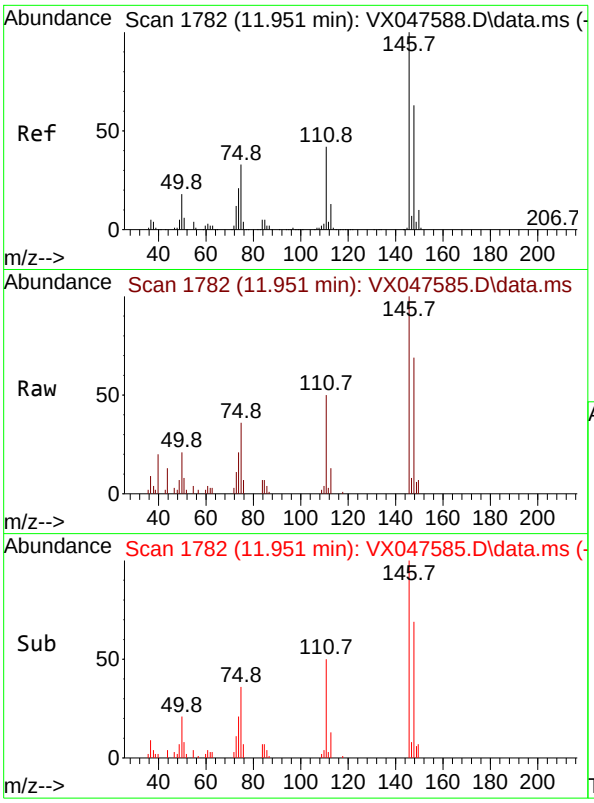


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6

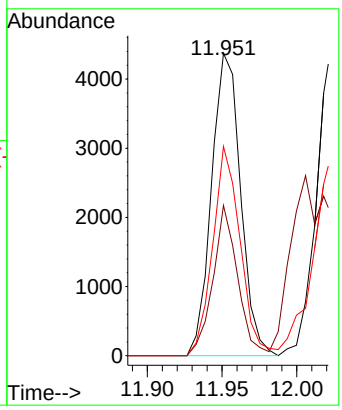




#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 590

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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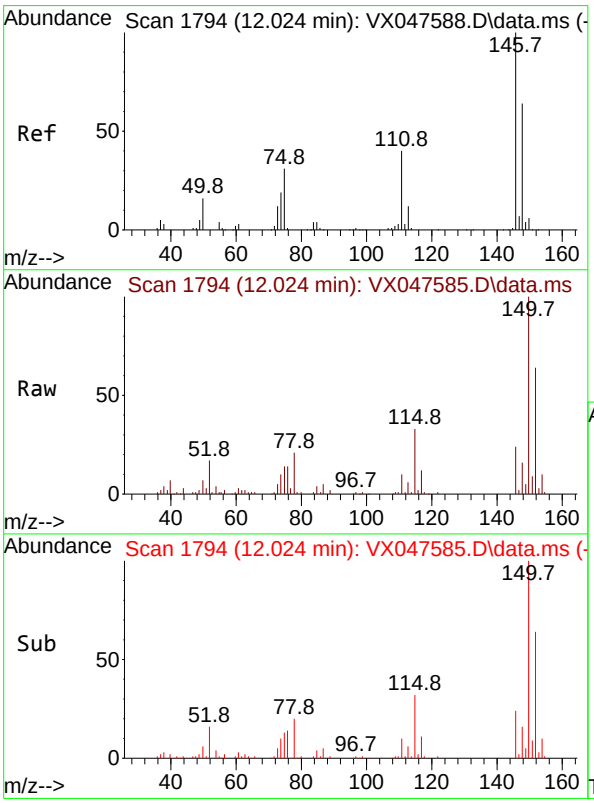
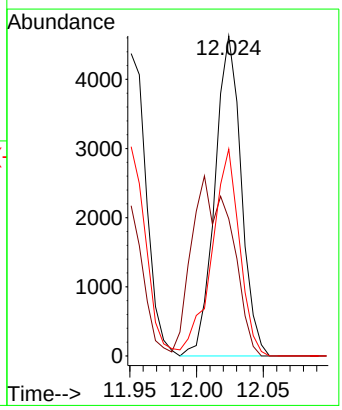
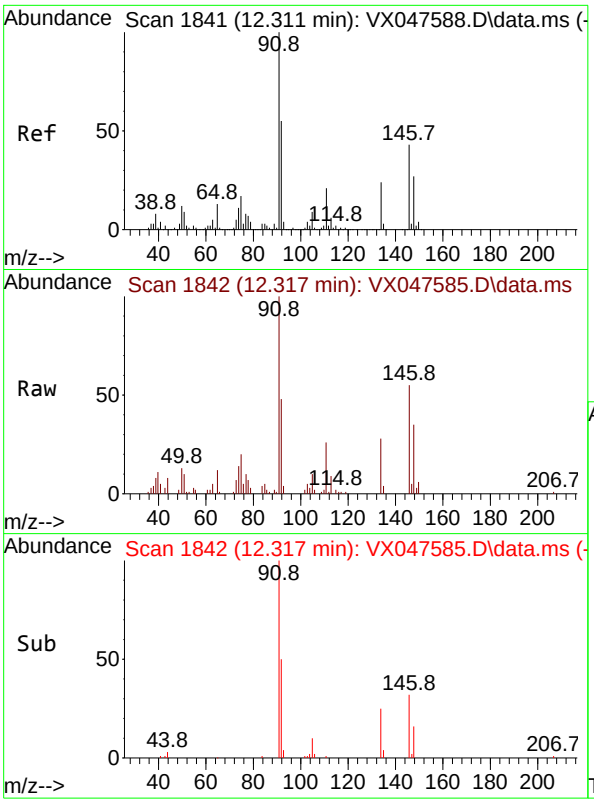


#88
1,4-Dichlorobenzene
Concen: 0.880 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 6341

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.4
148	61.1	31.7	95.1

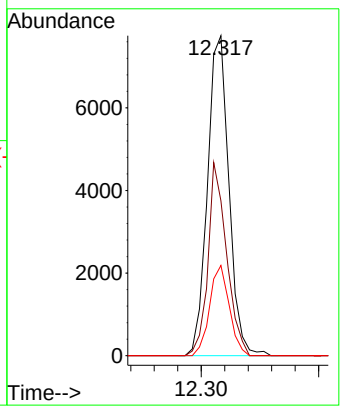




#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 981

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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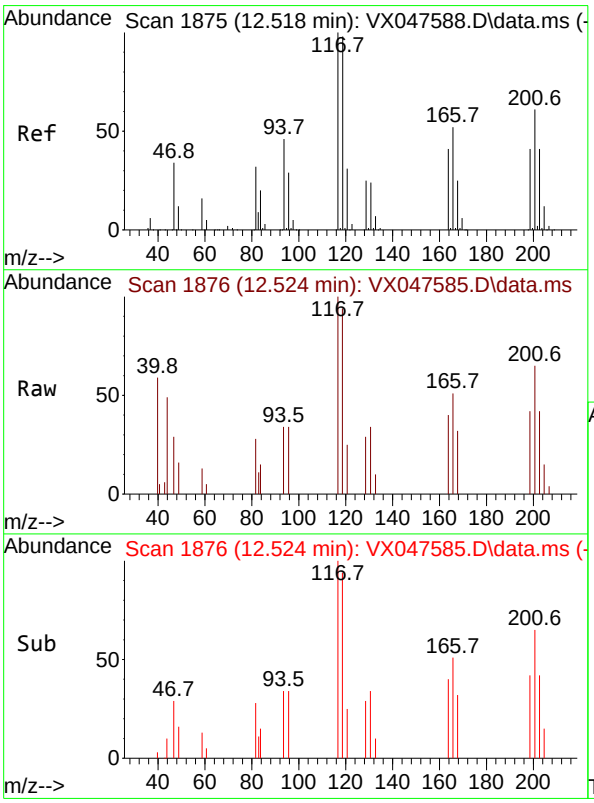
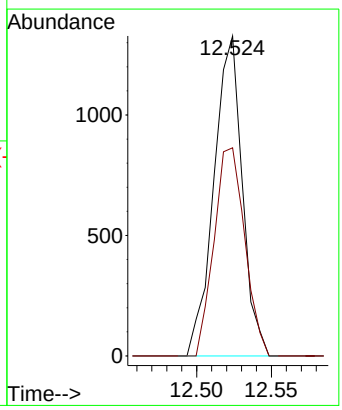
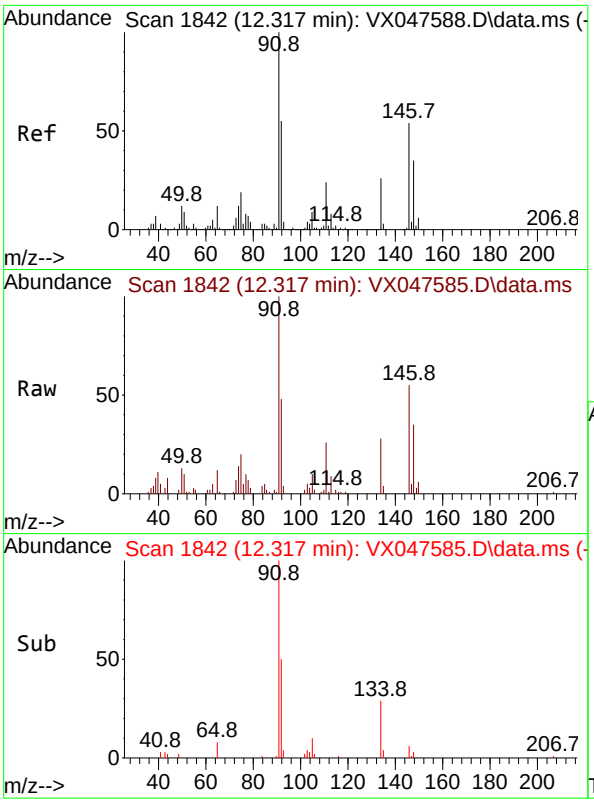


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5

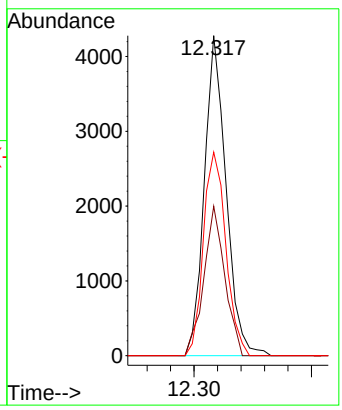




#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 549

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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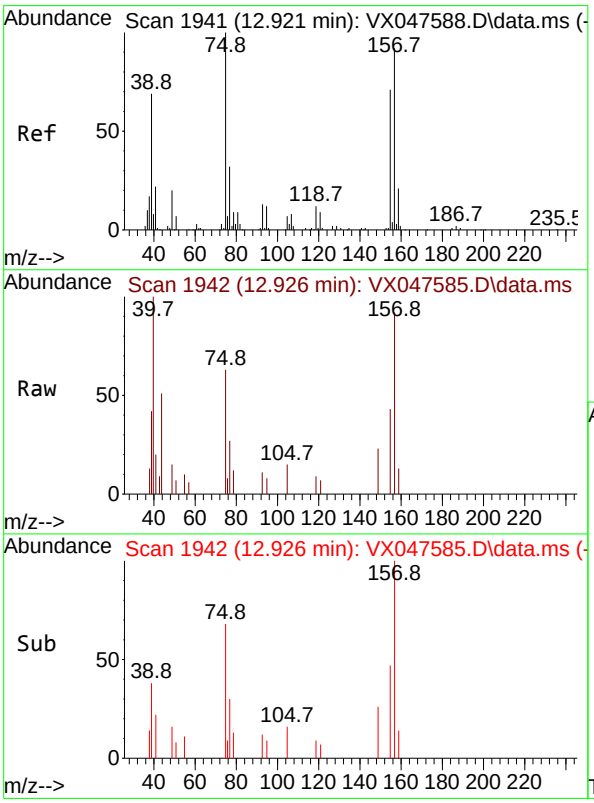
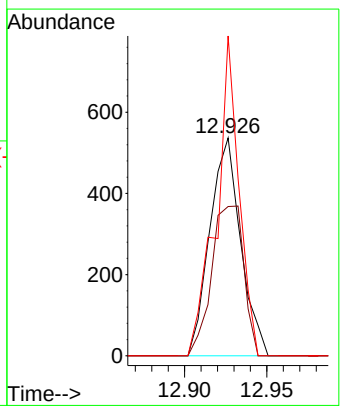
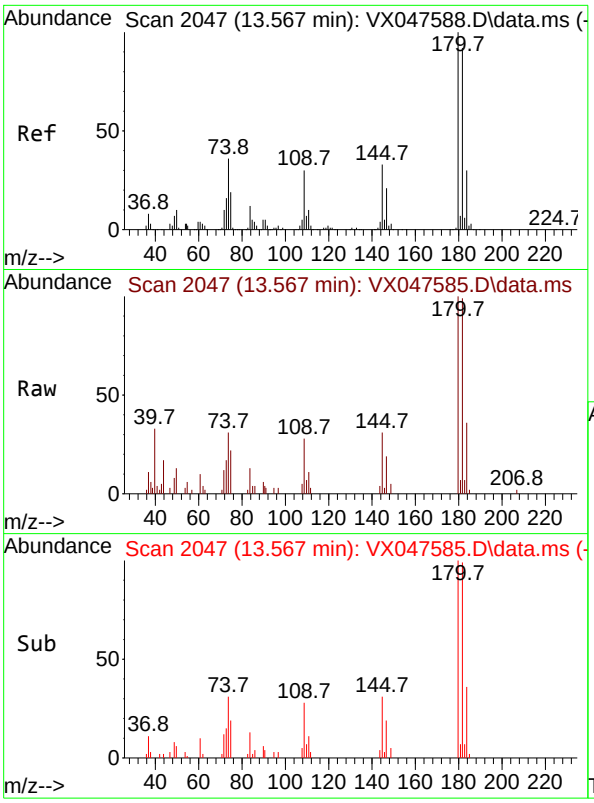


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4

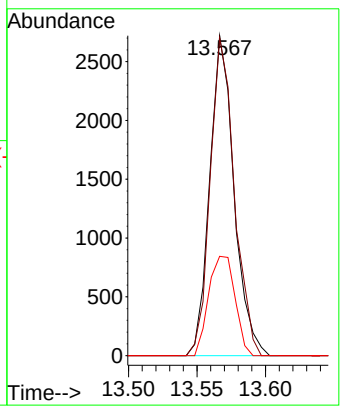




#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 335

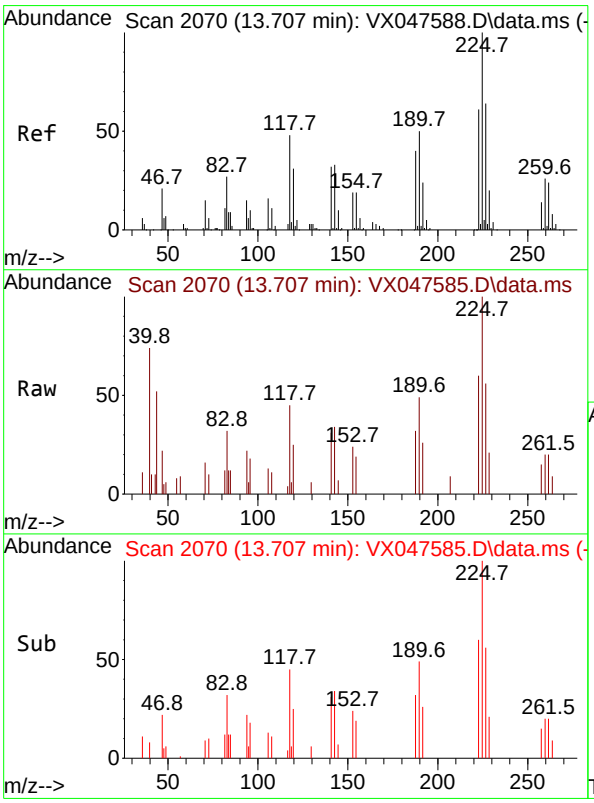
Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

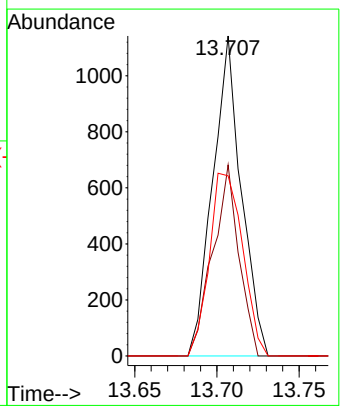
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

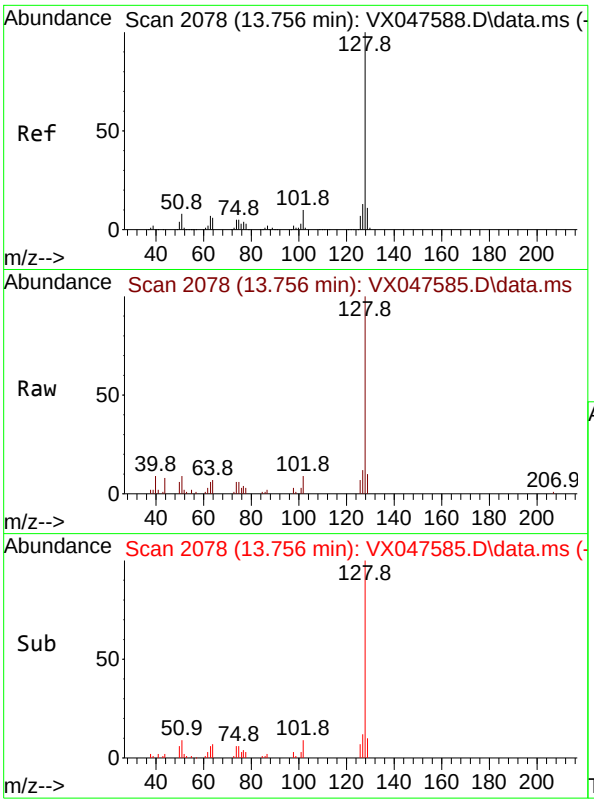


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0

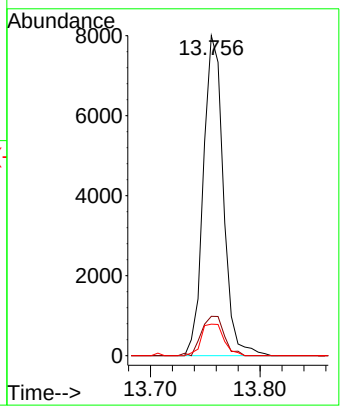




#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:128 Resp: 1011

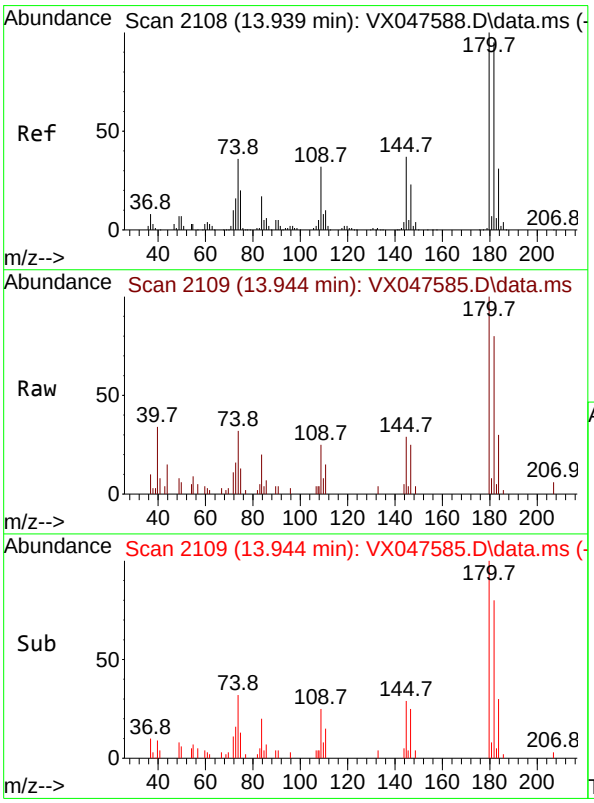
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

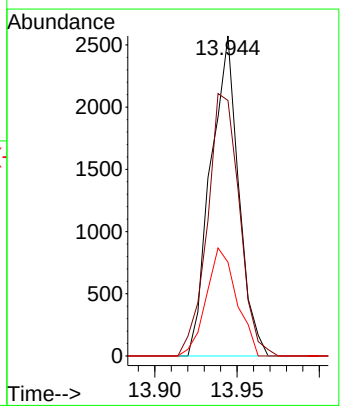
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883 ug/l	95
42) 1,2-Dichloroethane	6.074	62	21117	5.252 ug/l	99
43) Isopropyl Acetate	6.324	43	31304	5.124 ug/l	99
44) Trichloroethene	7.111	130	13576	5.314 ug/l	97
45) 1,2-Dichloropropane	7.415	63	14305	5.287 ug/l	99
46) Dibromomethane	7.568	93	10133	5.146 ug/l	99
47) Bromodichloromethane	7.806	83	21270	5.235 ug/l	99
48) Methyl methacrylate	7.677	41	14959	4.915 ug/l	99
49) 1,4-Dioxane	7.653	88	3017	98.096 ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828 ug/l	100
52) Toluene	8.702	92	34314	5.271 ug/l	98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034 ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227 ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166 ug/l	91
56) Ethyl methacrylate	9.104	69	19980	5.068 ug/l	97
57) 1,3-Dichloropropane	9.293	76	22989	5.331 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899 ug/l	98
59) 2-Hexanone	9.415	43	66356	27.275 ug/l	99
60) Dibromochloromethane	9.506	129	14705	5.084 ug/l	95
61) 1,2-Dibromoethane	9.592	107	13461	5.264 ug/l	98
64) Tetrachloroethene	9.256	164	11228	5.428 ug/l	97
65) Chlorobenzene	10.061	112	37507	5.203 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149 ug/l	99
67) Ethyl Benzene	10.177	91	65908	5.299 ug/l	100
68) m/p-Xylenes	10.287	106	49132	10.613 ug/l	99
69) o-Xylene	10.628	106	23300	5.204 ug/l	98
70) Styrene	10.640	104	40872	5.210 ug/l	99
71) Bromoform	10.781	173	9298	5.006 ug/l #	97
73) Isopropylbenzene	10.945	105	61029	5.139 ug/l	100
74) N-amyl acetate	10.823	43	26969	4.980 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138 ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	15982m	4.927 ug/l	
77) Bromobenzene	11.183	156	15066	5.150 ug/l	99
78) n-propylbenzene	11.287	91	72900	5.192 ug/l	100
79) 2-Chlorotoluene	11.348	91	44663	5.194 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364 ug/l	91
82) 4-Chlorotoluene	11.439	91	52294	5.149 ug/l	100
83) tert-Butylbenzene	11.695	119	50350	5.041 ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214 ug/l	100
85) sec-Butylbenzene	11.872	105	62507	5.268 ug/l	99
86) p-Isopropyltoluene	11.994	119	52674	5.244 ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294 ug/l	93
89) n-Butylbenzene	12.317	91	47953	5.159 ug/l	99
90) Hexachloroethane	12.518	117	8830	5.007 ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690 ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103 ug/l	98
94) Hexachlorobutadiene	13.707	225	5894	5.158 ug/l	99
95) Naphthalene	13.756	128	49257	4.808 ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

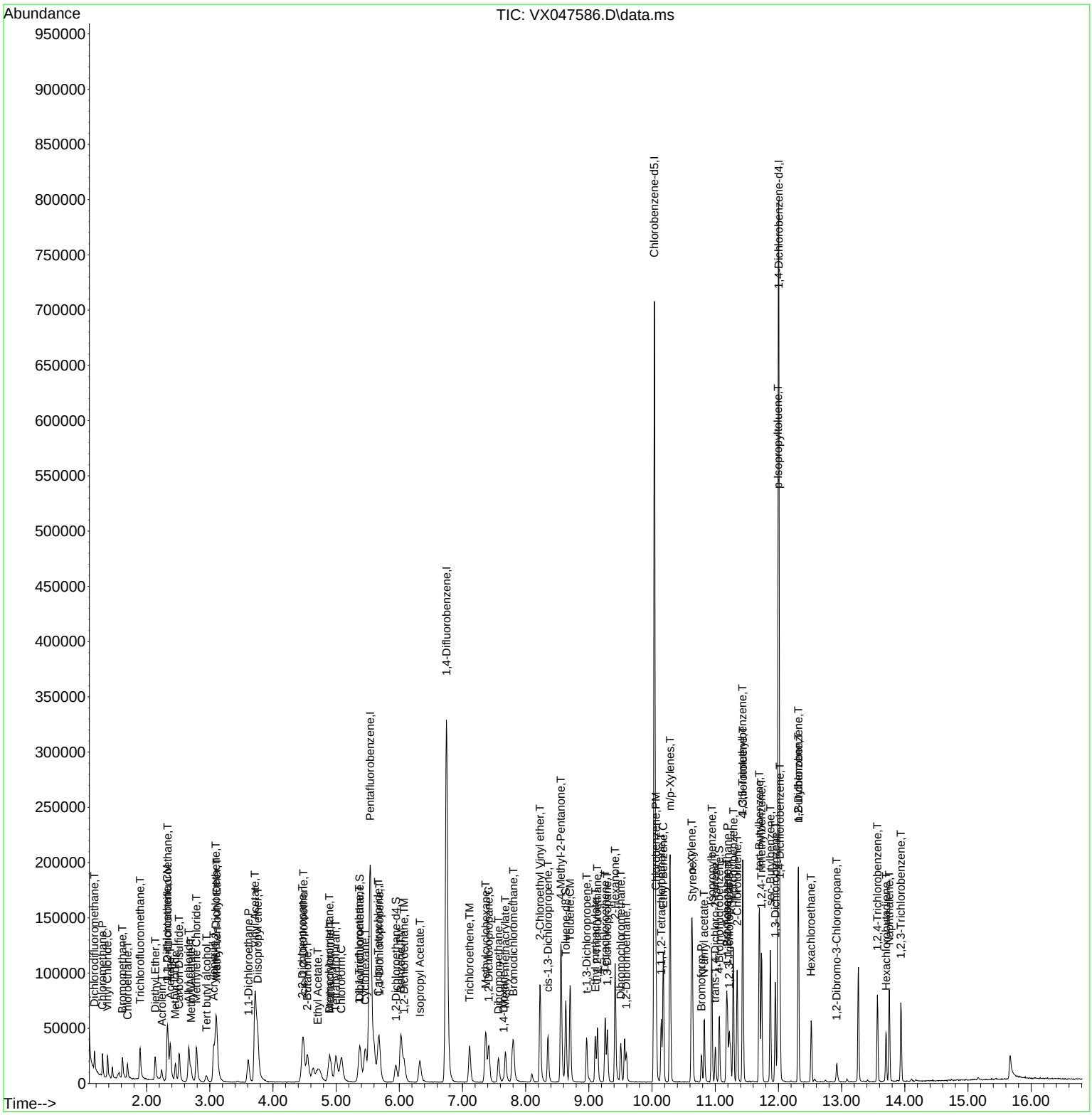
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

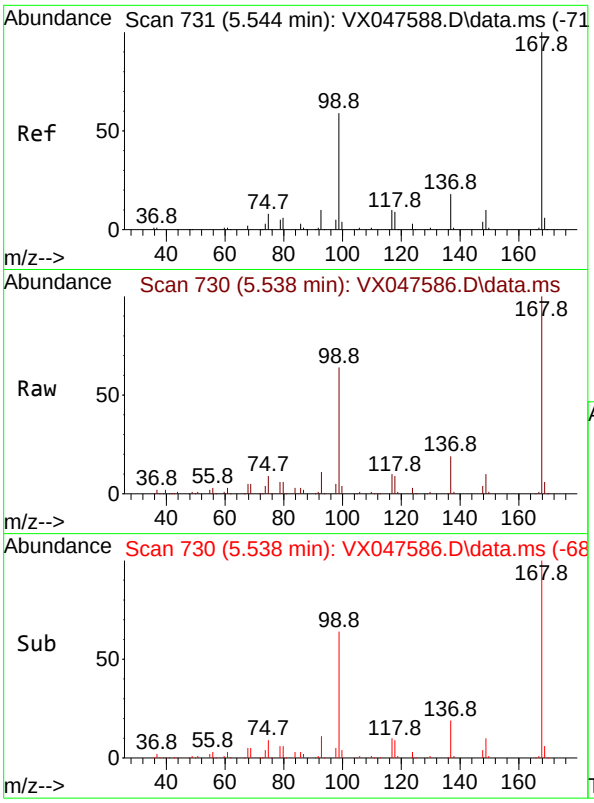
Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

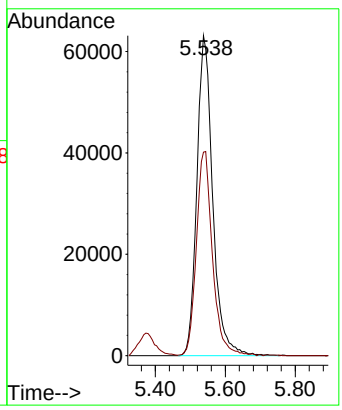




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:168 Resp: 19837

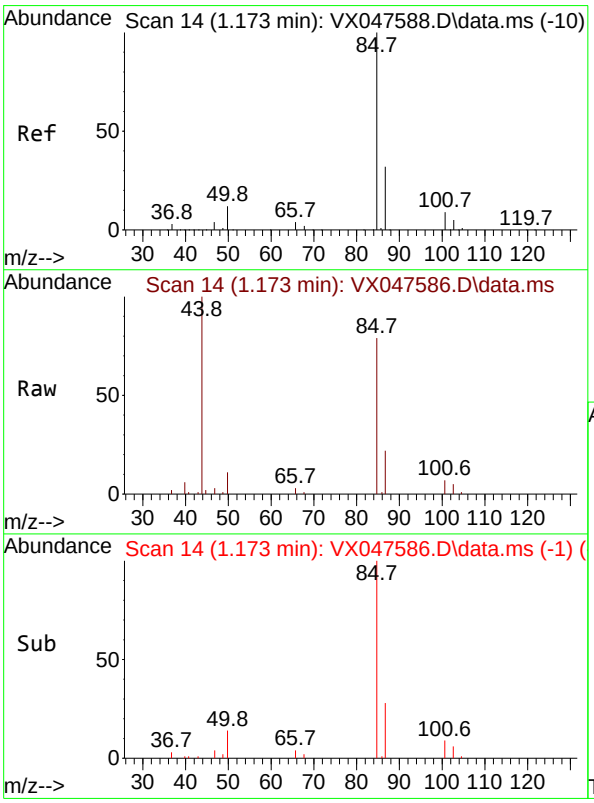
Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

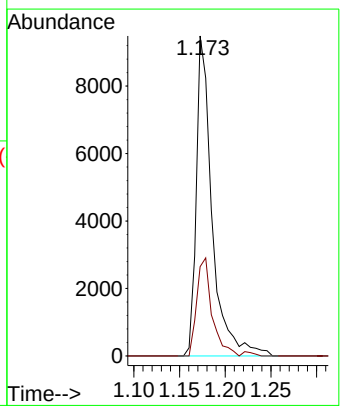
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

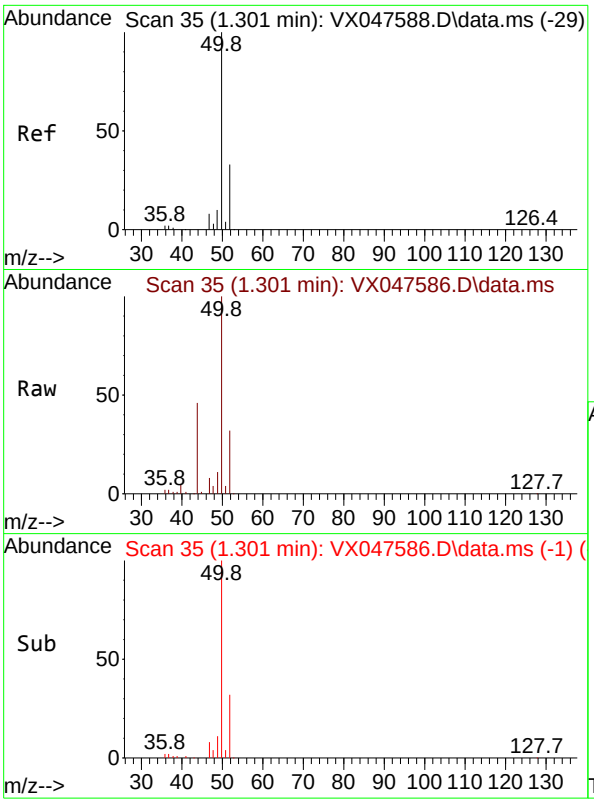


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3

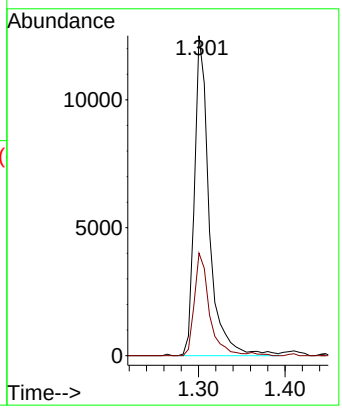




#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 50 Resp: 1485

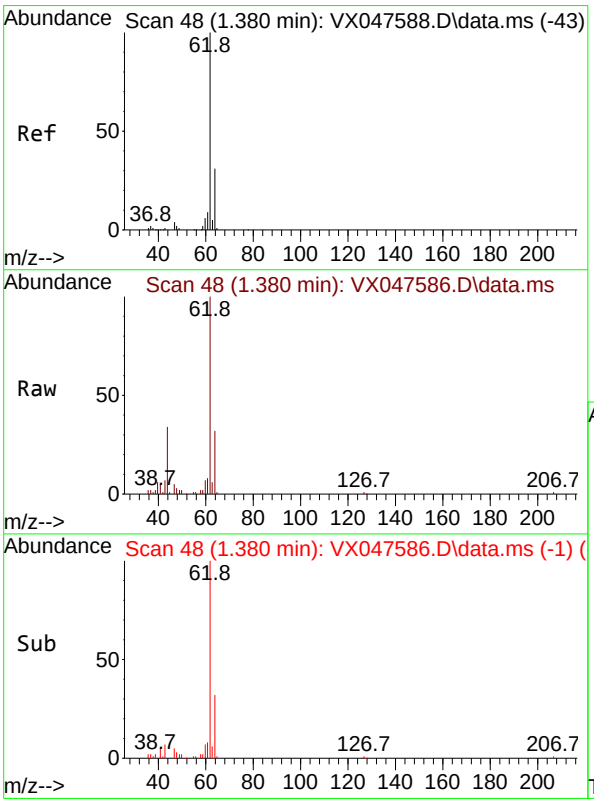
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

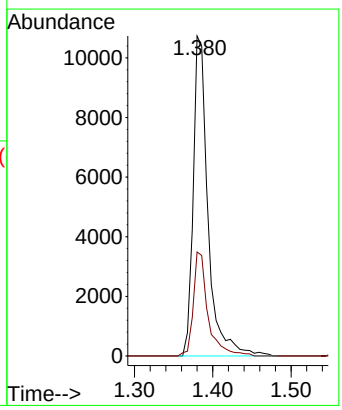
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

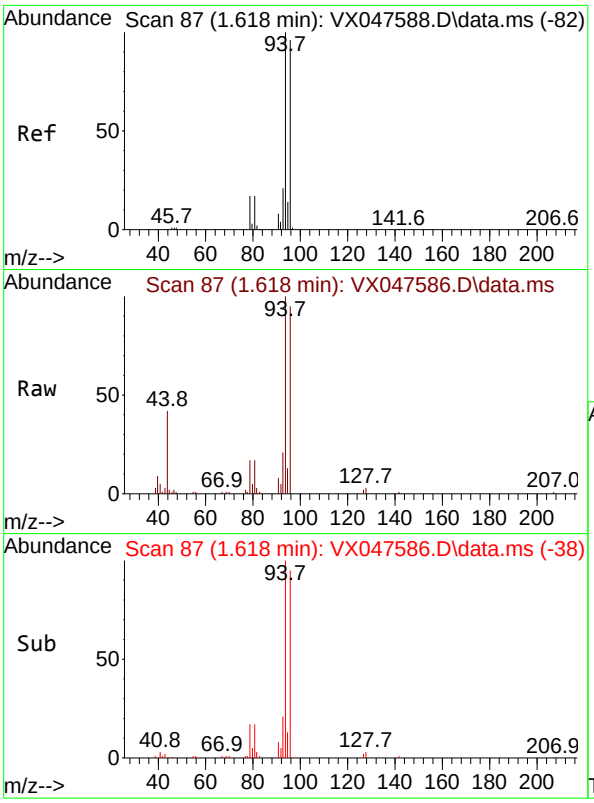


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3

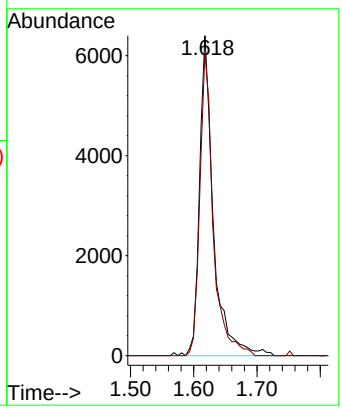




#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 94 Resp: 978

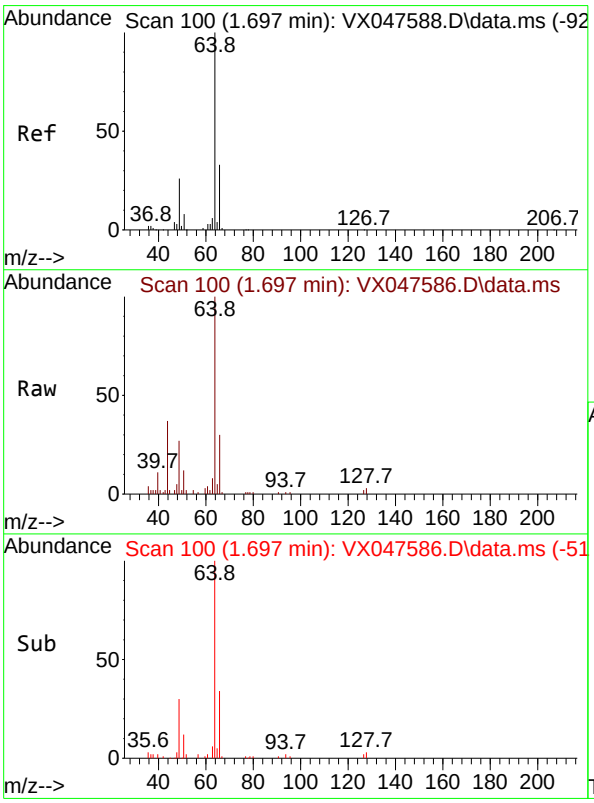
Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

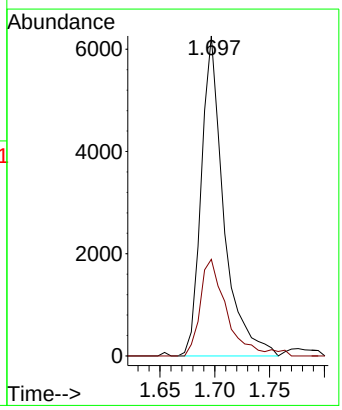
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

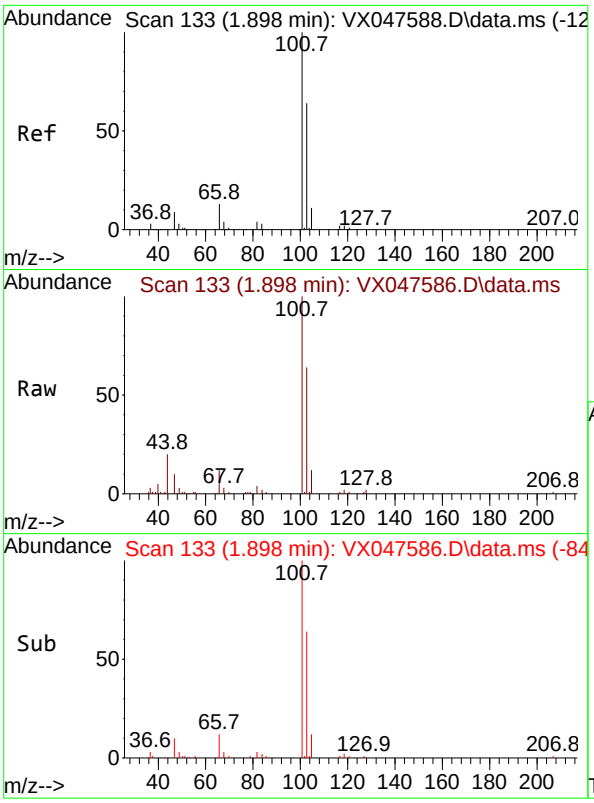


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1

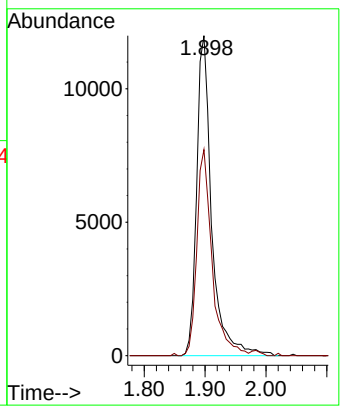




#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 2049

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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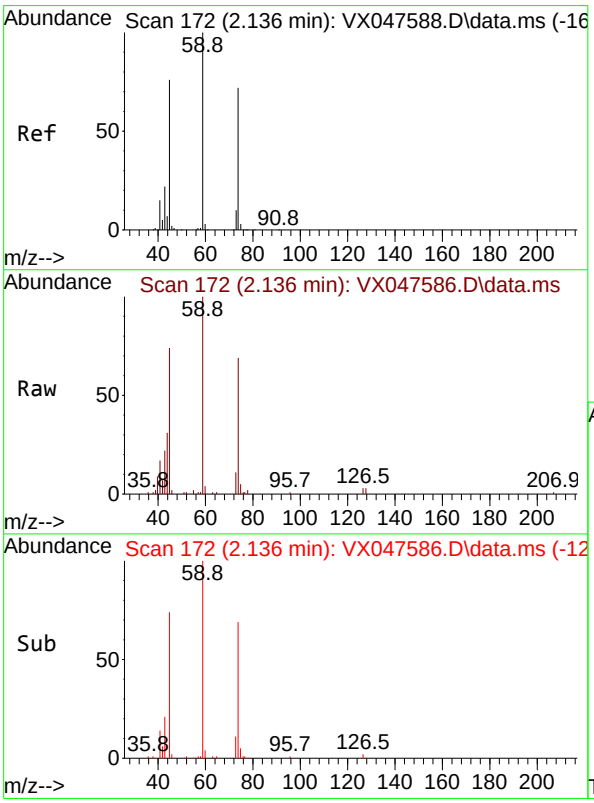
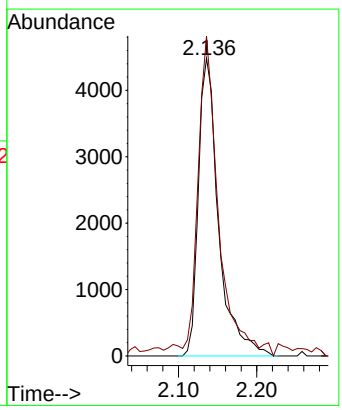
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

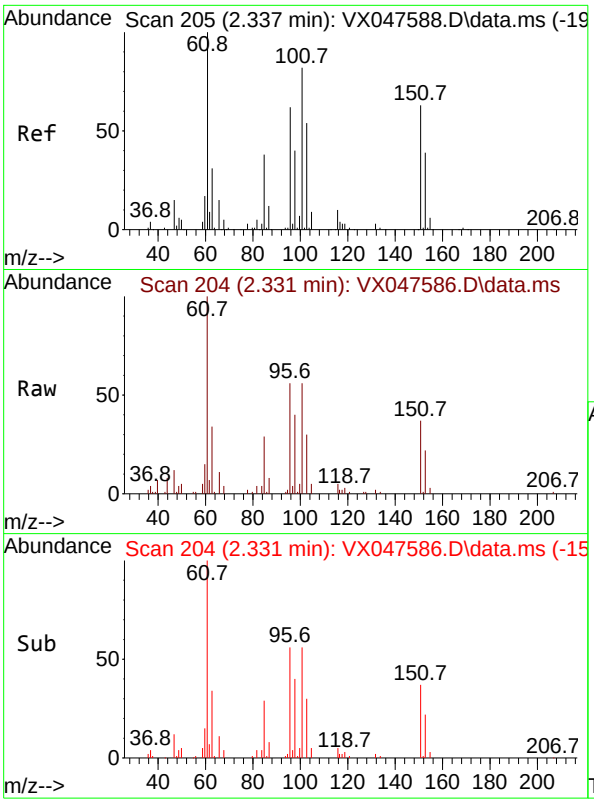


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 1172

Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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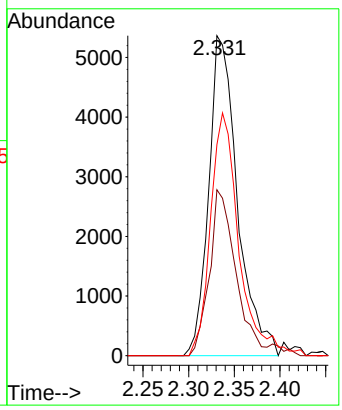
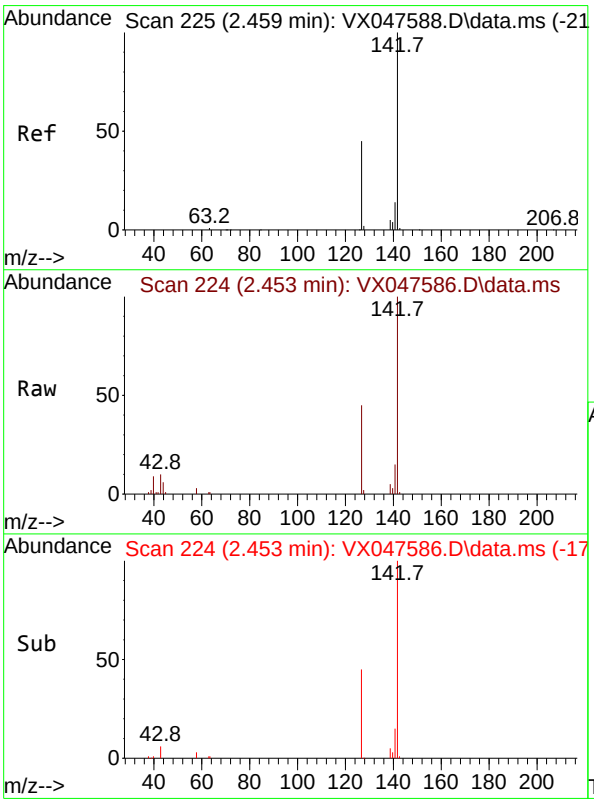
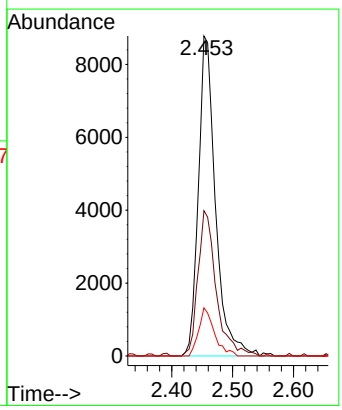


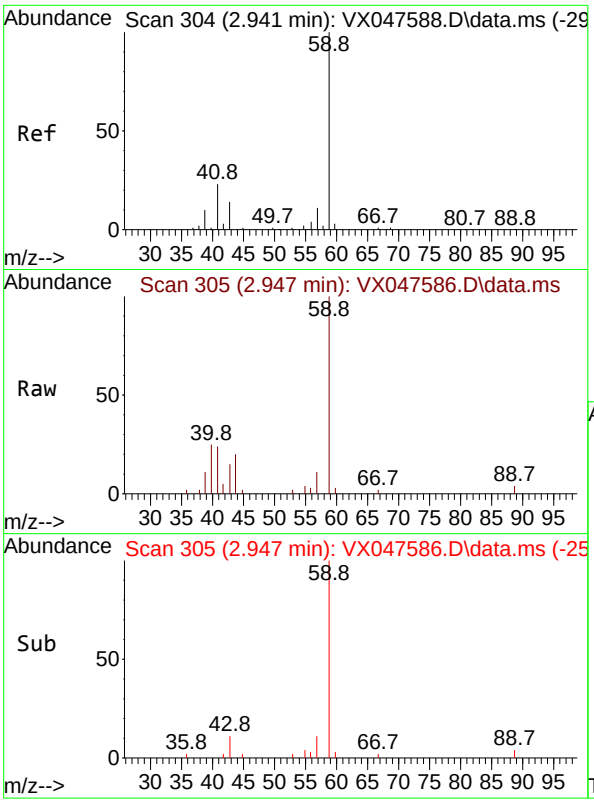


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0

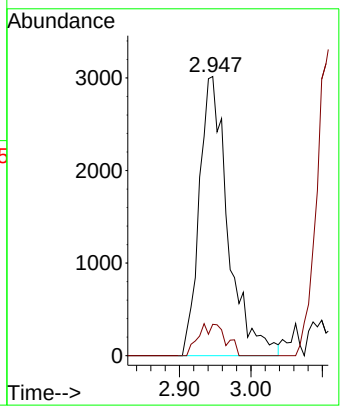




#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 59 Resp: 839

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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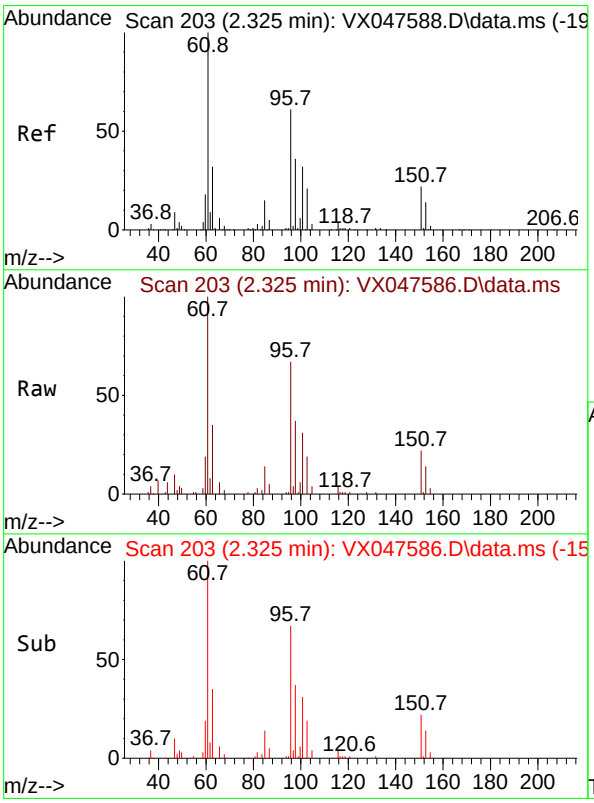
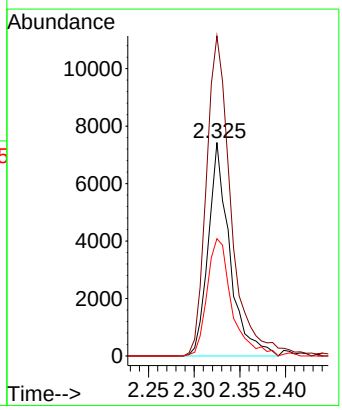
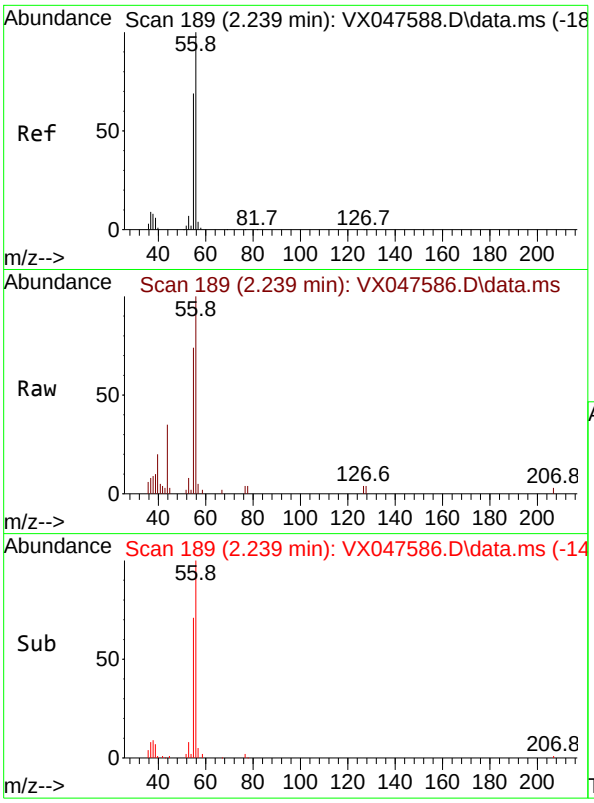


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5

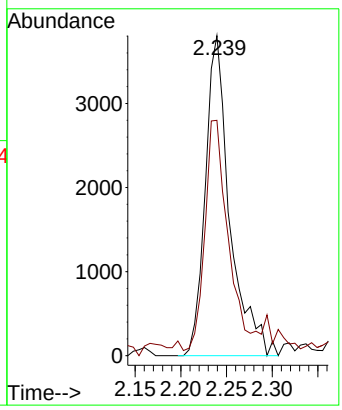




#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 708

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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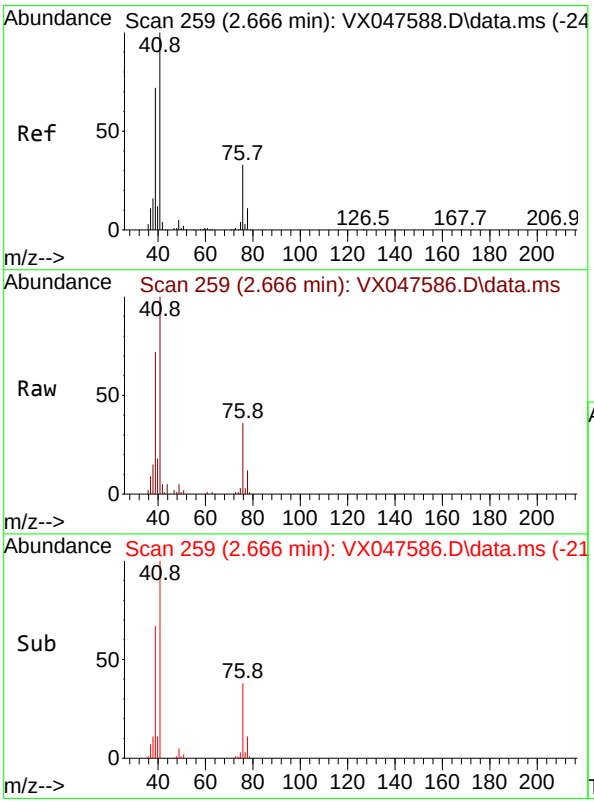
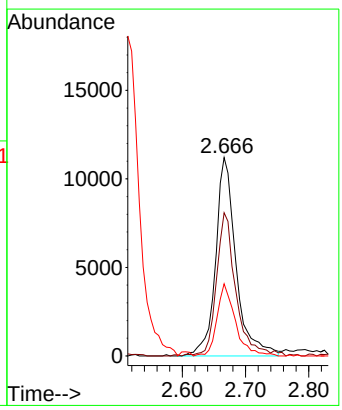
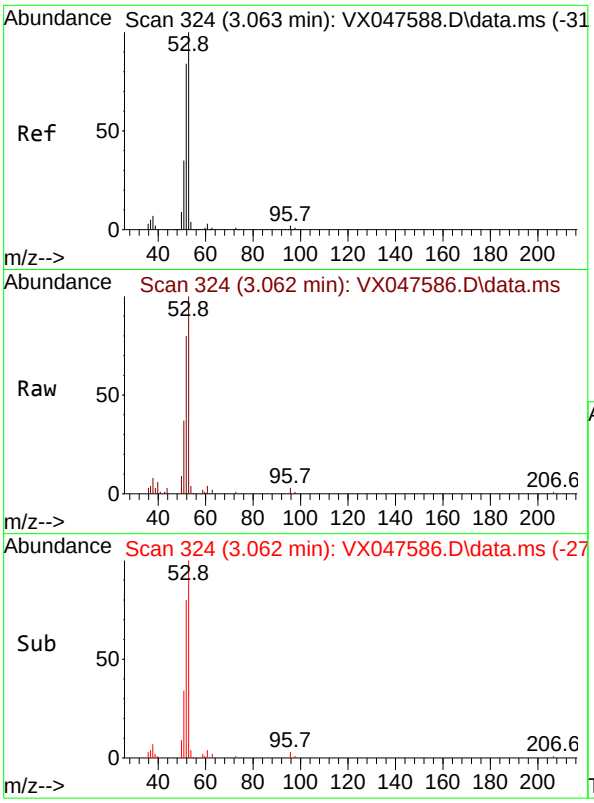


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5

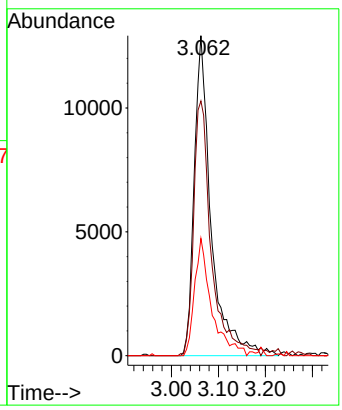




#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 53 Resp: 3258

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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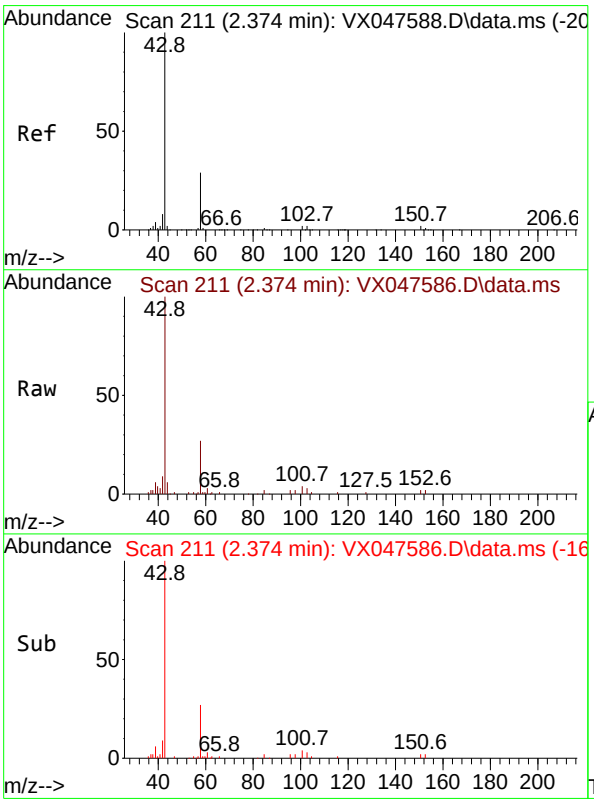
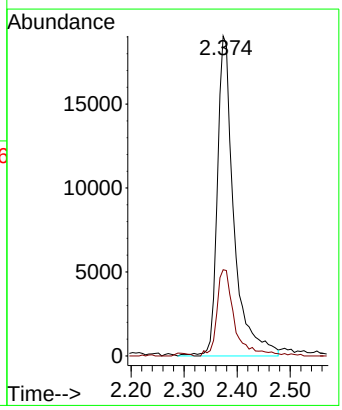
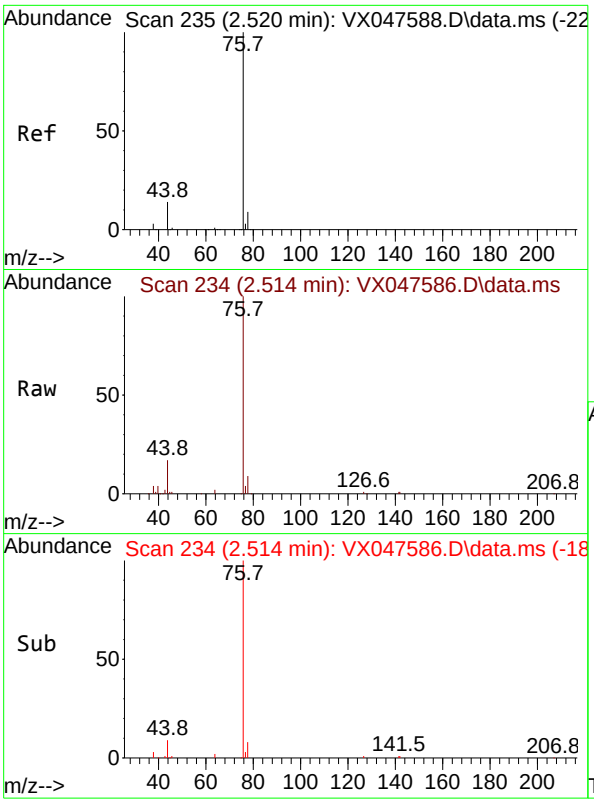


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0

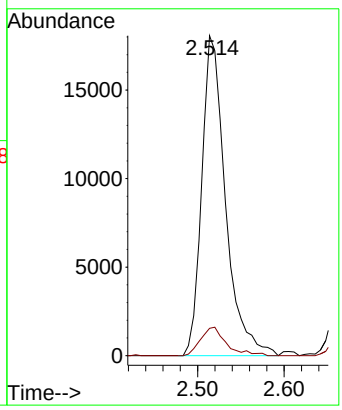




#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 3442

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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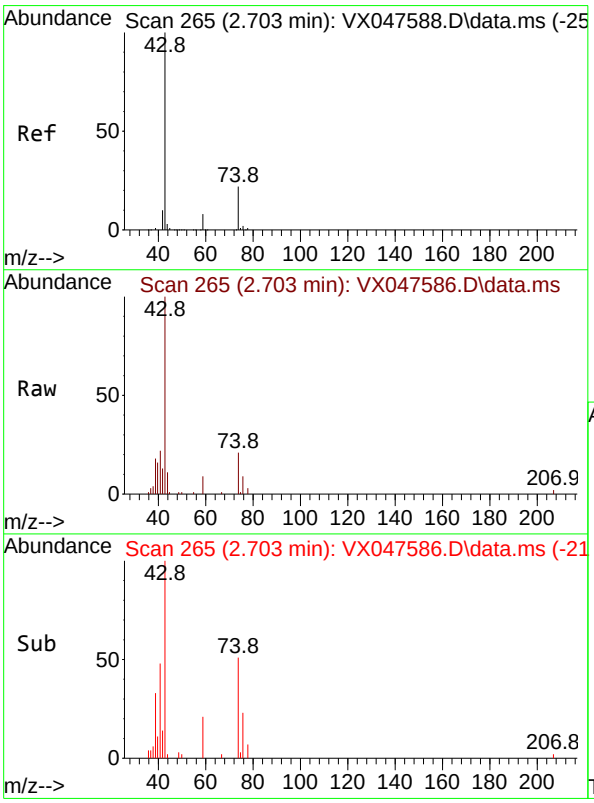
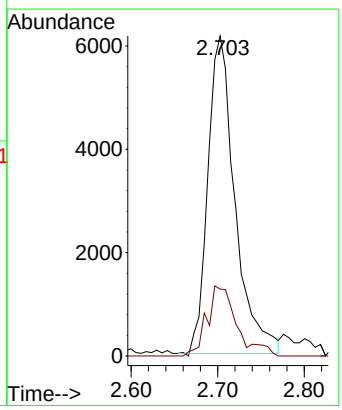
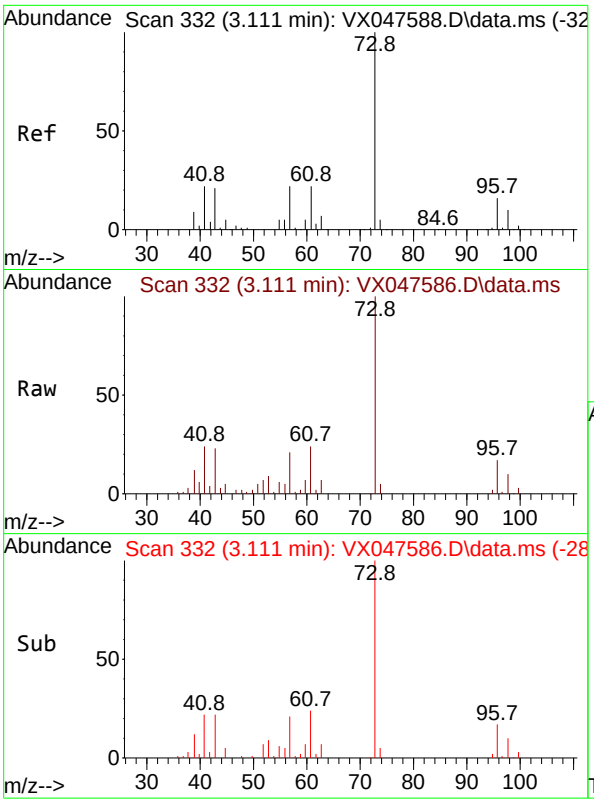


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2

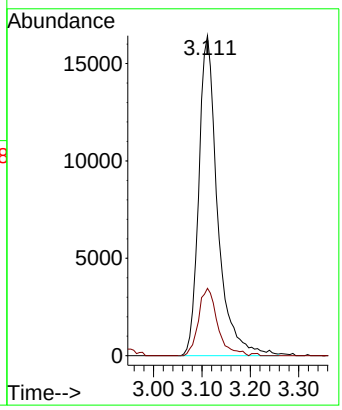




#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 73 Resp: 4439

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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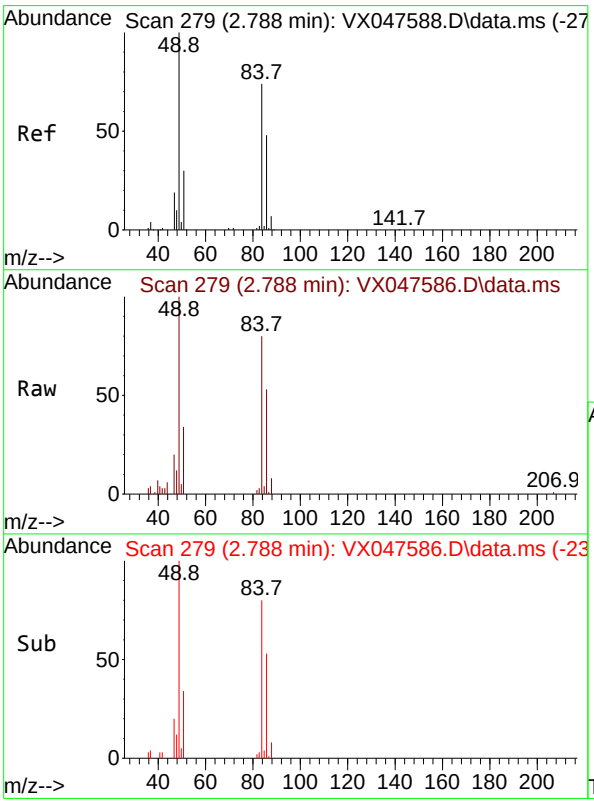
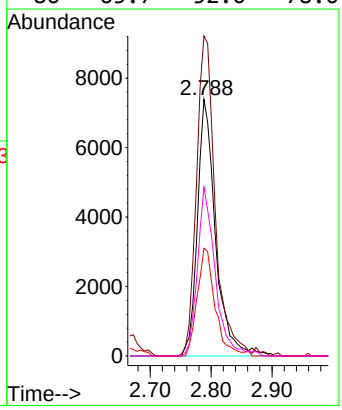
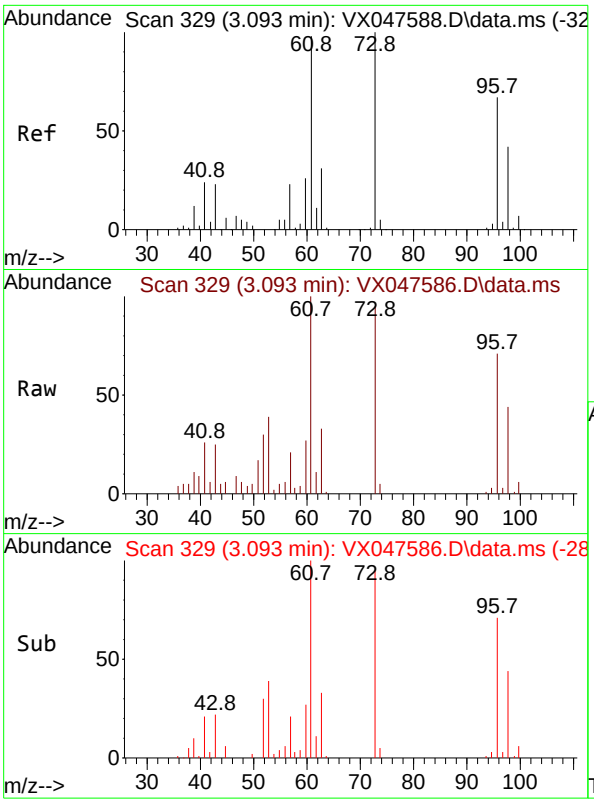


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0

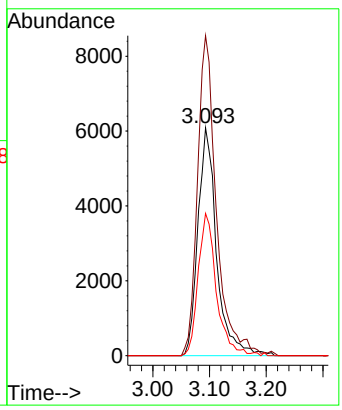




#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1393

Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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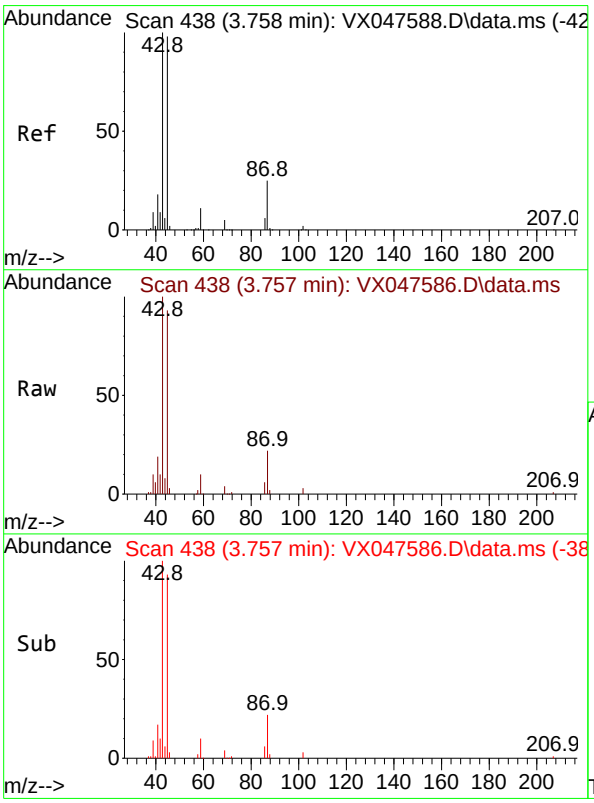
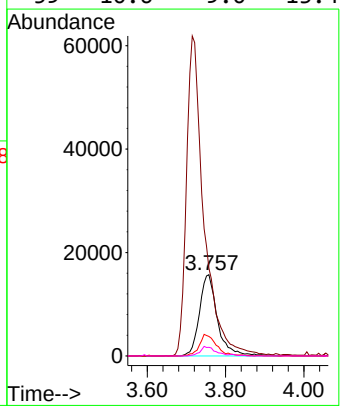
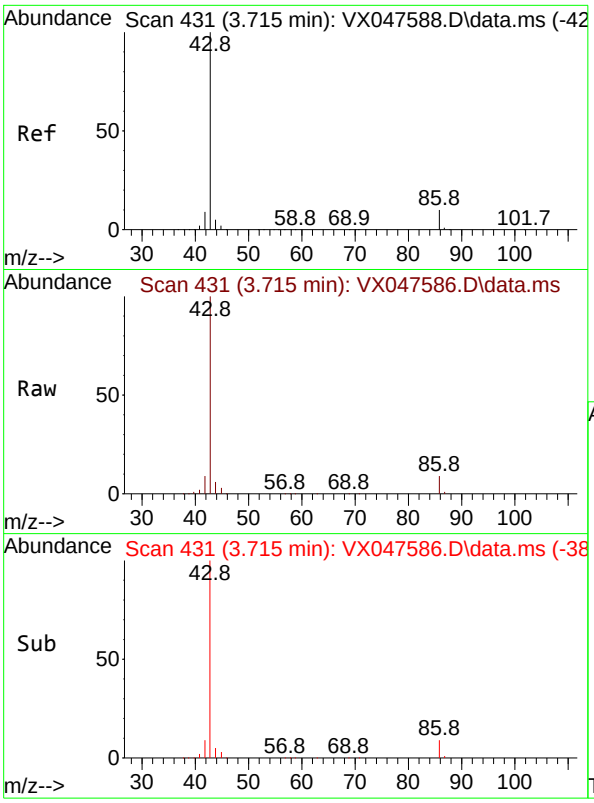


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4





#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 19217

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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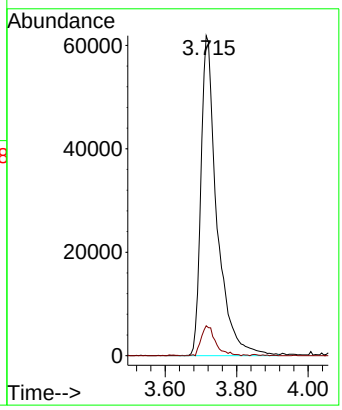
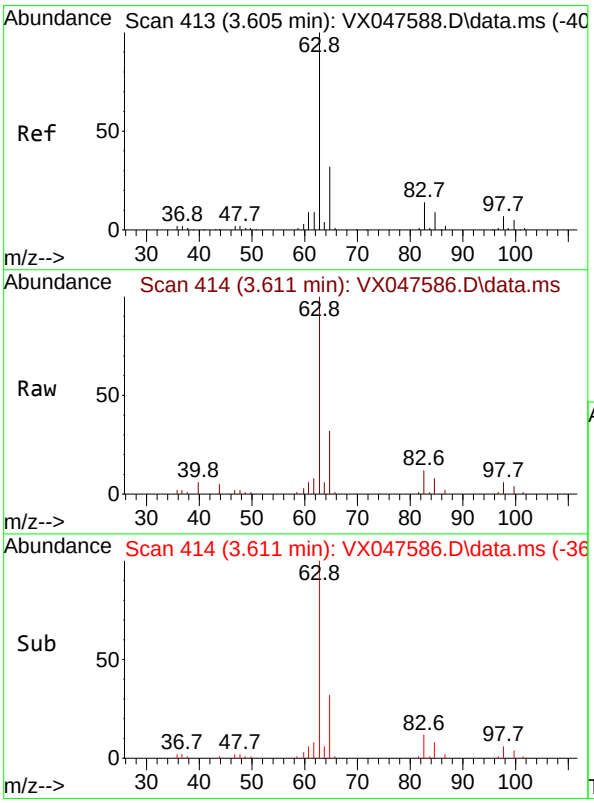
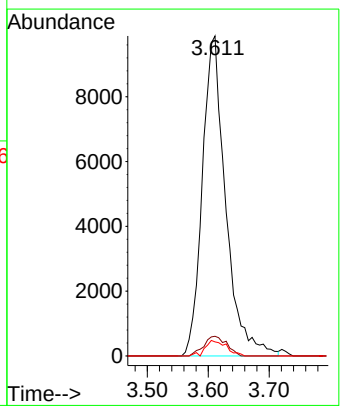


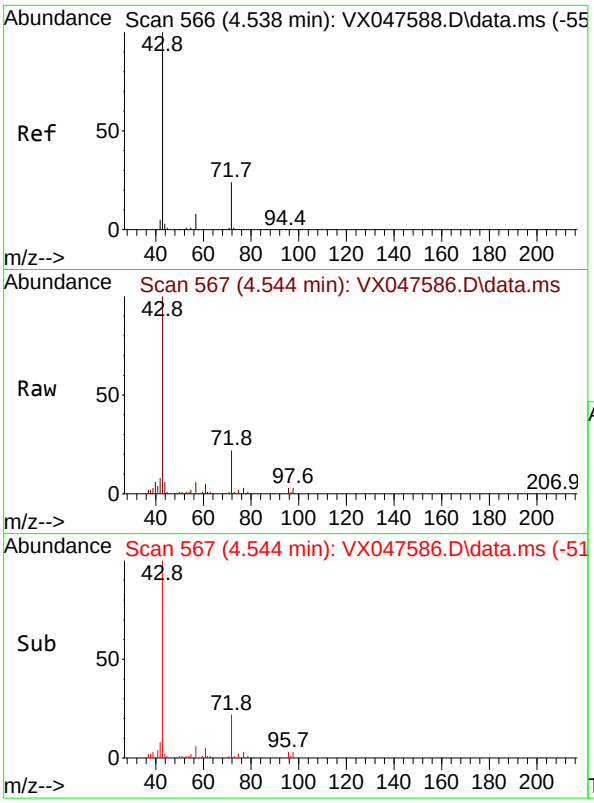


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 4665

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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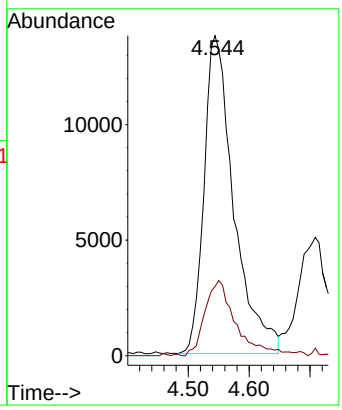
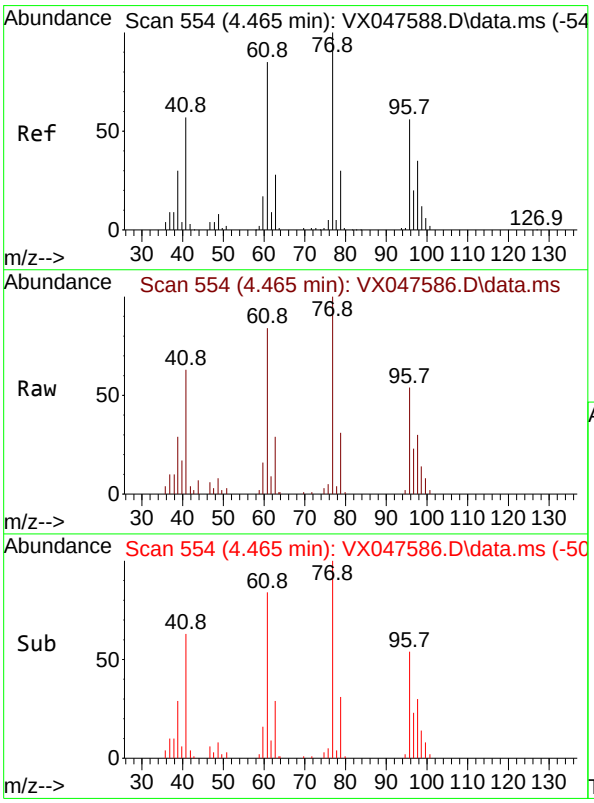
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

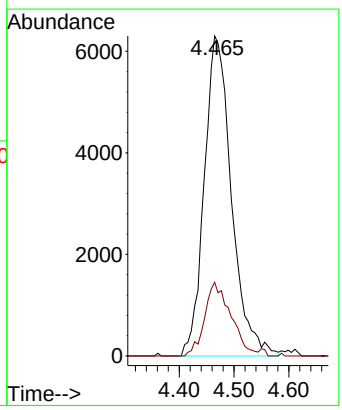


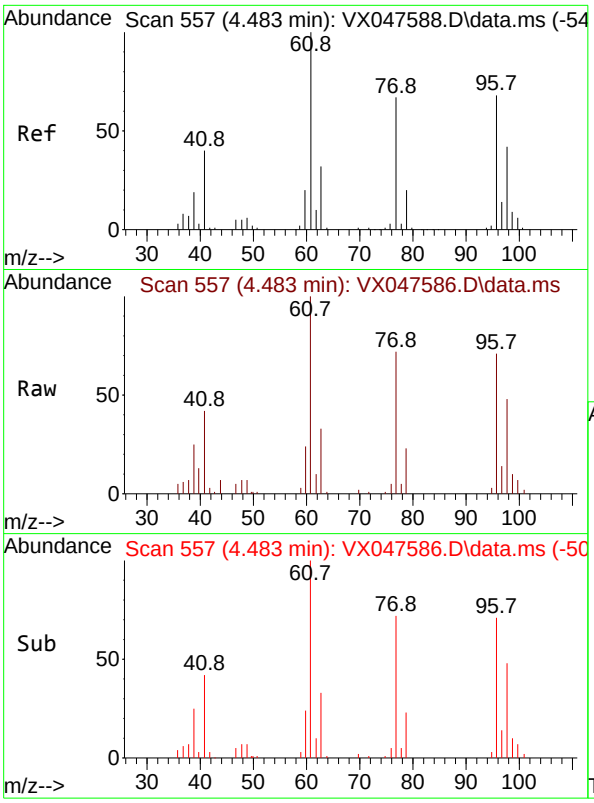


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

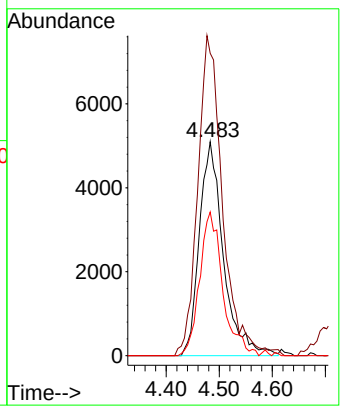




#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1599

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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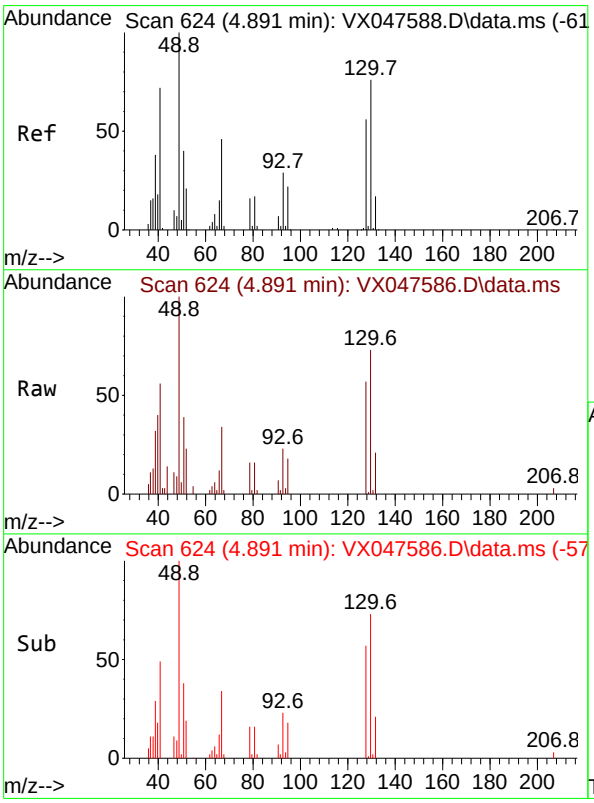
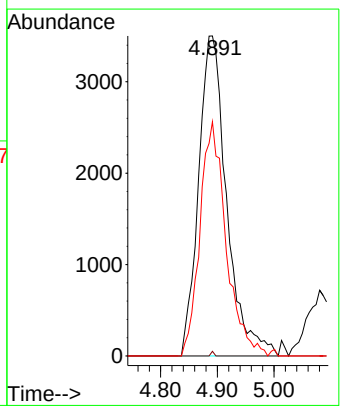
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

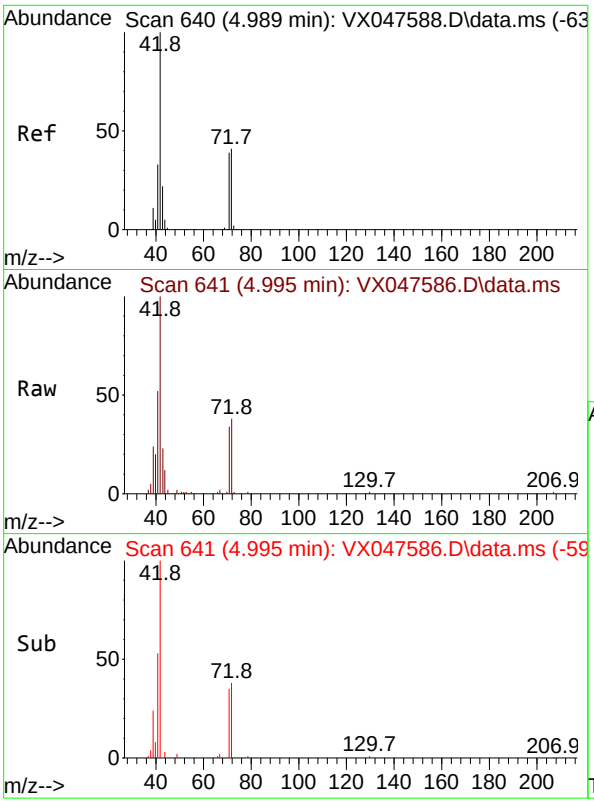


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 42 Resp: 2672

Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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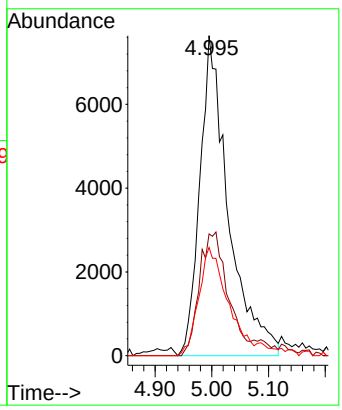
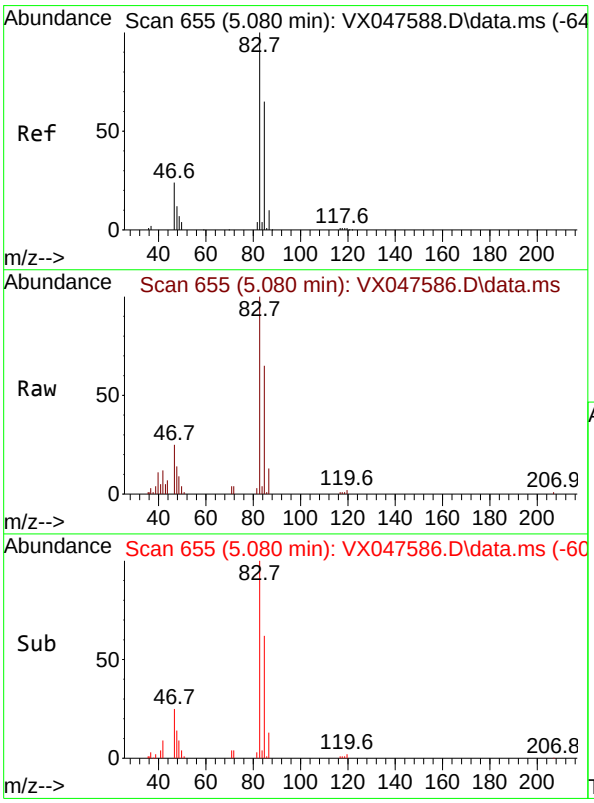
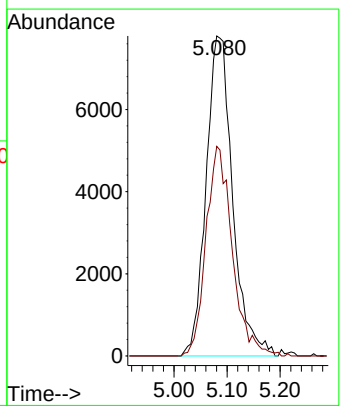


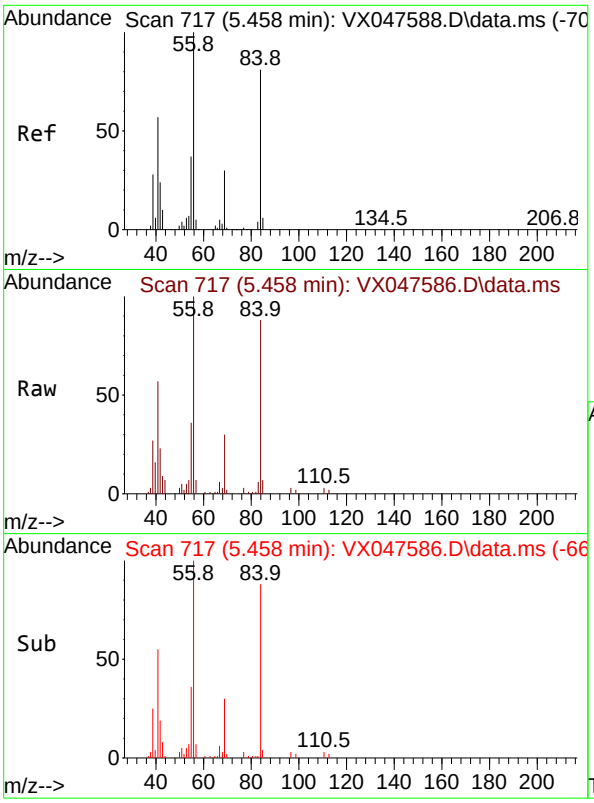


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 2303

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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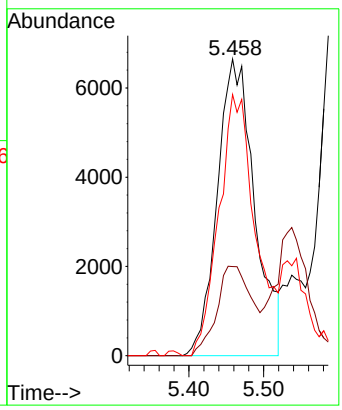
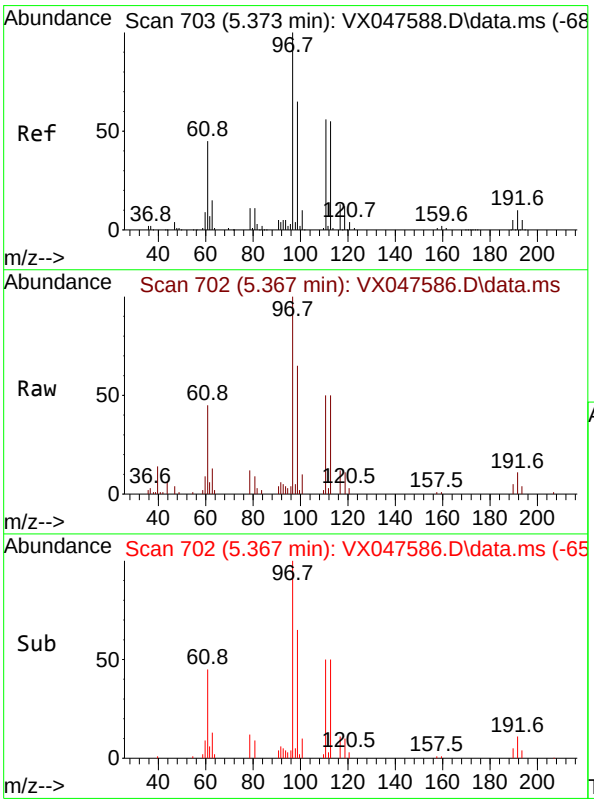
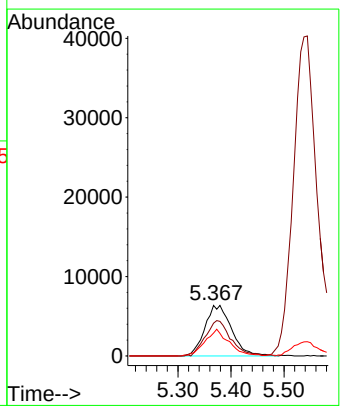


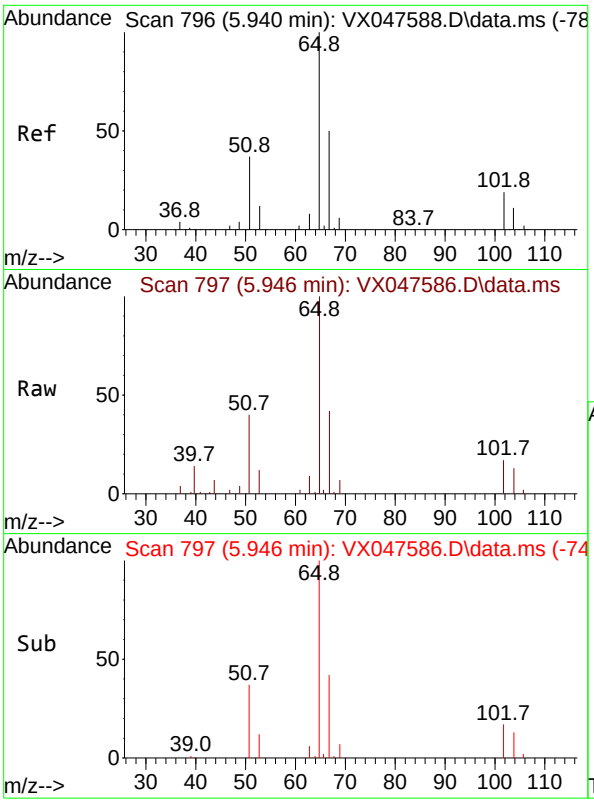


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8

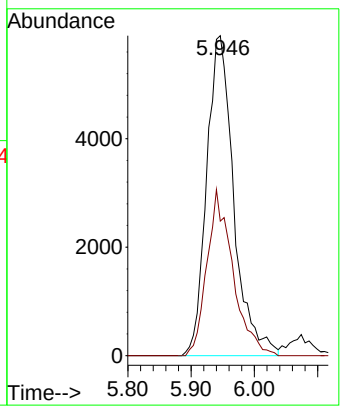




#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 65 Resp: 1753

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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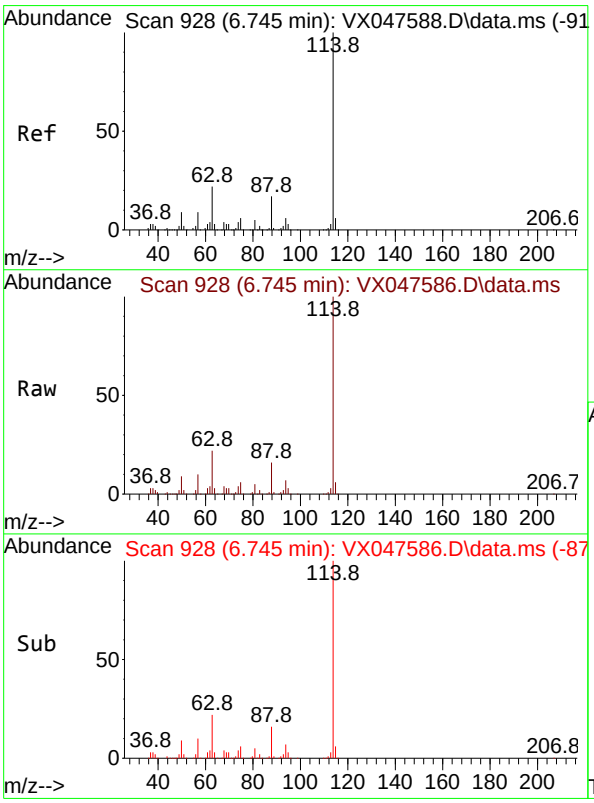
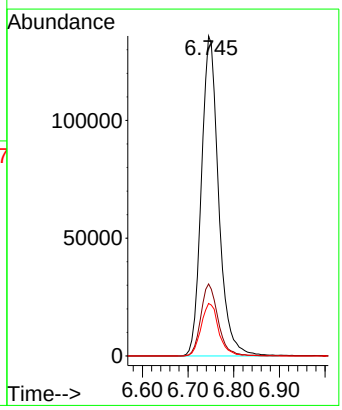
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

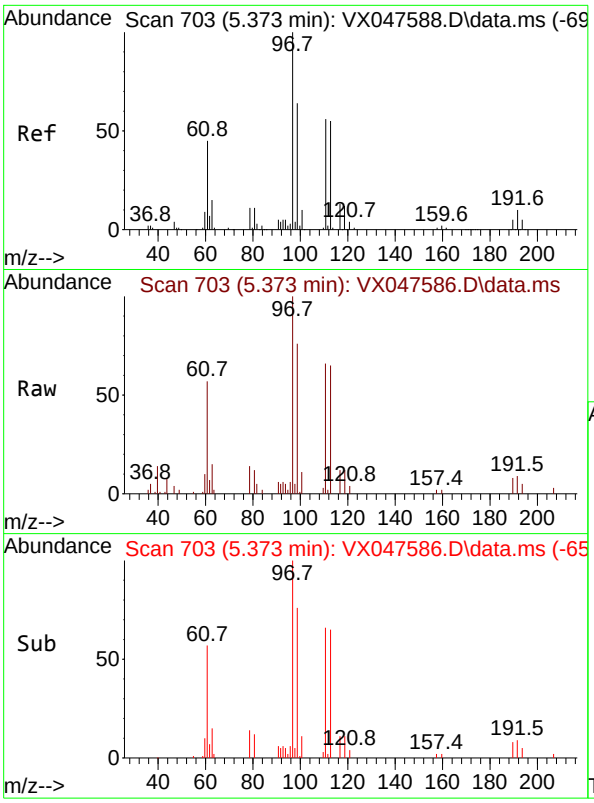


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2

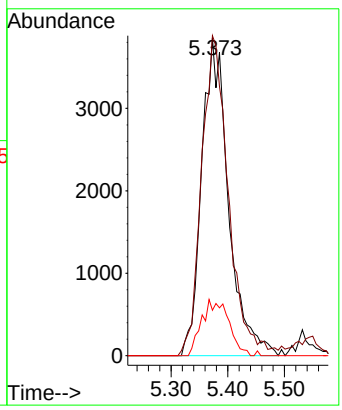




#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:113 Resp: 1264

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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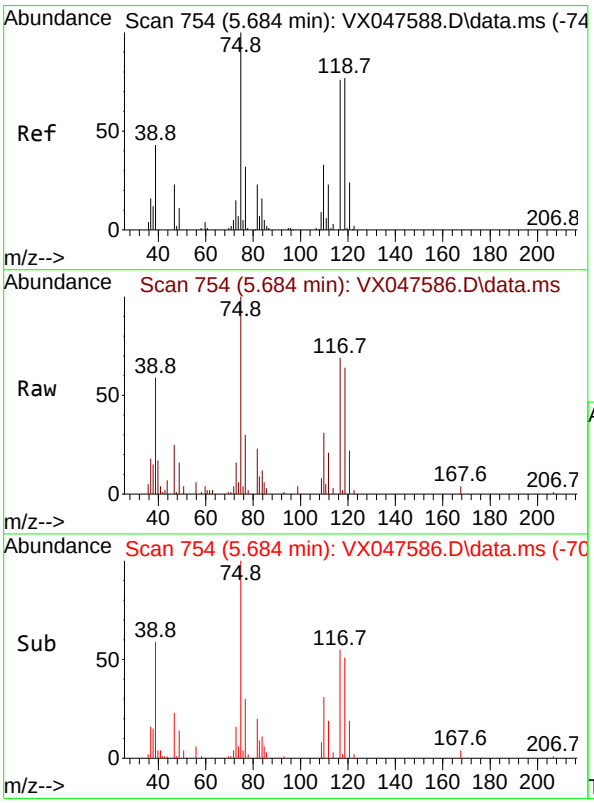
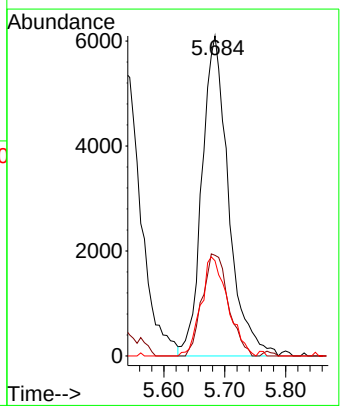
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

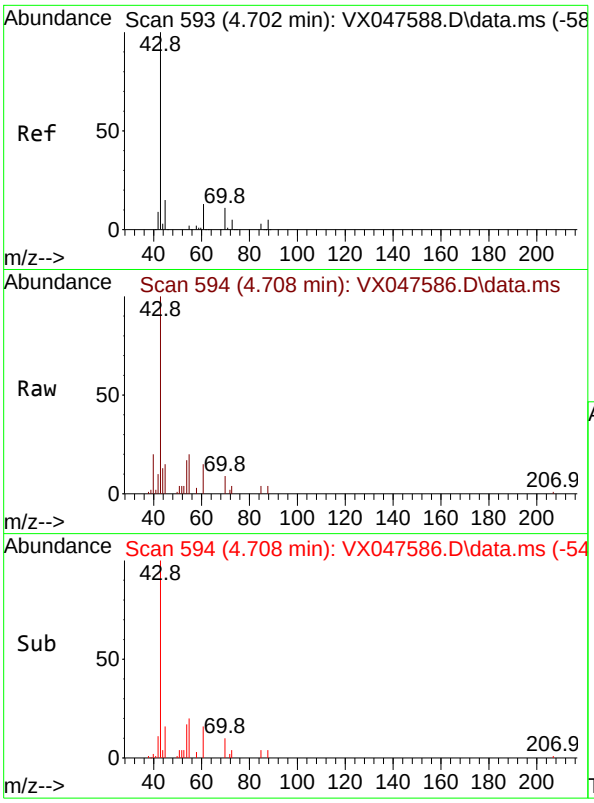


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5

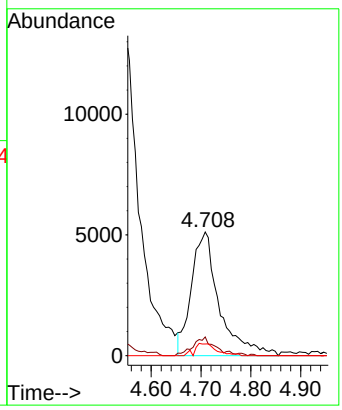




#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 1991

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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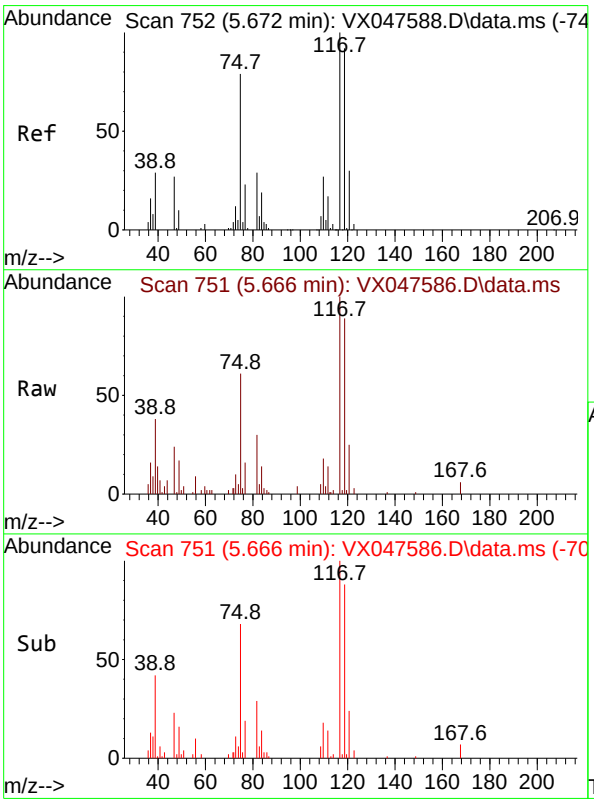
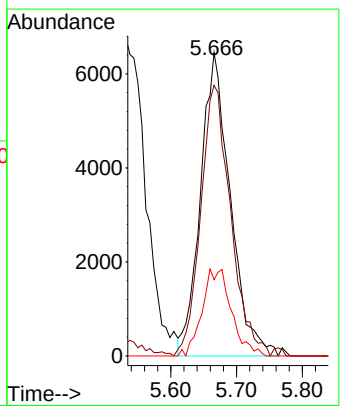
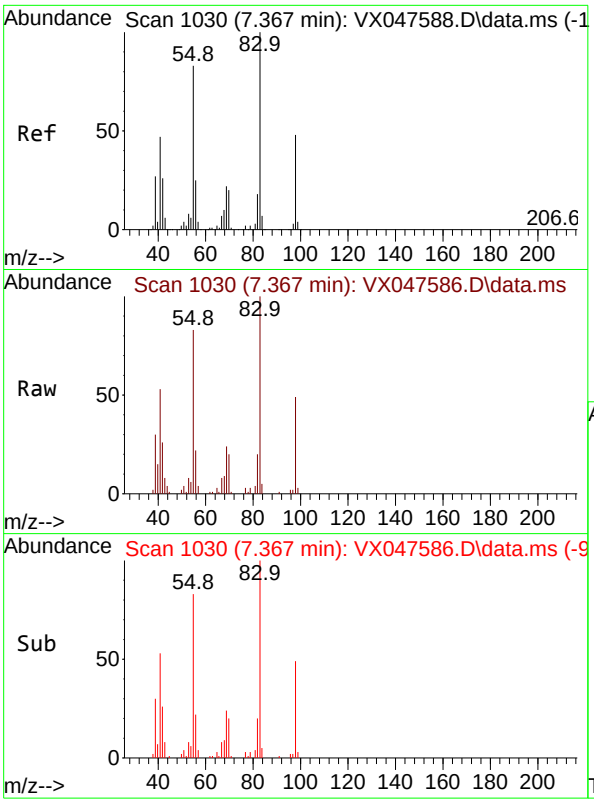


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6

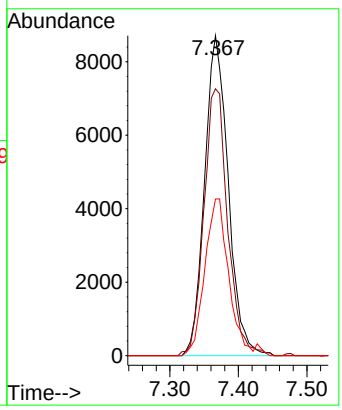




#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2090

Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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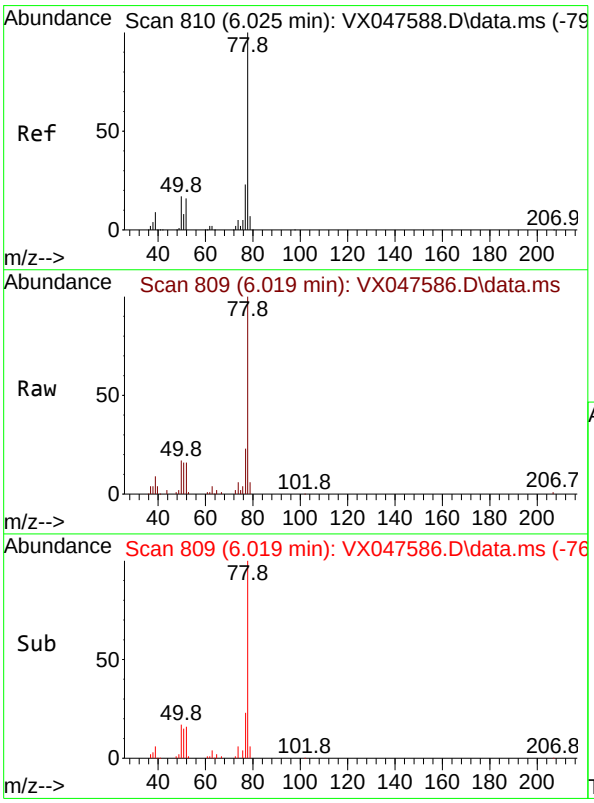
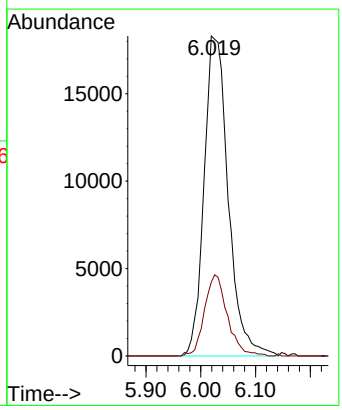
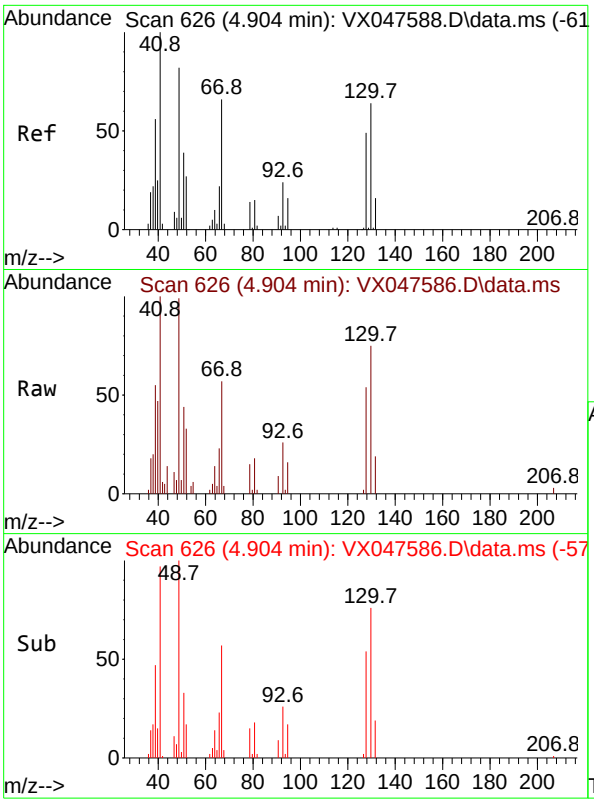


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

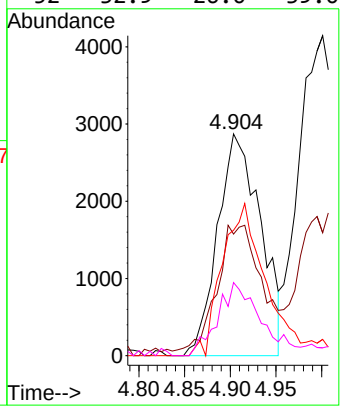




#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 939

Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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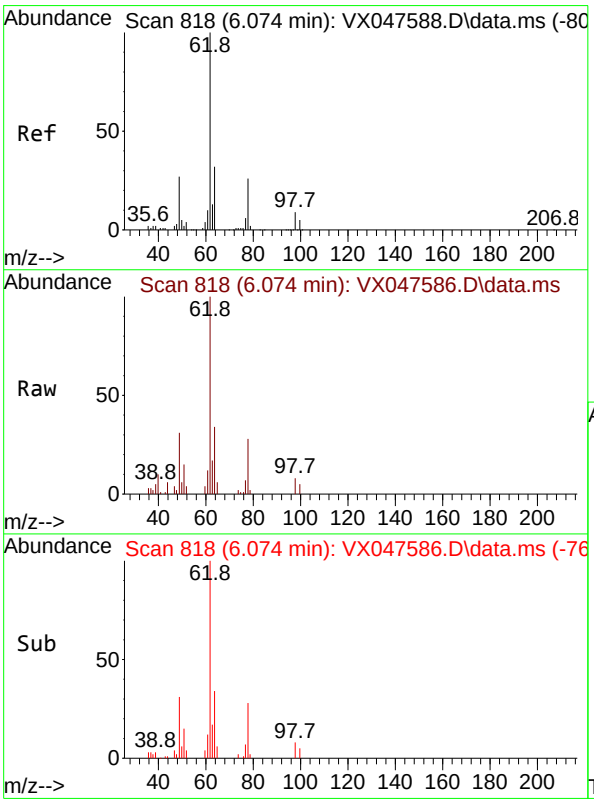
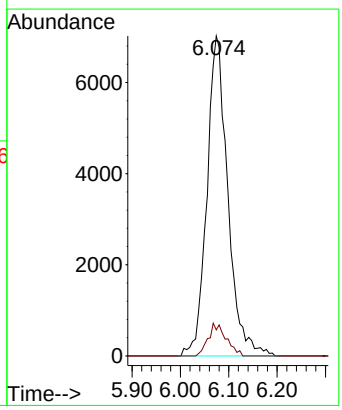
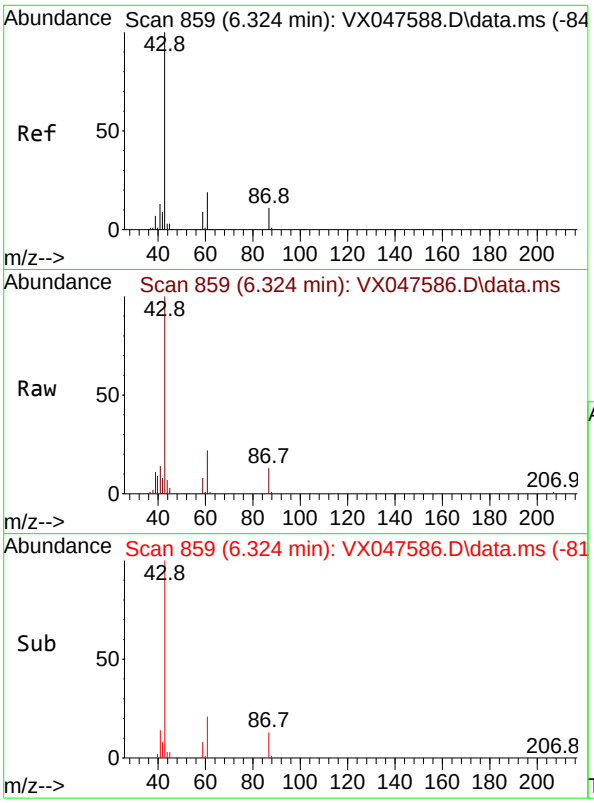


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

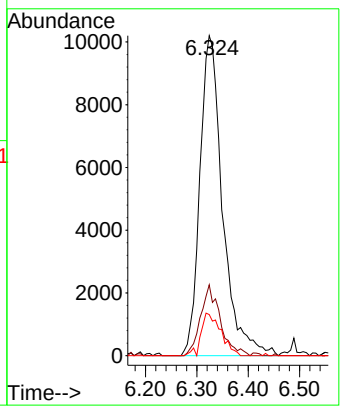




#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 3130

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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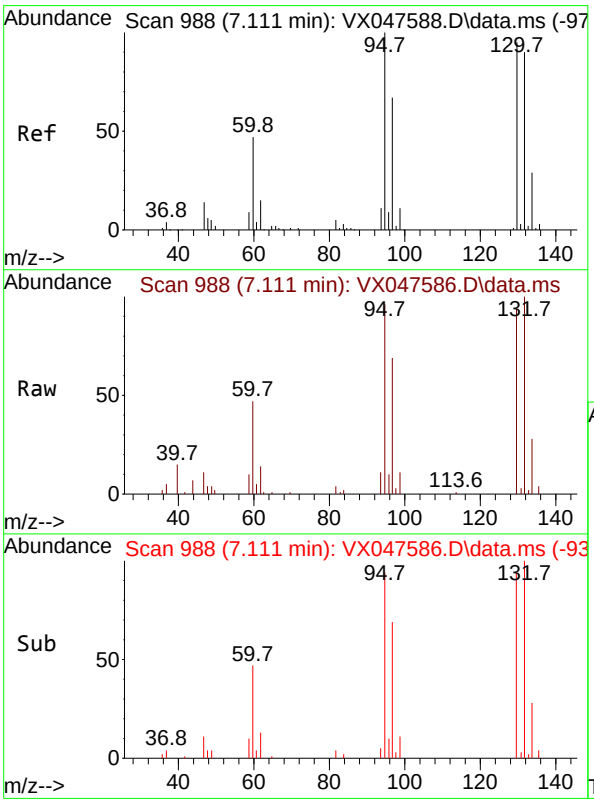
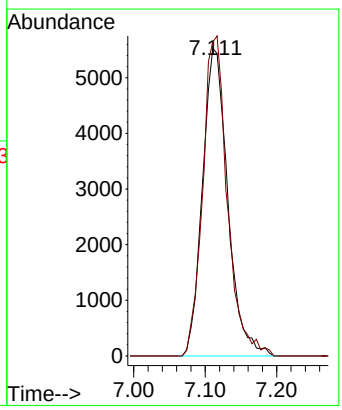
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

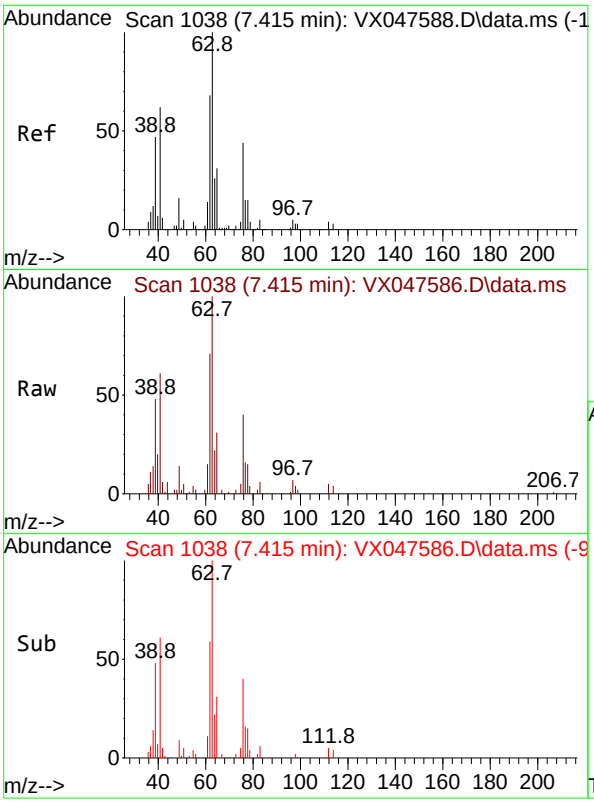


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 1430

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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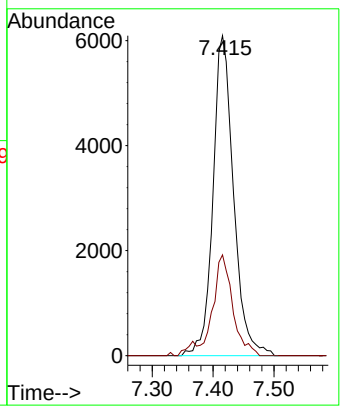
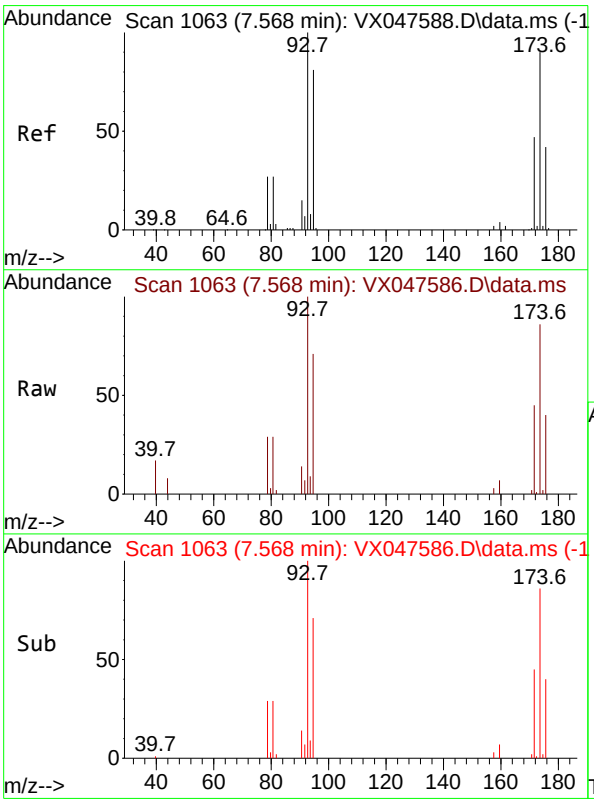
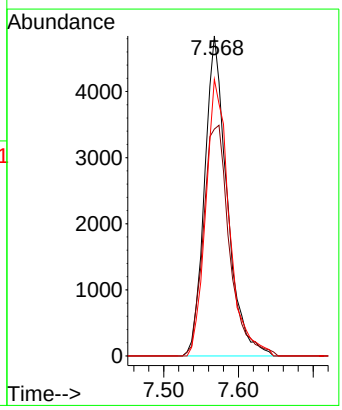


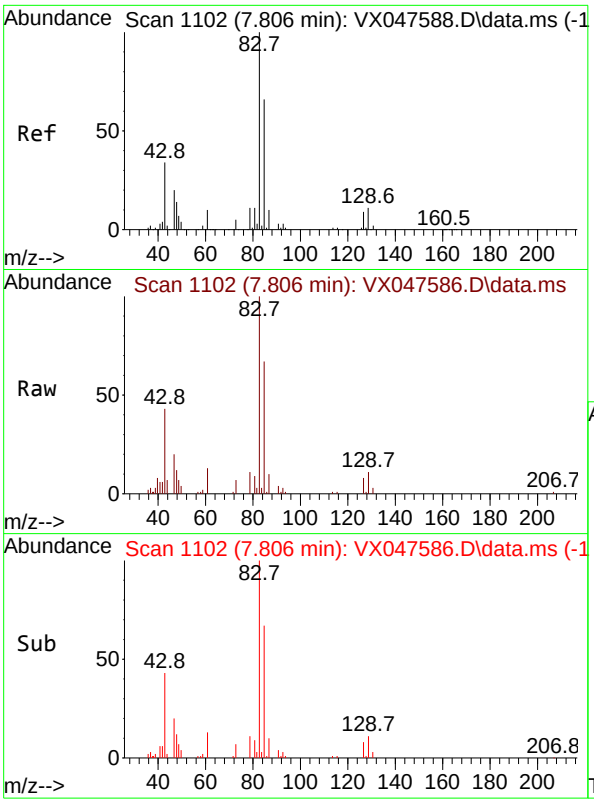


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4

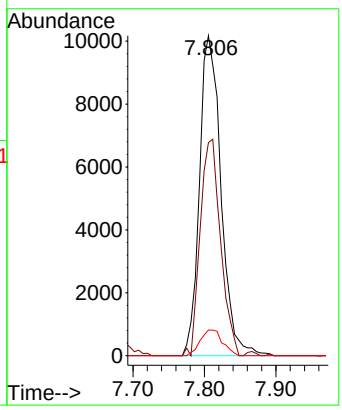




#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2127

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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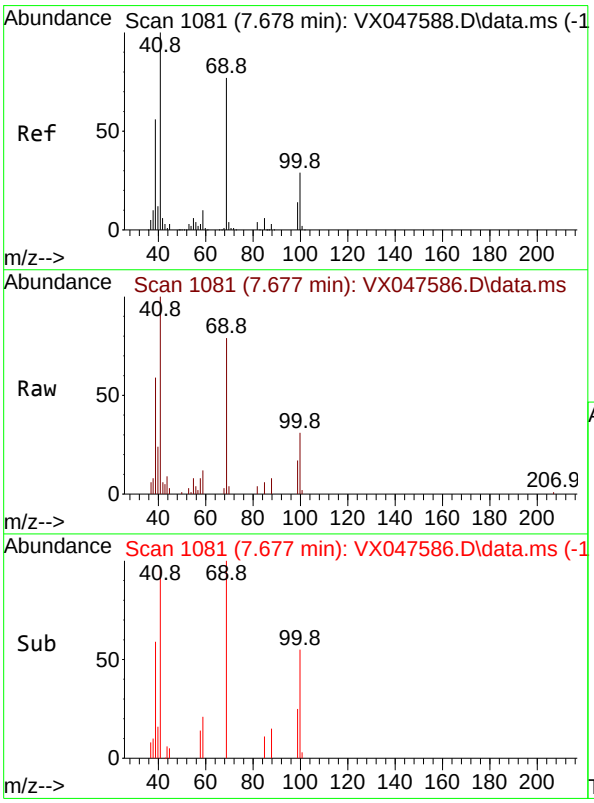
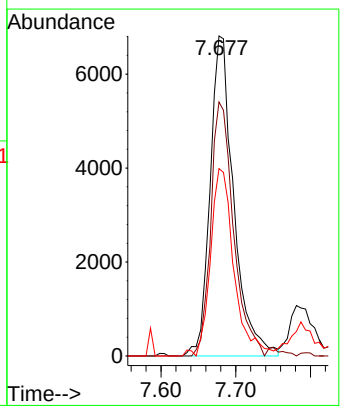
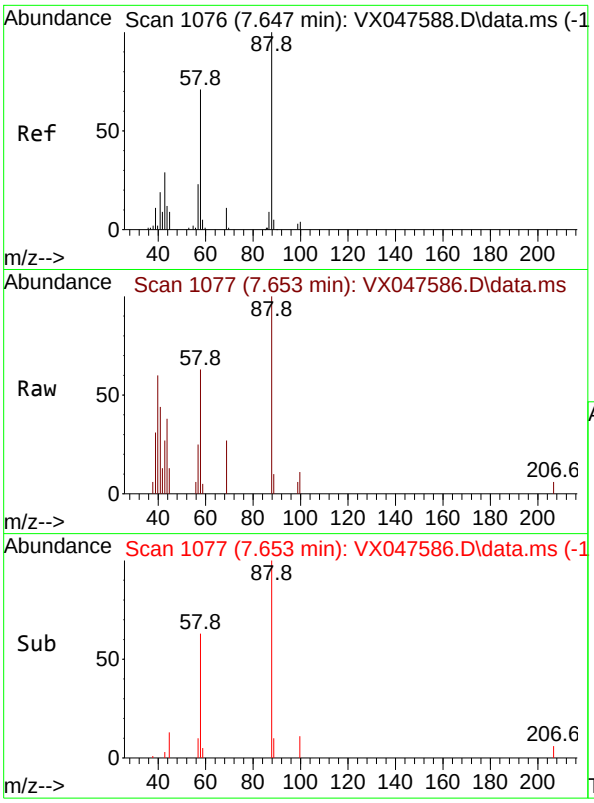


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6

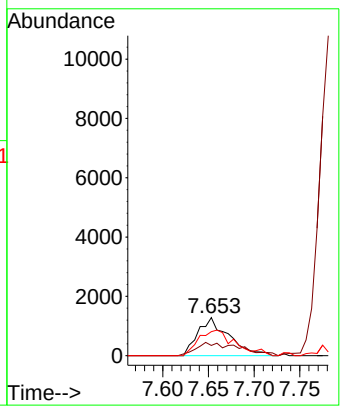




#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 88 Resp: 301

Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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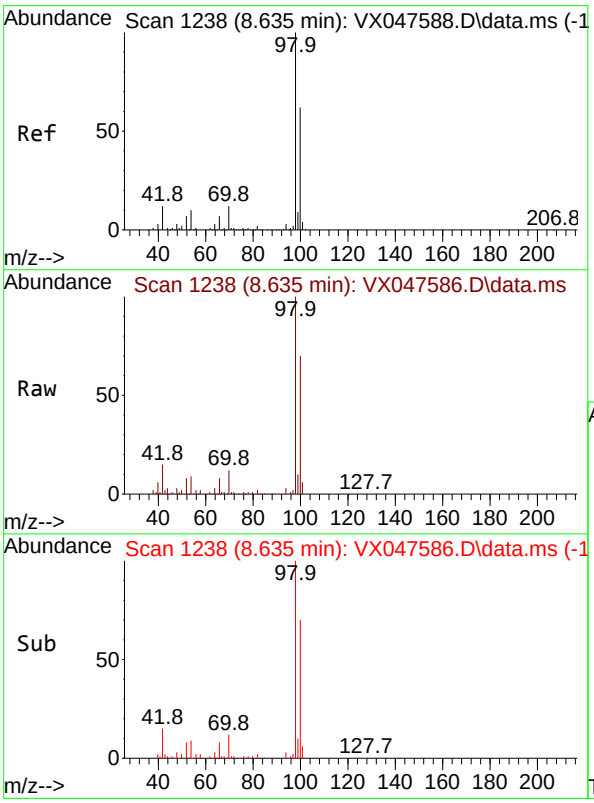
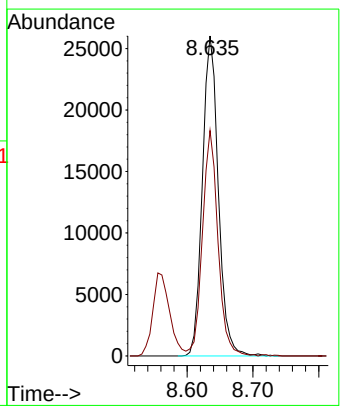
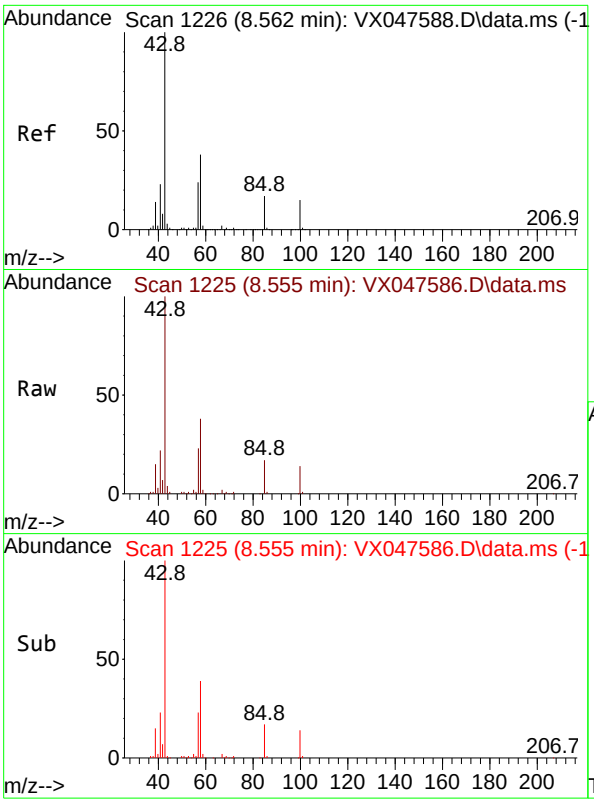


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4

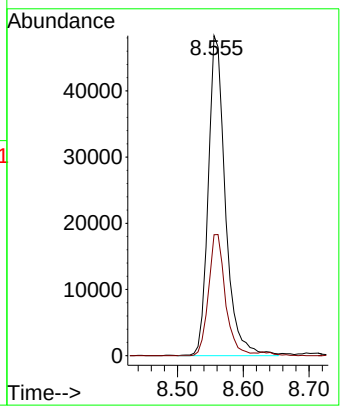




#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 8749

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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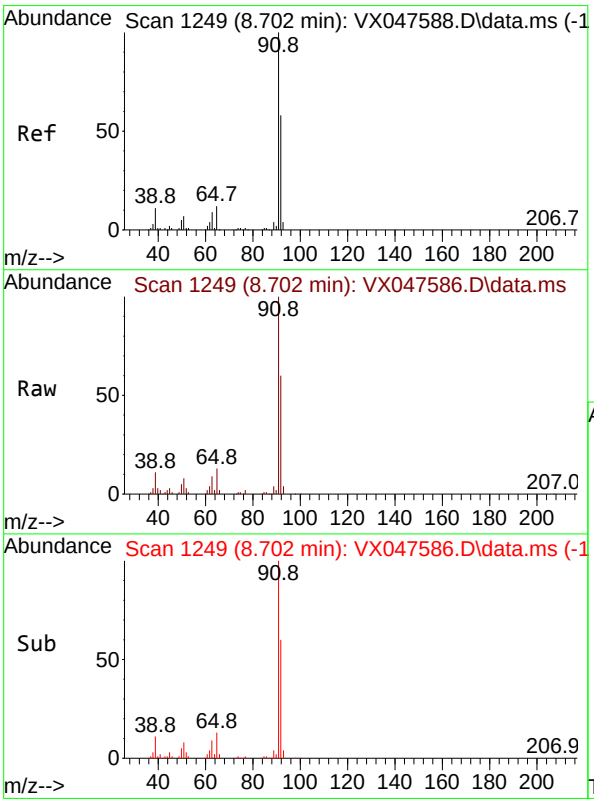
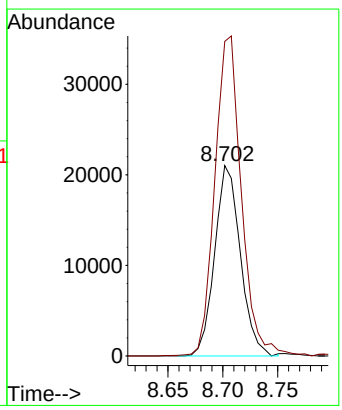
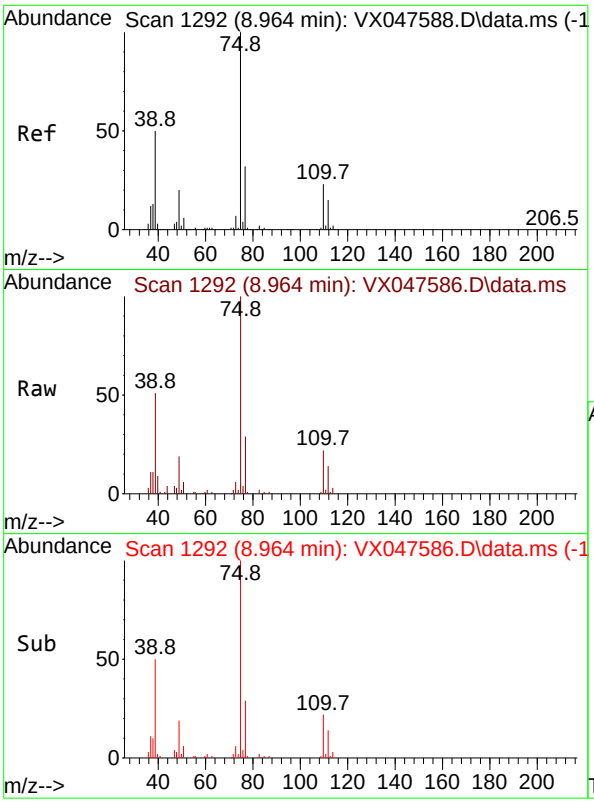


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7

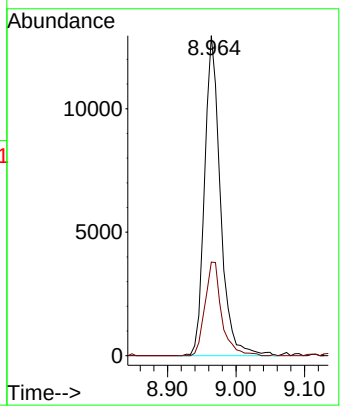




#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 2086

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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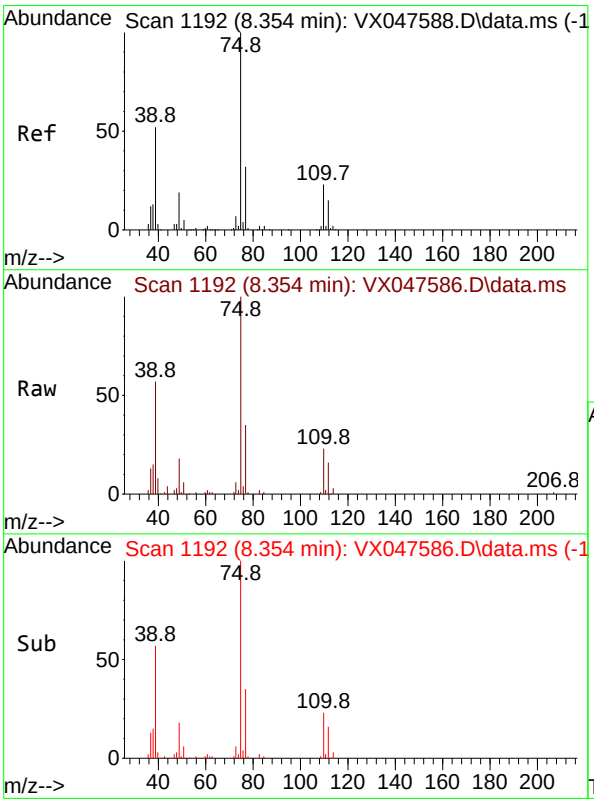
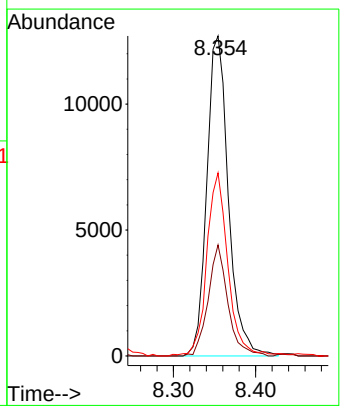
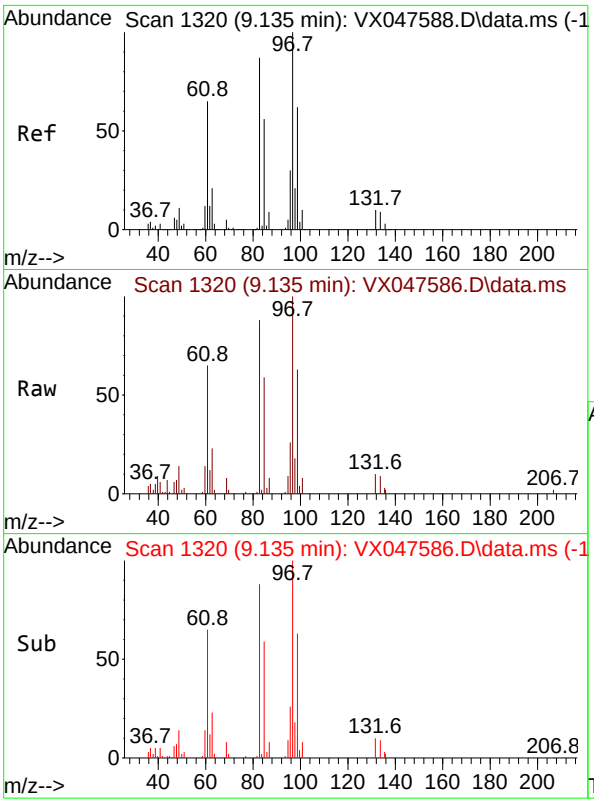


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2

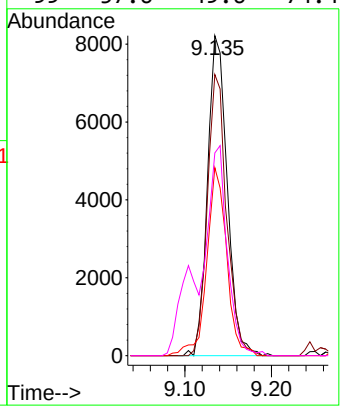




#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 1296

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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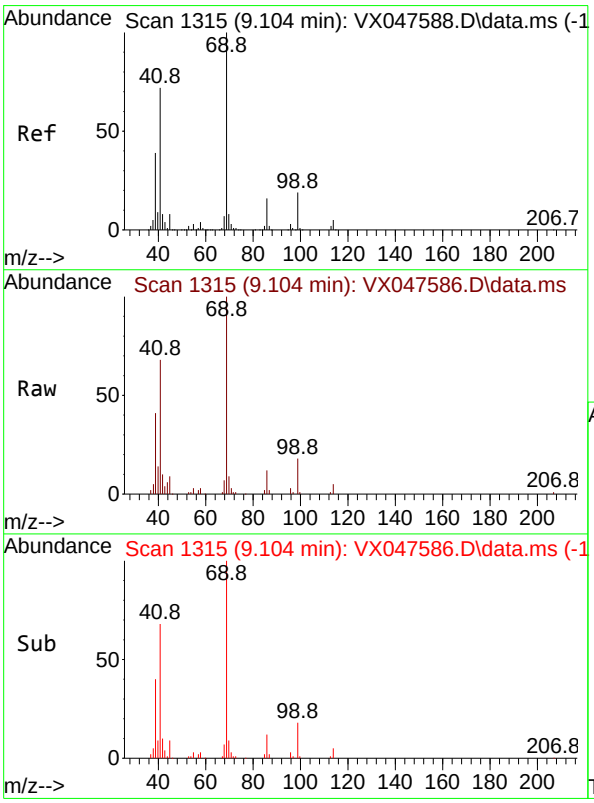
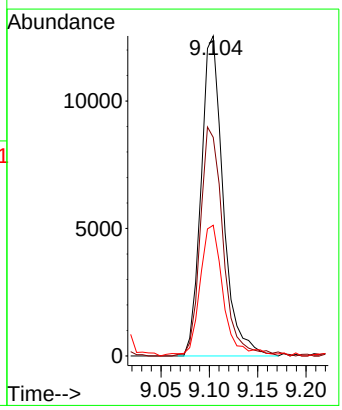
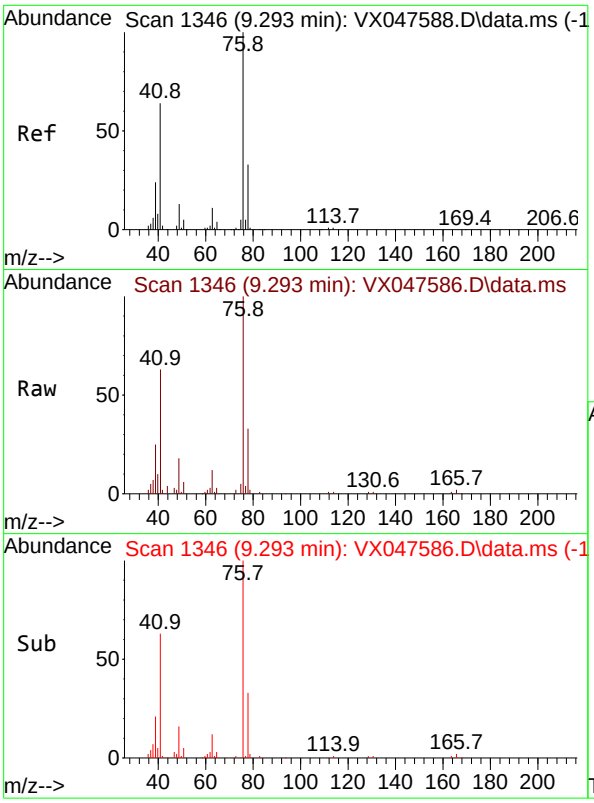


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3





#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 2298

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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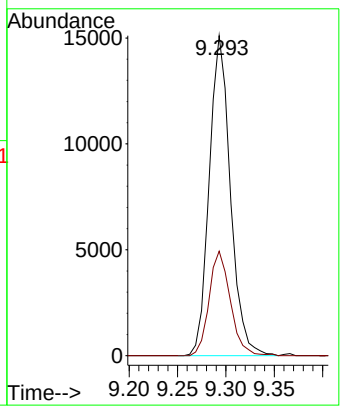
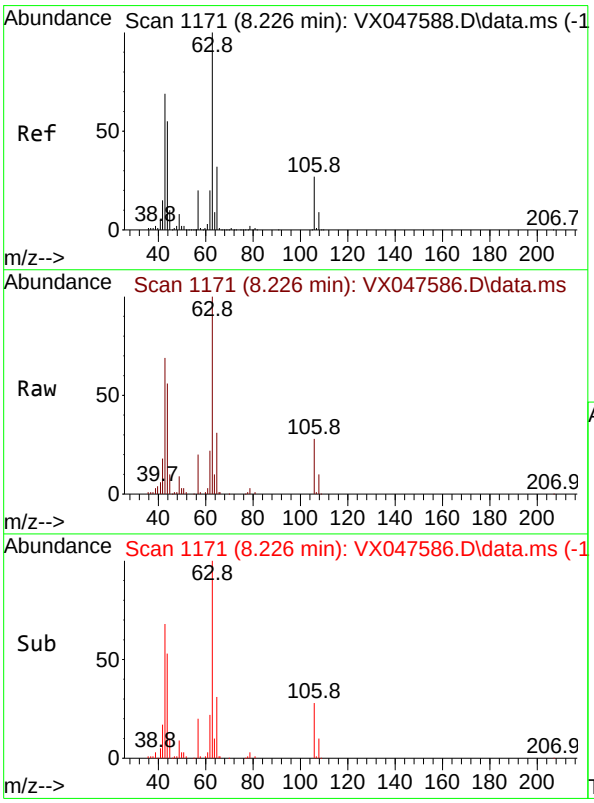
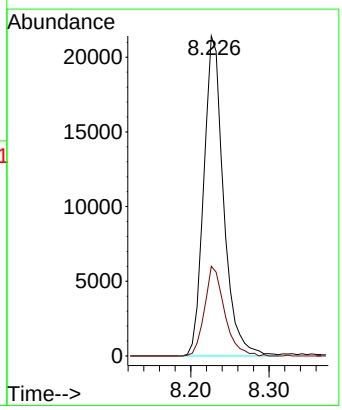


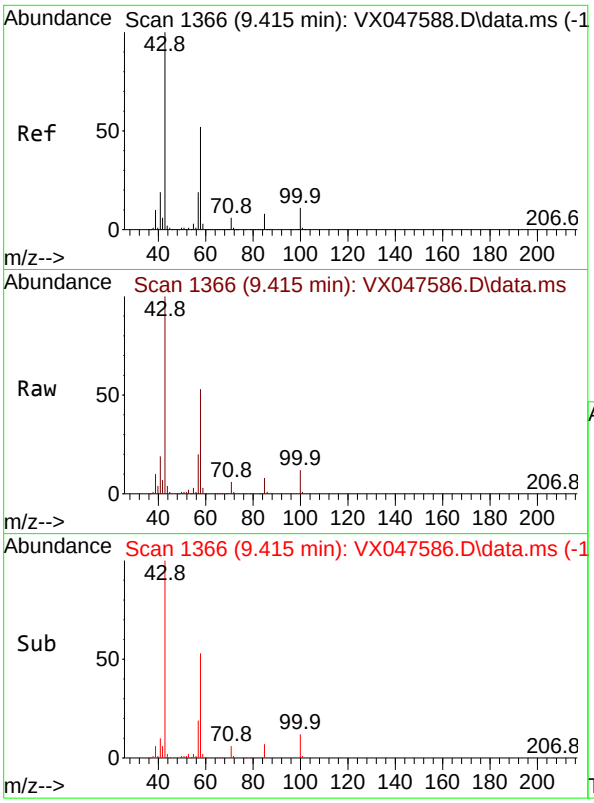


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9





#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 6635

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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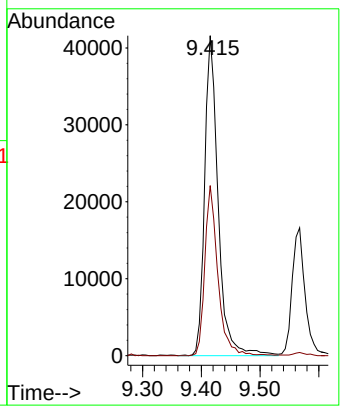
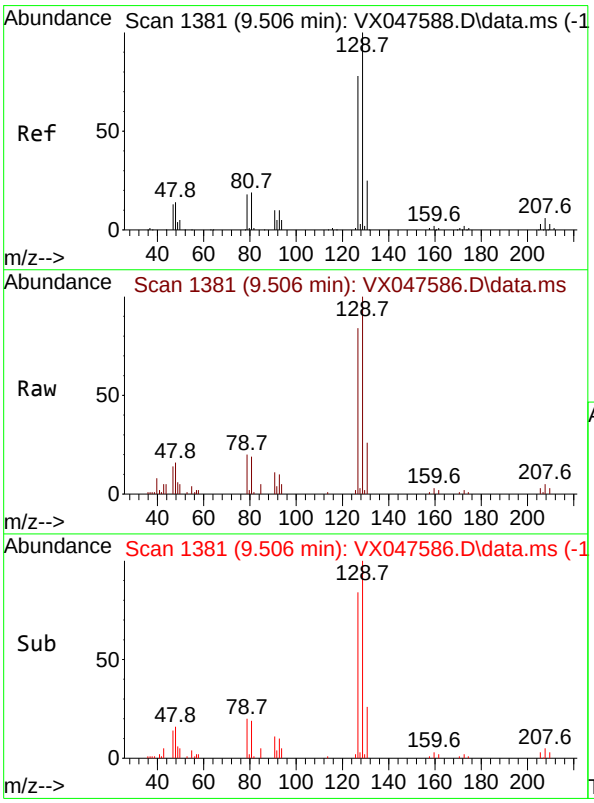
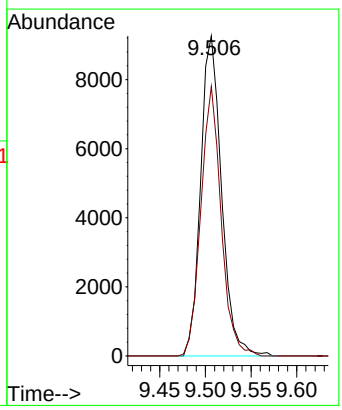


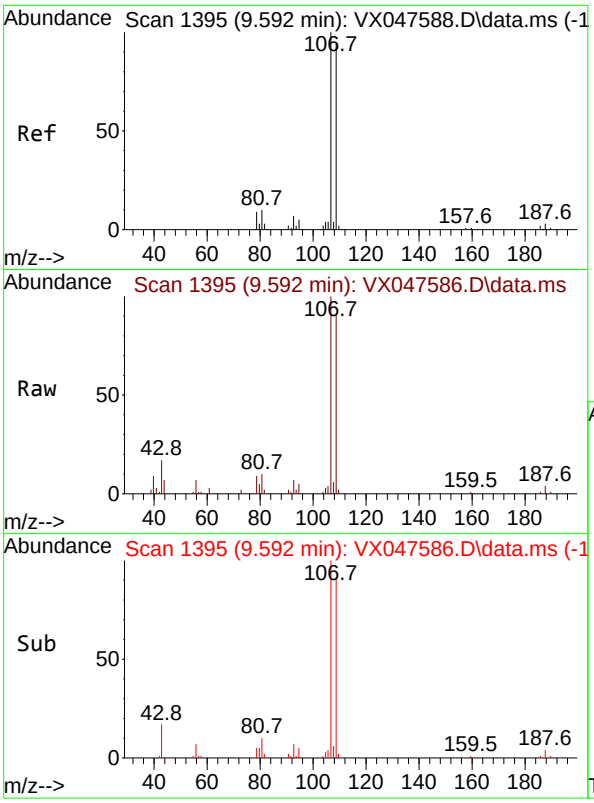


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2





#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:107 Resp: 1346

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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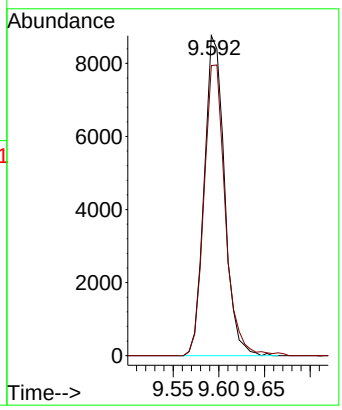
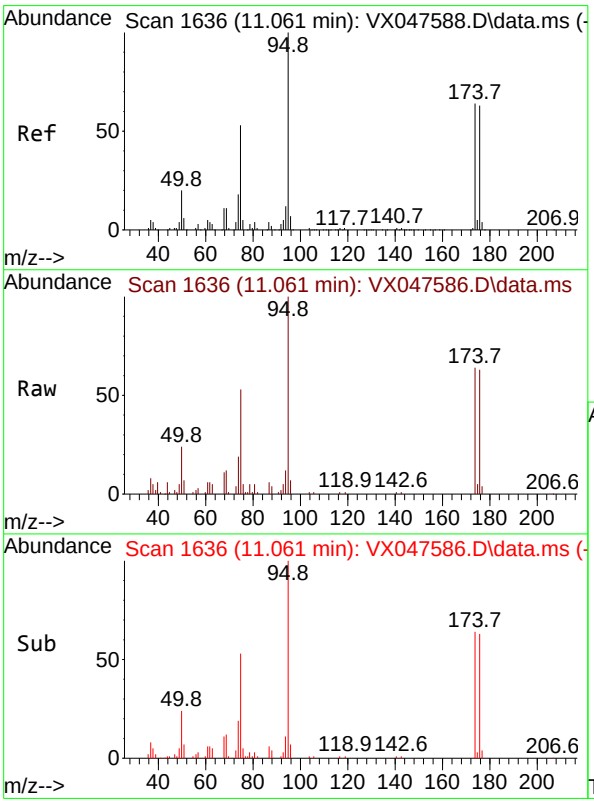
Supervised By :Mahesh Dadoda 09/18/2025

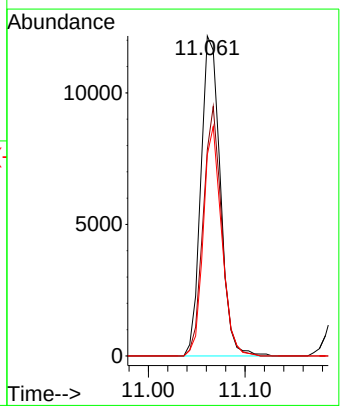


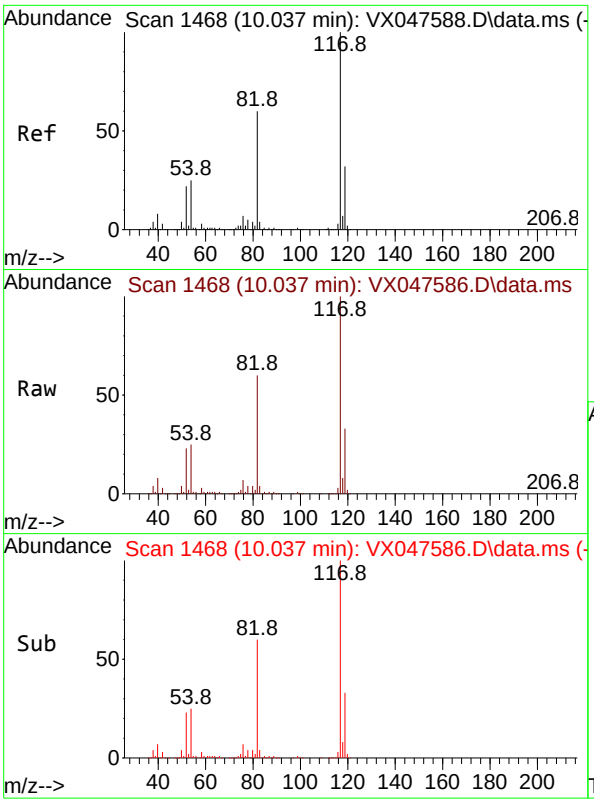


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4

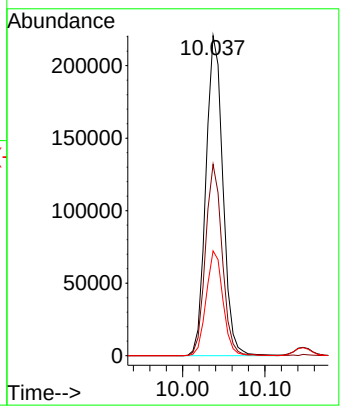




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 31728

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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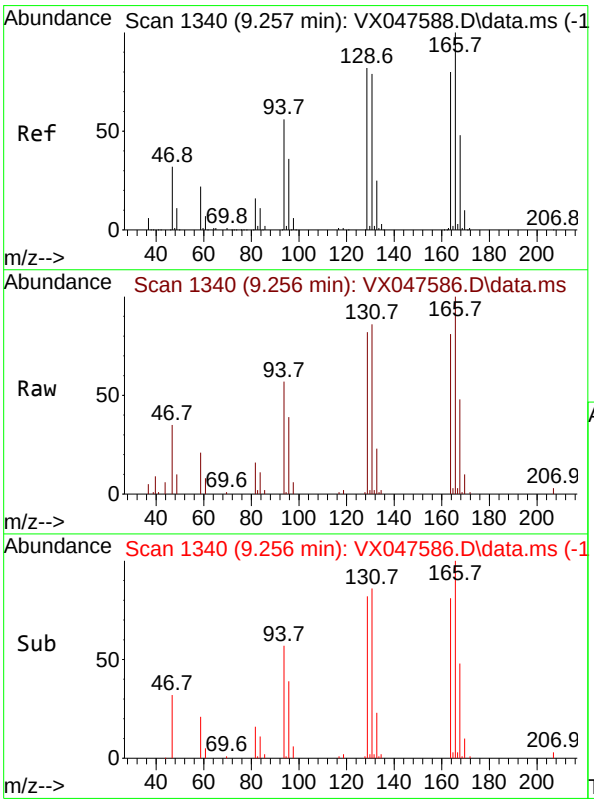
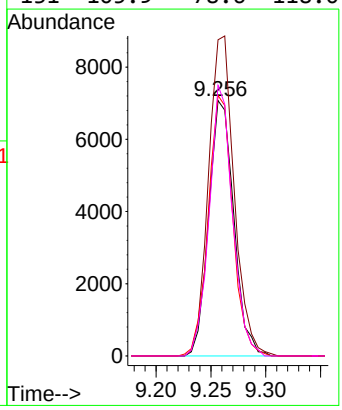
Supervised By :Mahesh Dadoda 09/18/2025

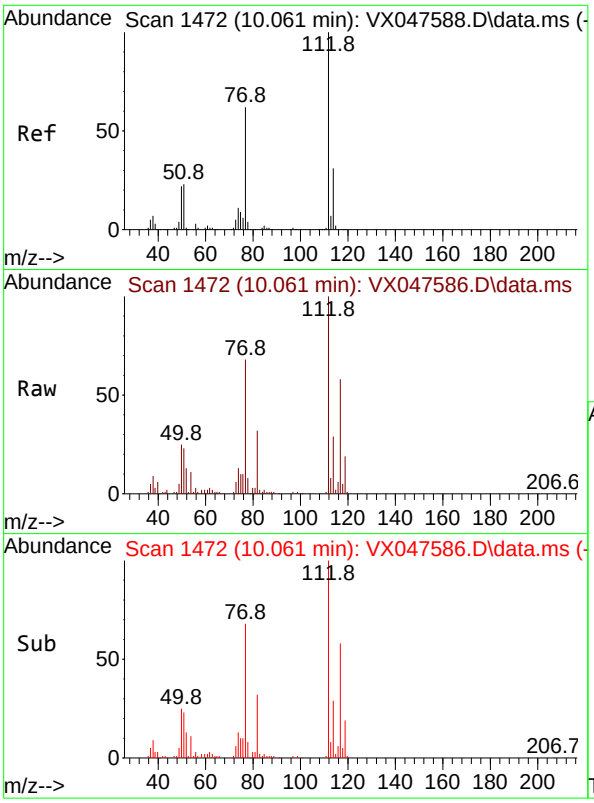


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0

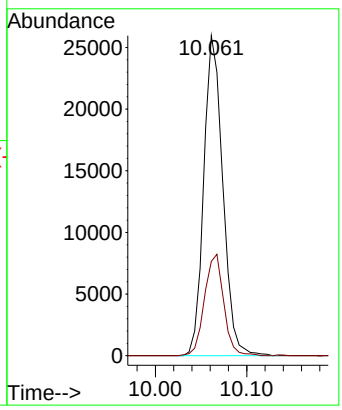




#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:112 Resp: 3750

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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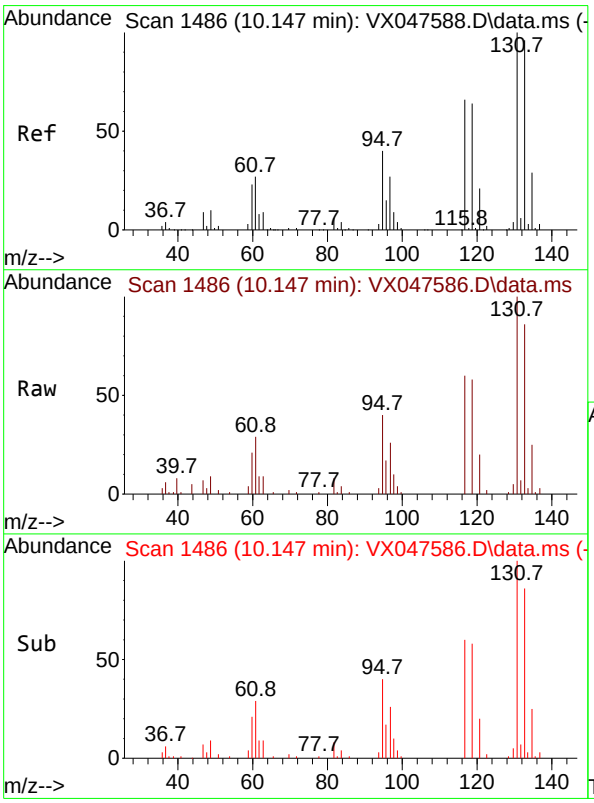
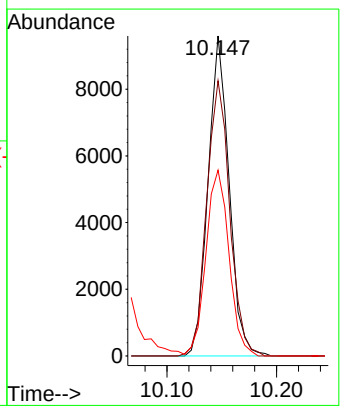
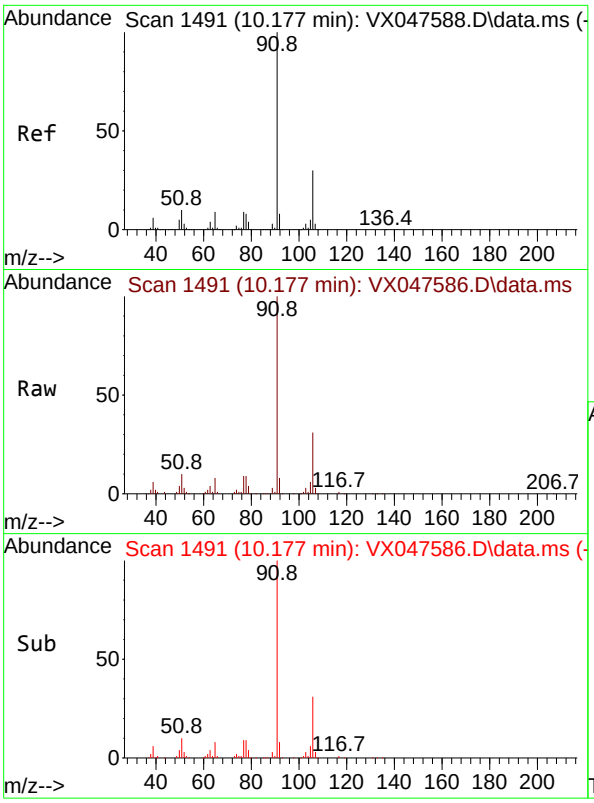


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0

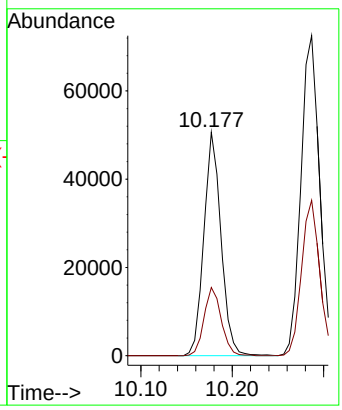




#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 6590

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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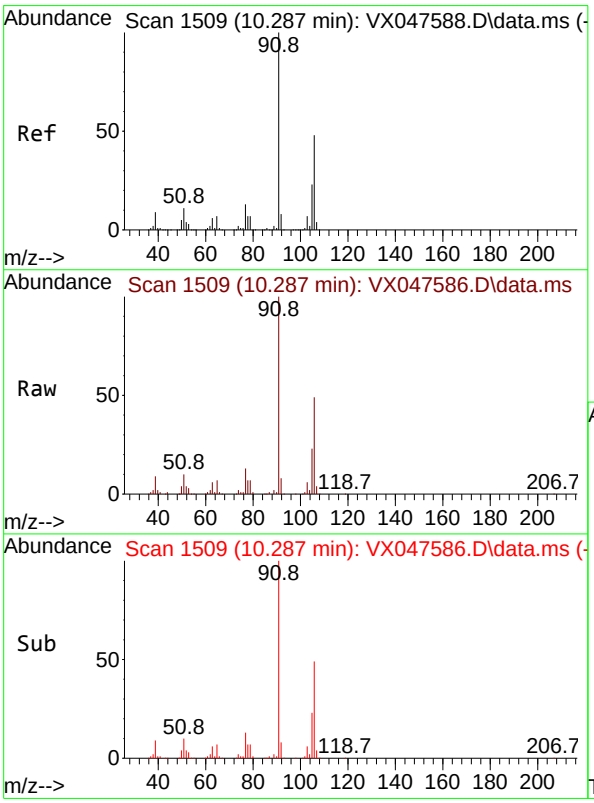
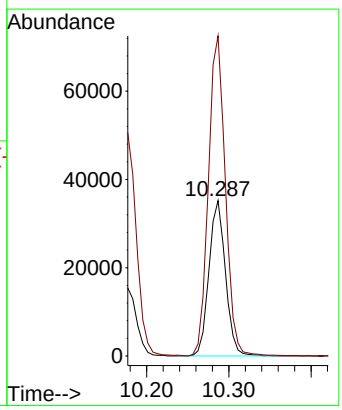
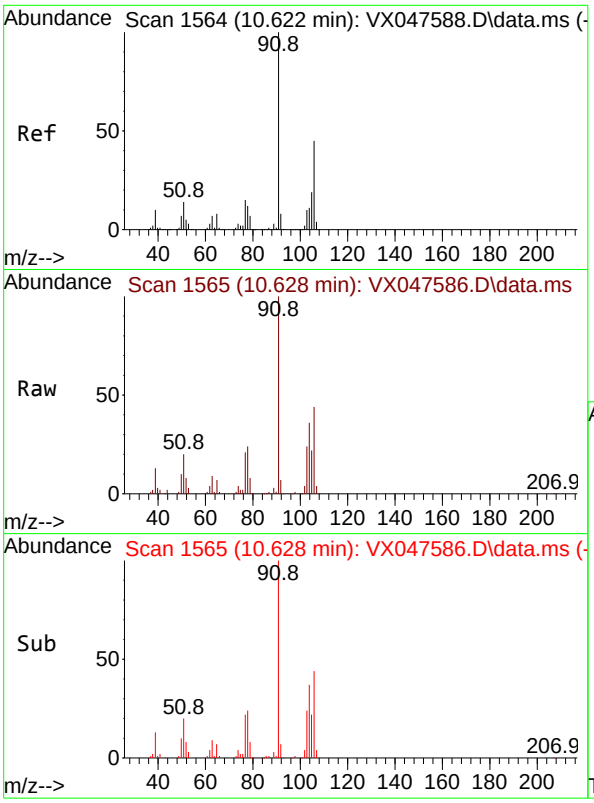


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8

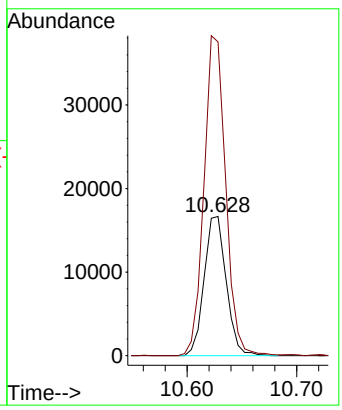




#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 2330

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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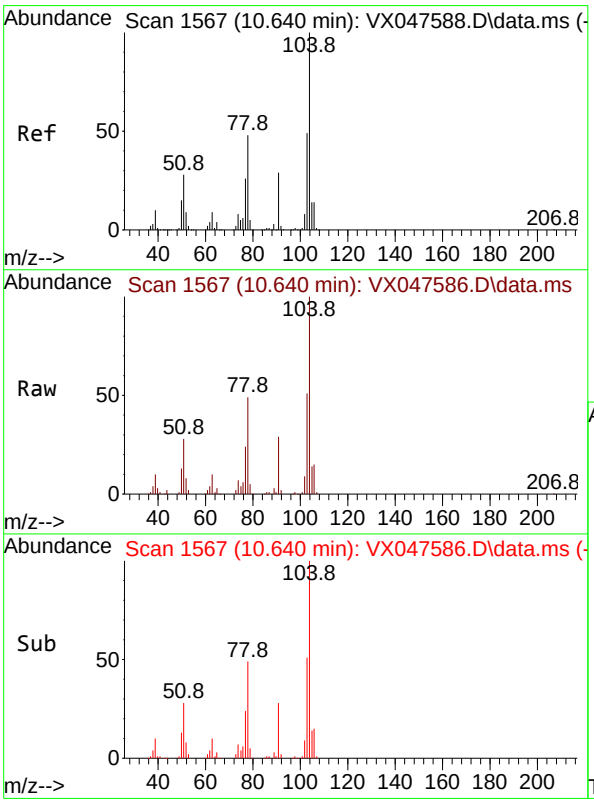
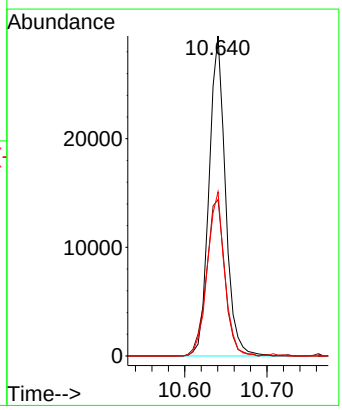
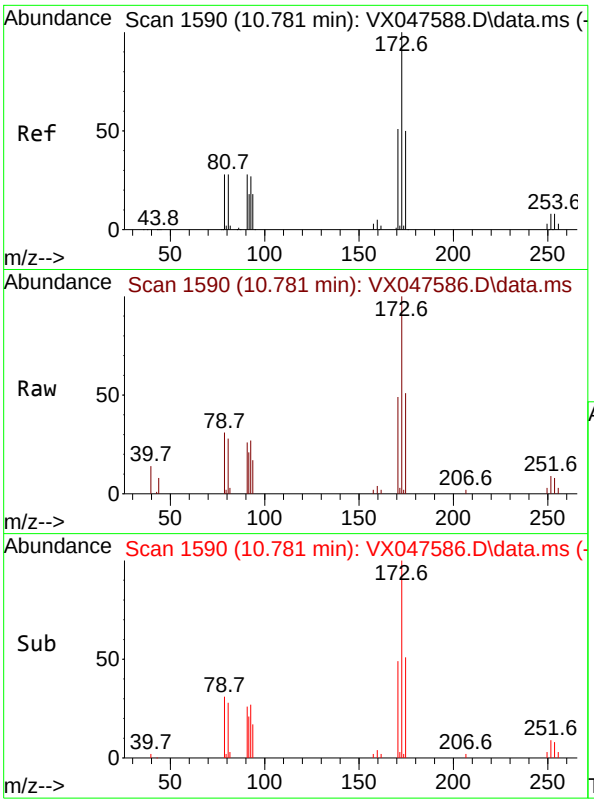


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7

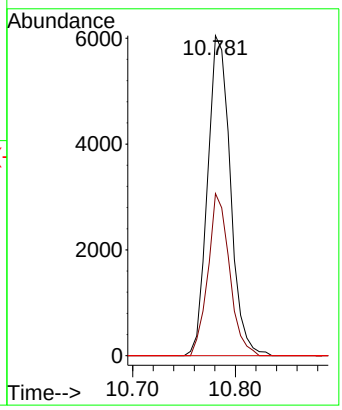




#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:173 Resp: 929

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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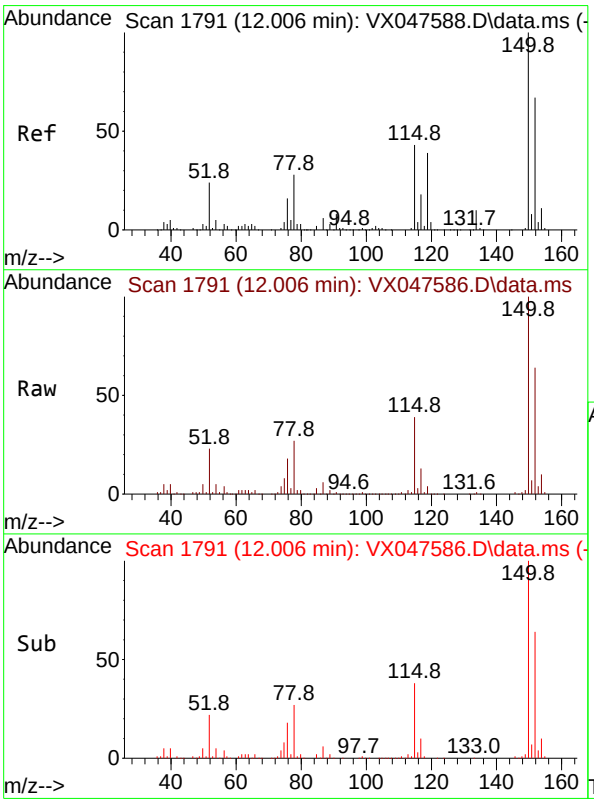
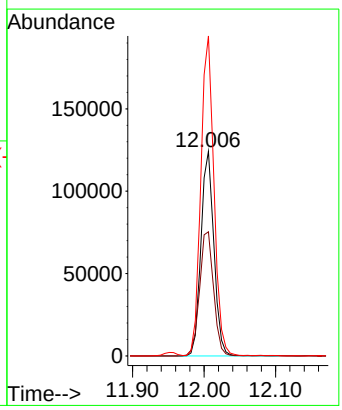
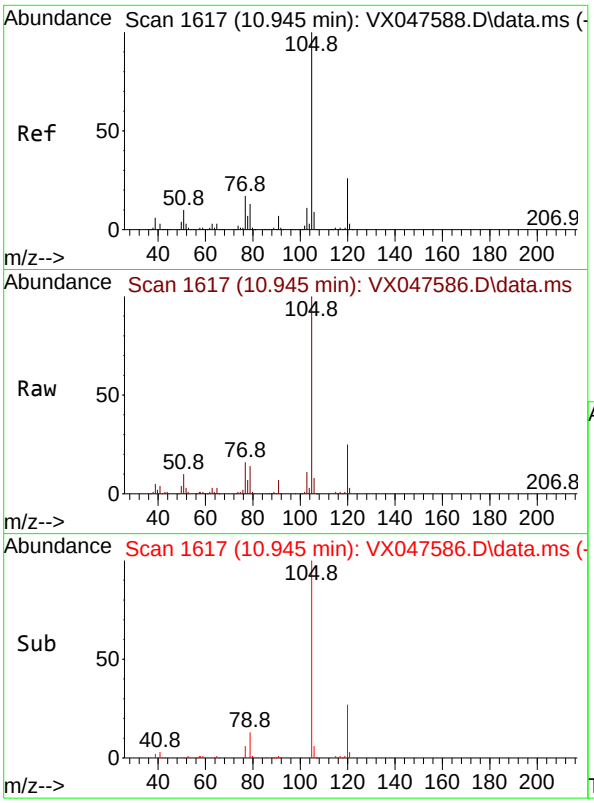


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0

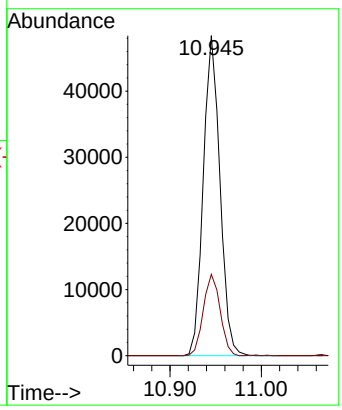




#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6102

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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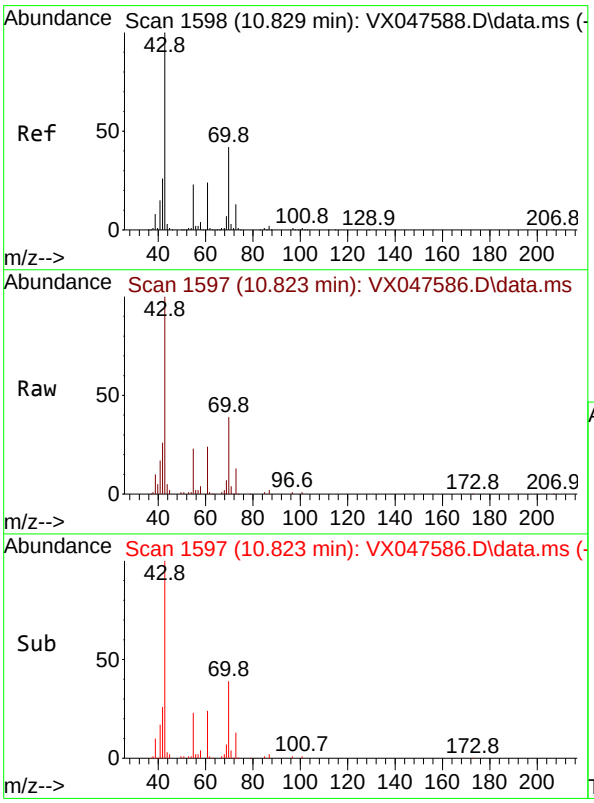
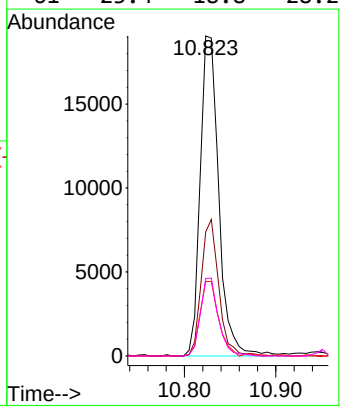
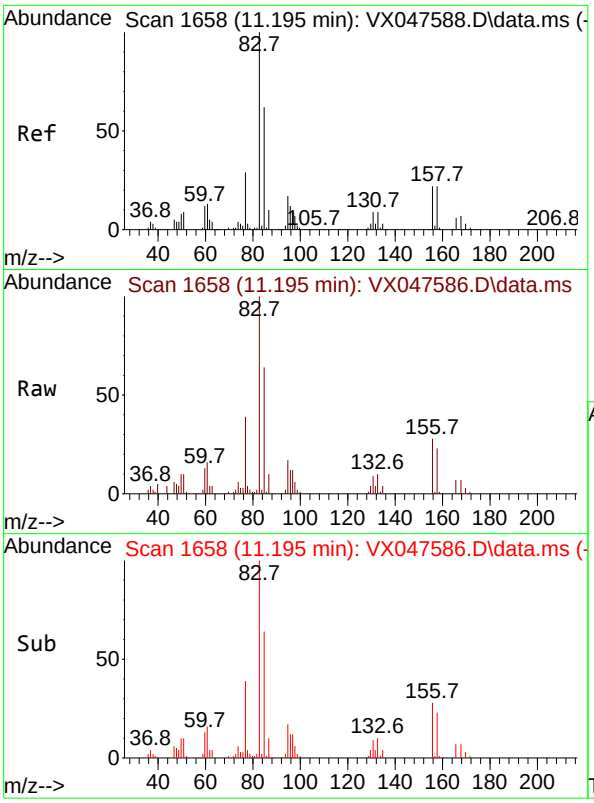


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 1846

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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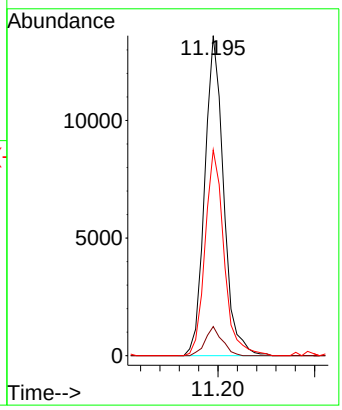
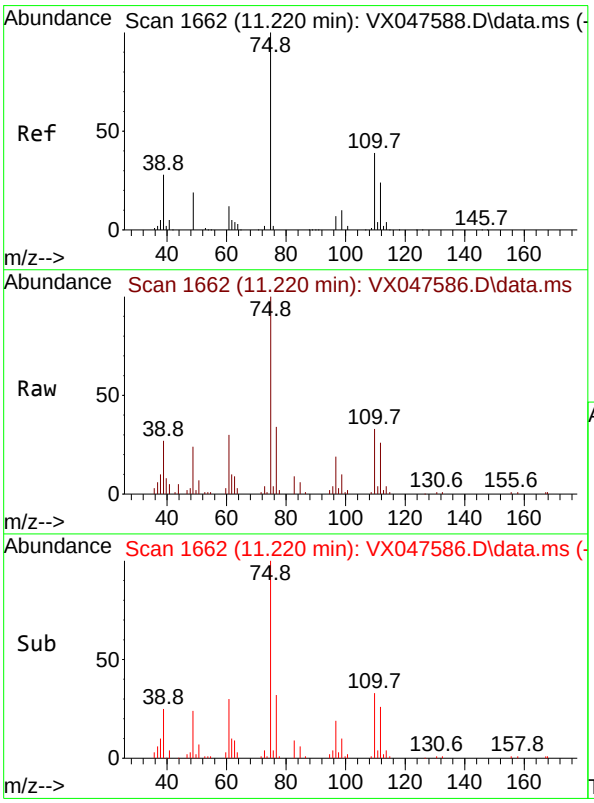
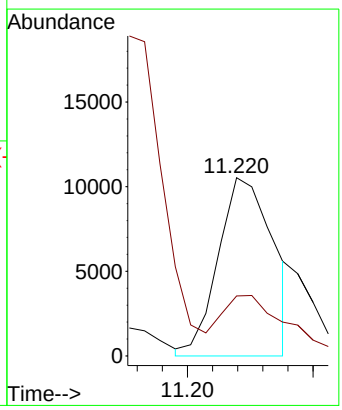


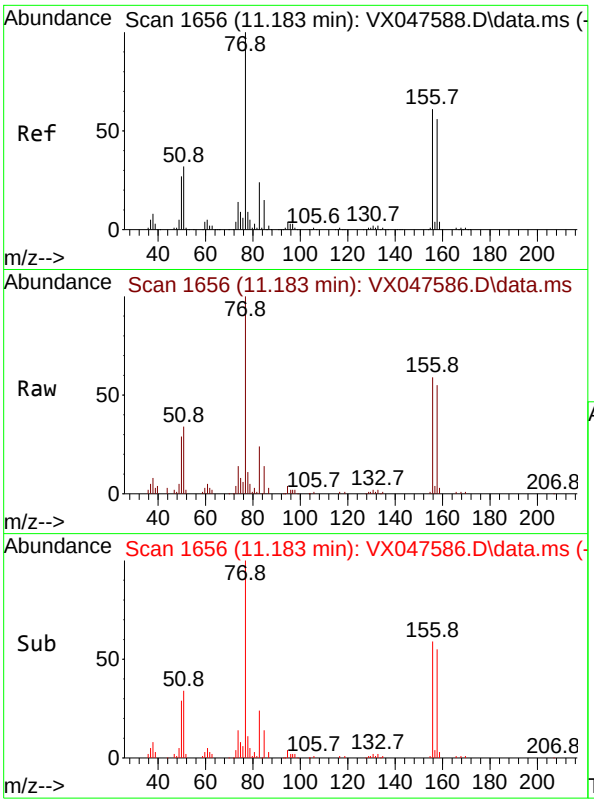


#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982

Ion	Ratio	Lower	Upper
75	100		
77	40.6	18.8	56.4





#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:156 Resp: 1506

Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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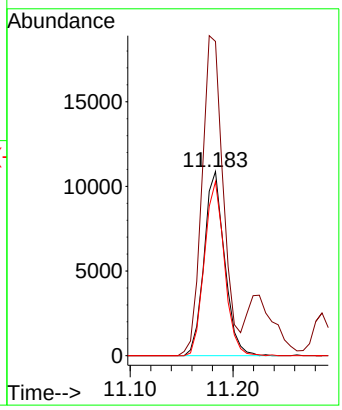
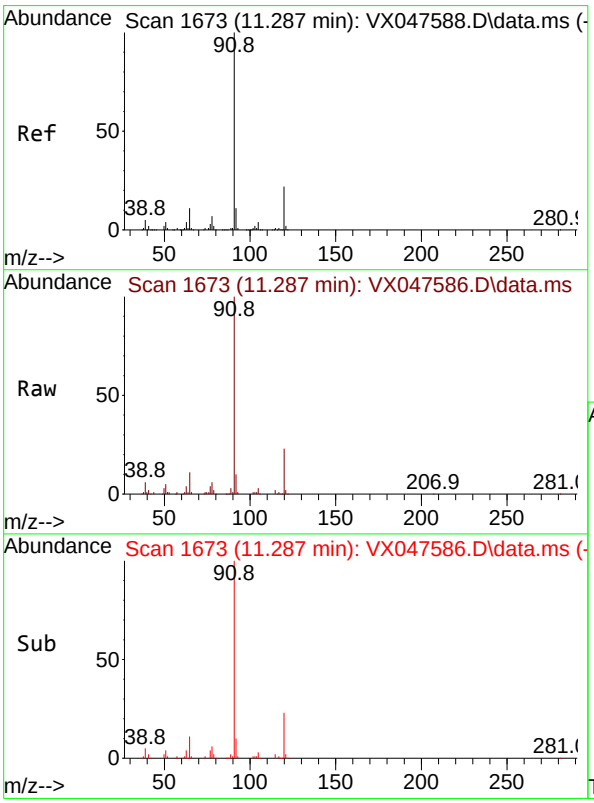
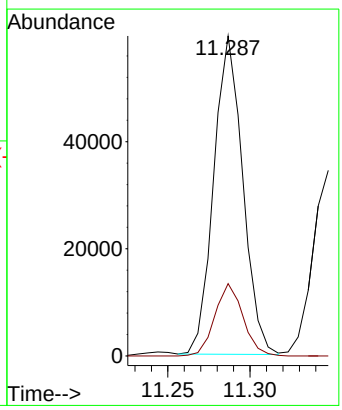


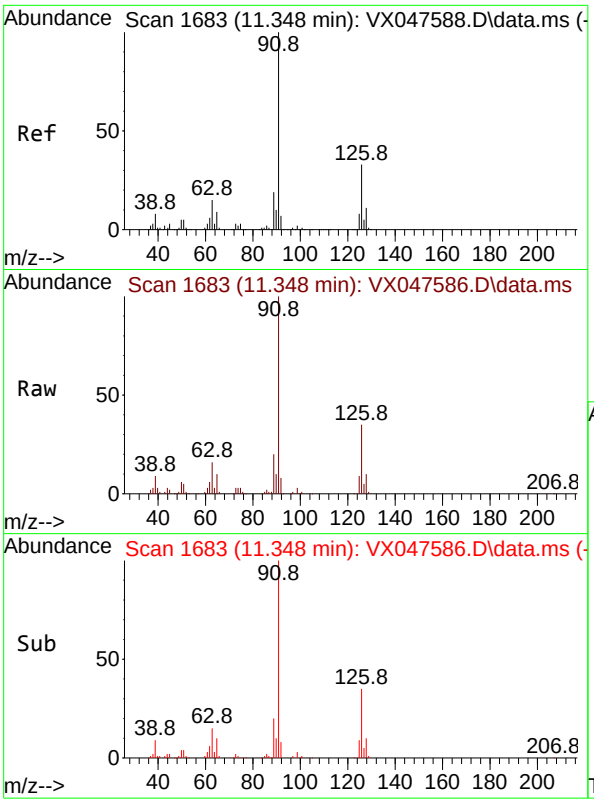


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

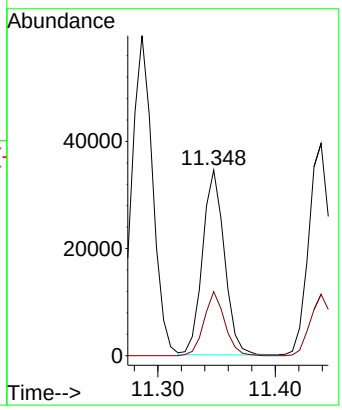




#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4466

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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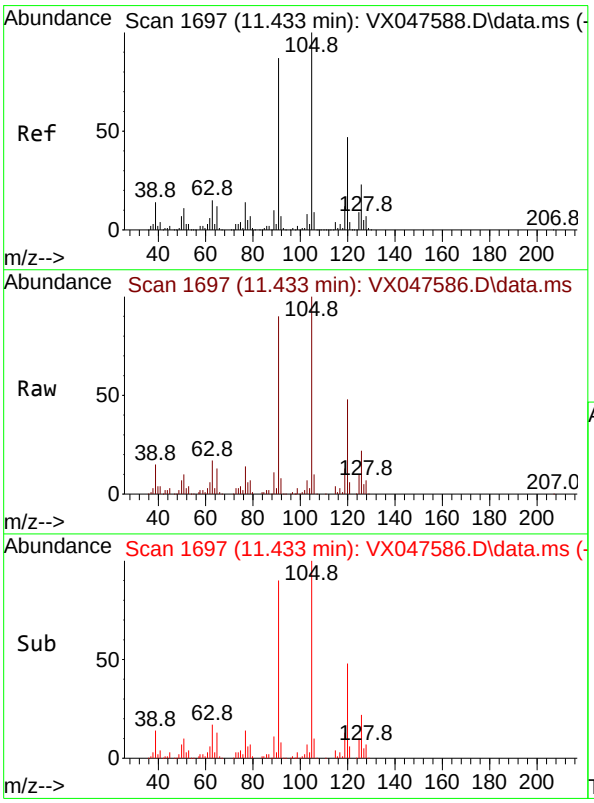
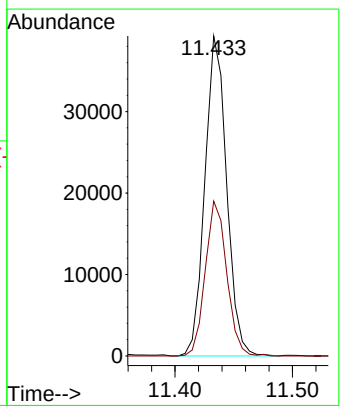
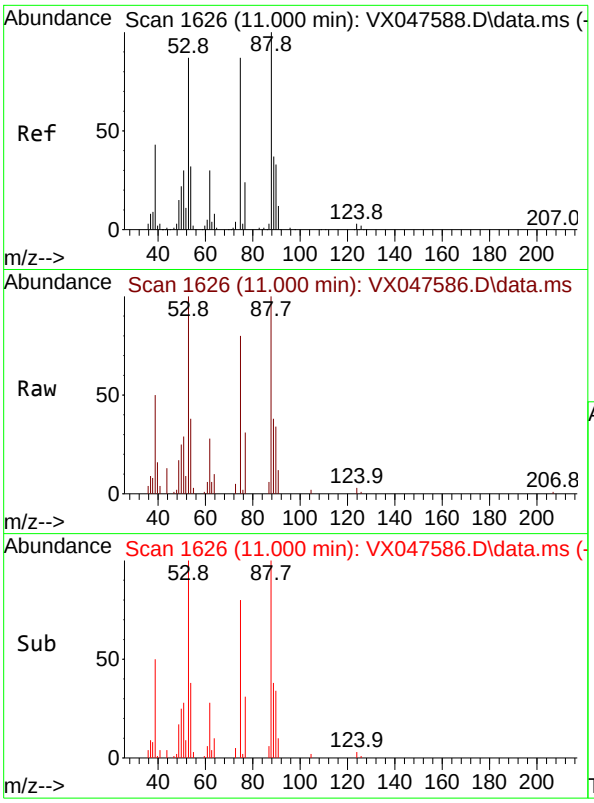


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

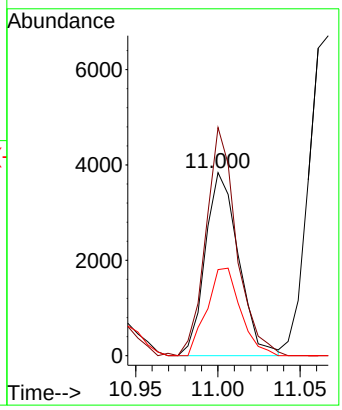
Tgt Ion: 75 Resp: 541

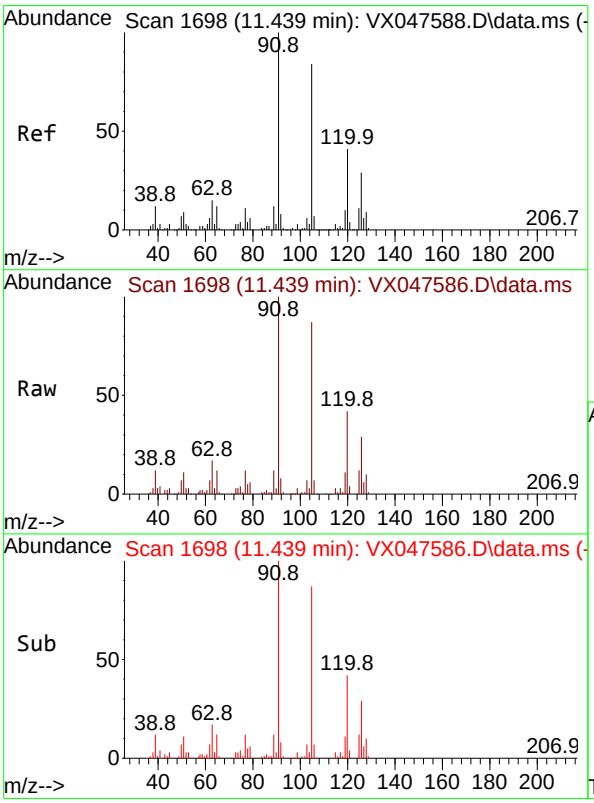
Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

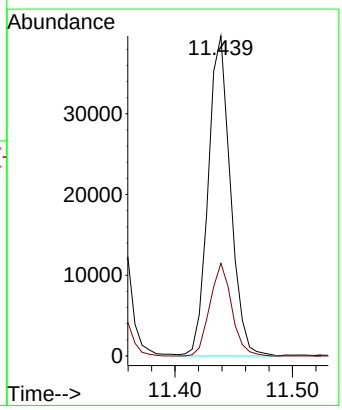


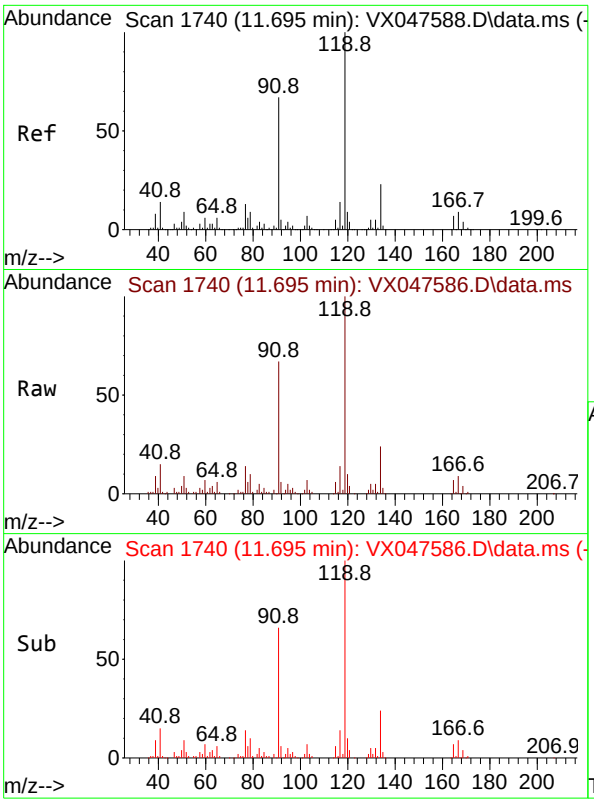


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

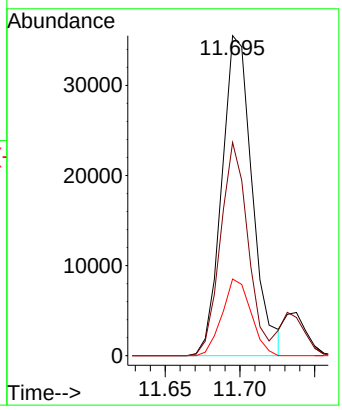




#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 5035

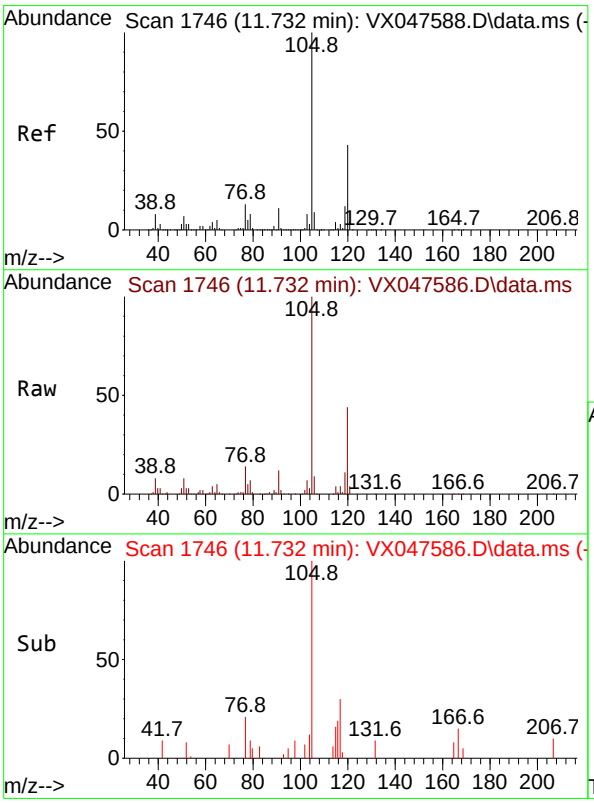
Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

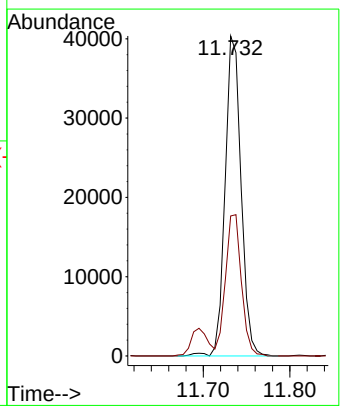
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

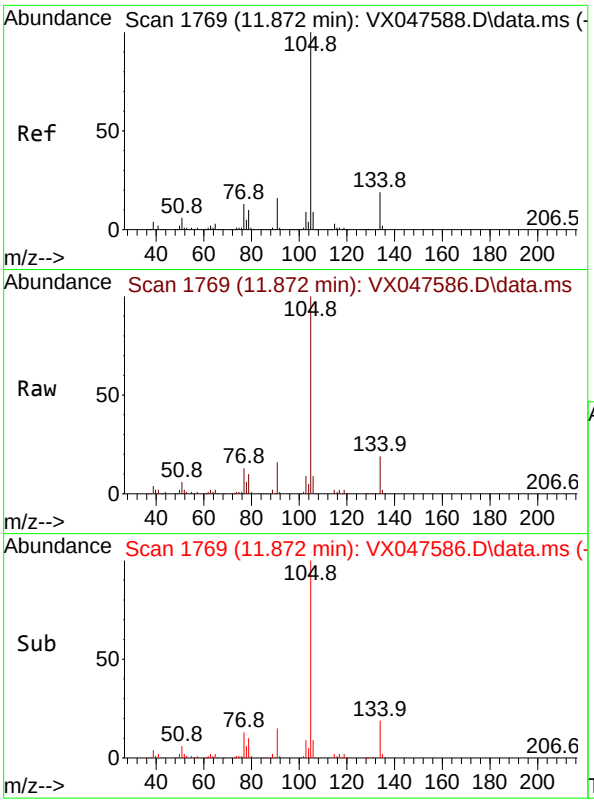


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

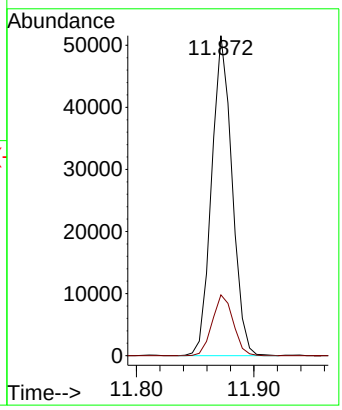




#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6250

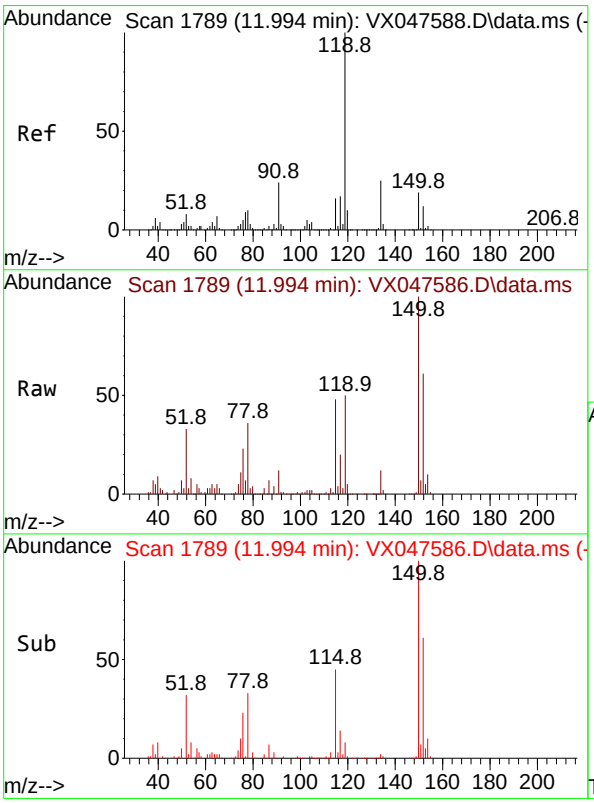
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

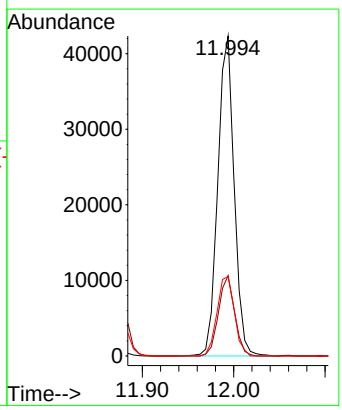
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

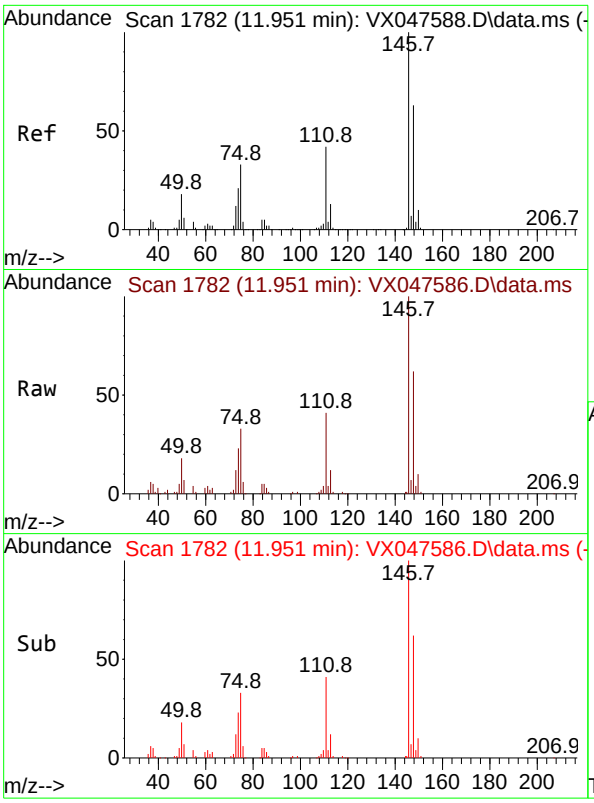


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6

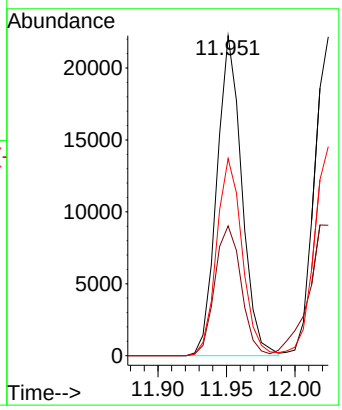




#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2811

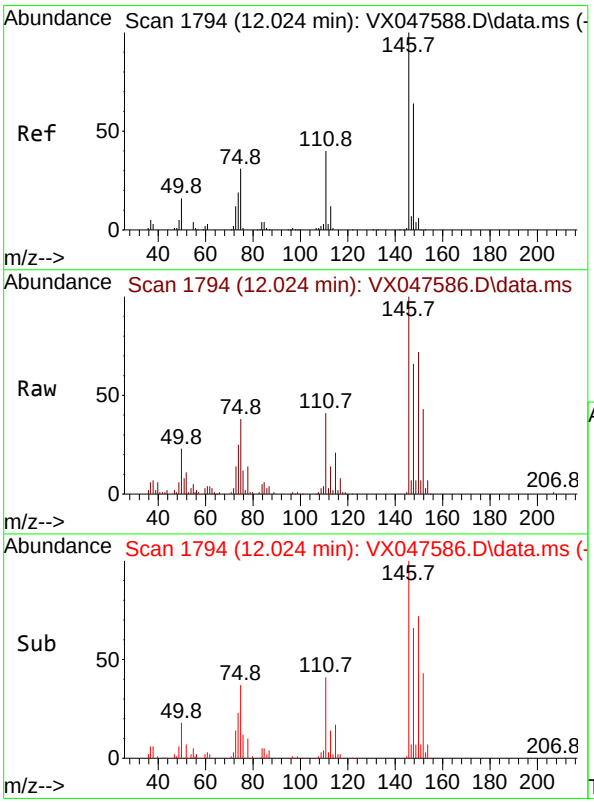
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

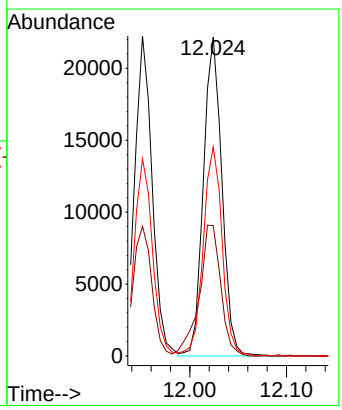
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

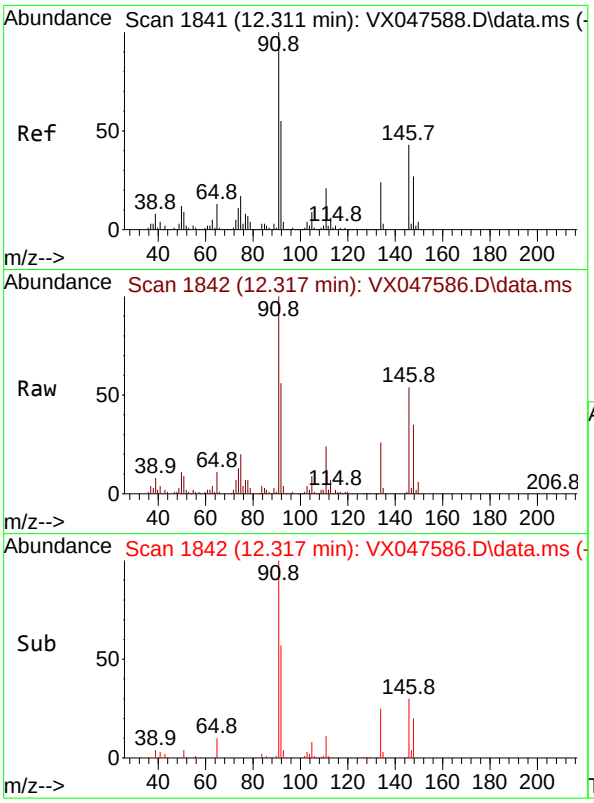


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1





#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

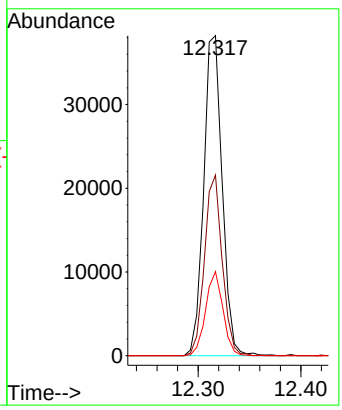
Tgt Ion: 91 Resp: 4795

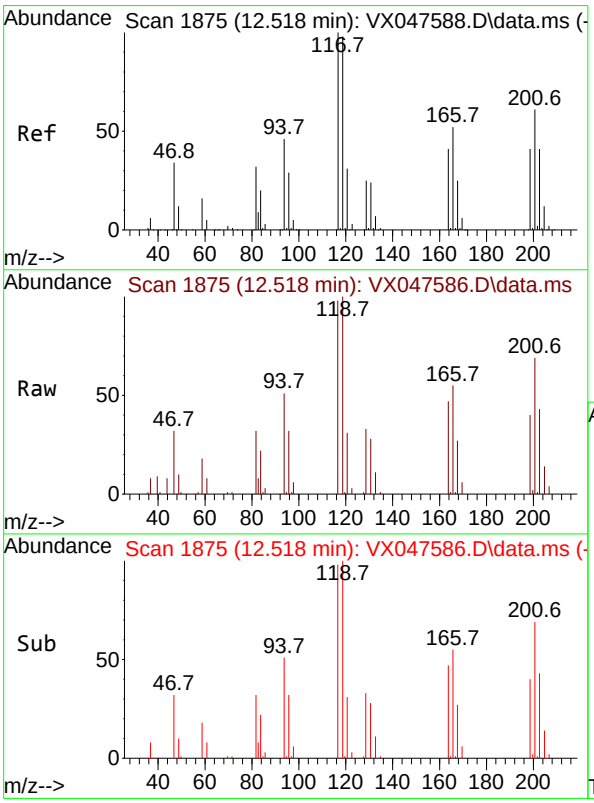
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

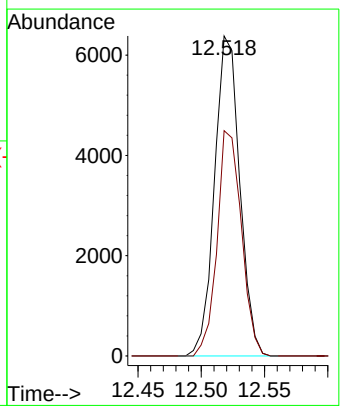


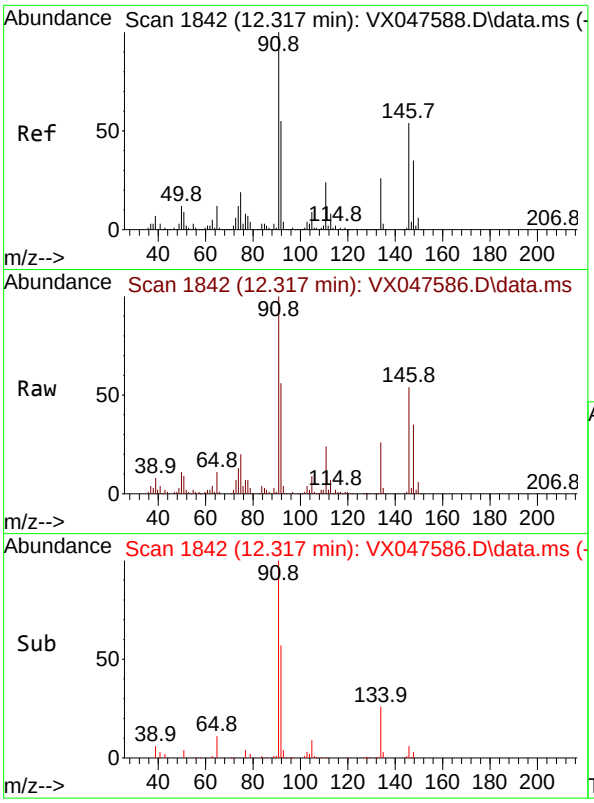


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5

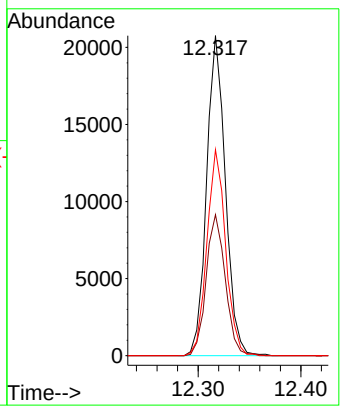




#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2640

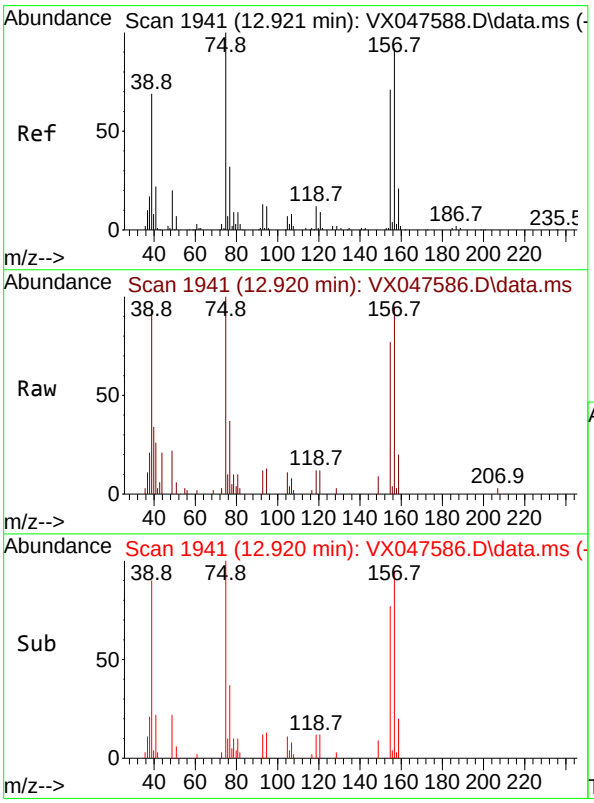
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

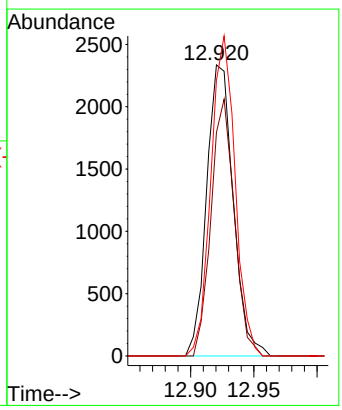
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

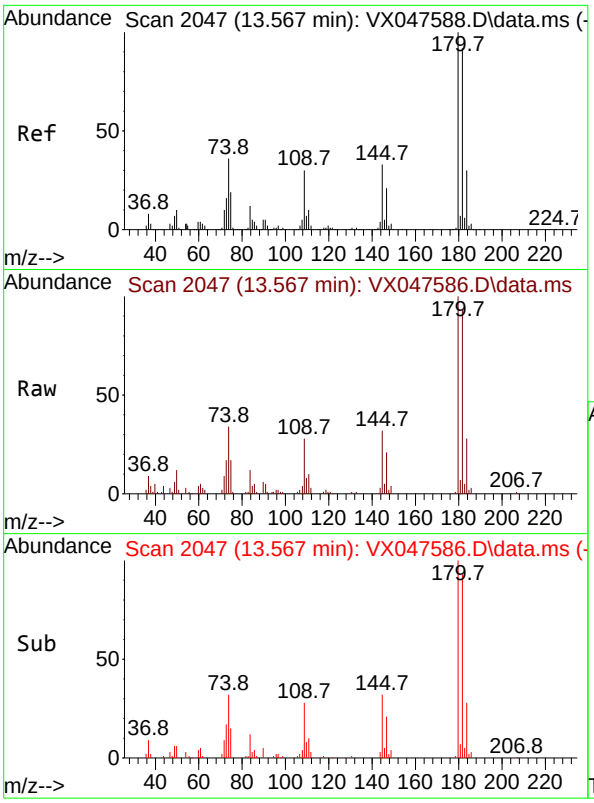


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

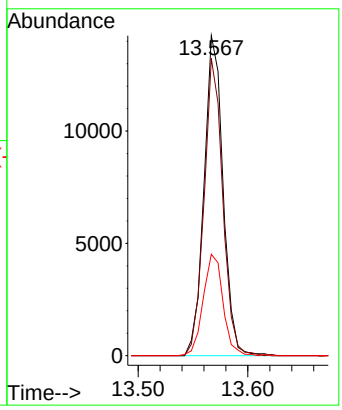
Tgt Ion:180 Resp: 1716

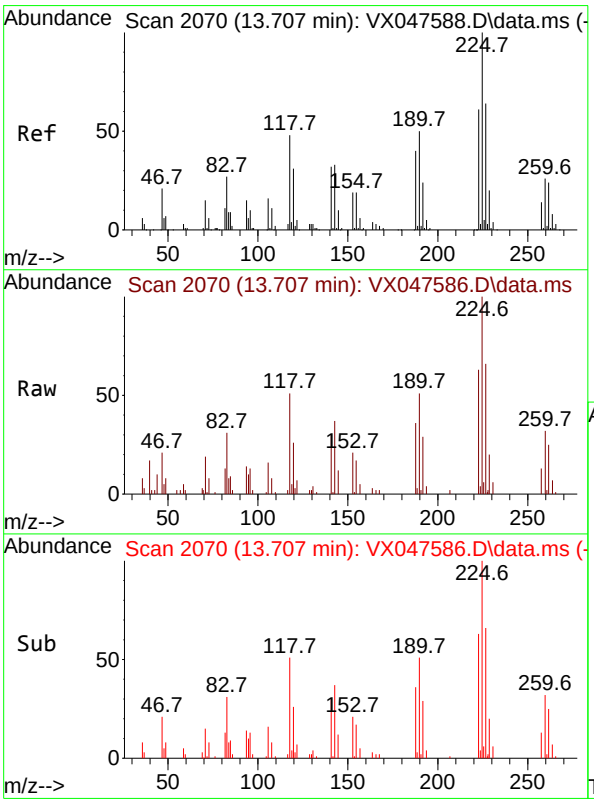
Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

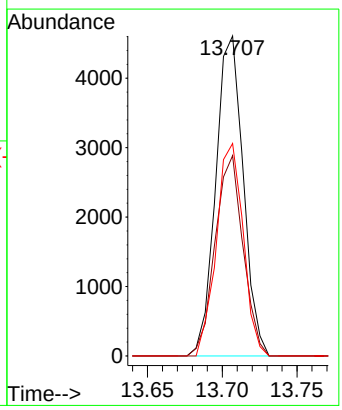


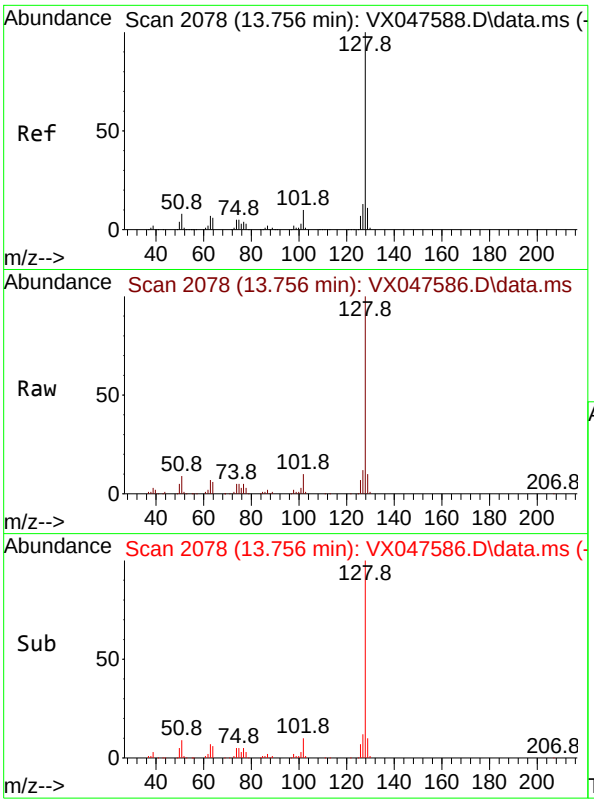


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0

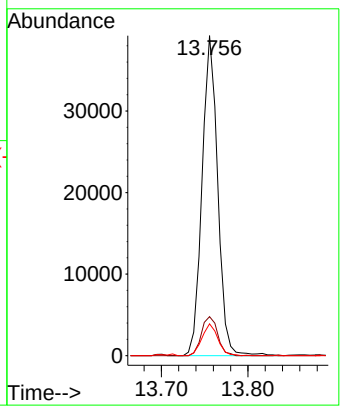




#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:128 Resp: 4925

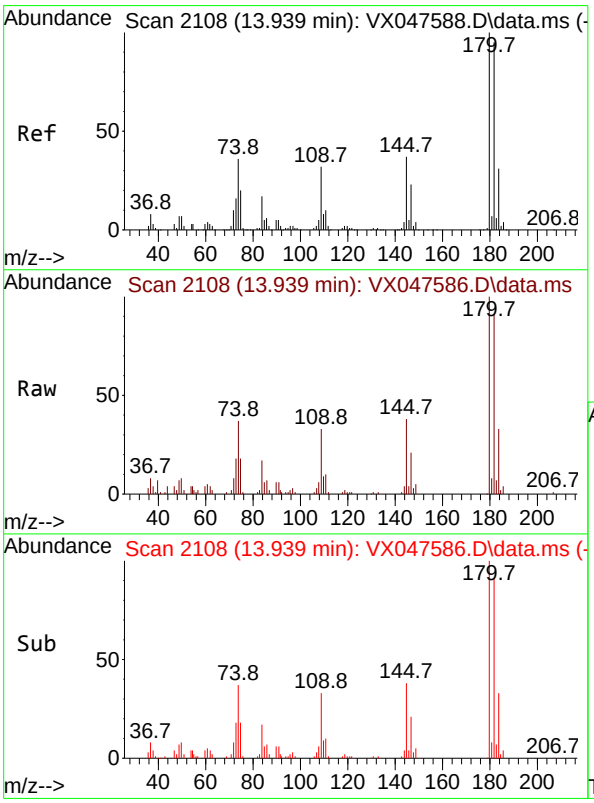
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

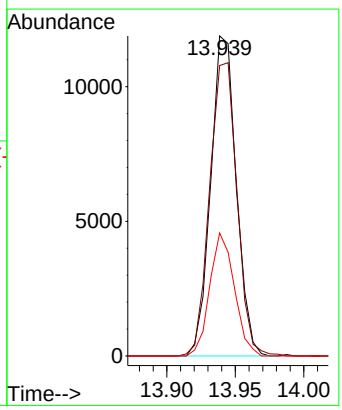
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.520%#		
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	31.740%#		
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.520%#		
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	60797m	20.680	ug/l		
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

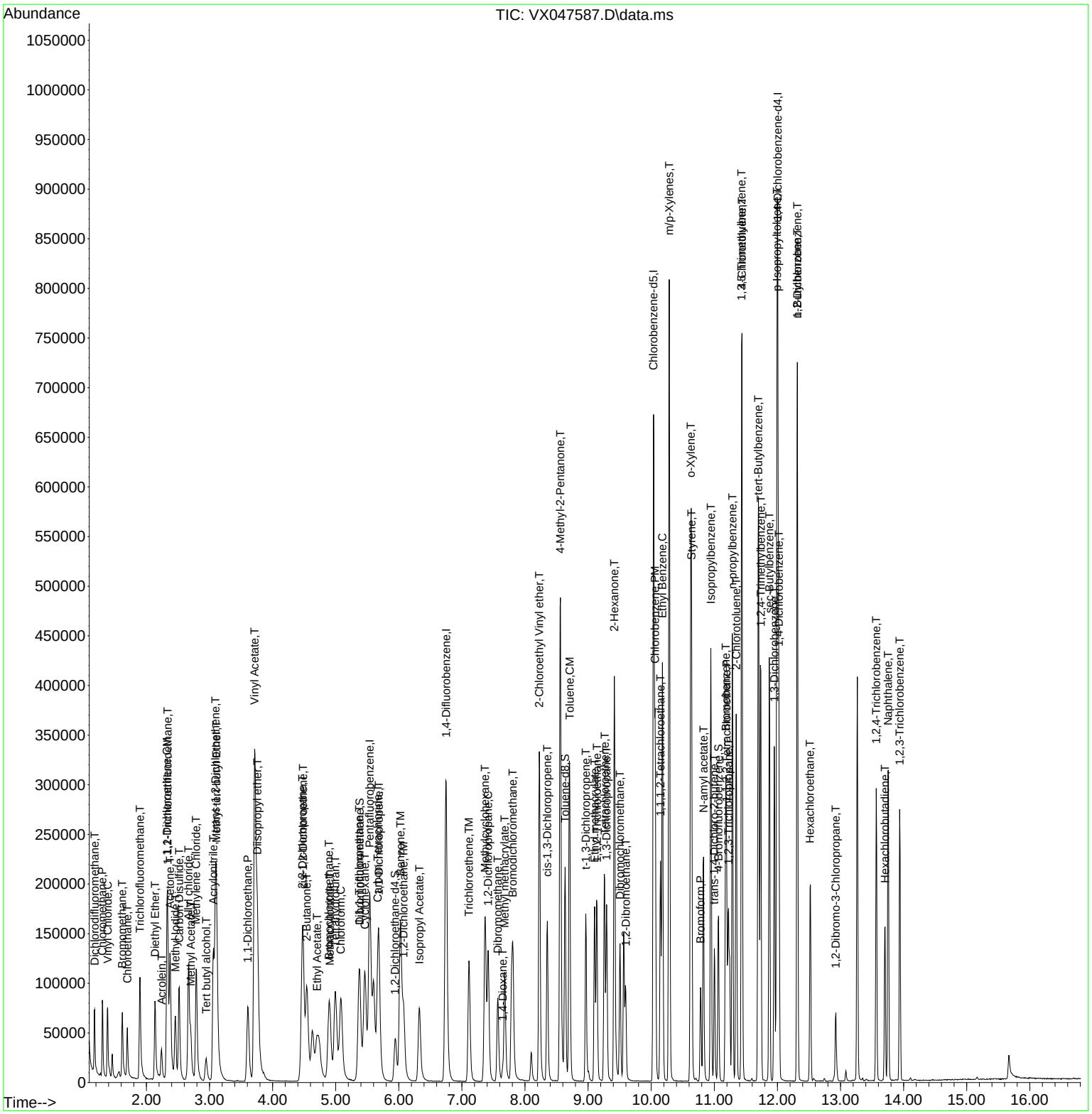
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

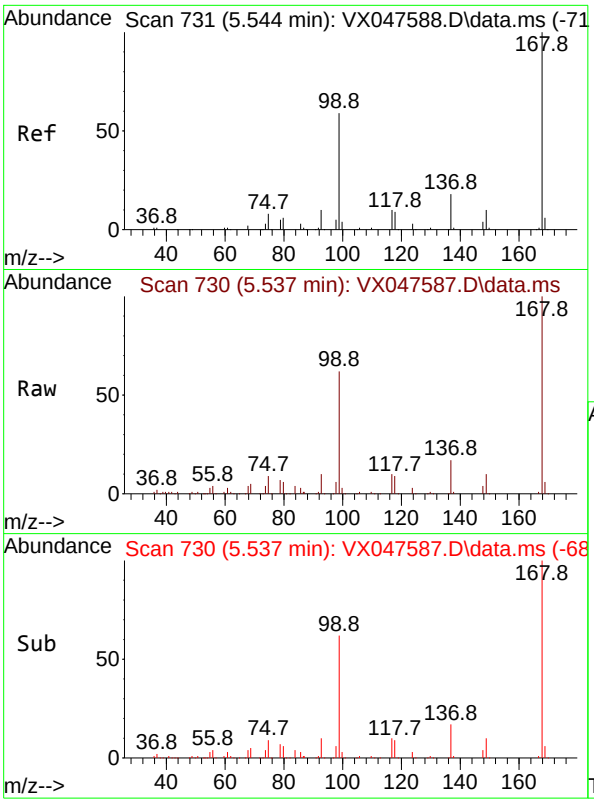
Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

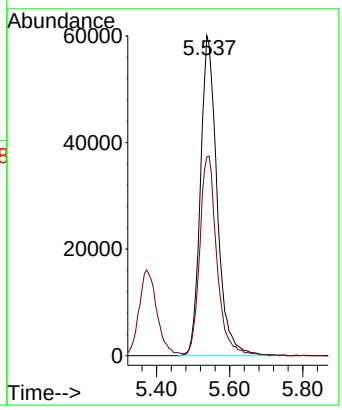




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:168 Resp: 18955

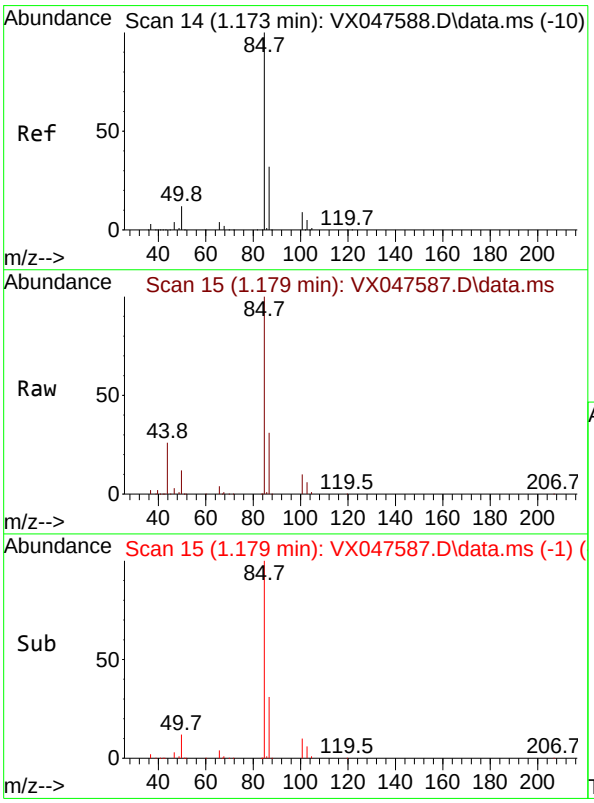
Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

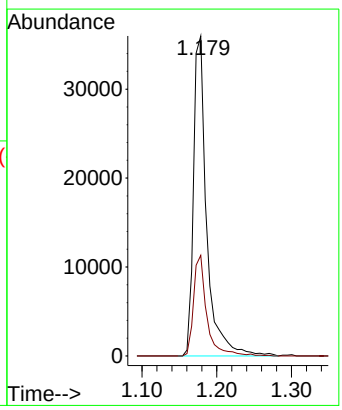
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

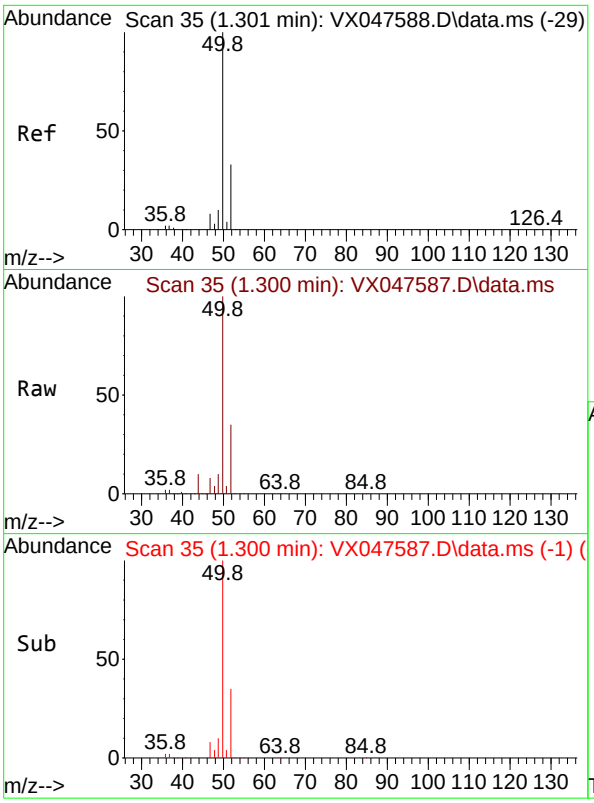


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

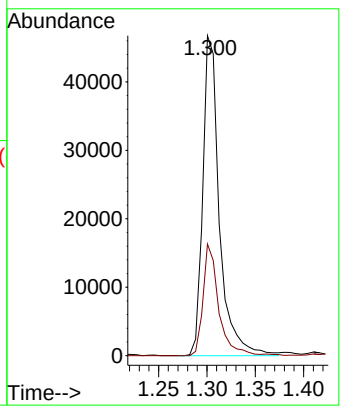




#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 50 Resp: 5602

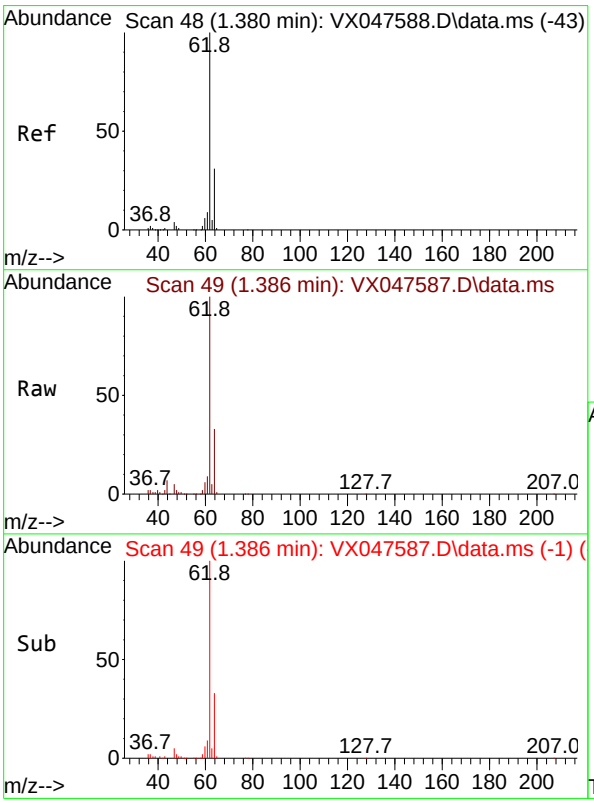
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

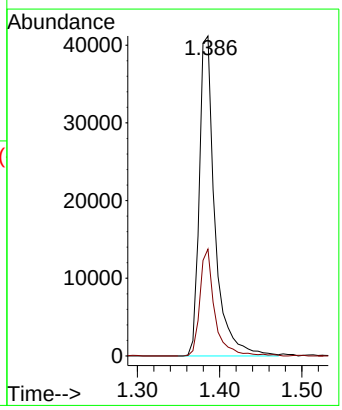
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

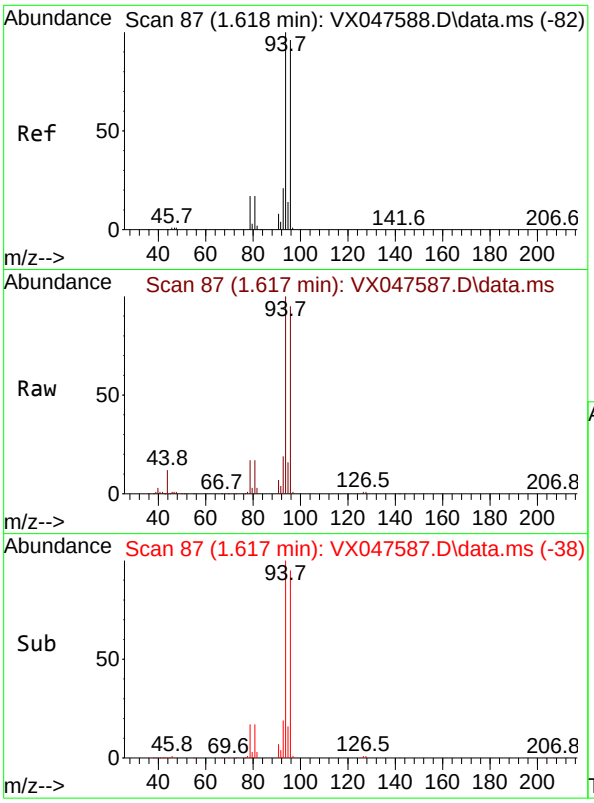


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3

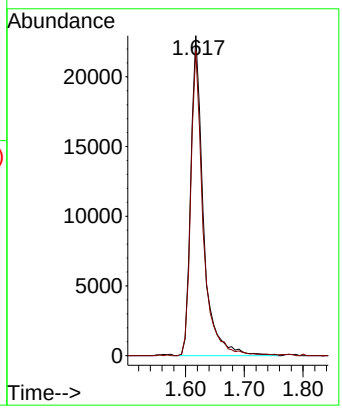




#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 94 Resp: 3419

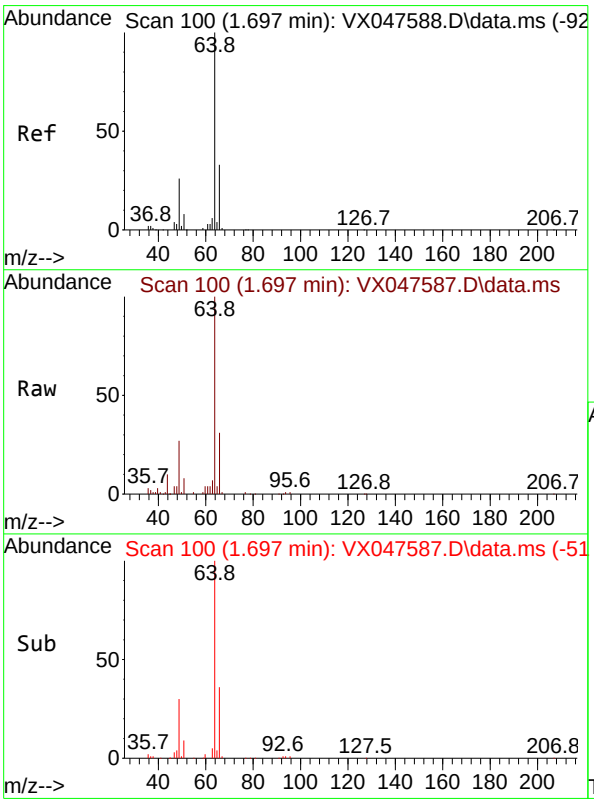
Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

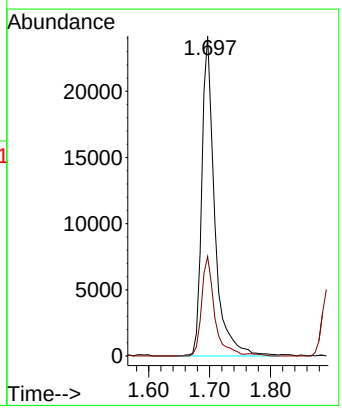
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

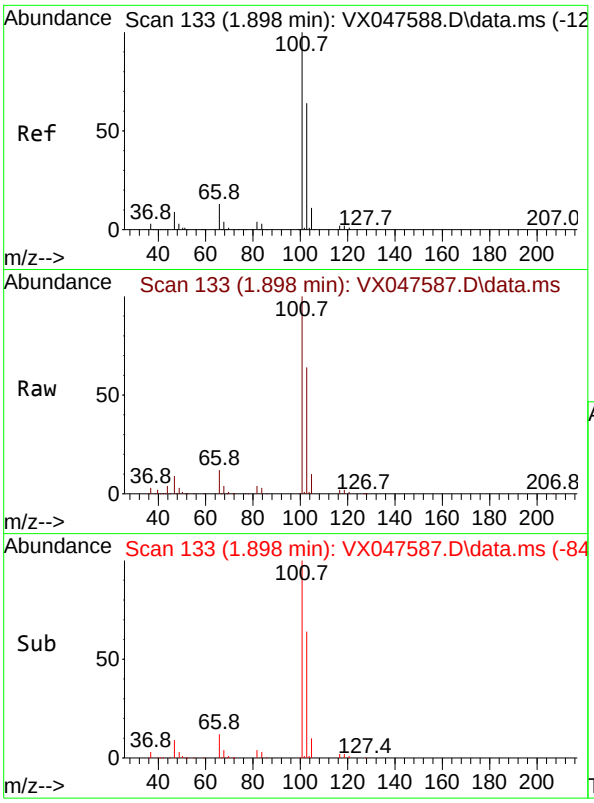


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1

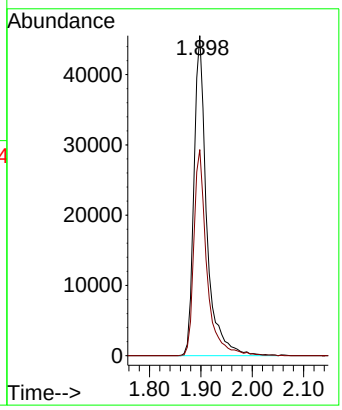




#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 7866

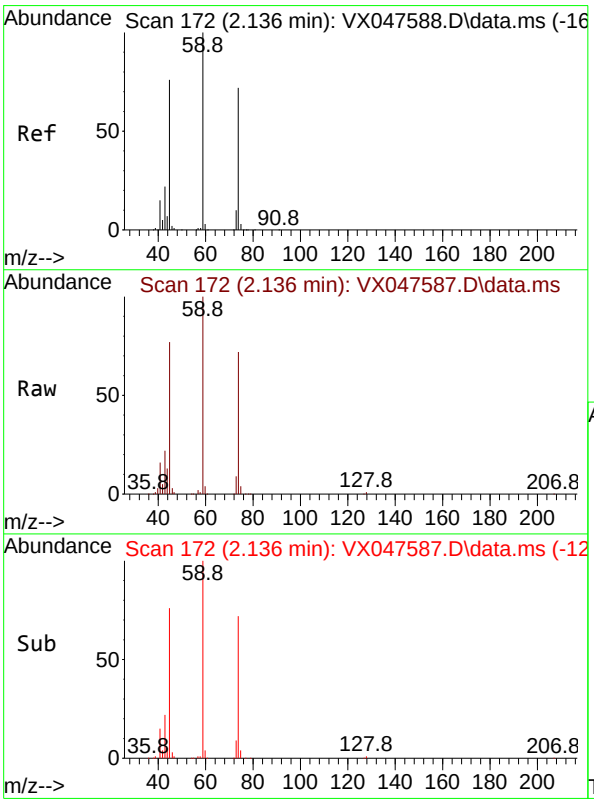
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

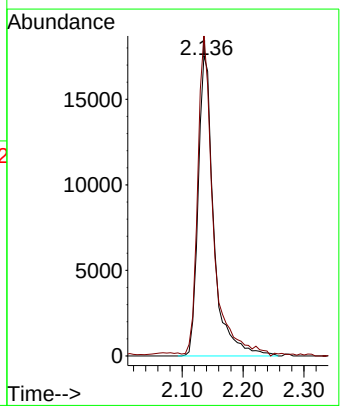
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

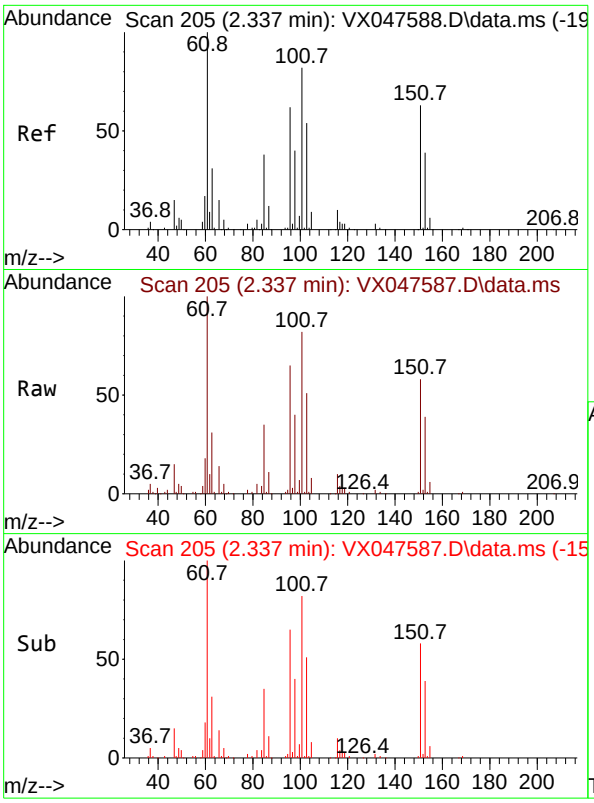


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8

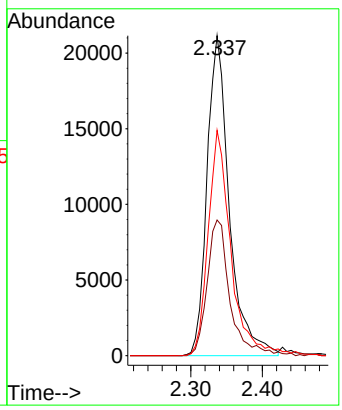




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 4573

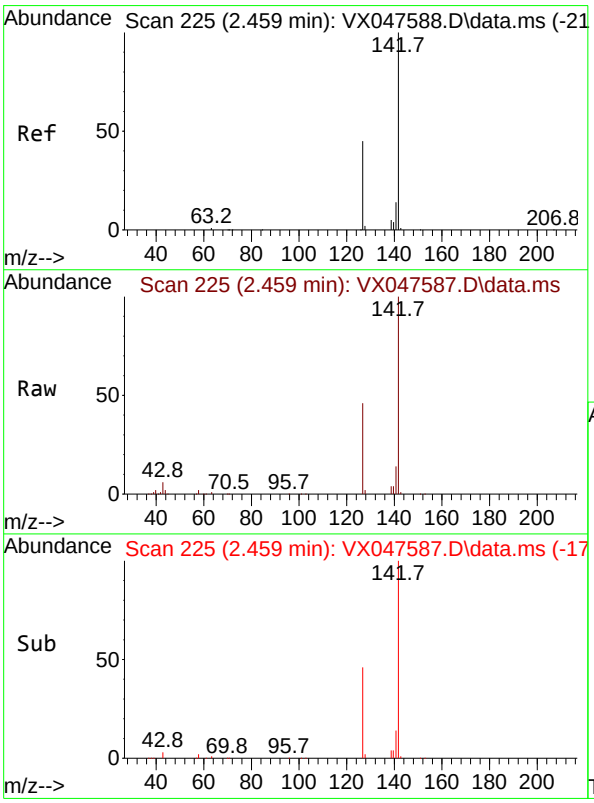
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

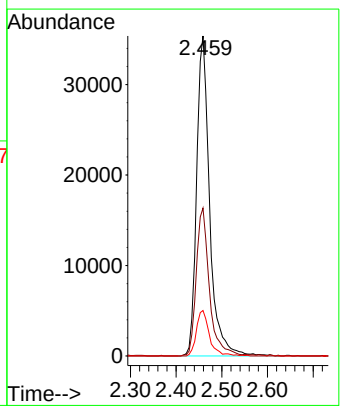
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

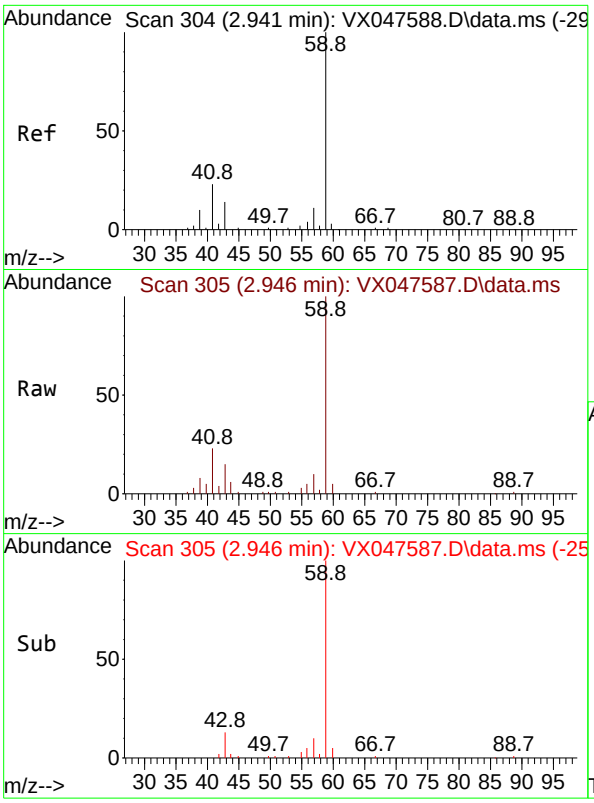


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0

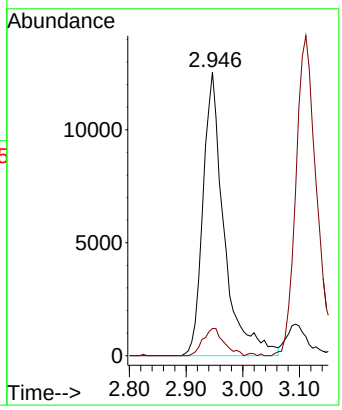




#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 59 Resp: 3245

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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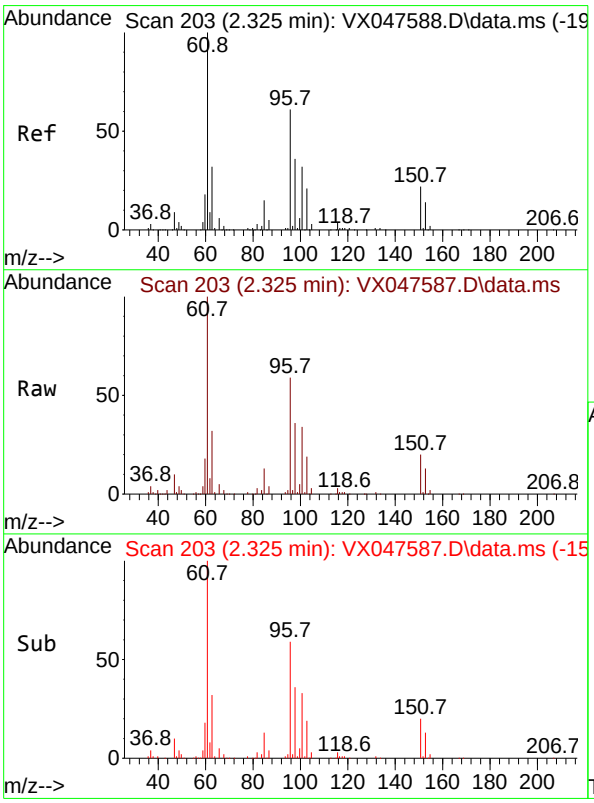
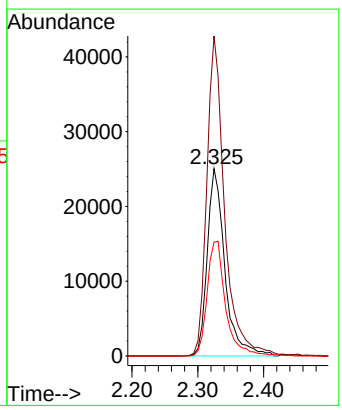
Supervised By :Mahesh Dadoda 09/18/2025

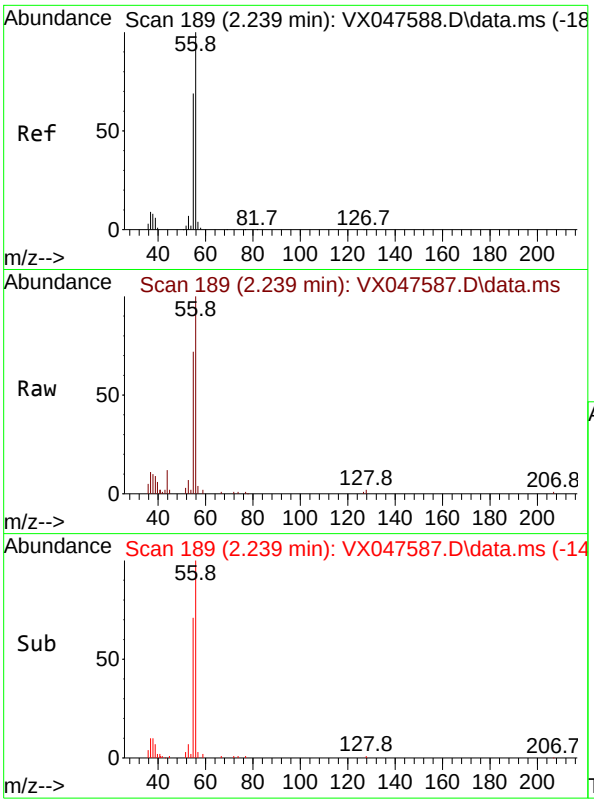


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5

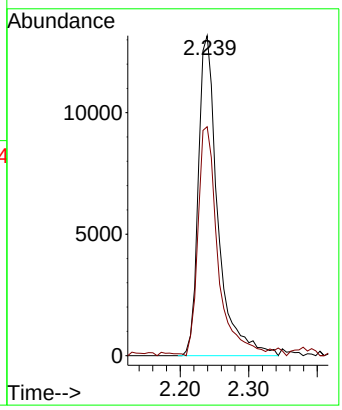




#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 2615

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
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ClientSampleId :
VSTDICC020

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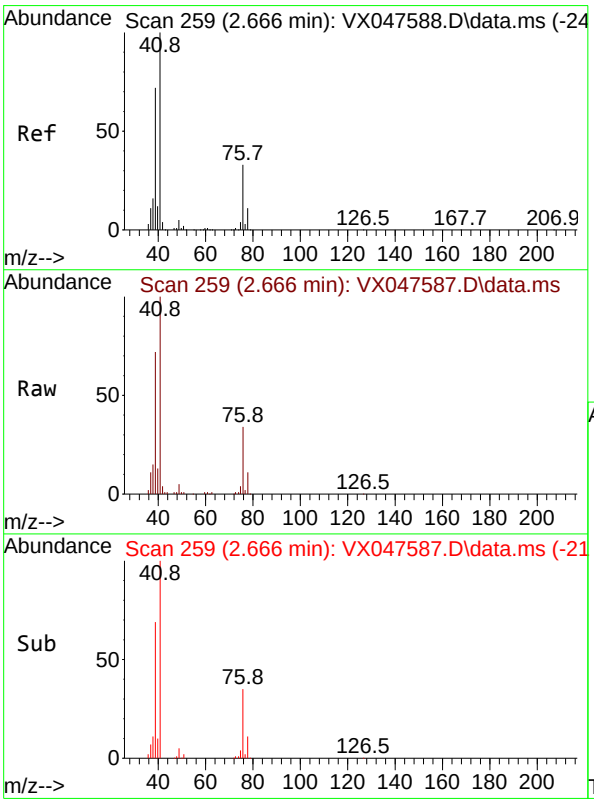
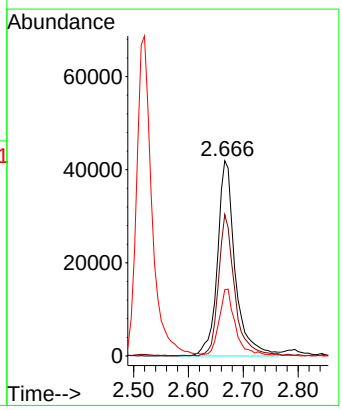
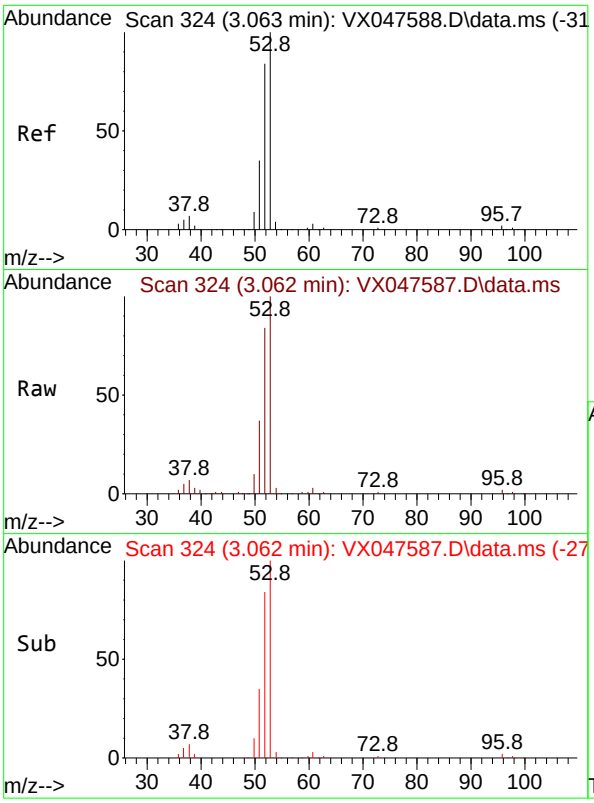


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5

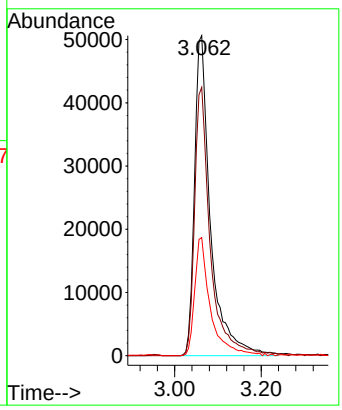




#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 53 Resp: 13014

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3



Instrument :
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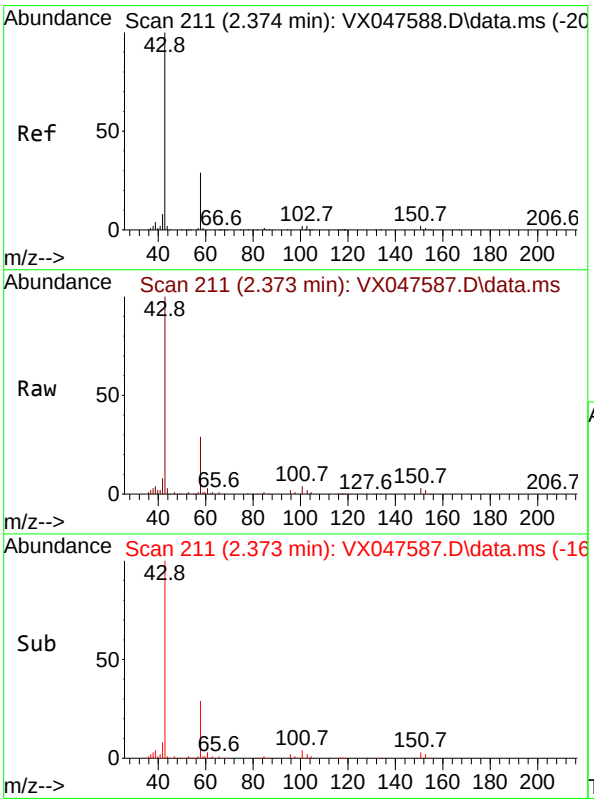
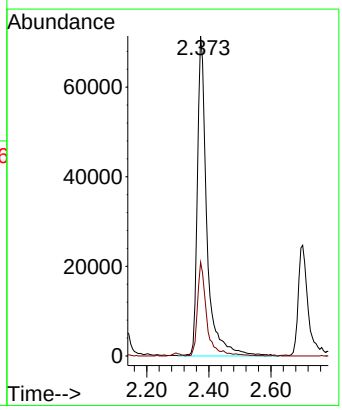
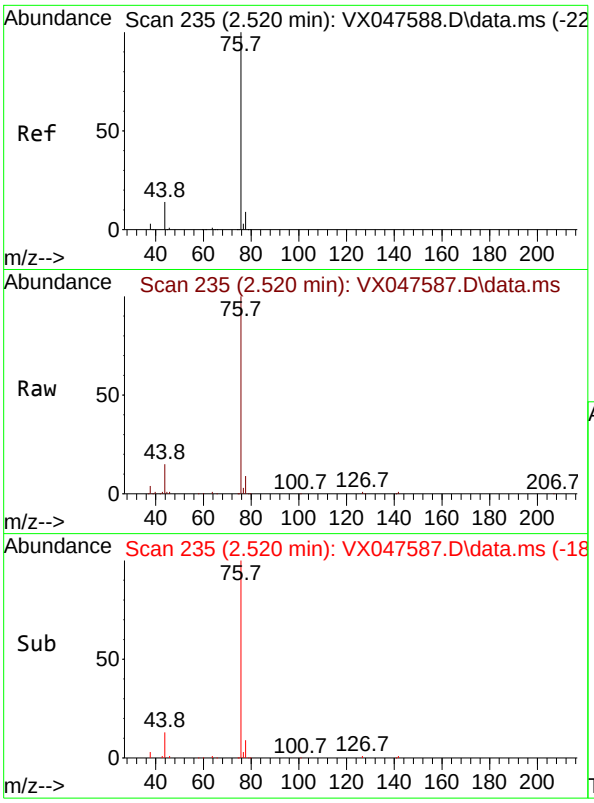


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0

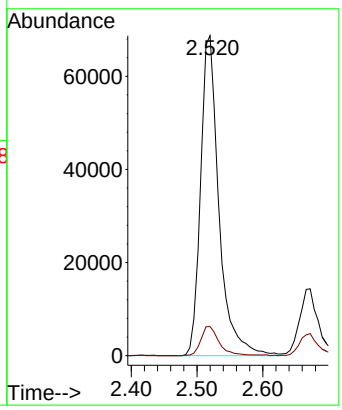




#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 13329

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2



Instrument :
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ClientSampleId :
VSTDICC020

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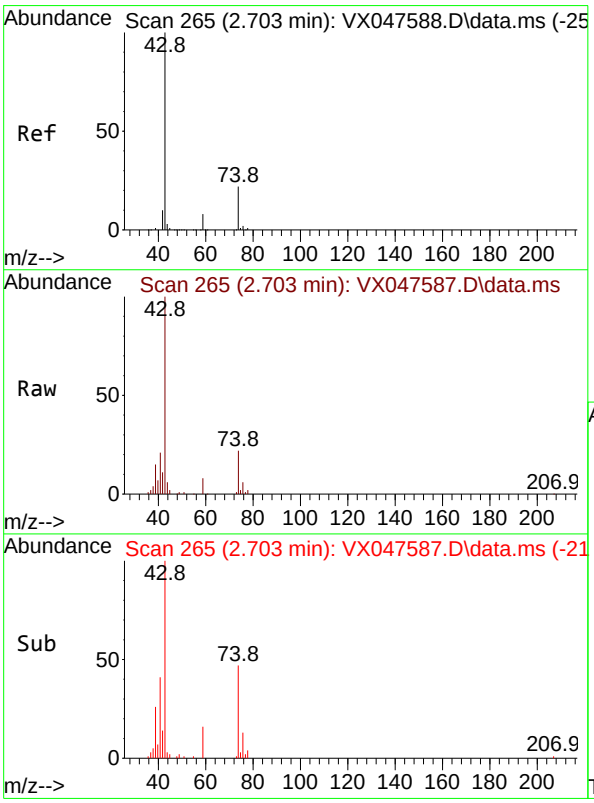
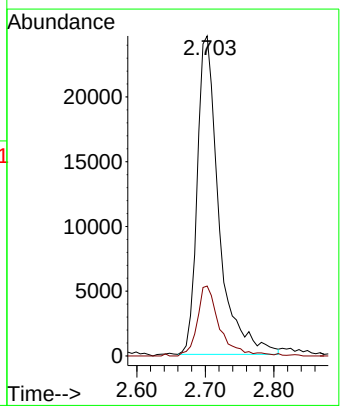
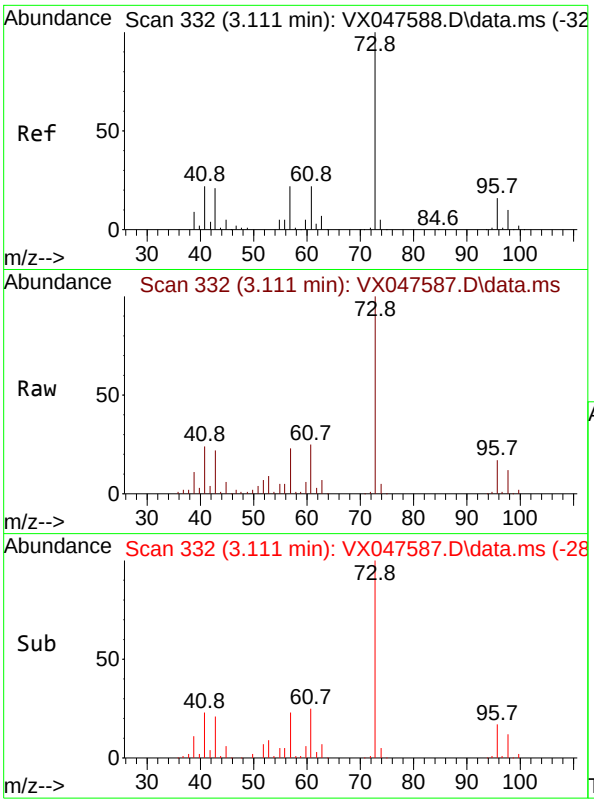


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

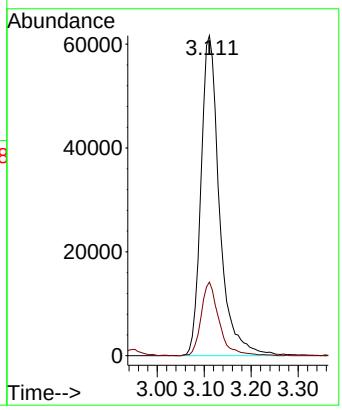




#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 73 Resp: 16842

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
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ClientSampleId :
VSTDICC020

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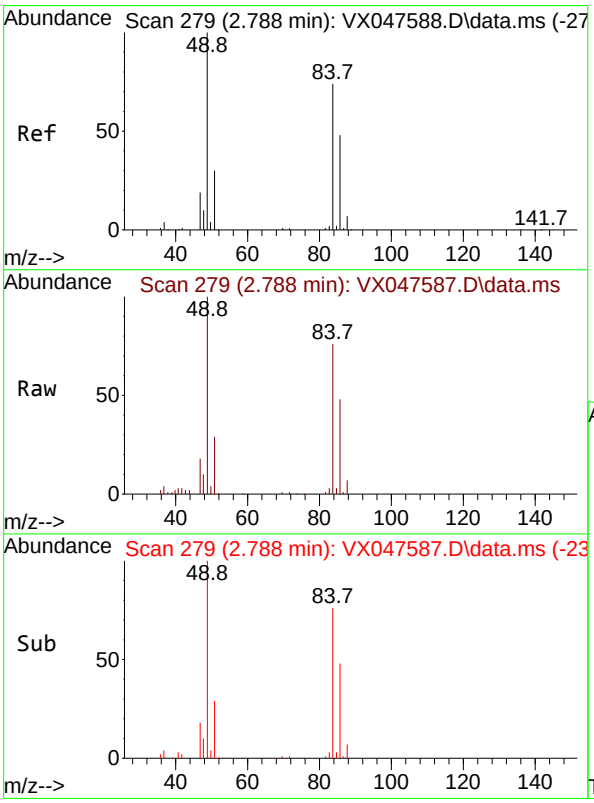
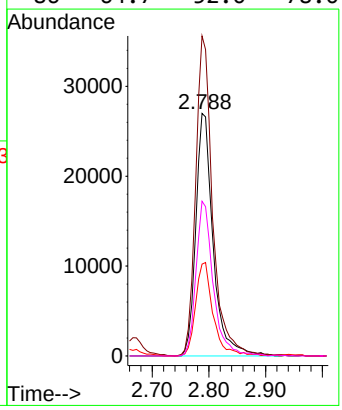
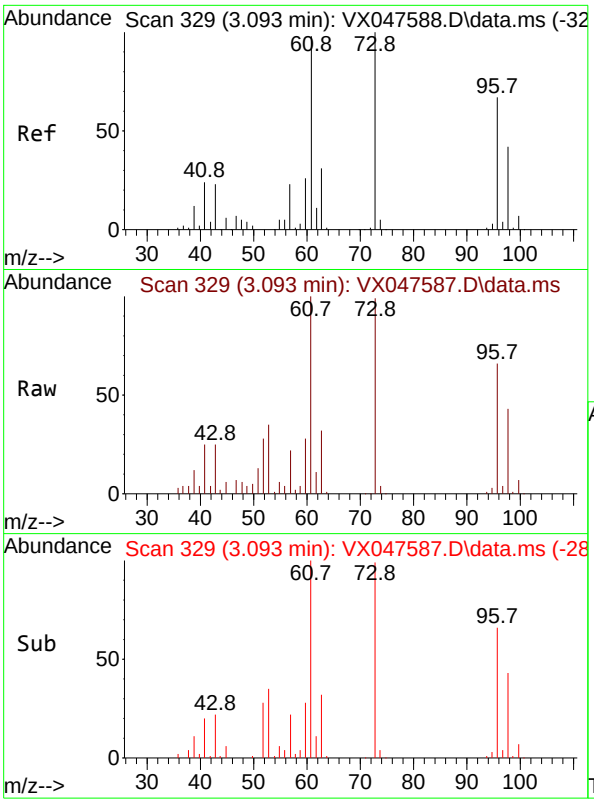


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0

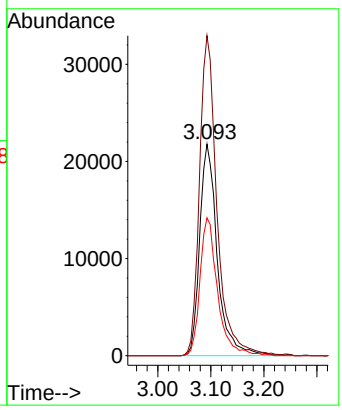




#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 5041

Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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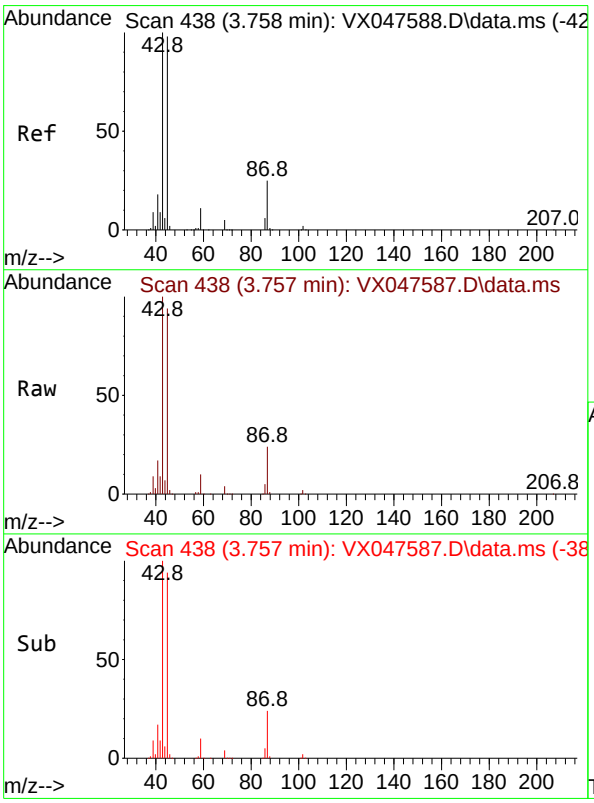
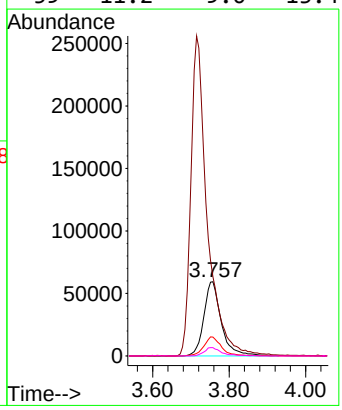
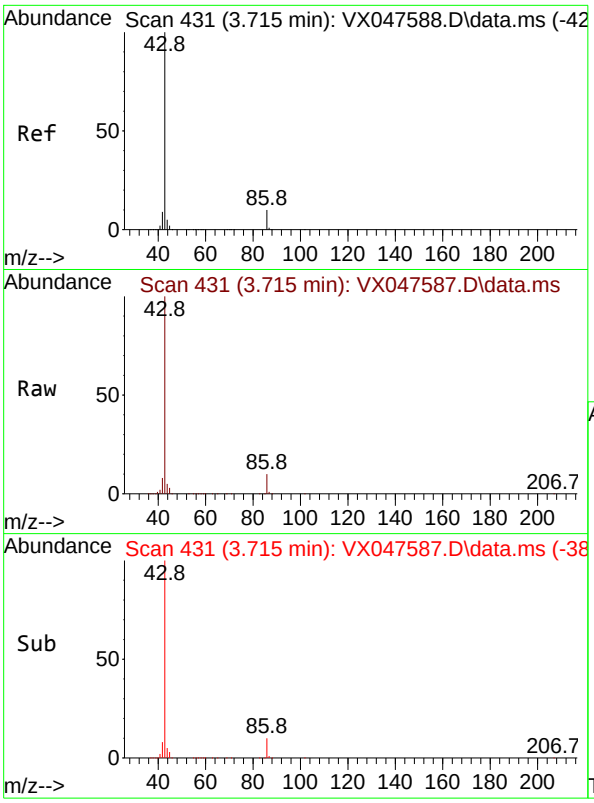


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4





#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 76567

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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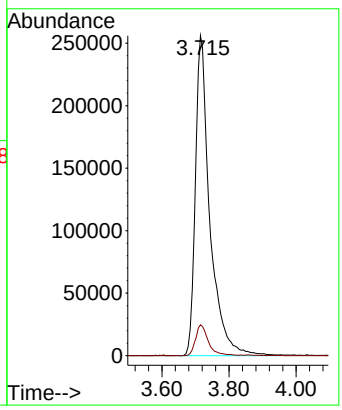
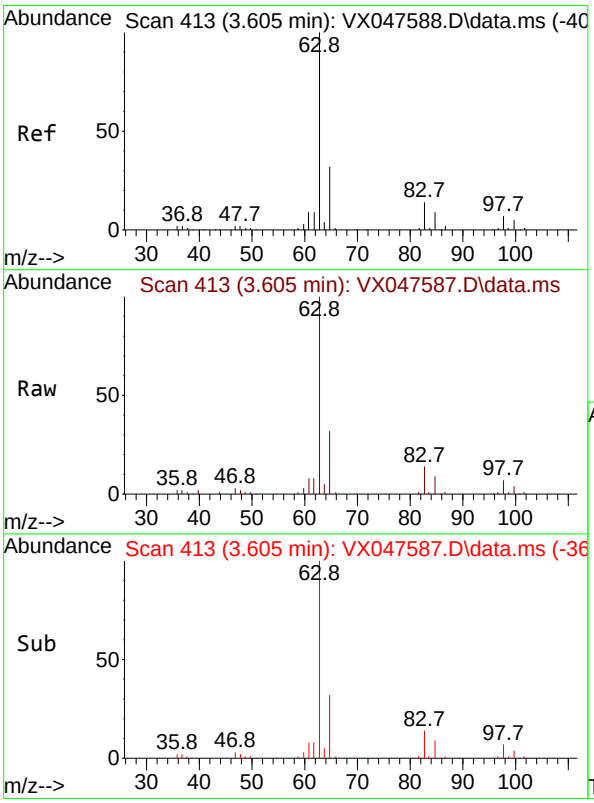
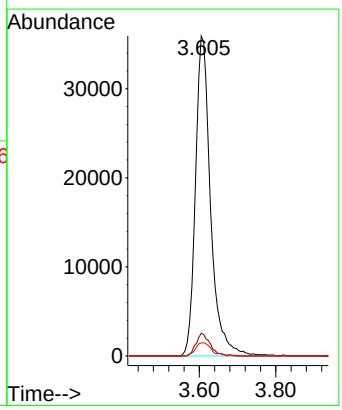


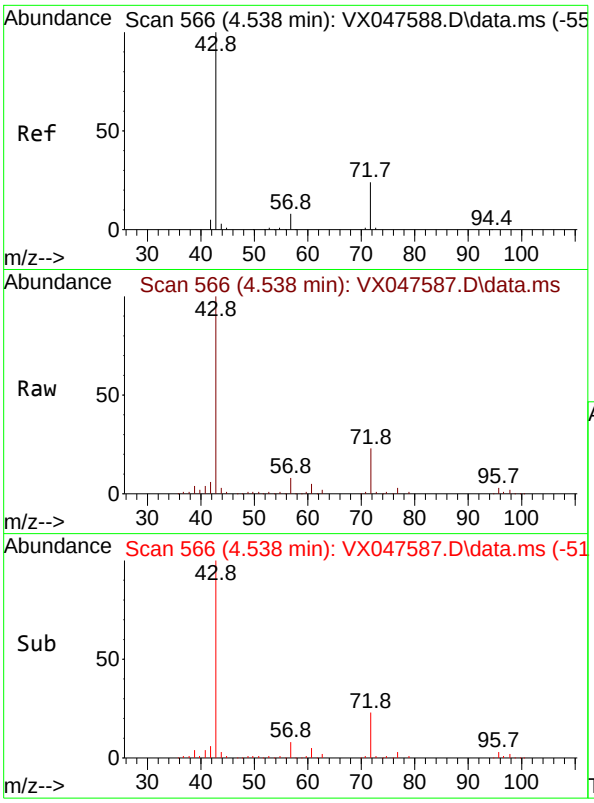


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9





#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 17948

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

Instrument :
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ClientSampleId :
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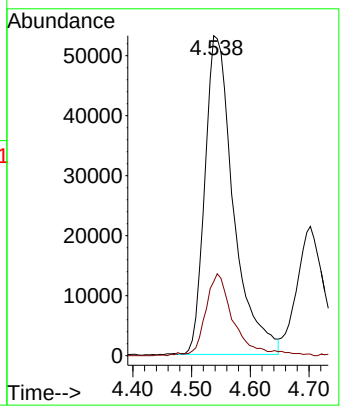
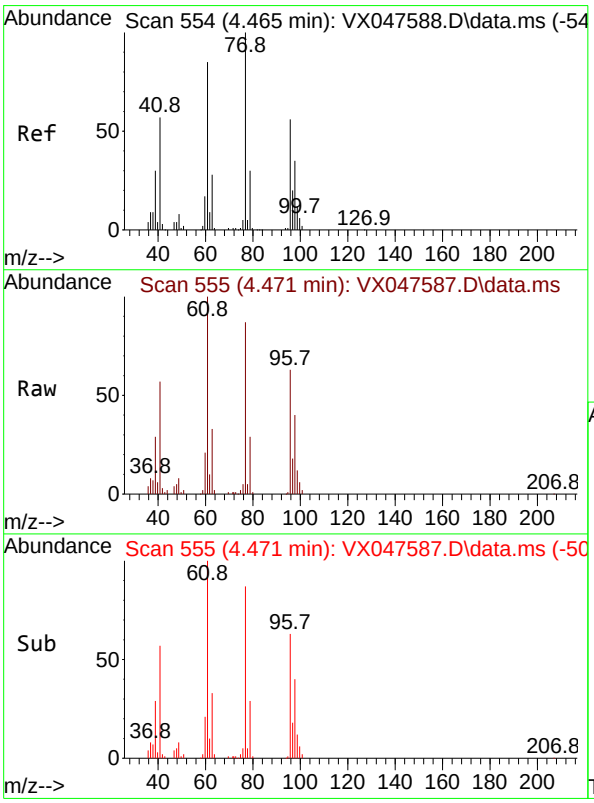
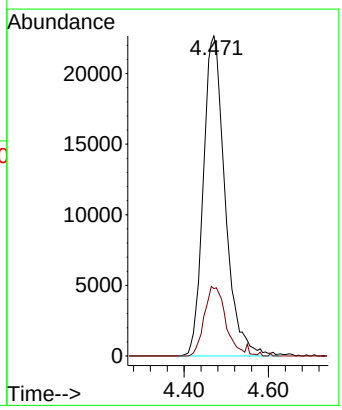


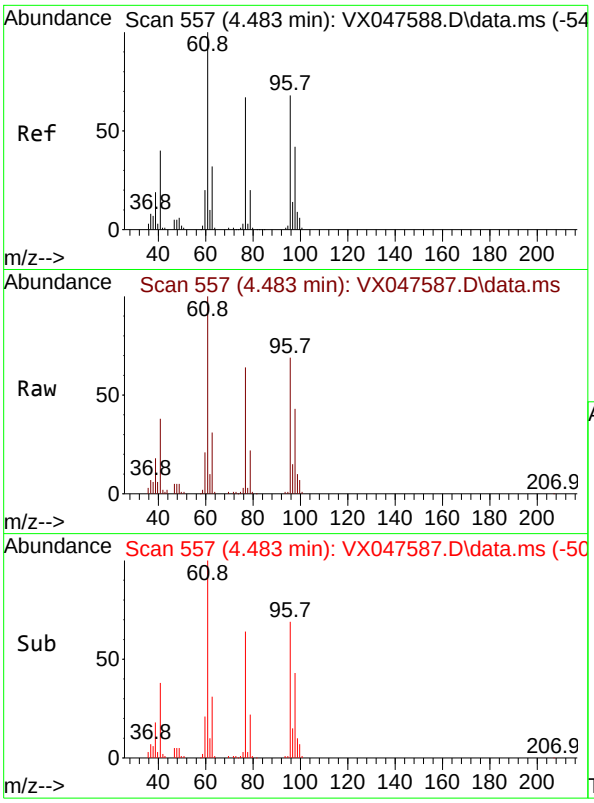


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

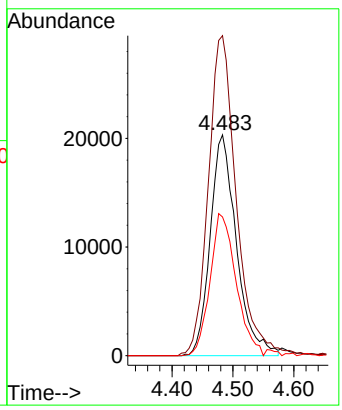




#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 6086

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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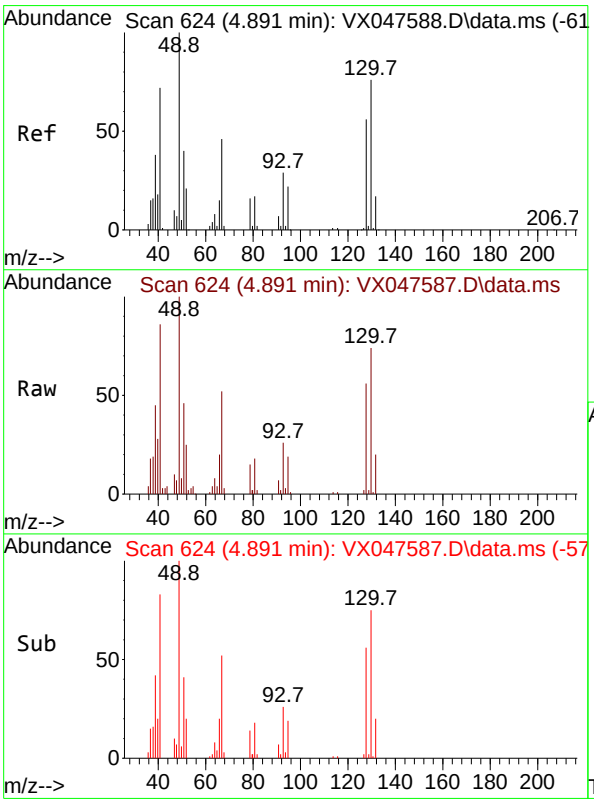
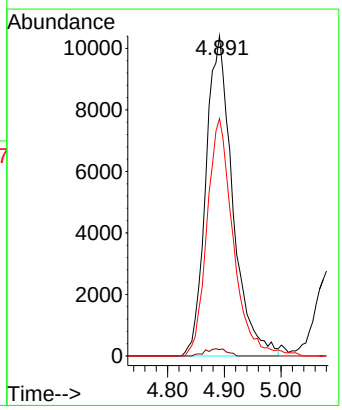
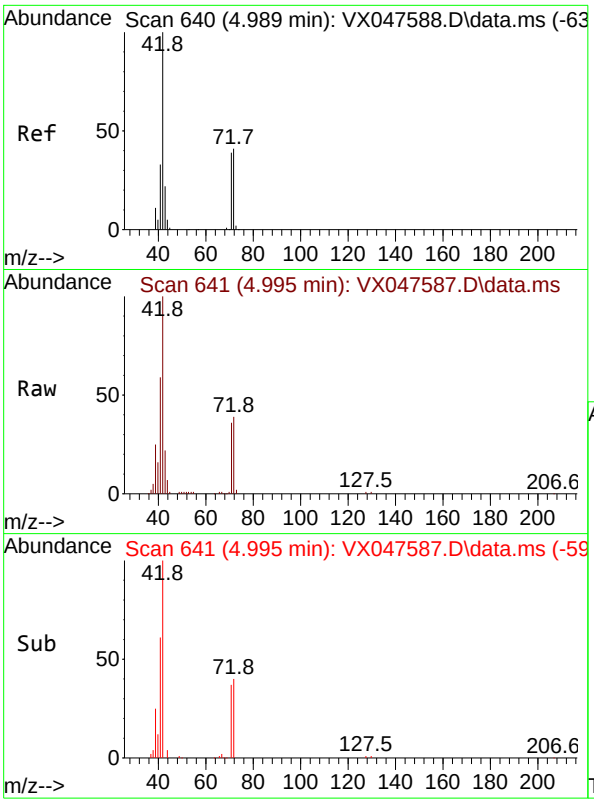


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8

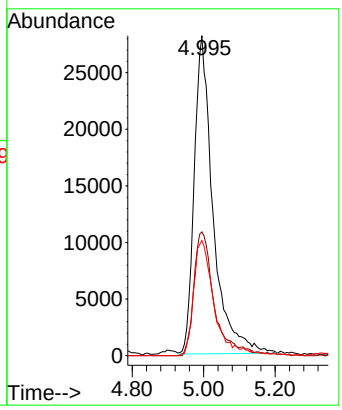




#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 42 Resp: 10293

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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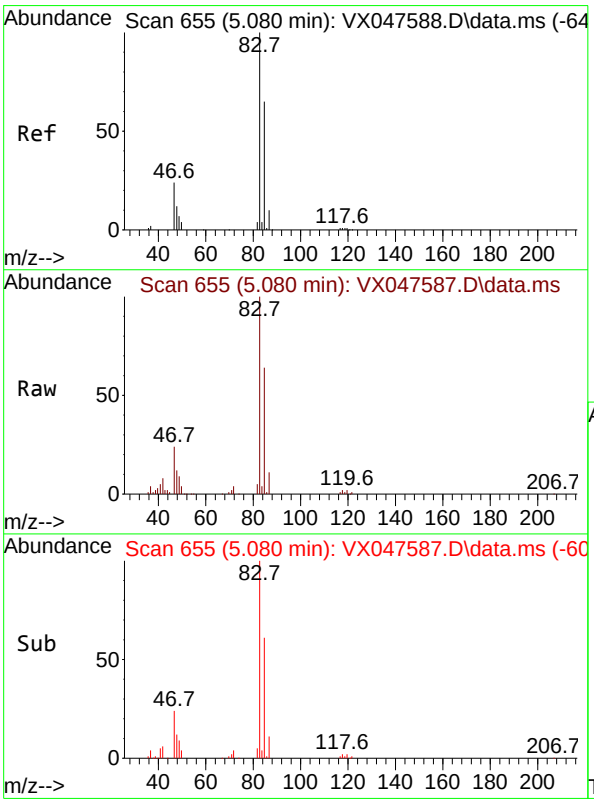
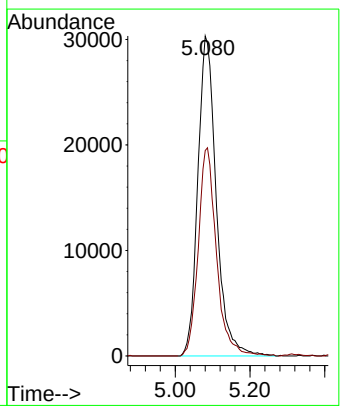
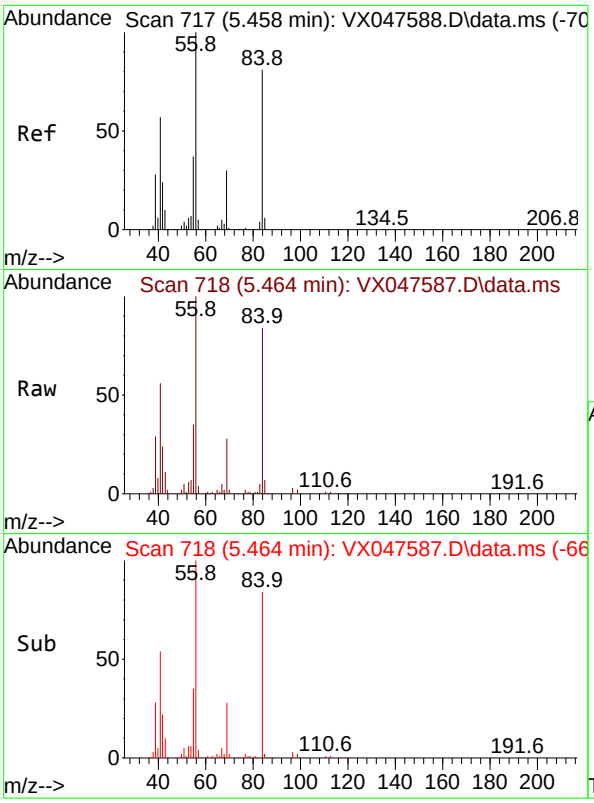


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 8277

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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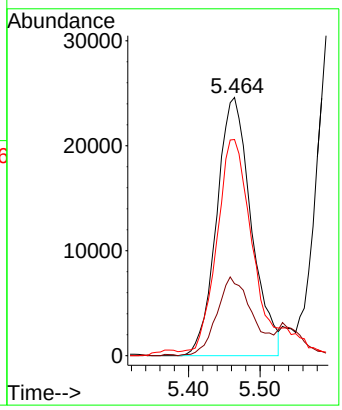
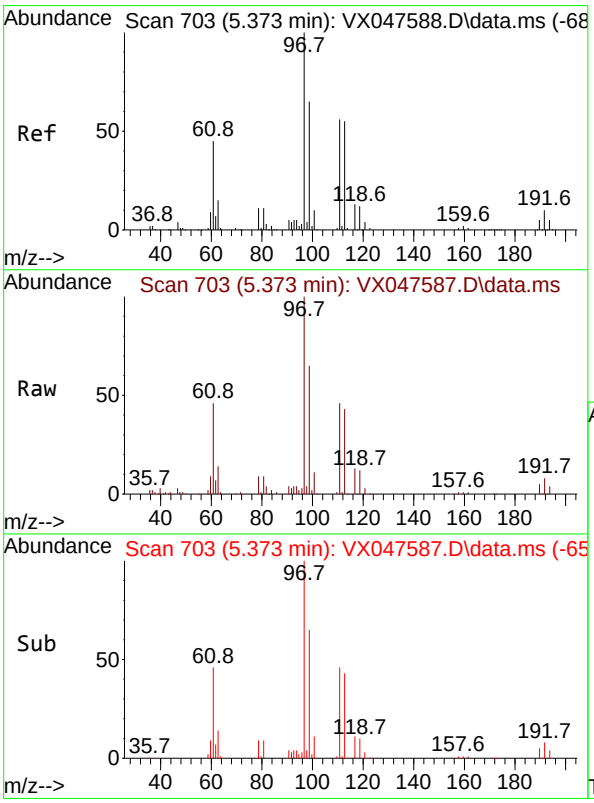
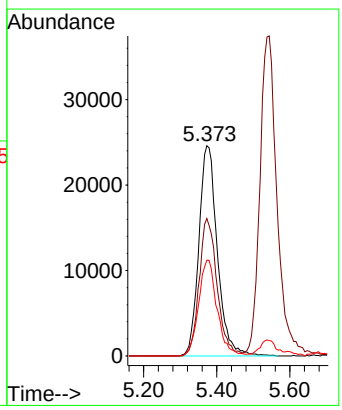


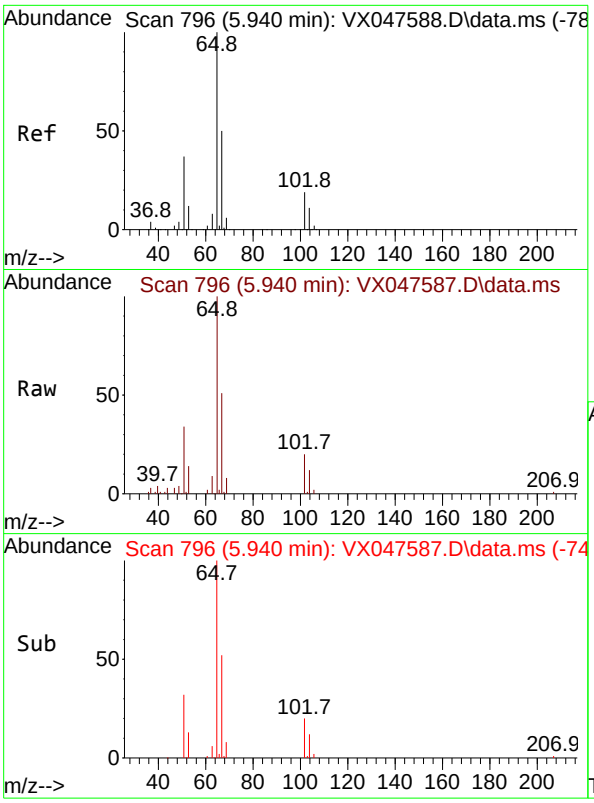


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 65 Resp: 4907

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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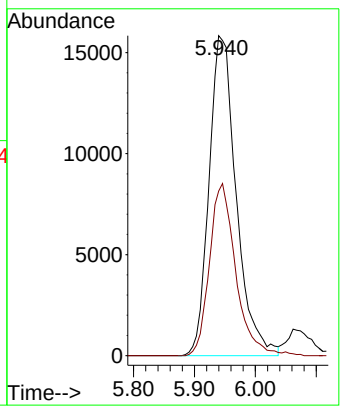
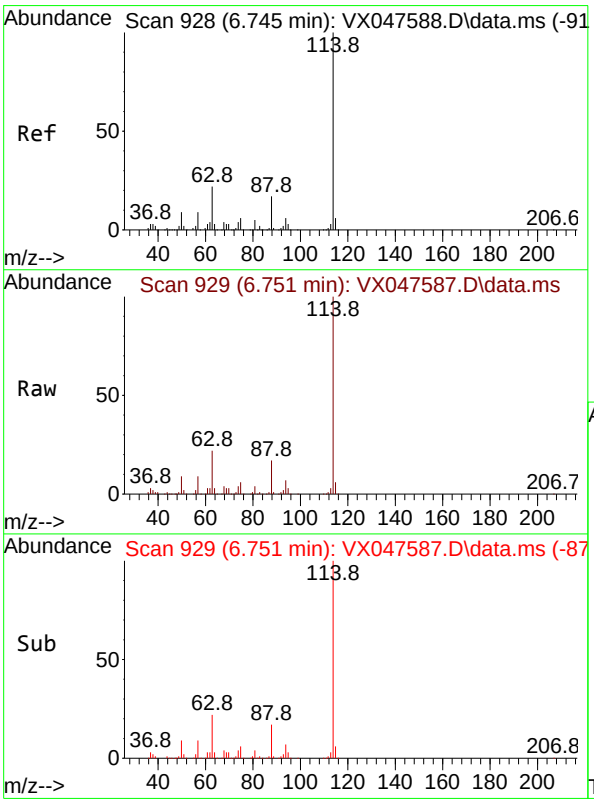
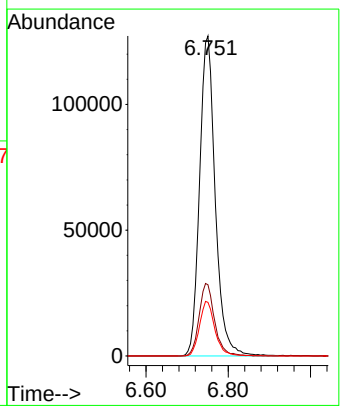


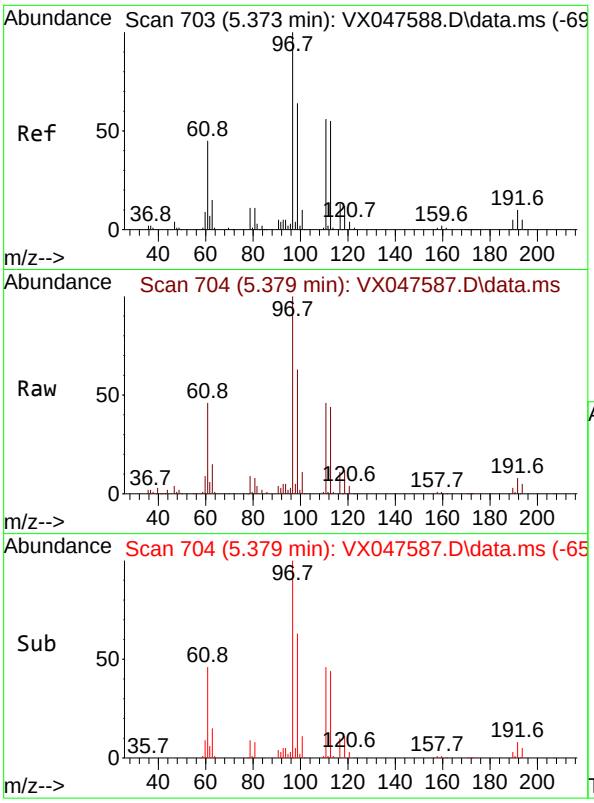


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

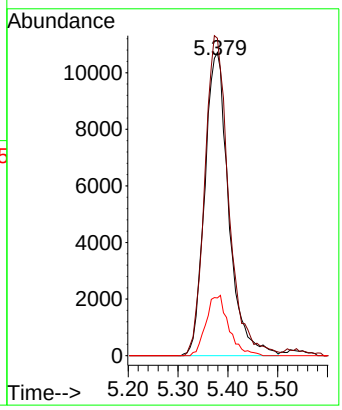




#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:113 Resp: 3578

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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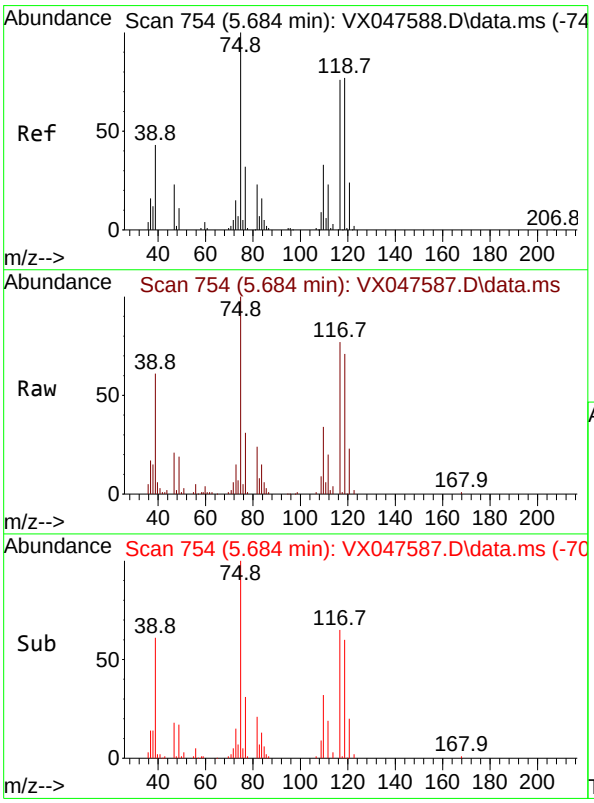
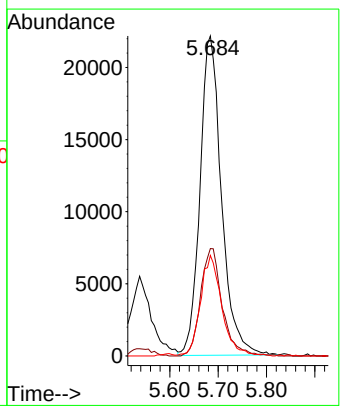
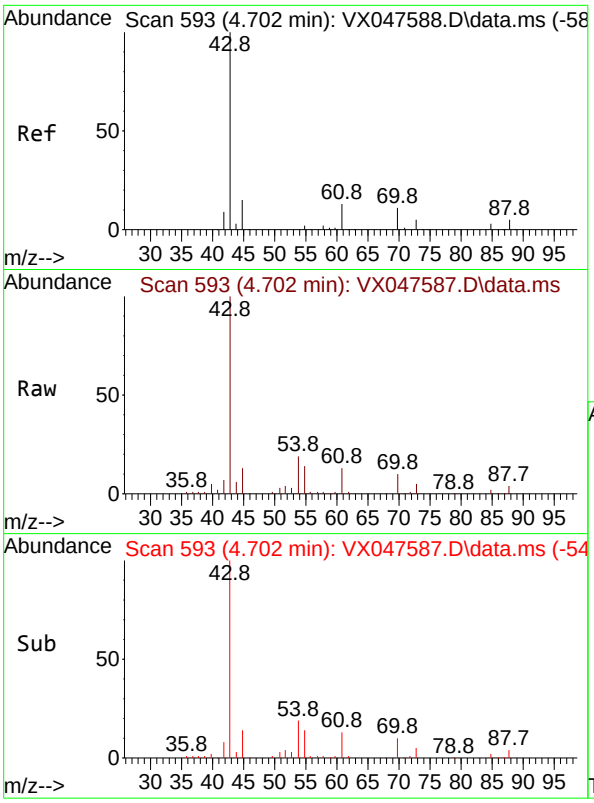


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5

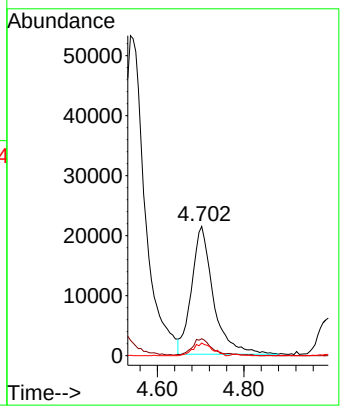




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 7449

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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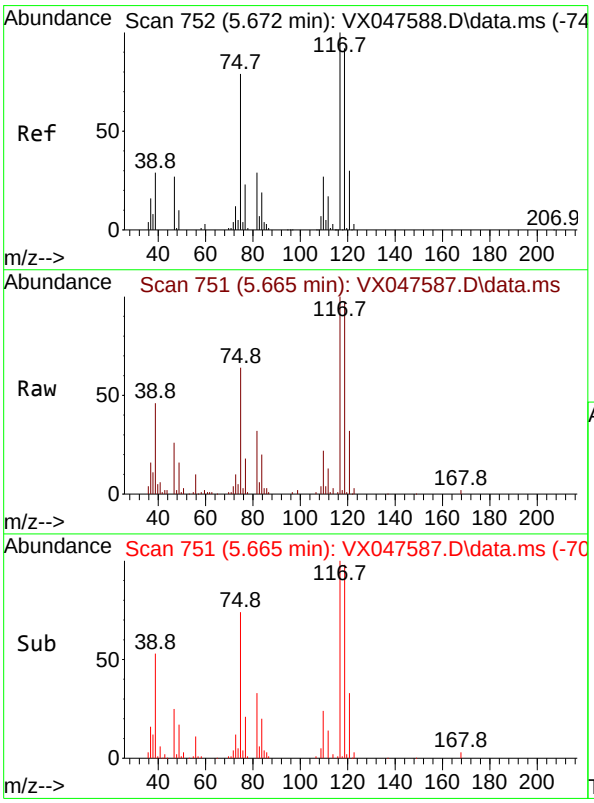
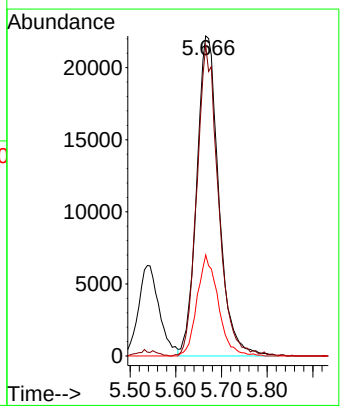
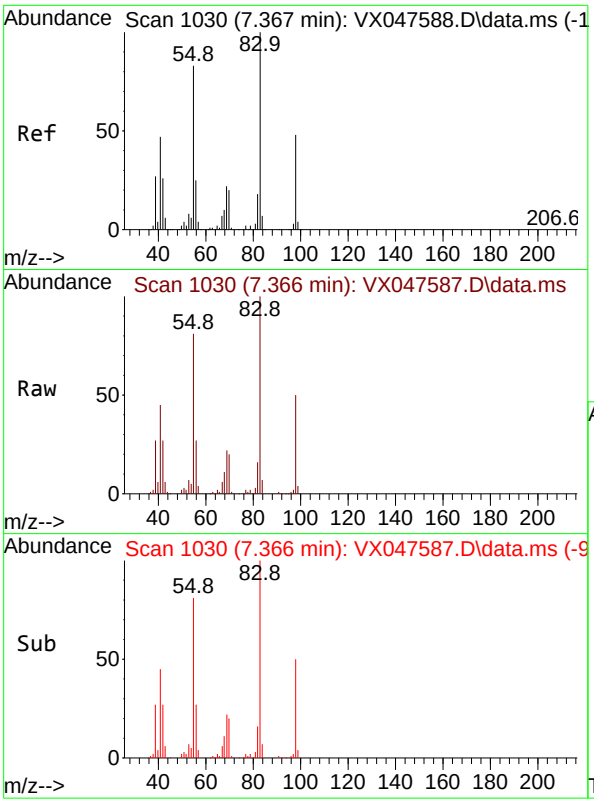


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6

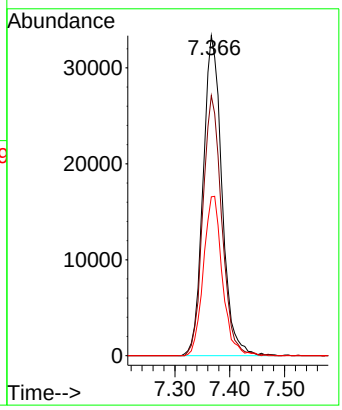




#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 7949

Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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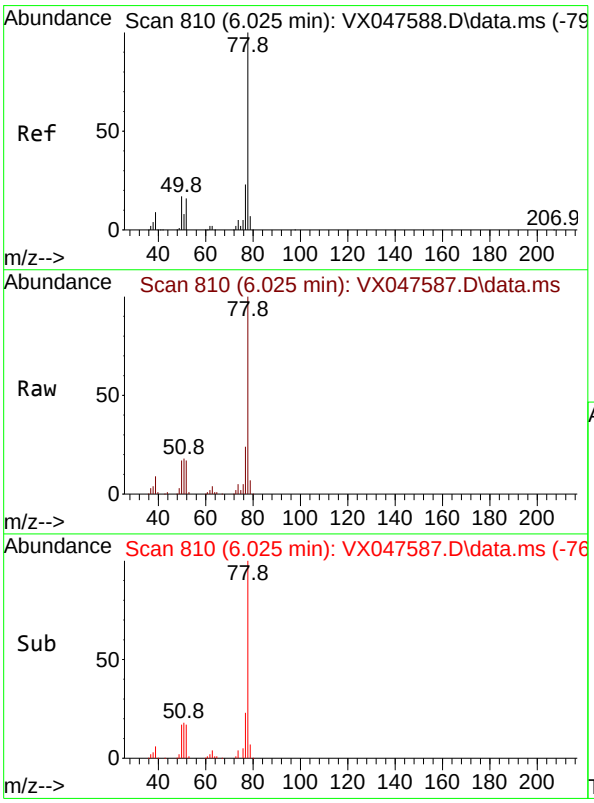
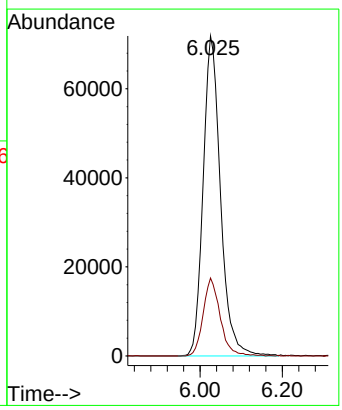
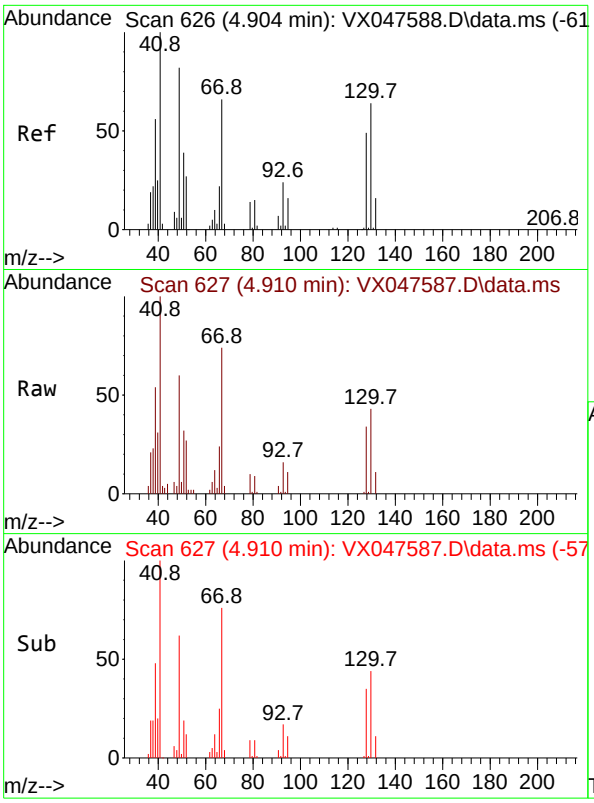


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

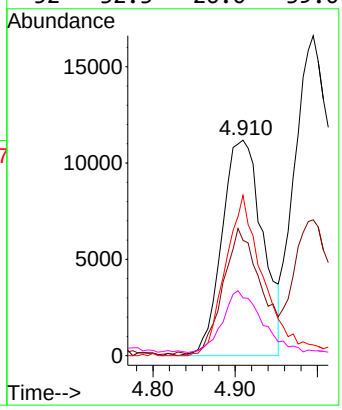




#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 3852

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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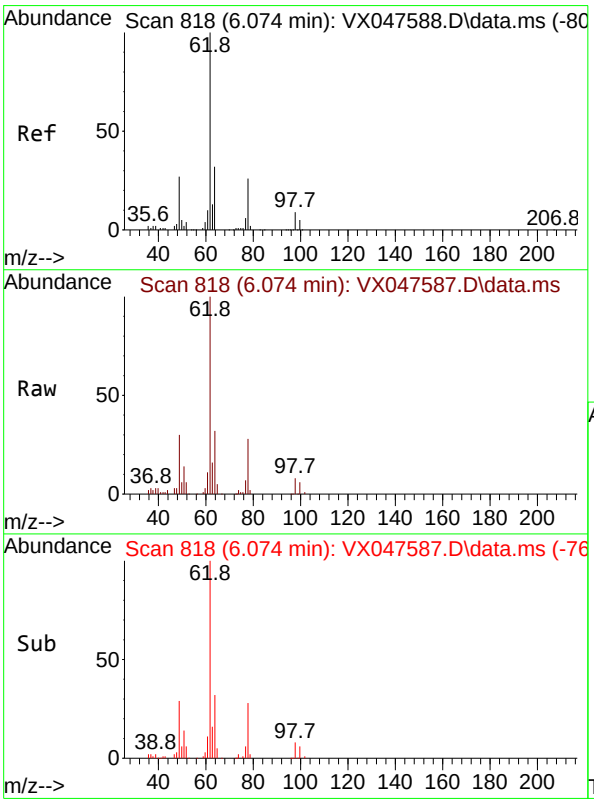
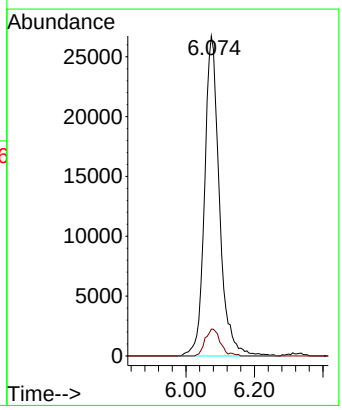
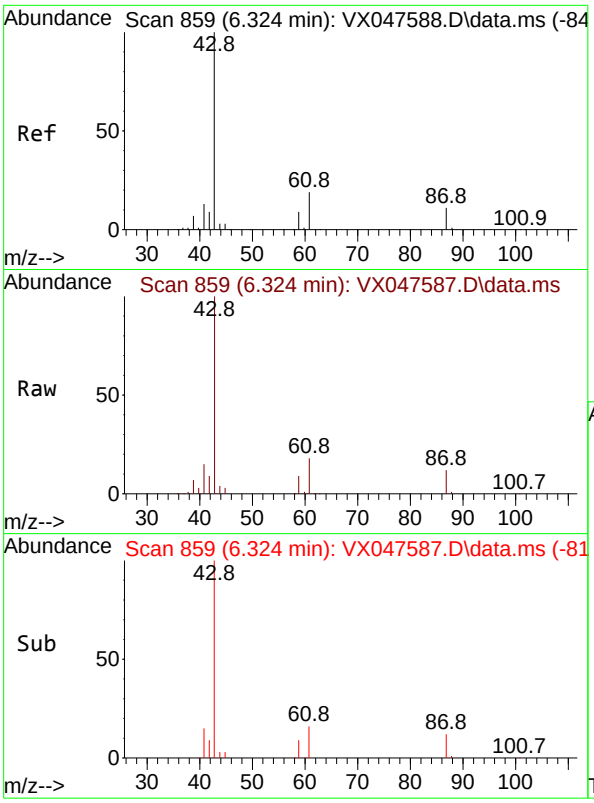


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

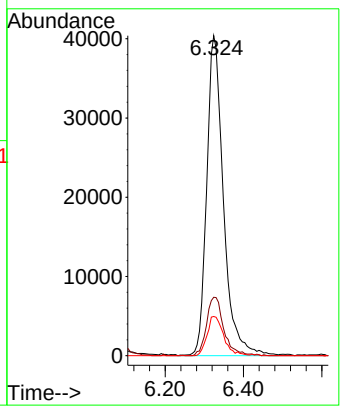




#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 11962

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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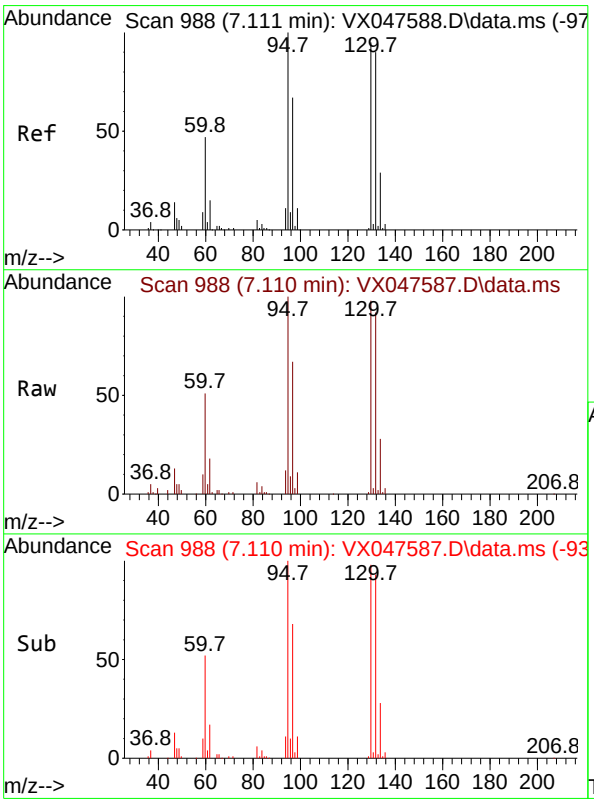
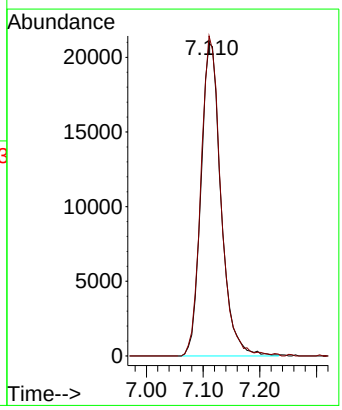
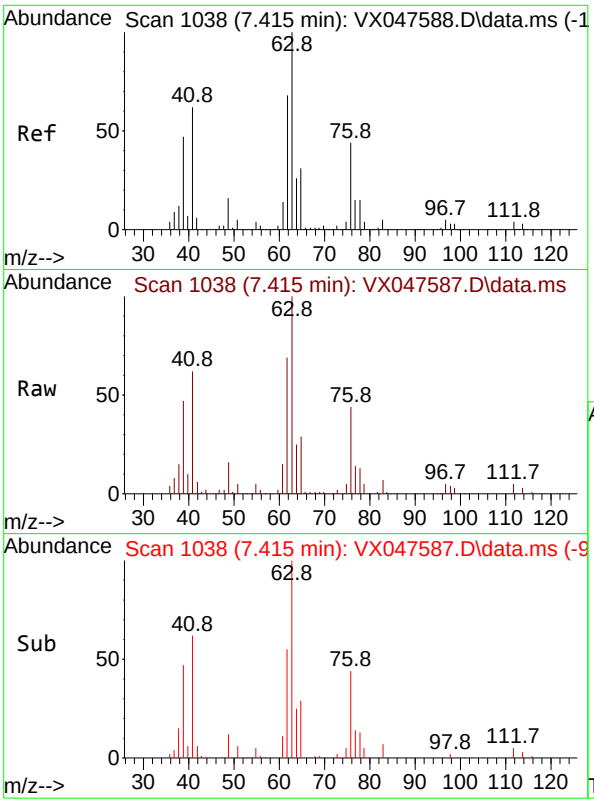


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8

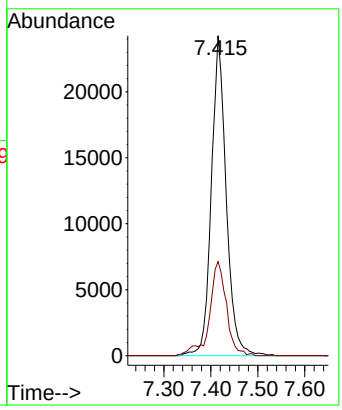




#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 5304

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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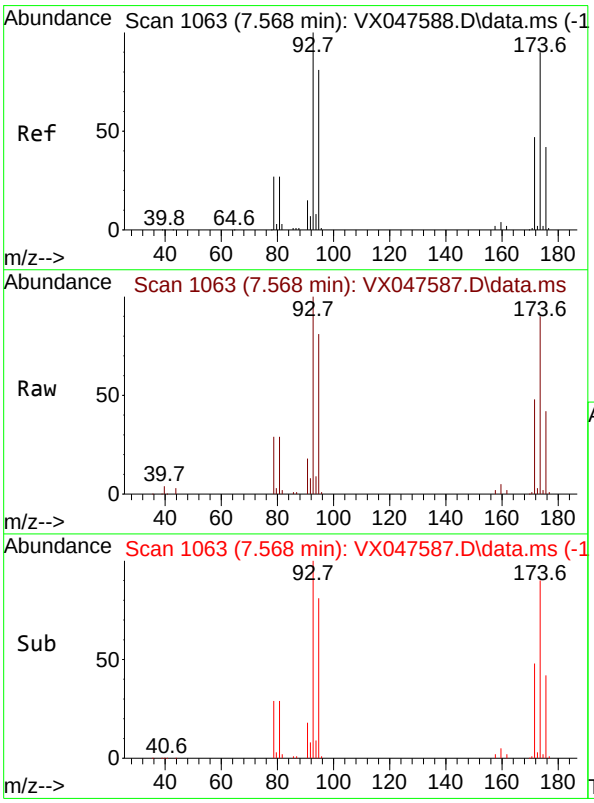
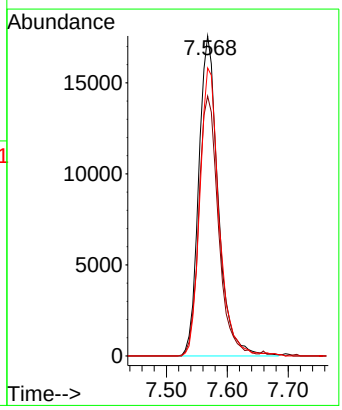
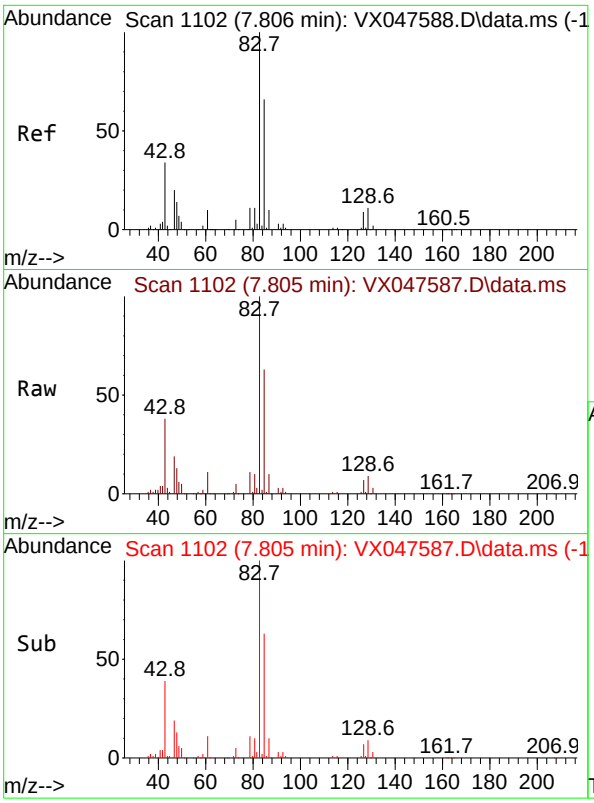


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4

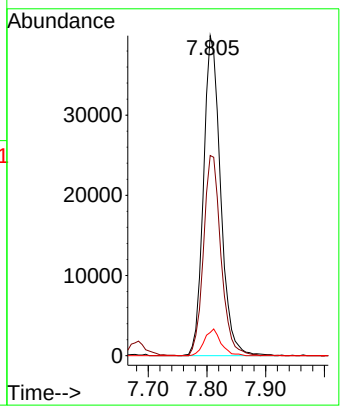




#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 8083

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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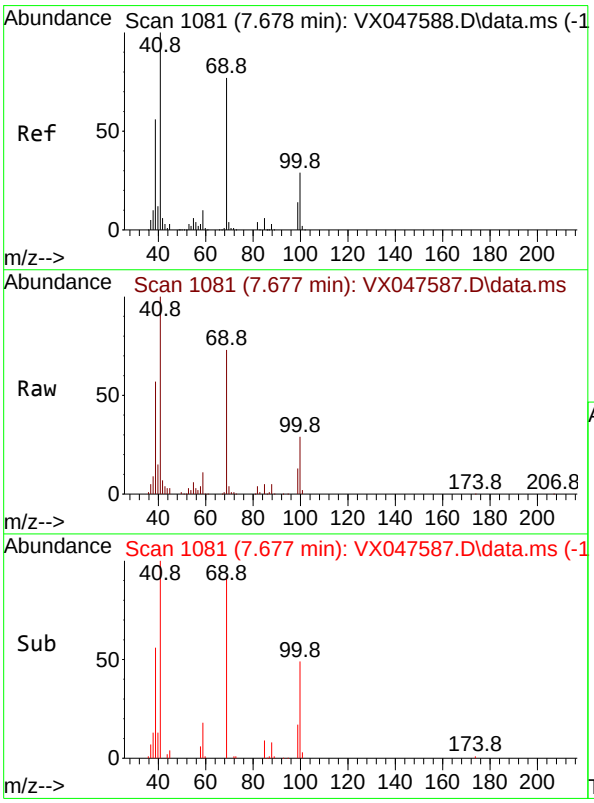
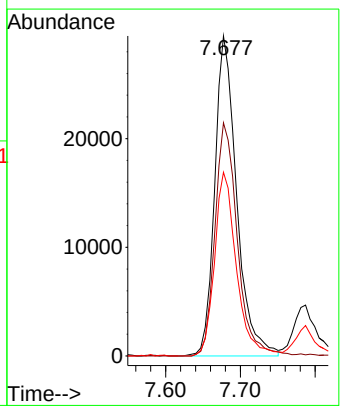
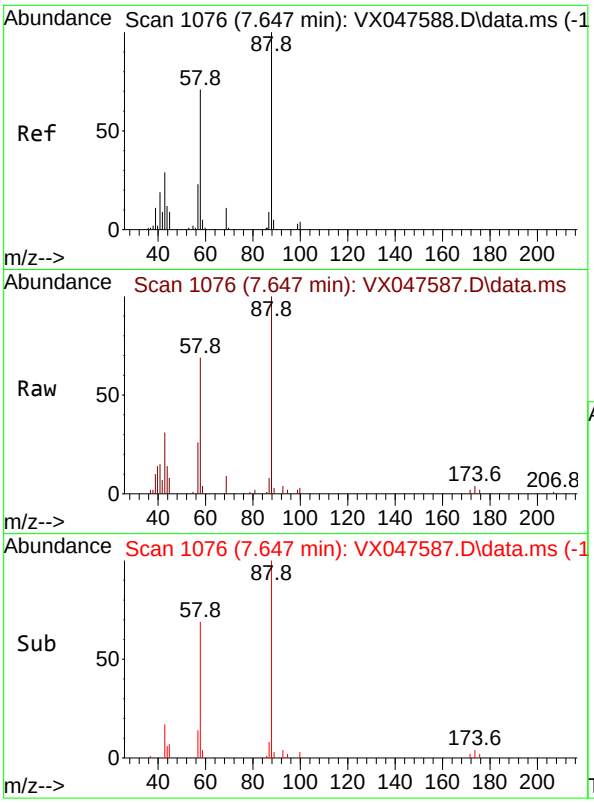


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6

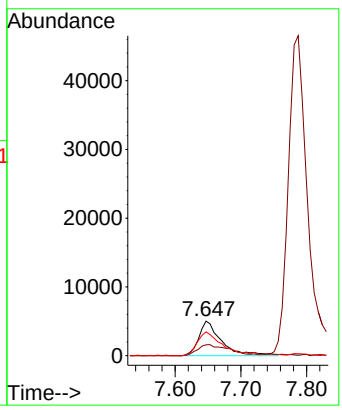




#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 88 Resp: 1204

Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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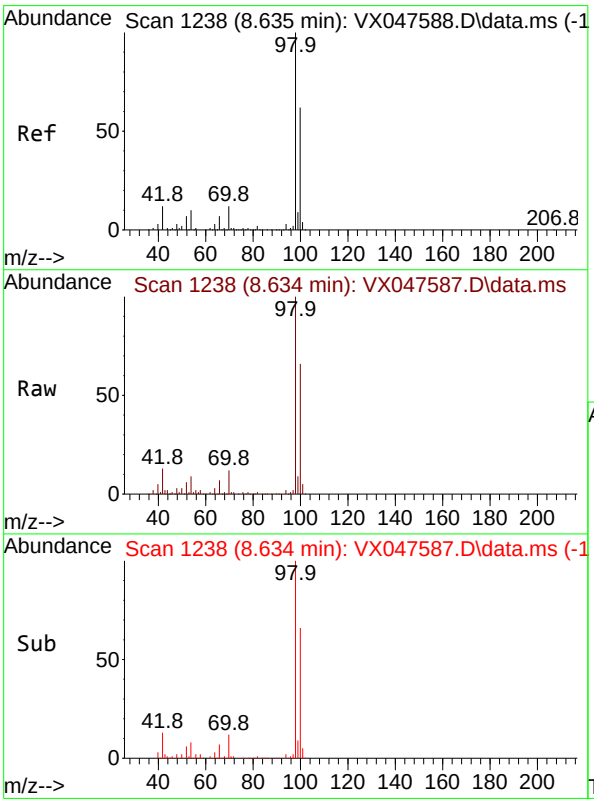
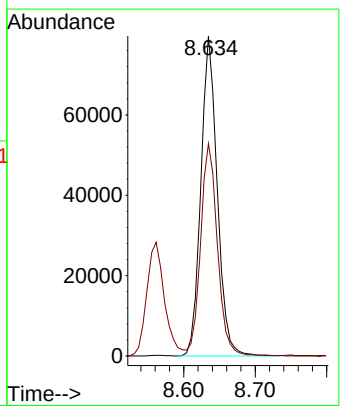
Supervised By :Mahesh Dadoda 09/18/2025

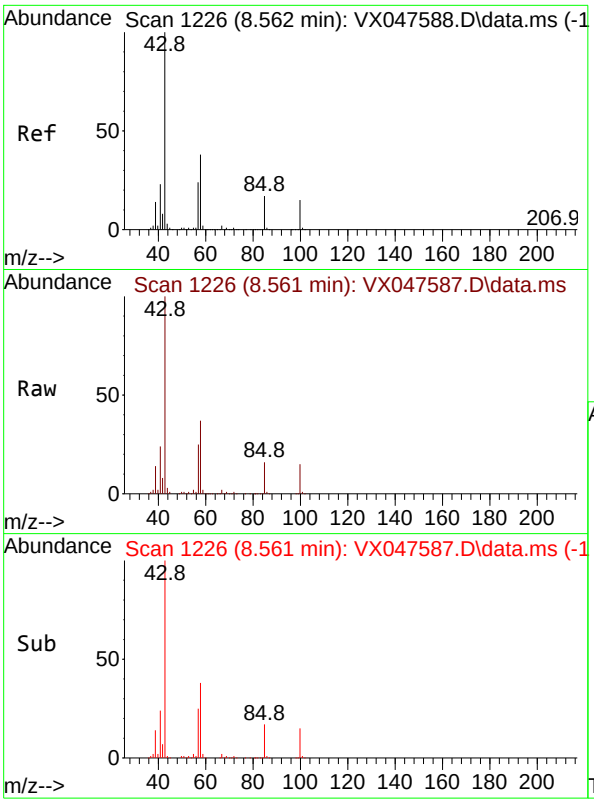


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

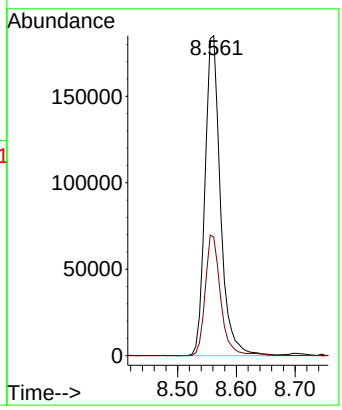




#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 33837

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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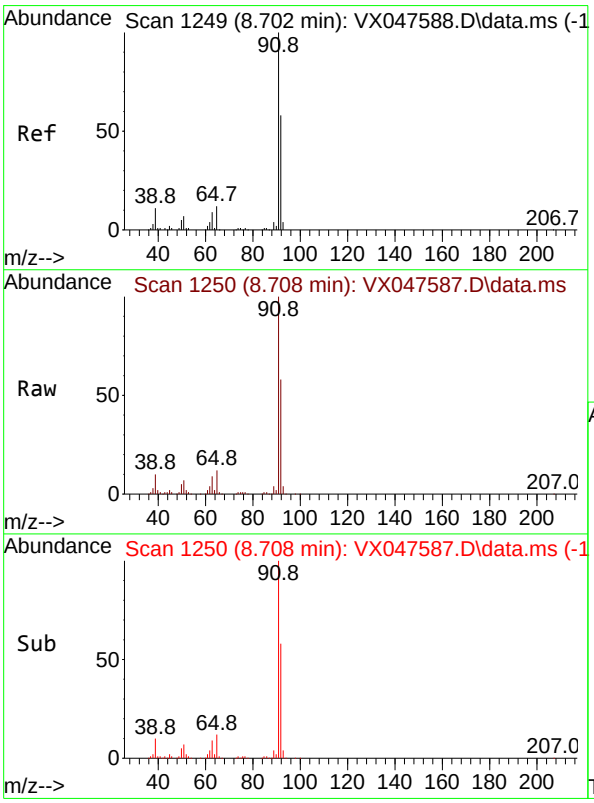
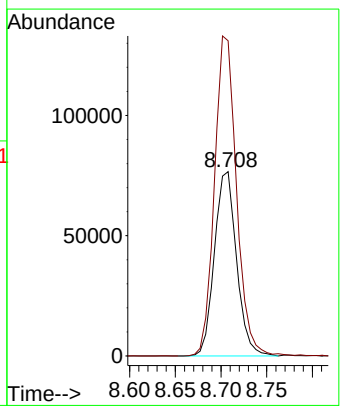
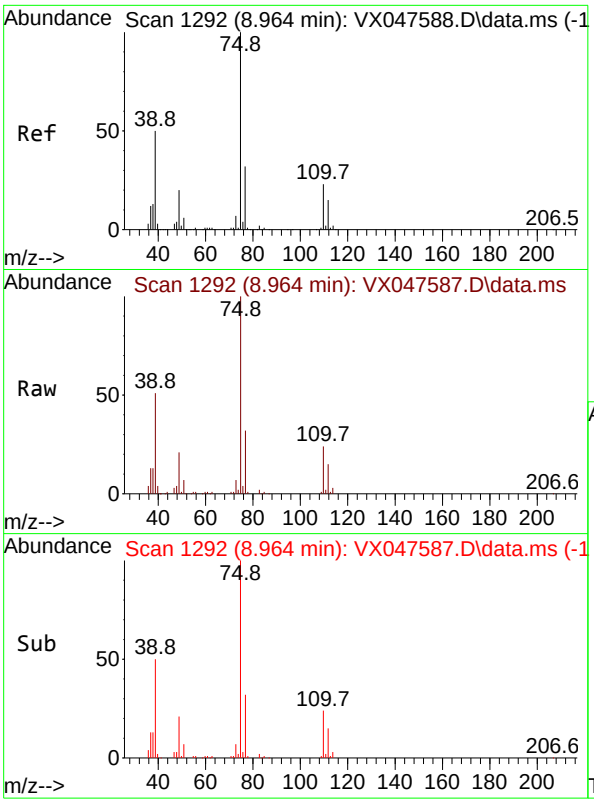


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7

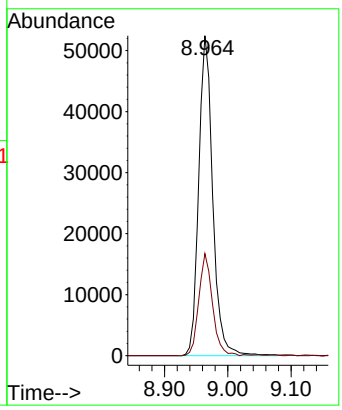




#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 8097

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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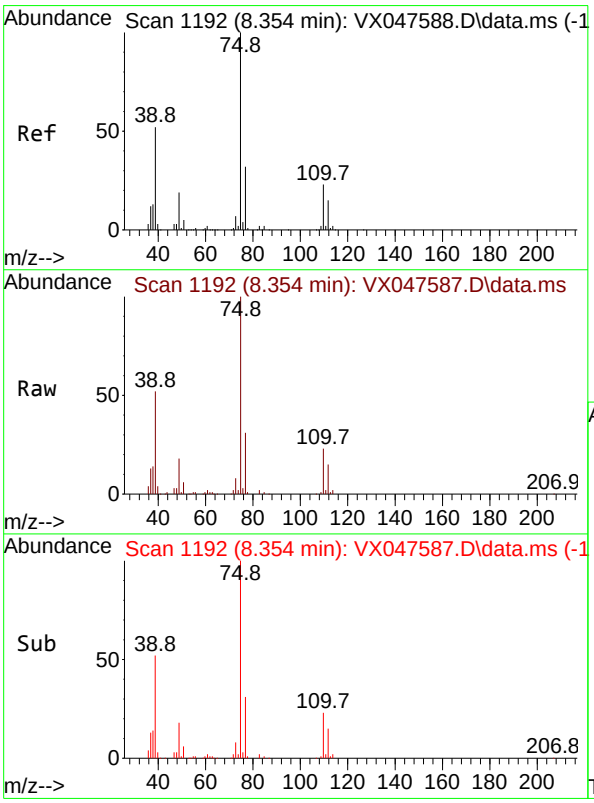
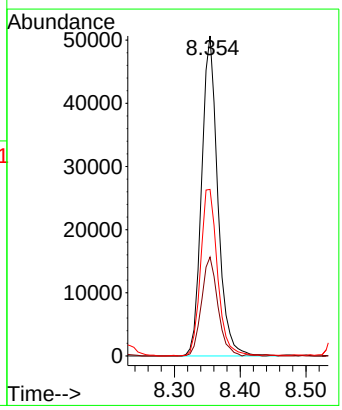
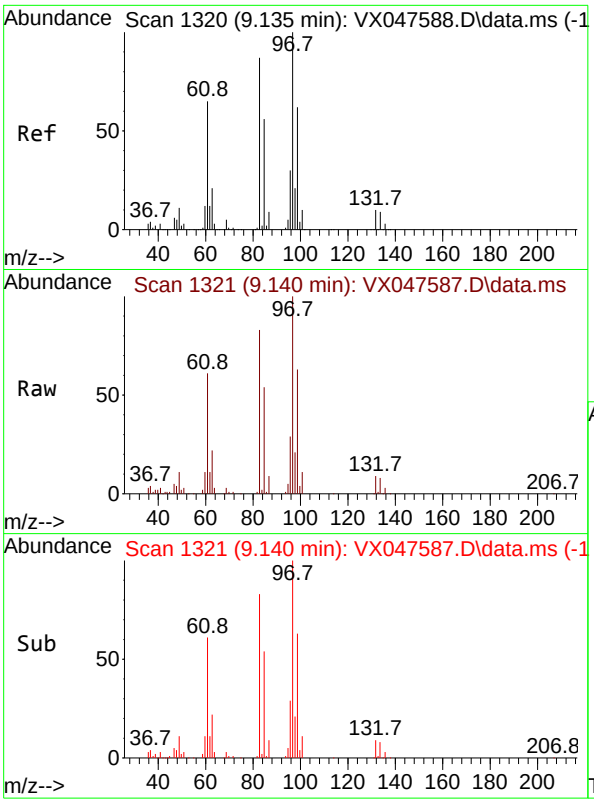


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2

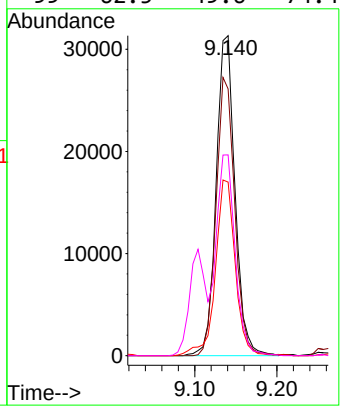




#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 4985

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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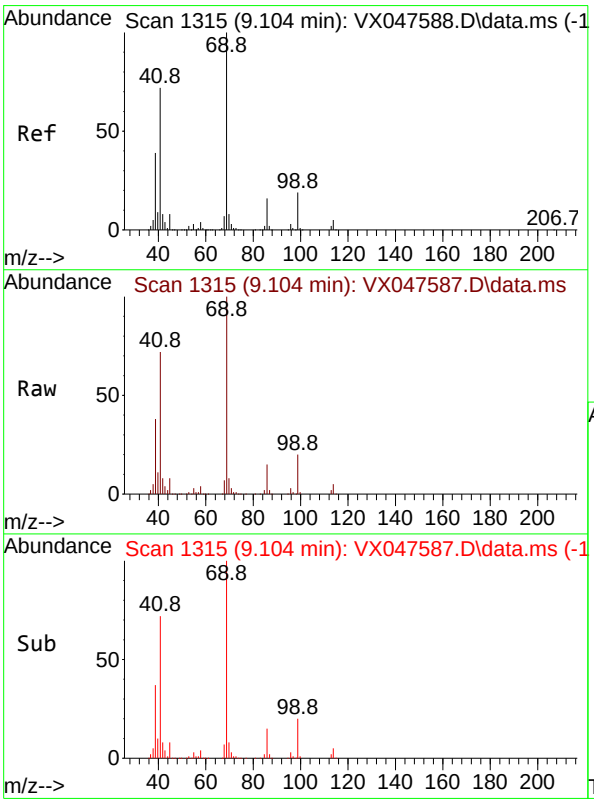
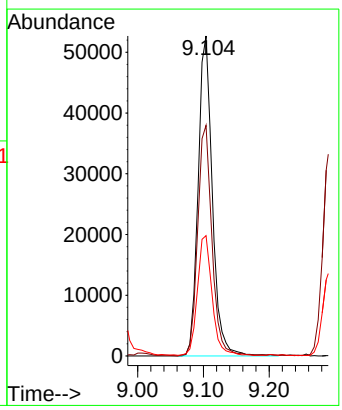
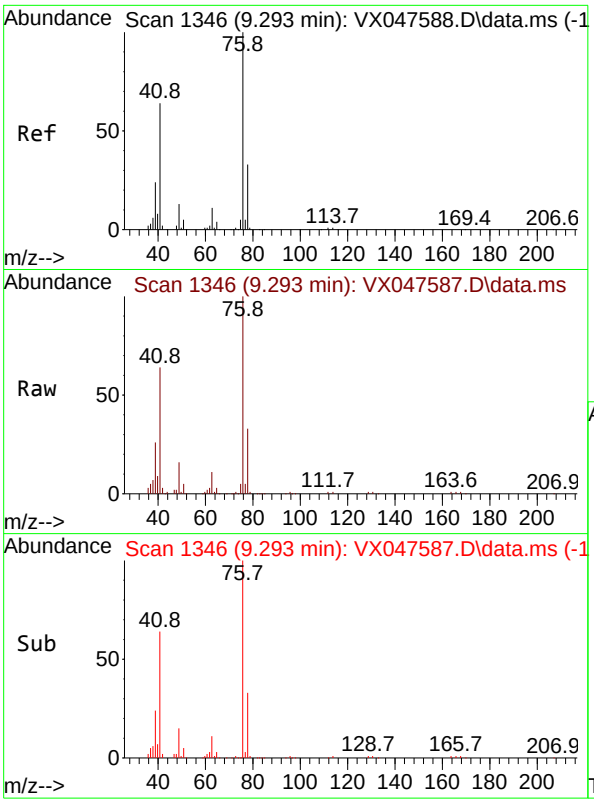


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3





#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 8551

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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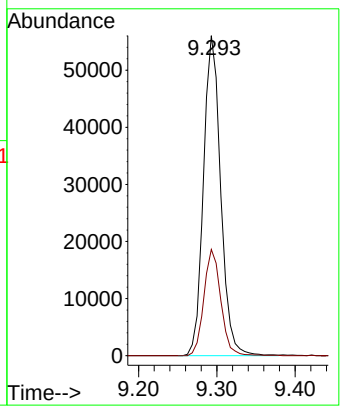
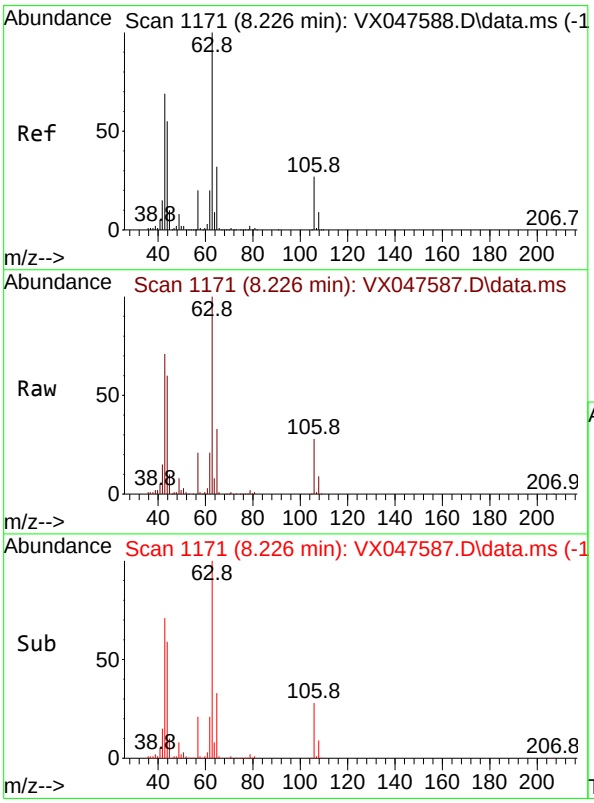
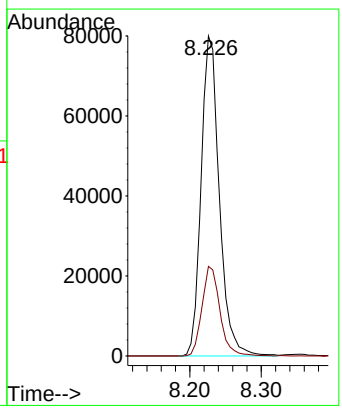


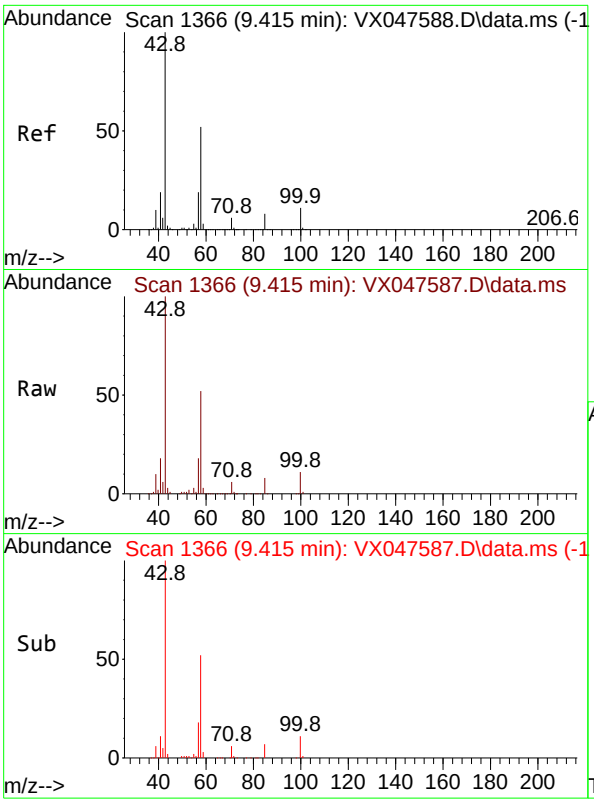


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 25000

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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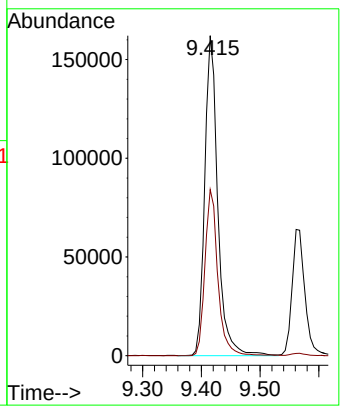
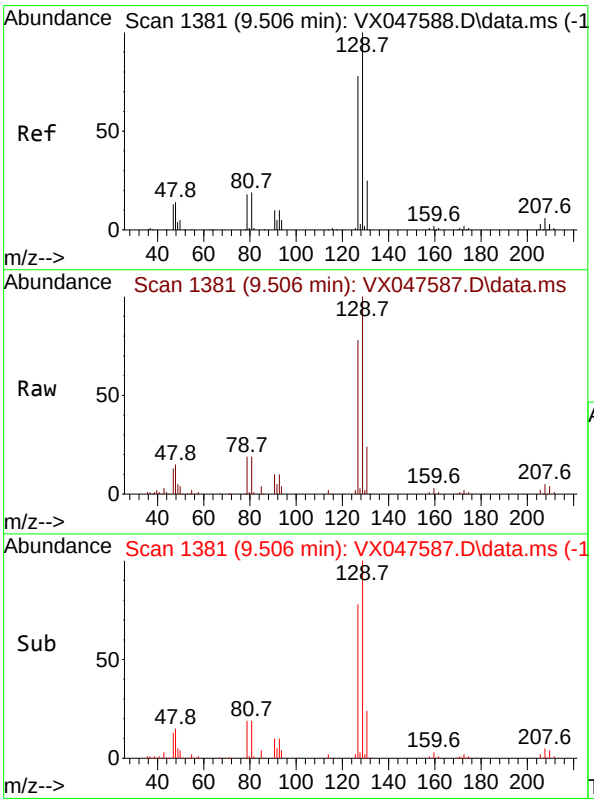
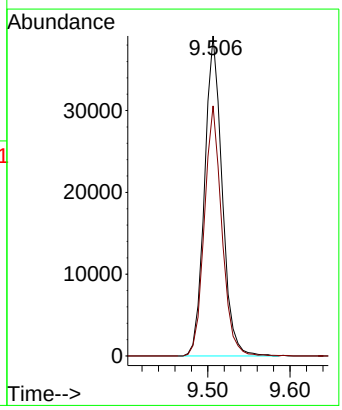


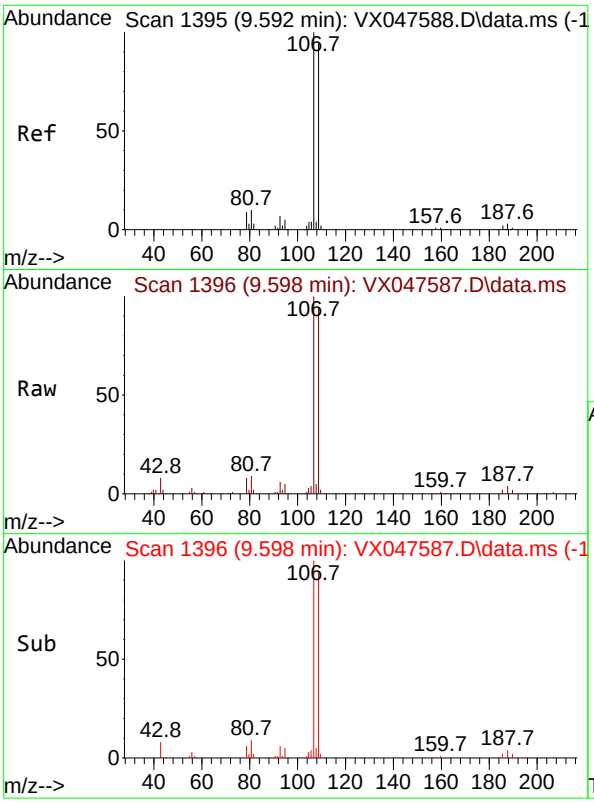


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

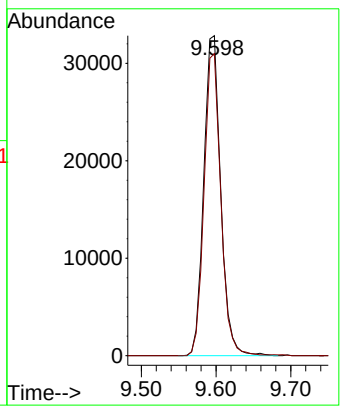




#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:107 Resp: 5161

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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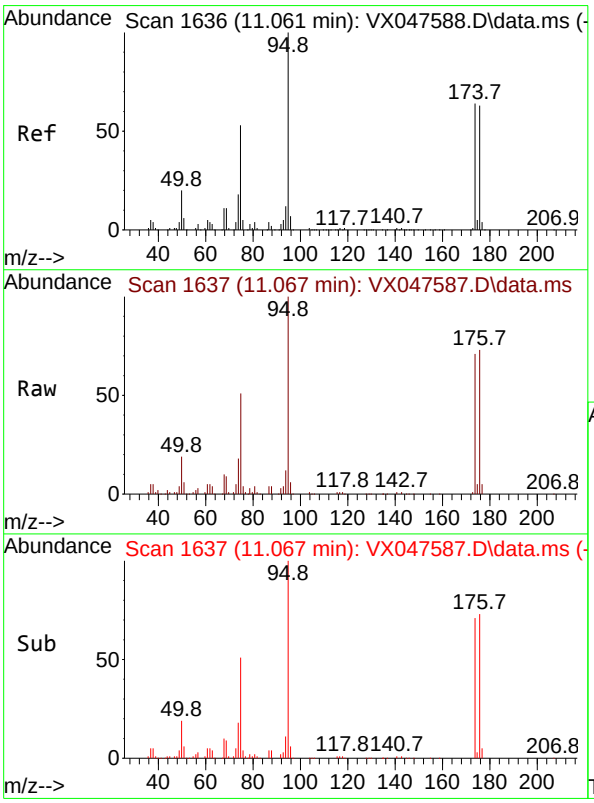
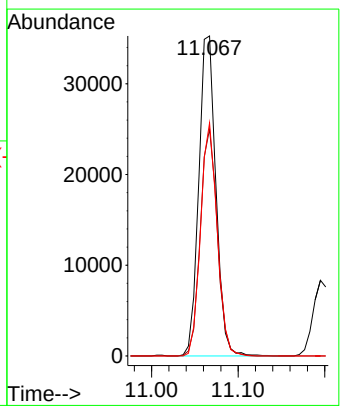
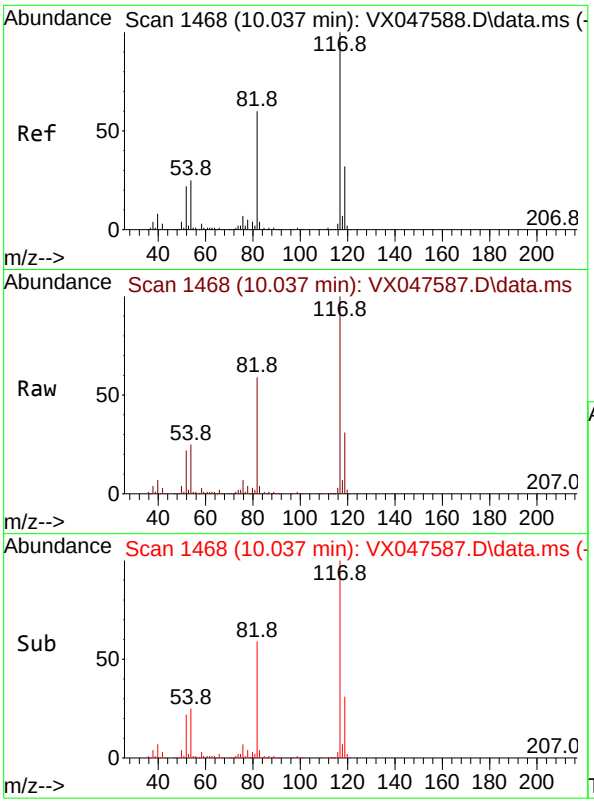


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 29862

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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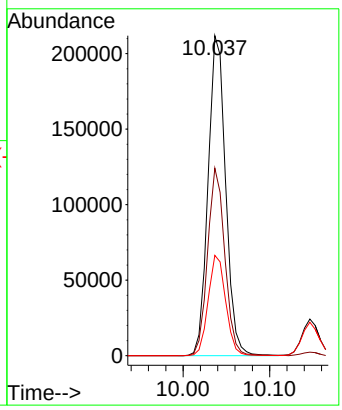
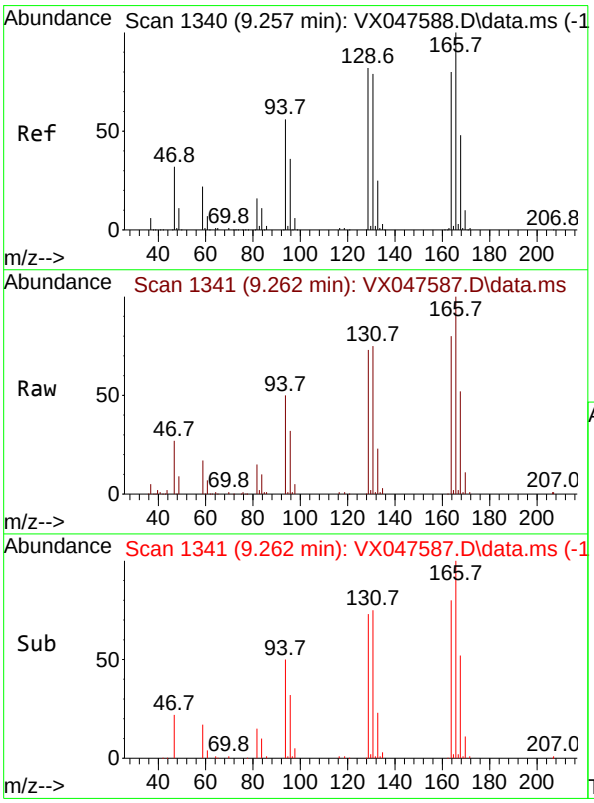
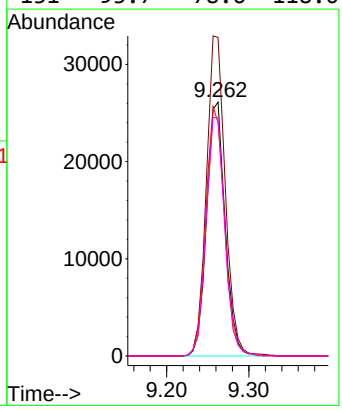


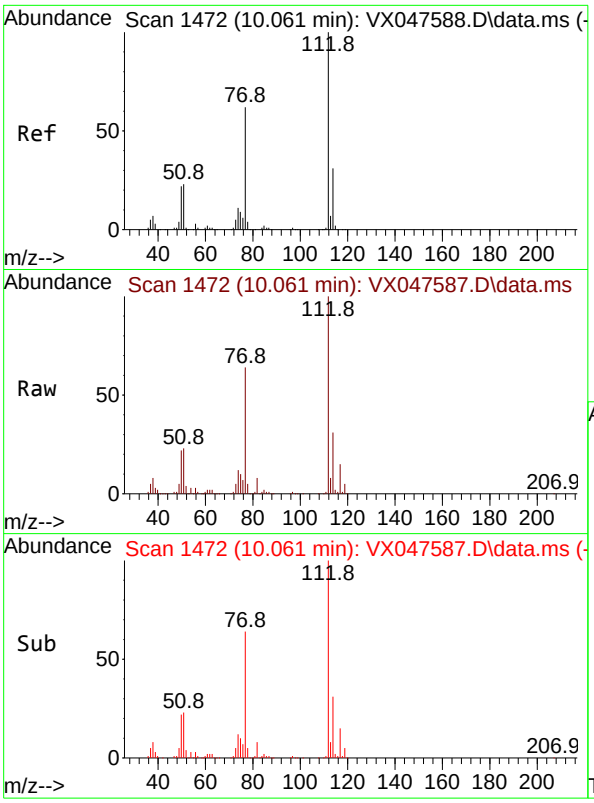


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0





#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:112 Resp: 14064

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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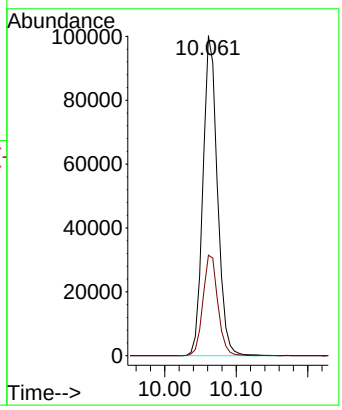
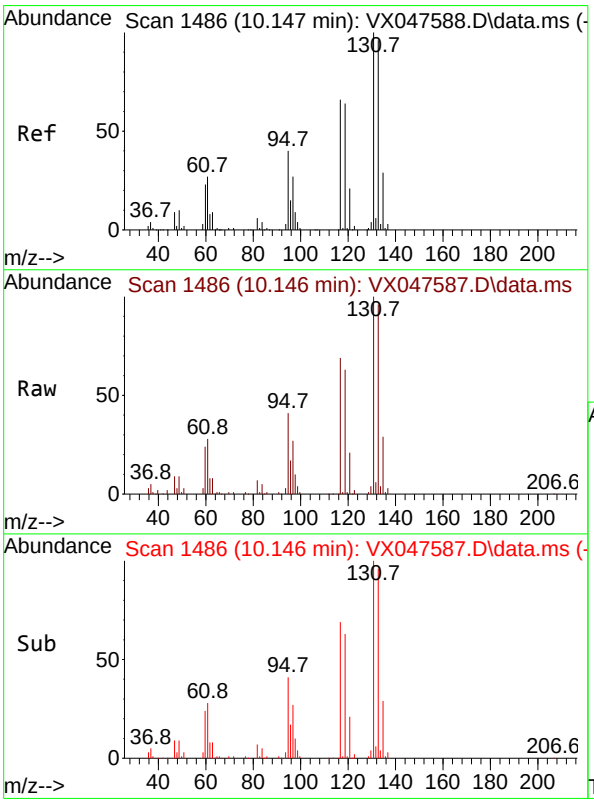
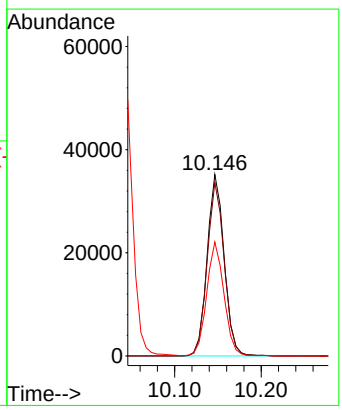


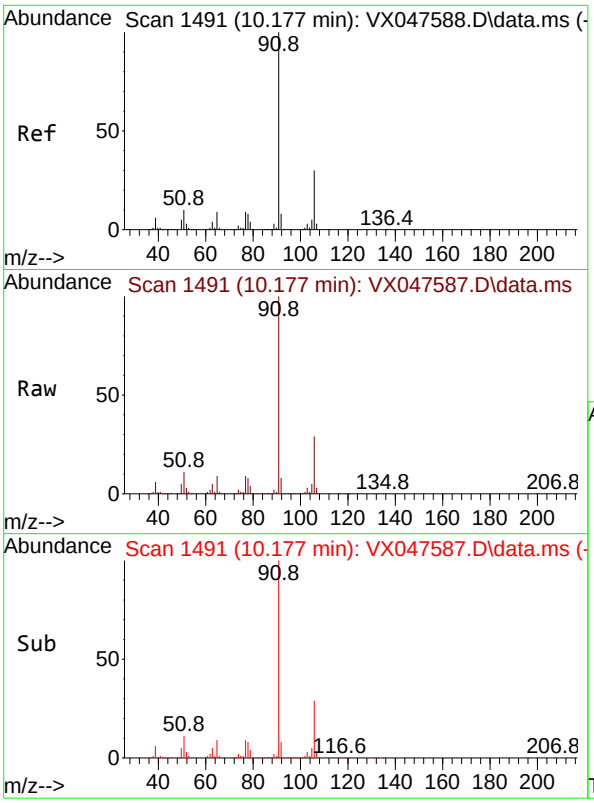


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0





#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 24473

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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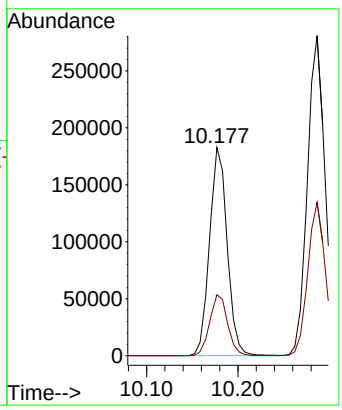
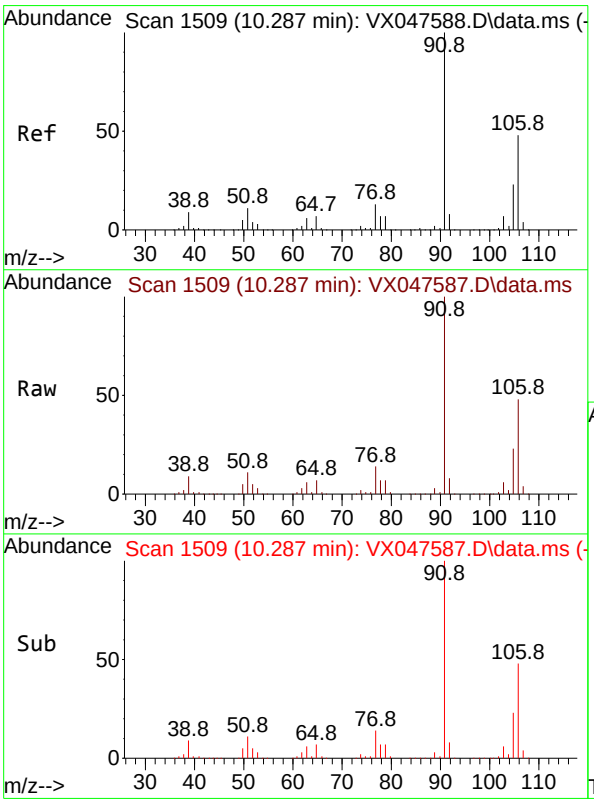
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

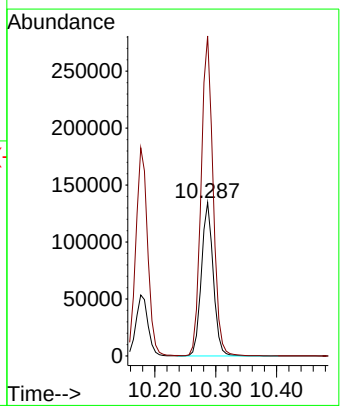


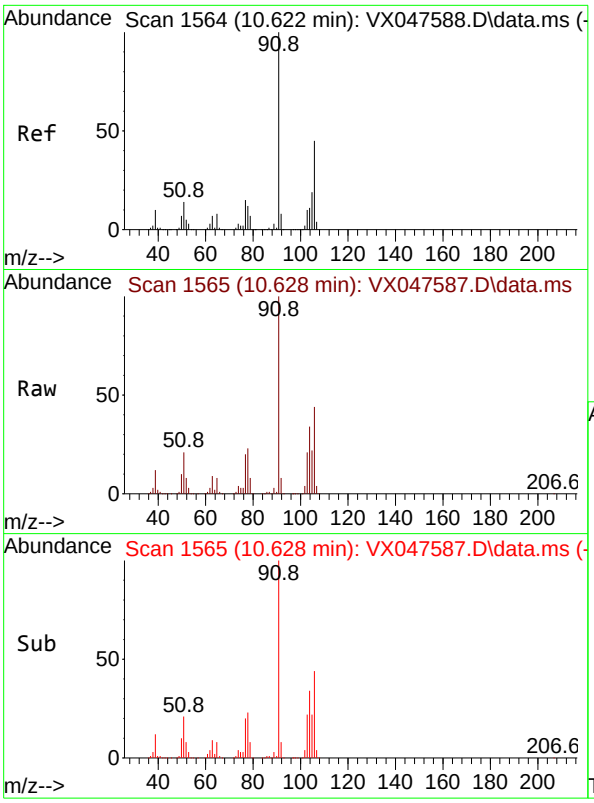


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8

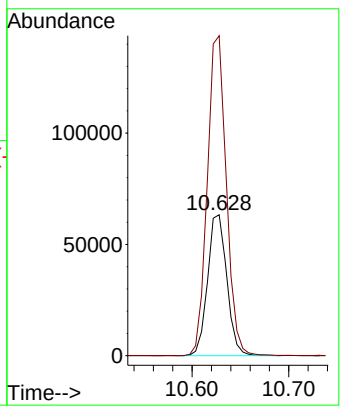




#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 8765

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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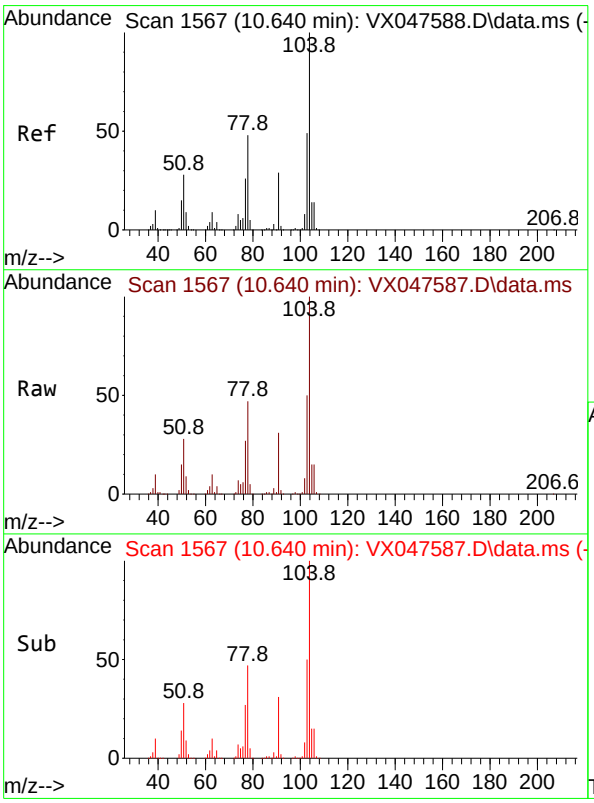
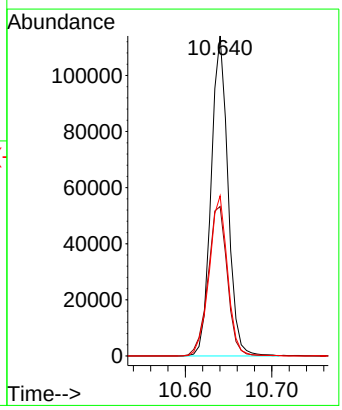
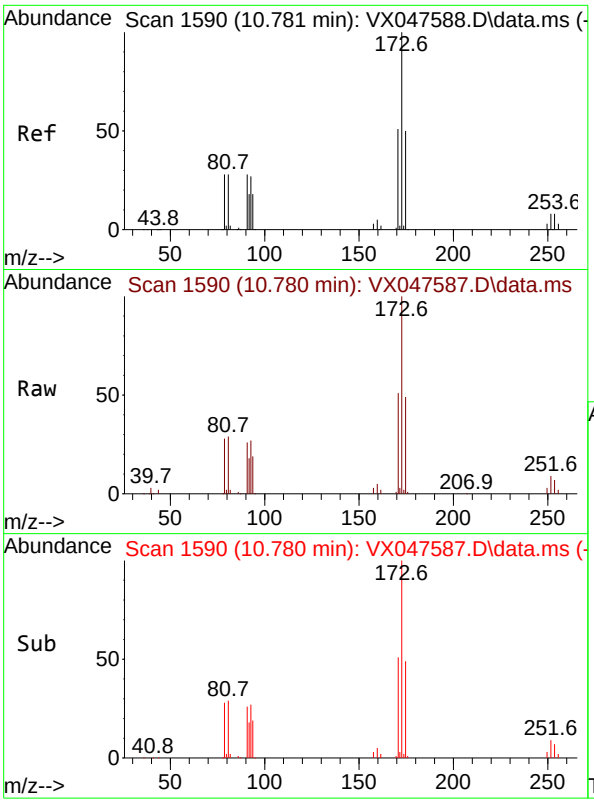


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7

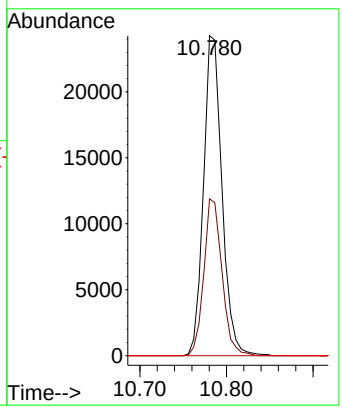




#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:173 Resp: 3592

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
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ClientSampleId :
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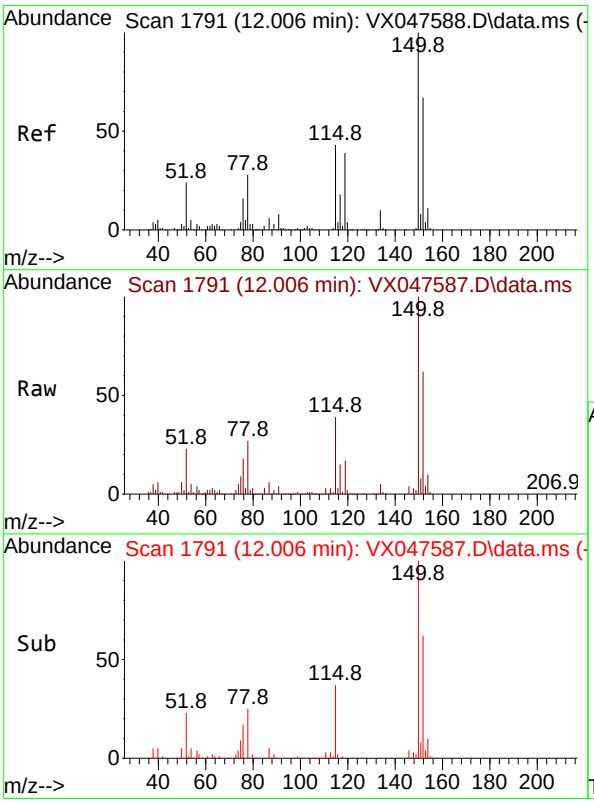
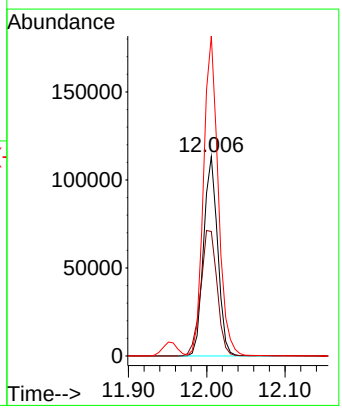
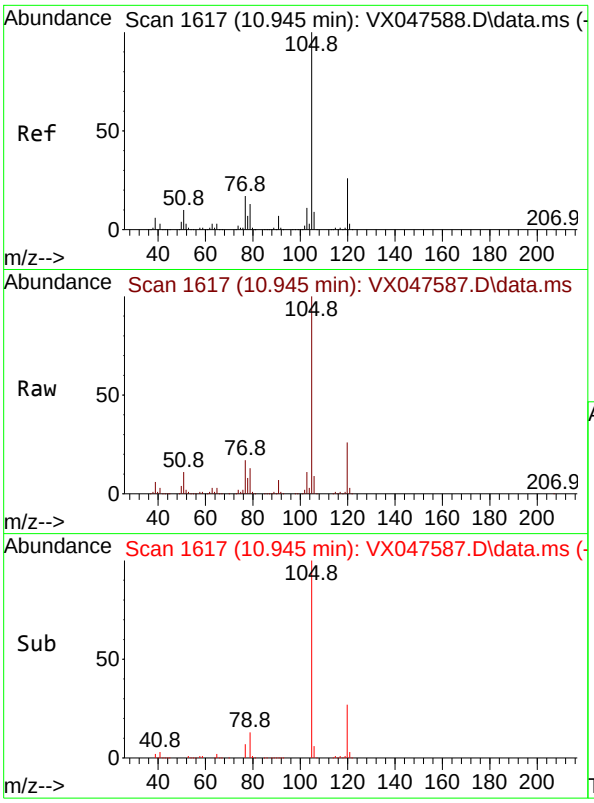


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0

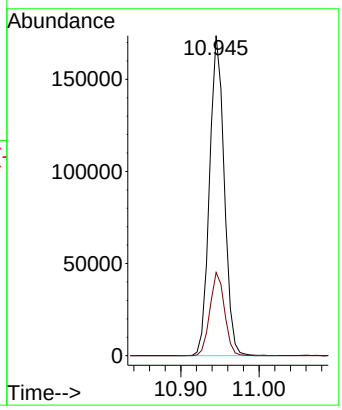




#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22573

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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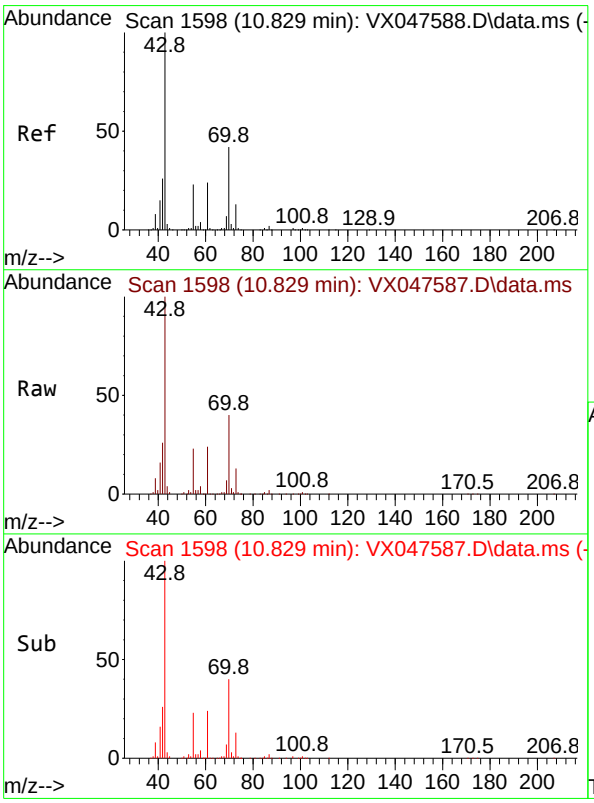
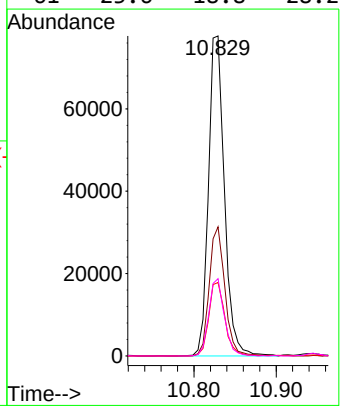
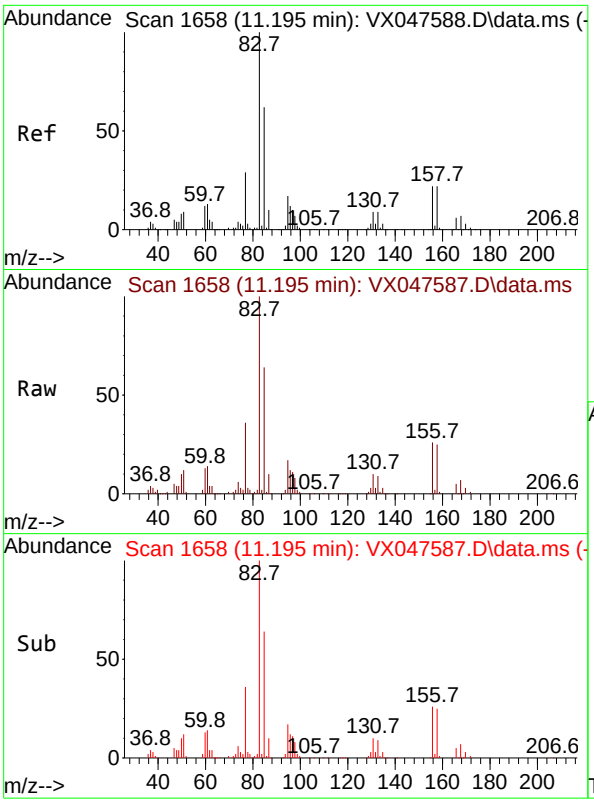


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2

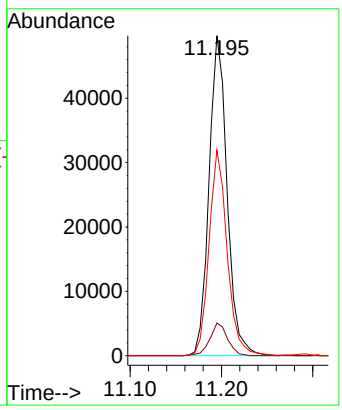




#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 6813

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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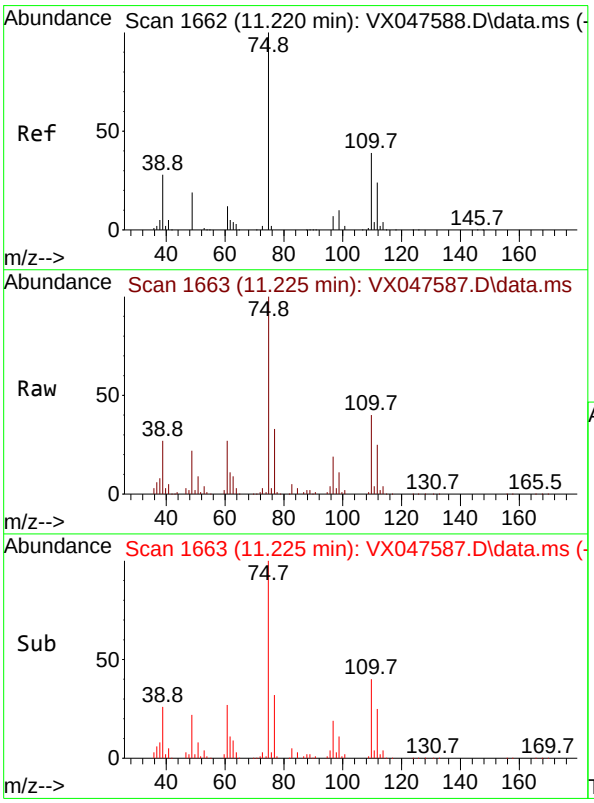
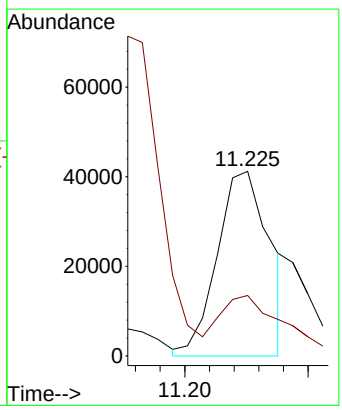
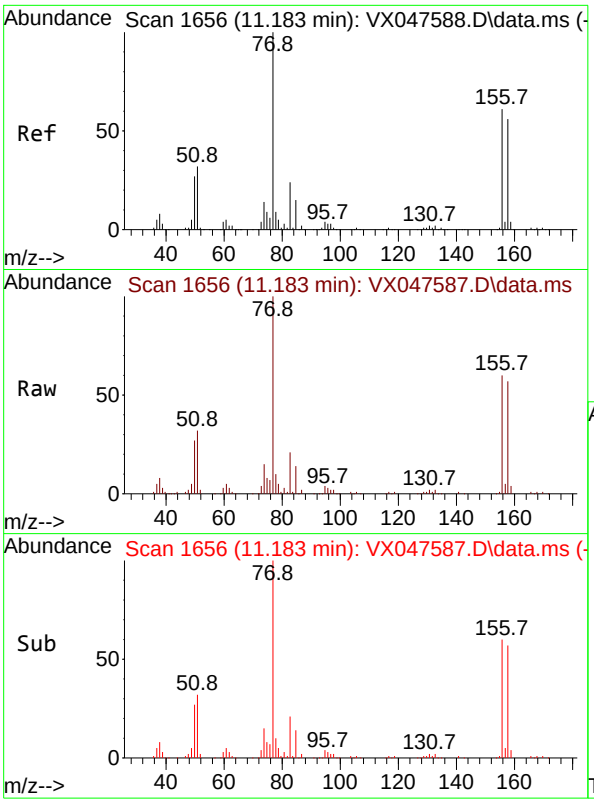


#76
1,2,3-Trichloropropane
Concen: 20.680 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 60797

Ion	Ratio	Lower	Upper
75	100		
77	39.6	18.8	56.4

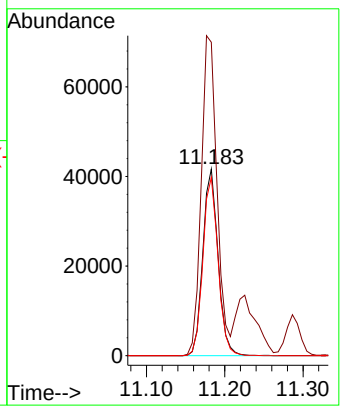




#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:156 Resp: 5616

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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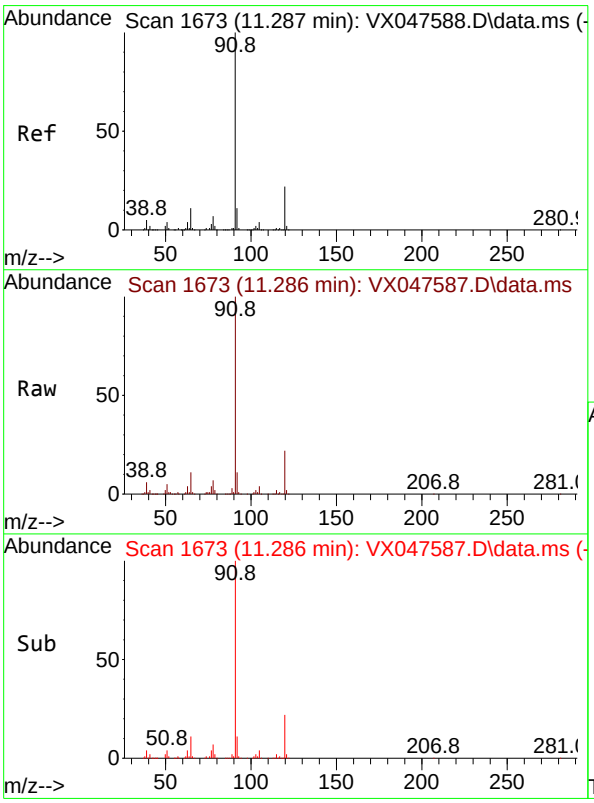
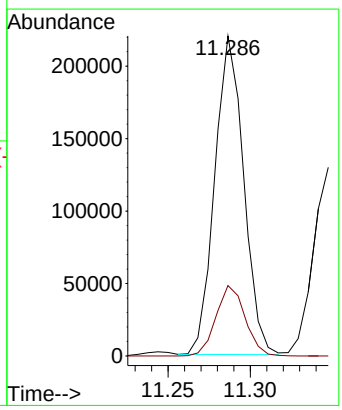
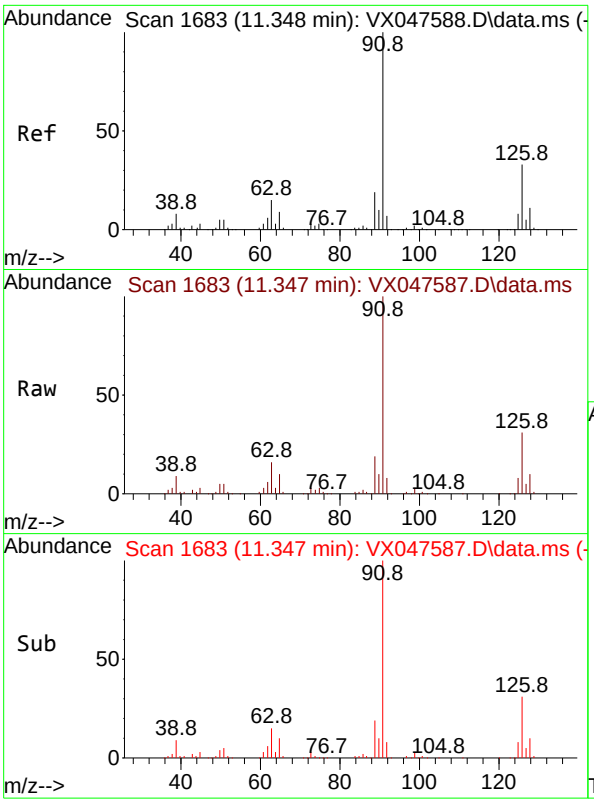


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 16623

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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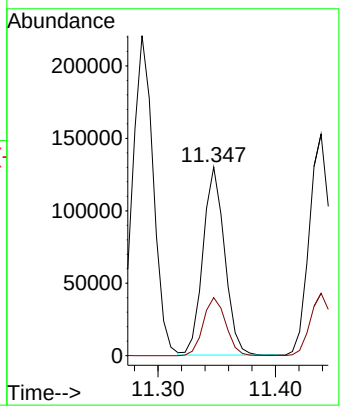
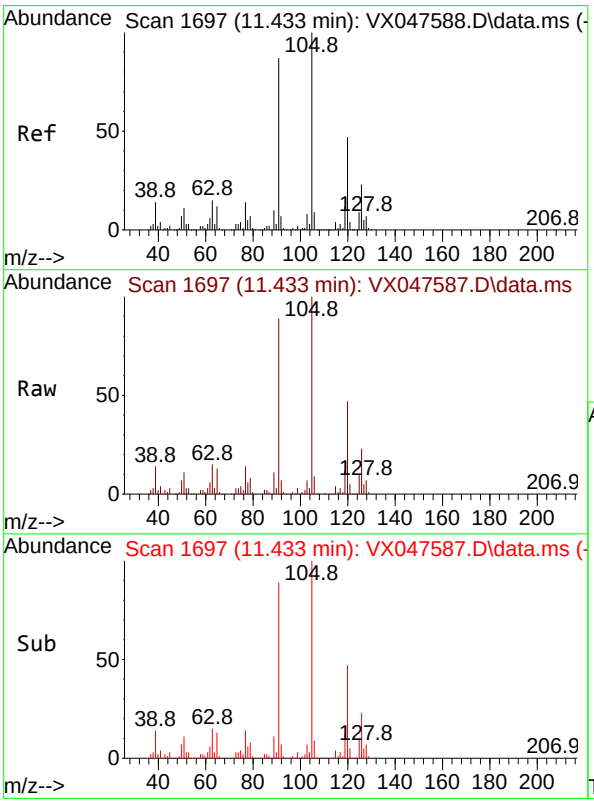
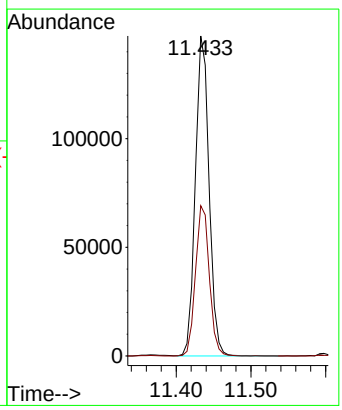


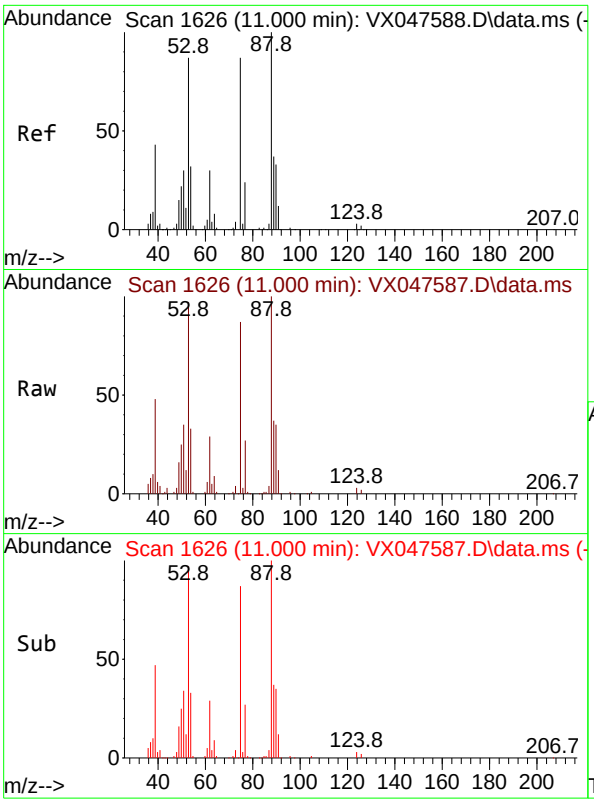


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 2155

Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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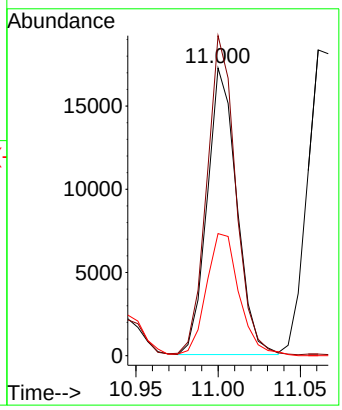
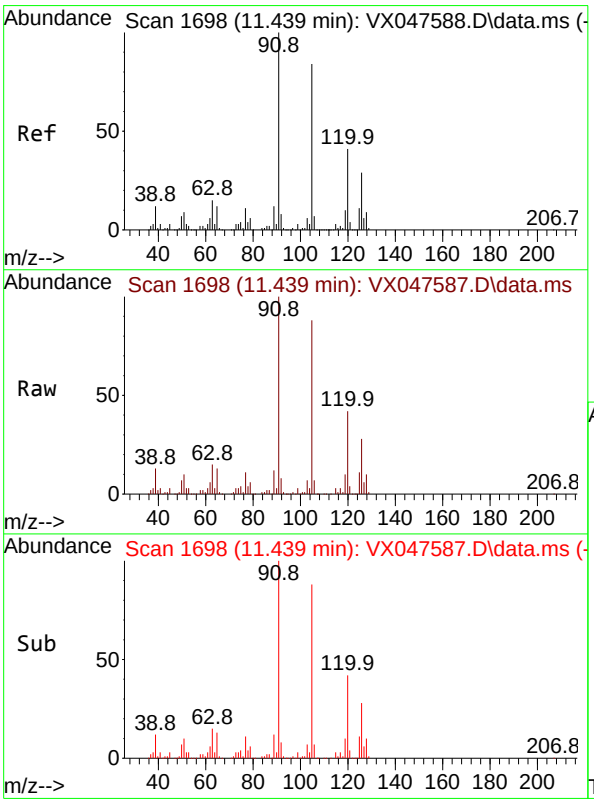
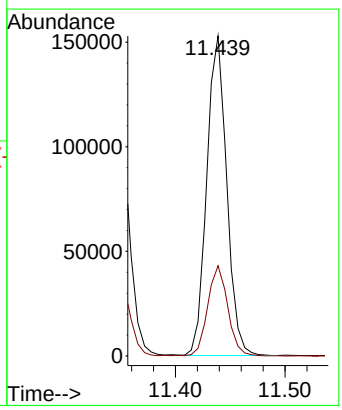


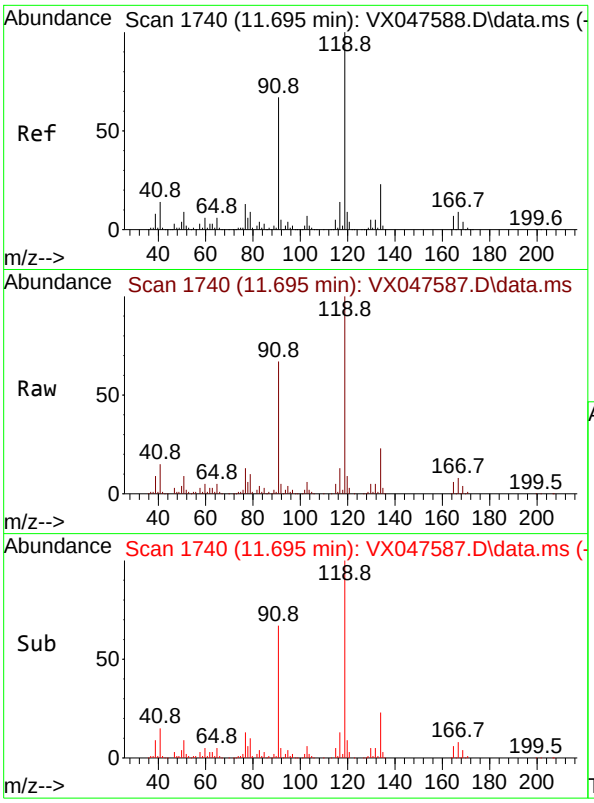


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

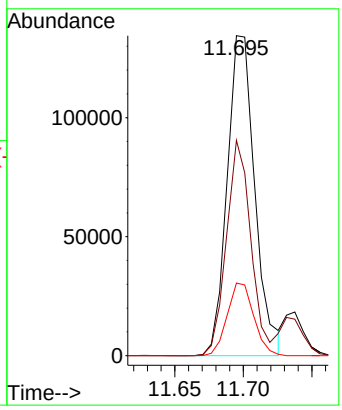




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 18948

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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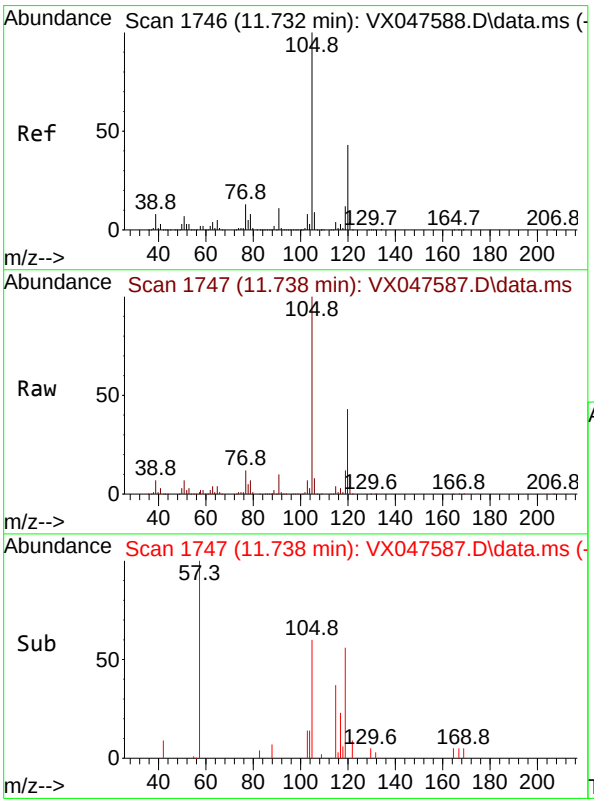
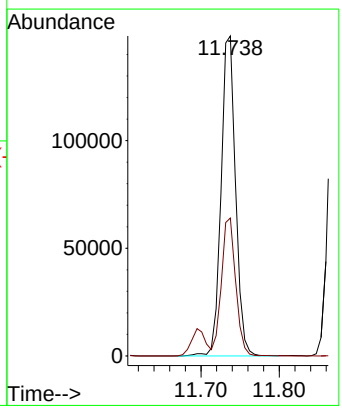
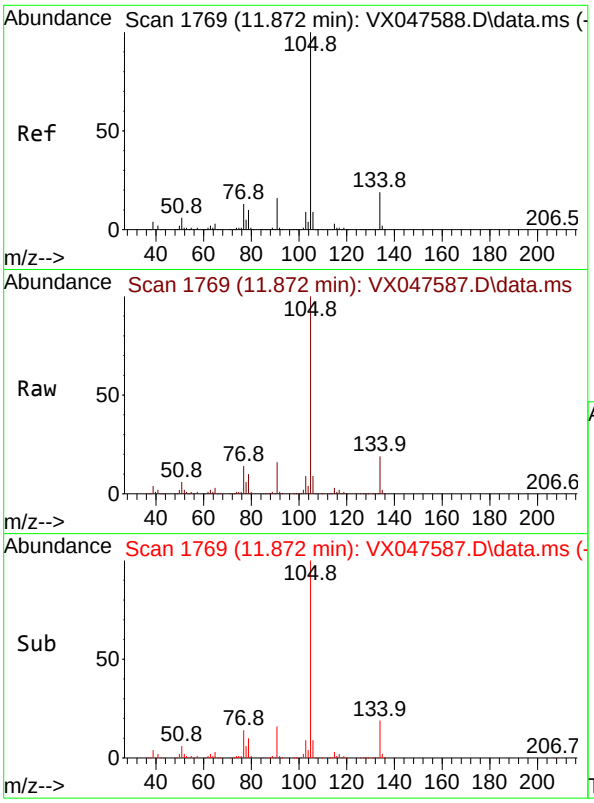


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1

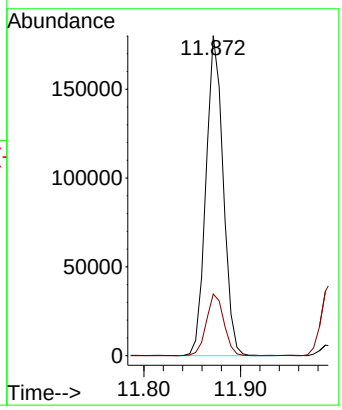




#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22343

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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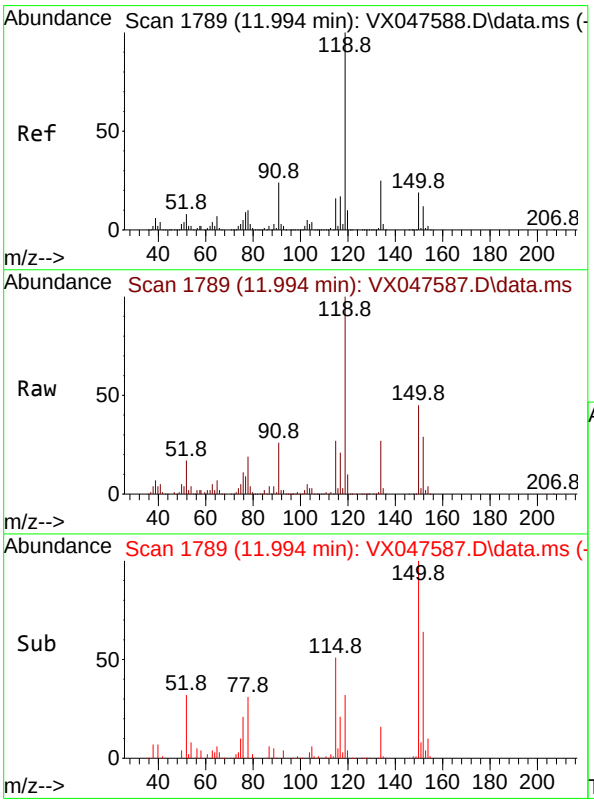
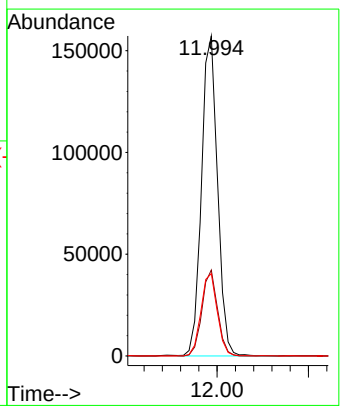
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

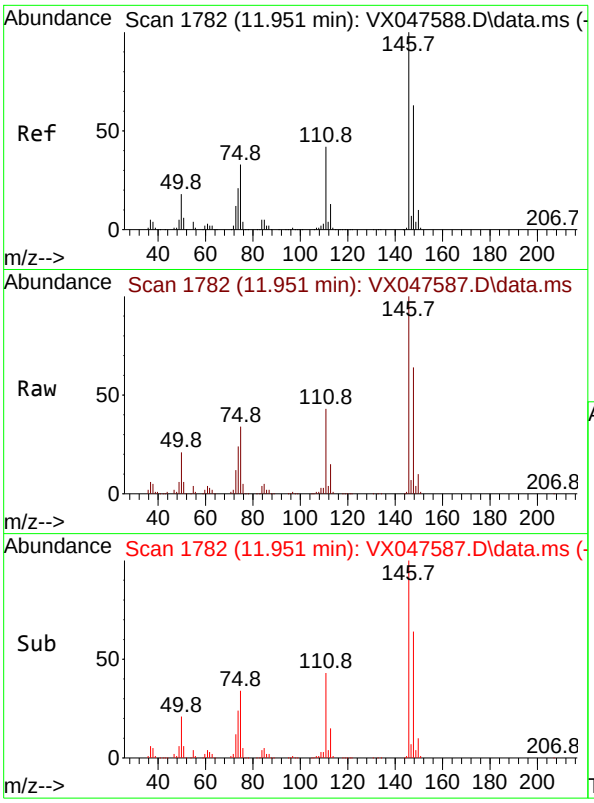


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6

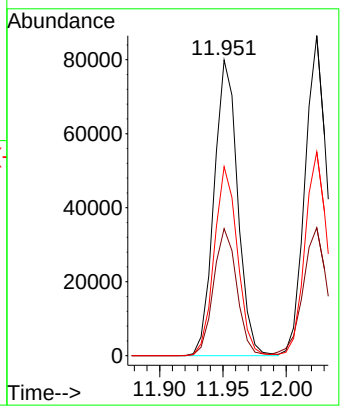




#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 10358

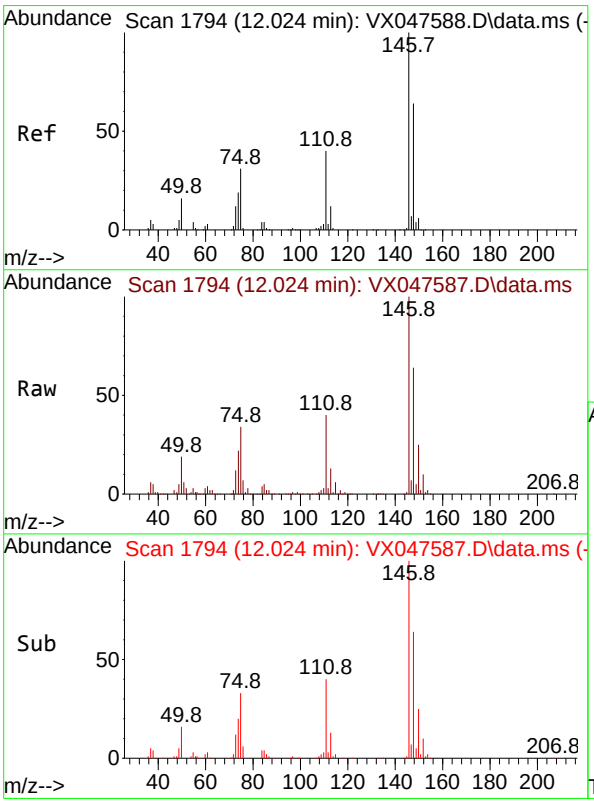
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

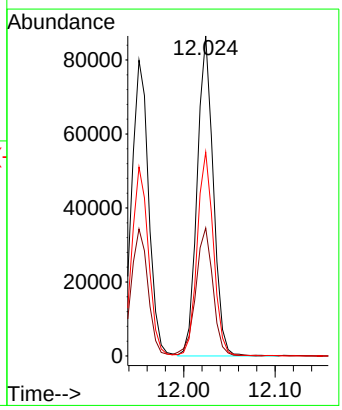
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

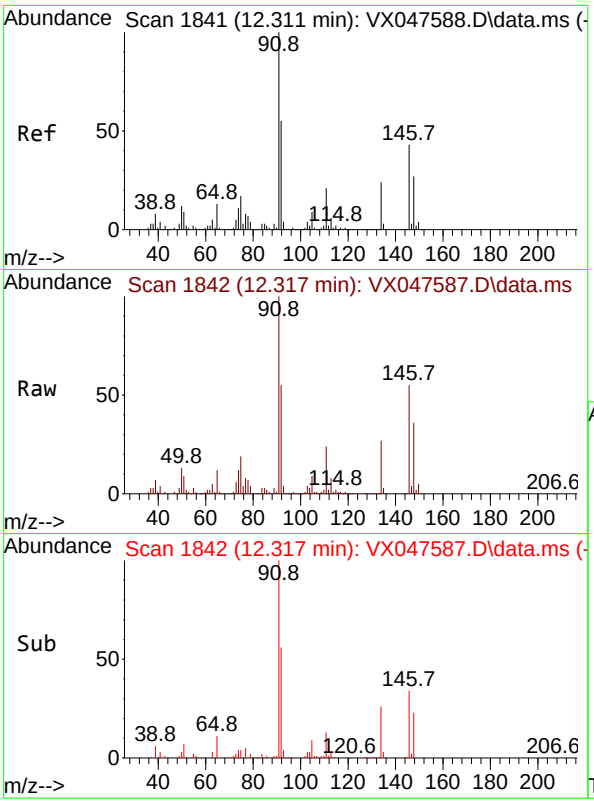


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1

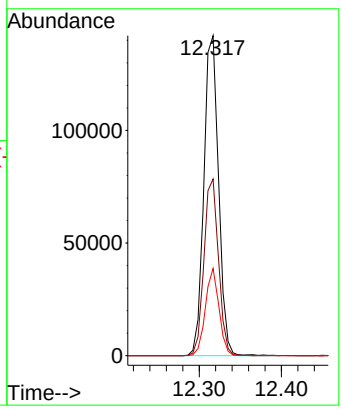




#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 17637

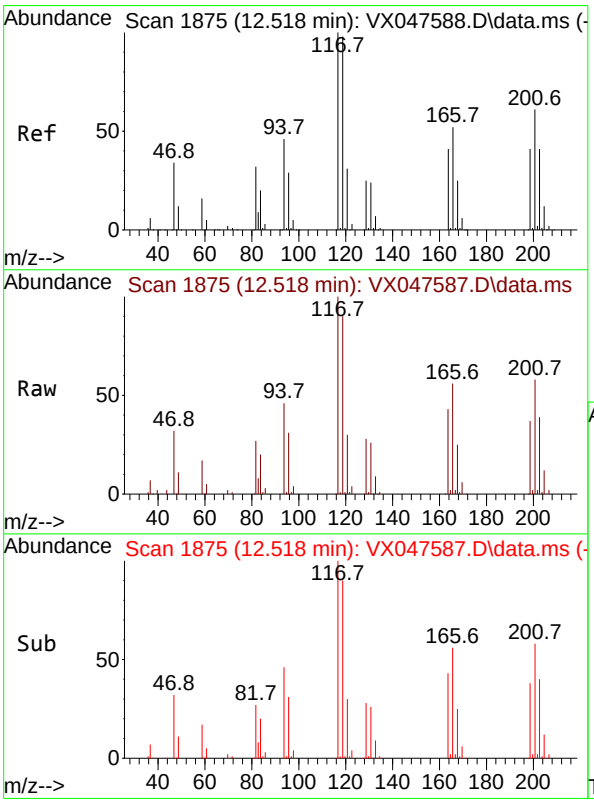
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

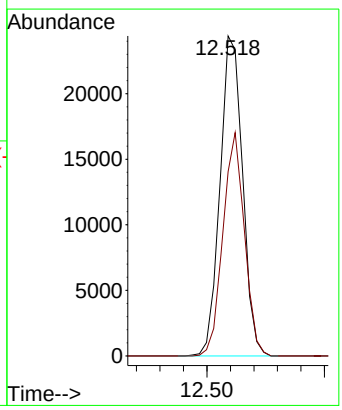
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

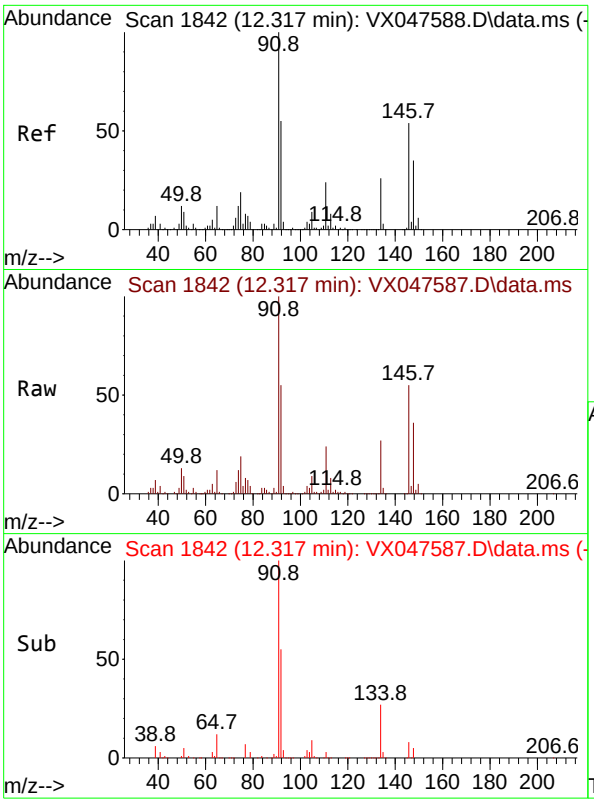


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

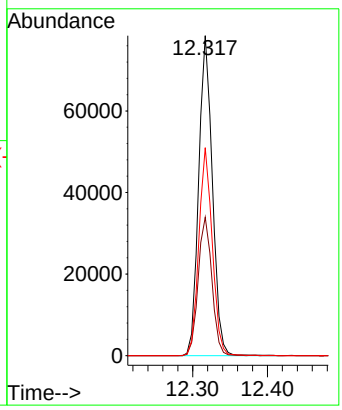




#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 9949

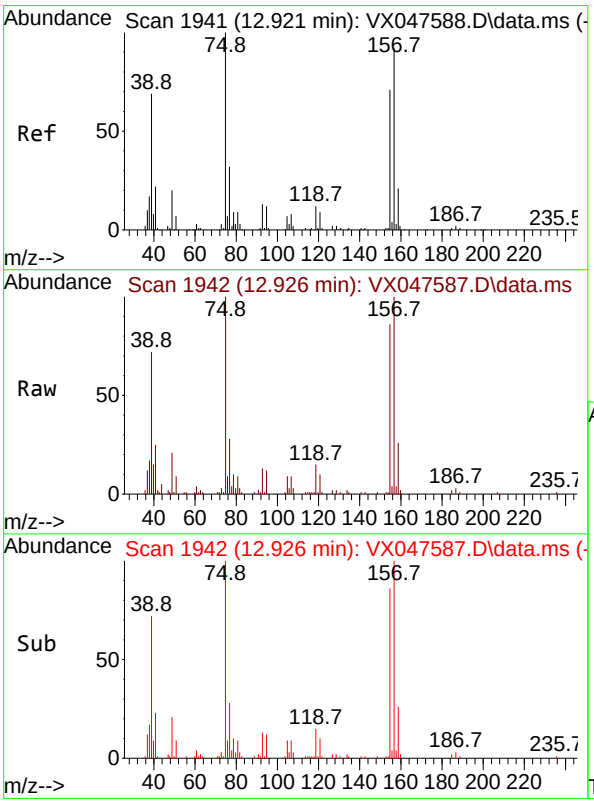
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

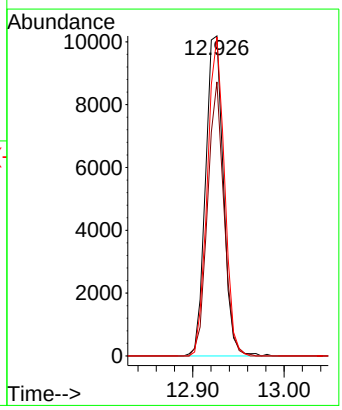
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

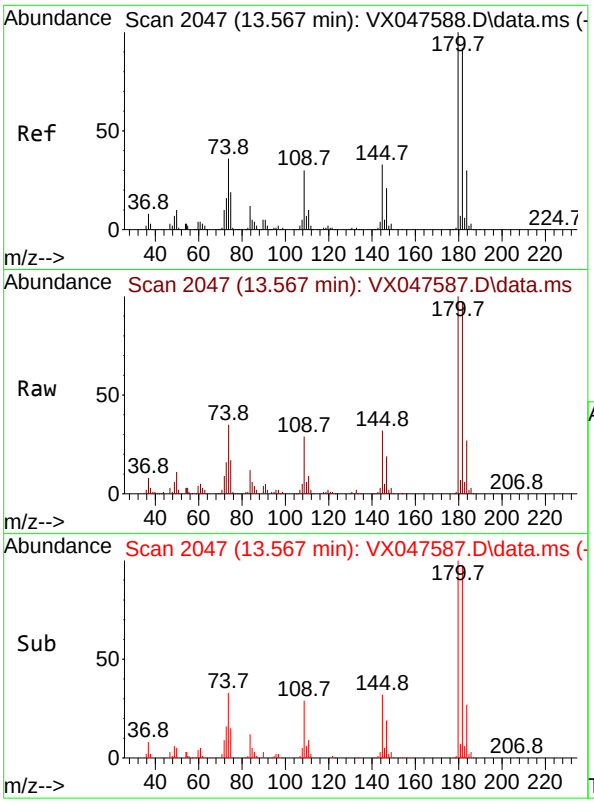


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4

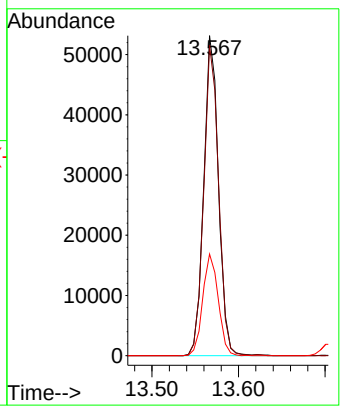




#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 6272

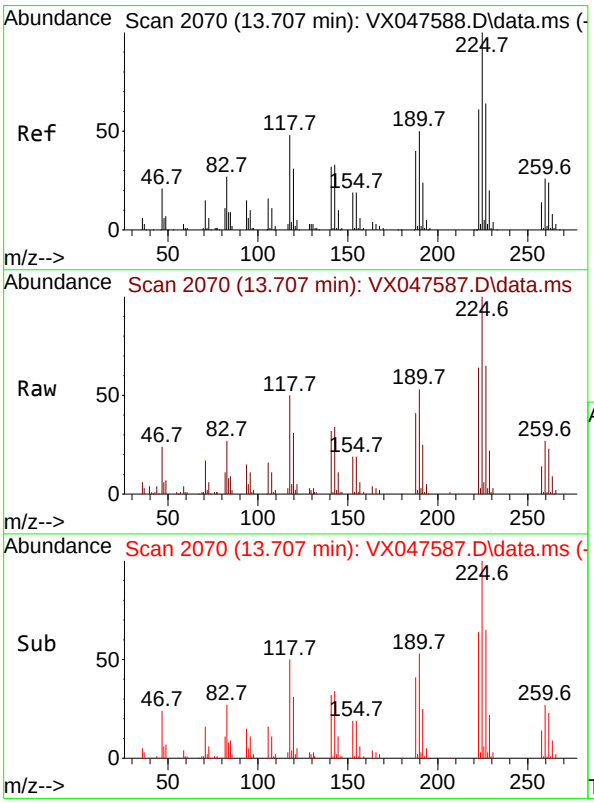
Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

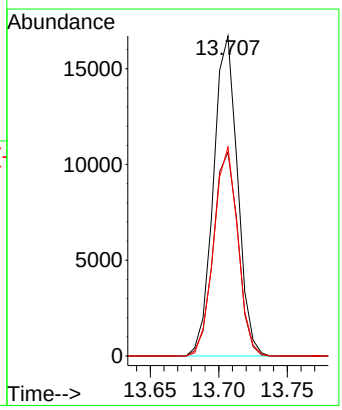
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

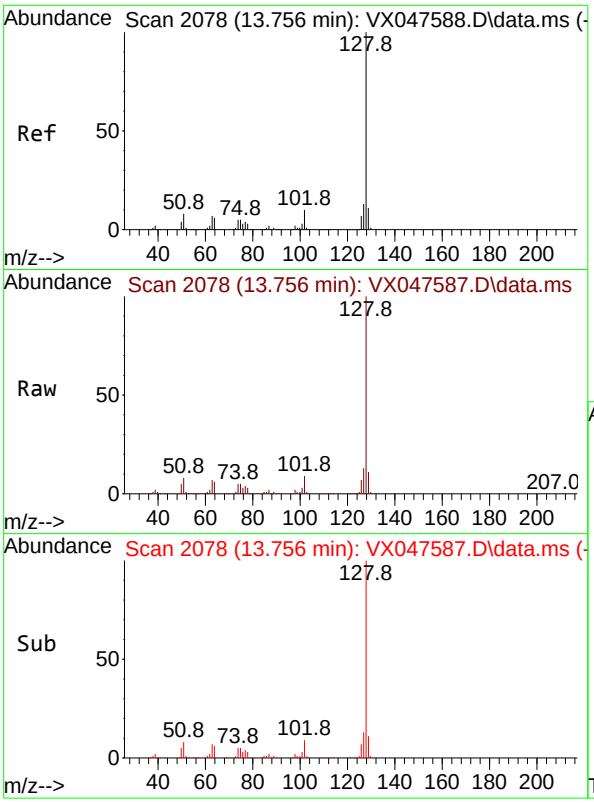


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0

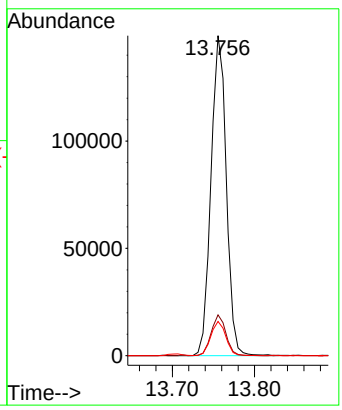




#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:128 Resp: 19313

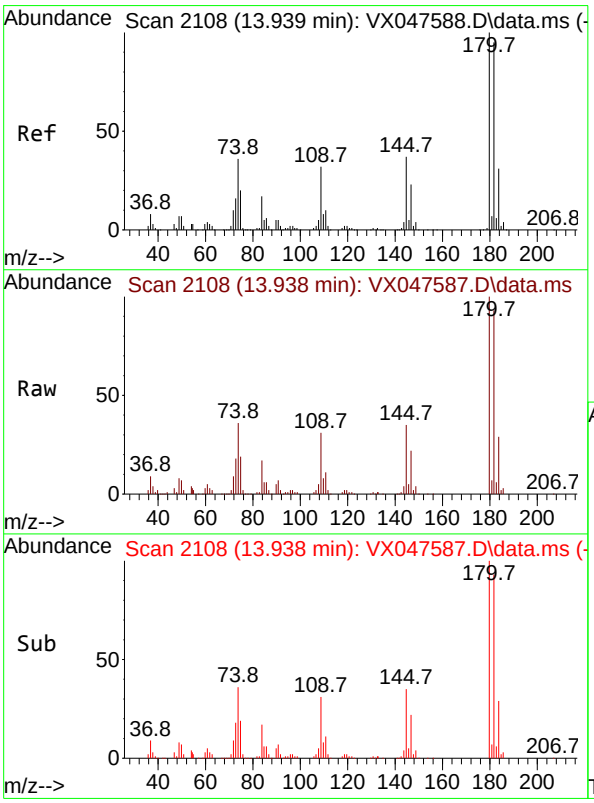
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

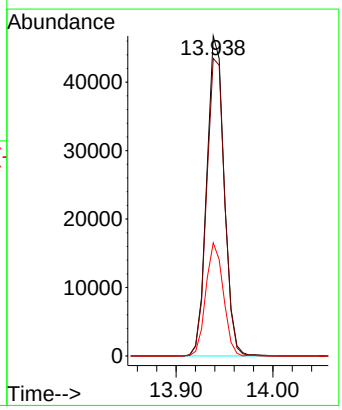
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.800%			
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	144074m	54.322	ug/l		
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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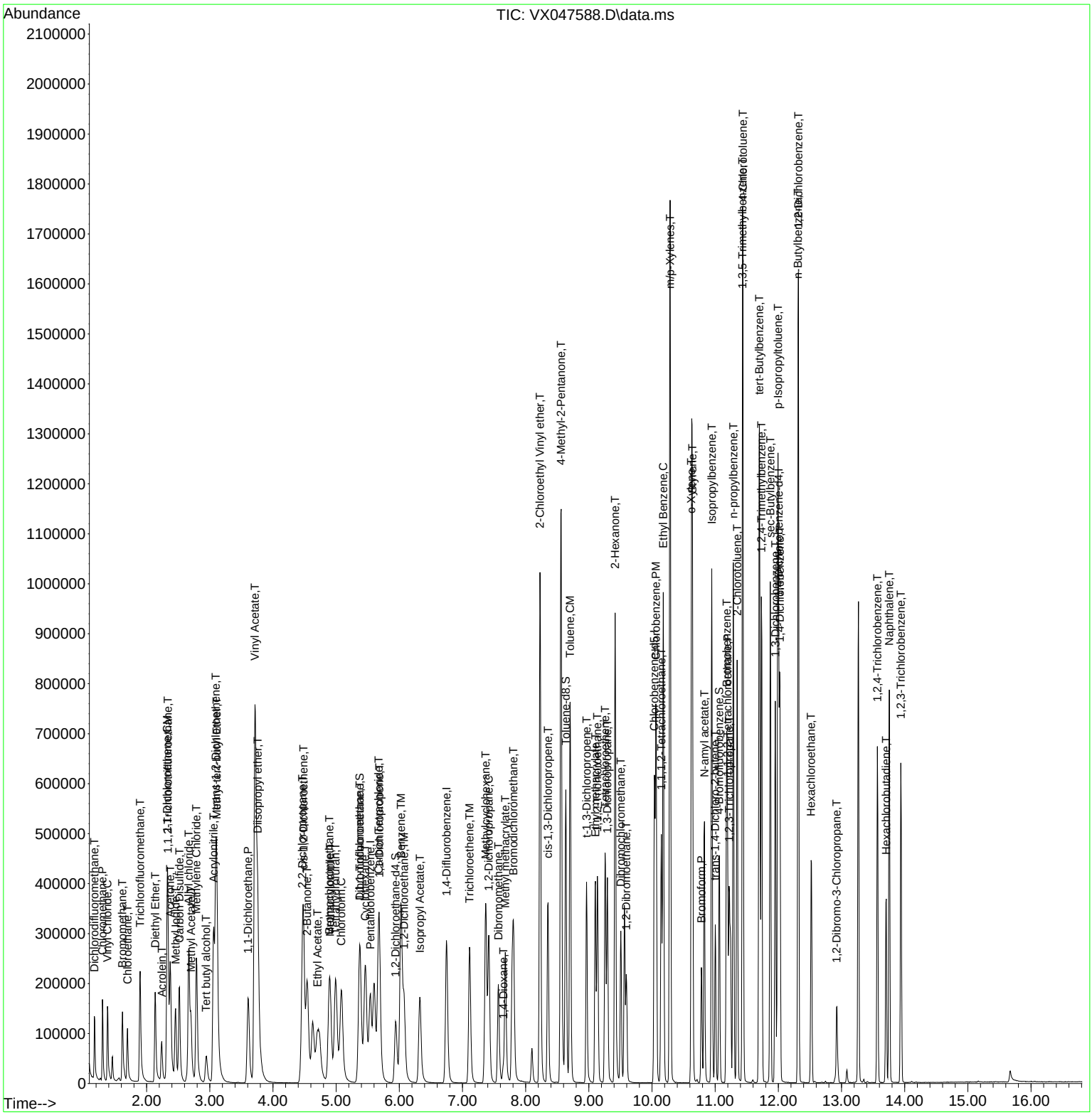
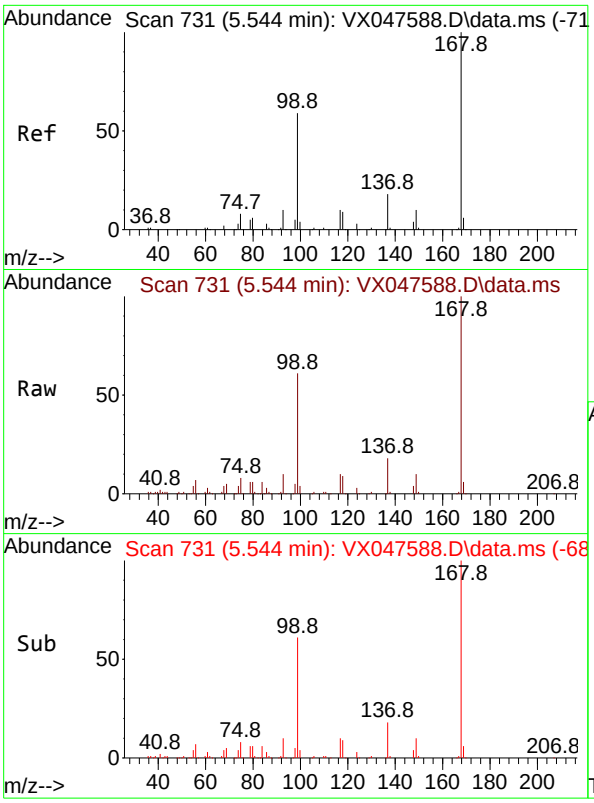
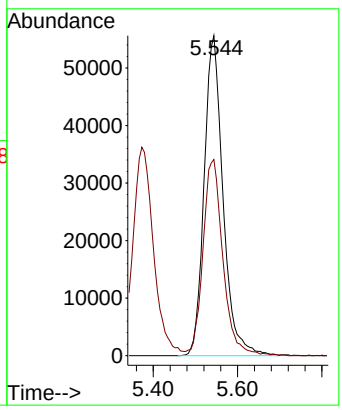




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:168 Resp: 17340

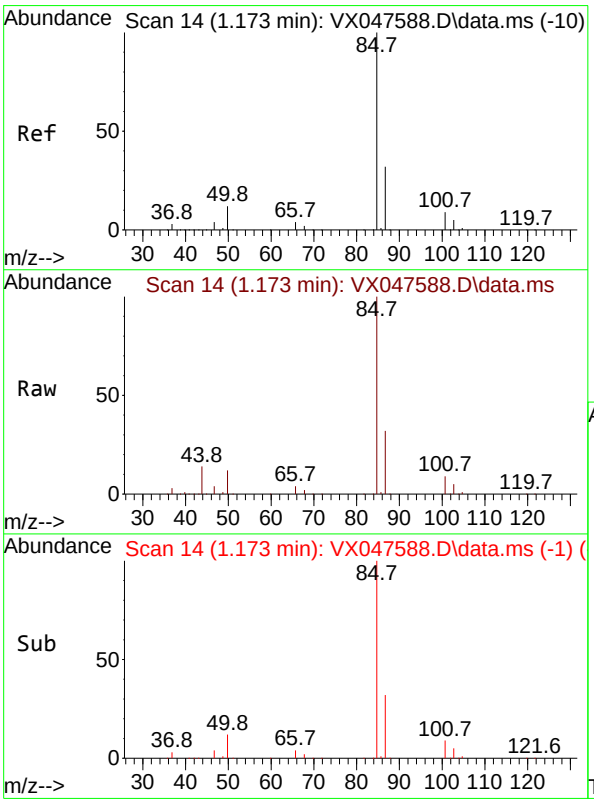
Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

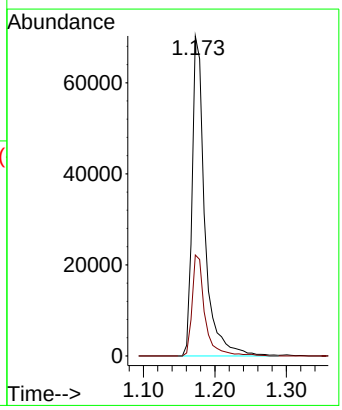
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

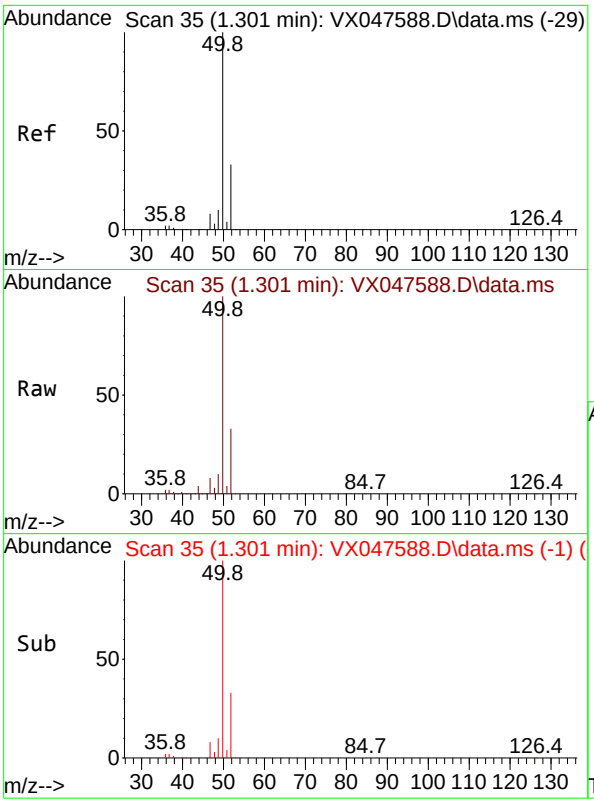


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

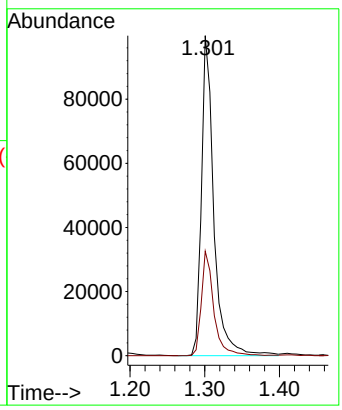




#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 50 Resp: 11468

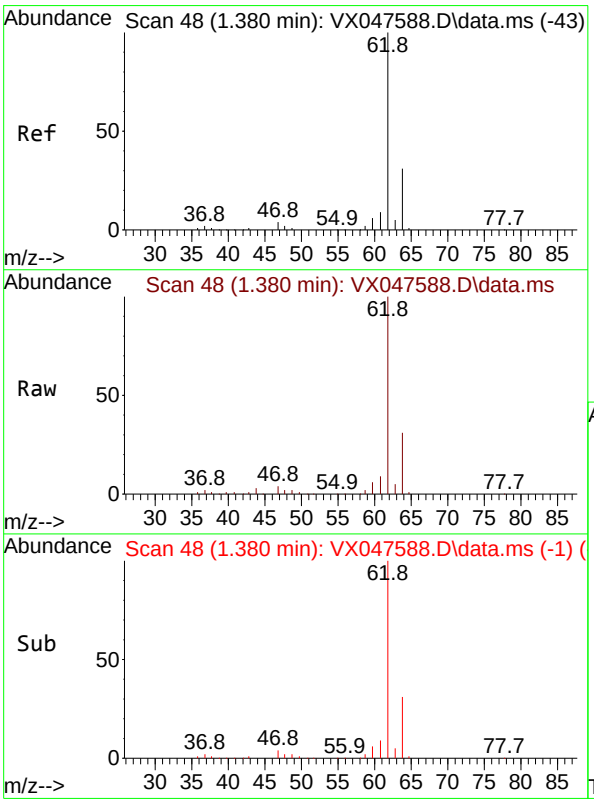
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

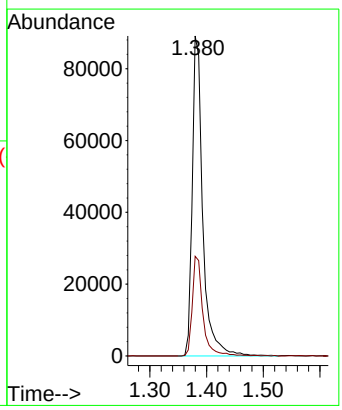
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

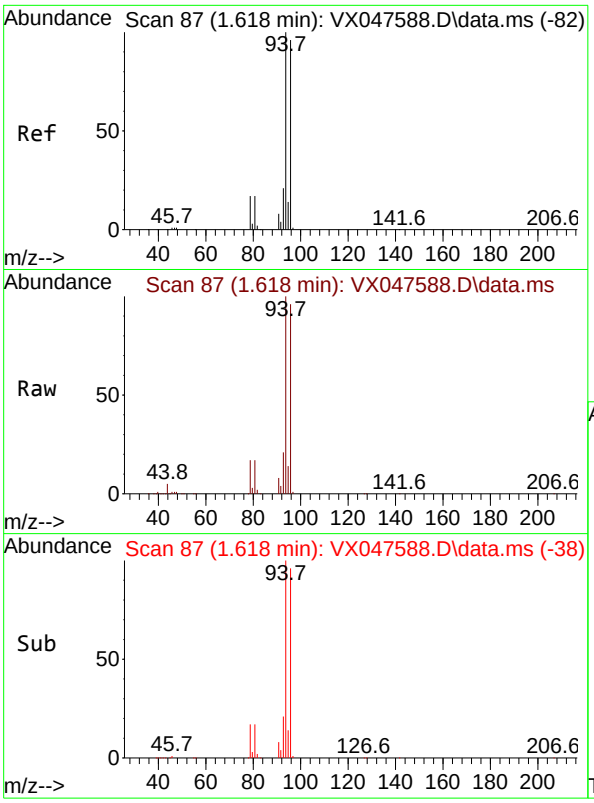


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

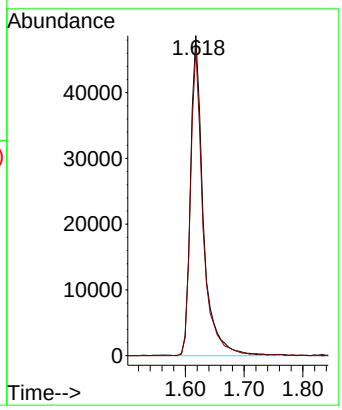




#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 94 Resp: 7356

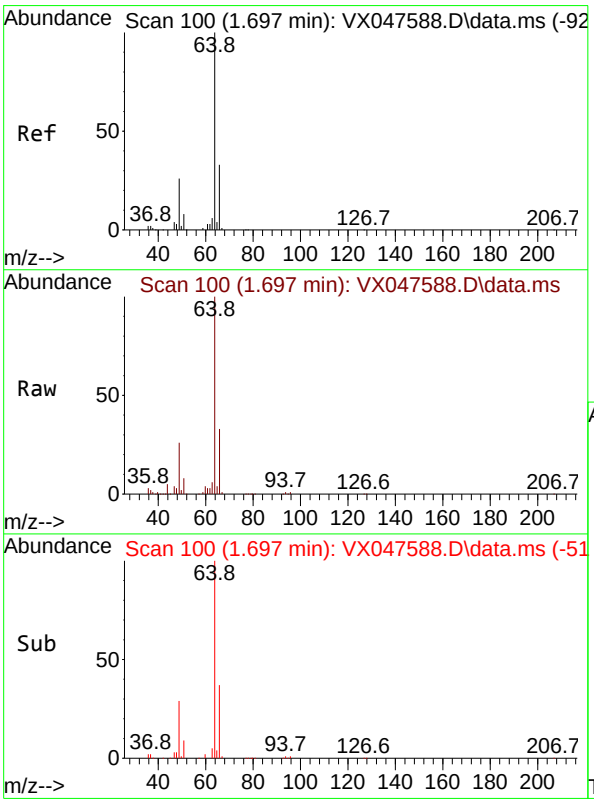
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

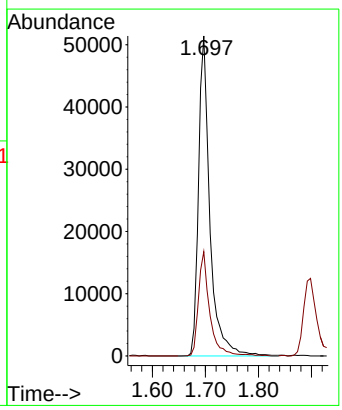
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

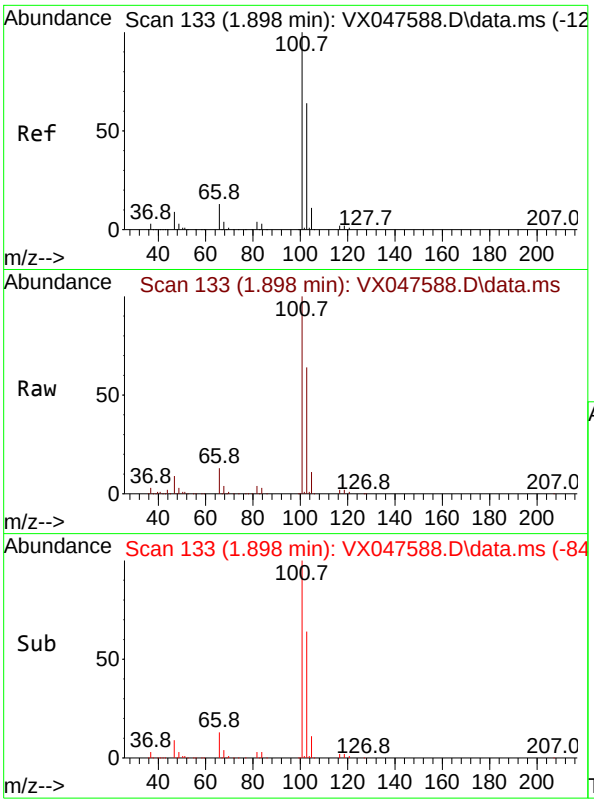


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1





#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

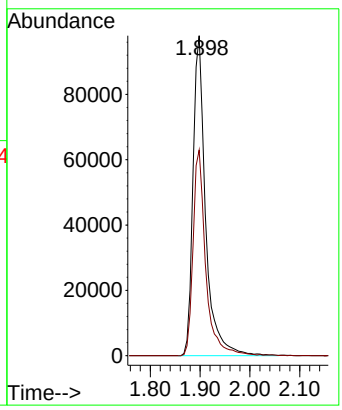
Tgt Ion:101 Resp: 17256

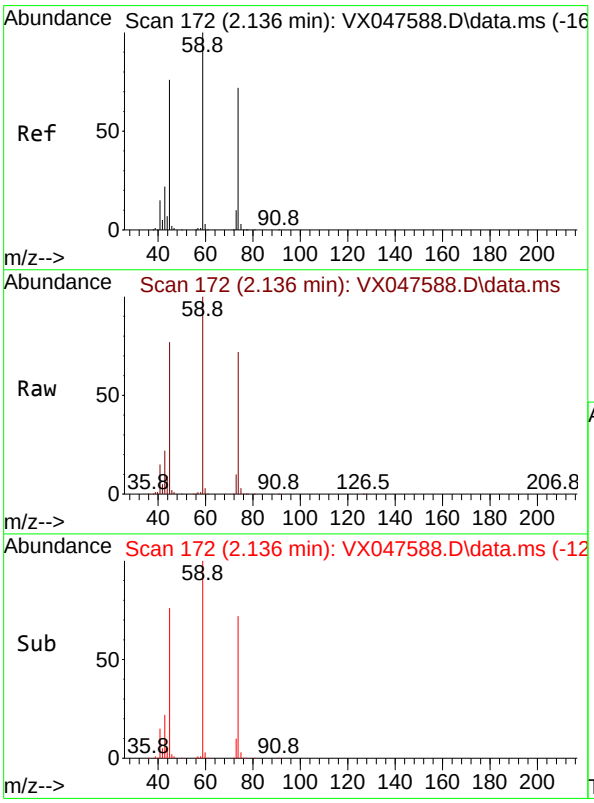
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

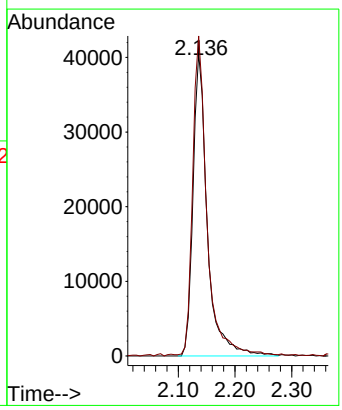


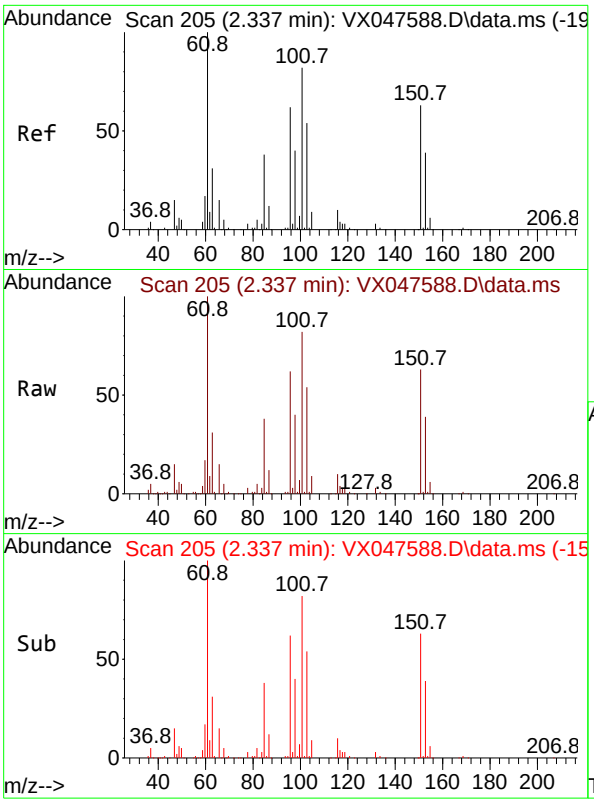


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8

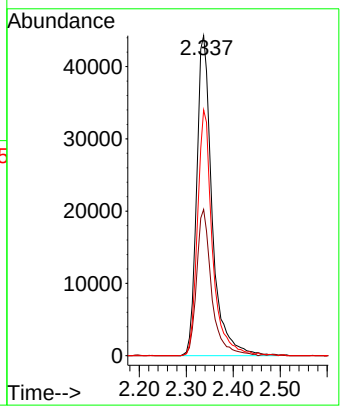




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 10117

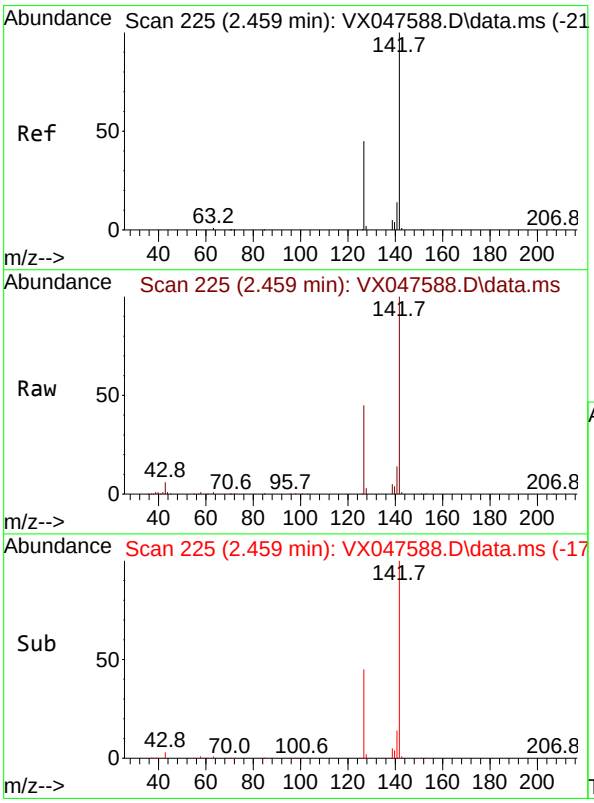
Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

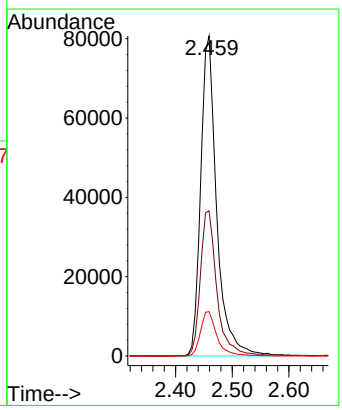
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

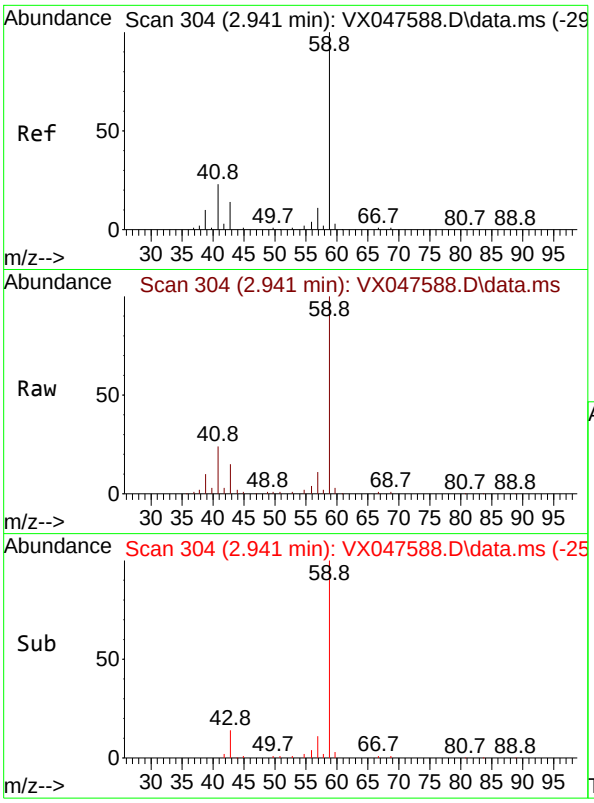


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0

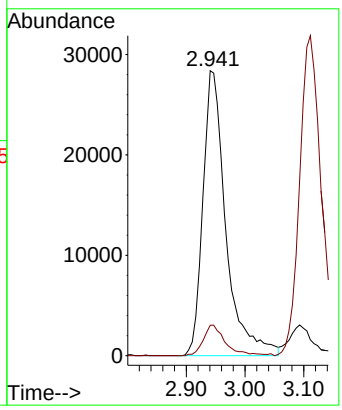




#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 59 Resp: 7723

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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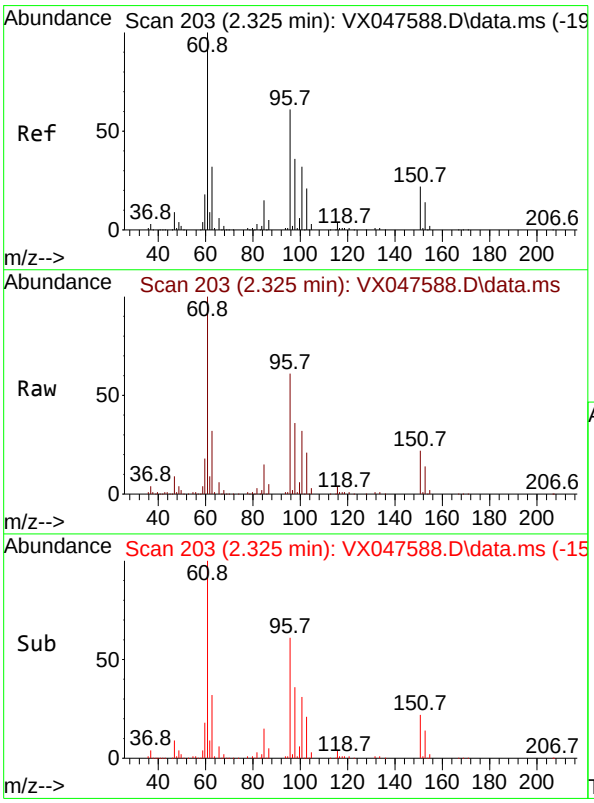
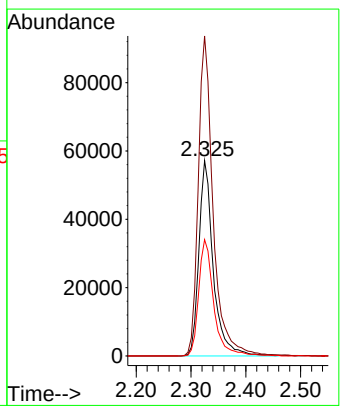
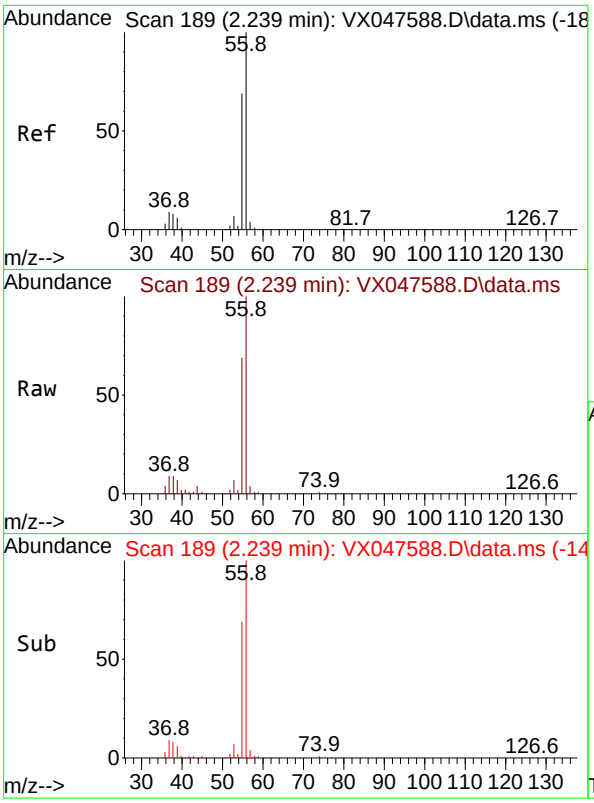


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5

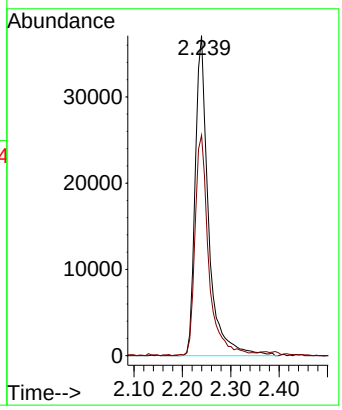




#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 7072

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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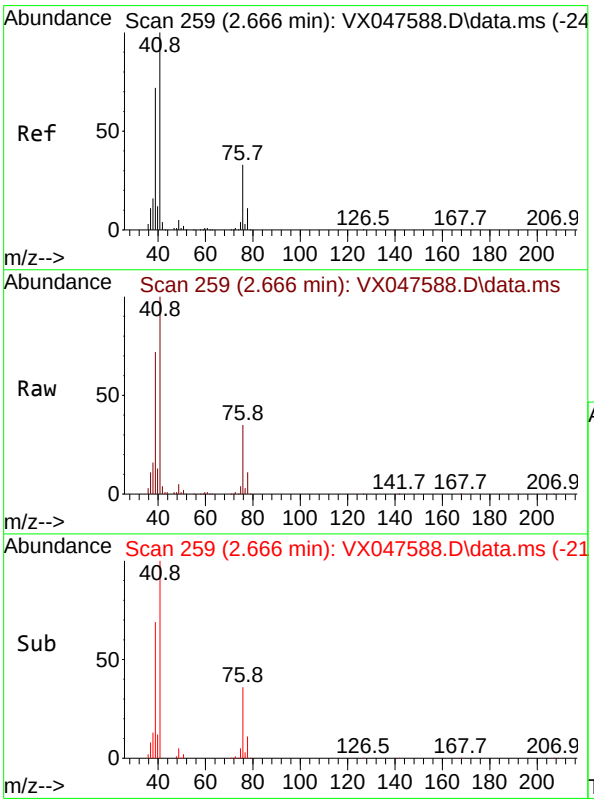
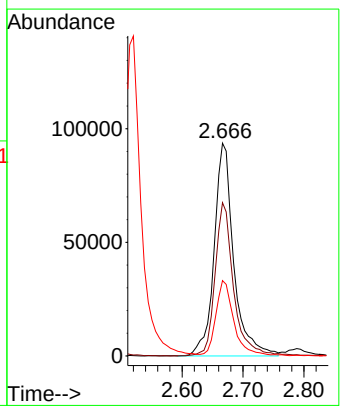
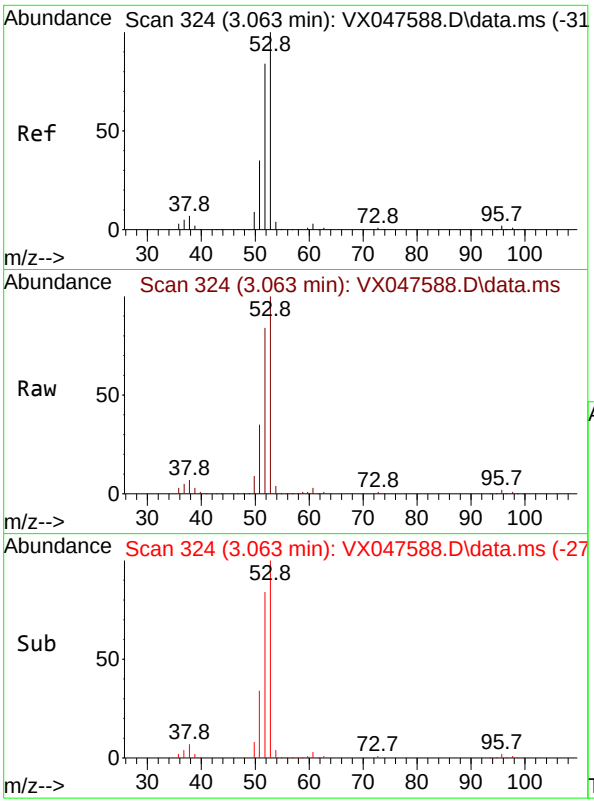


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5

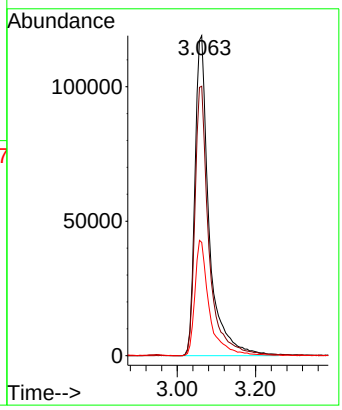




#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 53 Resp: 30064

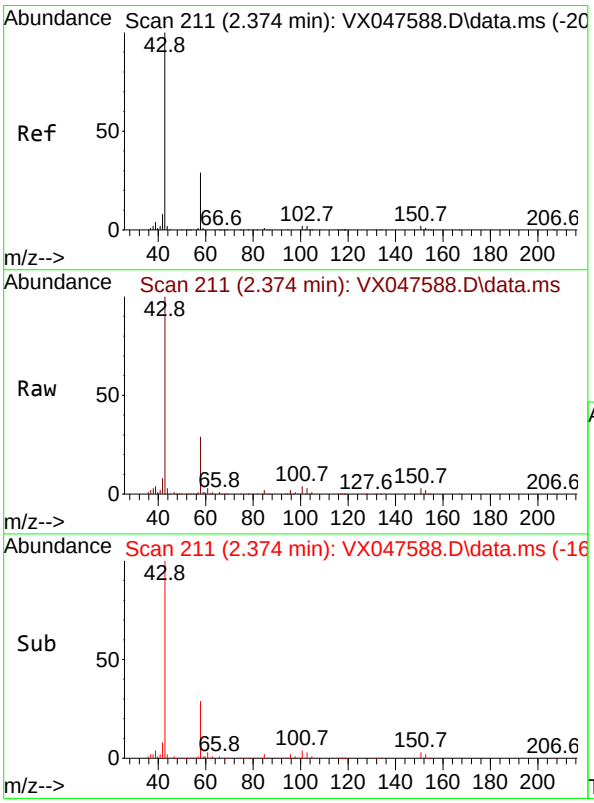
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

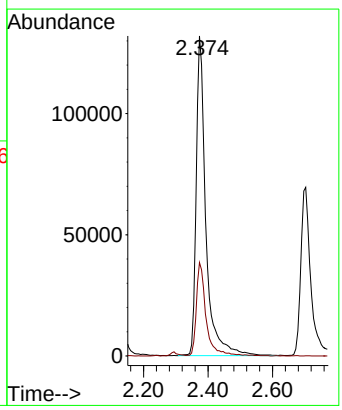
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

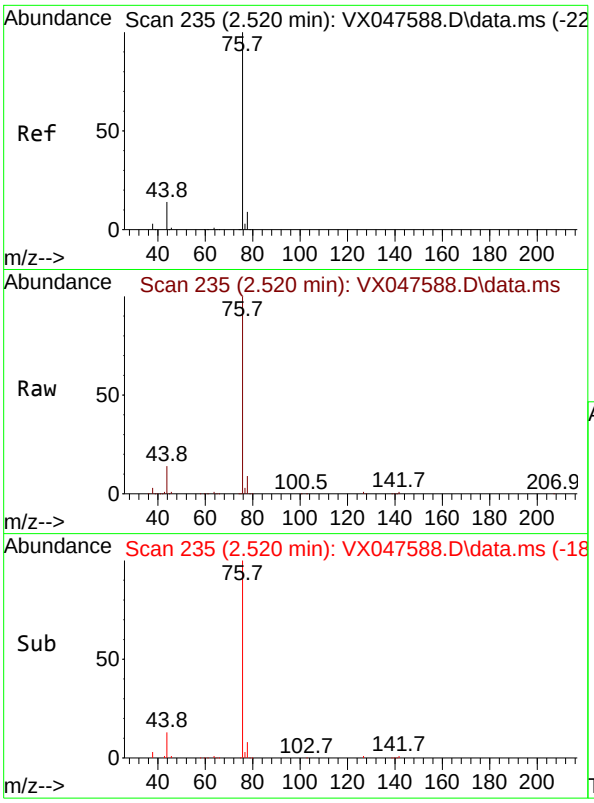


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0





#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 27148

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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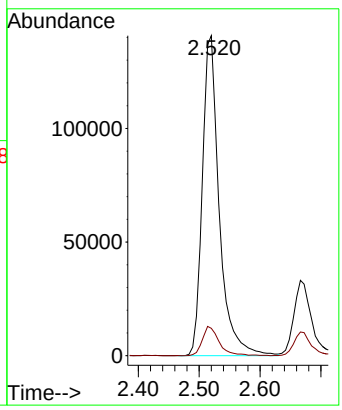
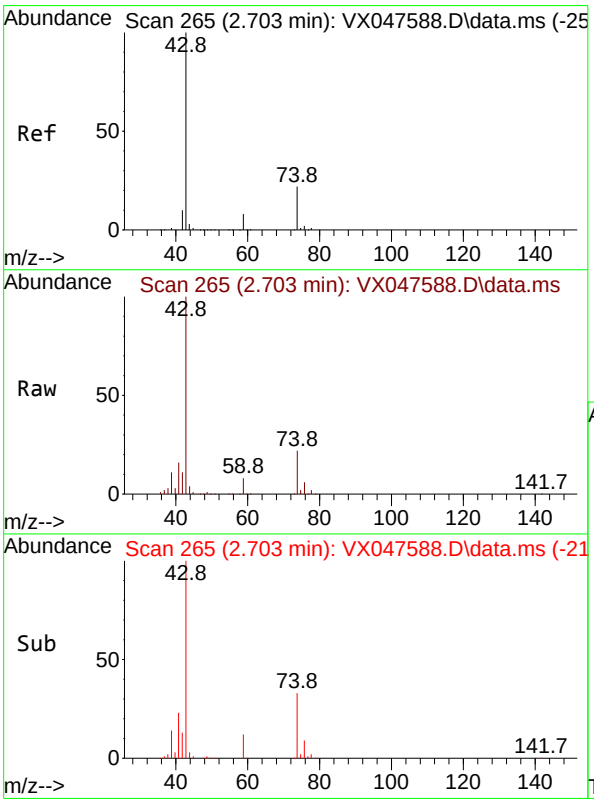
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

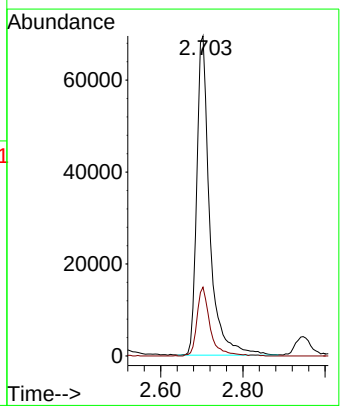


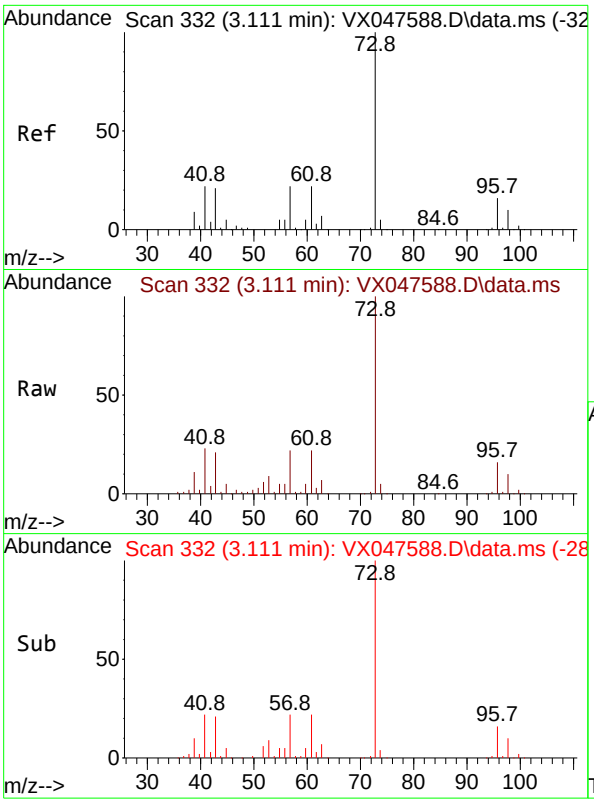


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

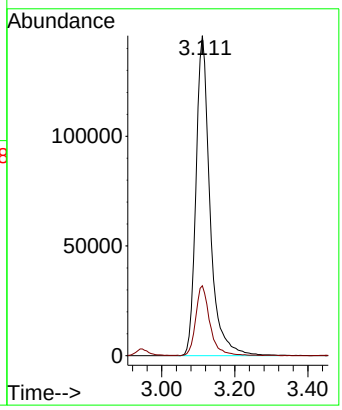




#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 73 Resp: 38960

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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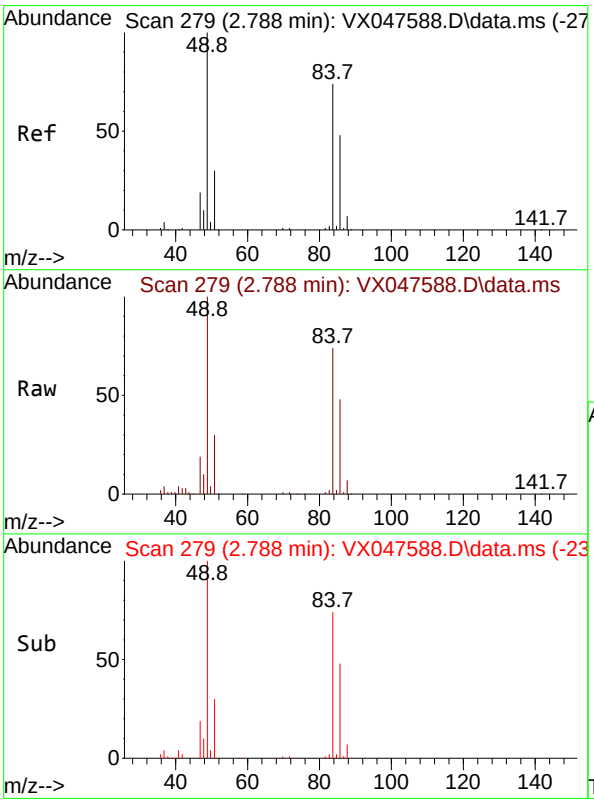
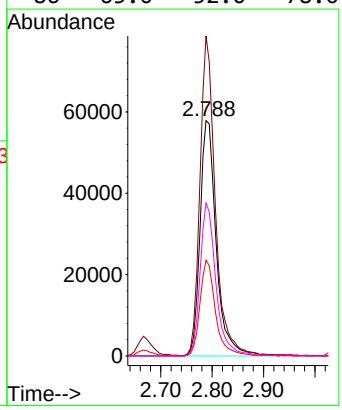
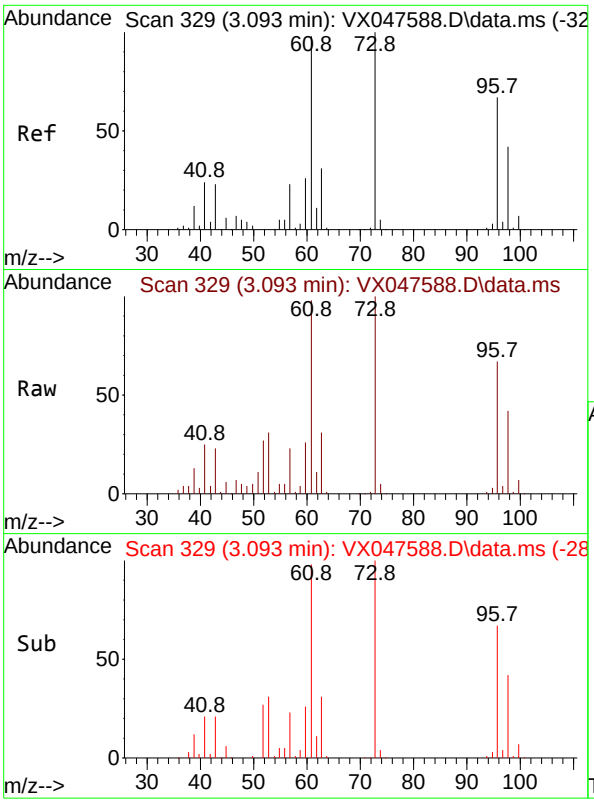


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0

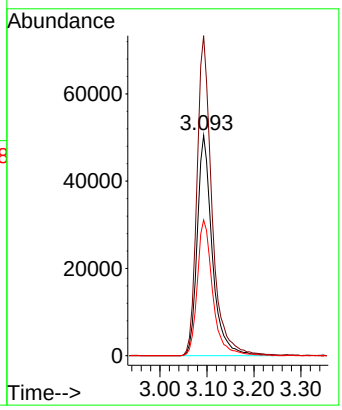




#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 11255

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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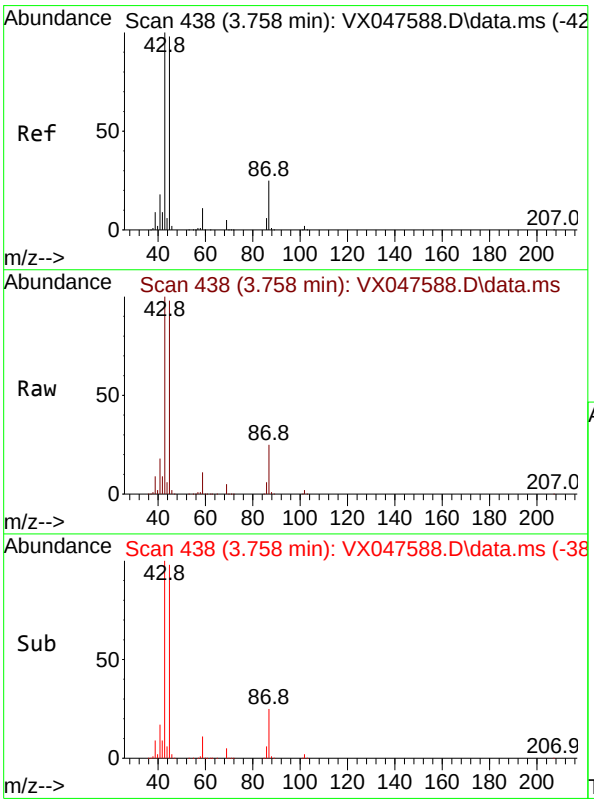
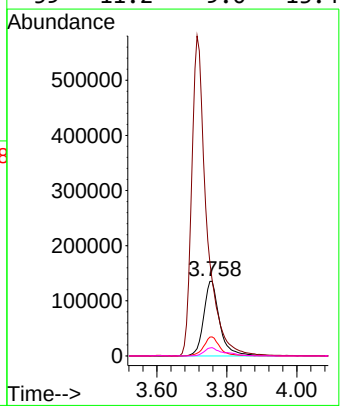
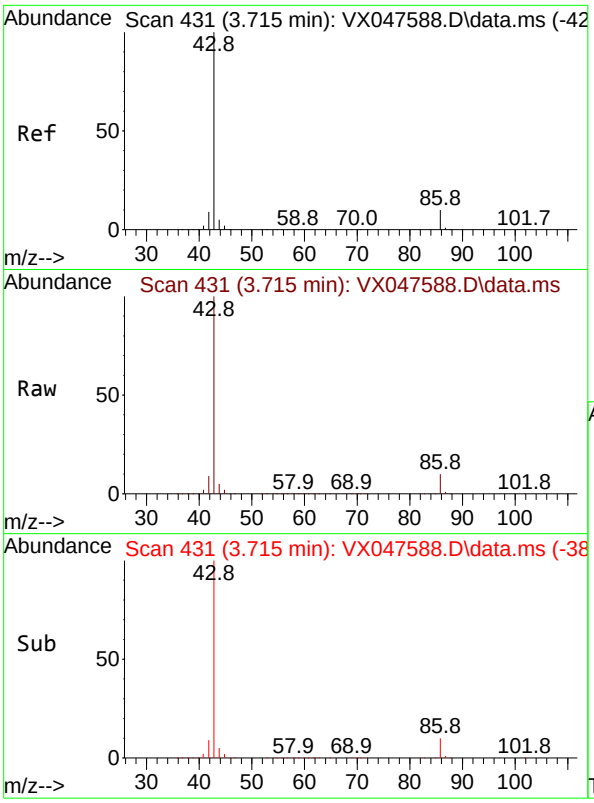


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4





#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 172673

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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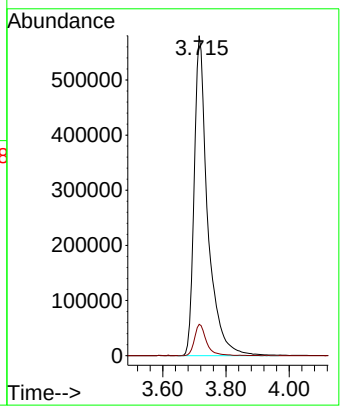
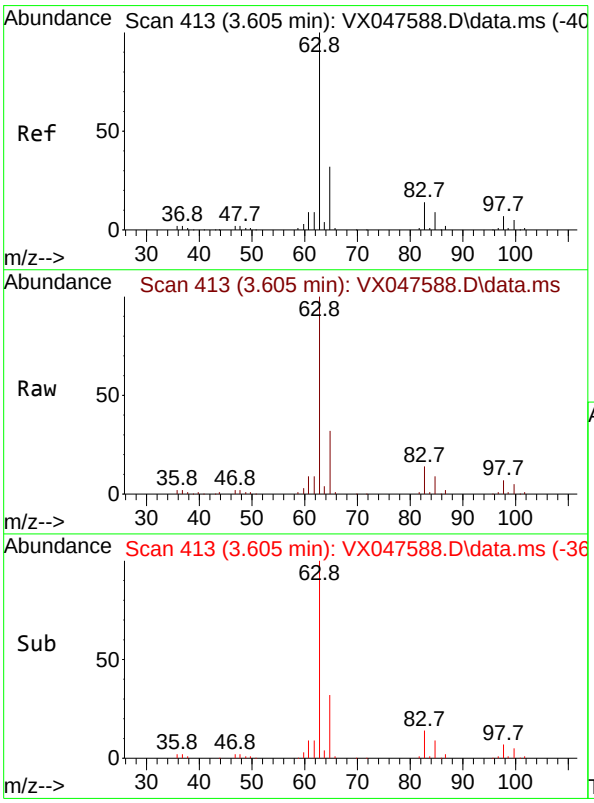
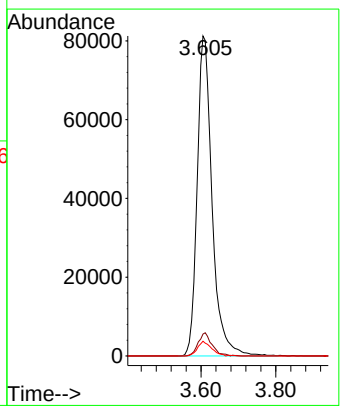


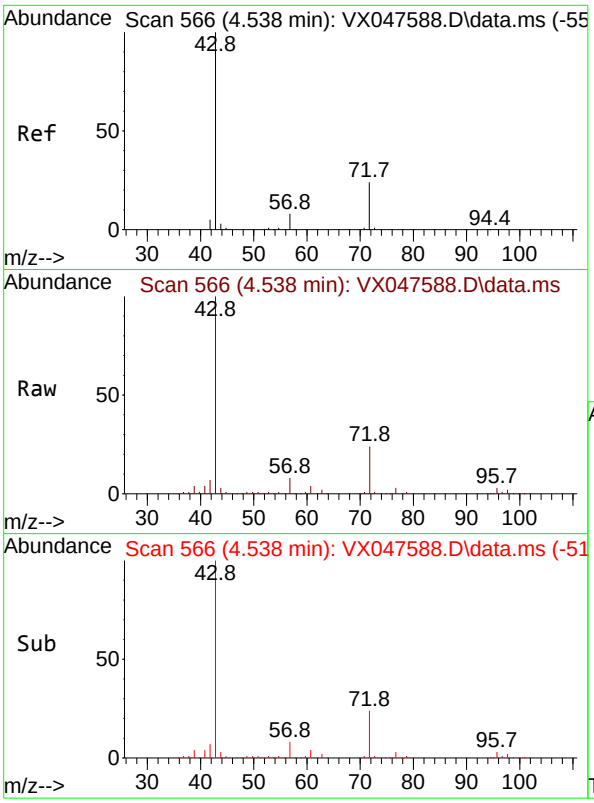


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 38033

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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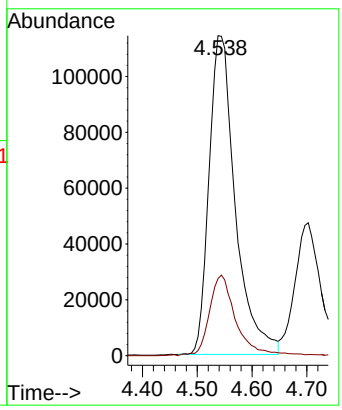
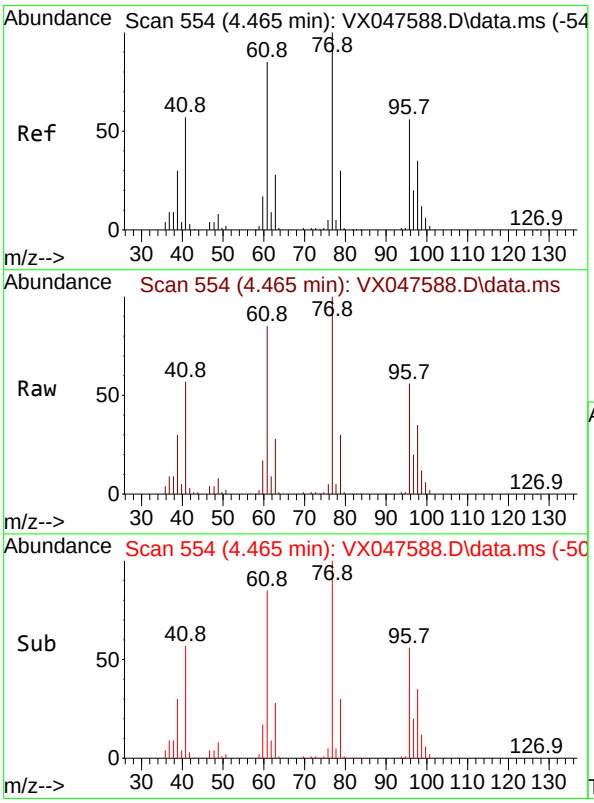
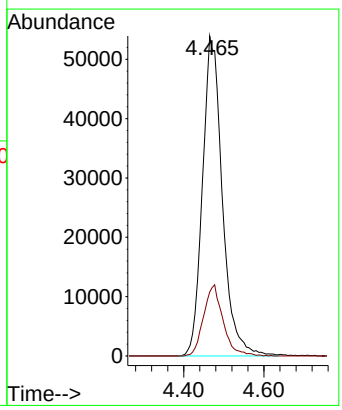


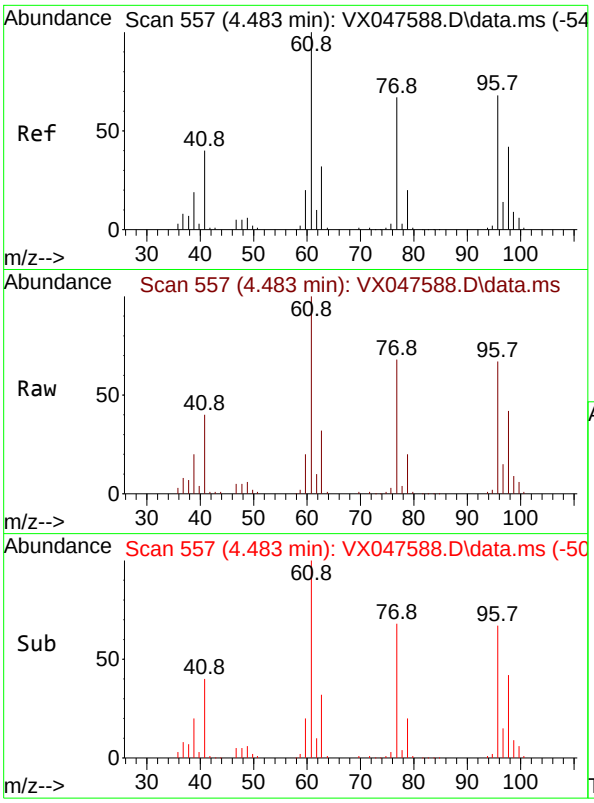


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 14010

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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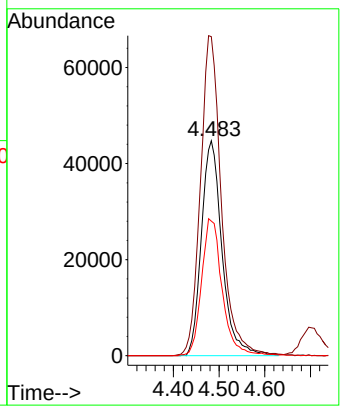
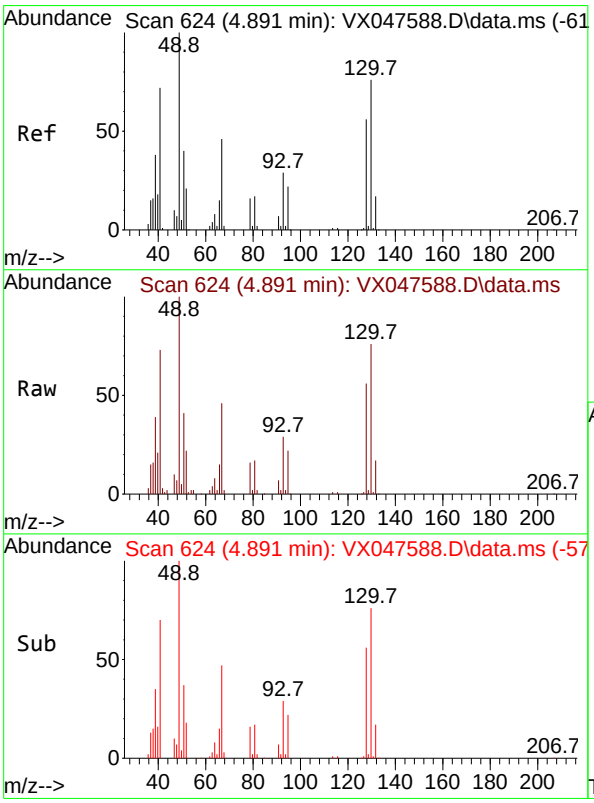
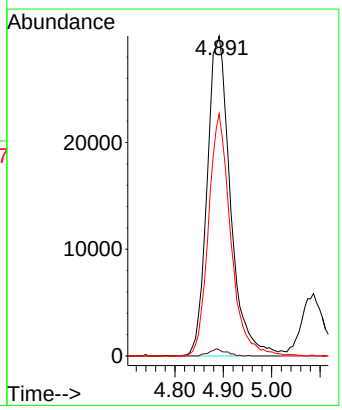


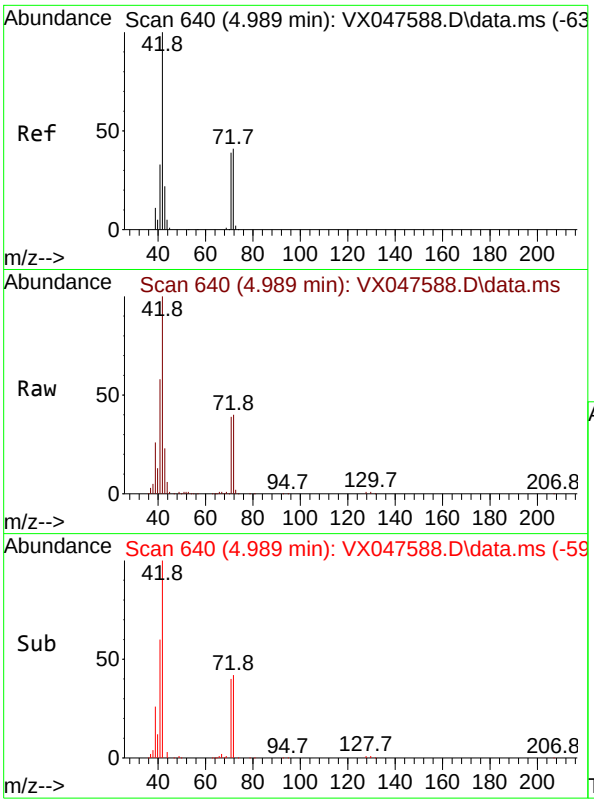


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8





#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 42 Resp: 23867

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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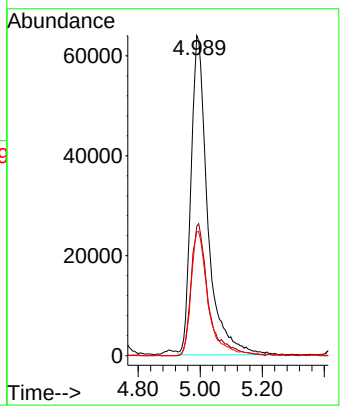
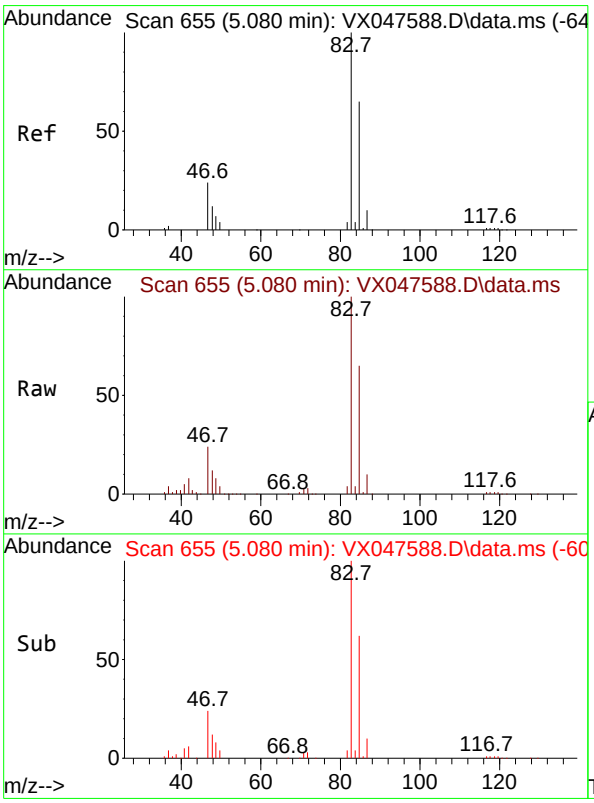
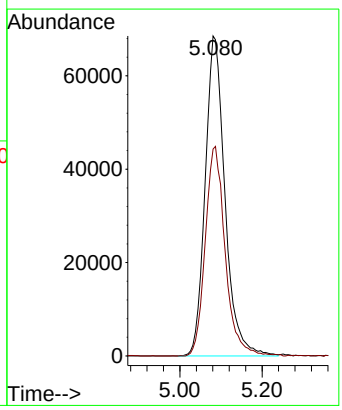


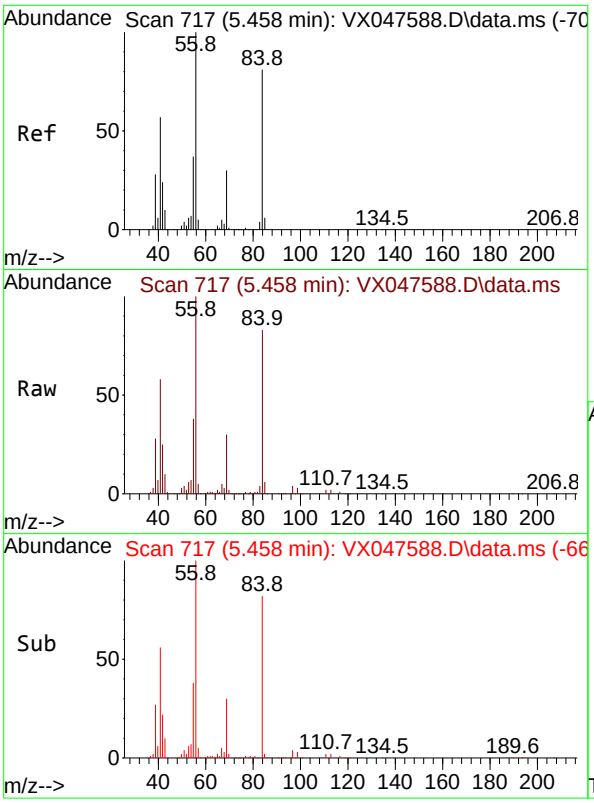


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

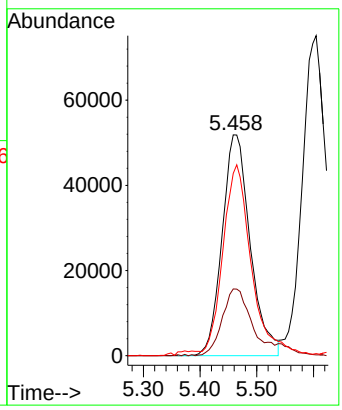




#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 17854

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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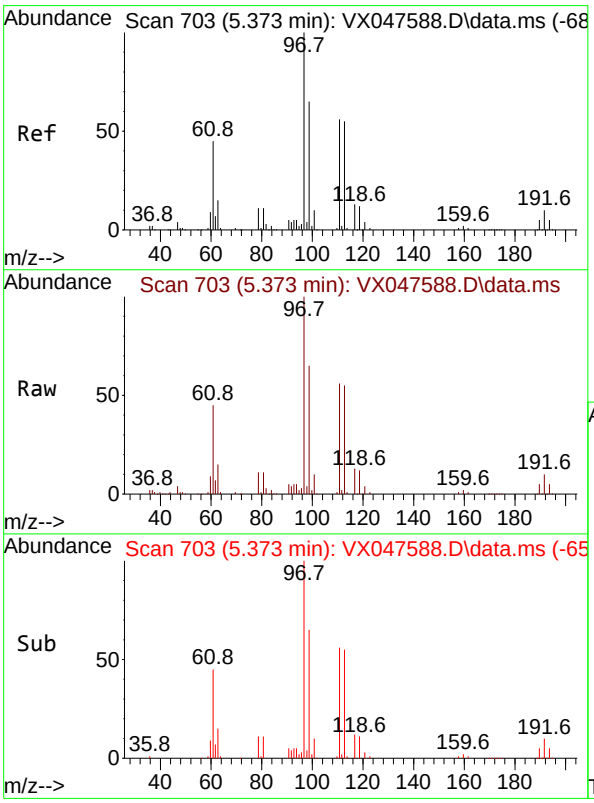
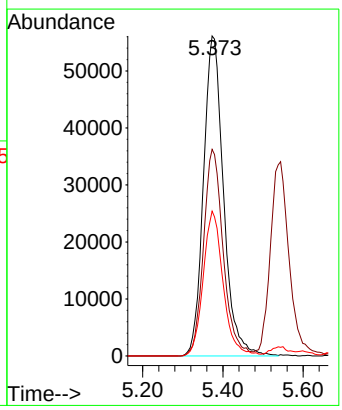
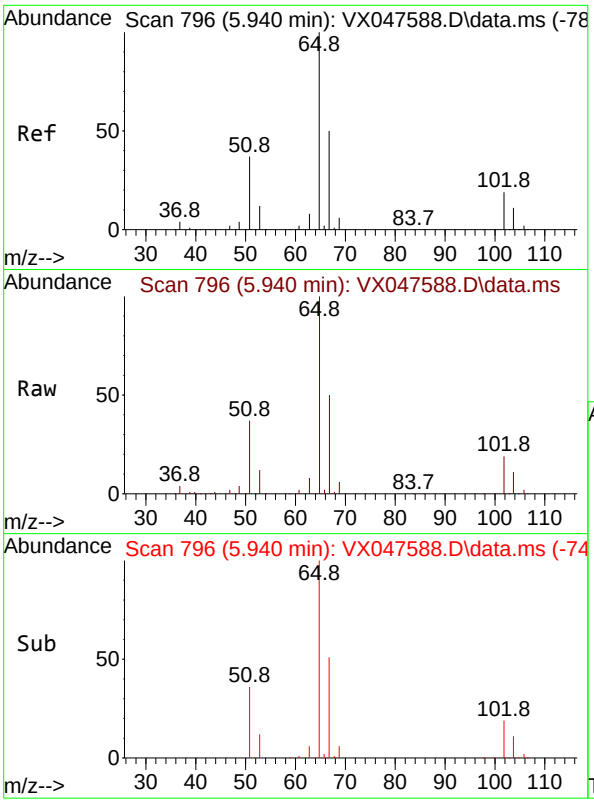


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8

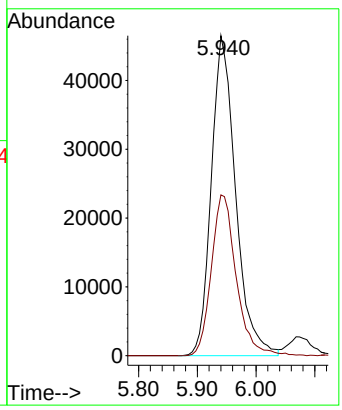




#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 65 Resp: 13360

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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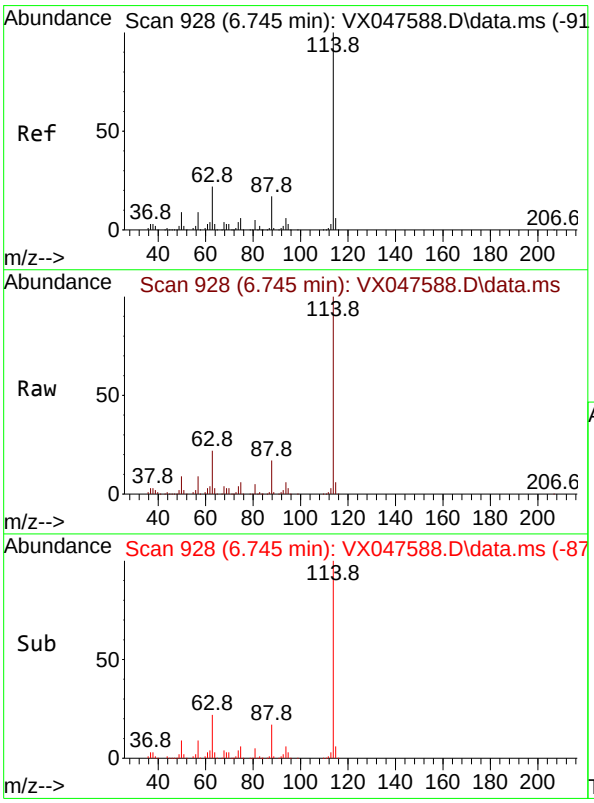
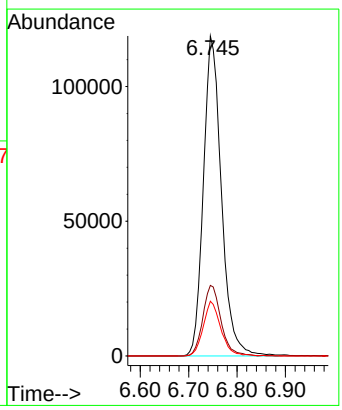
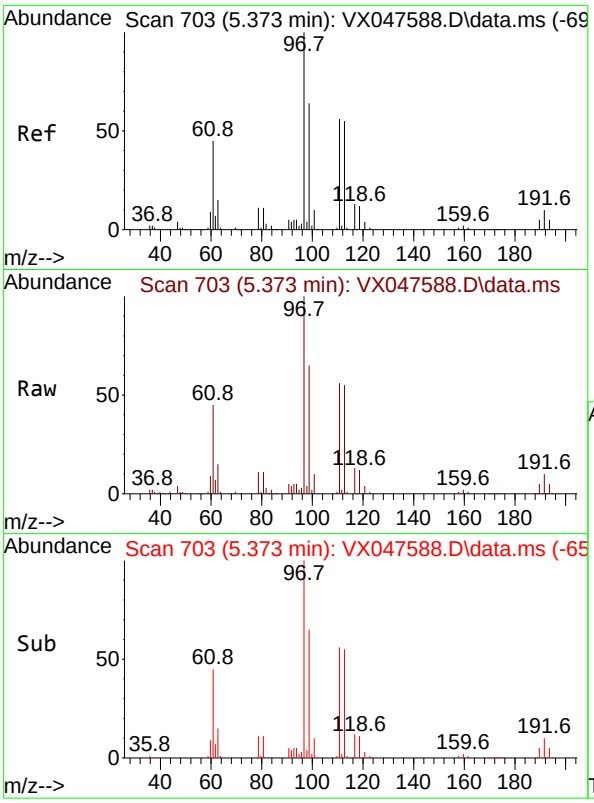


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2

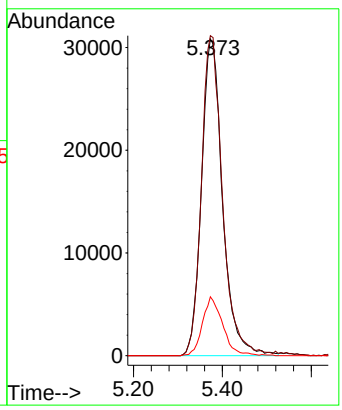




#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:113 Resp: 10162

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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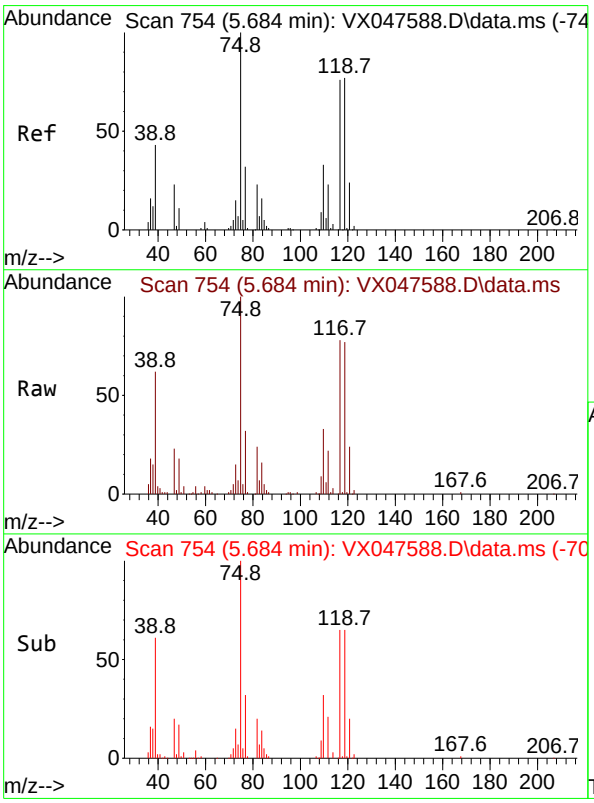
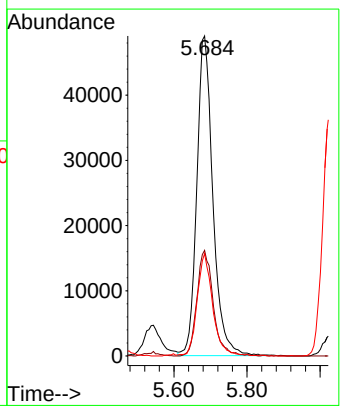
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

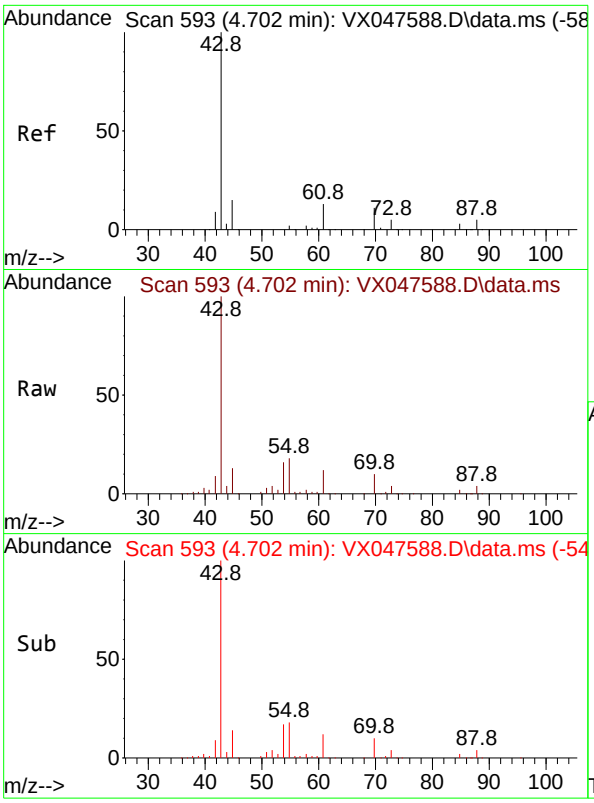


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5

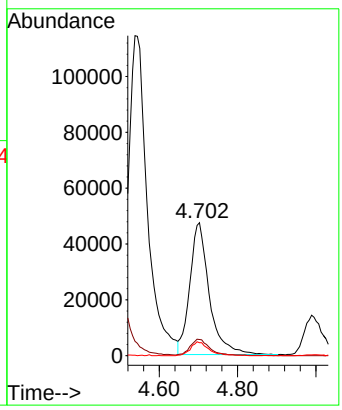




#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 16348

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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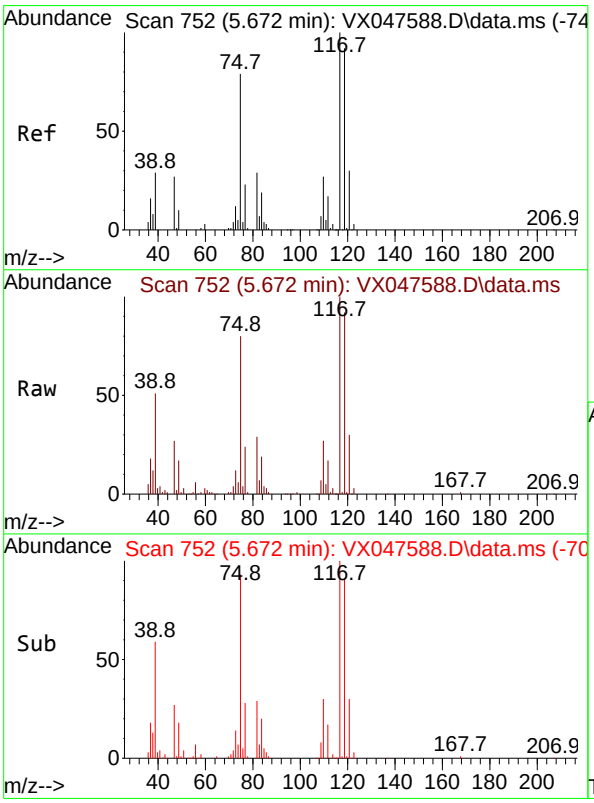
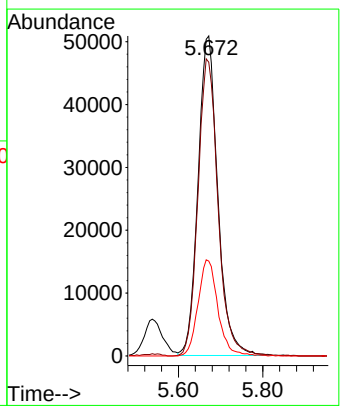
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

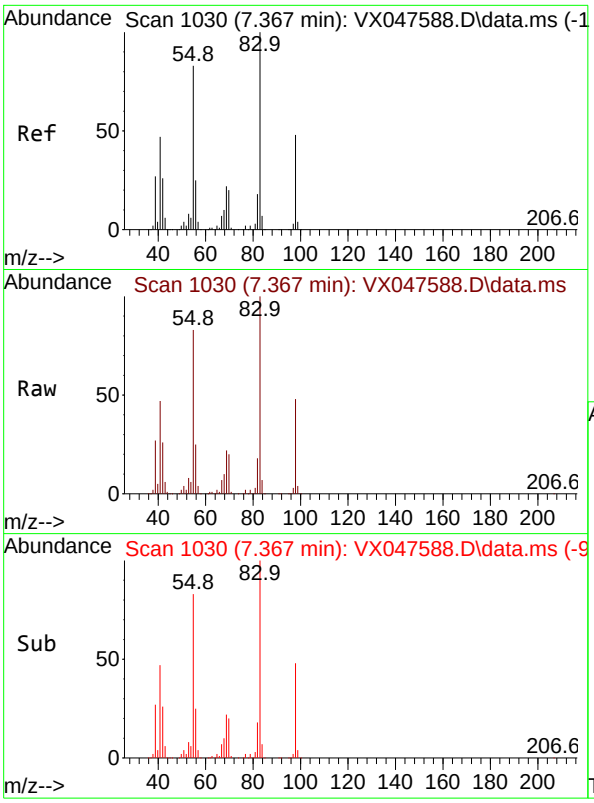


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6

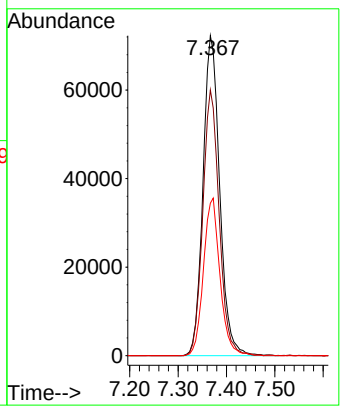




#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 17361

Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 09/17/2025
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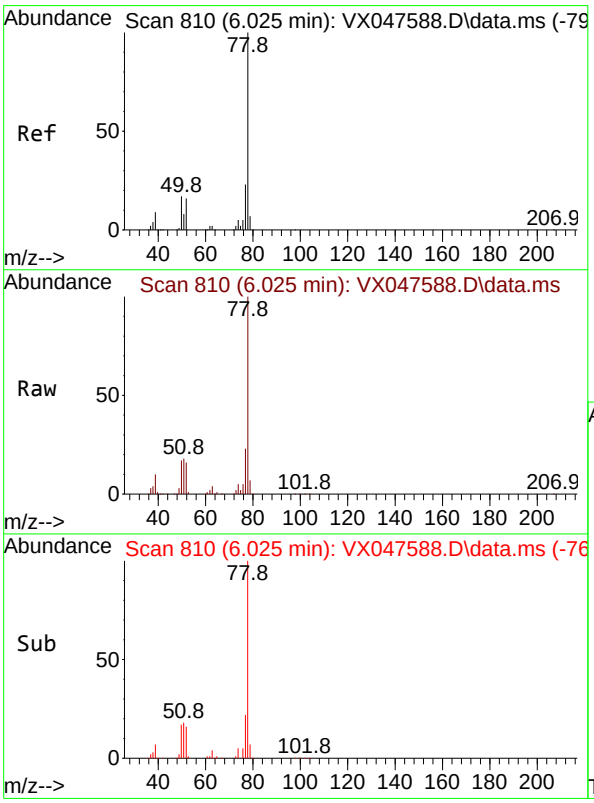
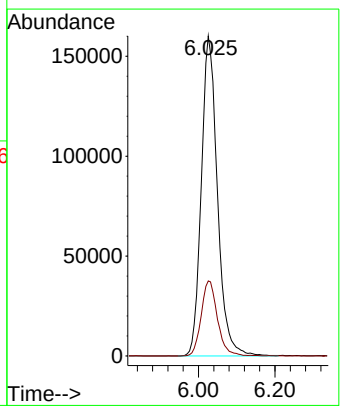
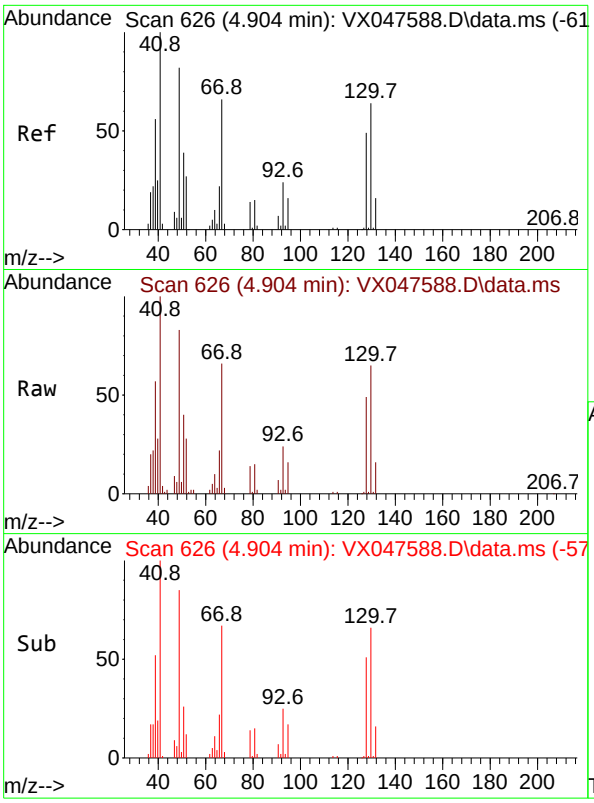


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

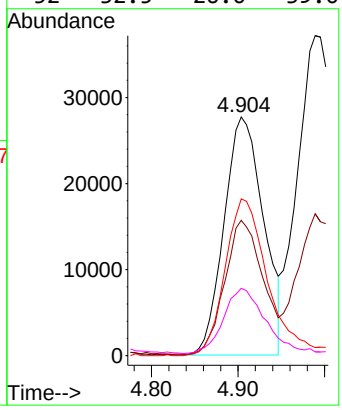




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 8776

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 09/17/2025
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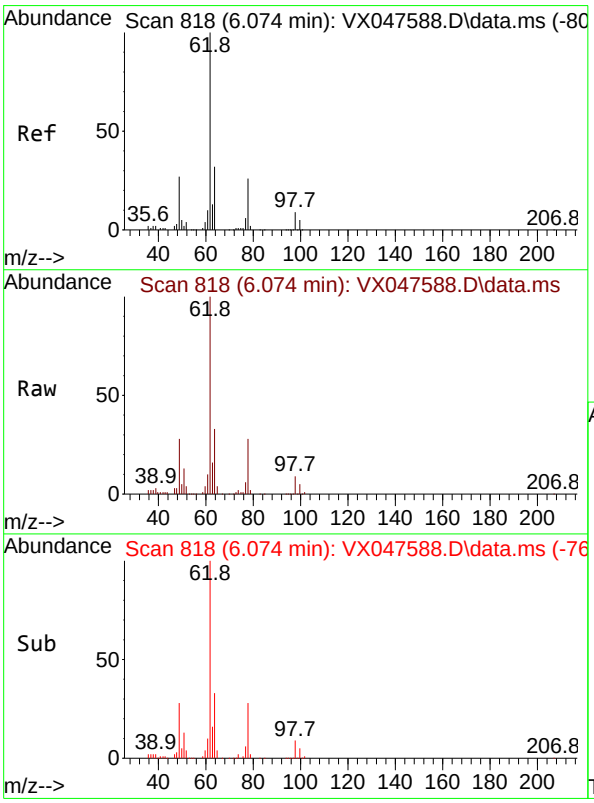
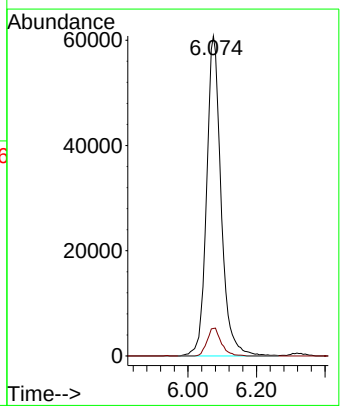
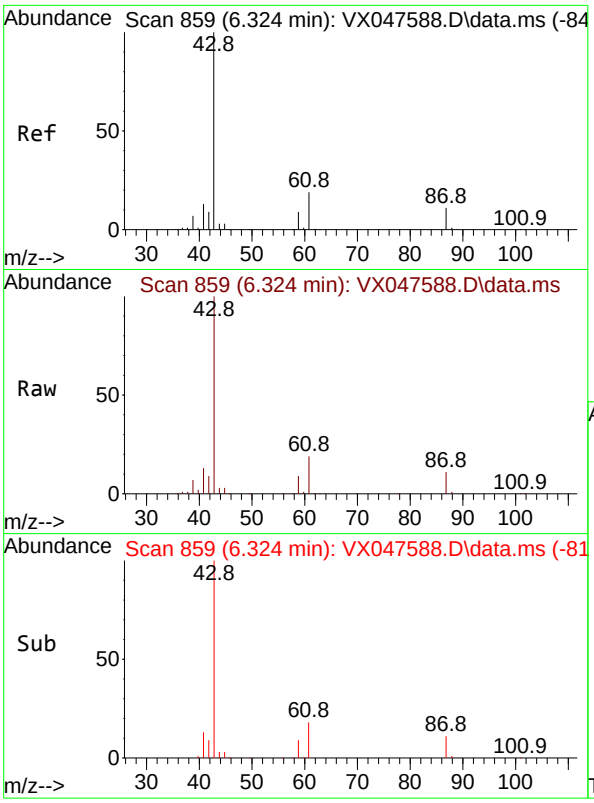


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

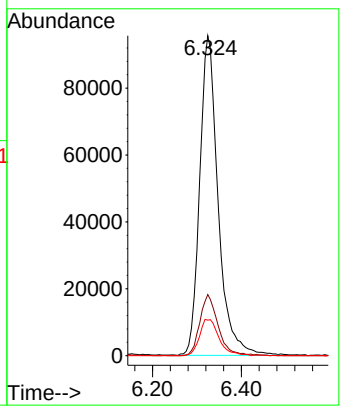




#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 27557

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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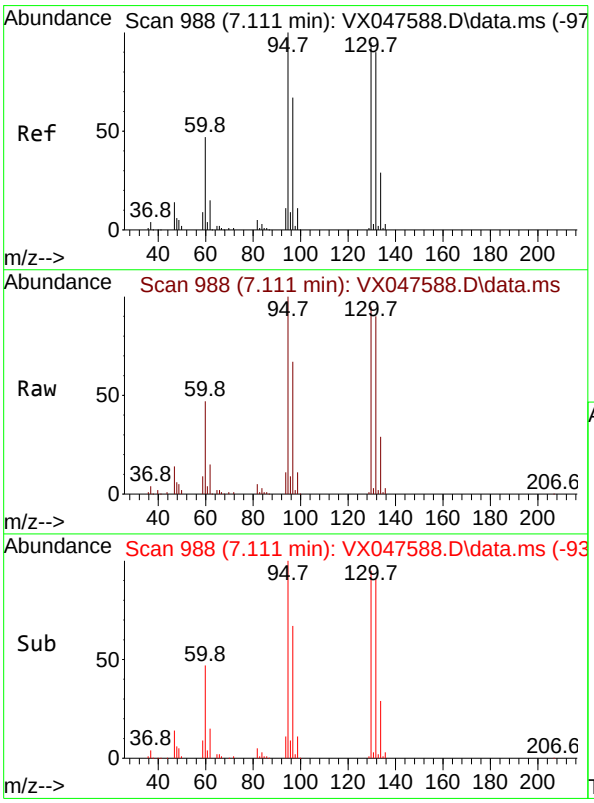
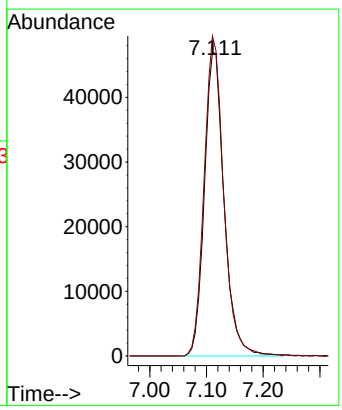
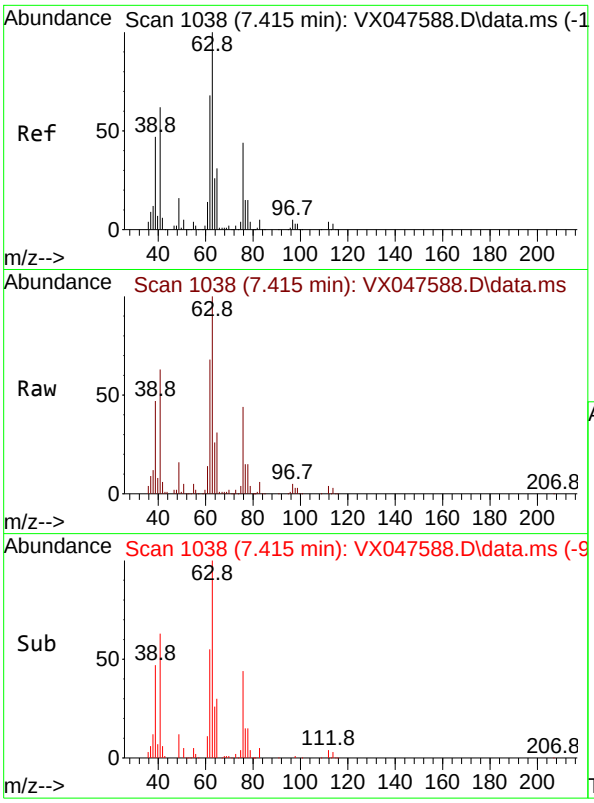


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 12210

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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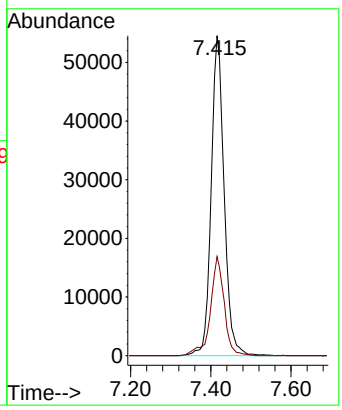
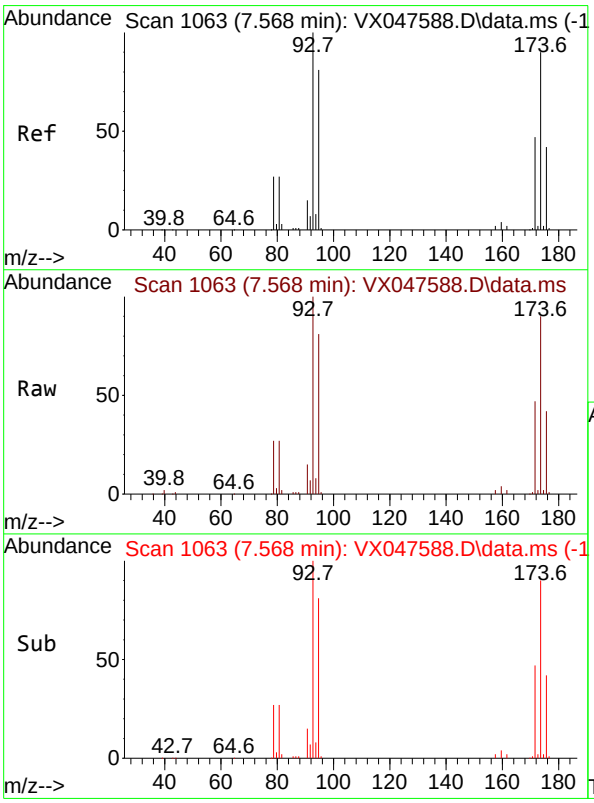
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

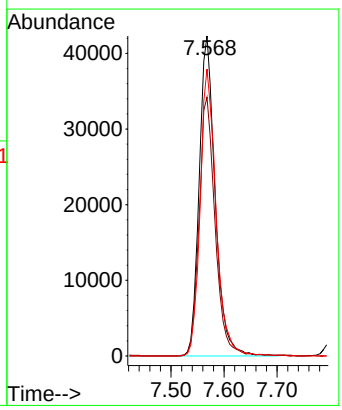


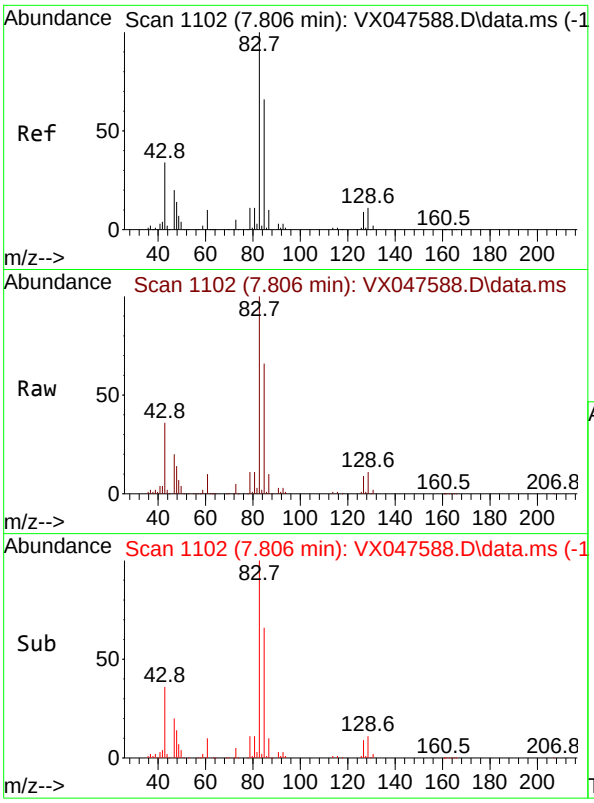


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4

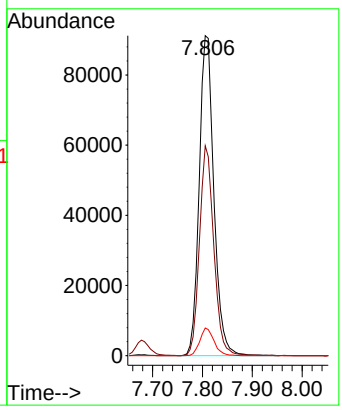




#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 18654

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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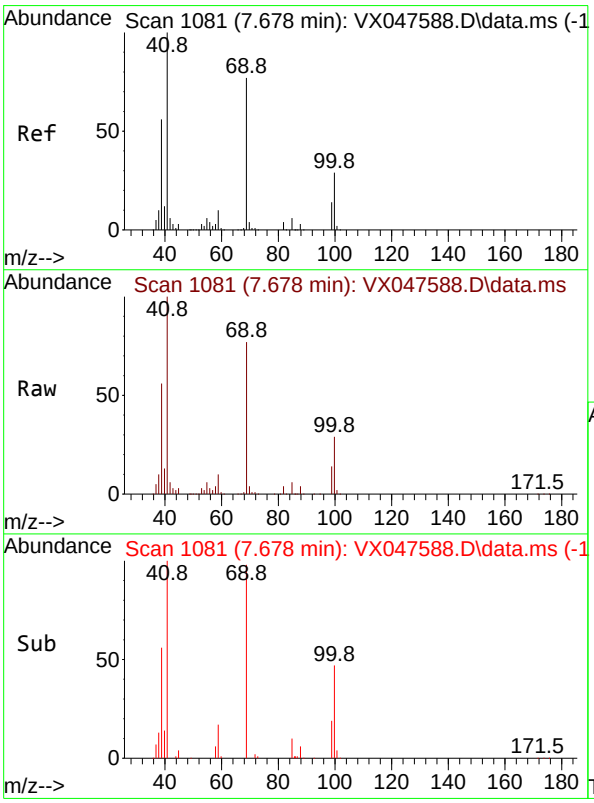
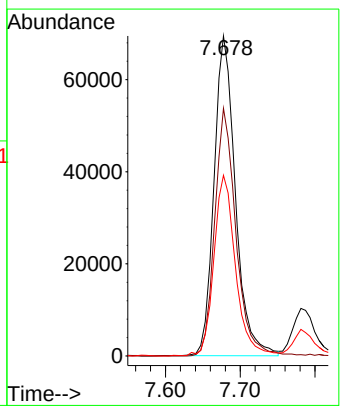
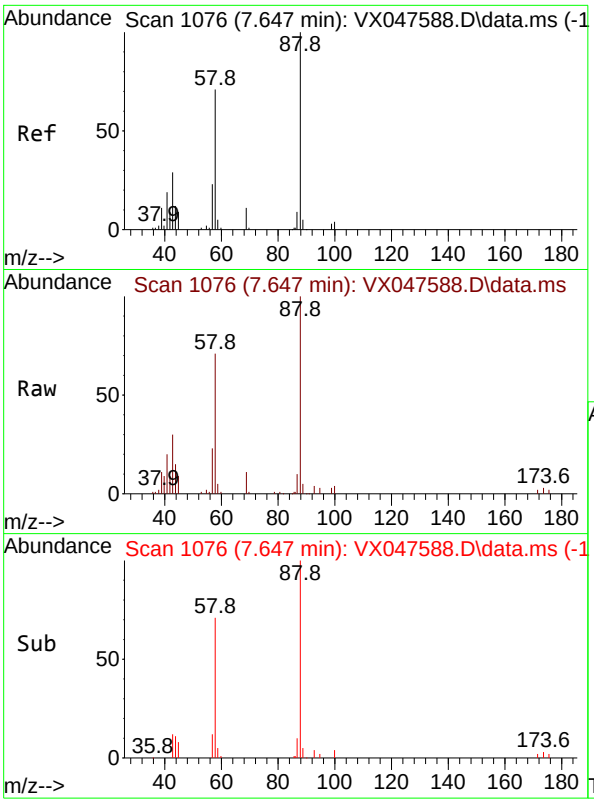


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6

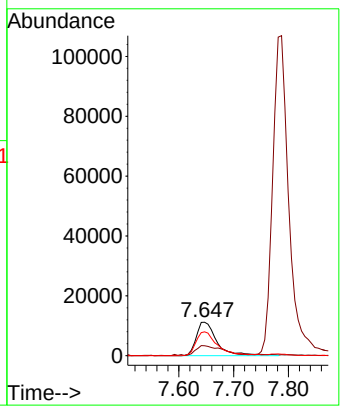




#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 88 Resp: 2949

Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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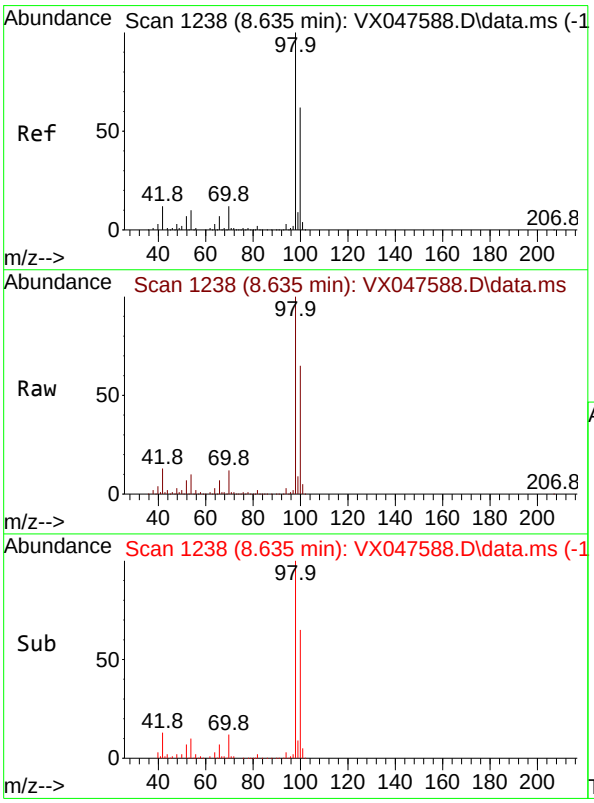
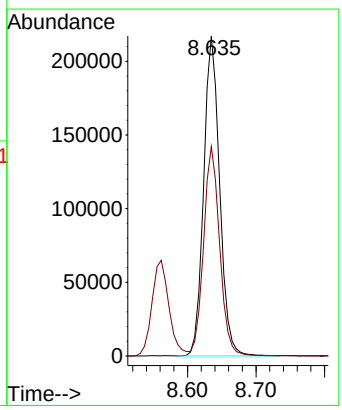
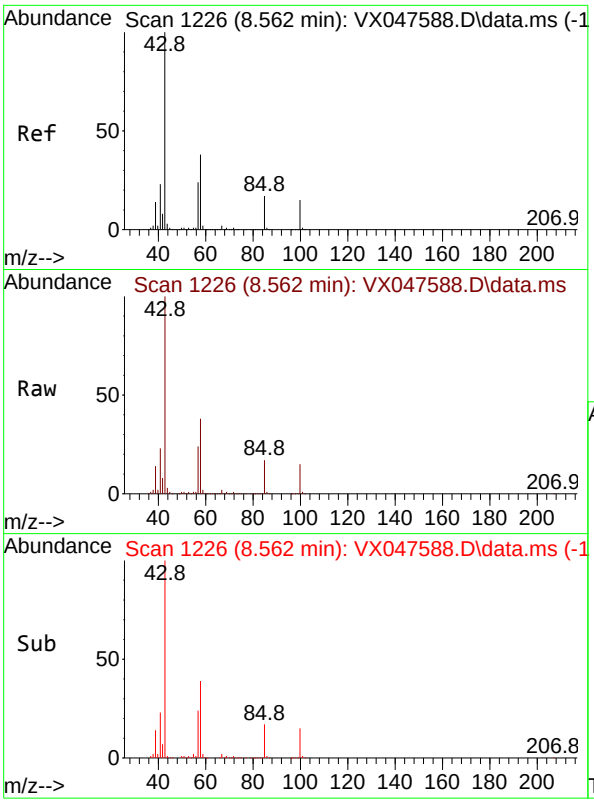


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

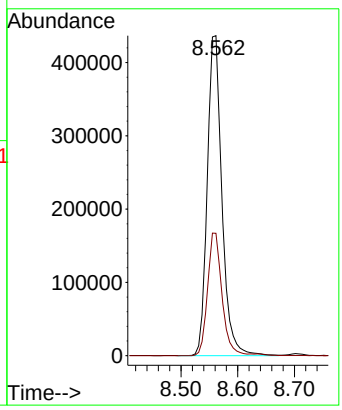




#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 78497

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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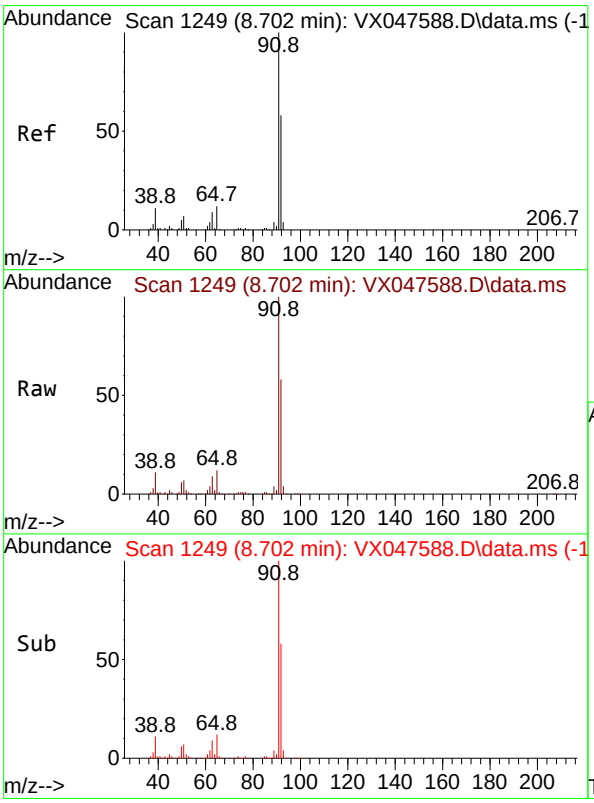
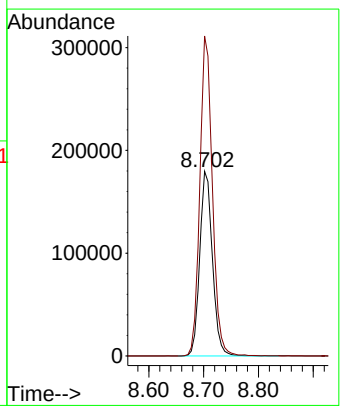
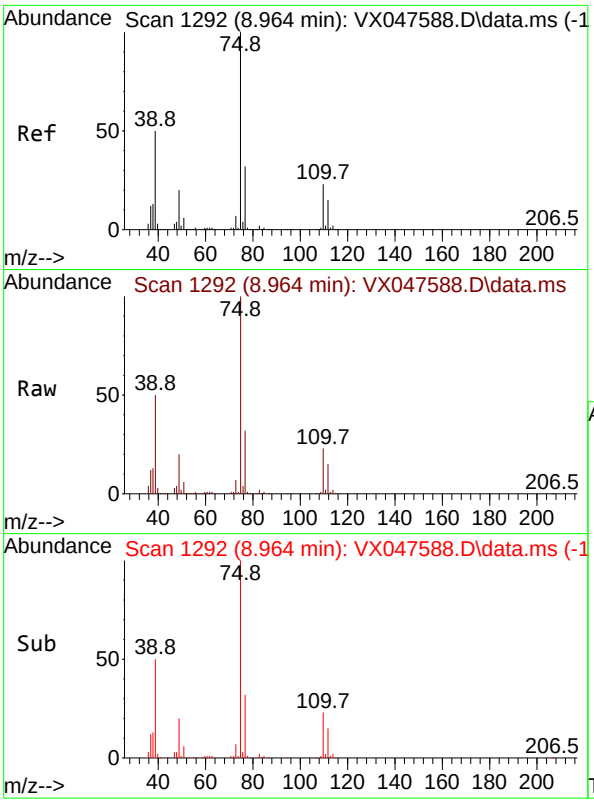


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7

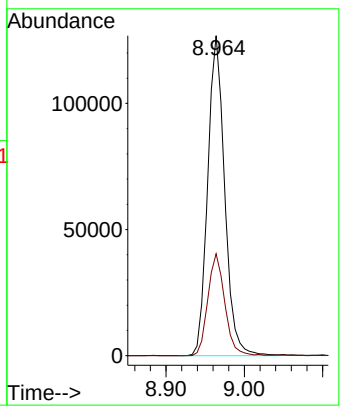




#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 19028

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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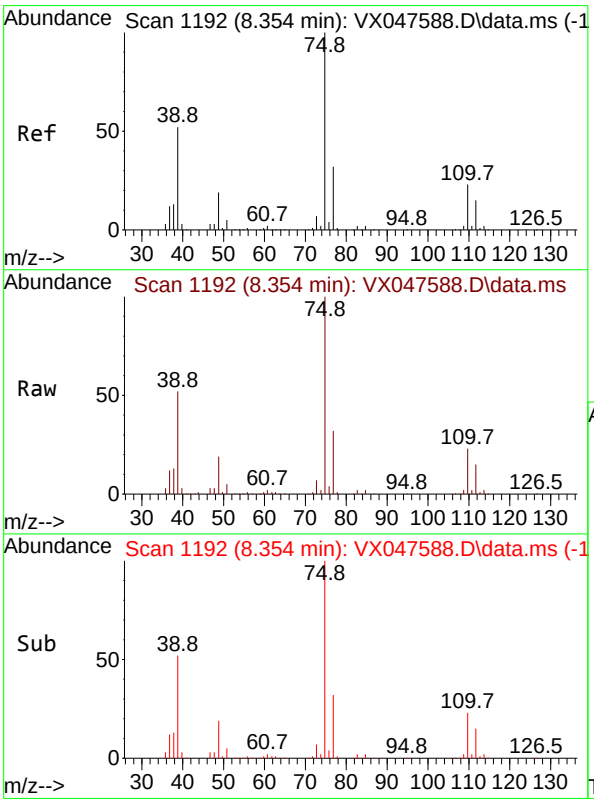
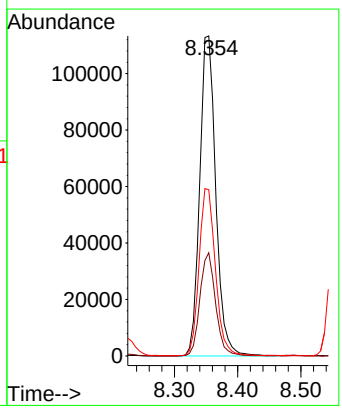
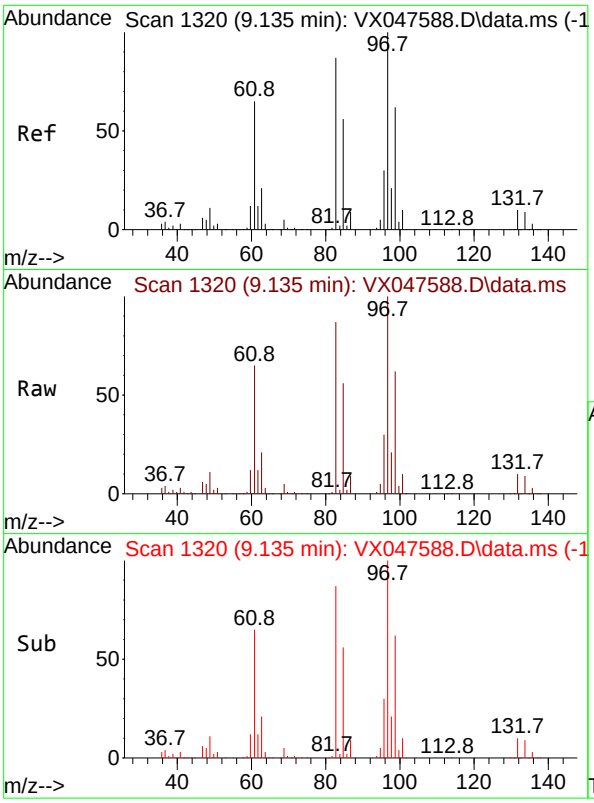


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2

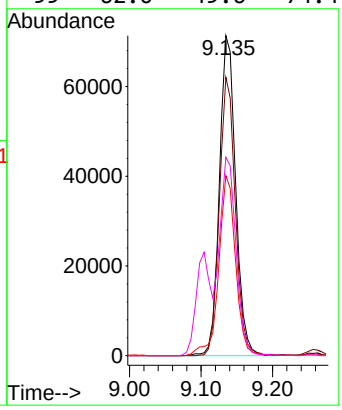




#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 11283

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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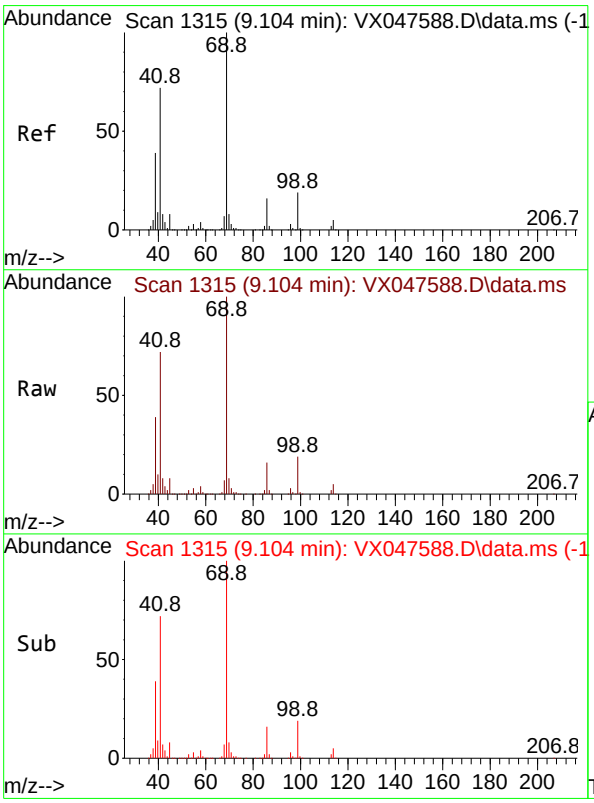
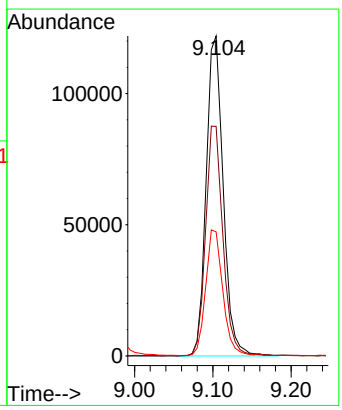
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

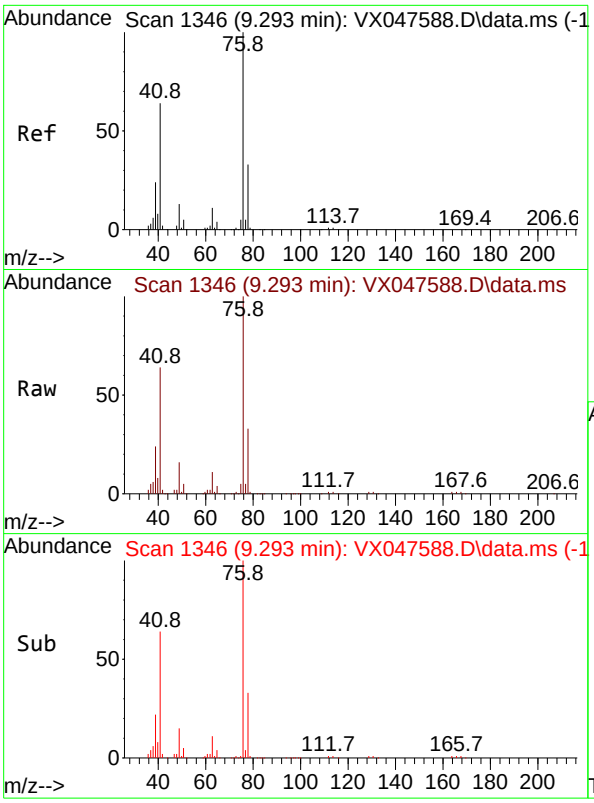


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3

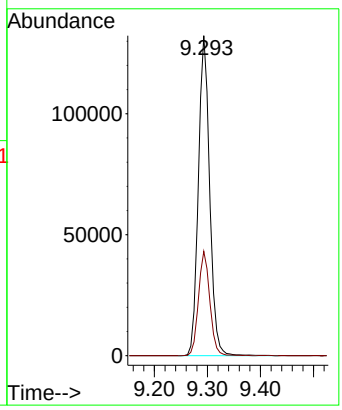




#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 19598

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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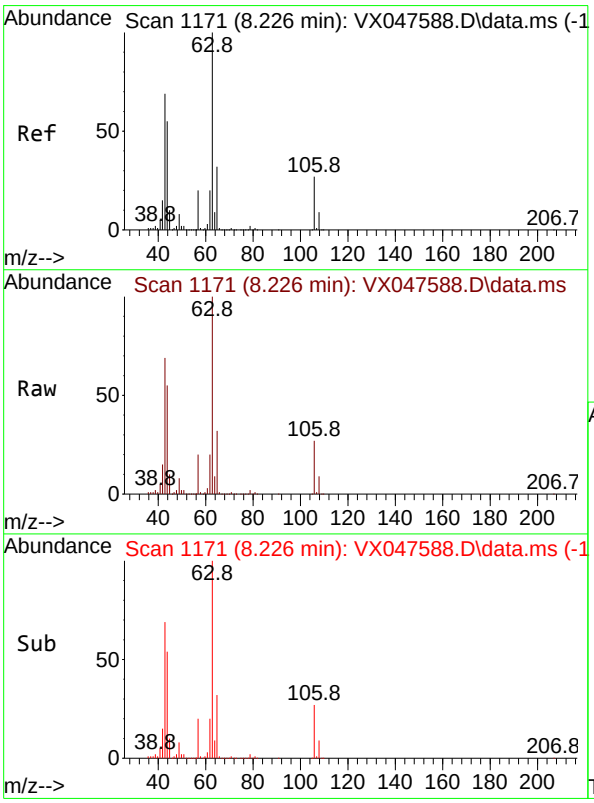
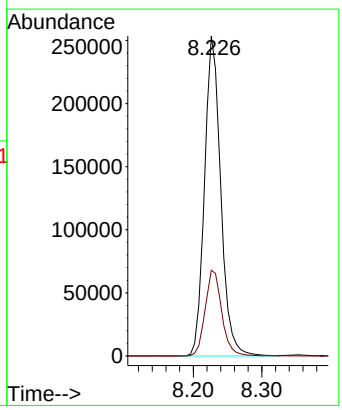
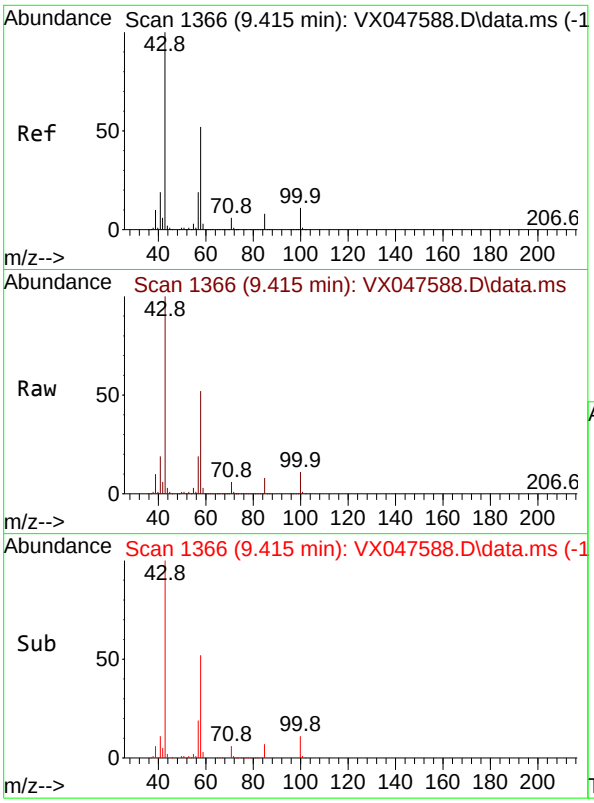


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 55331

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 09/17/2025
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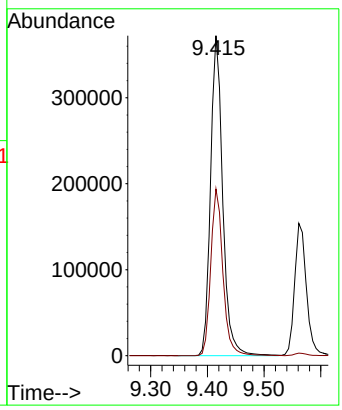
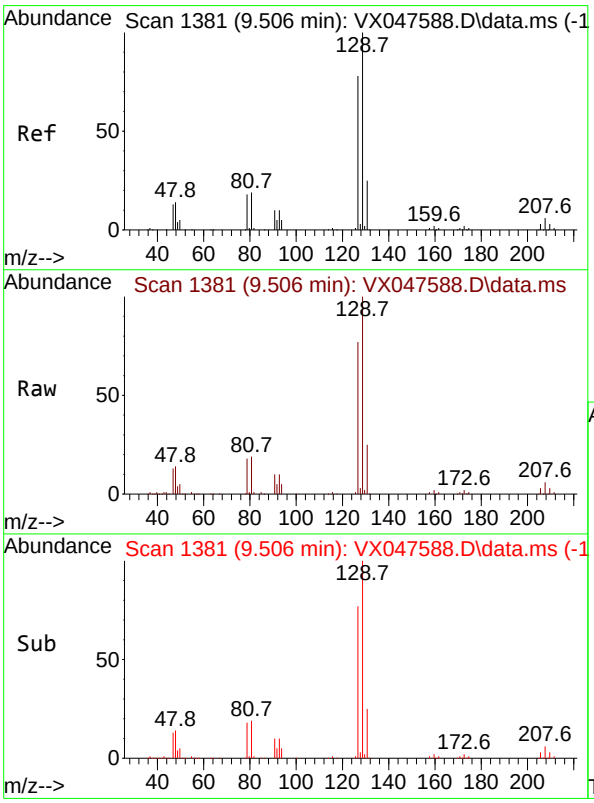
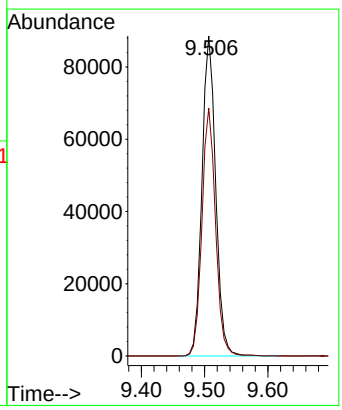


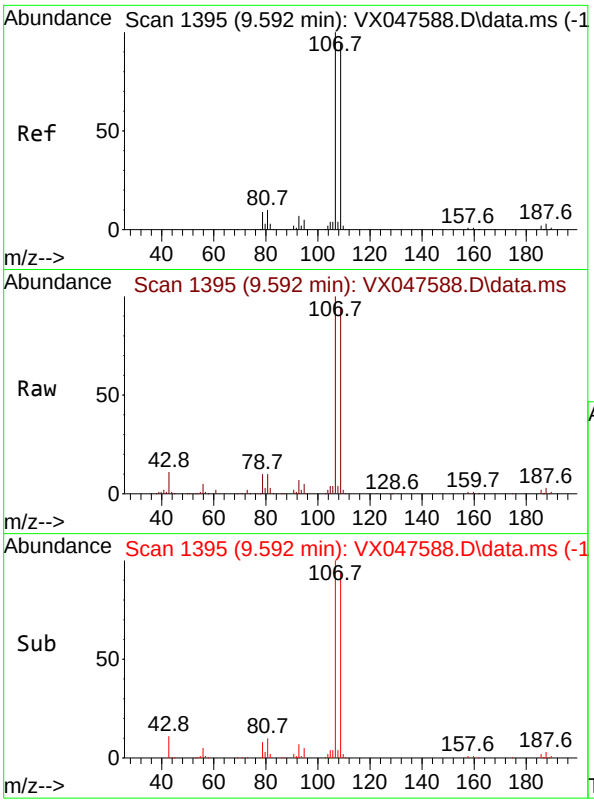


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2





#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:107 Resp: 11646

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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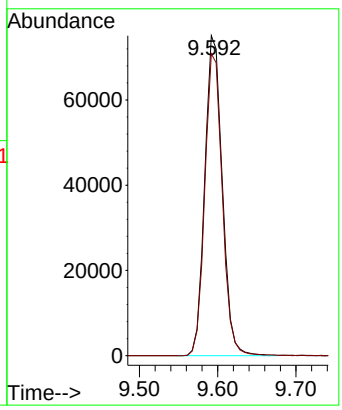
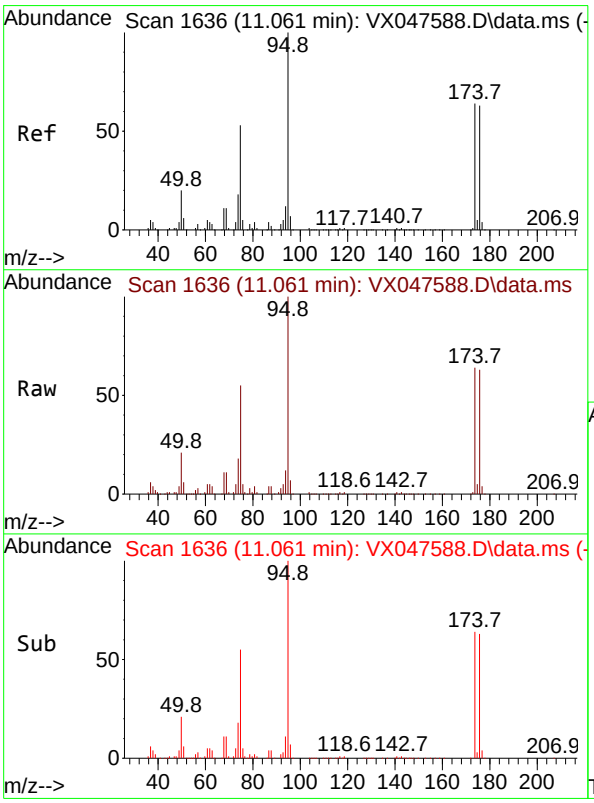
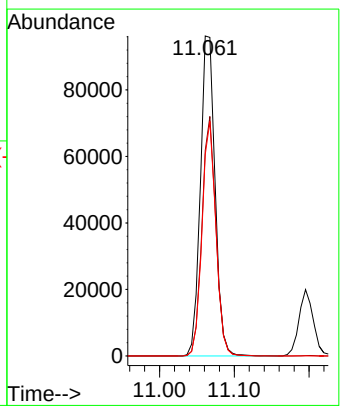


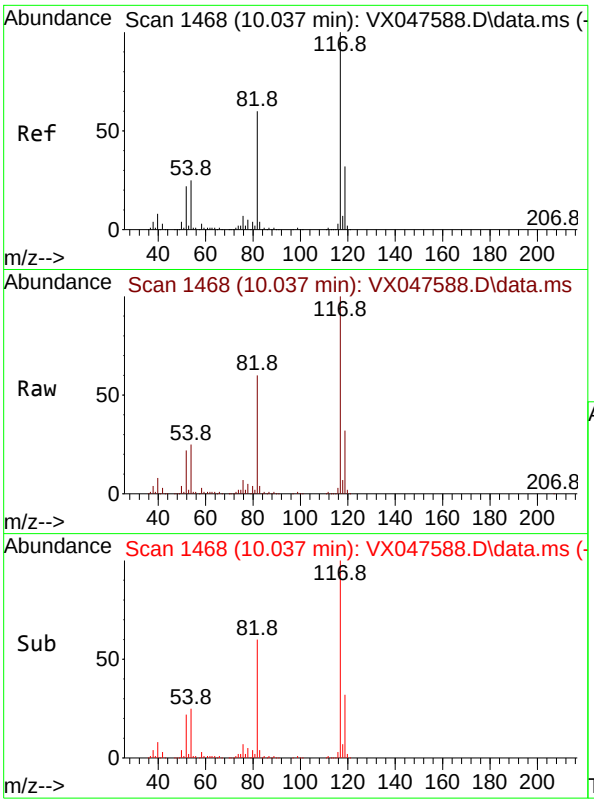


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4

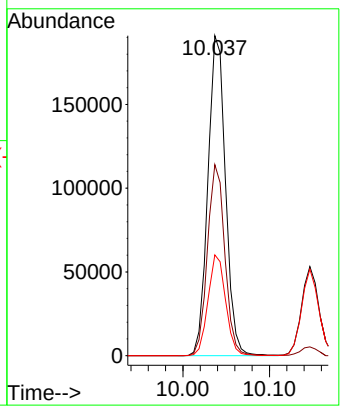




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 27004

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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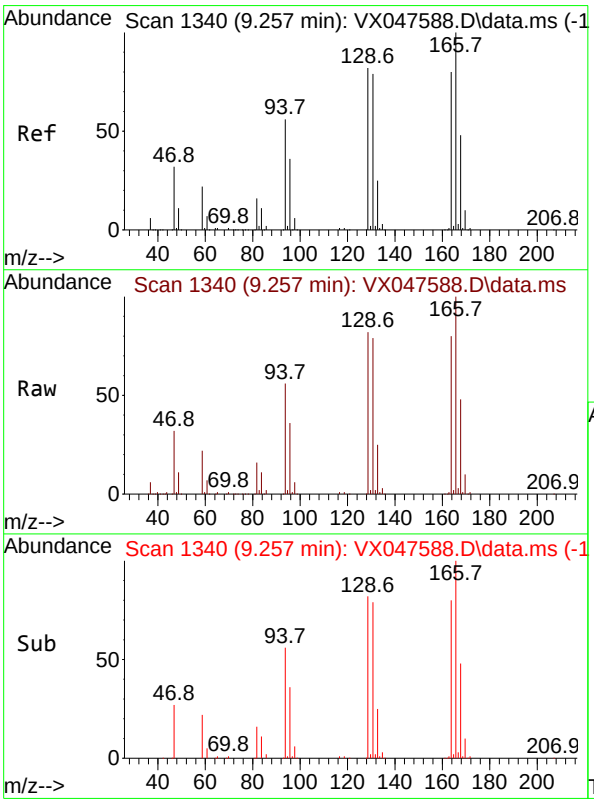
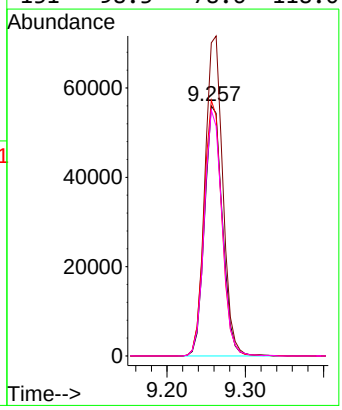
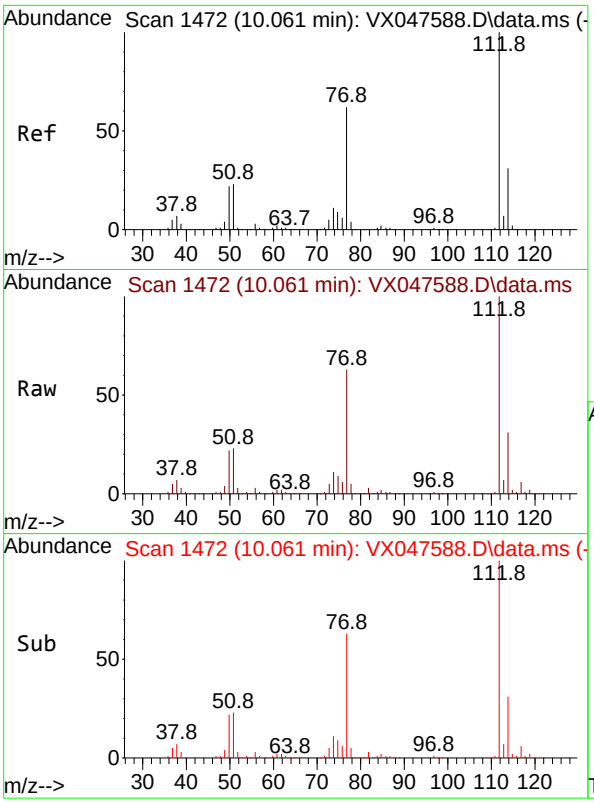


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0

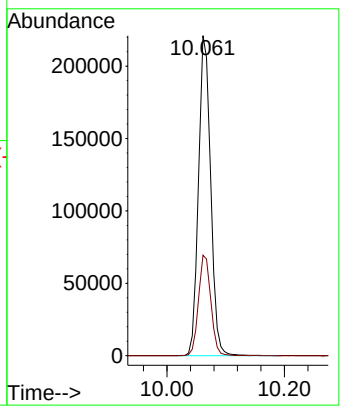




#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:112 Resp: 31798

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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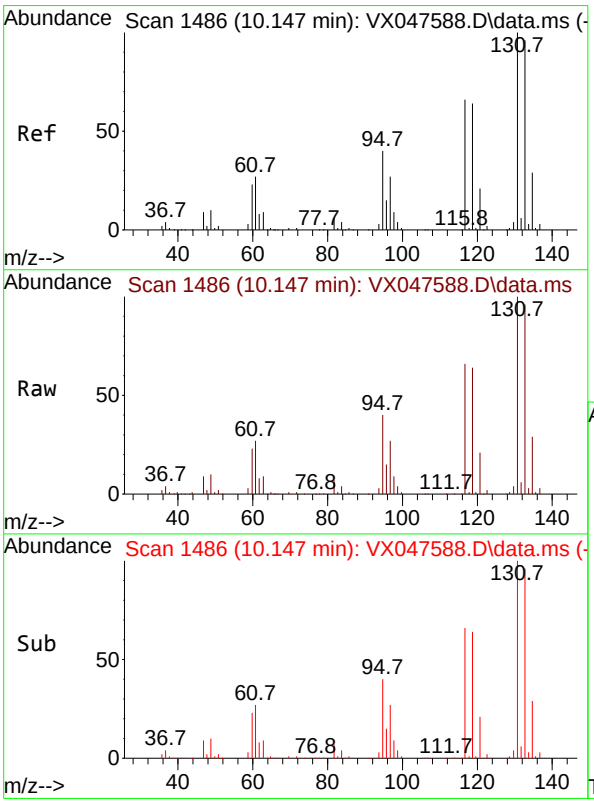
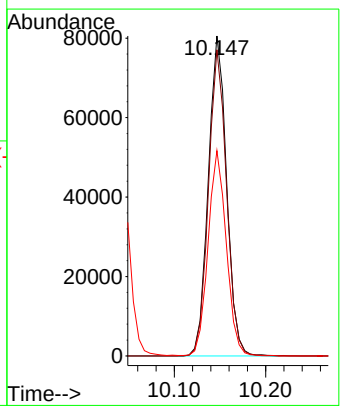
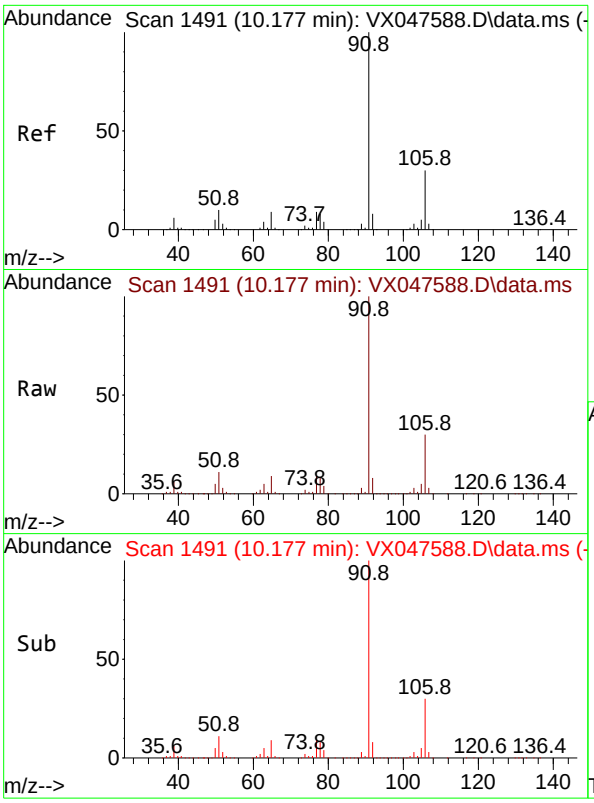


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0





#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 55061

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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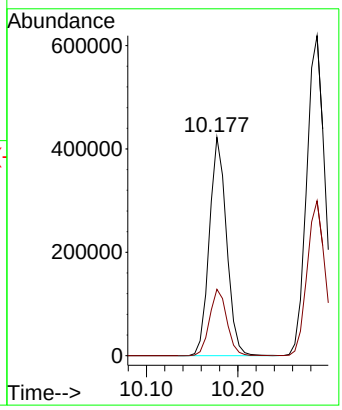
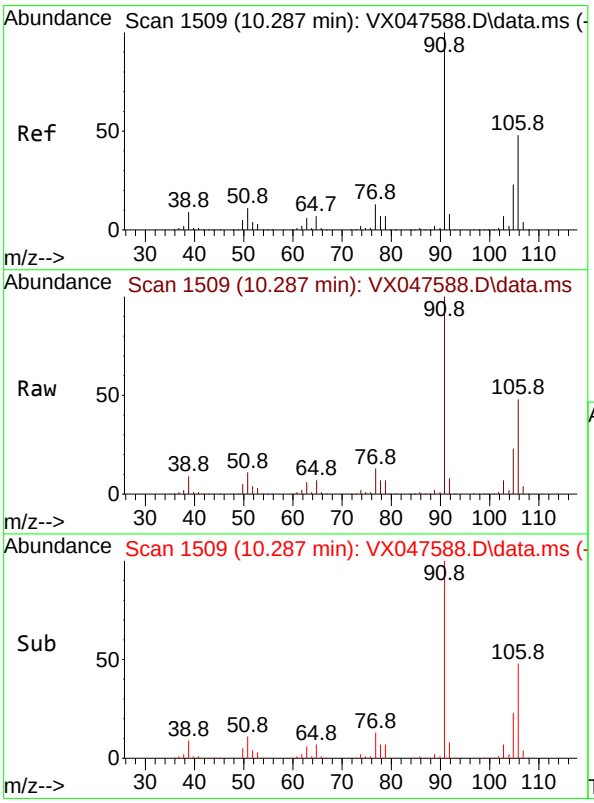
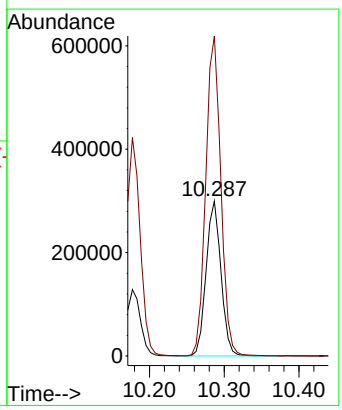


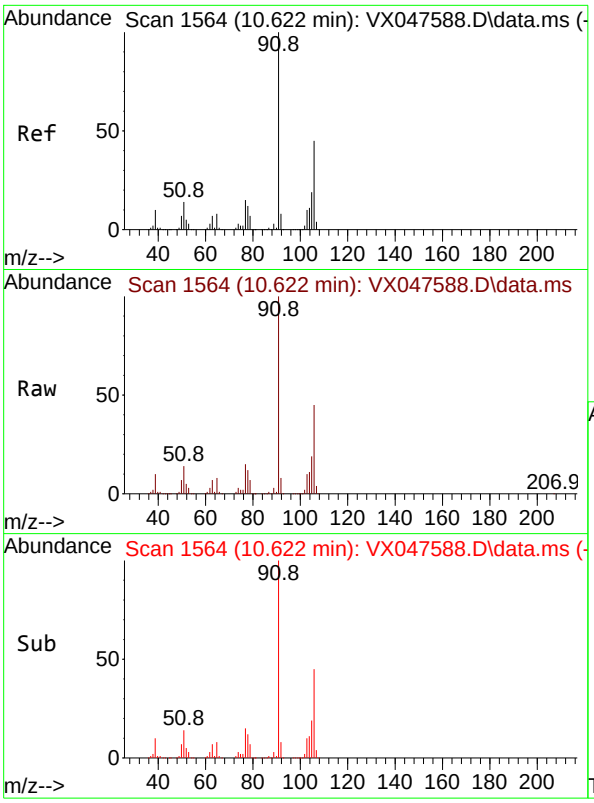


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8





#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 20229

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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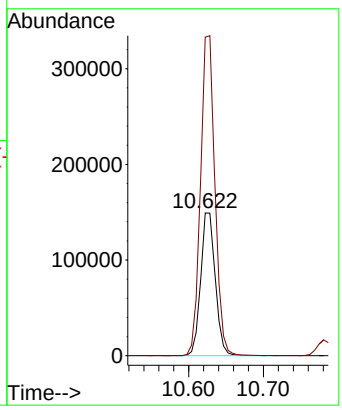
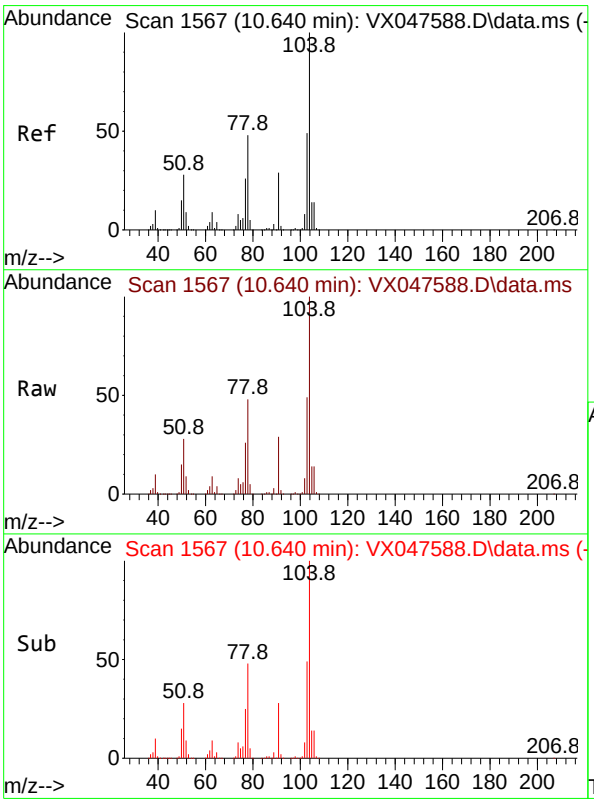
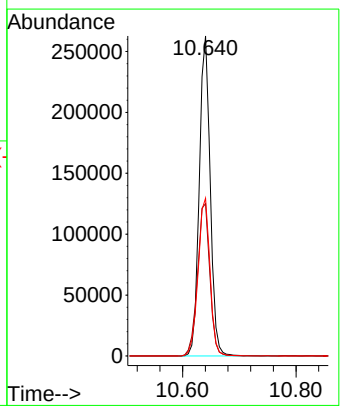


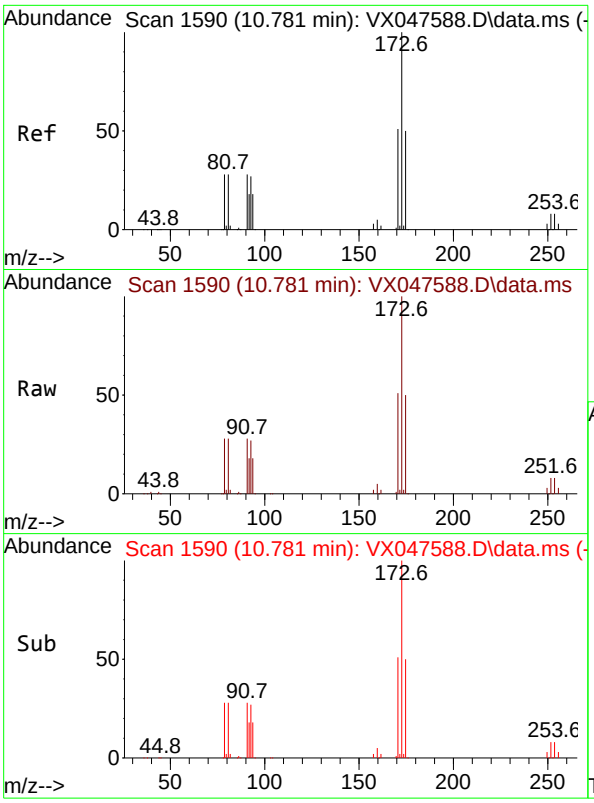


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7

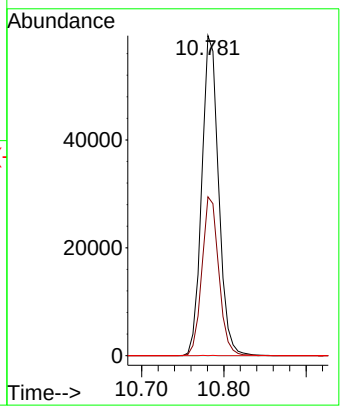




#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:173 Resp: 8448

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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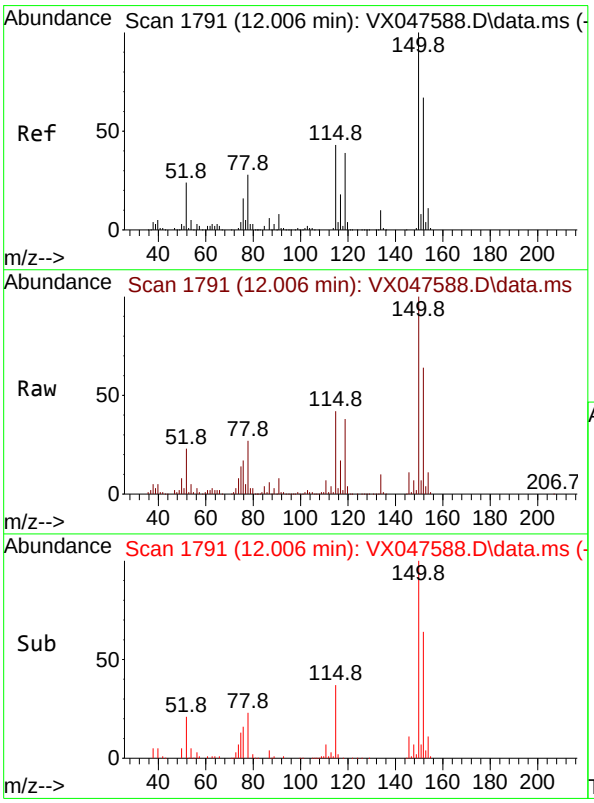
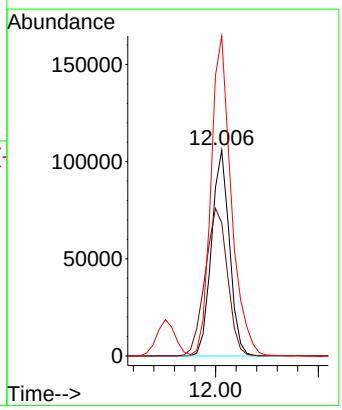
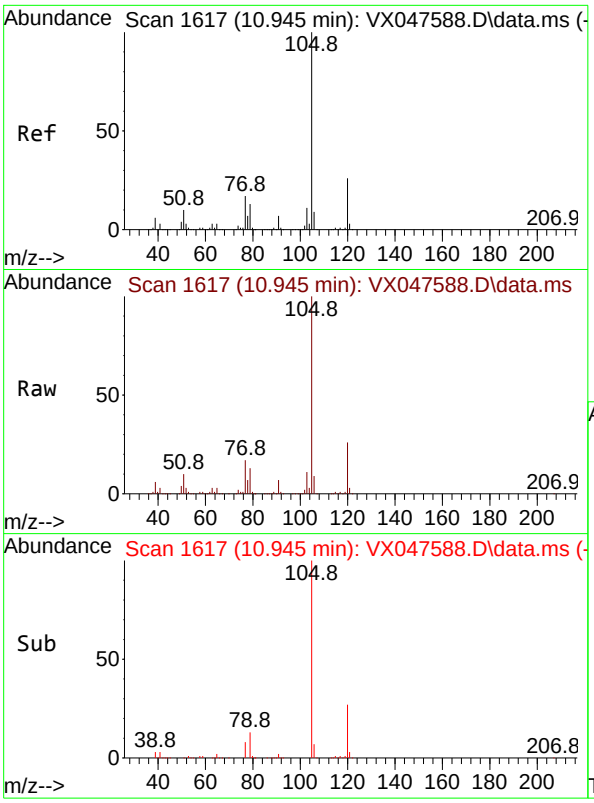


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0

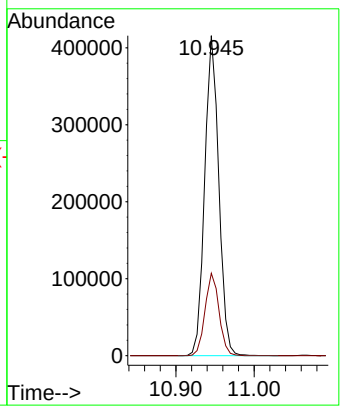




#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51689

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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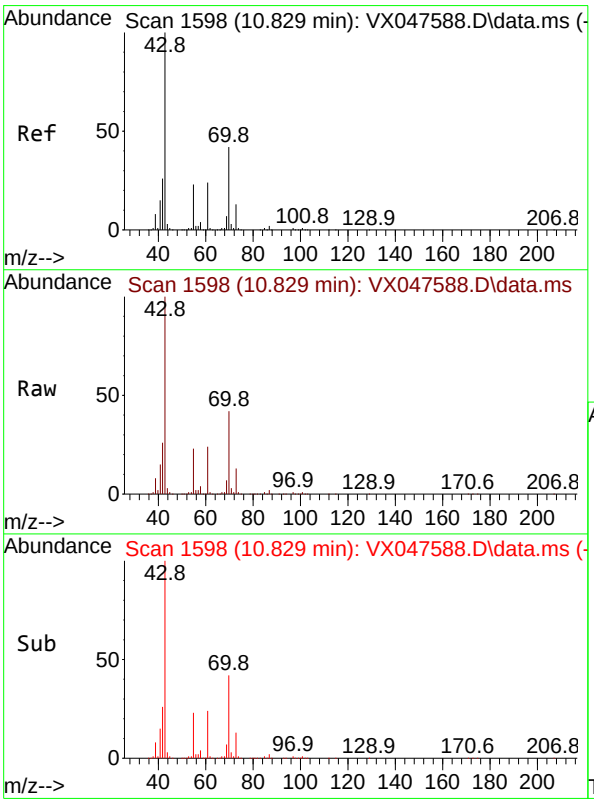
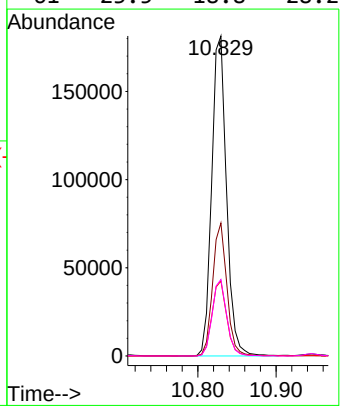
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

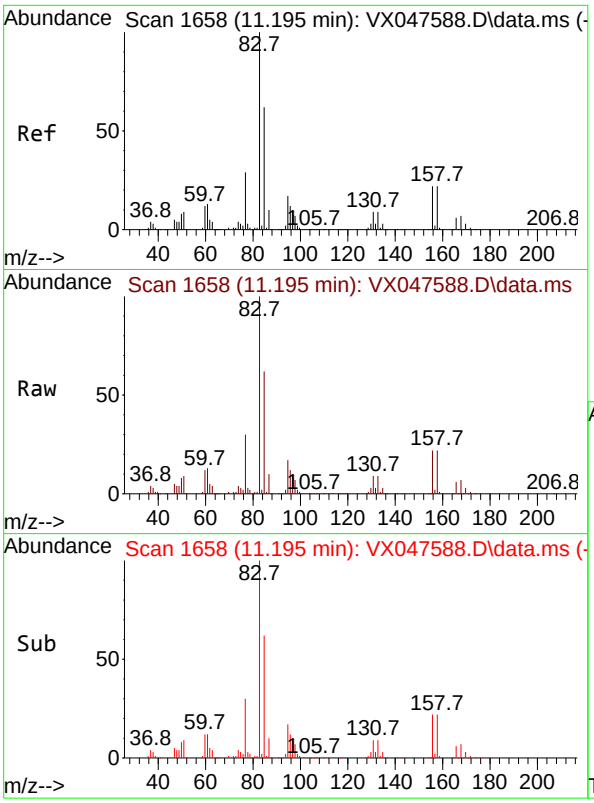


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 15645

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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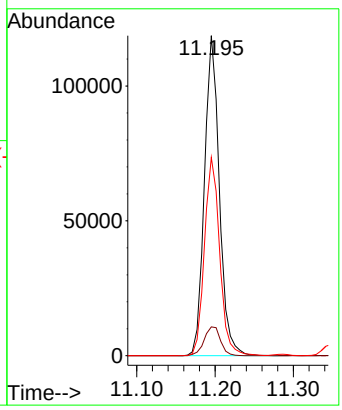
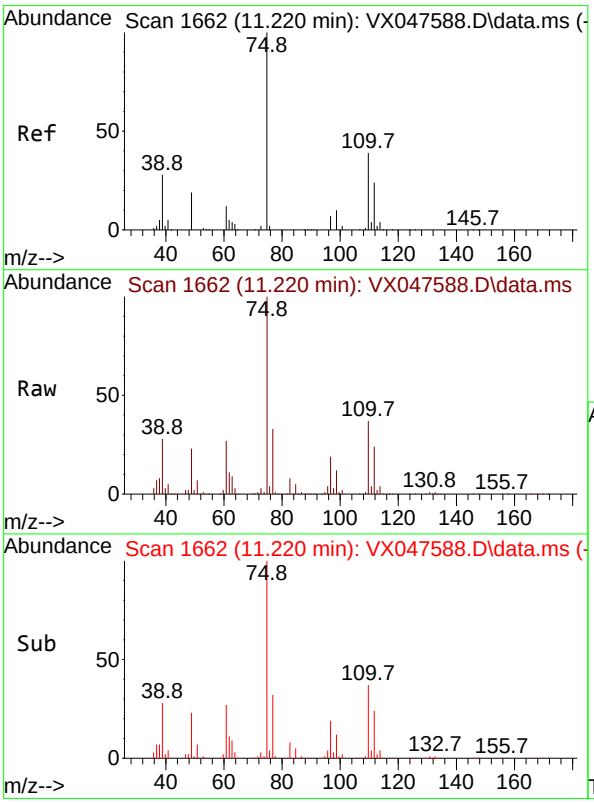
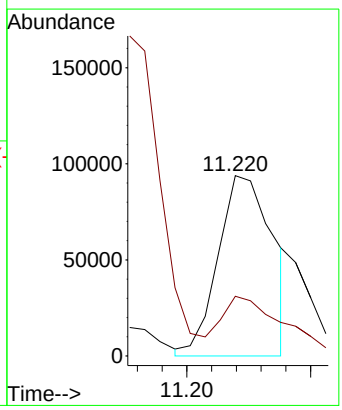


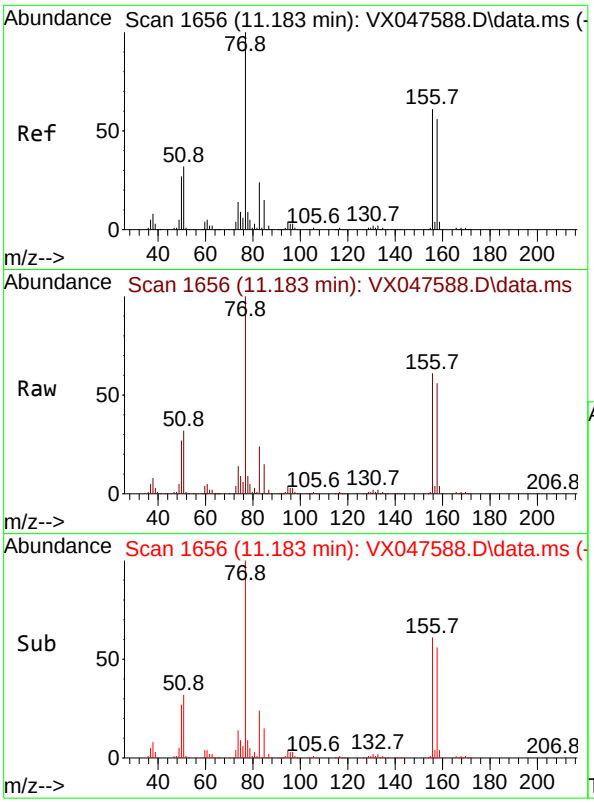


#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 144074

Ion	Ratio	Lower	Upper
75	100		
77	37.6	18.8	56.4





#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:156 Resp: 12617

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
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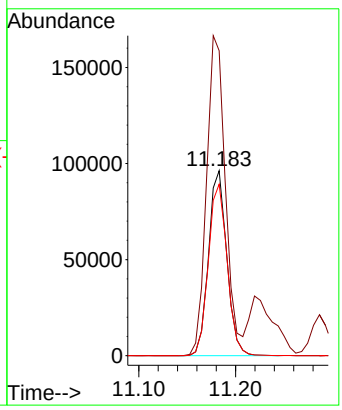
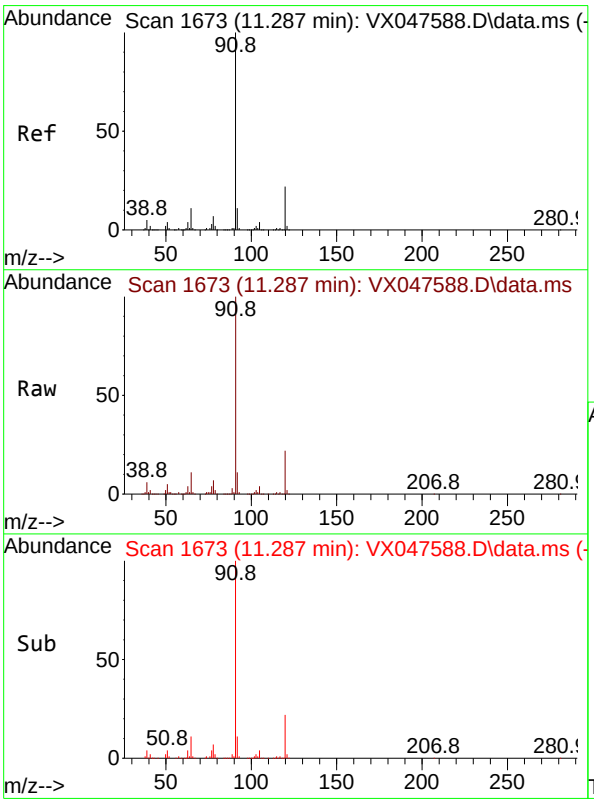
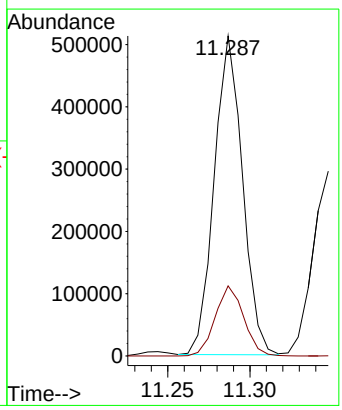


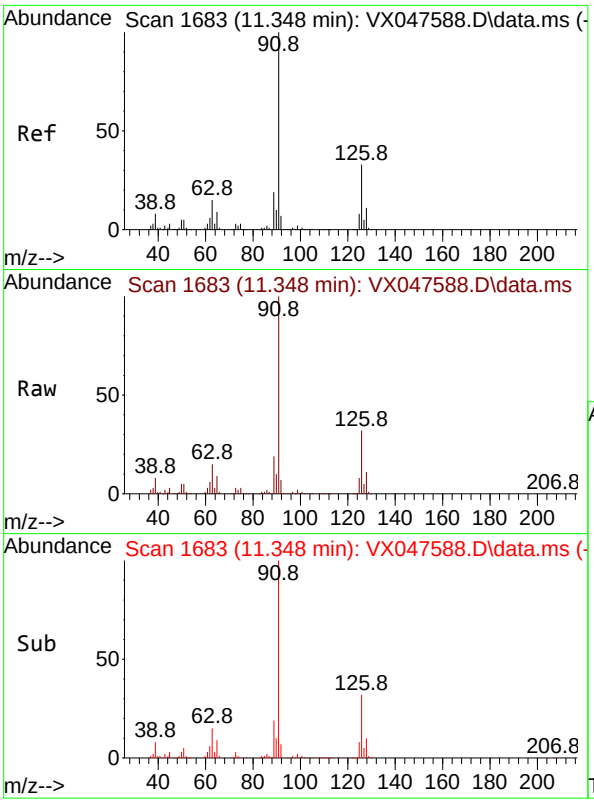


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 37239

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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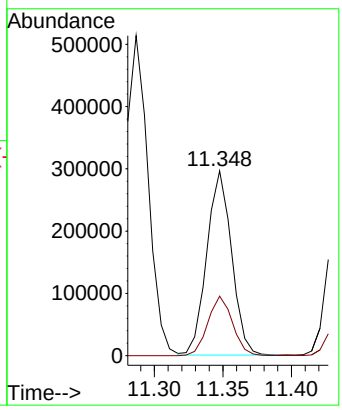
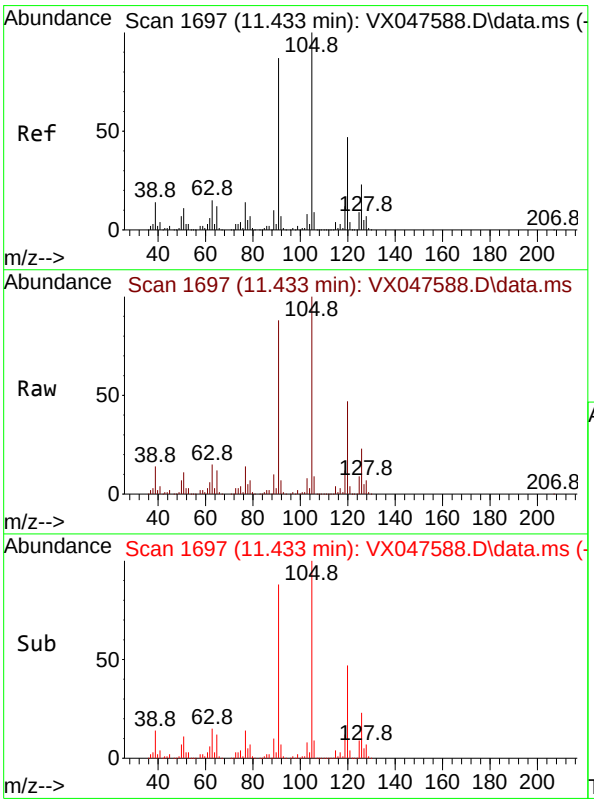
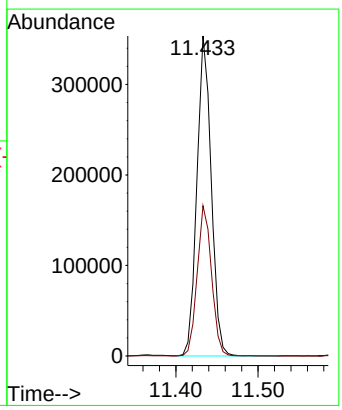


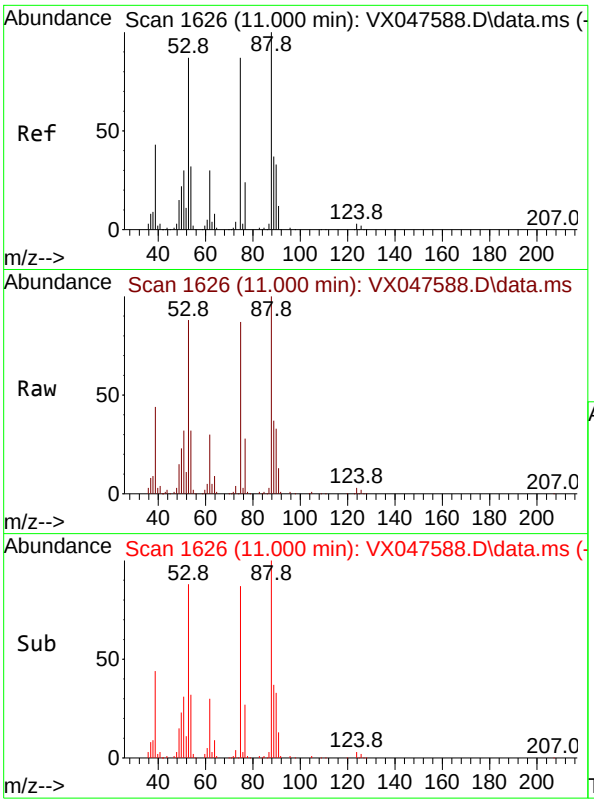


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 5292

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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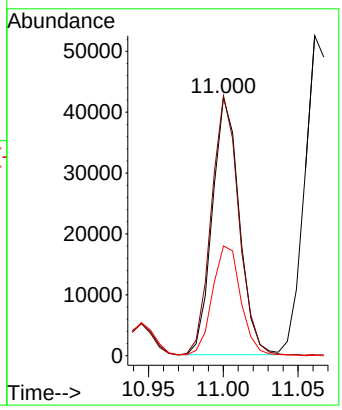
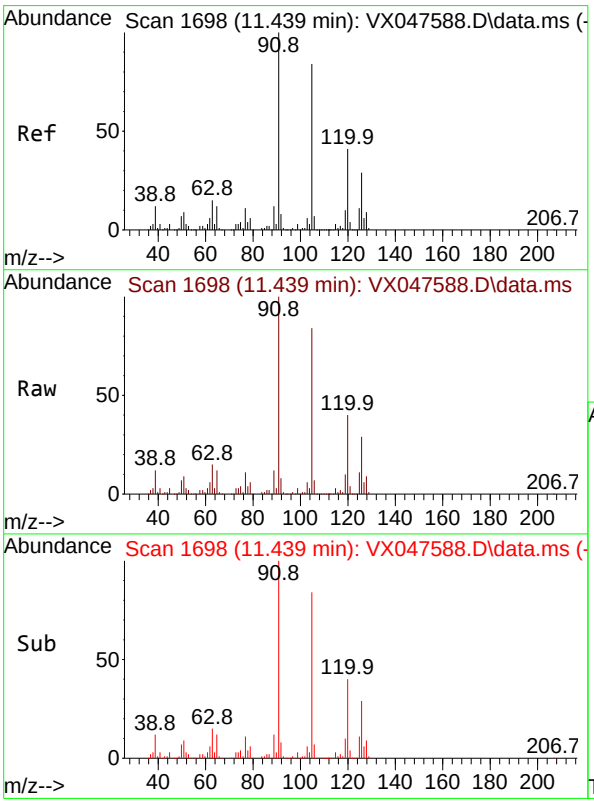
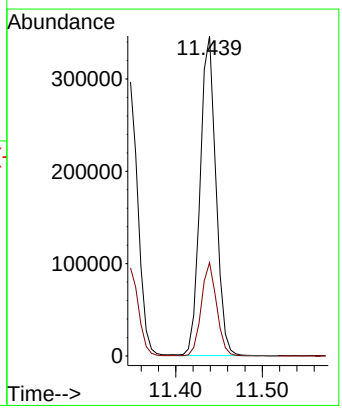


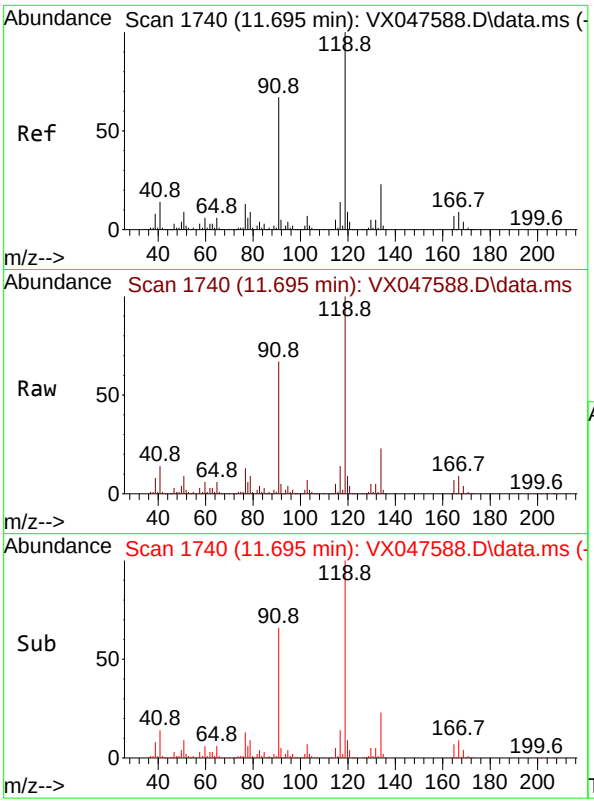


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

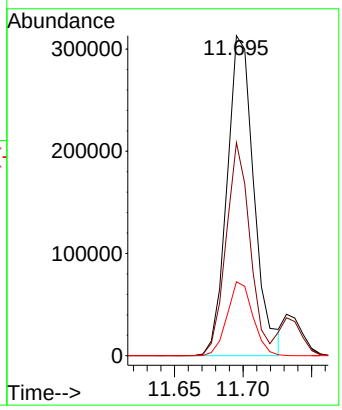




#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 42910

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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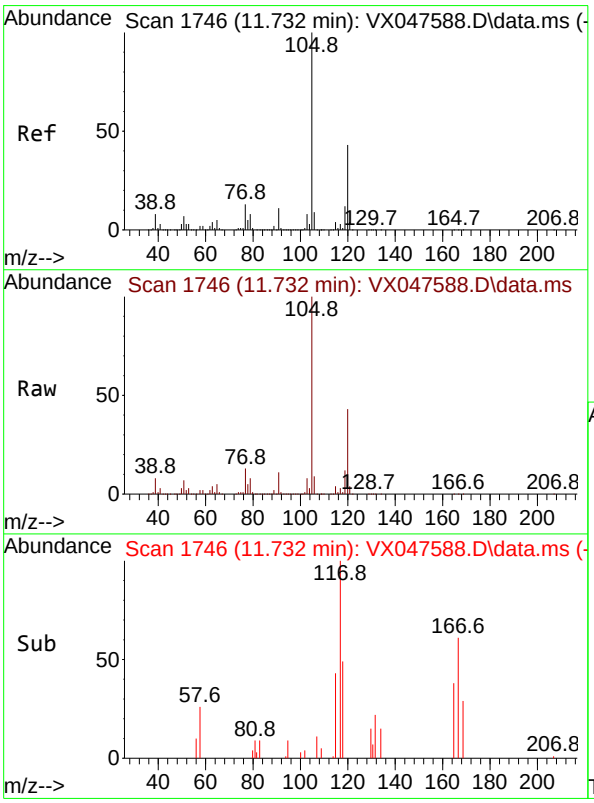
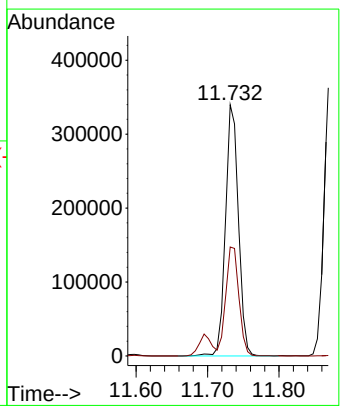
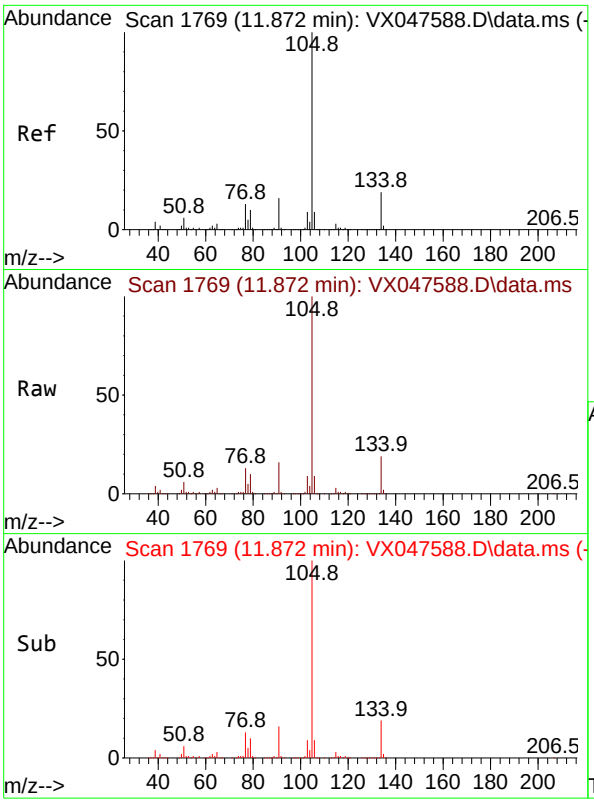


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

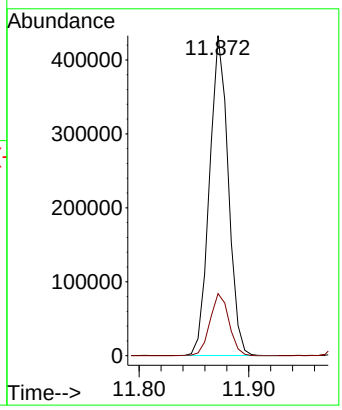




#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51444

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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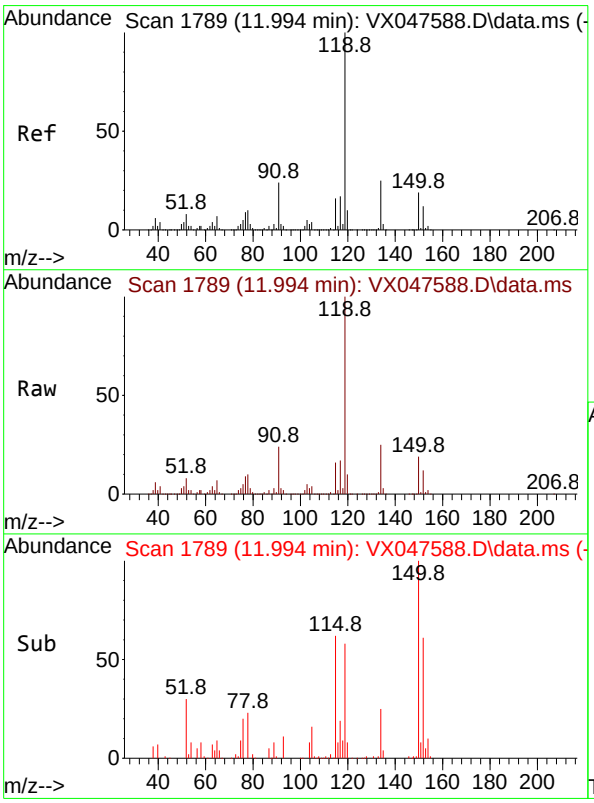
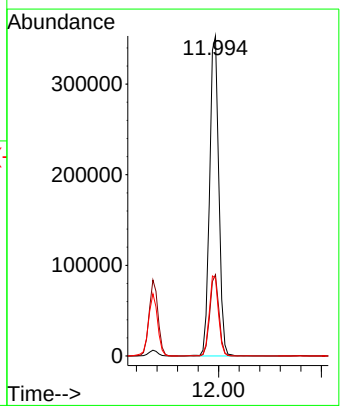
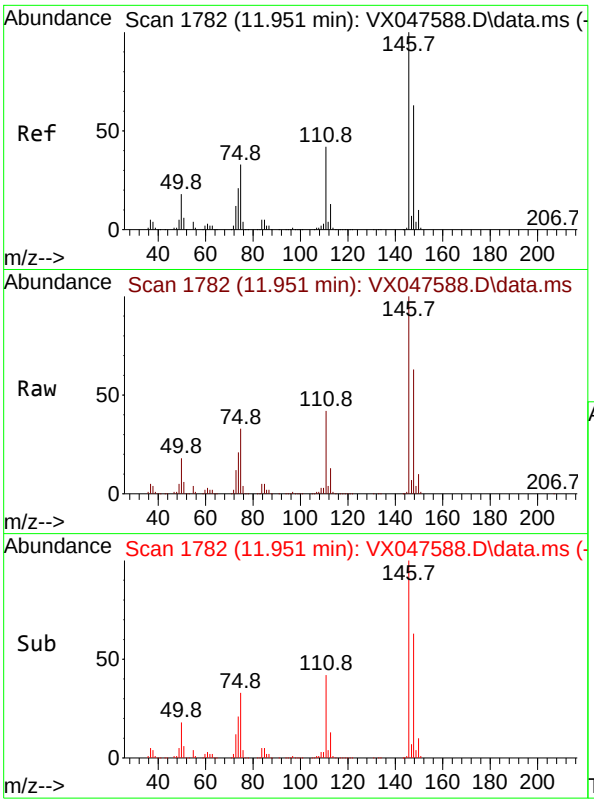


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6

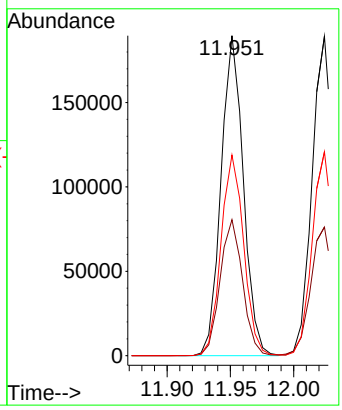




#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 23203

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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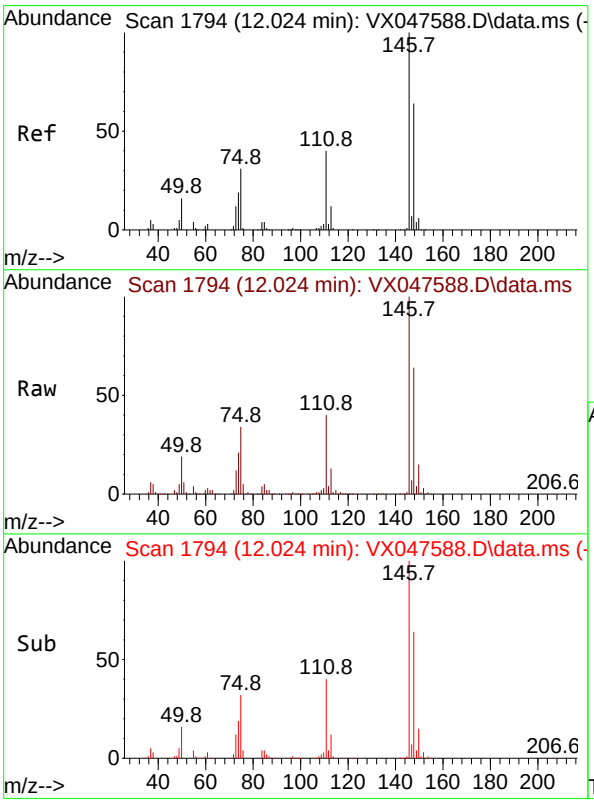
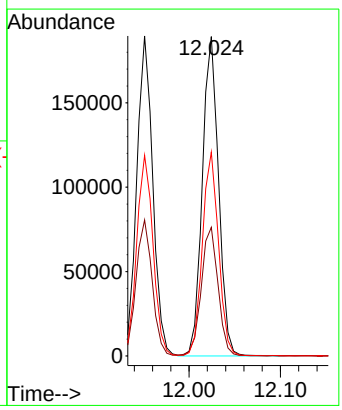
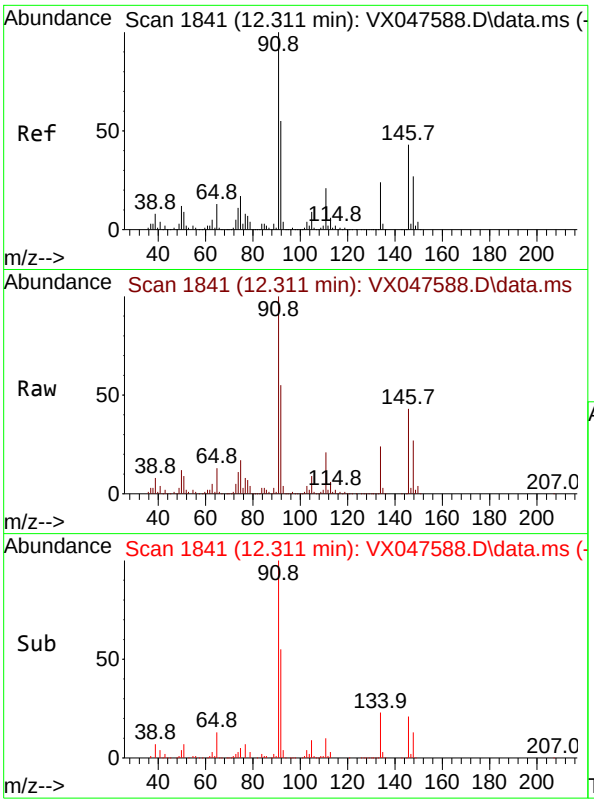


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1

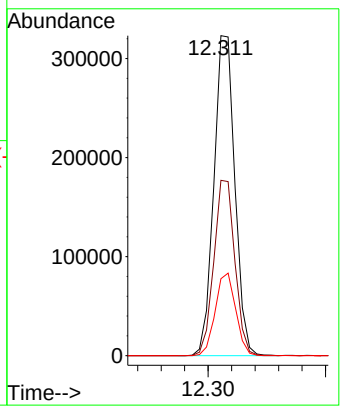




#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 40099

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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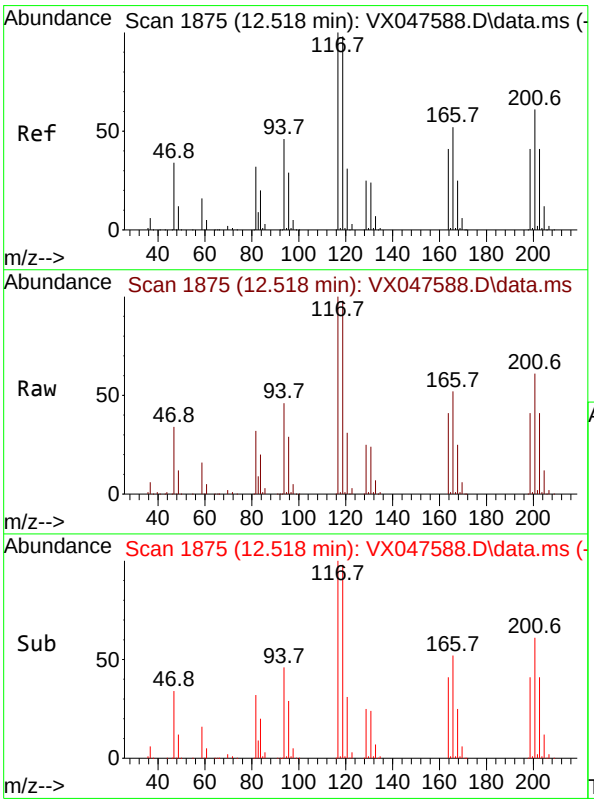
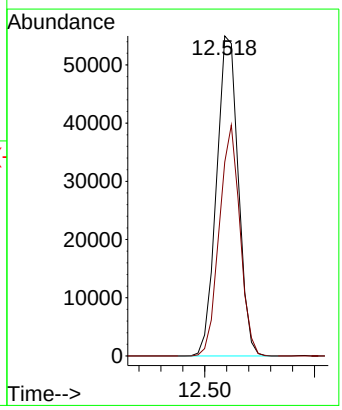
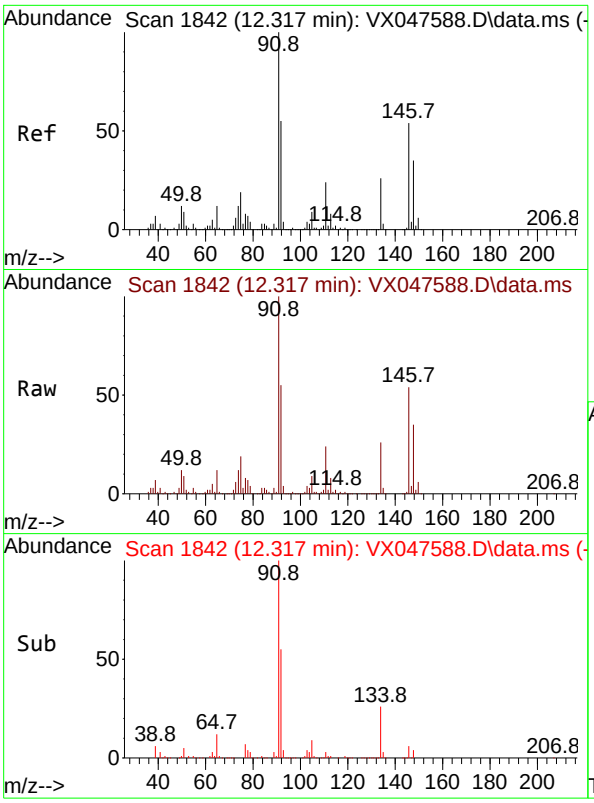


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5

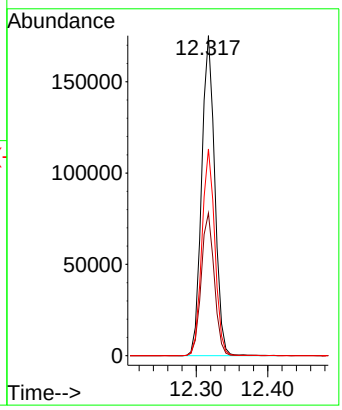




#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 22299

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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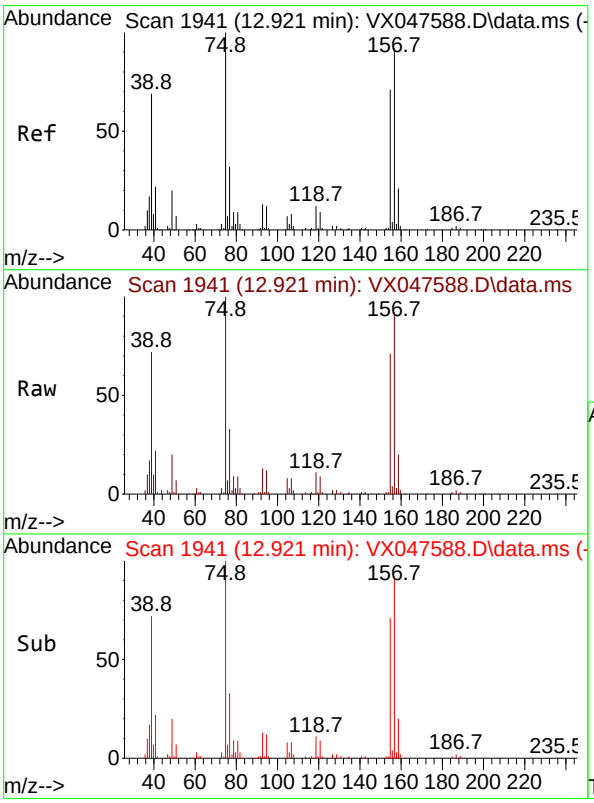
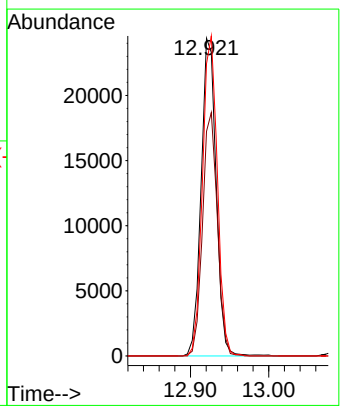
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

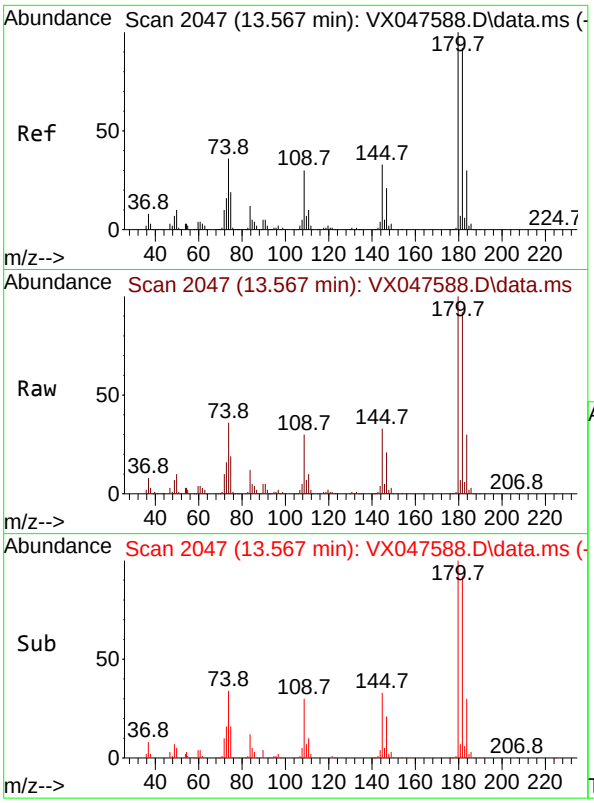


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4

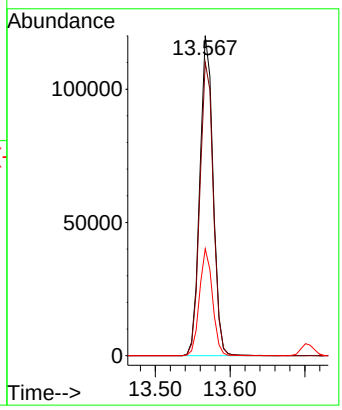




#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 14767

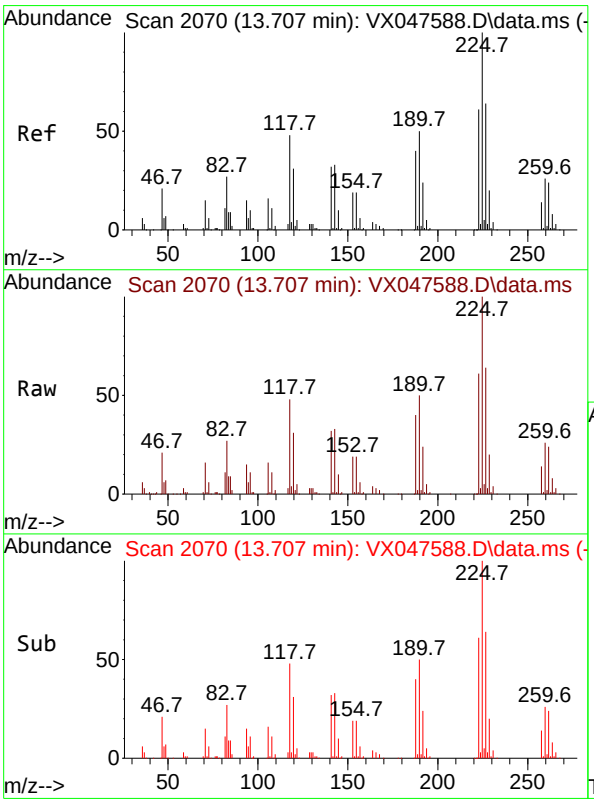
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

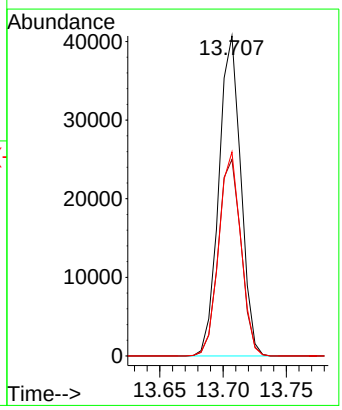
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

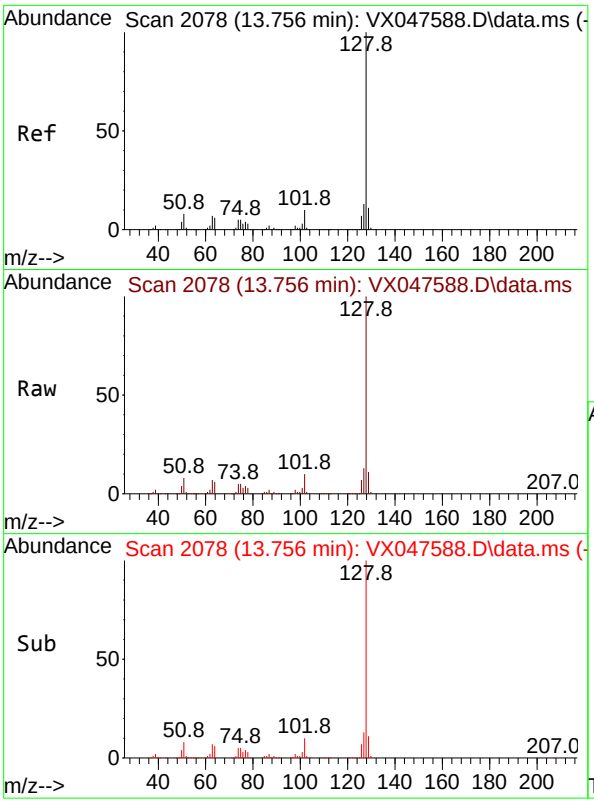


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0

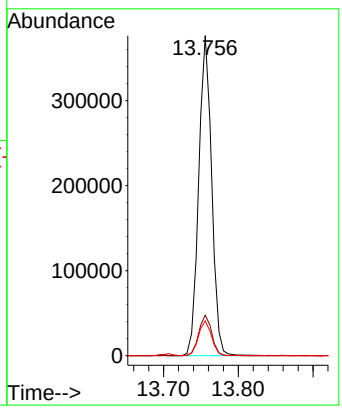




#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:128 Resp: 45201

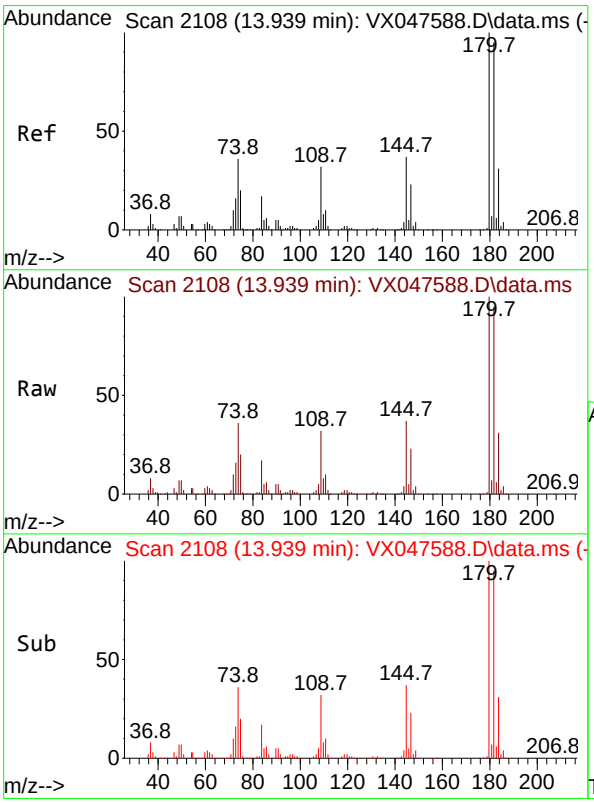
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

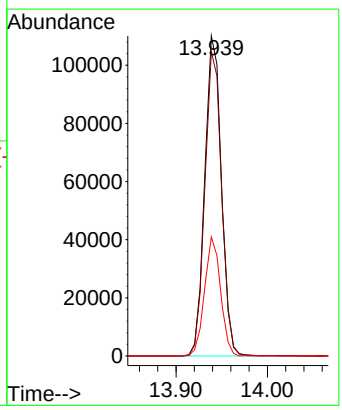
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220 ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916 ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482 ug/l	99
44) Trichloroethene	7.104	130	217753	101.234 ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145 ug/l	100
46) Dibromomethane	7.562	93	164987	99.519 ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136 ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612 ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315 ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834 ug/l	100
52) Toluene	8.702	92	536148	97.811 ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986 ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434 ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435 ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814 ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380 ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226 ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147 ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284 ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988 ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823 ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624 ug/l	99
69) o-Xylene	10.622	106	372621	102.186 ug/l	99
70) Styrene	10.634	104	649863	101.710 ug/l	100
71) Bromoform	10.781	173	161188	106.566 ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768 ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172 ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	229521m	90.444 ug/l	
77) Bromobenzene	11.183	156	234666	102.541 ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941 ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689 ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054 ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333 ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144 ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840 ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985 ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138 ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304 ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225 ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922 ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049 ug/l	99
95) Naphthalene	13.756	128	854492	106.620 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

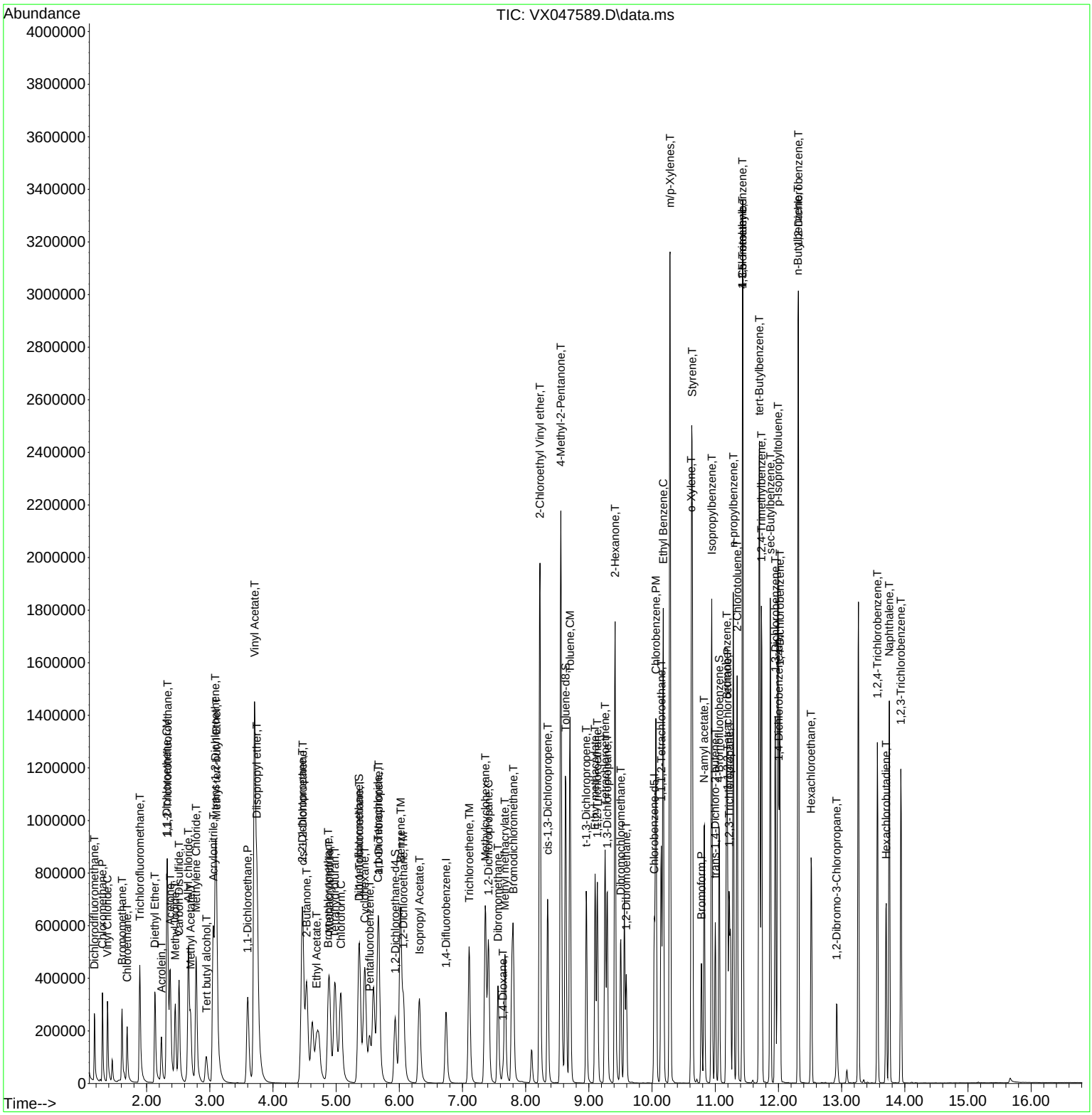
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

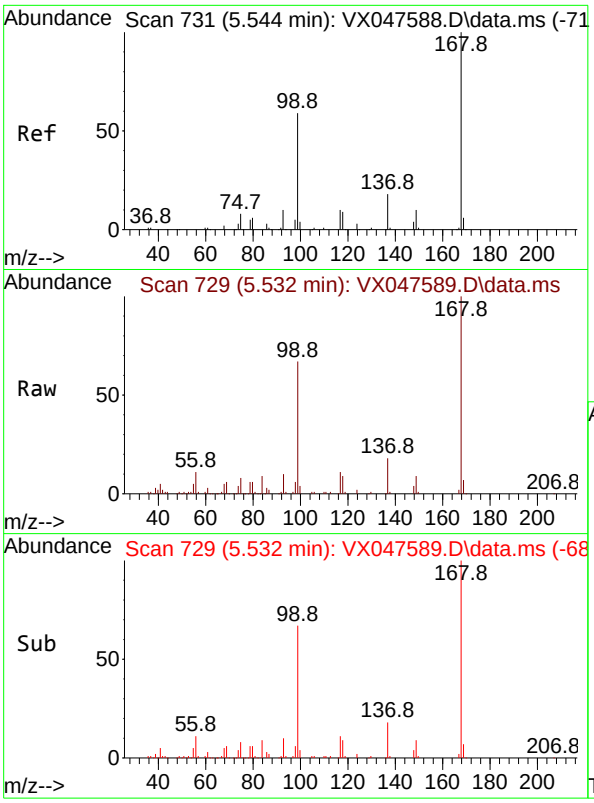
Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

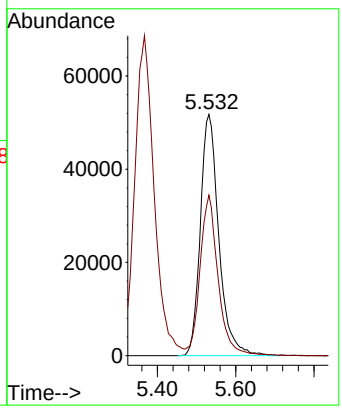




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:168 Resp: 16928

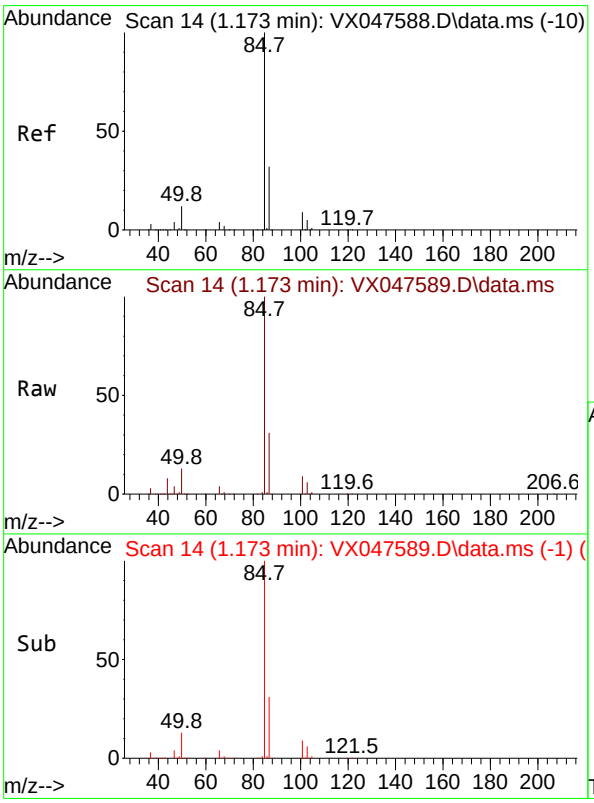
Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

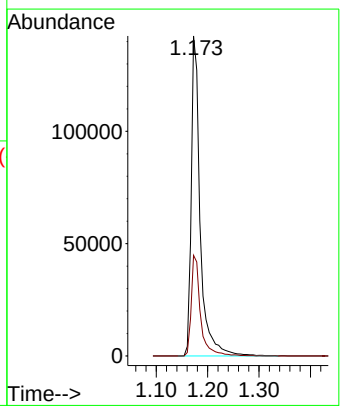
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

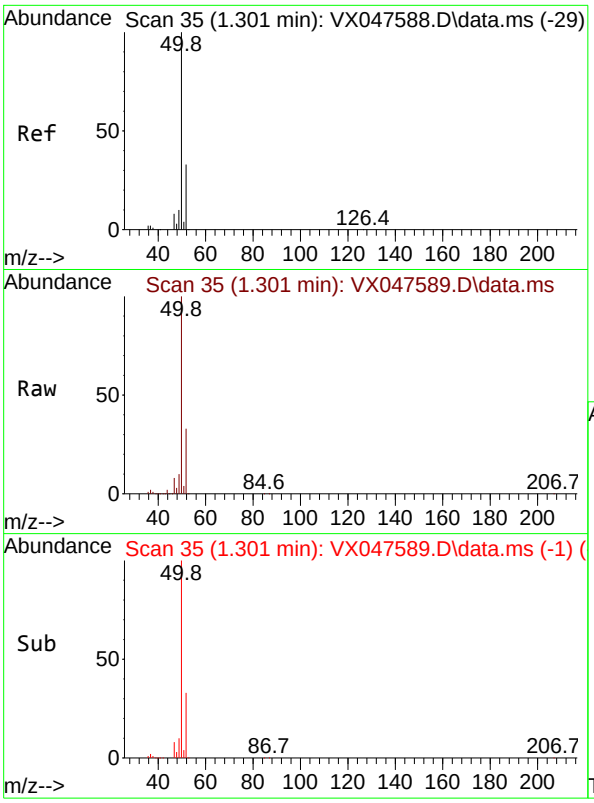


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3

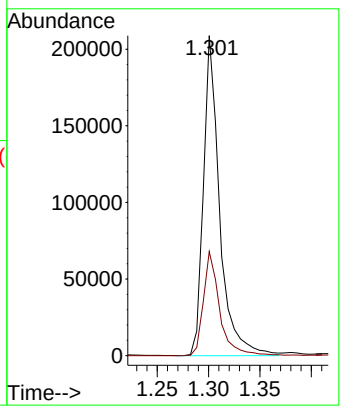




#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 50 Resp: 22916

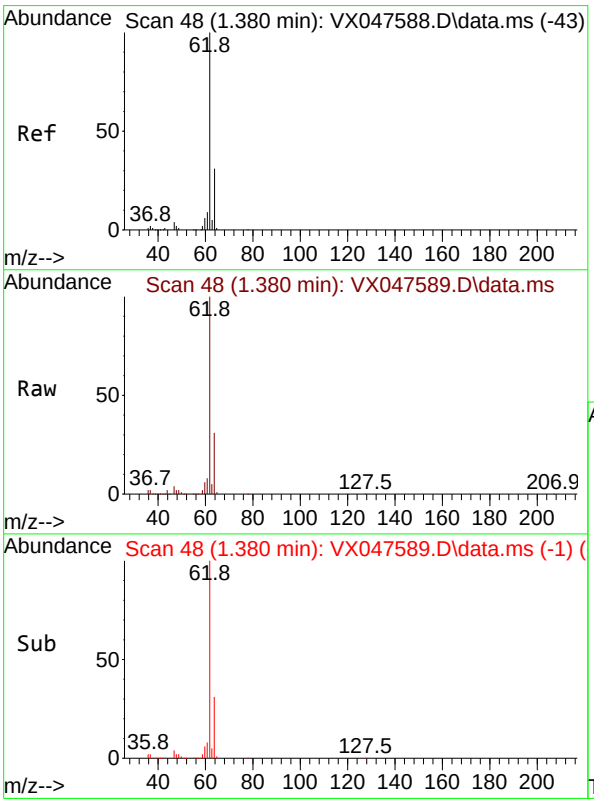
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

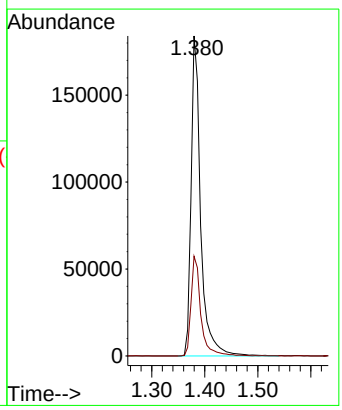
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

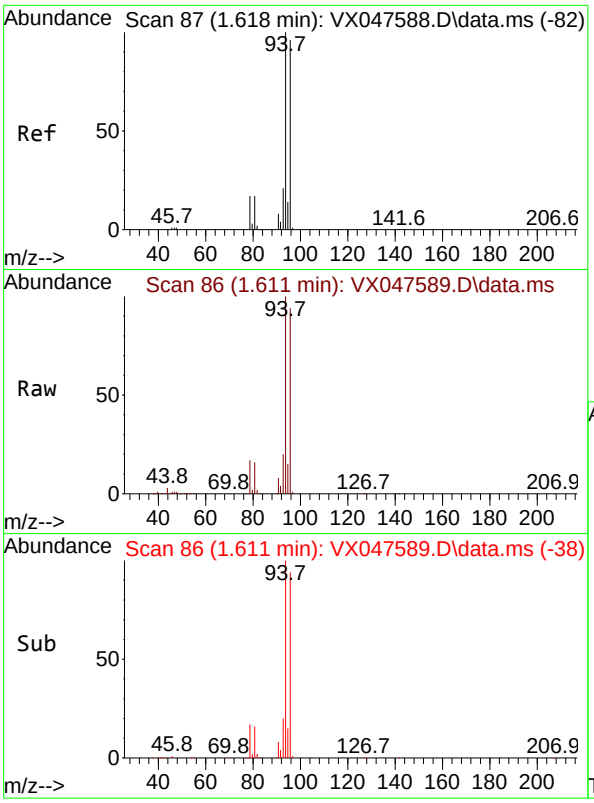


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3





#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 94 Resp: 14311

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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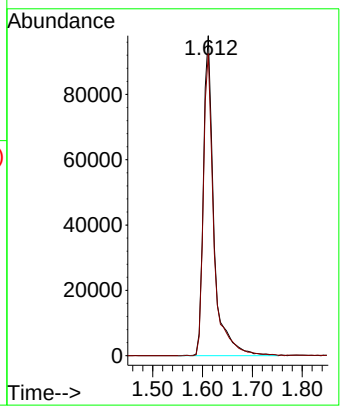
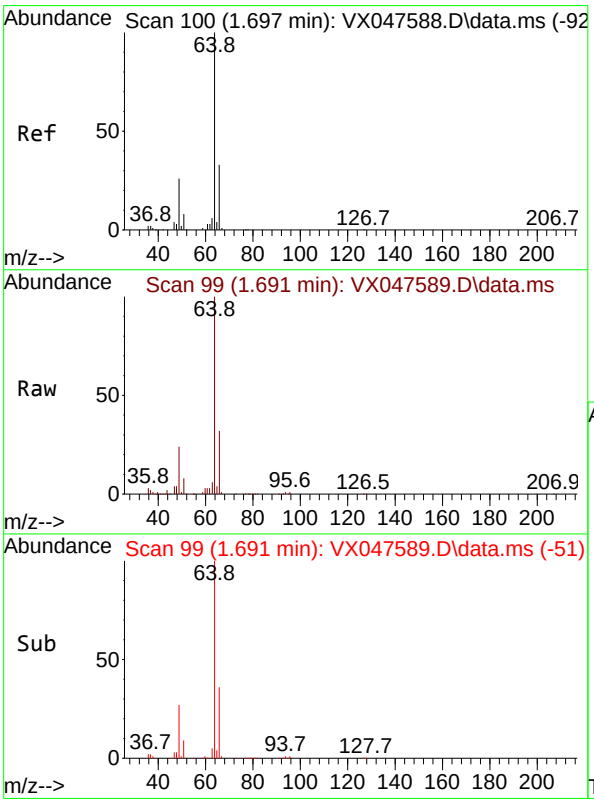
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

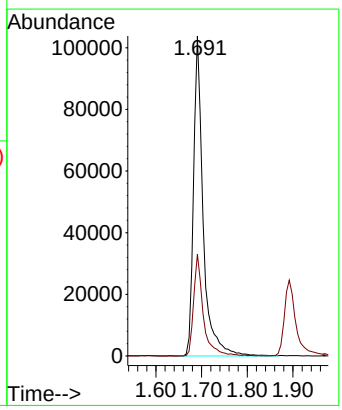


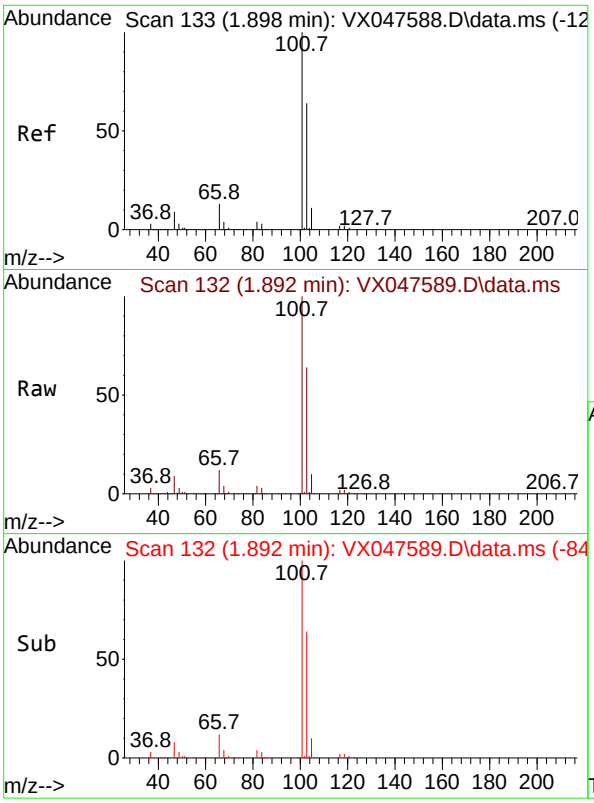


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1

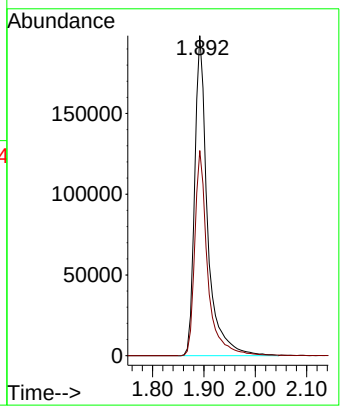




#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 34448

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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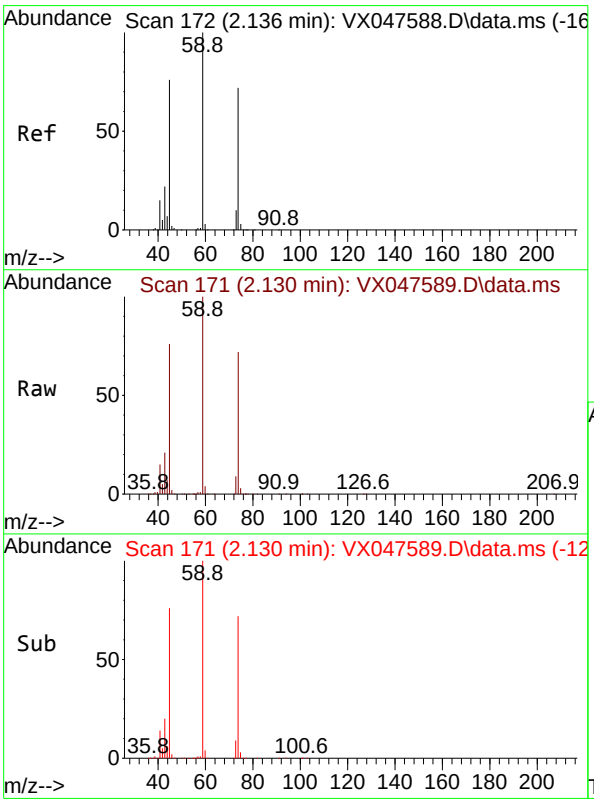
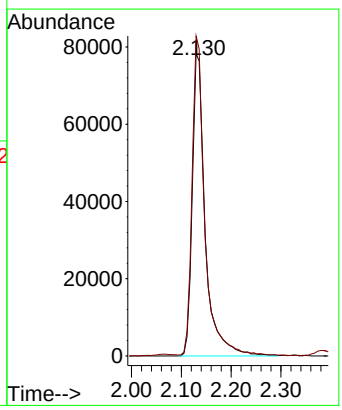
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

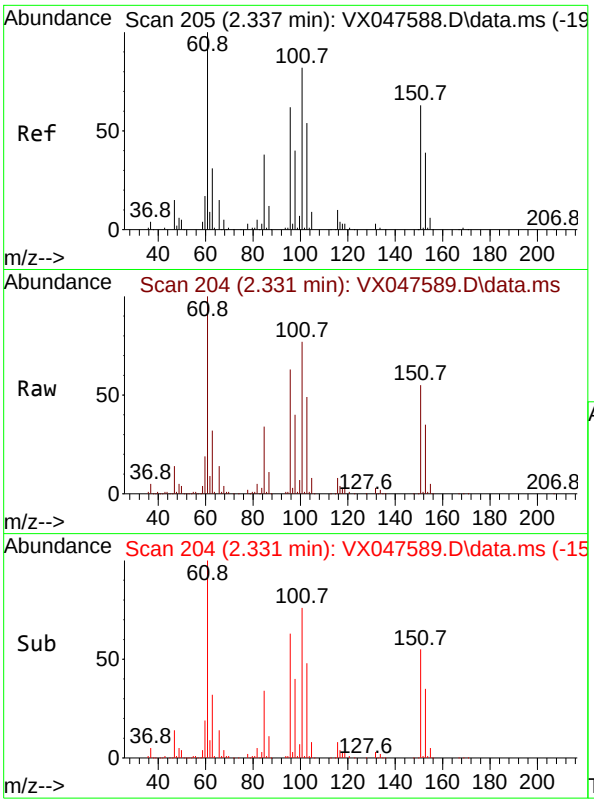


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8

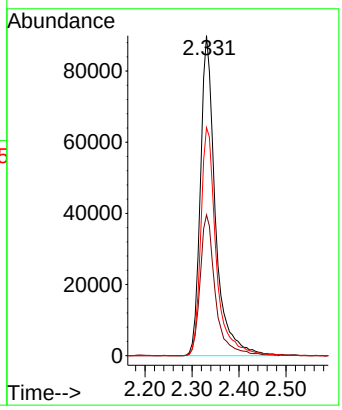




#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 19984

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 09/17/2025
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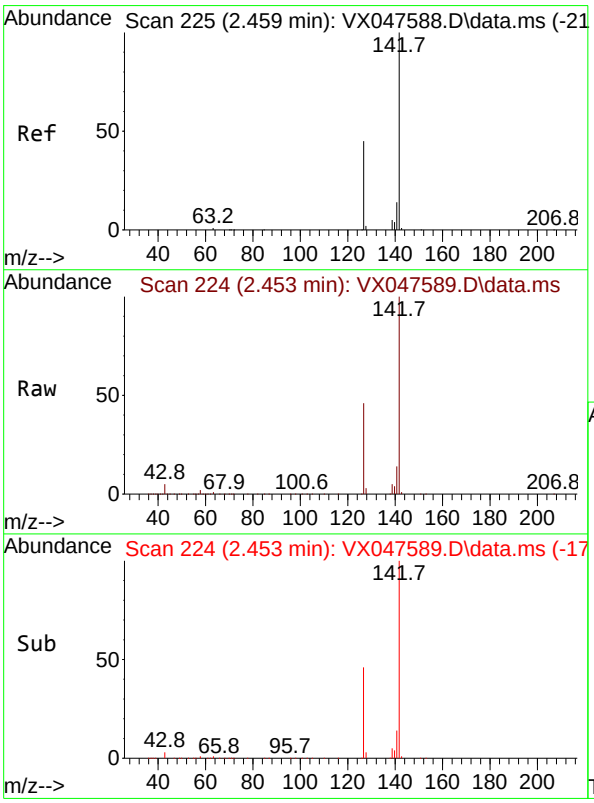
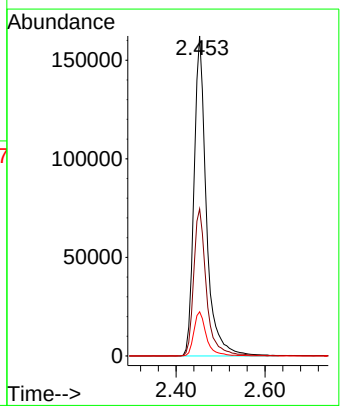
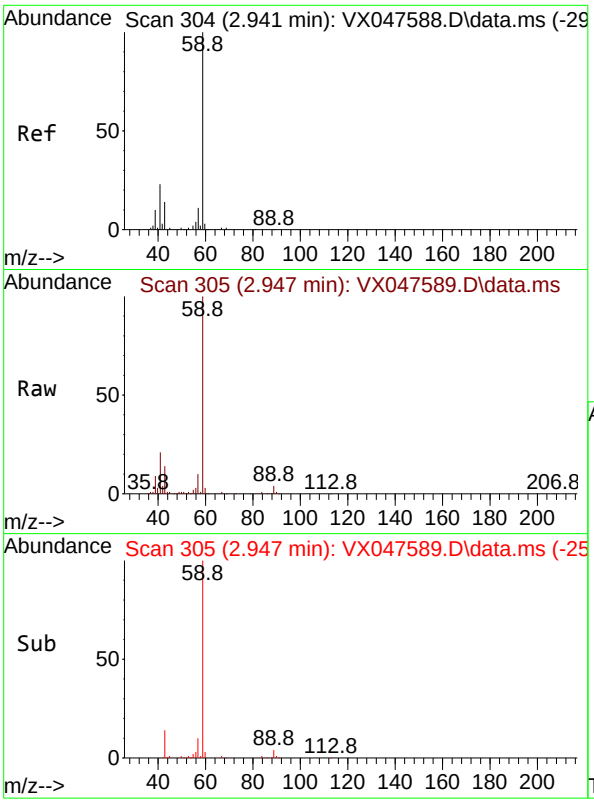


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0

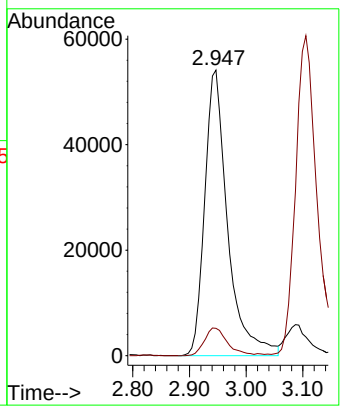




#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 59 Resp: 15210

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 09/17/2025
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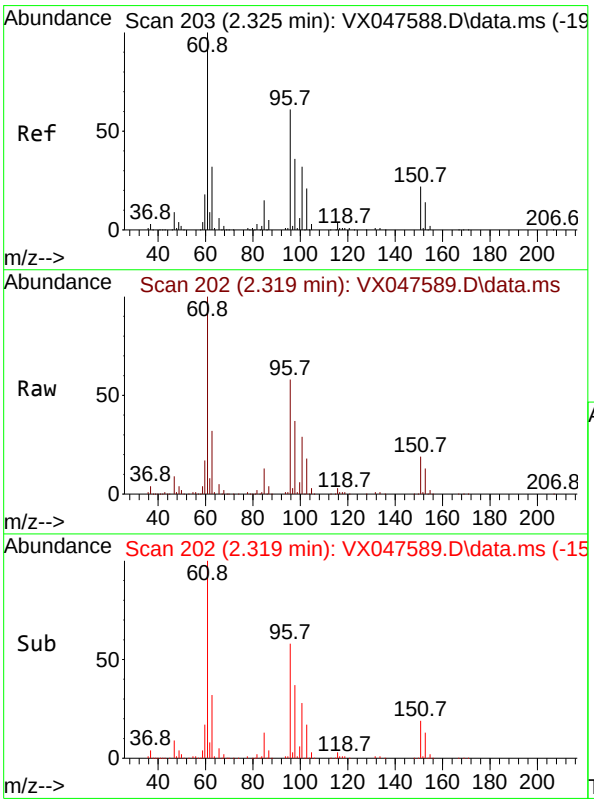
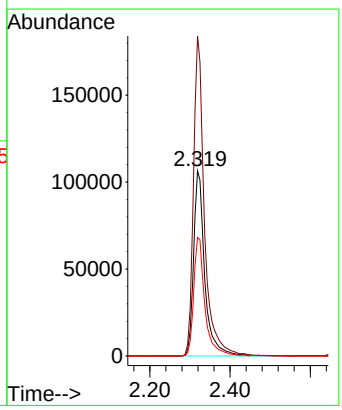
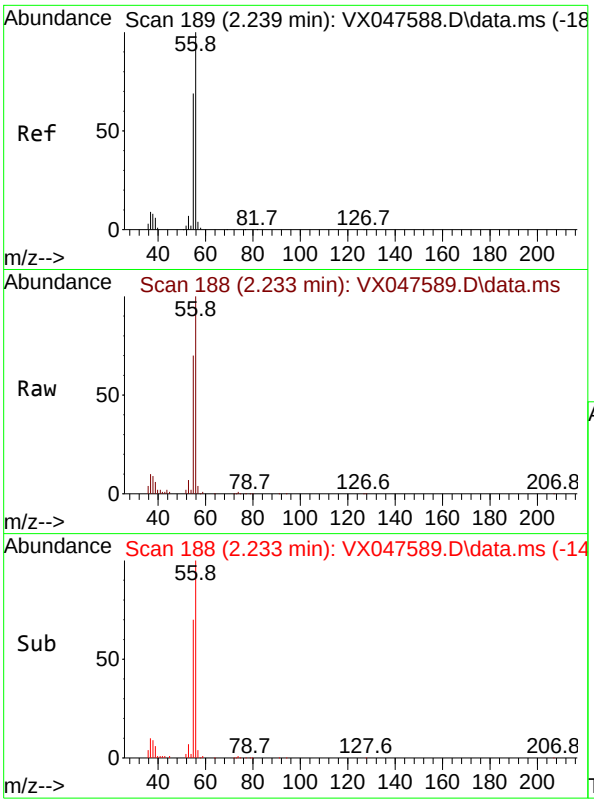


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5

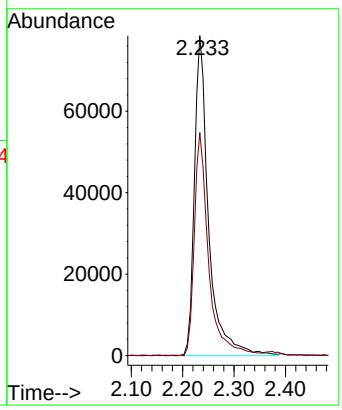




#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 15079

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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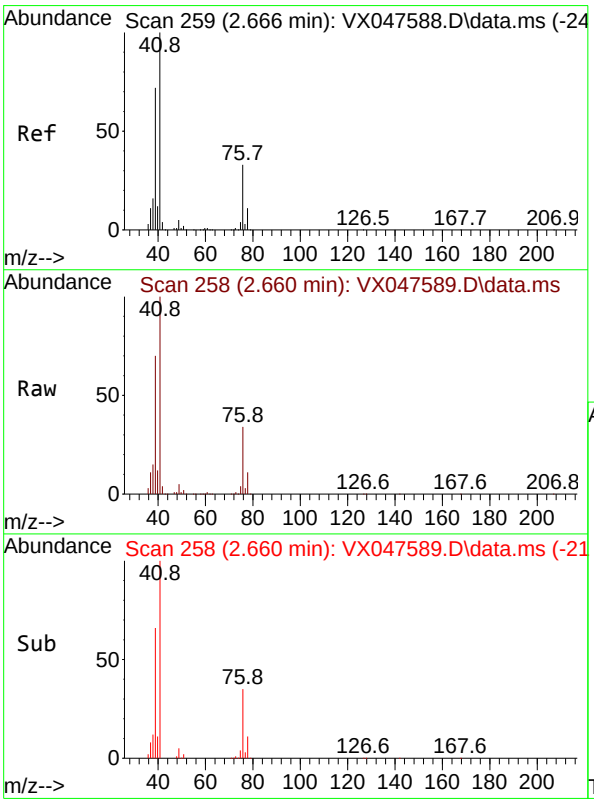
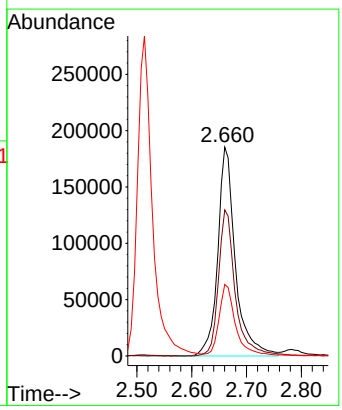
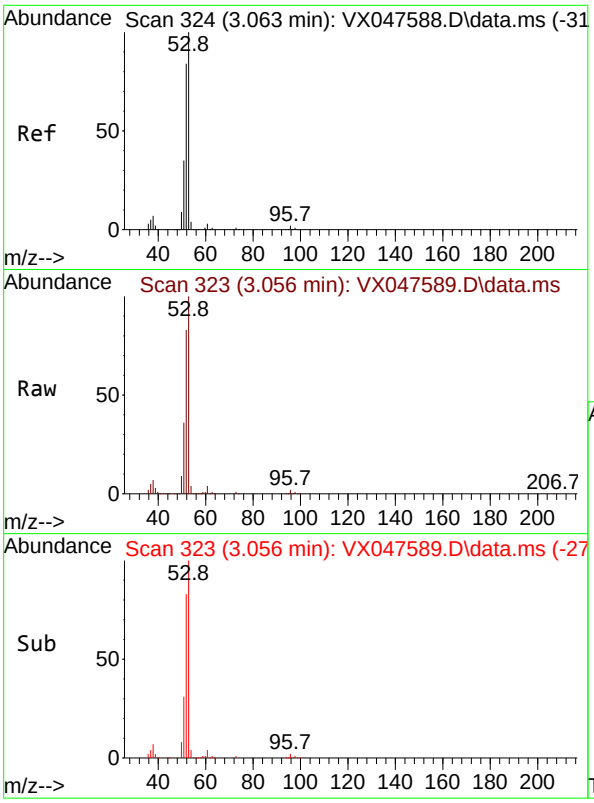


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5

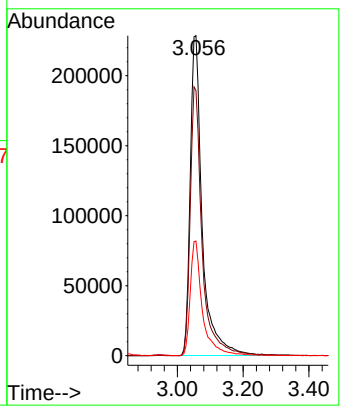




#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 53 Resp: 58124

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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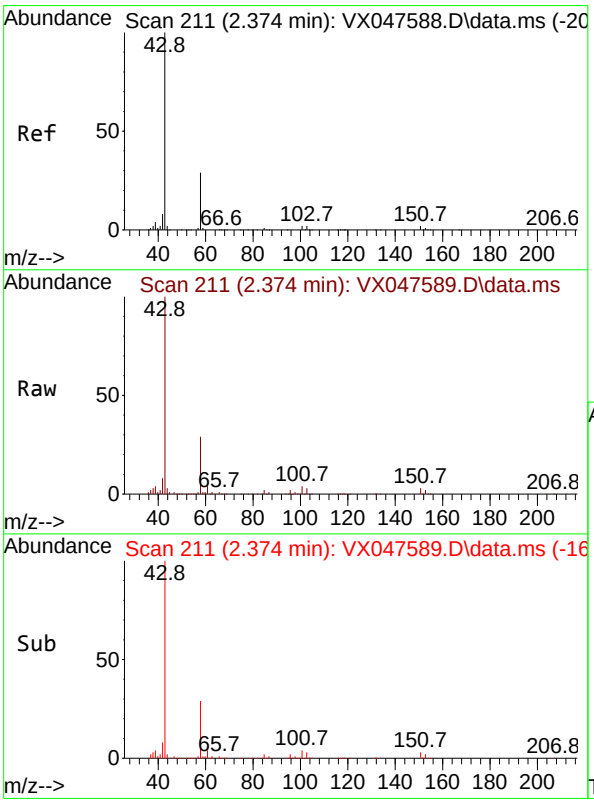
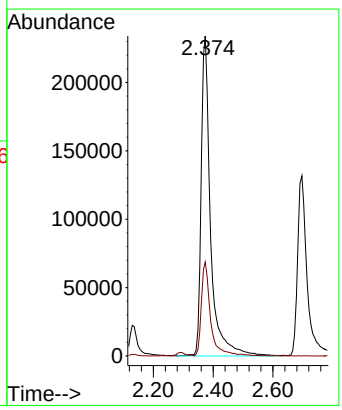
Supervised By :Mahesh Dadoda 09/18/2025

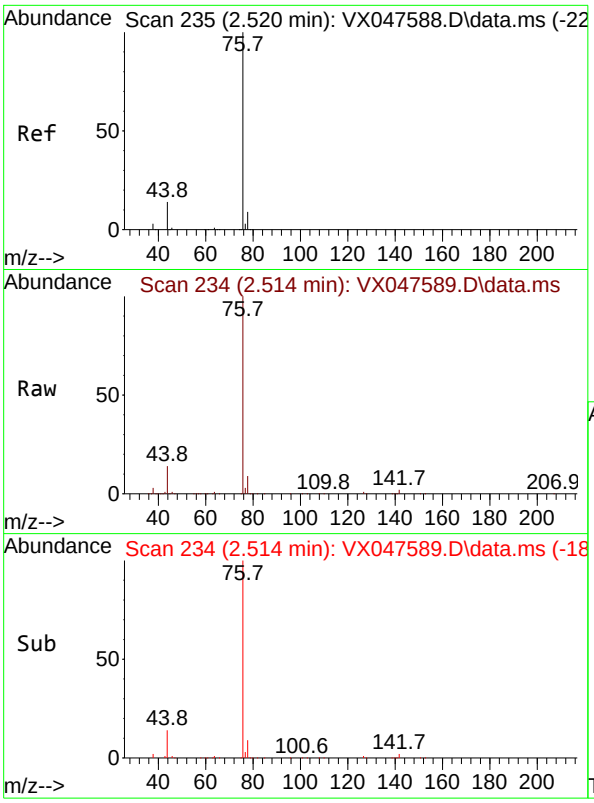


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0





#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 53788

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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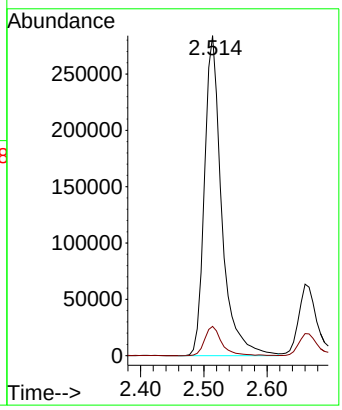
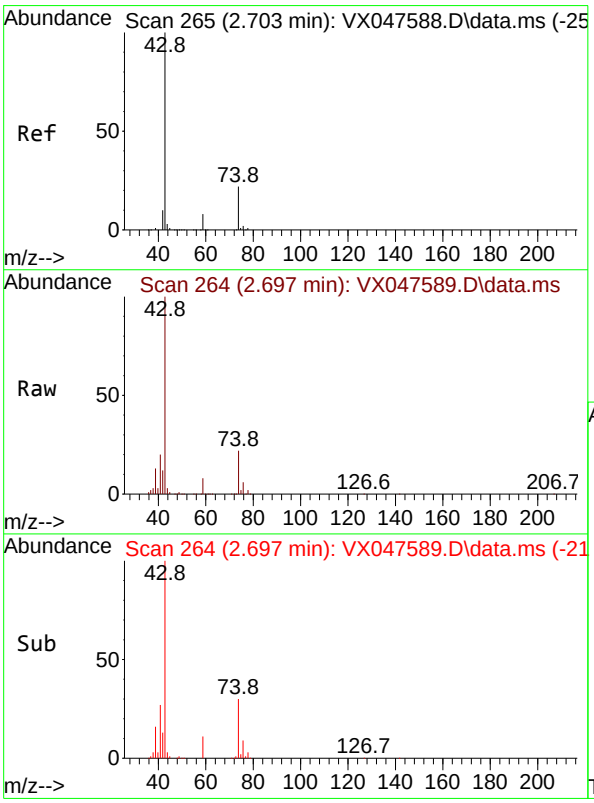
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

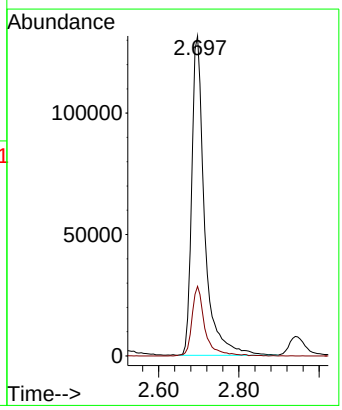


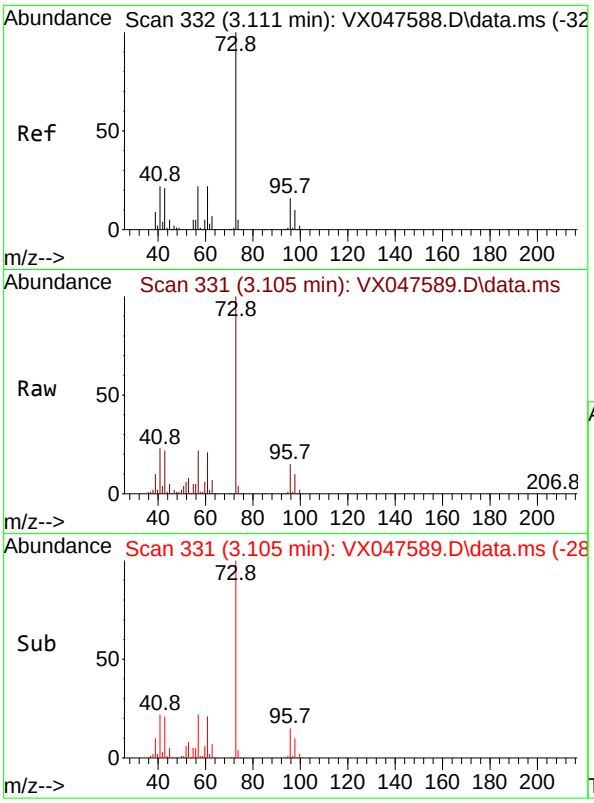


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

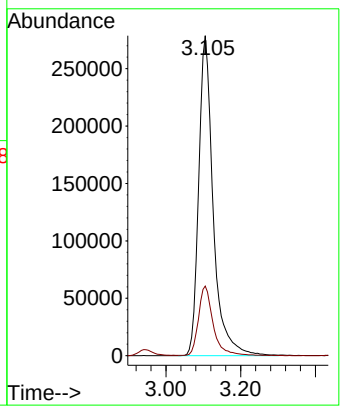




#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 73 Resp: 74895

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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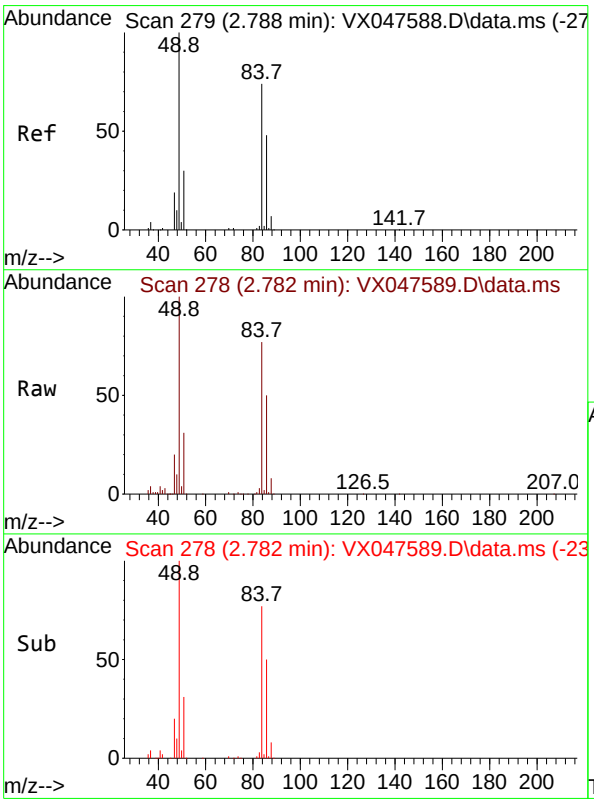
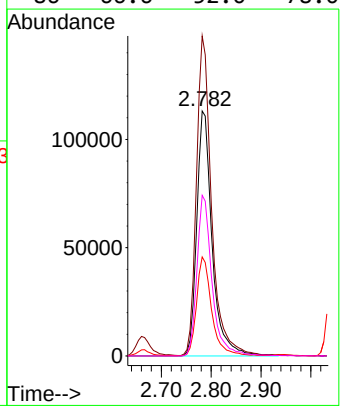
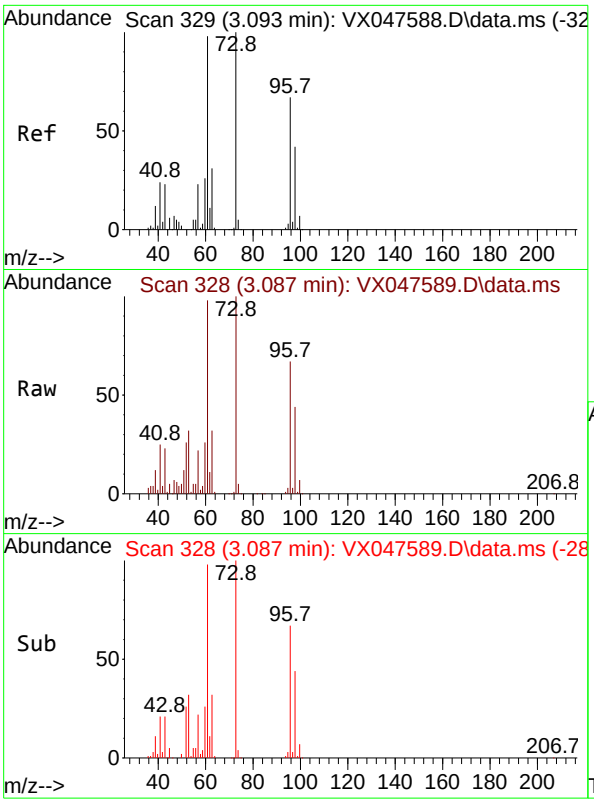


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0

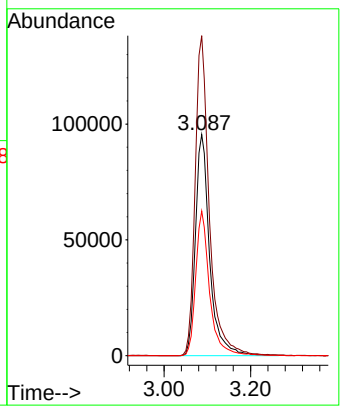




#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 21775

Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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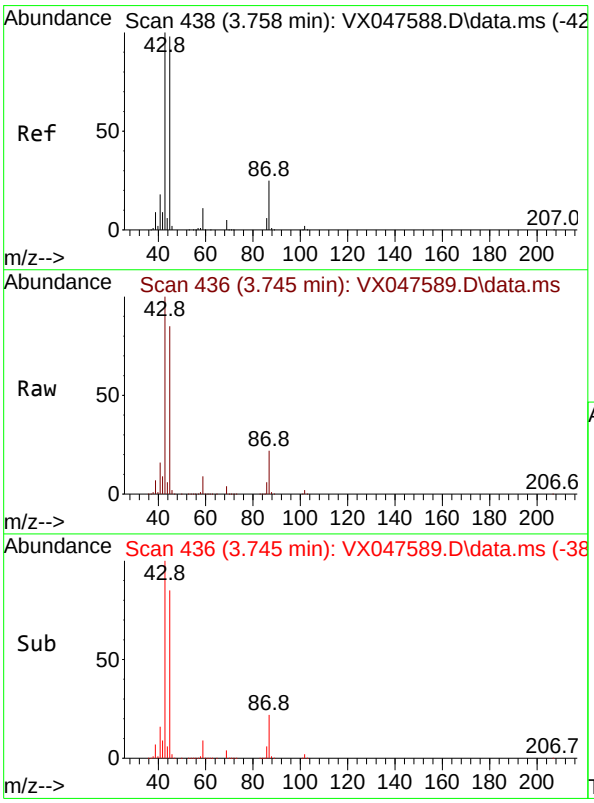
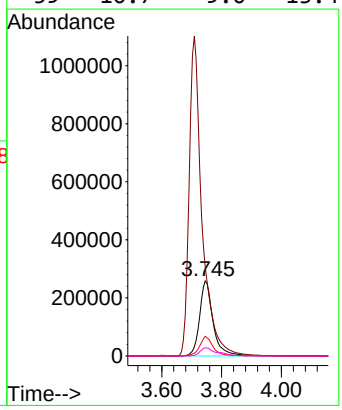
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

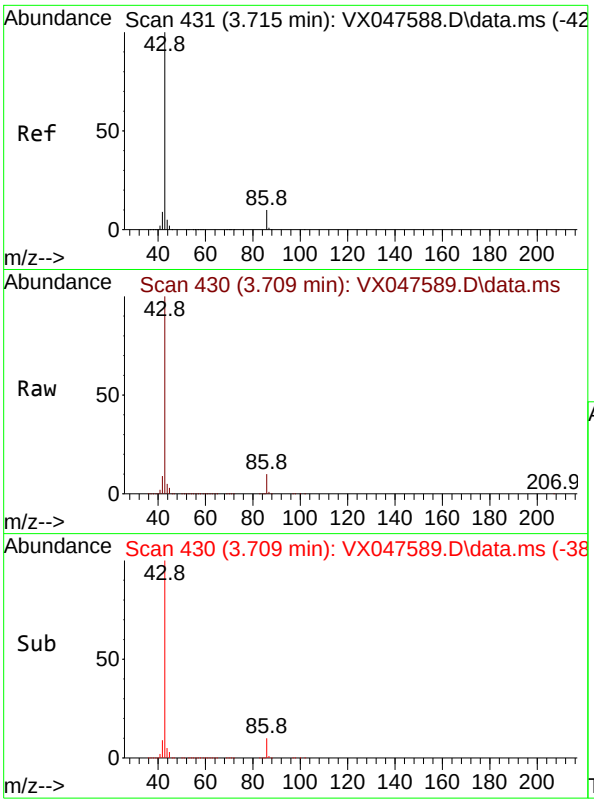


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4





#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 331470

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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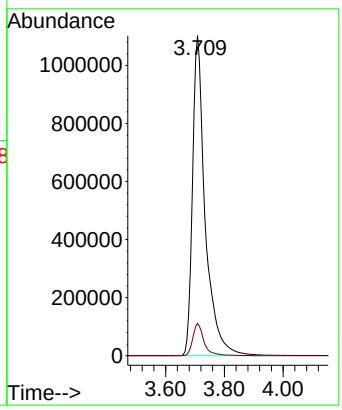
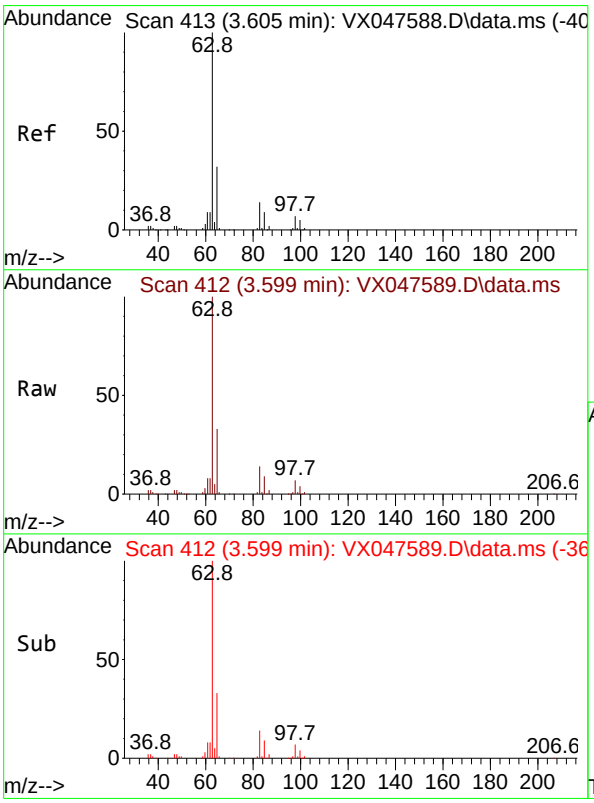
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

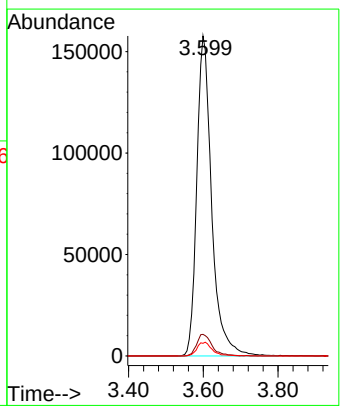


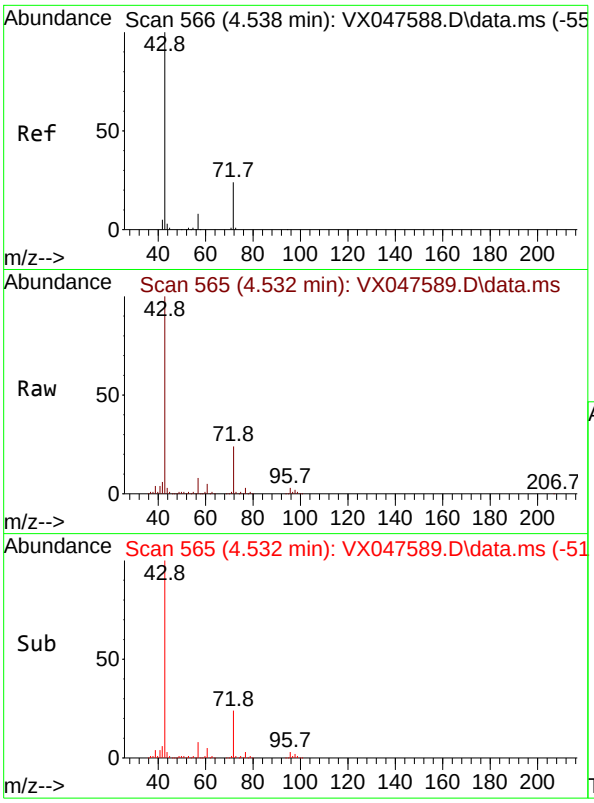


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9

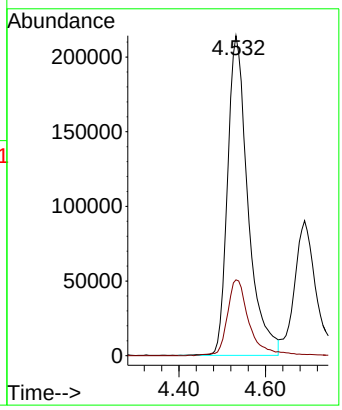




#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 70082

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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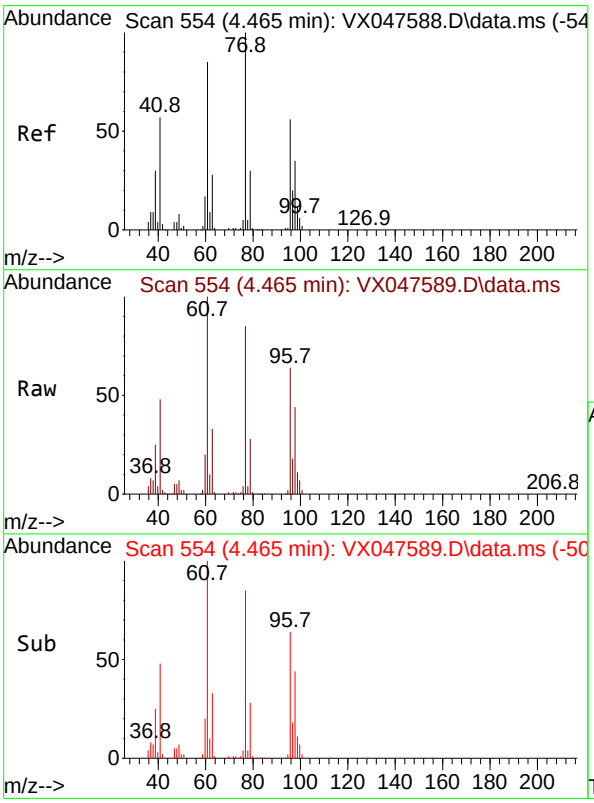
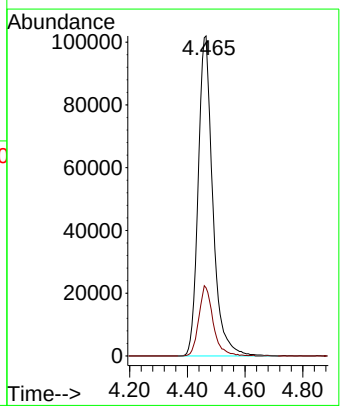
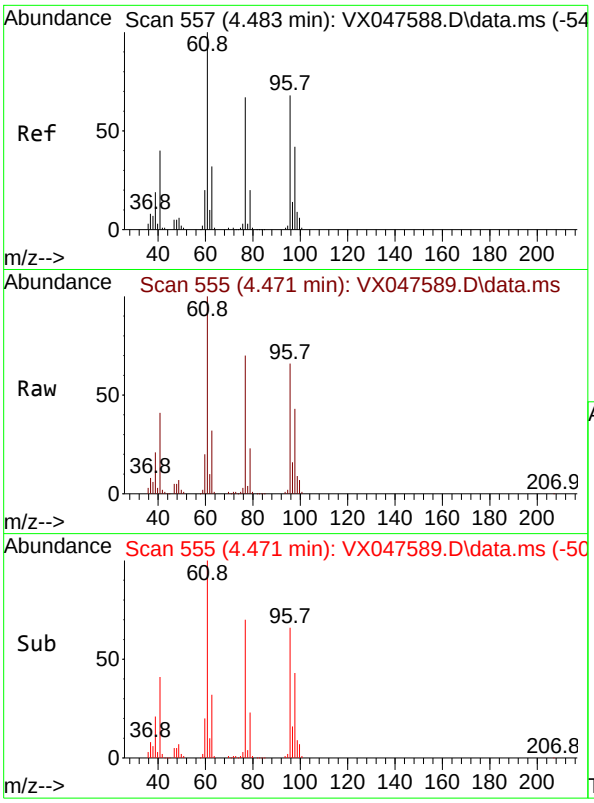


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7

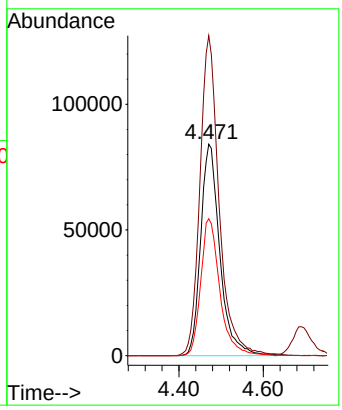




#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 26655

Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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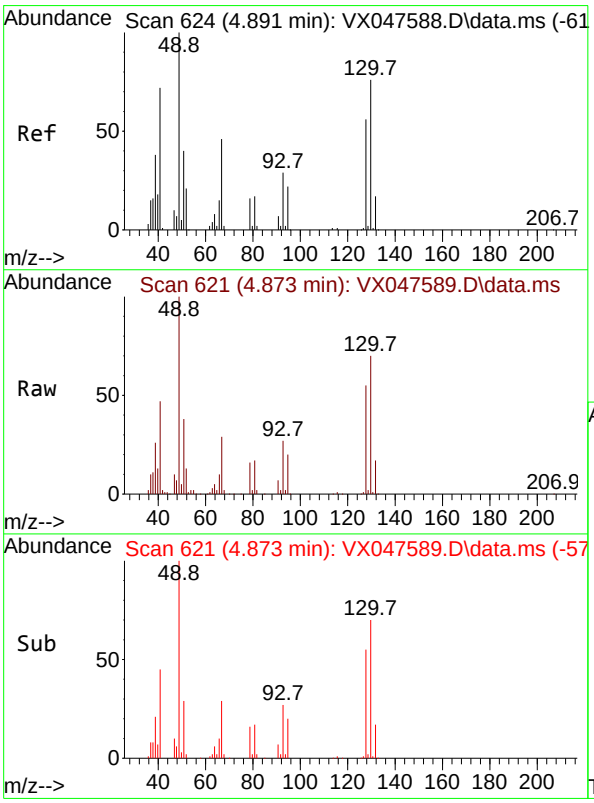
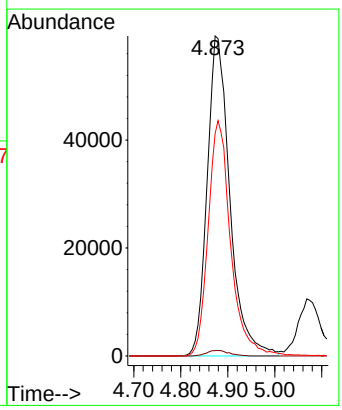
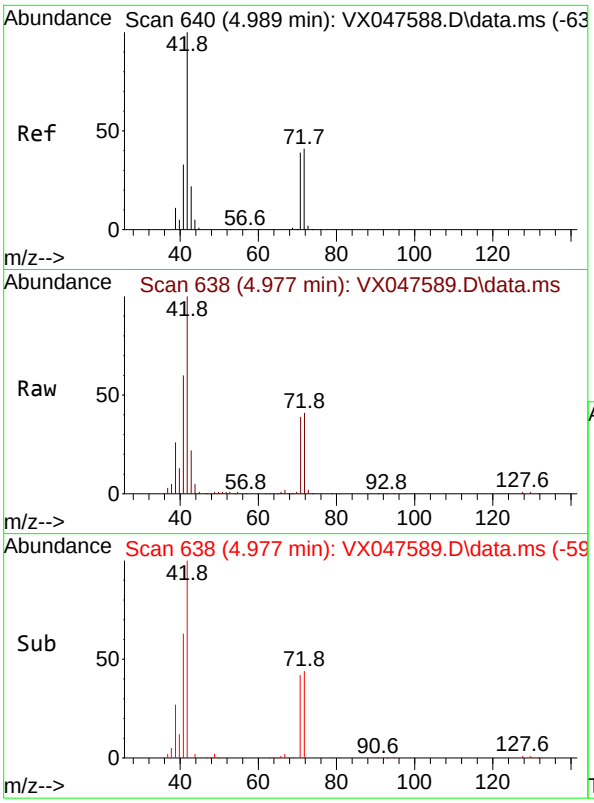


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8

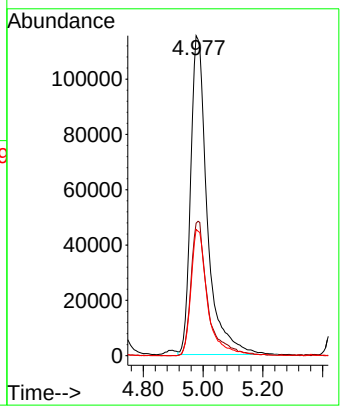




#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 42 Resp: 44353

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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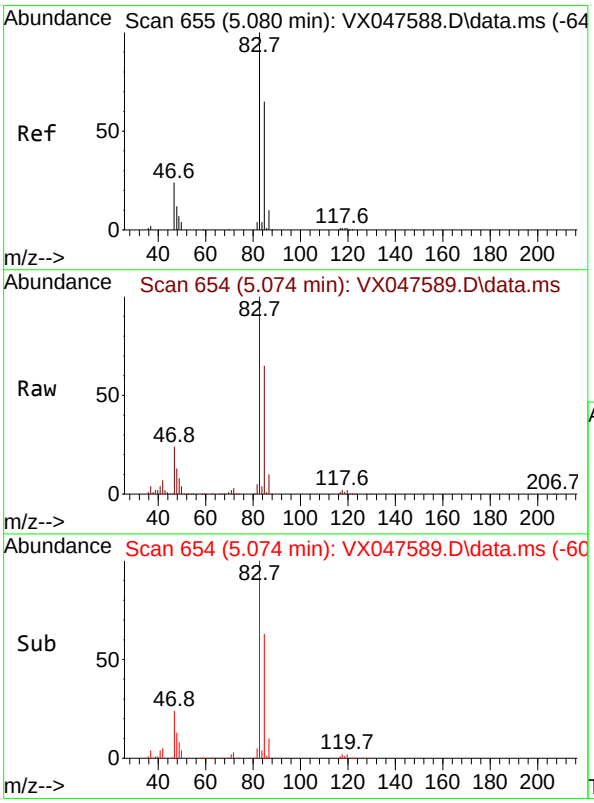
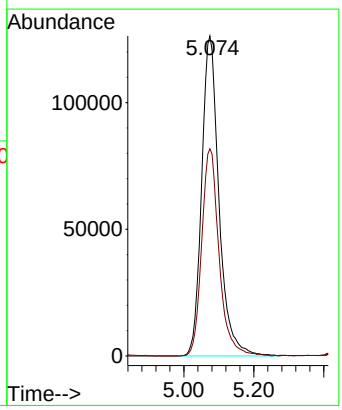
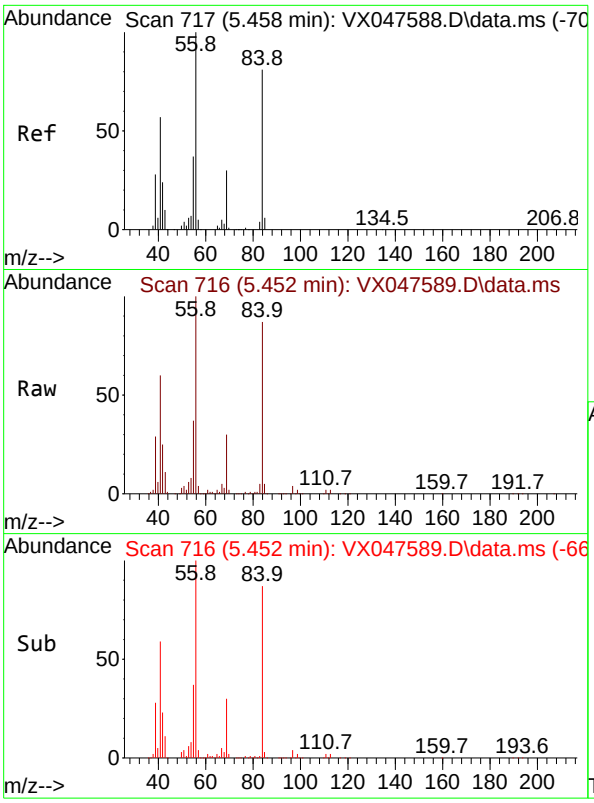


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

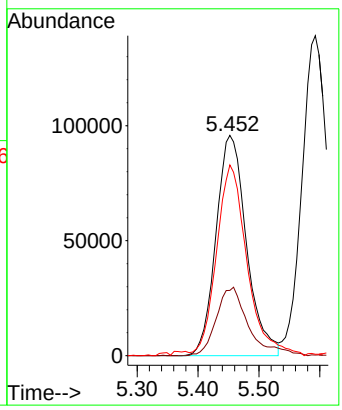




#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 33299

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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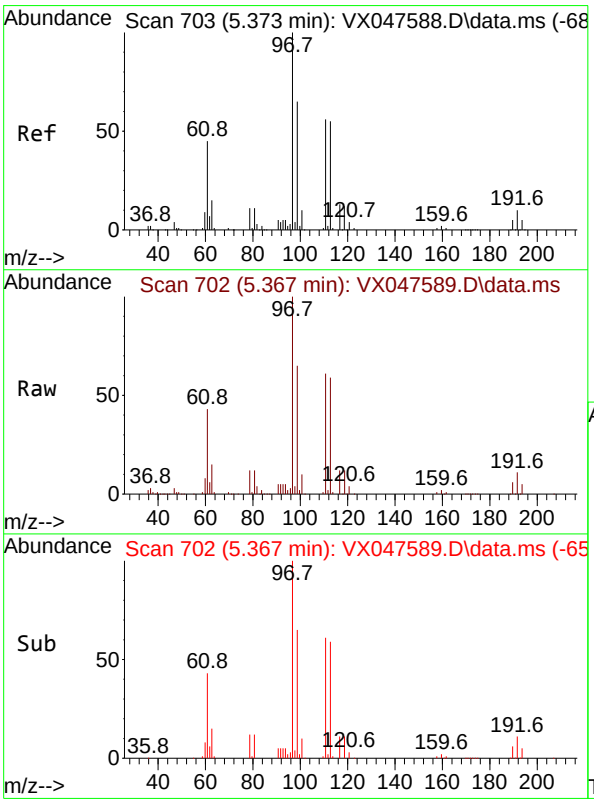
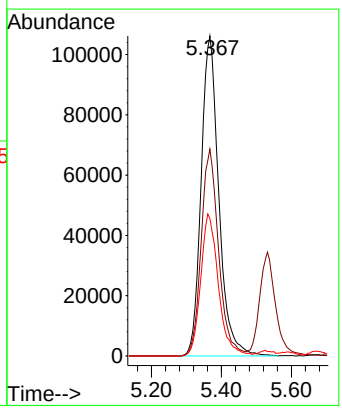
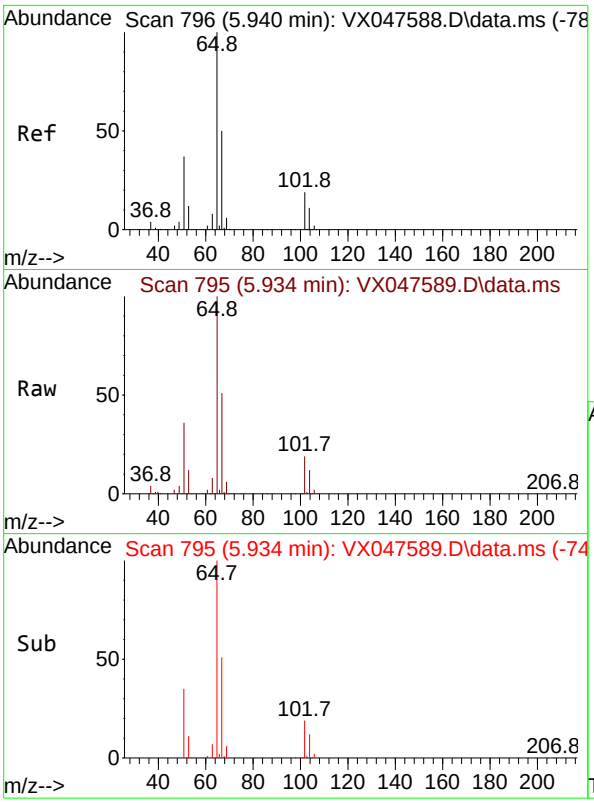


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8

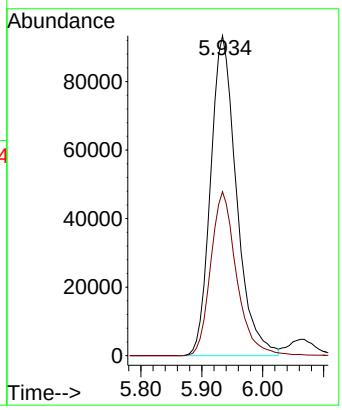




#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 65 Resp: 27575

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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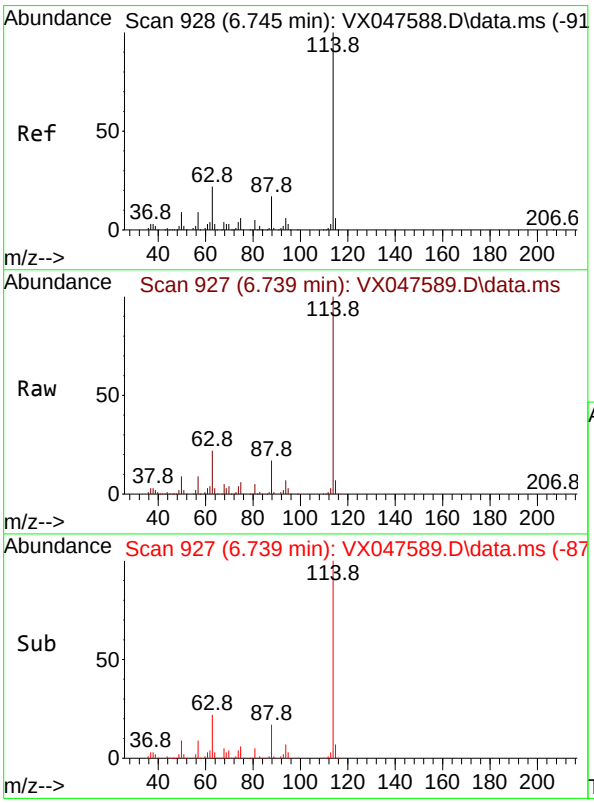
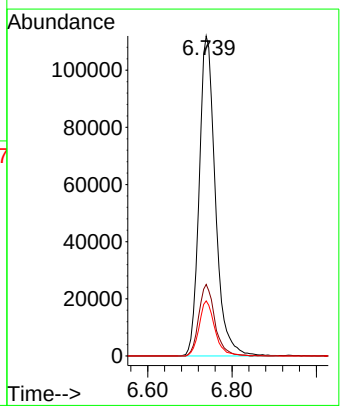
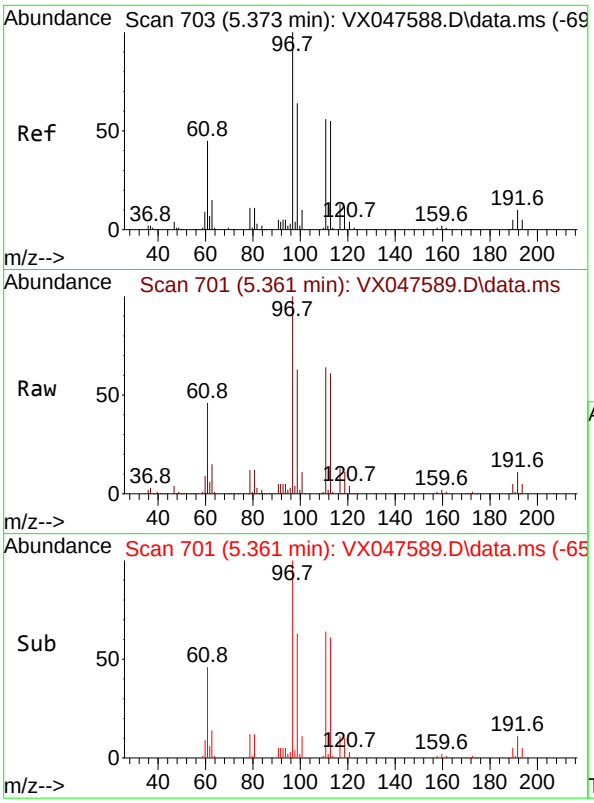


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2





#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:113 Resp: 21241

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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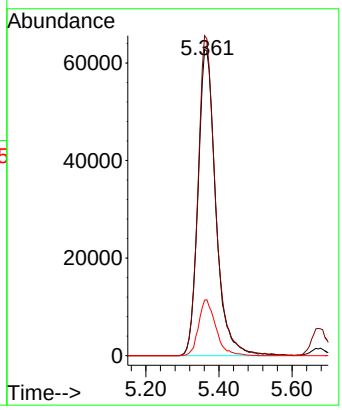
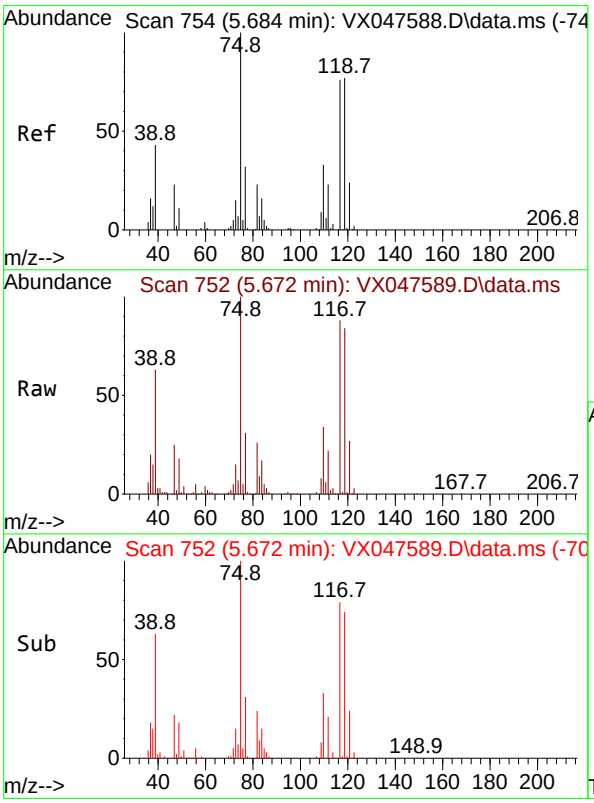
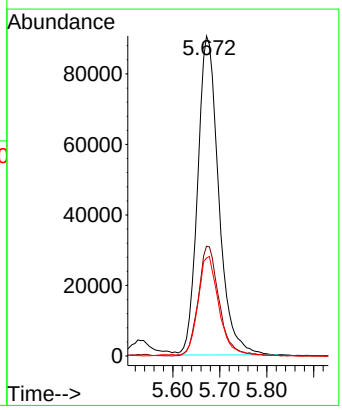


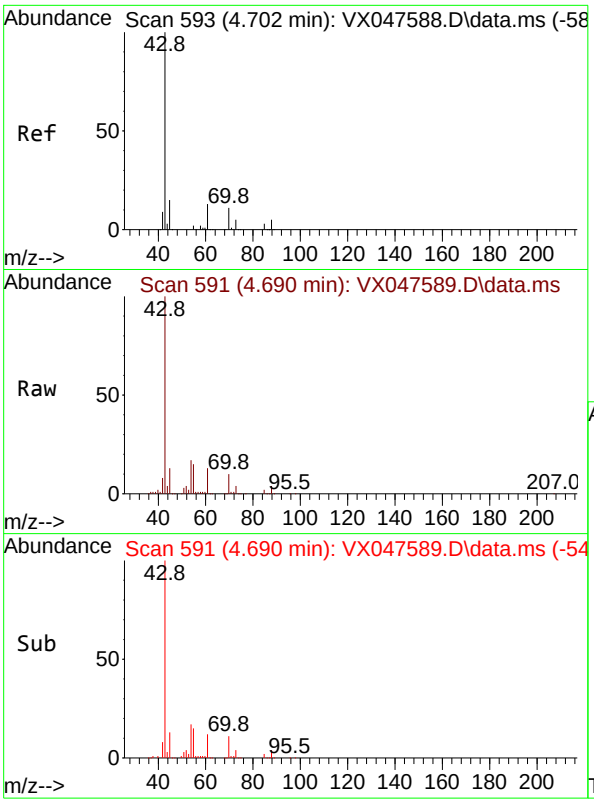


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5

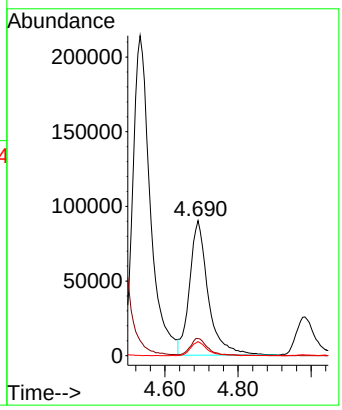




#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 31879

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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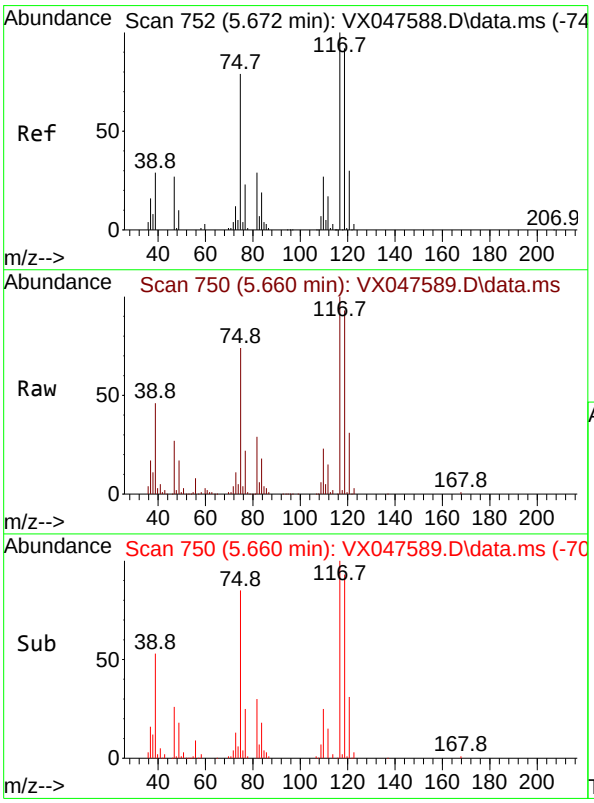
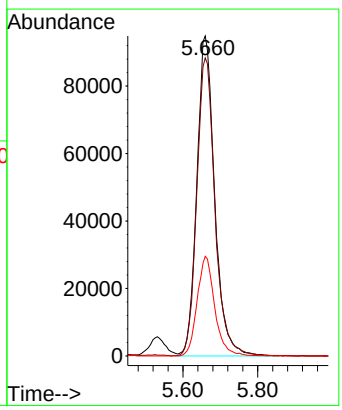
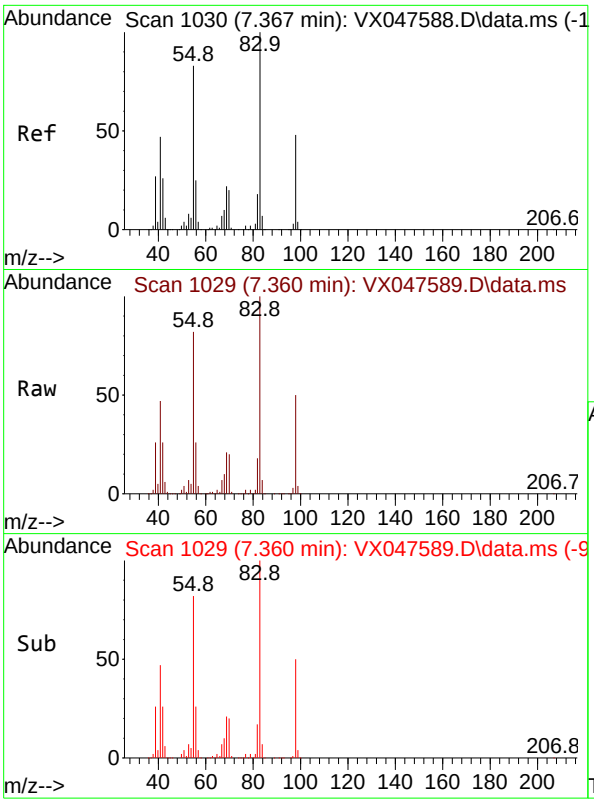


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6





#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 32785

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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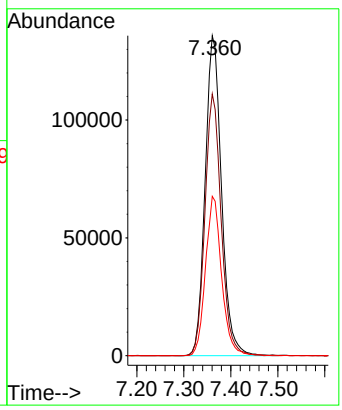
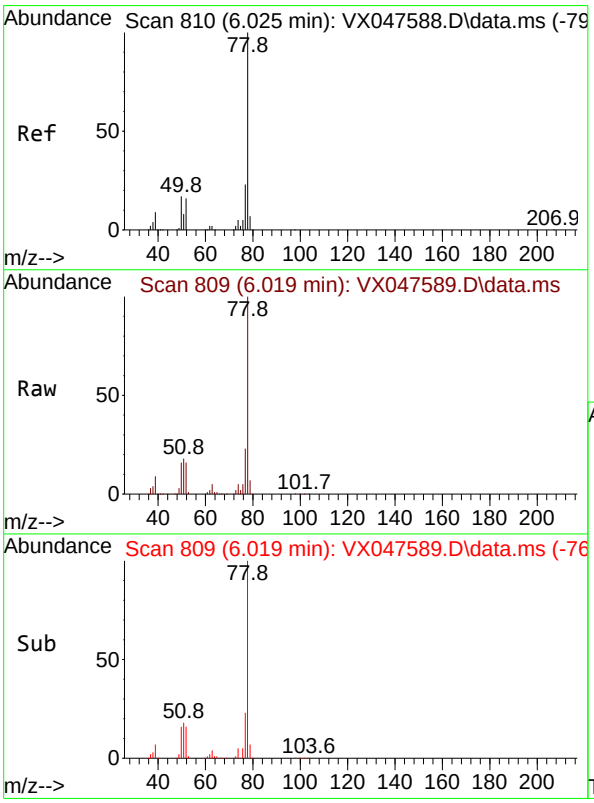
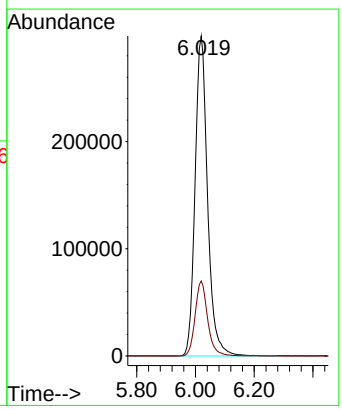


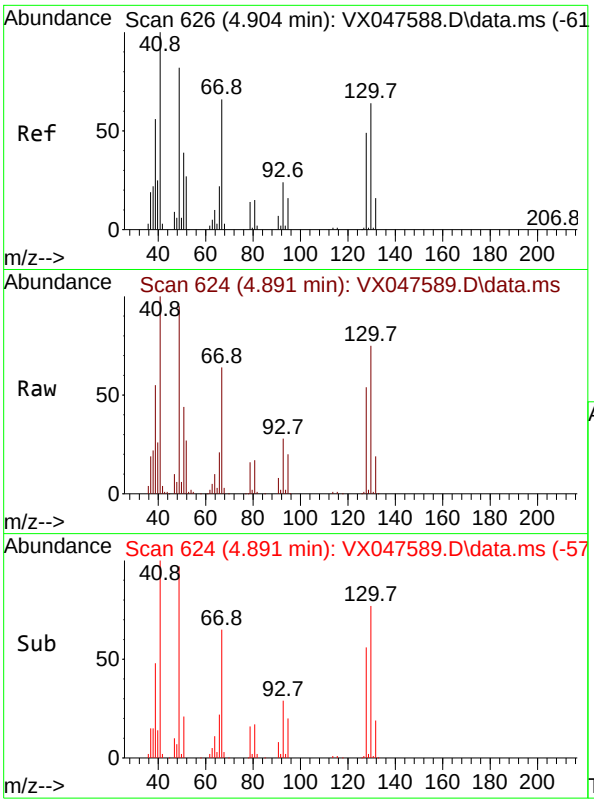


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

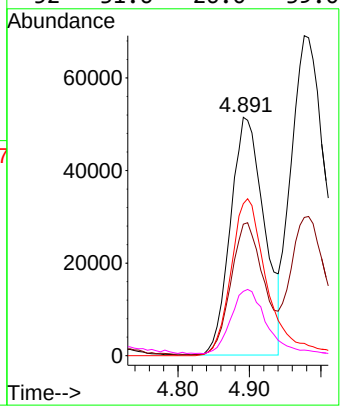




#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 16875

Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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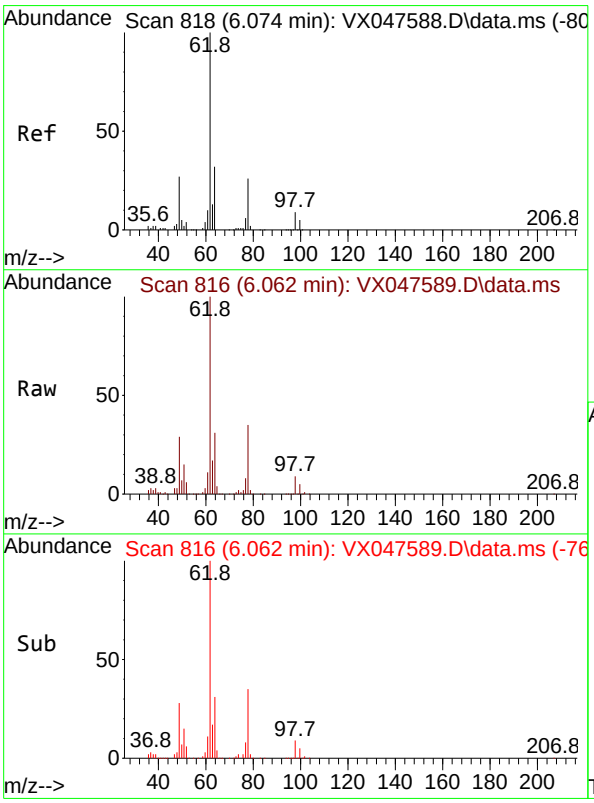
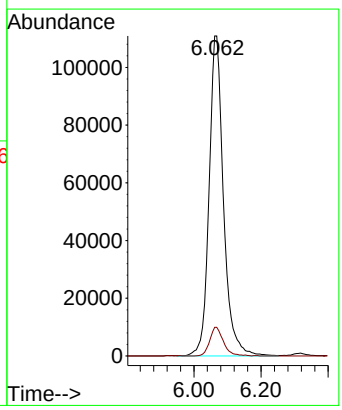
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

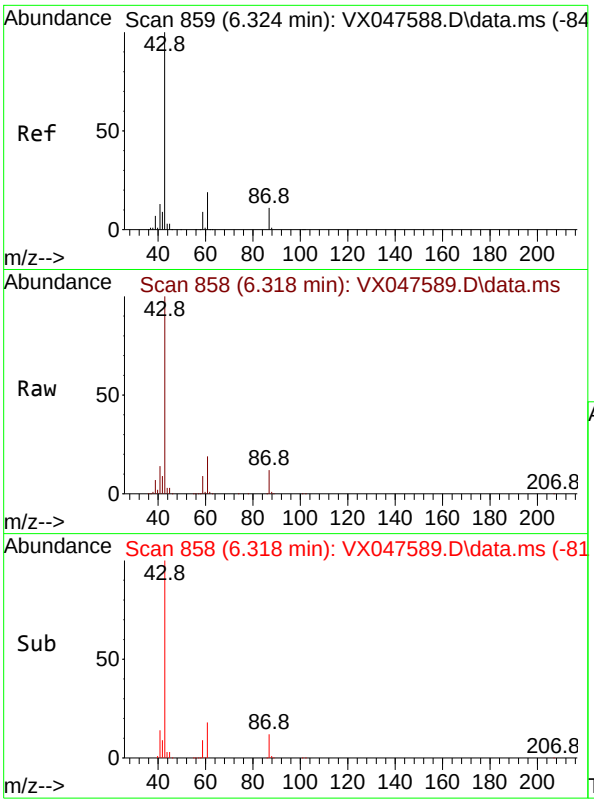


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 51687

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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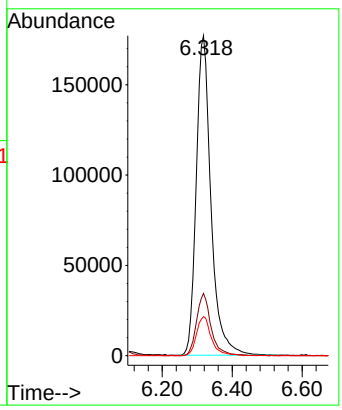
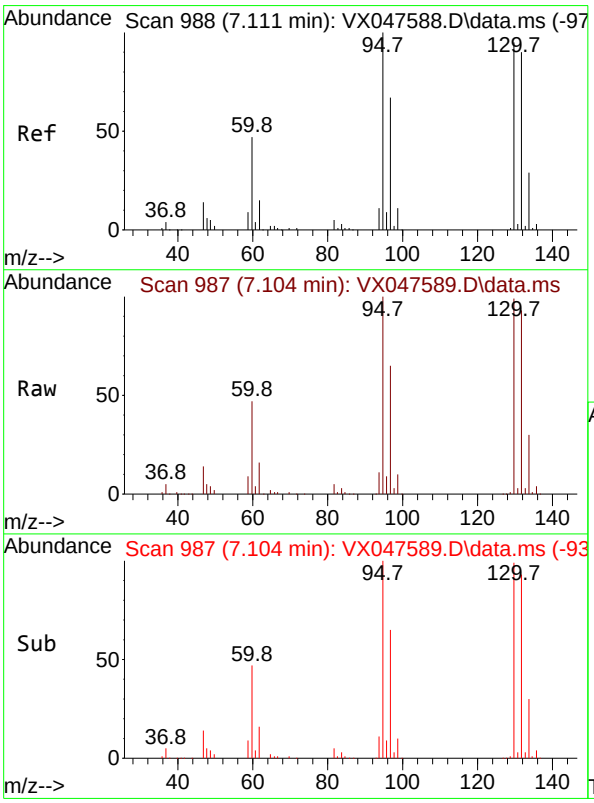
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

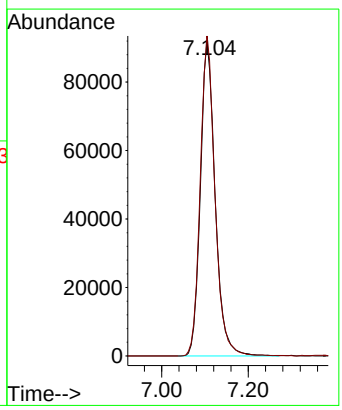


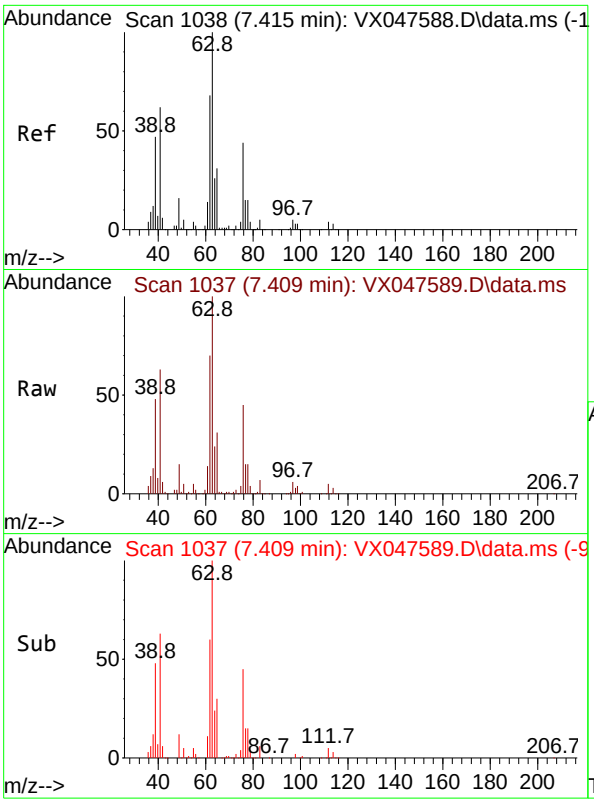


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8

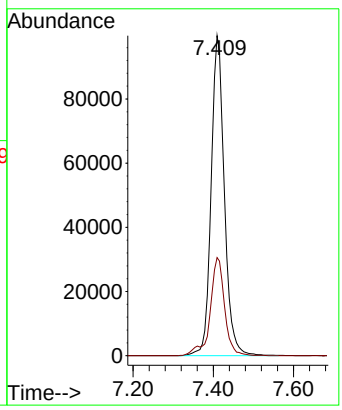




#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 22815

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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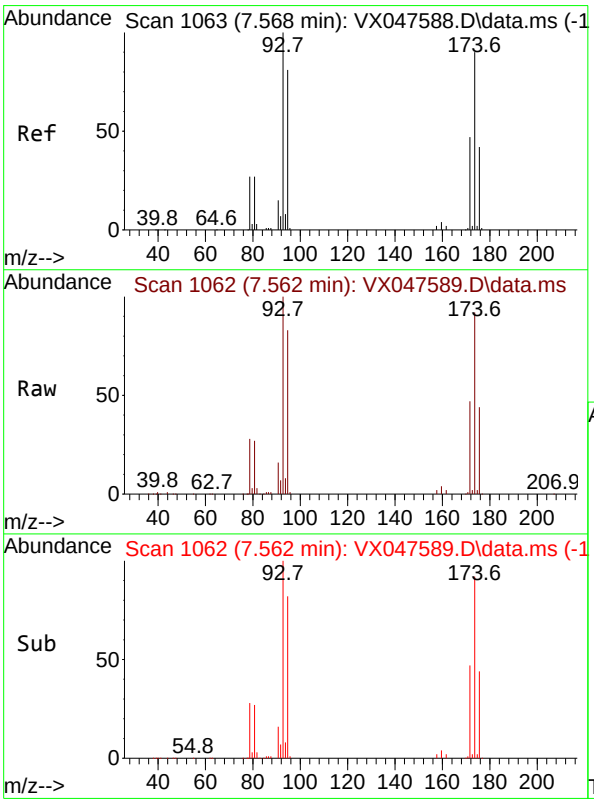
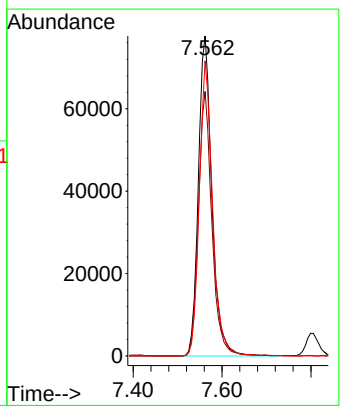
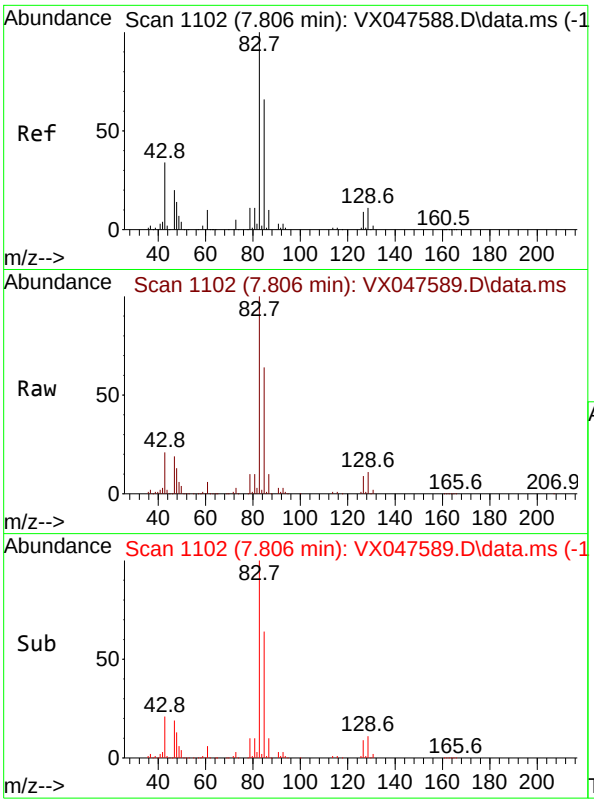


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4

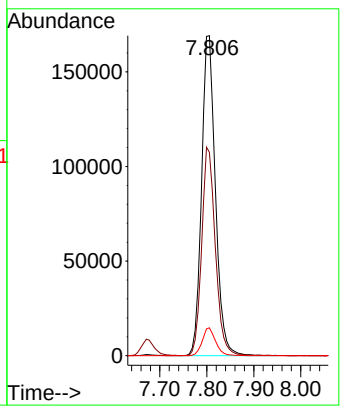




#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 34599

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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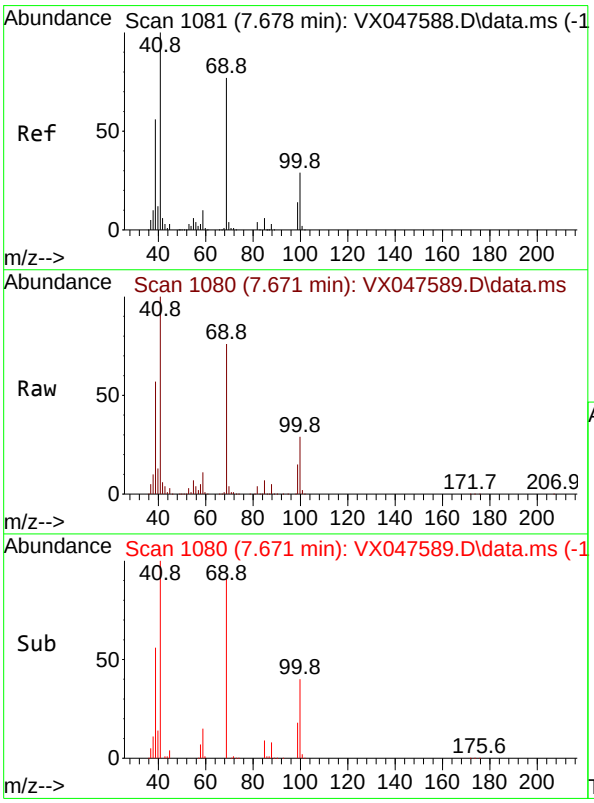
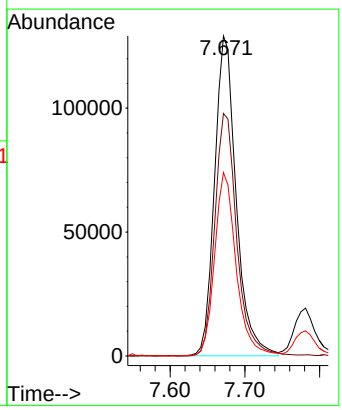
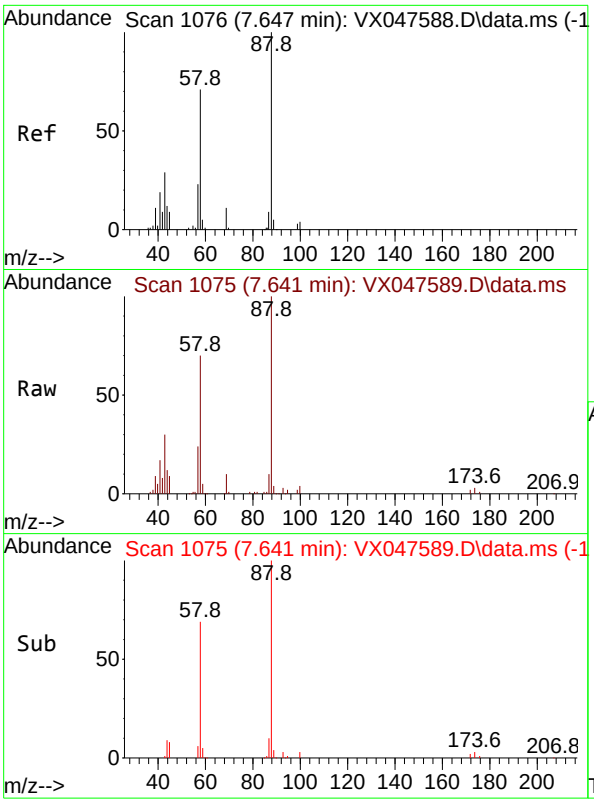


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6

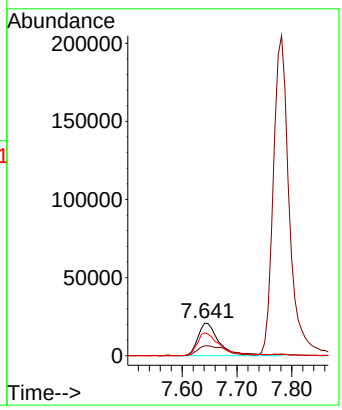




#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 88 Resp: 5671

Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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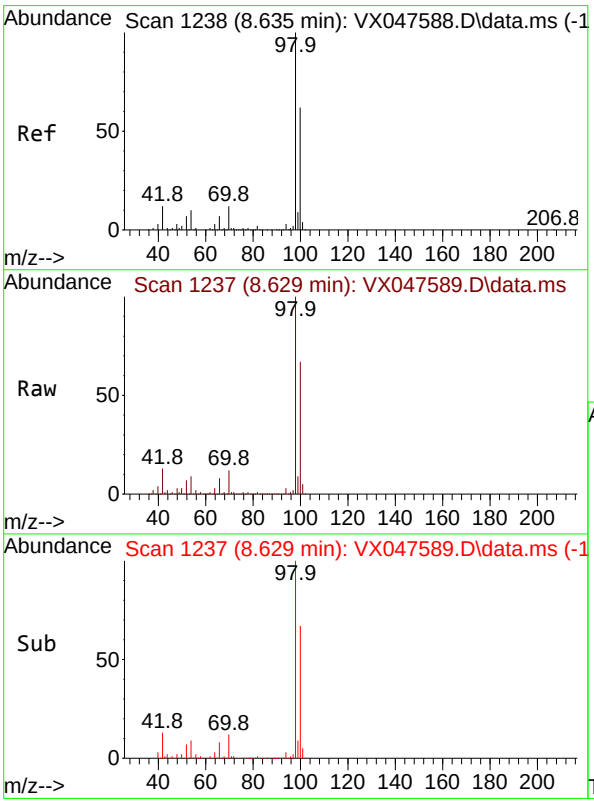
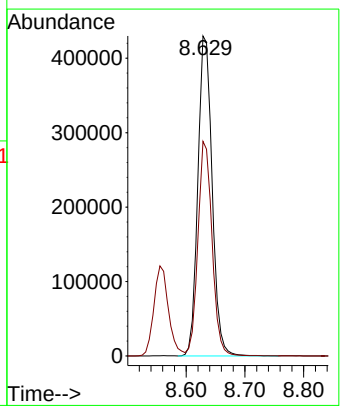
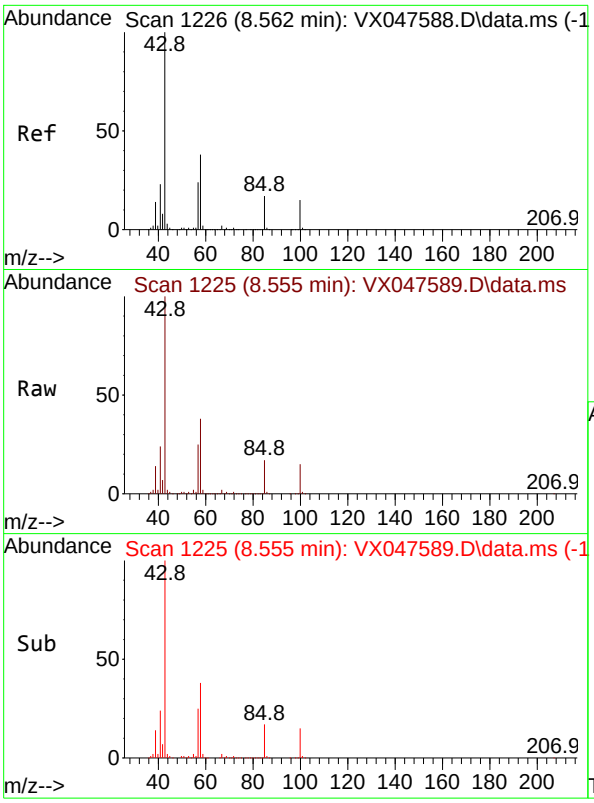


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

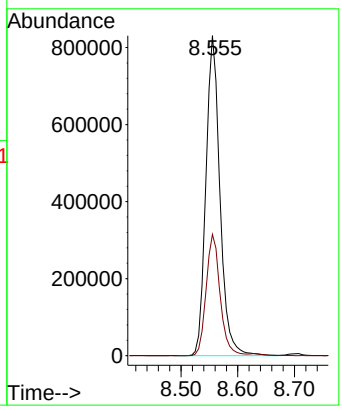




#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 143125

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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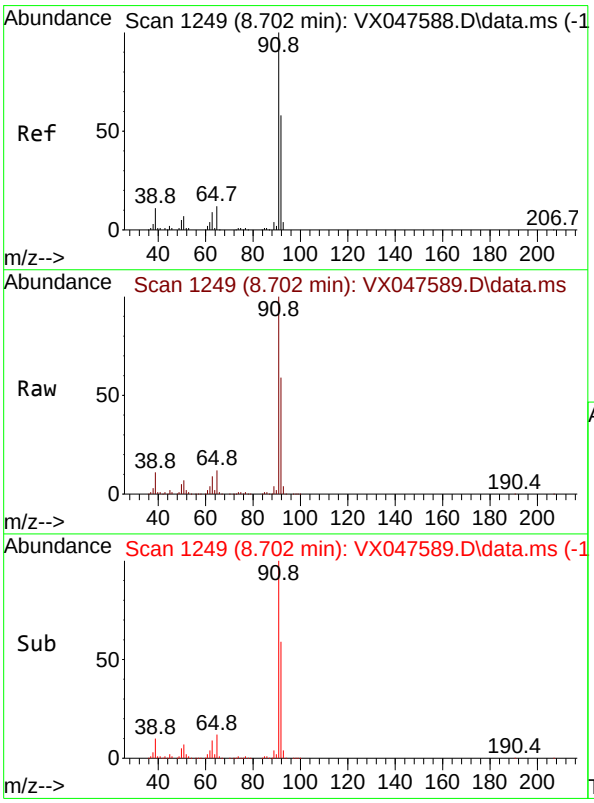
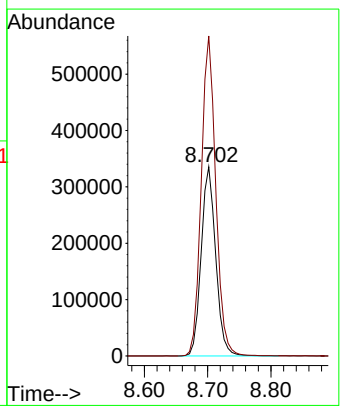
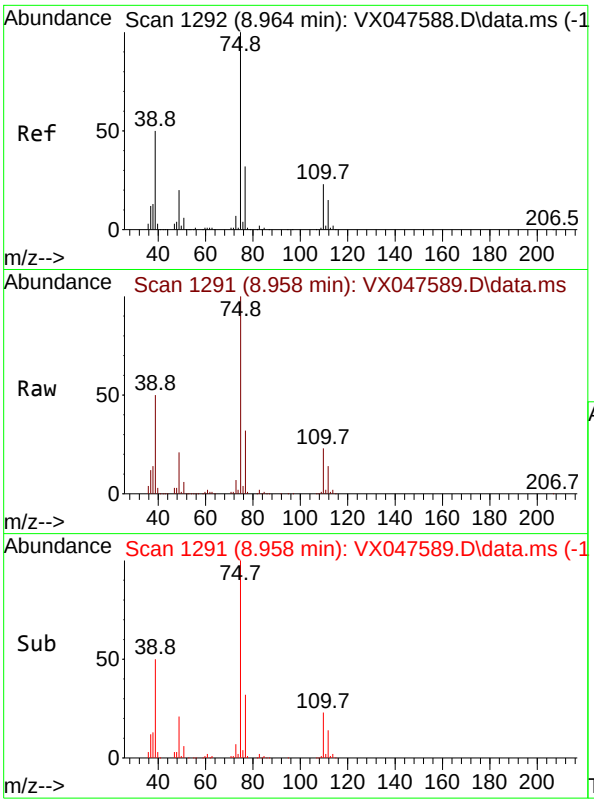


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7

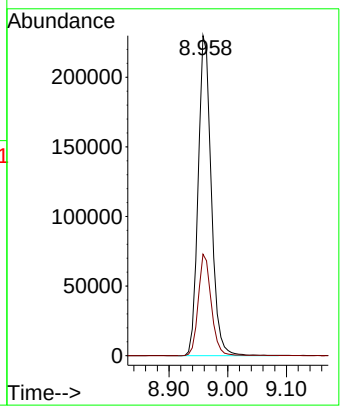




#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 35588

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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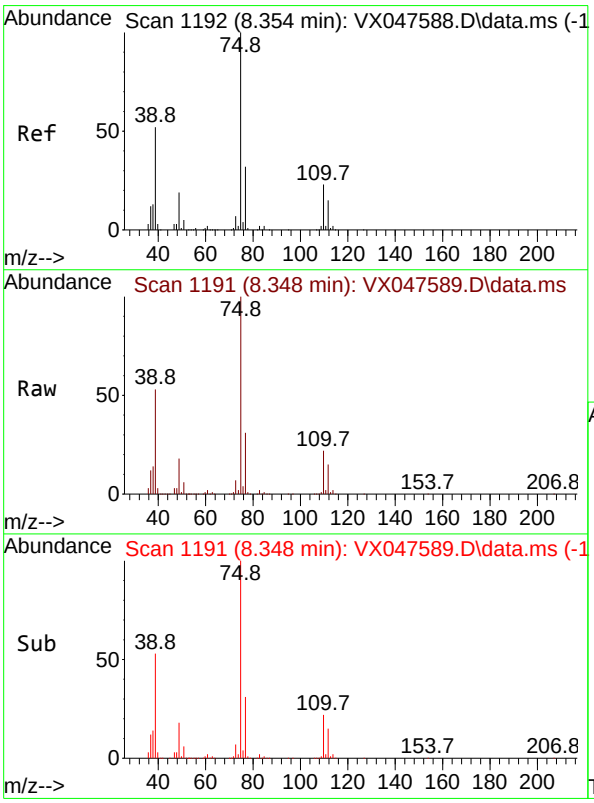
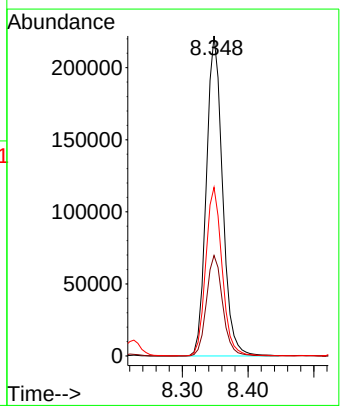
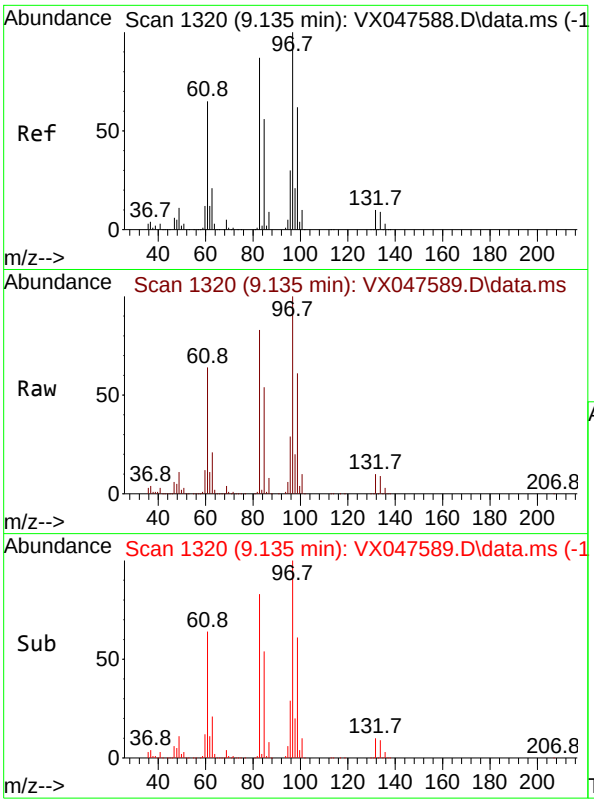


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2

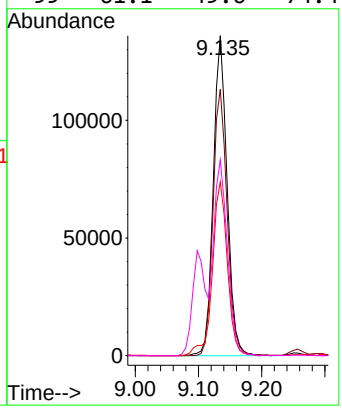




#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 20593

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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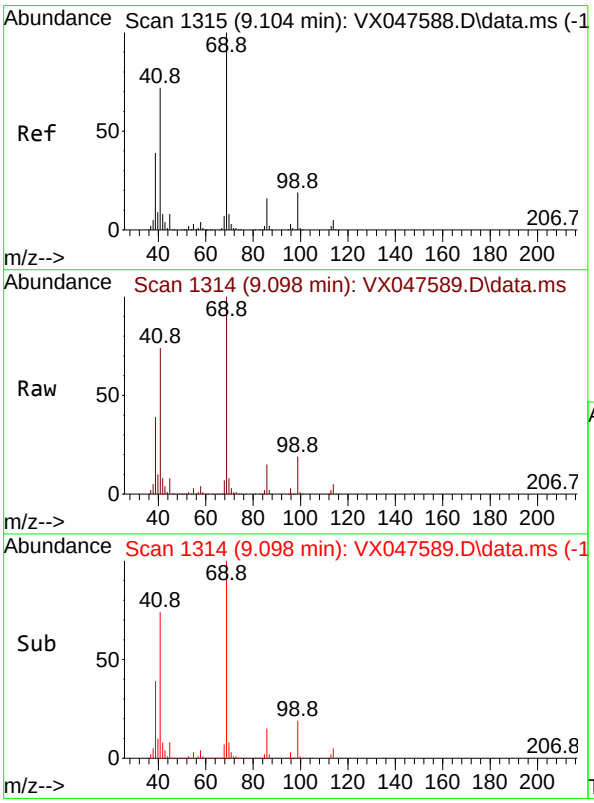
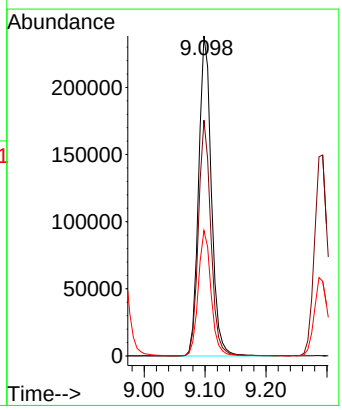
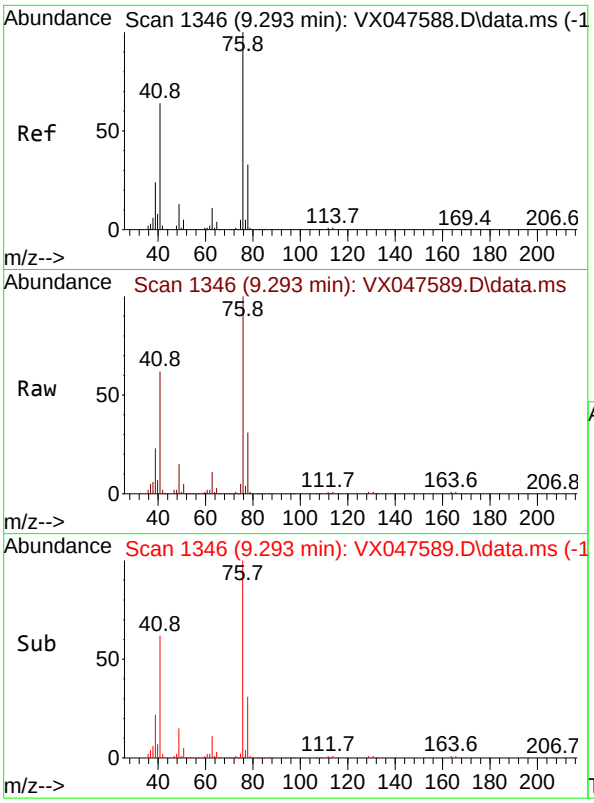


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

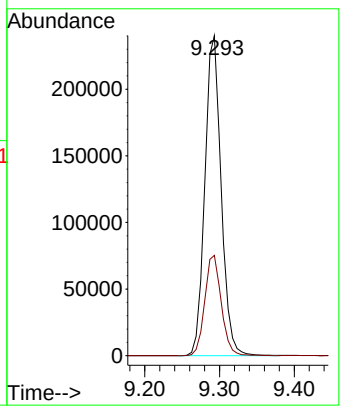




#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 36284

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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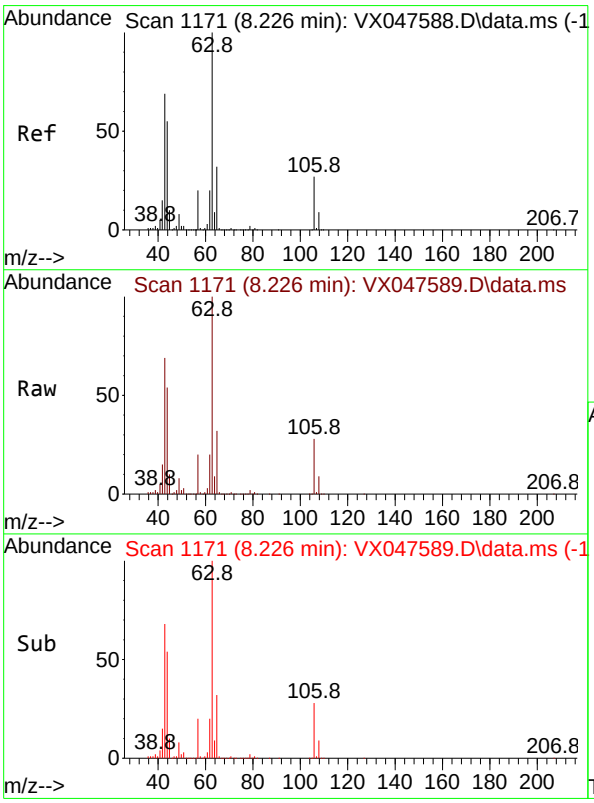
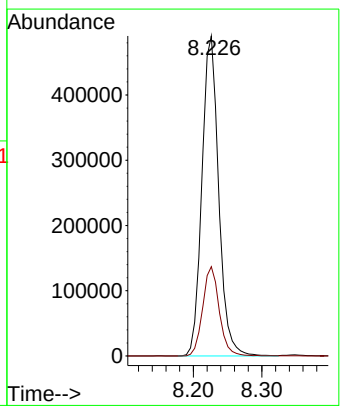
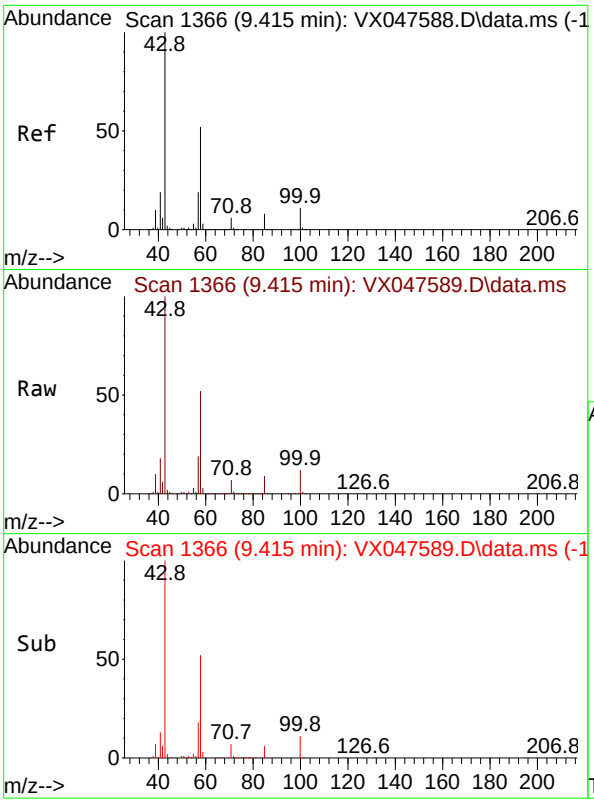


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 99627

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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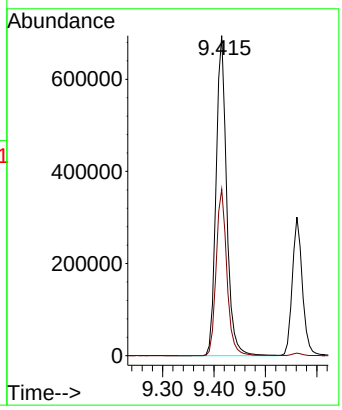
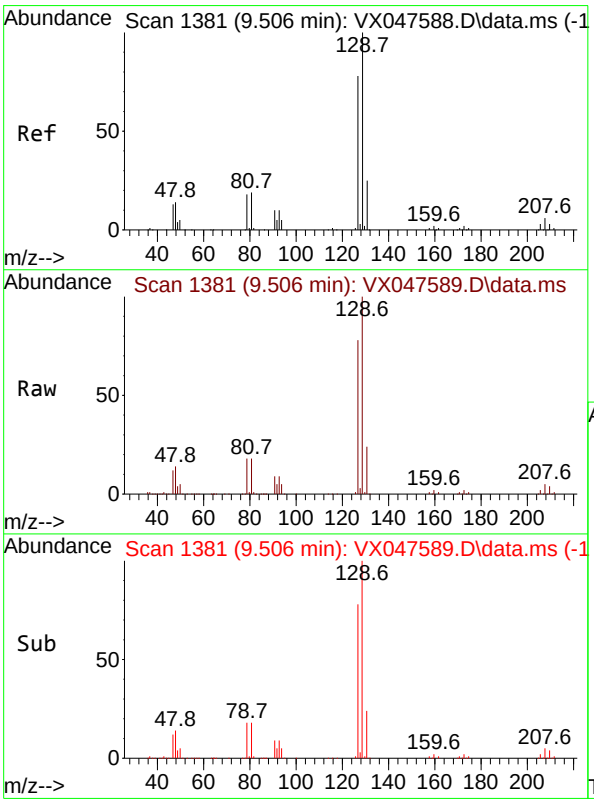
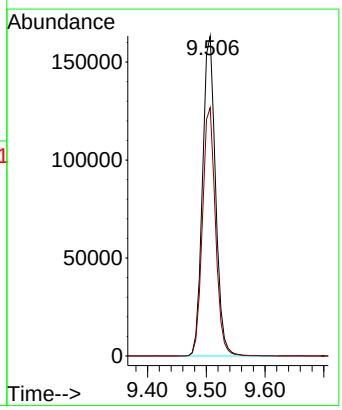


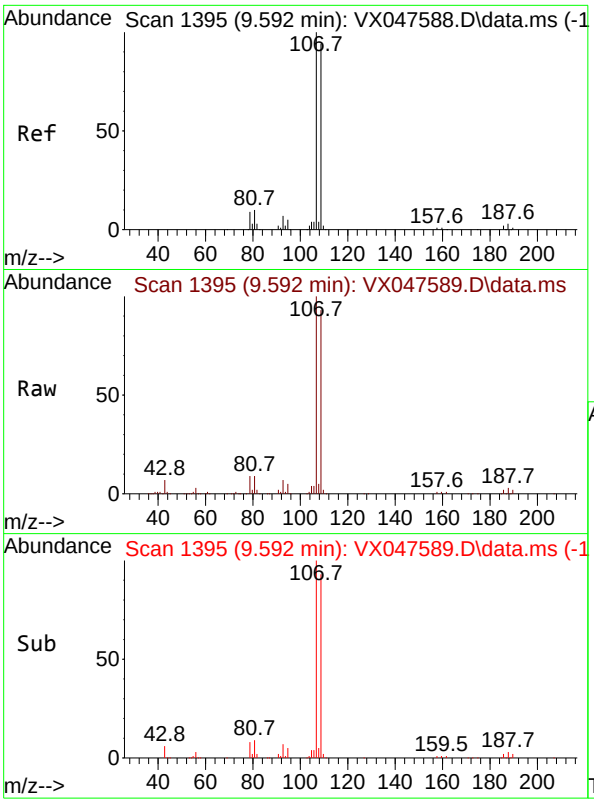


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2

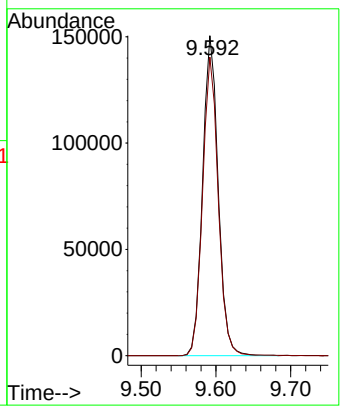




#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:107 Resp: 21775

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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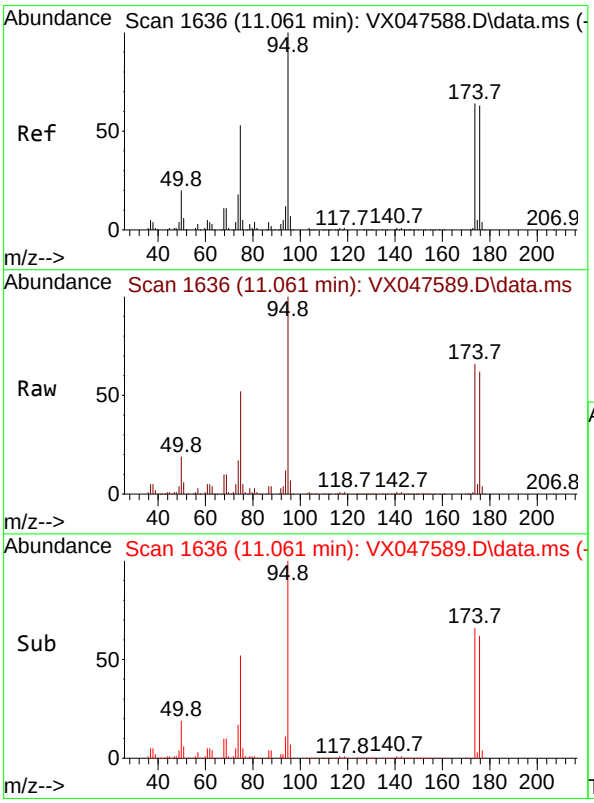
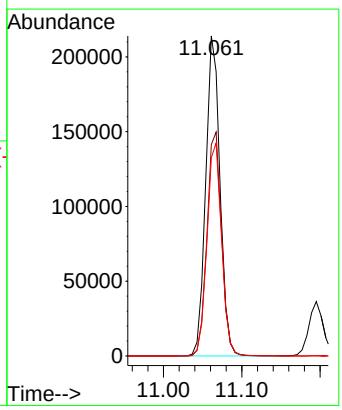
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

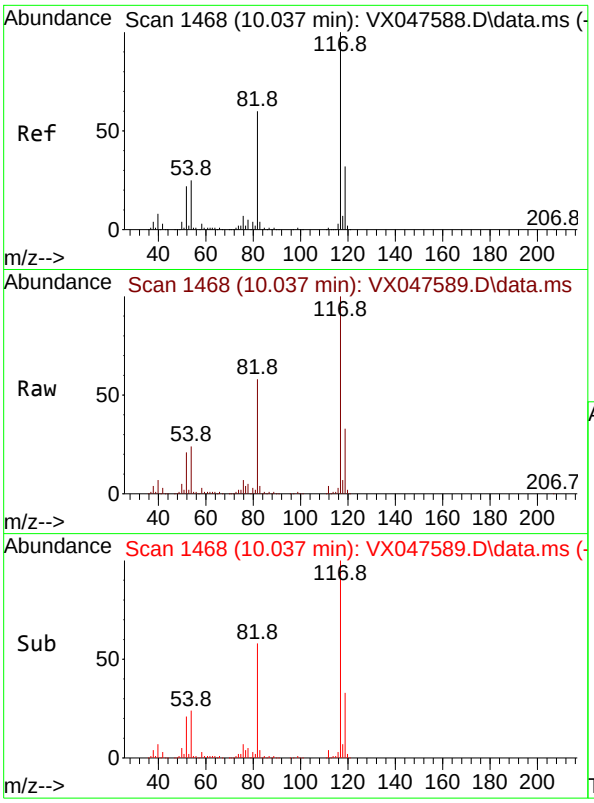


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 25839

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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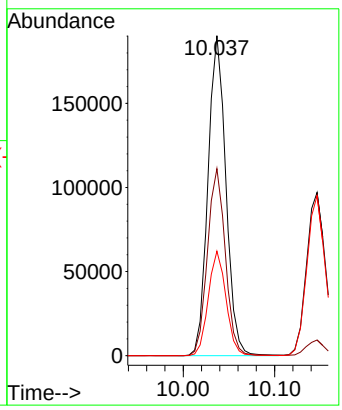
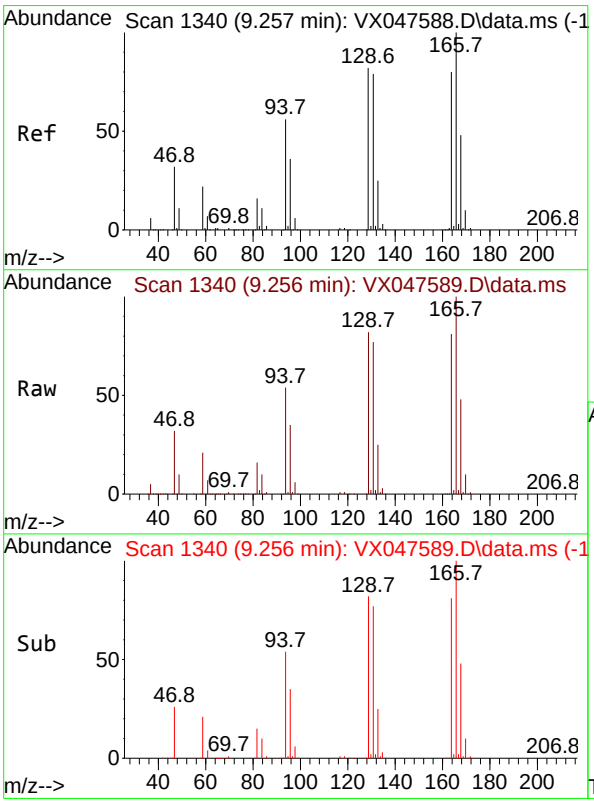
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

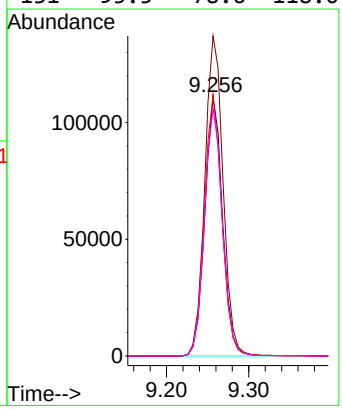


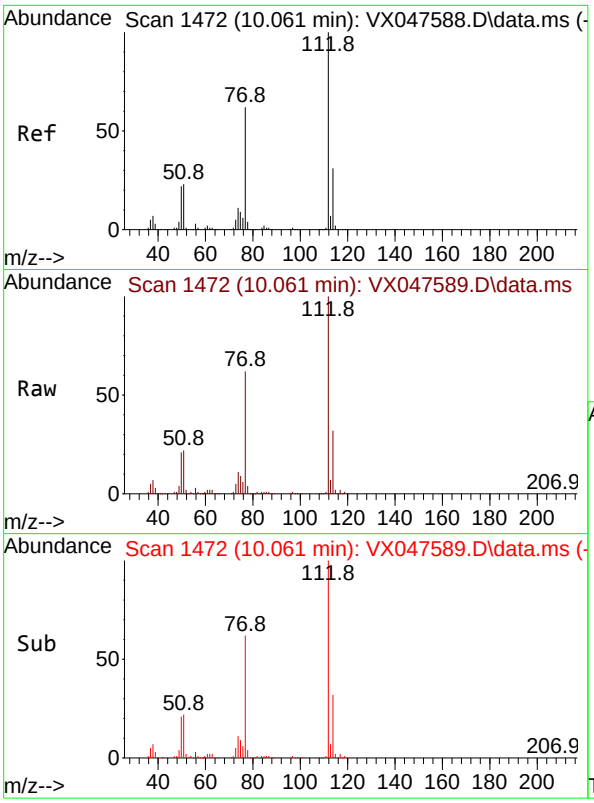


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0





#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:112 Resp: 58851

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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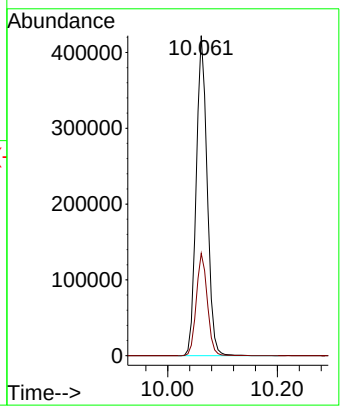
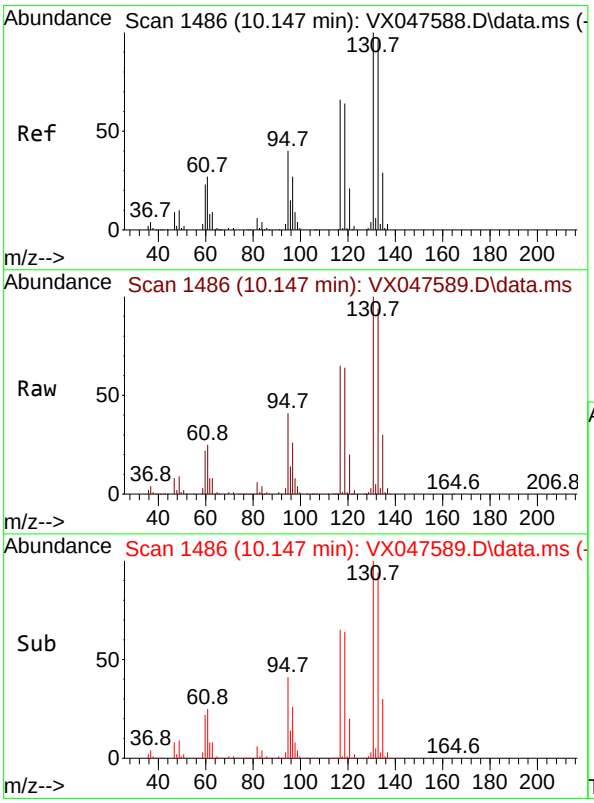
Supervised By :Mahesh Dadoda 09/18/2025

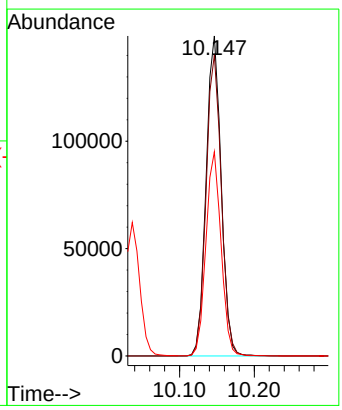


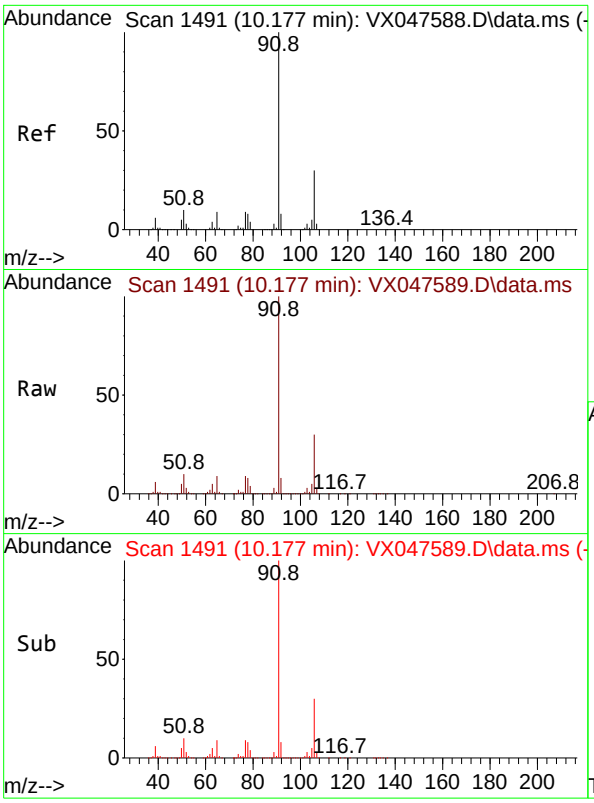


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0





#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 103134

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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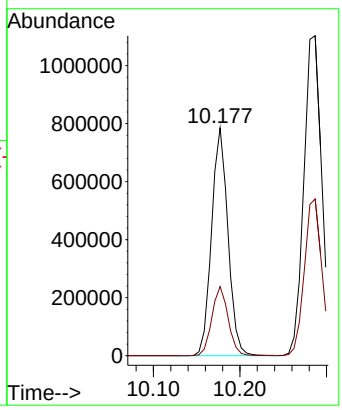
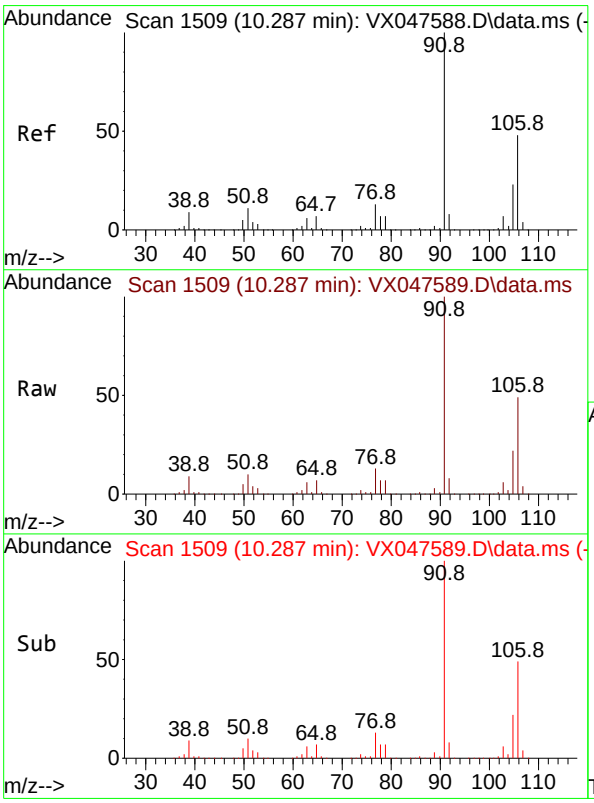
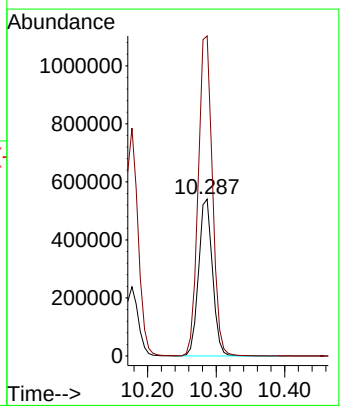


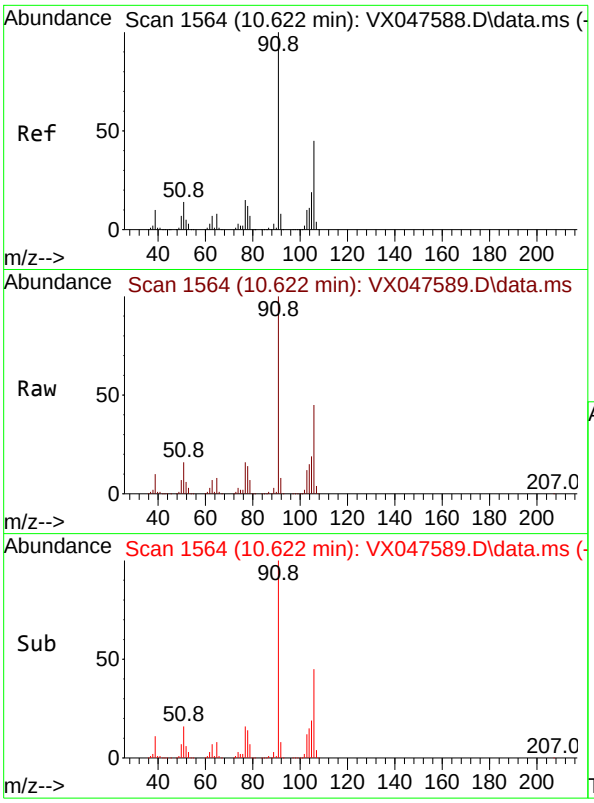


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8





#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 37262

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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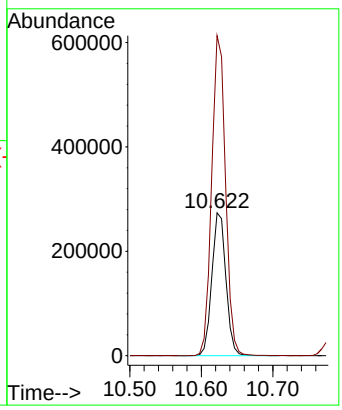
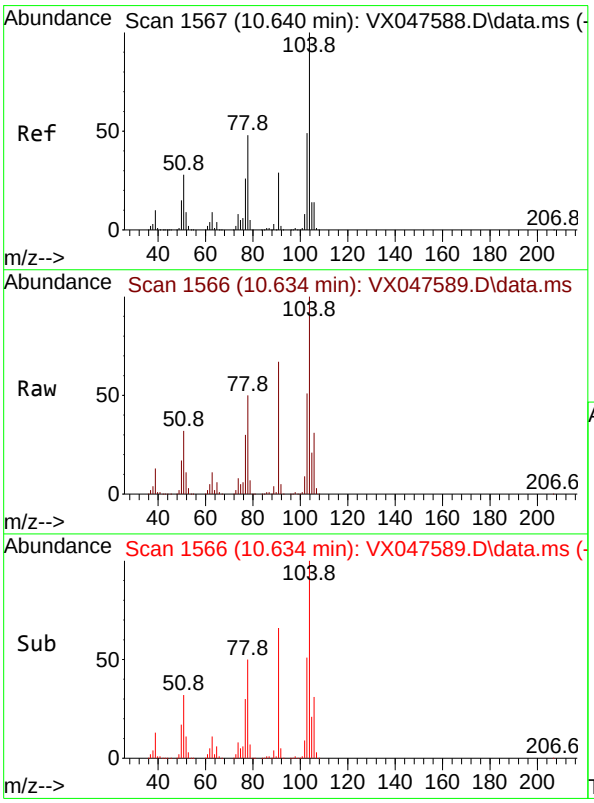
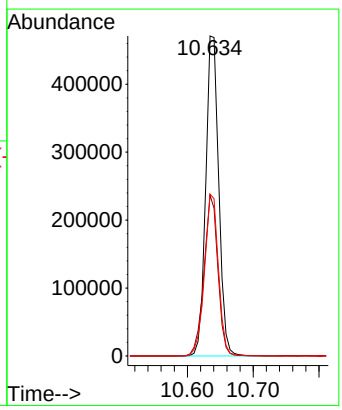


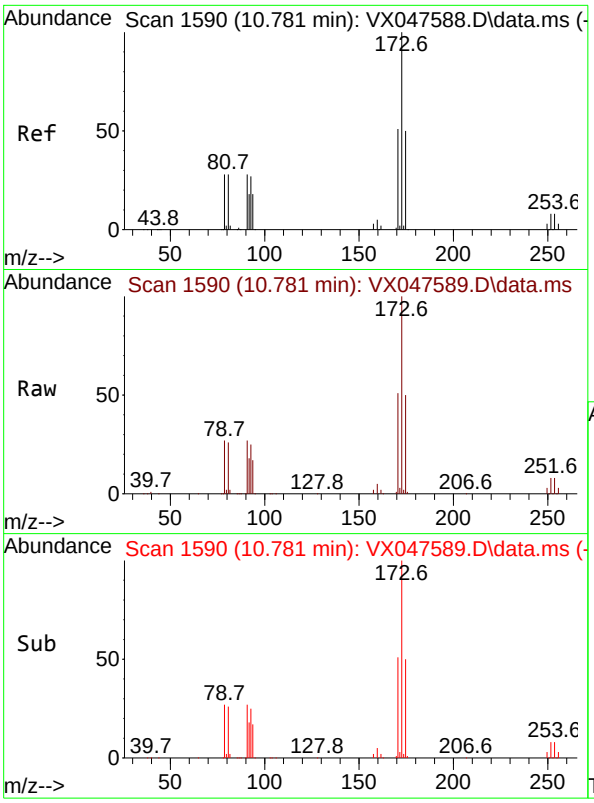


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7

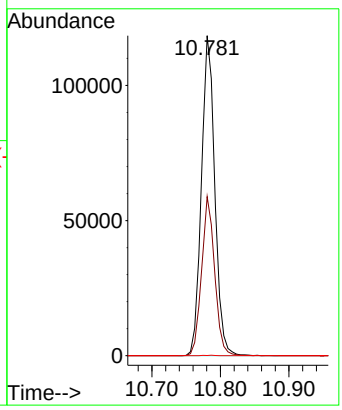




#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:173 Resp: 16118

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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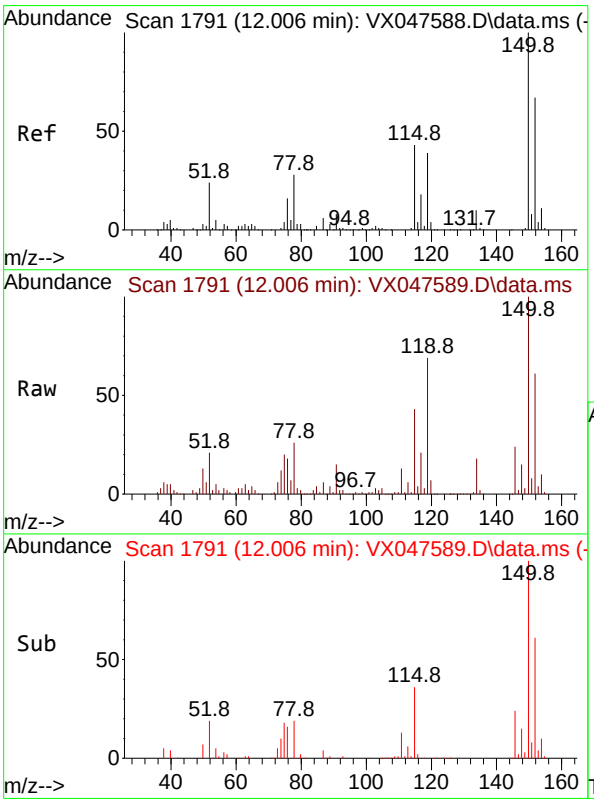
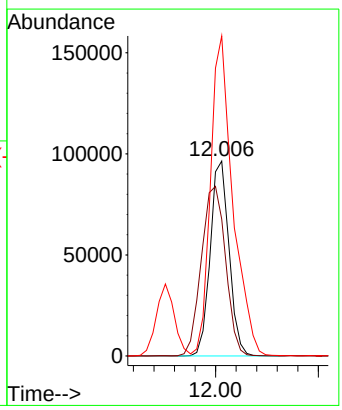
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

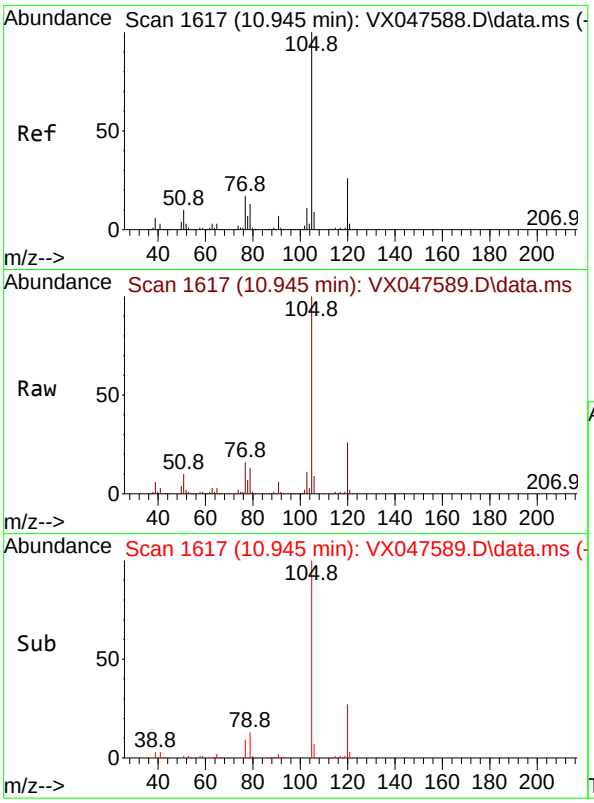


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0

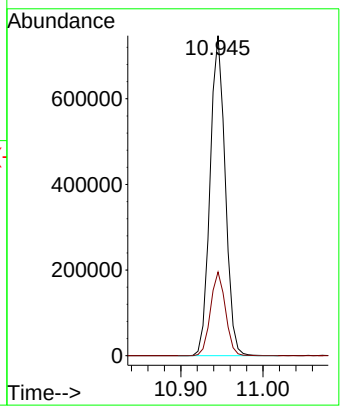




#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 95490

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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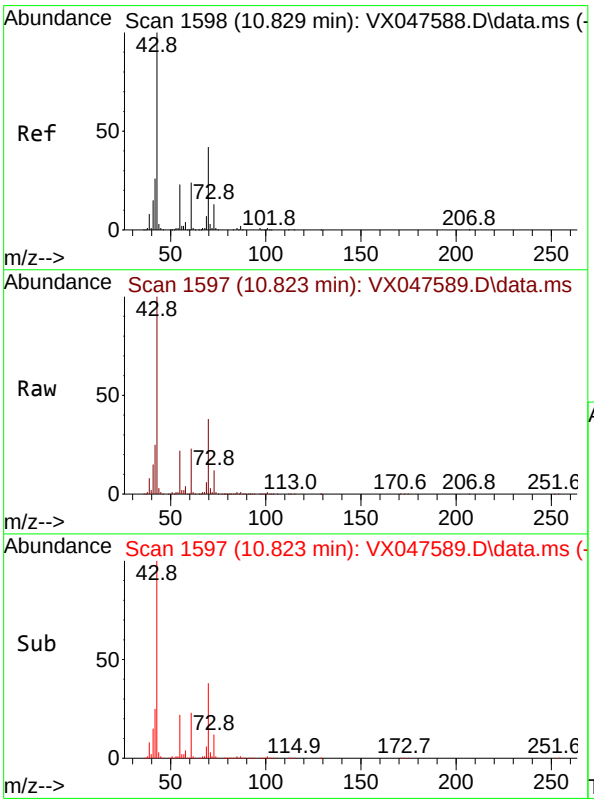
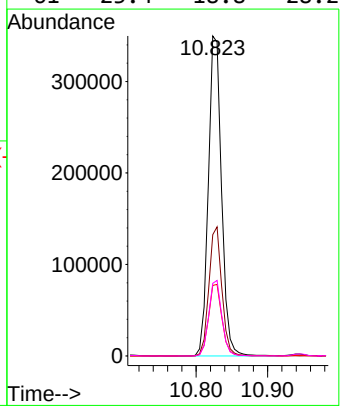
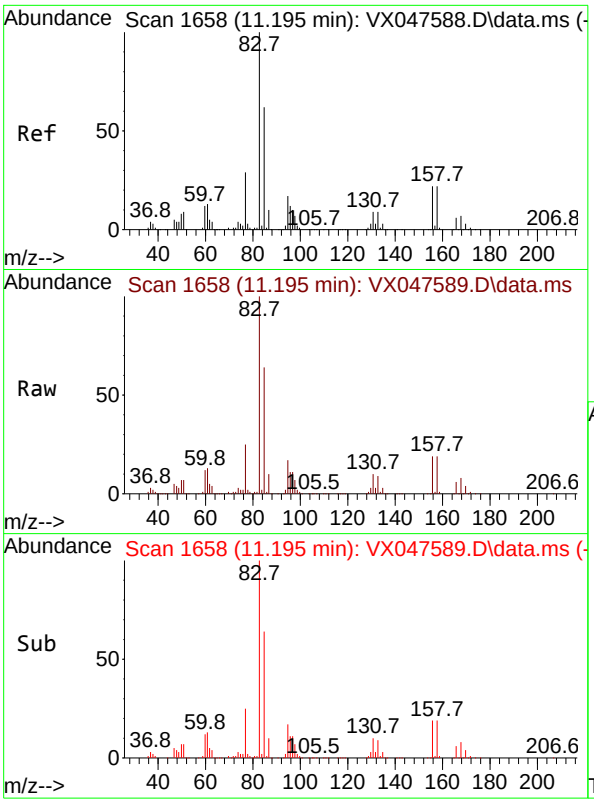


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 28160

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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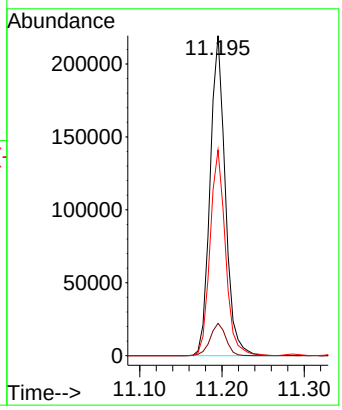
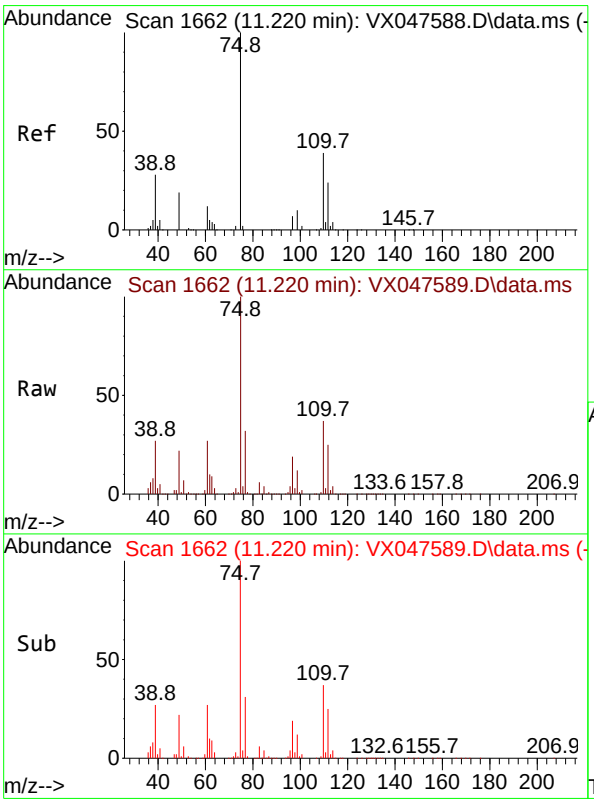
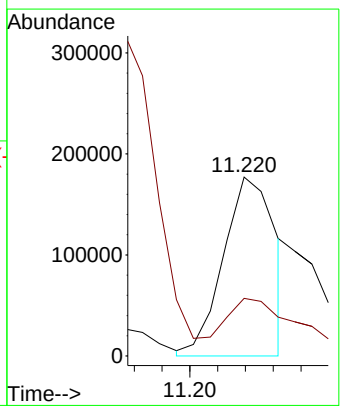


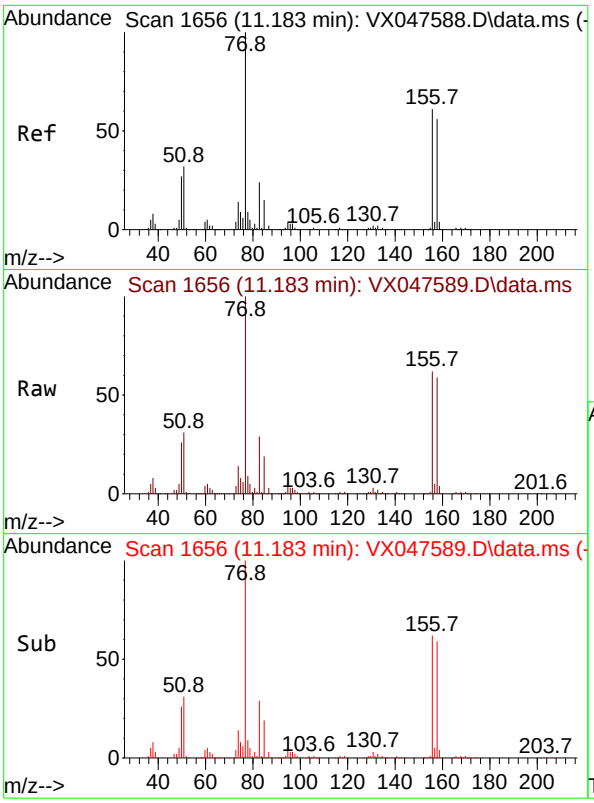


#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 229521

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4





#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:156 Resp: 23466

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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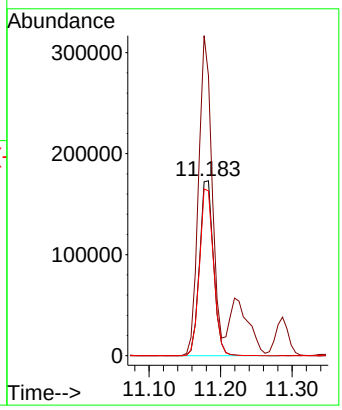
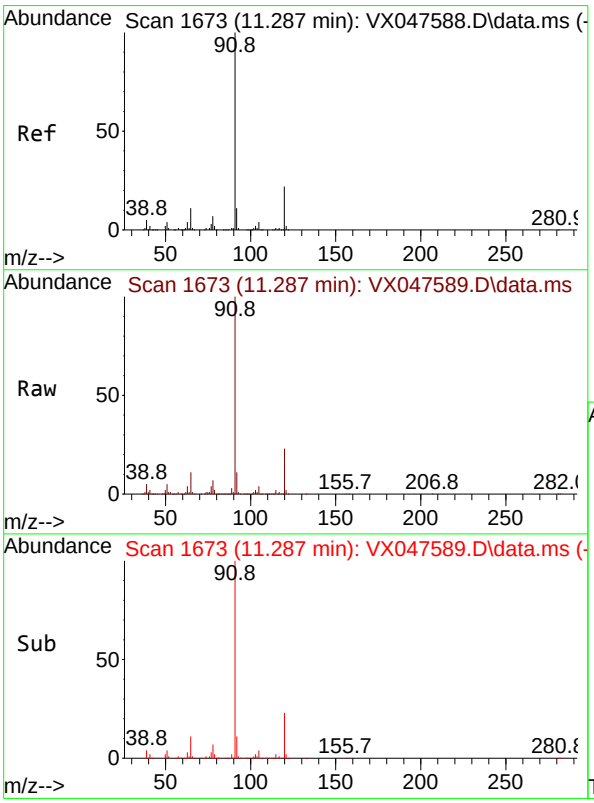
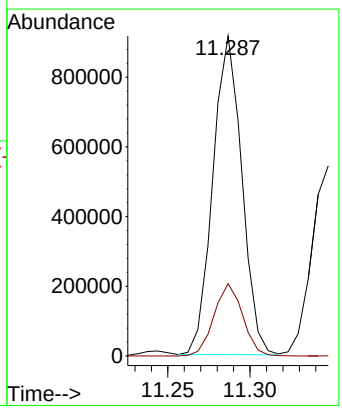


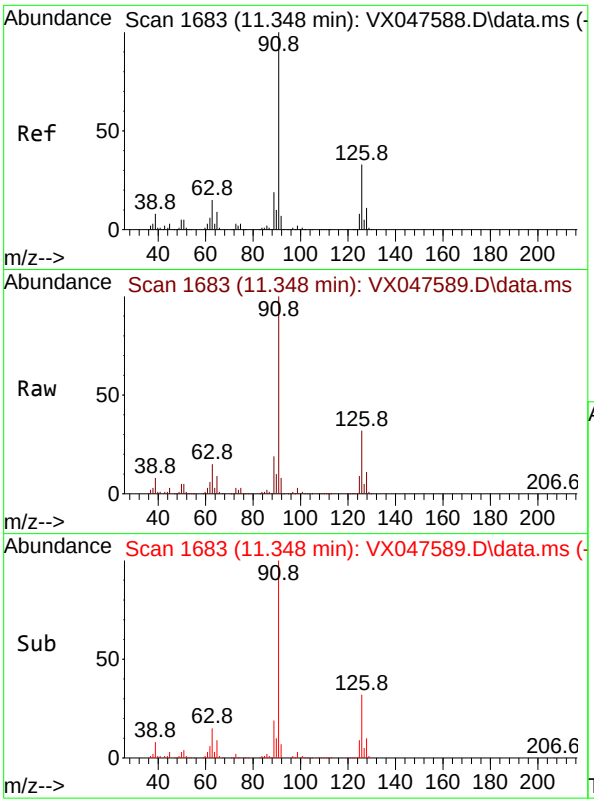


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

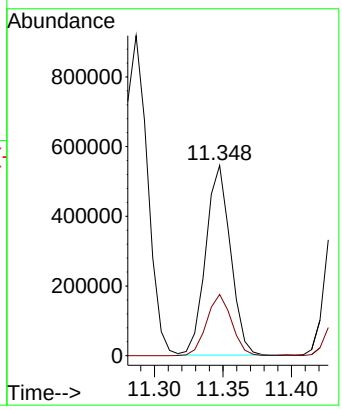




#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 68386

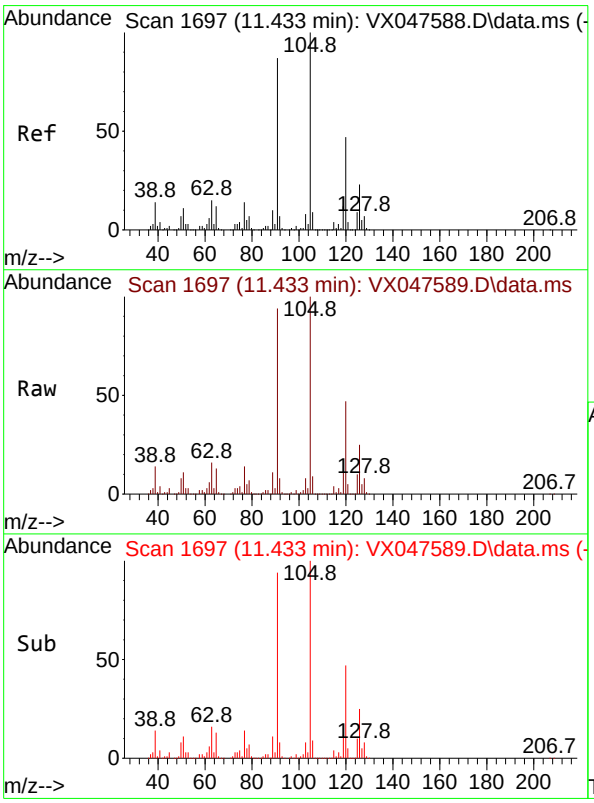
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

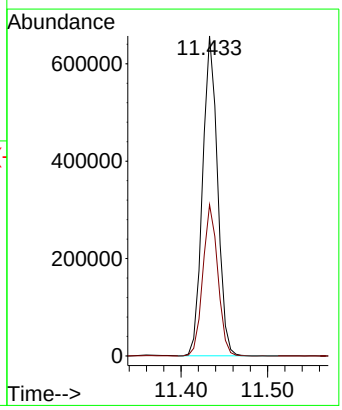
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

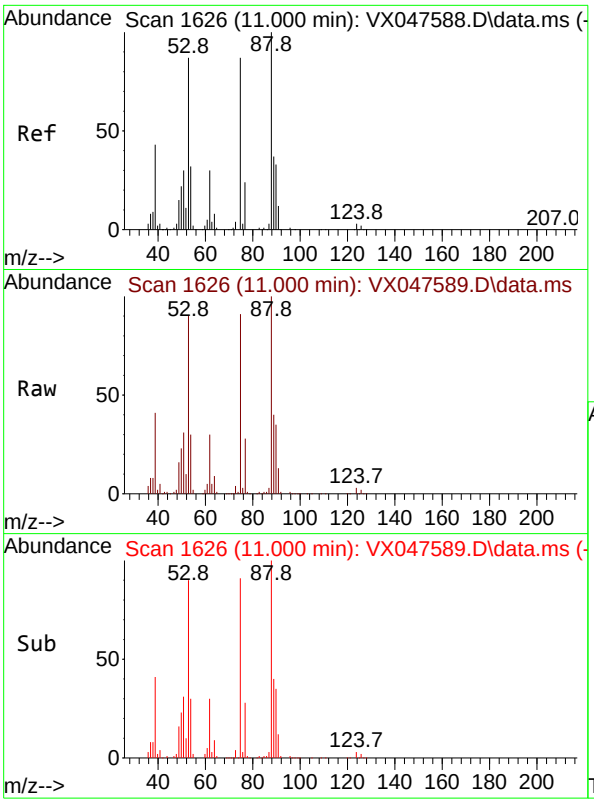


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

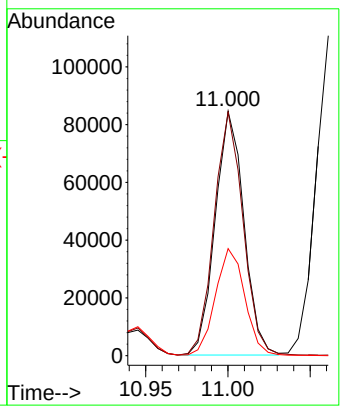
Tgt Ion: 75 Resp: 10255

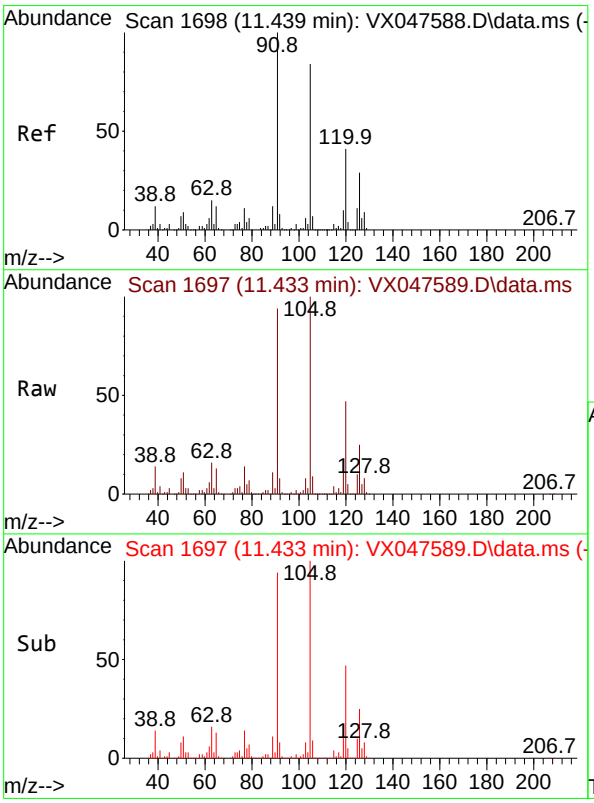
Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

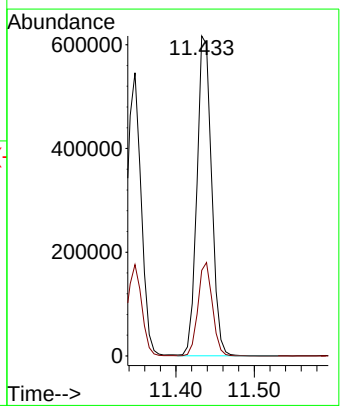


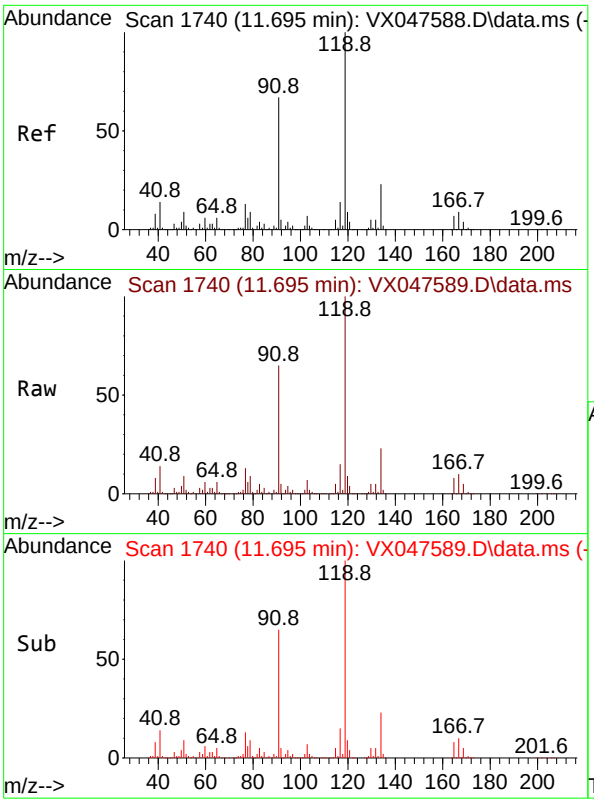


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

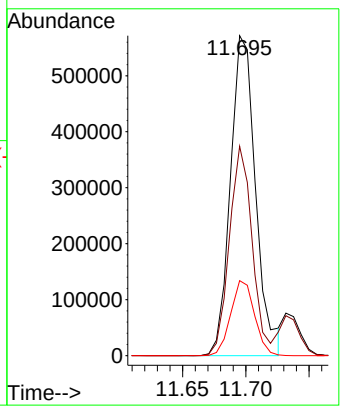




#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 79189

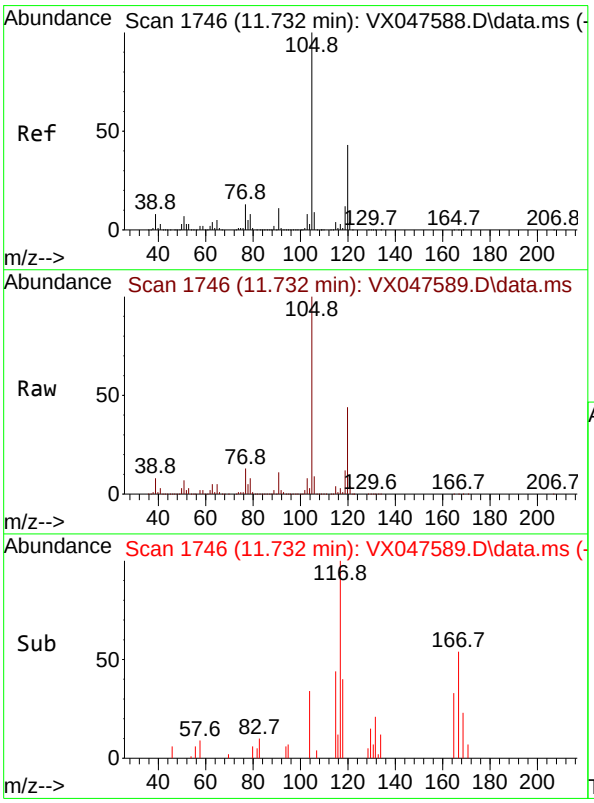
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

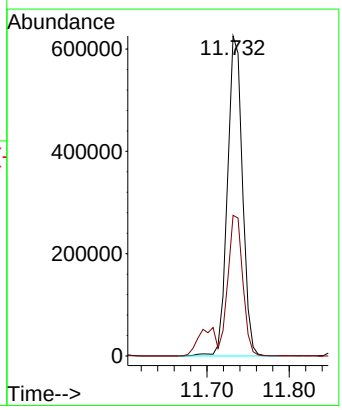
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

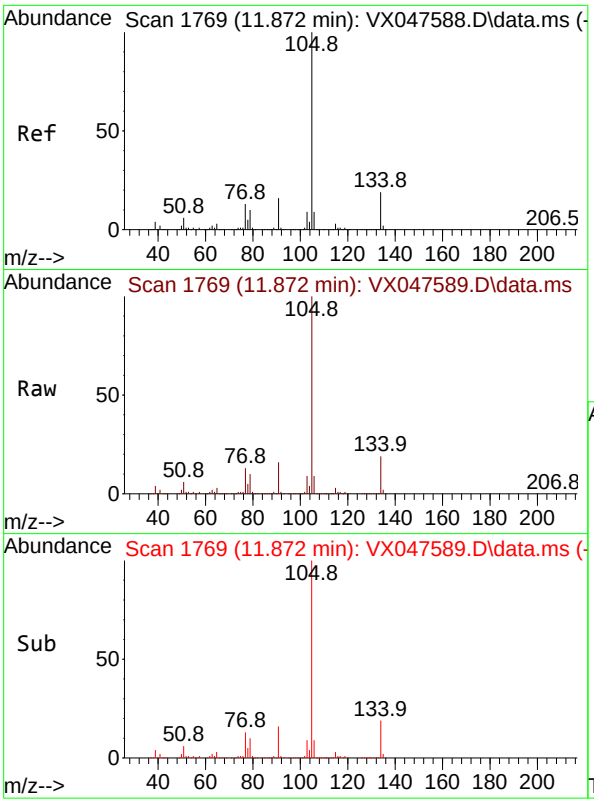


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1





#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

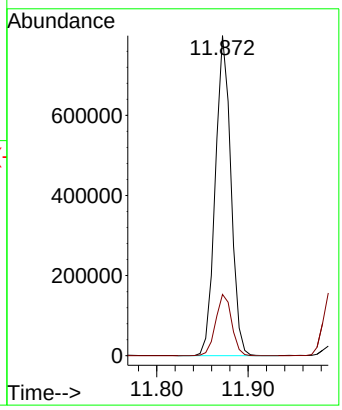
Tgt Ion:105 Resp: 94532

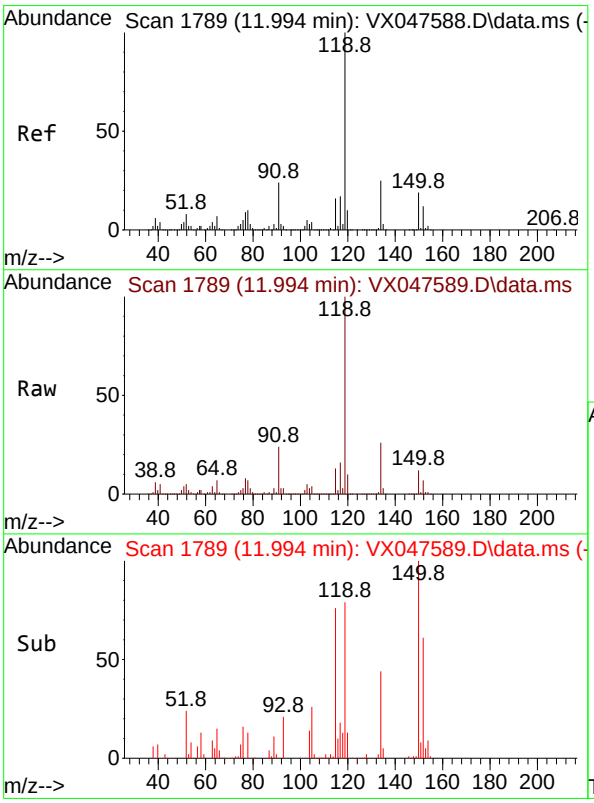
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

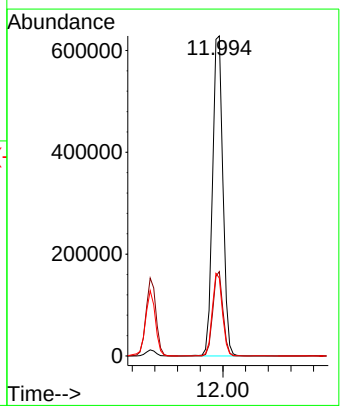


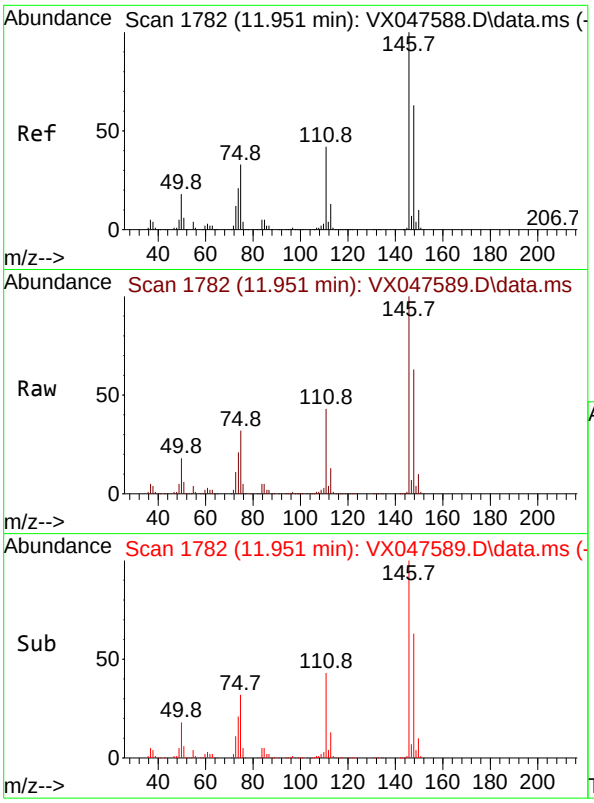


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6

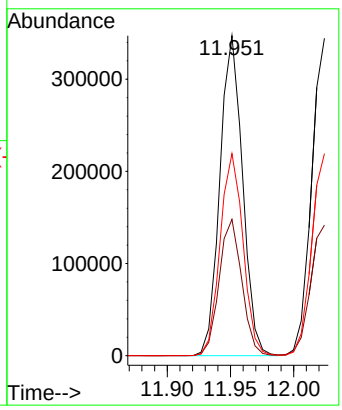




#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 43224

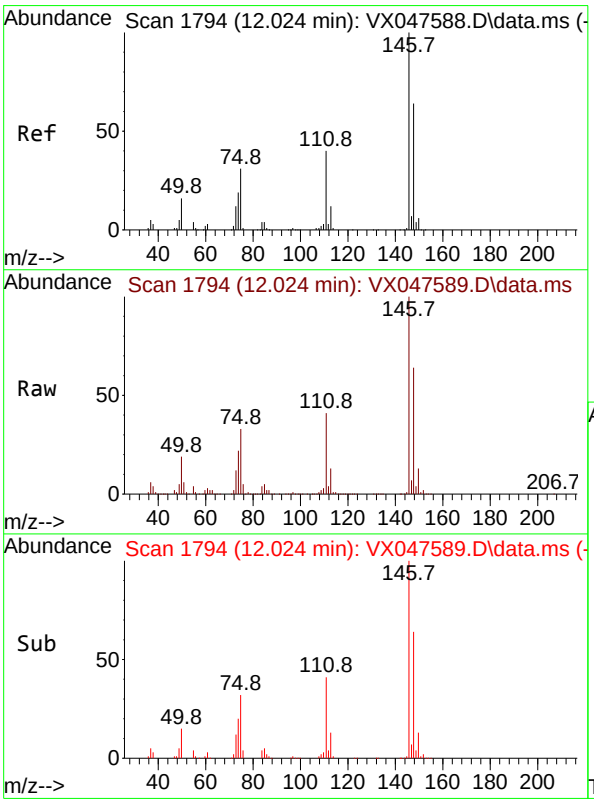
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

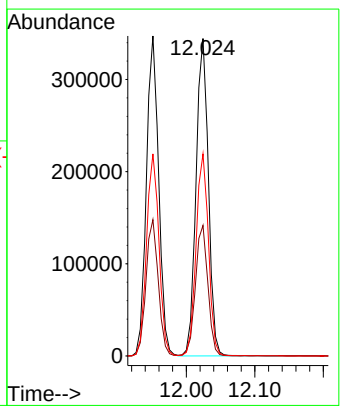
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

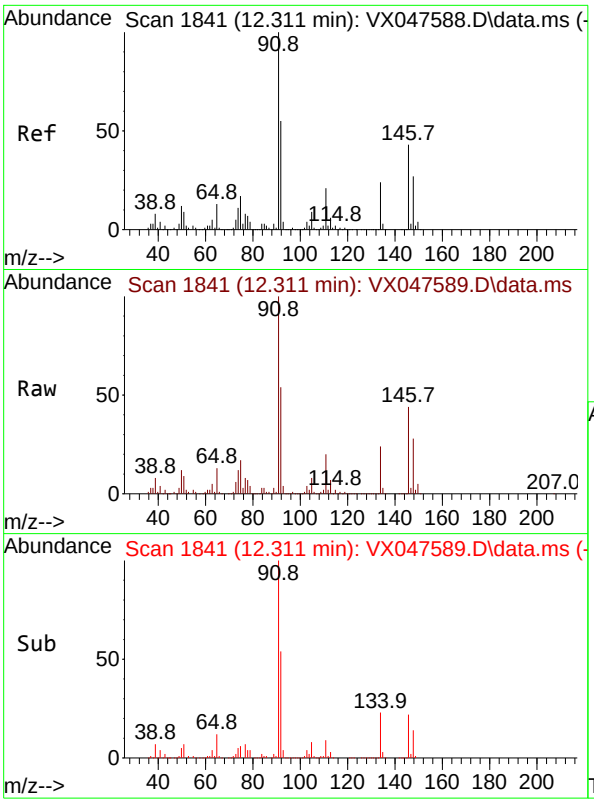


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1





#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

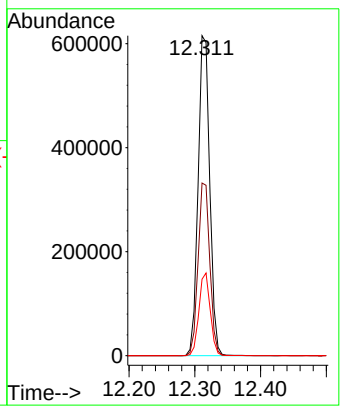
Tgt Ion: 91 Resp: 75723

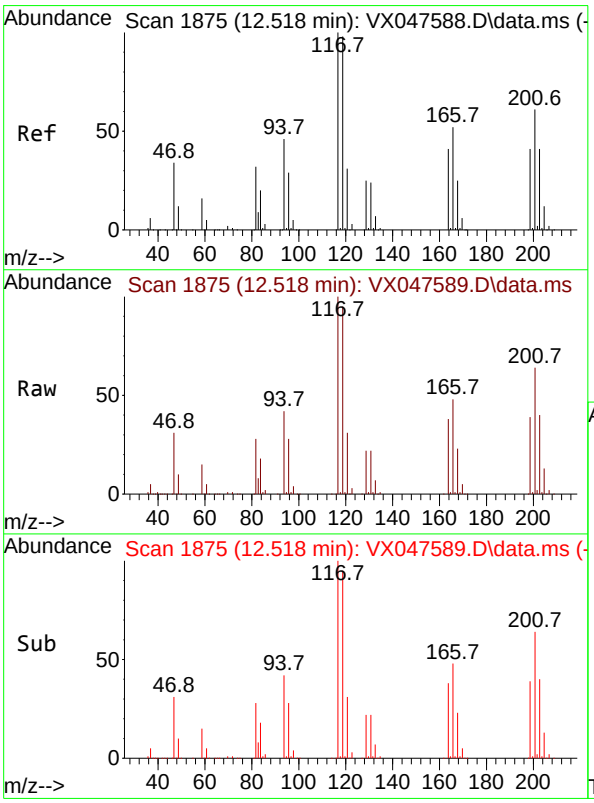
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

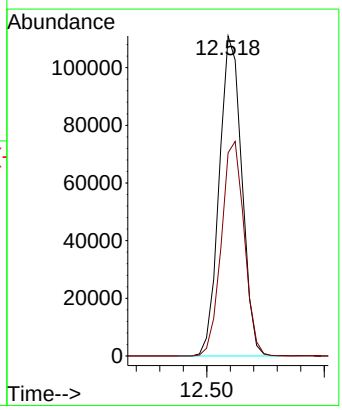


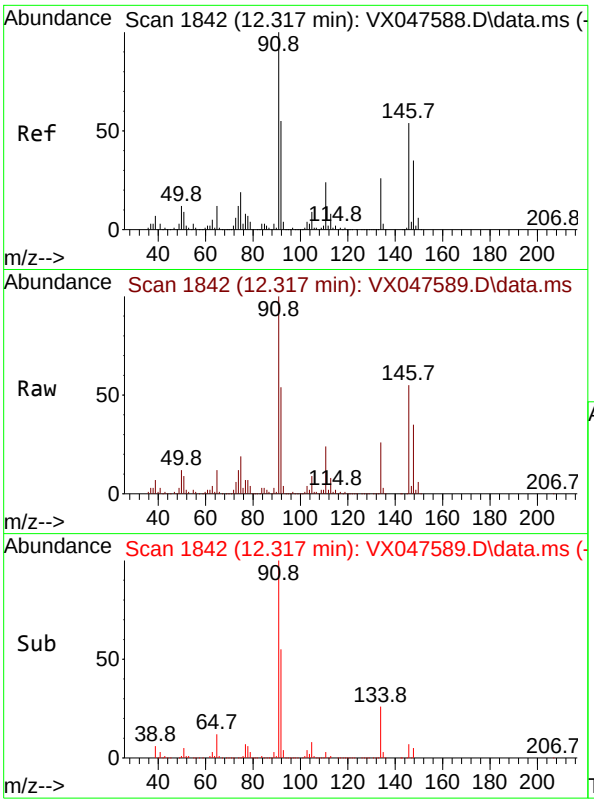


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5

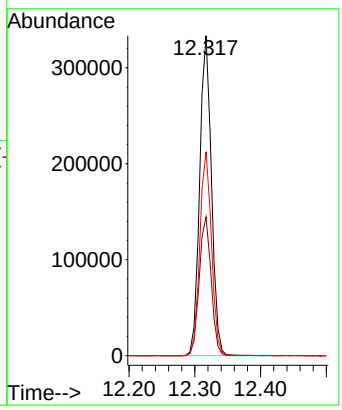




#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 41449

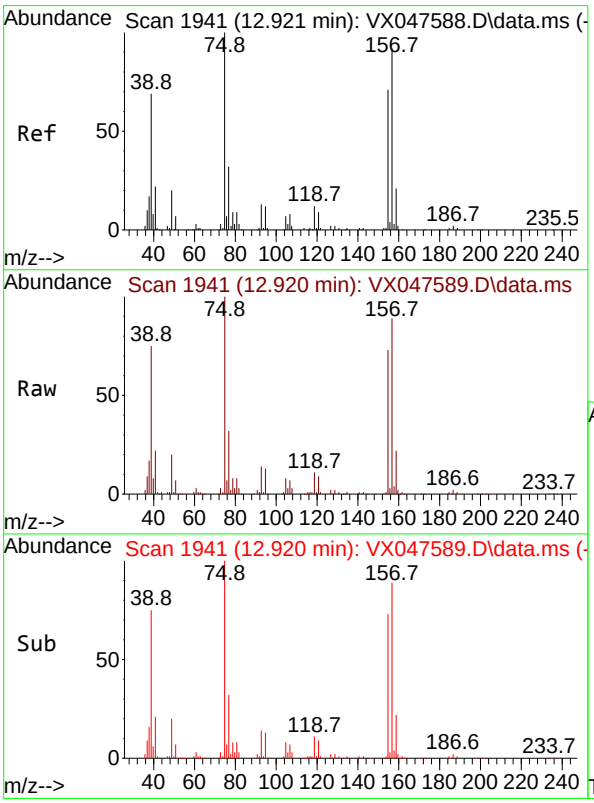
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

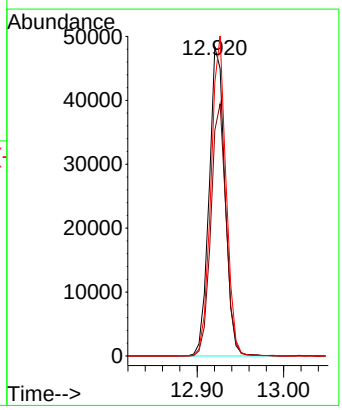
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

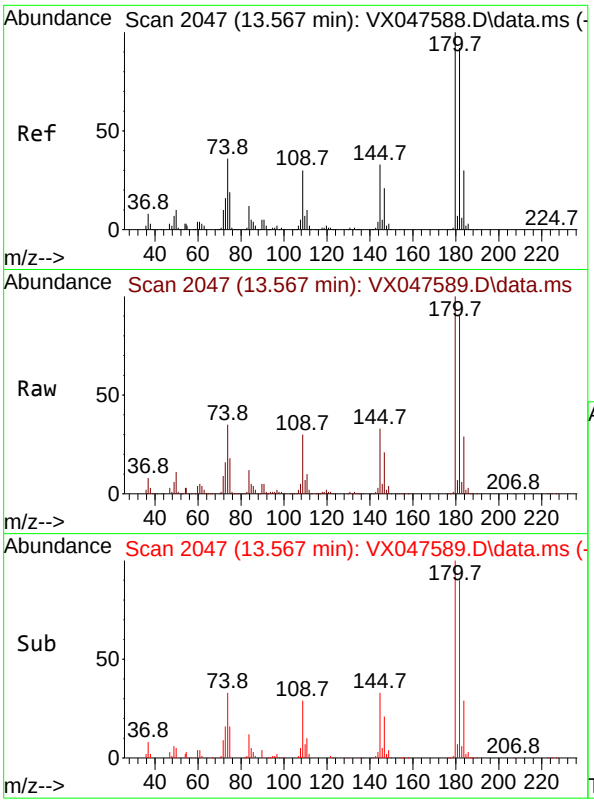


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4

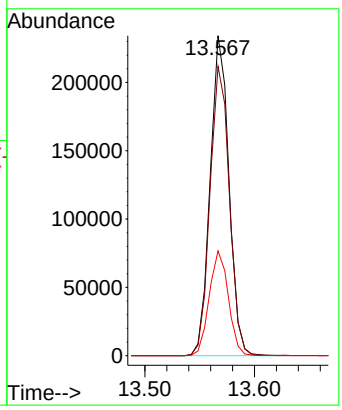




#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 27877

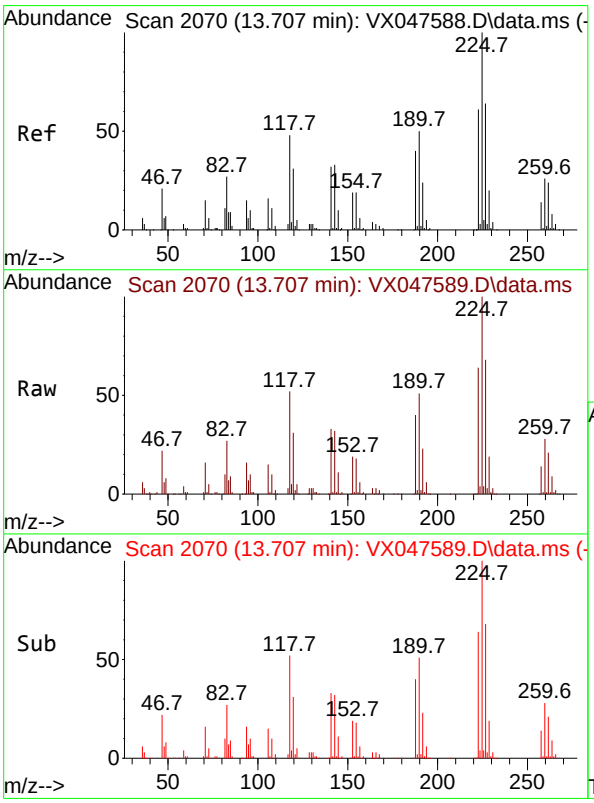
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

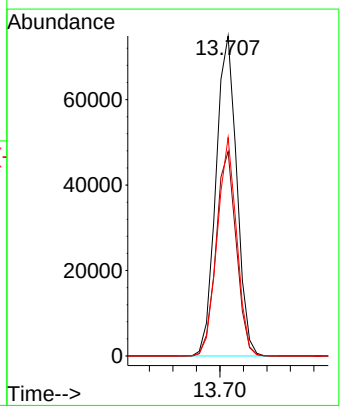
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

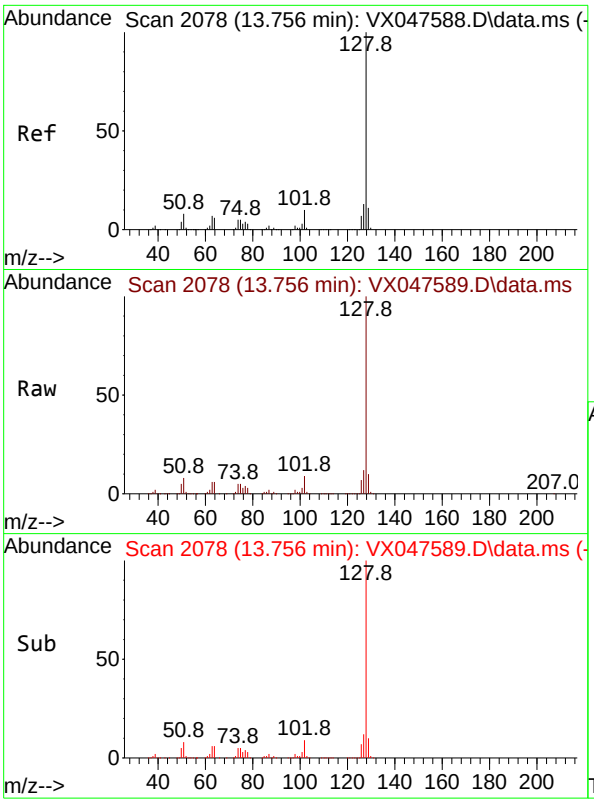


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0

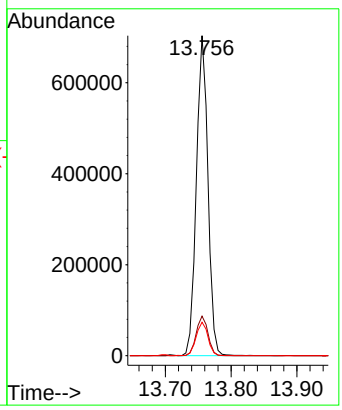




#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:128 Resp: 85449

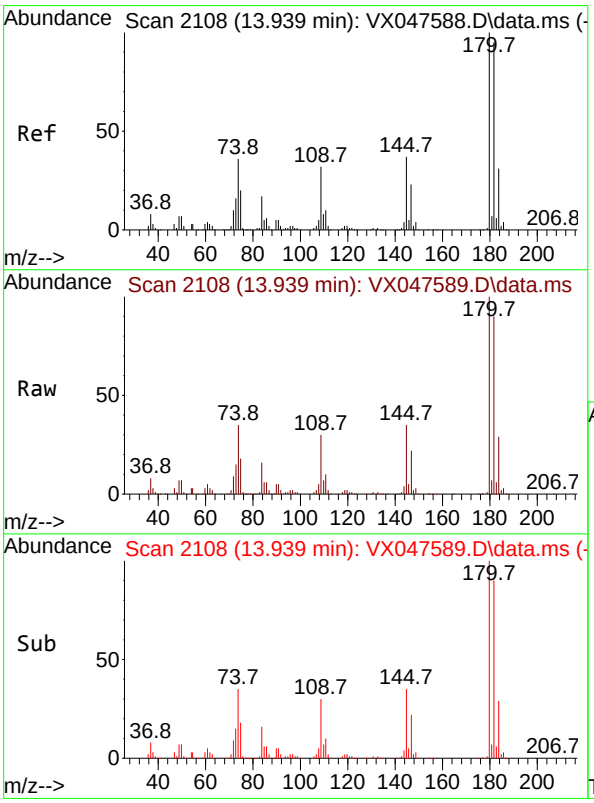
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

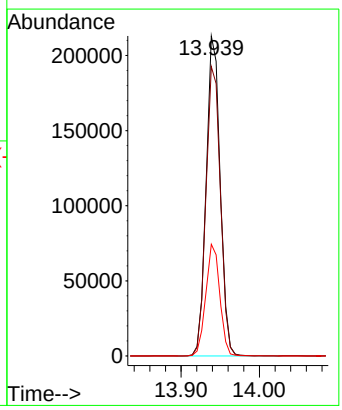
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951 ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515 ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283 ug/l	99
44) Trichloroethene	7.111	130	299673	151.542 ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219 ug/l	99
46) Dibromomethane	7.568	93	228550	149.954 ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710 ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194 ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565 ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849 ug/l	100
52) Toluene	8.702	92	739332	146.712 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076 ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781 ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773 ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661 ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035 ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318 ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949 ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590 ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733 ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026 ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381 ug/l	99
69) o-Xylene	10.628	106	521840	152.920 ug/l	99
70) Styrene	10.640	104	917532	153.449 ug/l	99
71) Bromoform	10.781	173	229683	162.262 ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477 ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035 ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	366171m	153.692 ug/l	
77) Bromobenzene	11.183	156	328336	152.818 ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337 ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176 ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112 ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819 ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336 ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448 ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814 ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222 ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332 ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884 ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110 ug/l	99
95) Naphthalene	13.756	128	1229363	163.388 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

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

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ClientSampleId :
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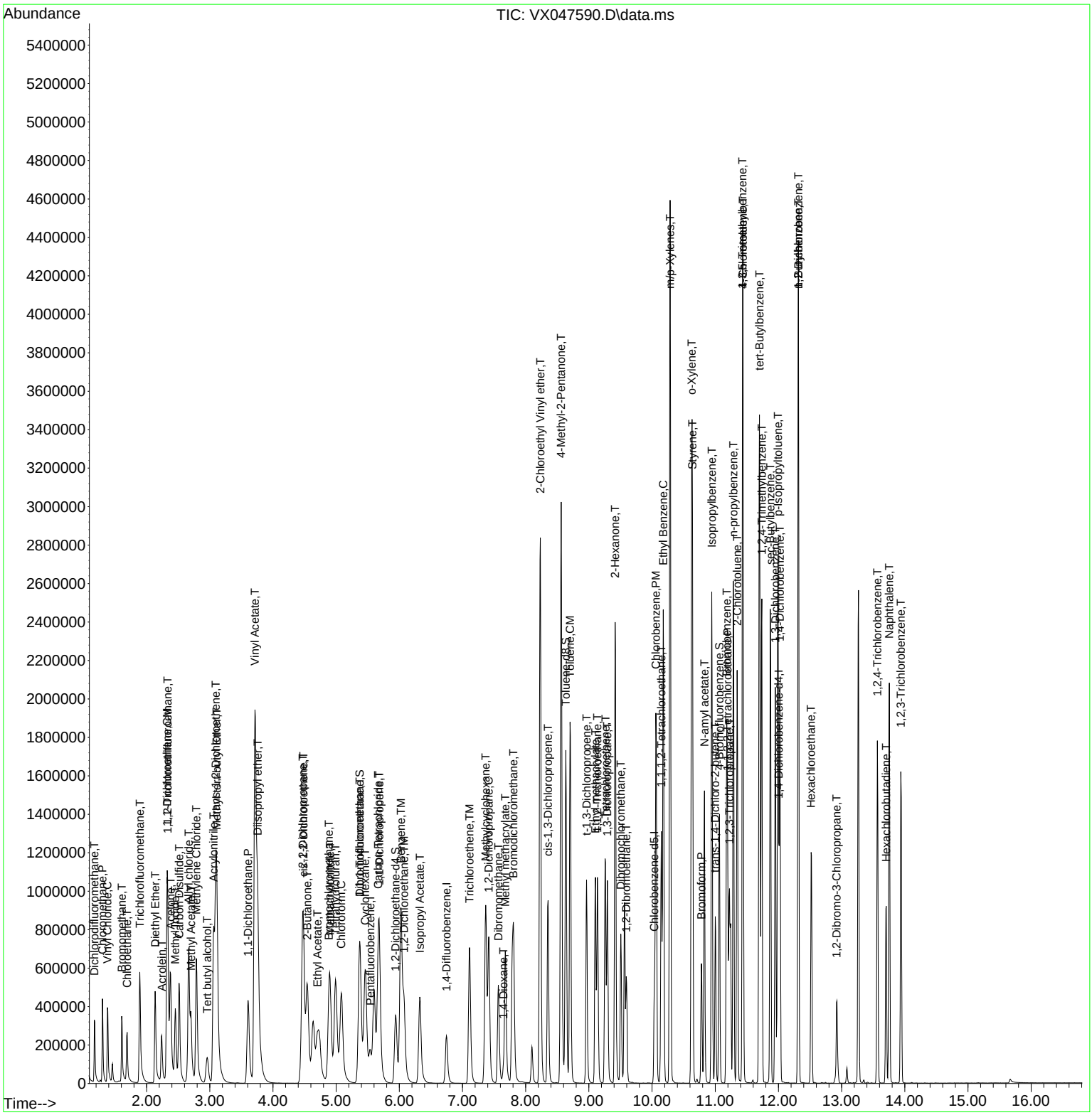
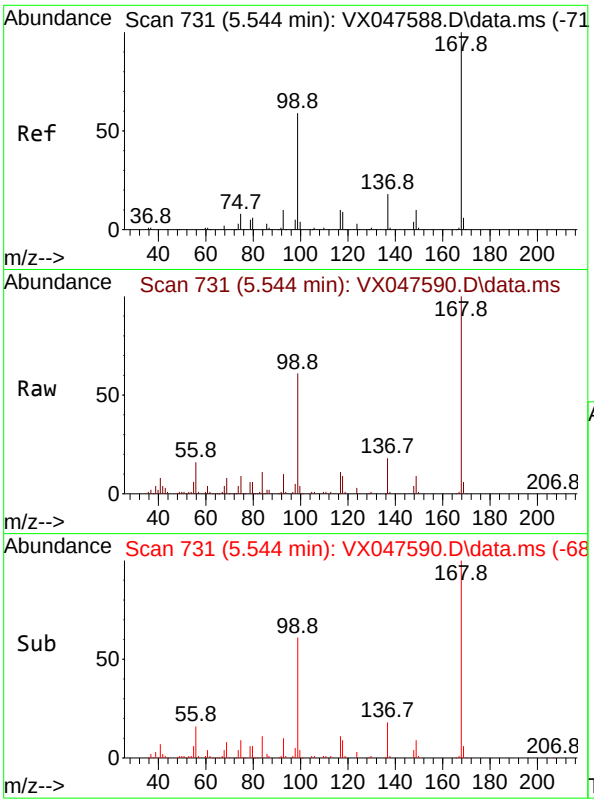
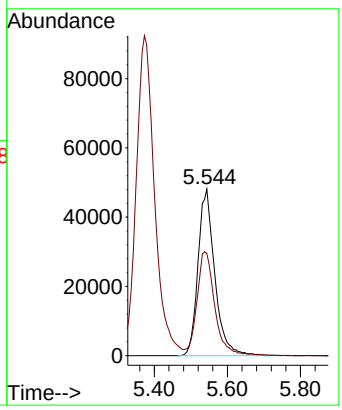




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:168 Resp: 15317

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



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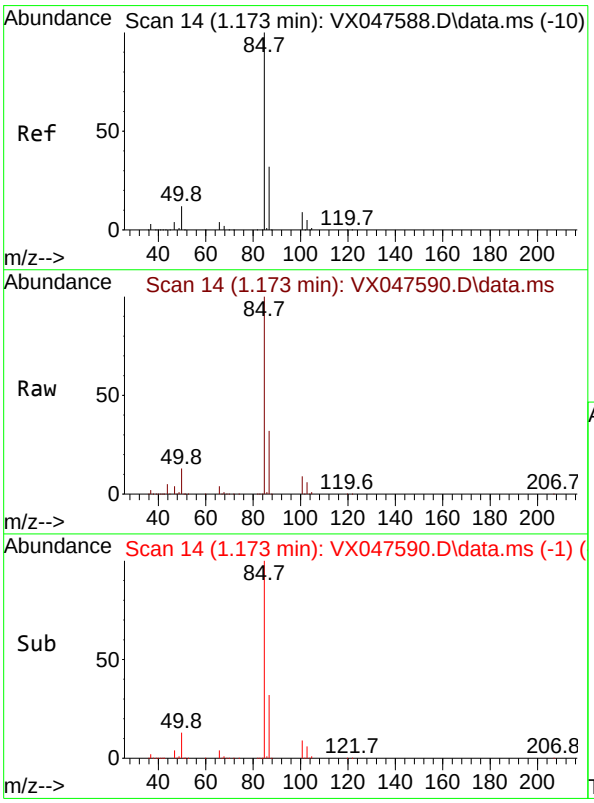
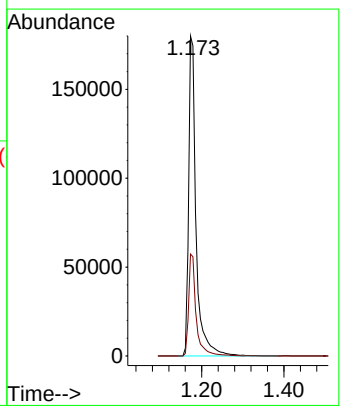
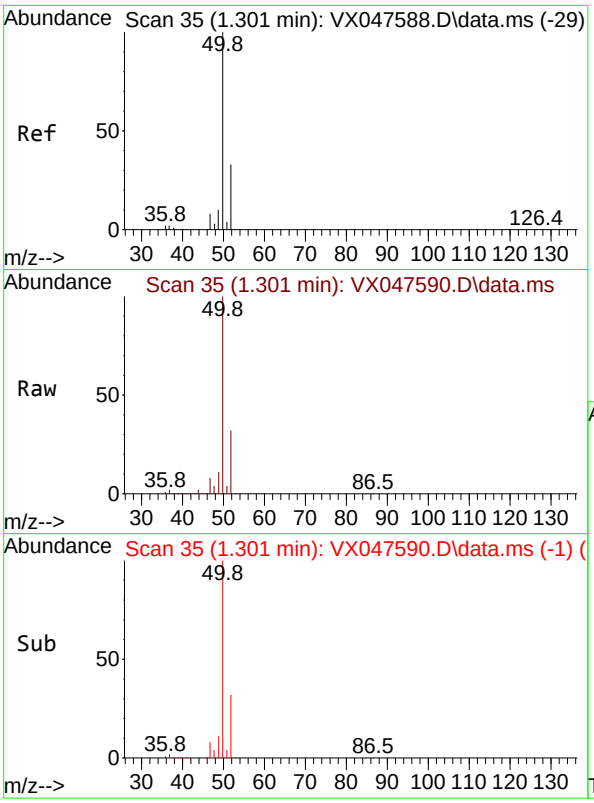


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

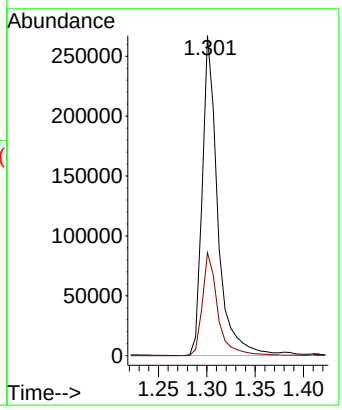




#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 50 Resp: 29725

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
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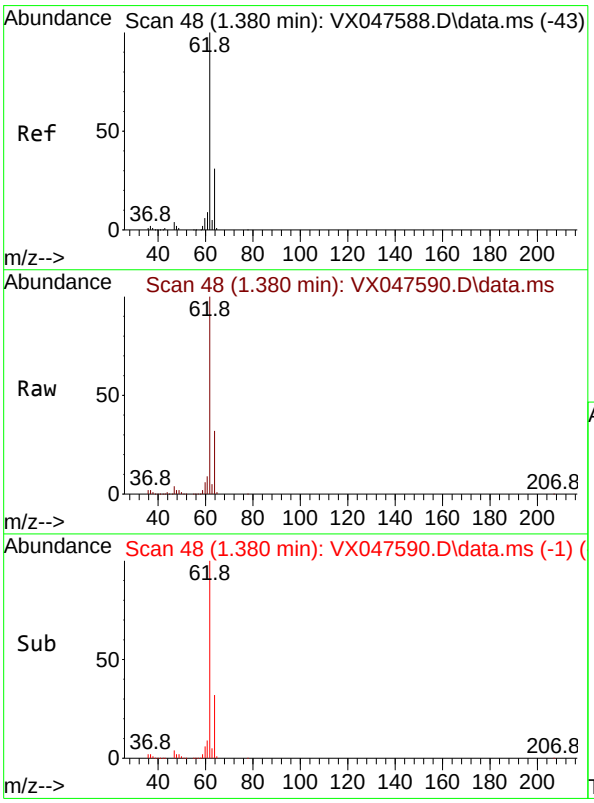
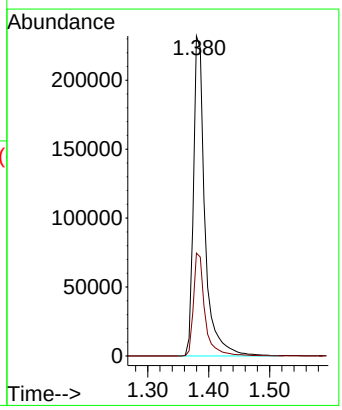
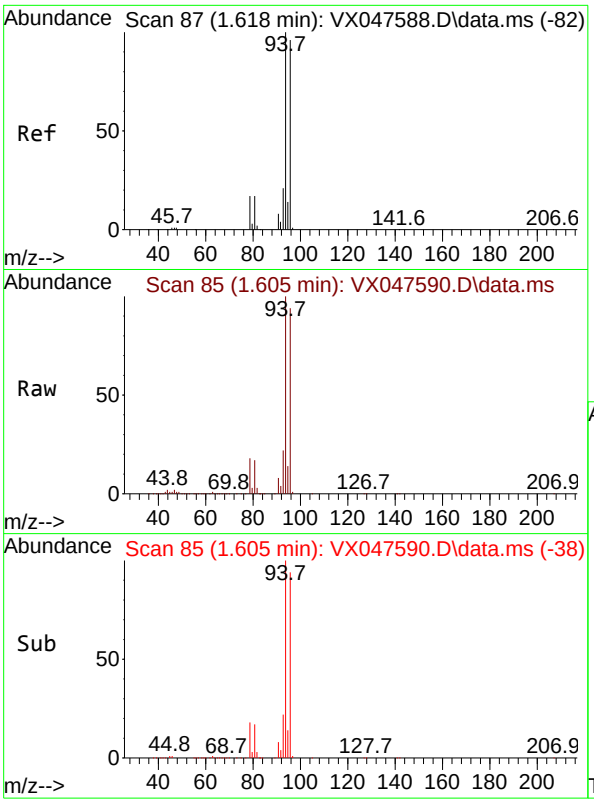


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3

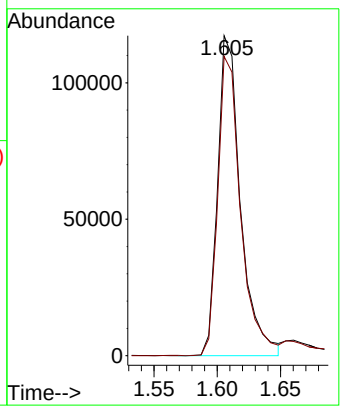




#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 94 Resp: 14754

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
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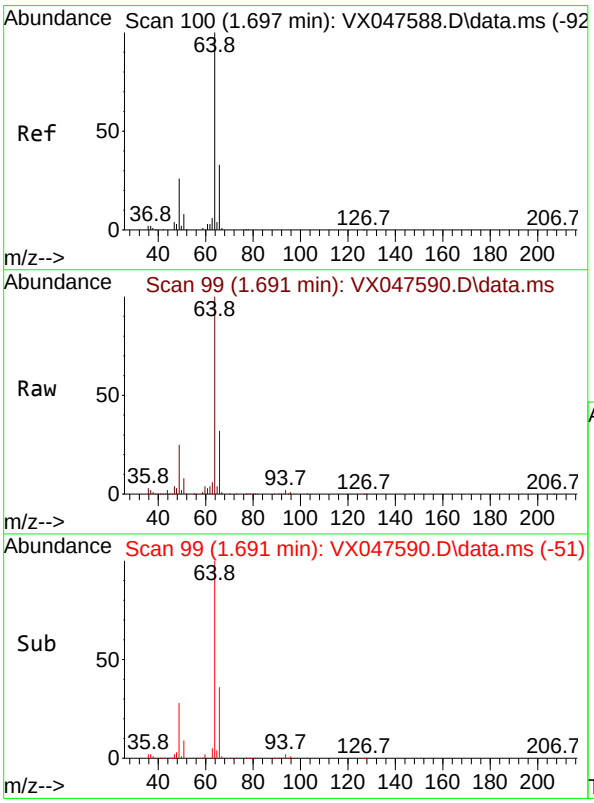
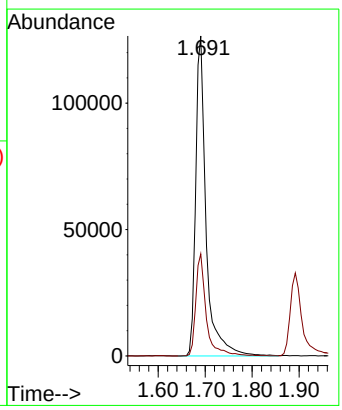
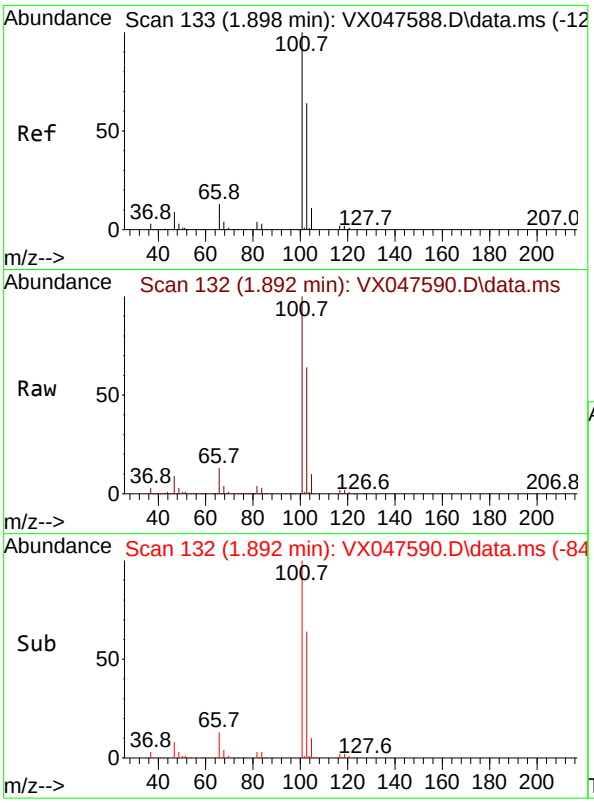


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1





#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 45311

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

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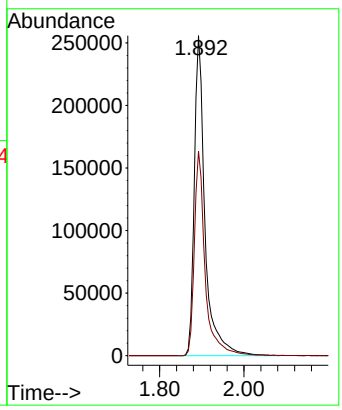
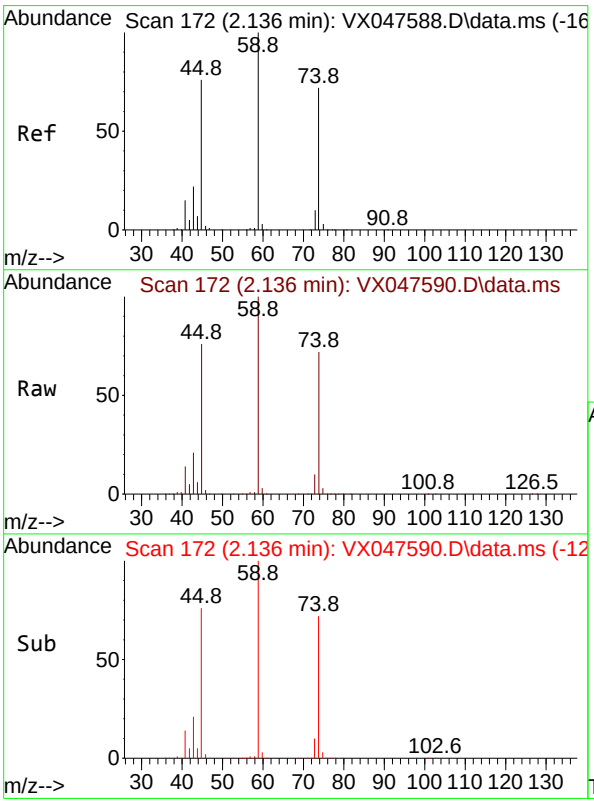
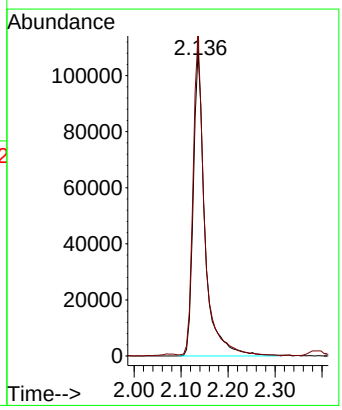


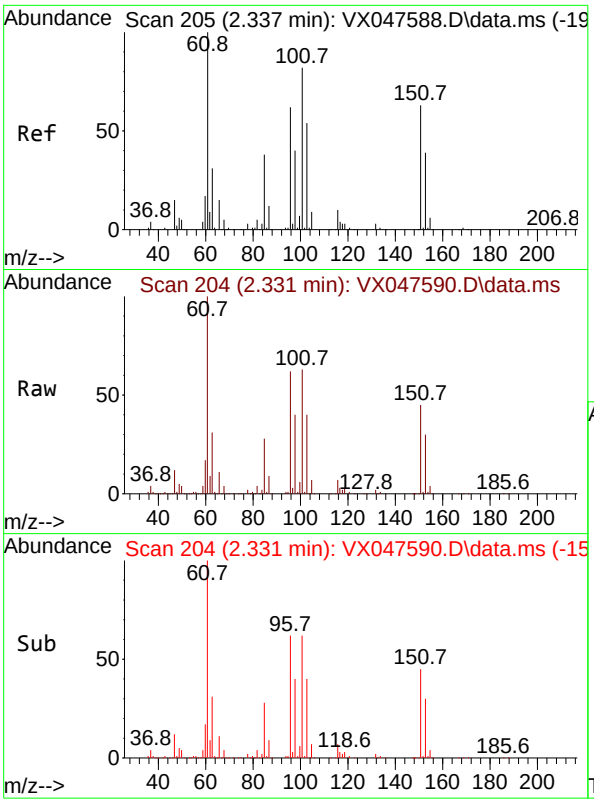


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 26799

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

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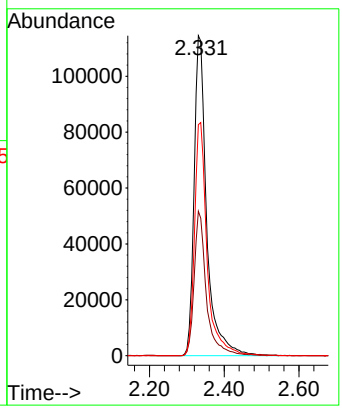
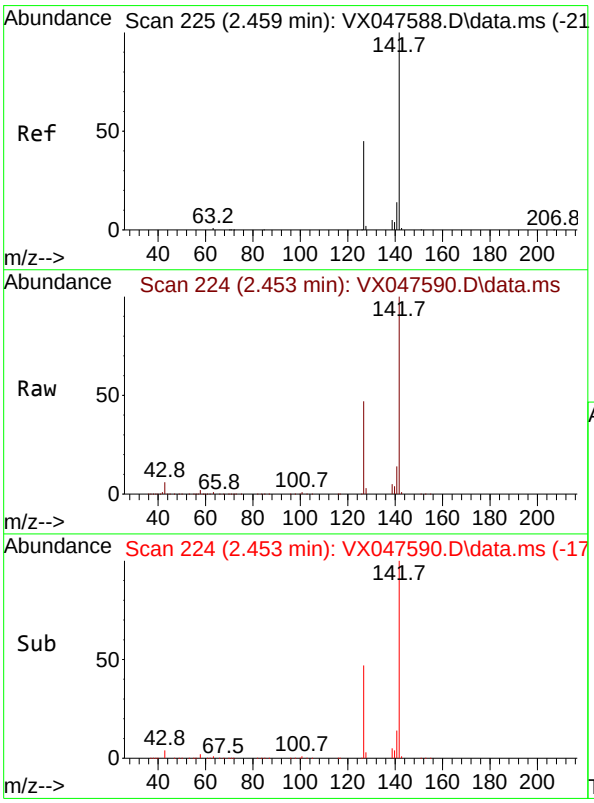
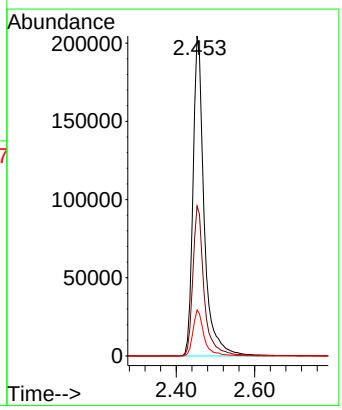


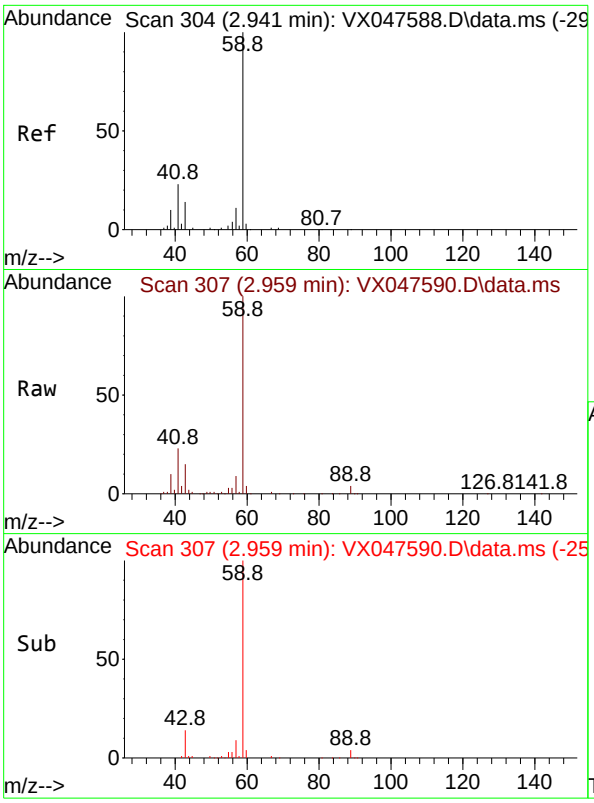


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0

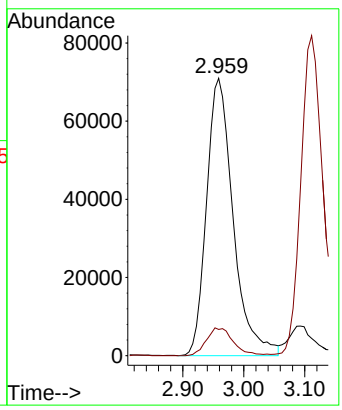




#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 59 Resp: 21592

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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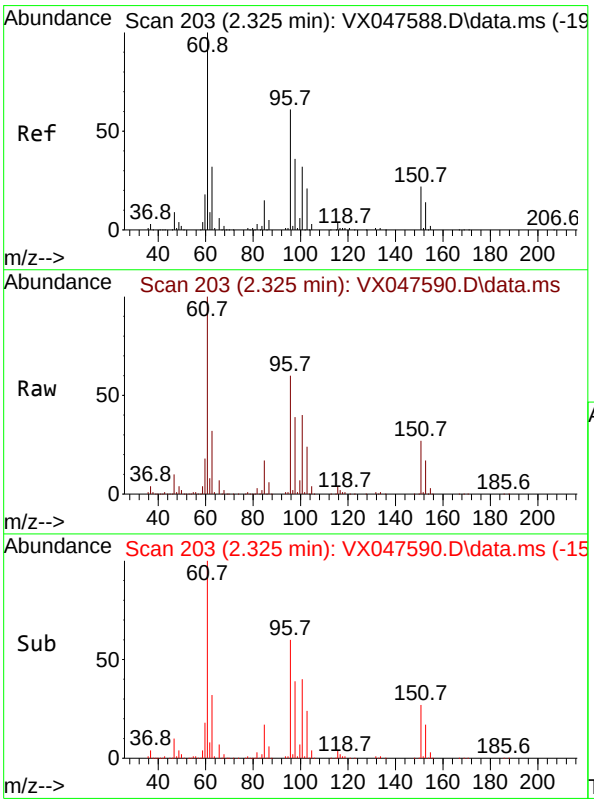
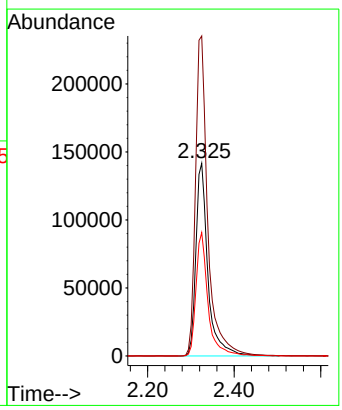
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

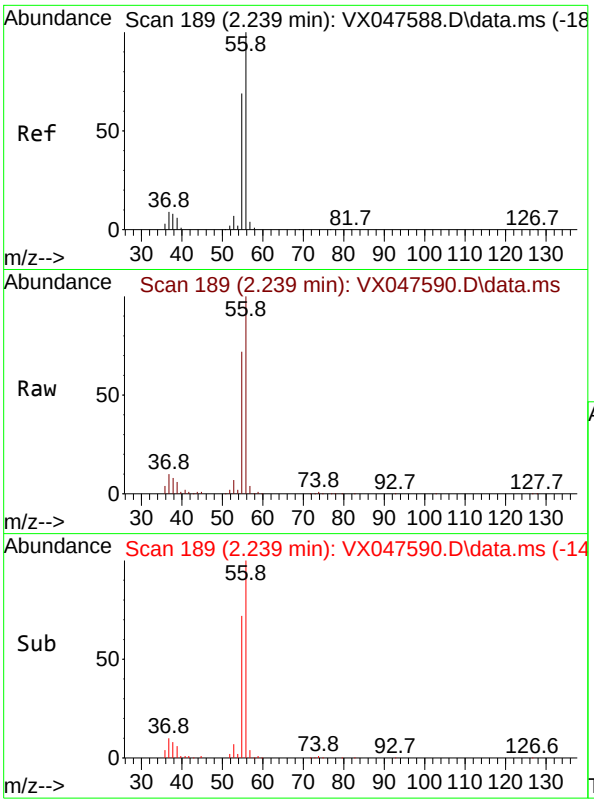


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5

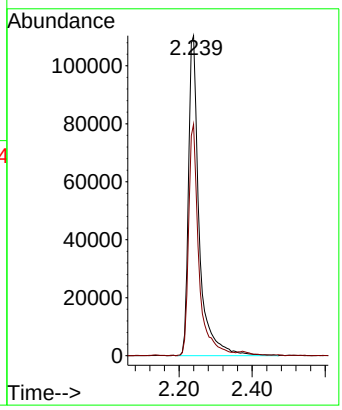




#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 22376

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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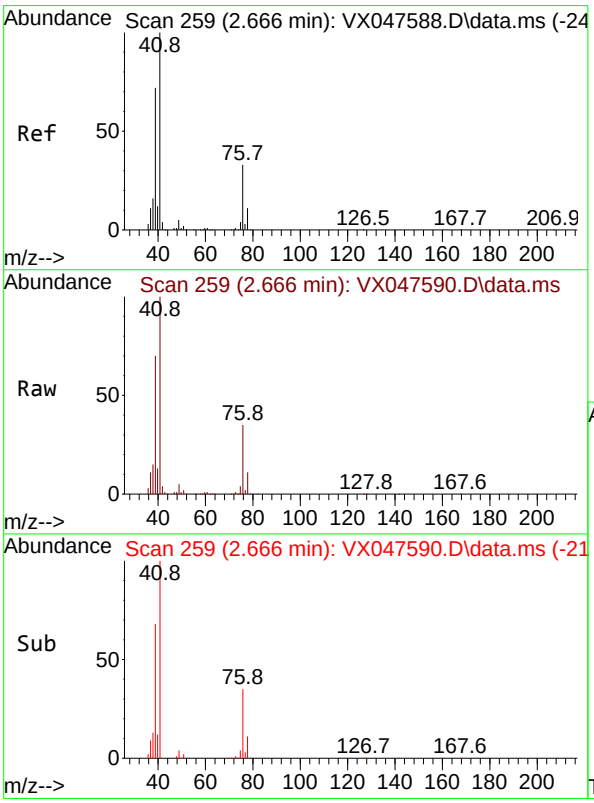
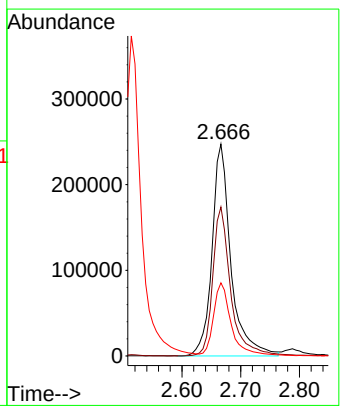
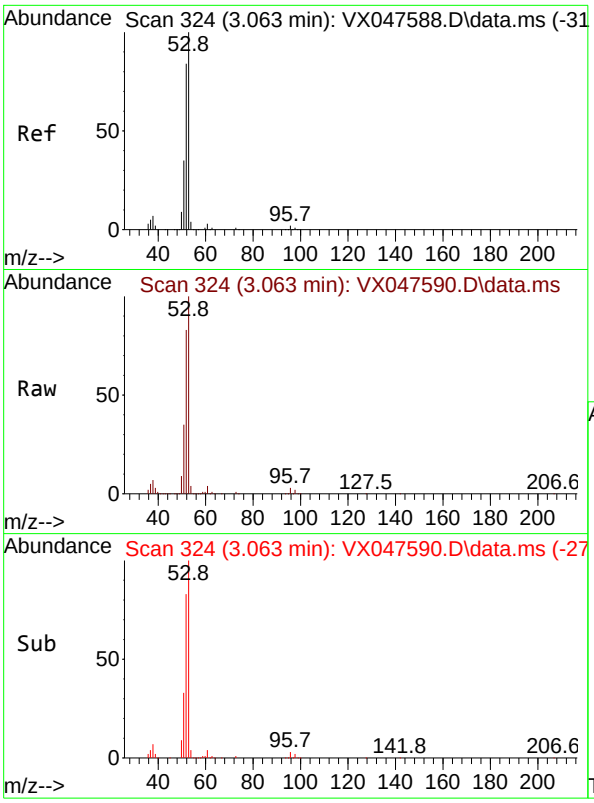


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5





#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 53 Resp: 79079

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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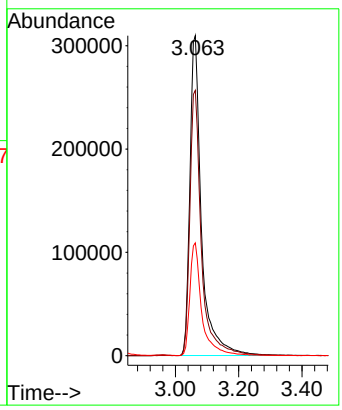
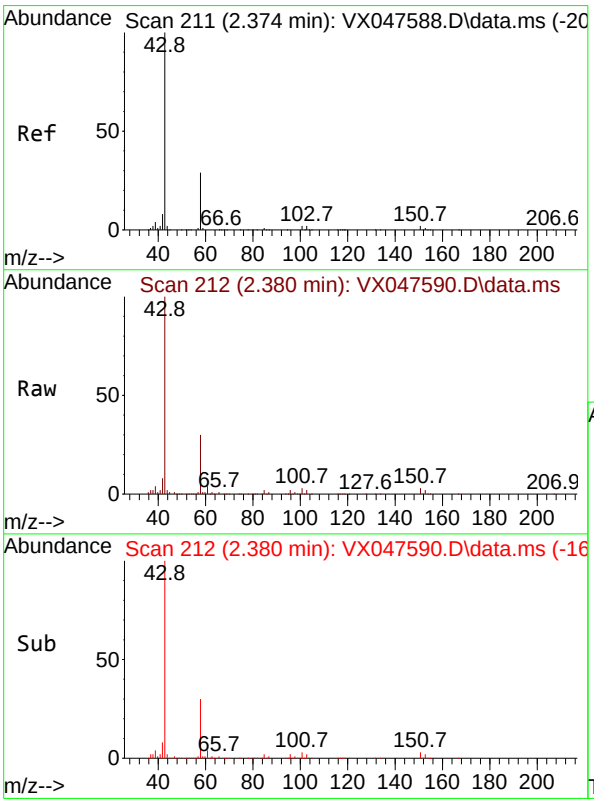
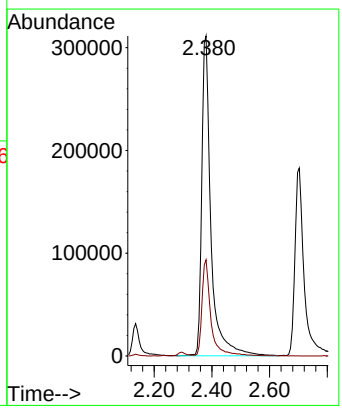


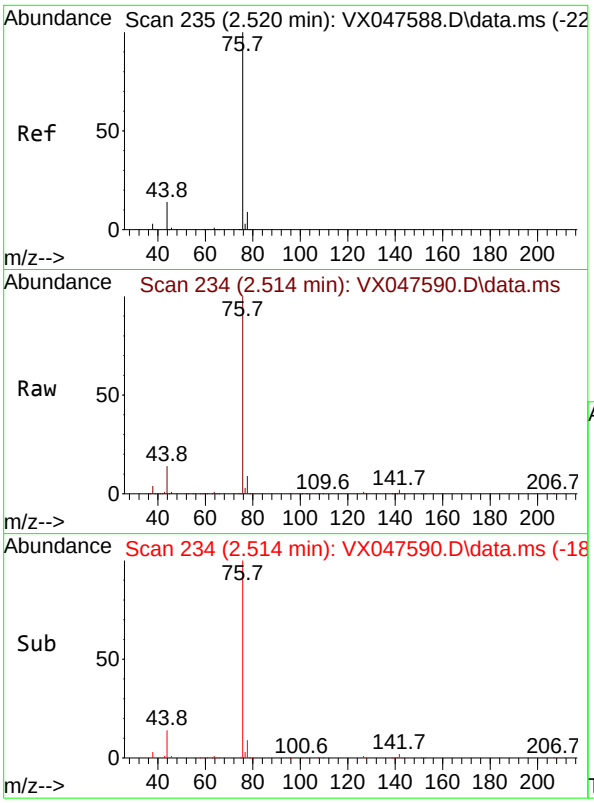


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

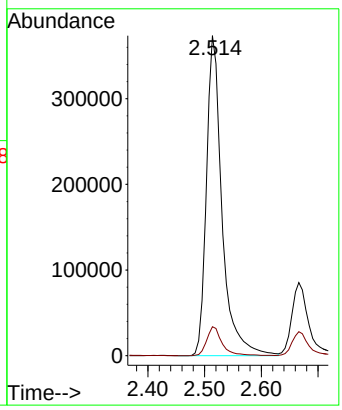




#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 71450

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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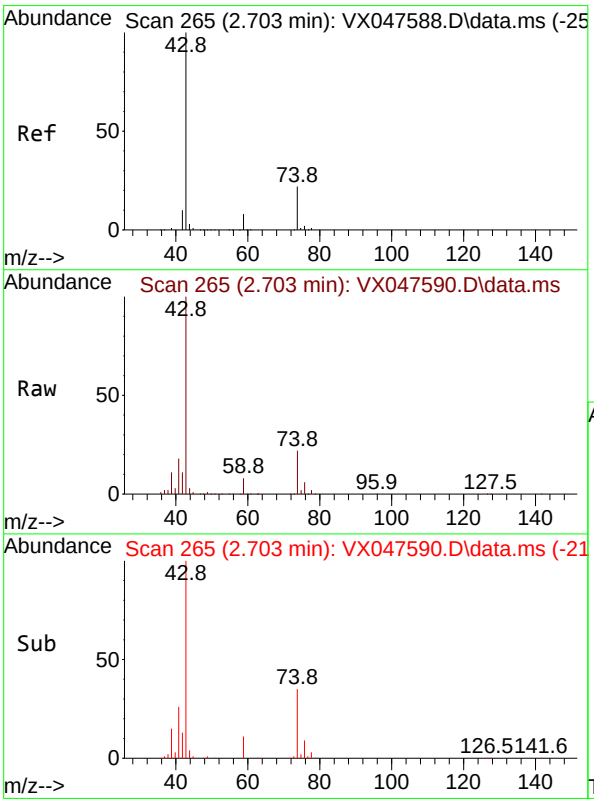
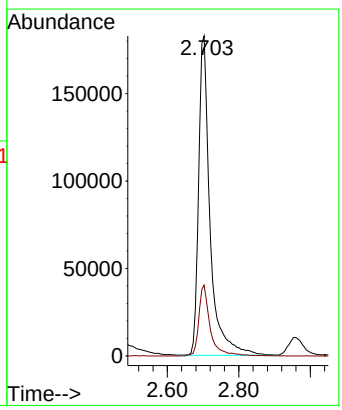
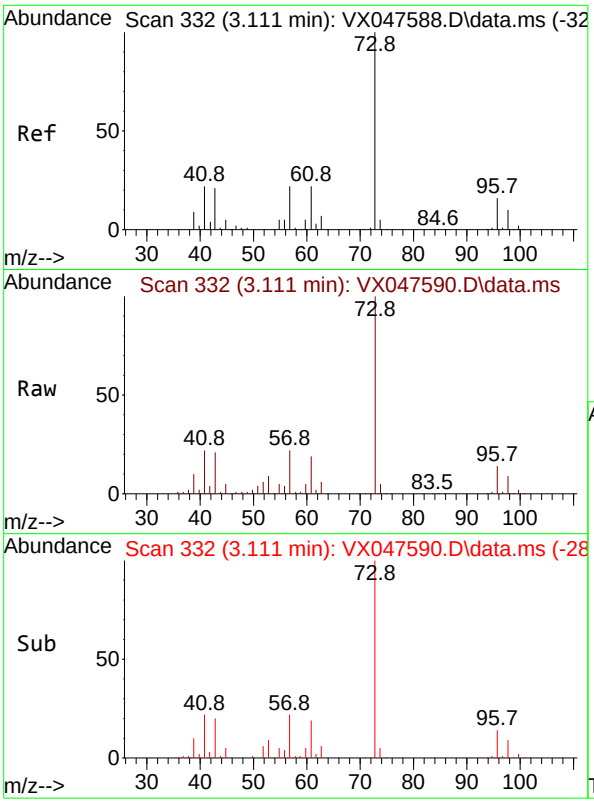


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

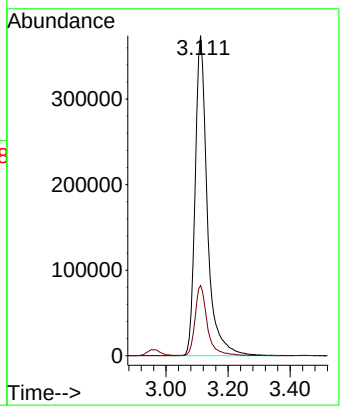




#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 73 Resp: 101529

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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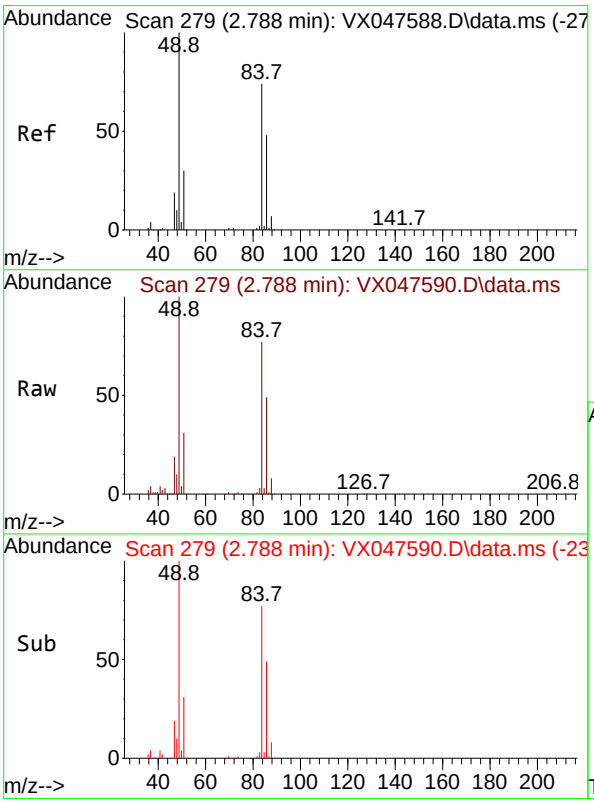
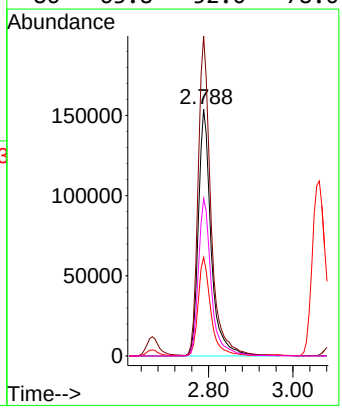
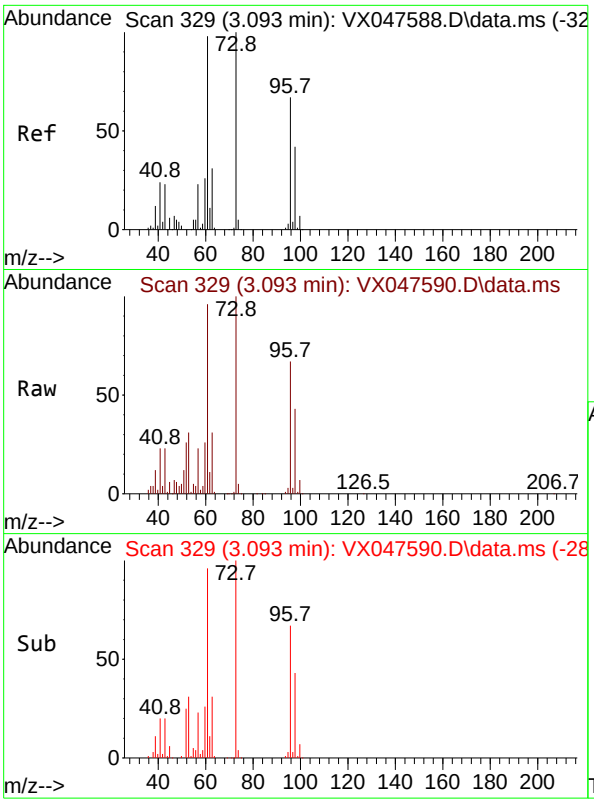


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0

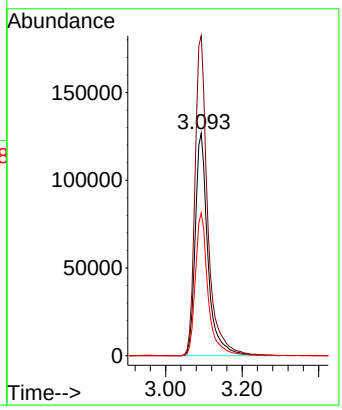




#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 29161

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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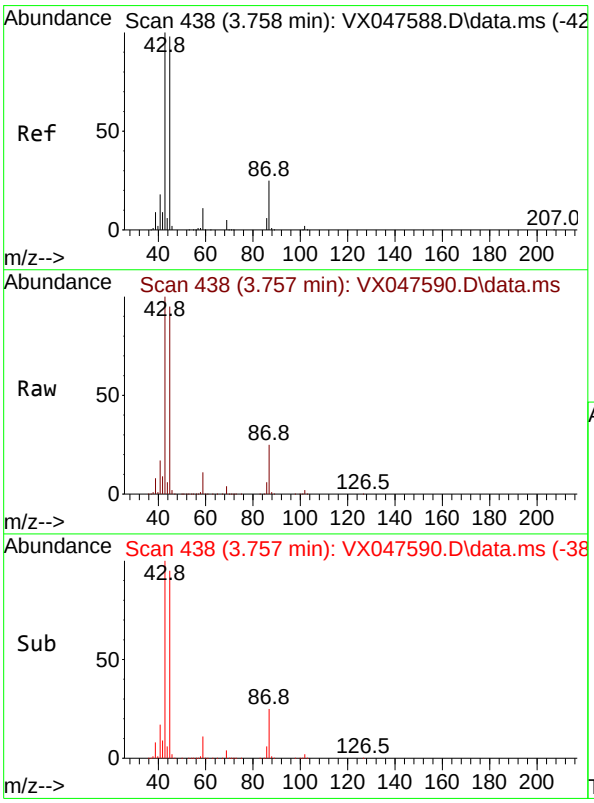
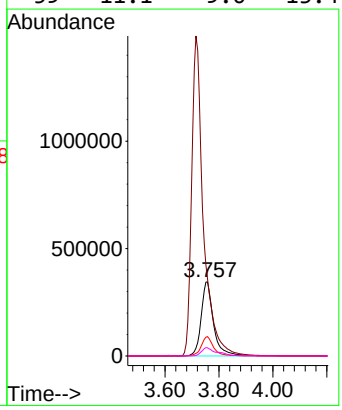
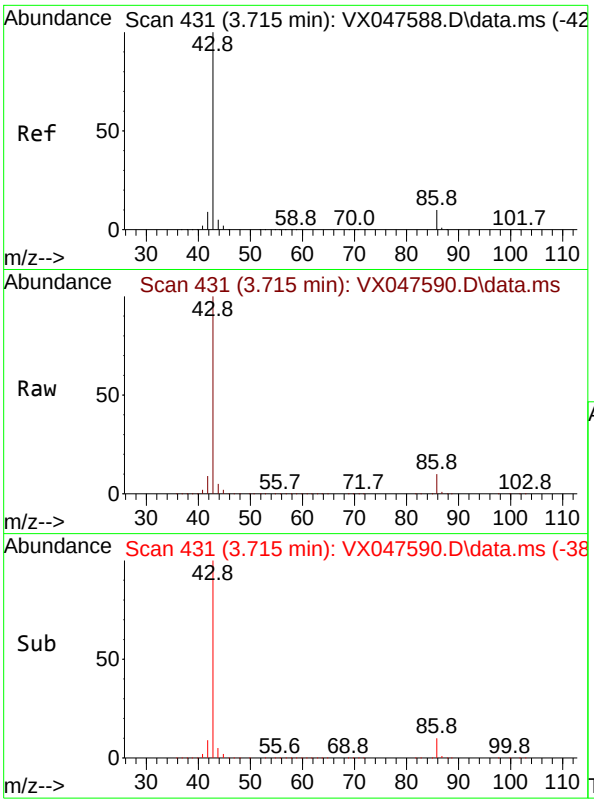


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 450484

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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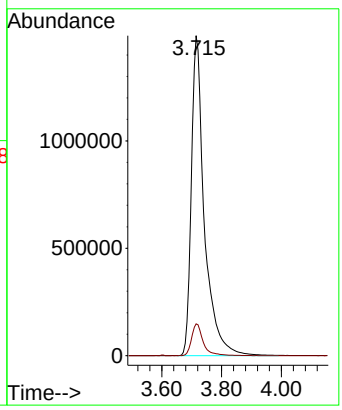
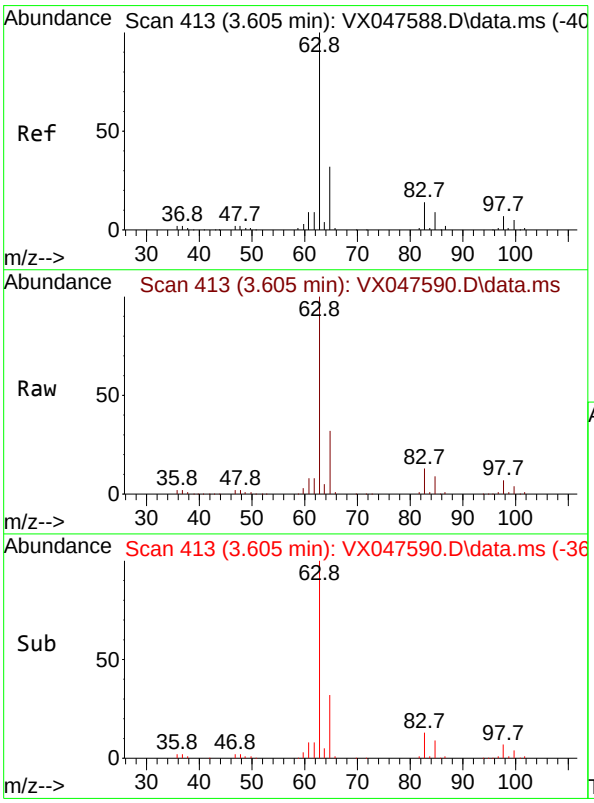
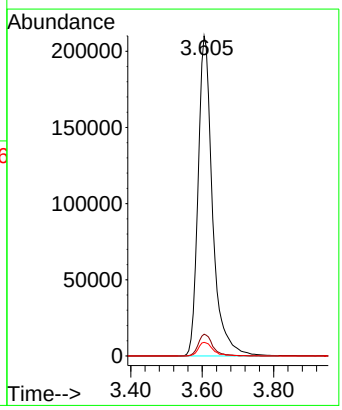


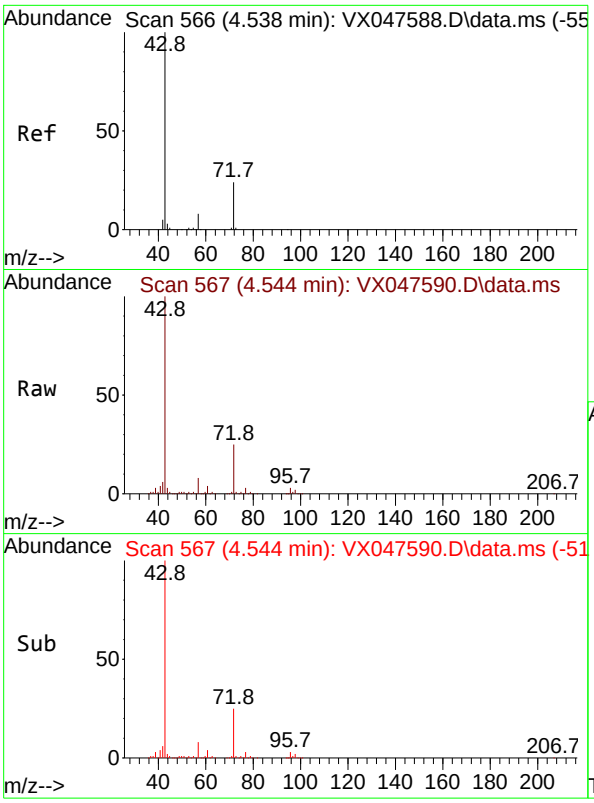


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9

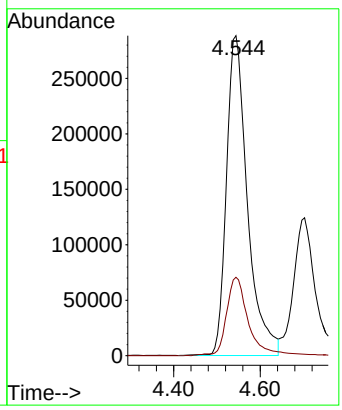




#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 97393

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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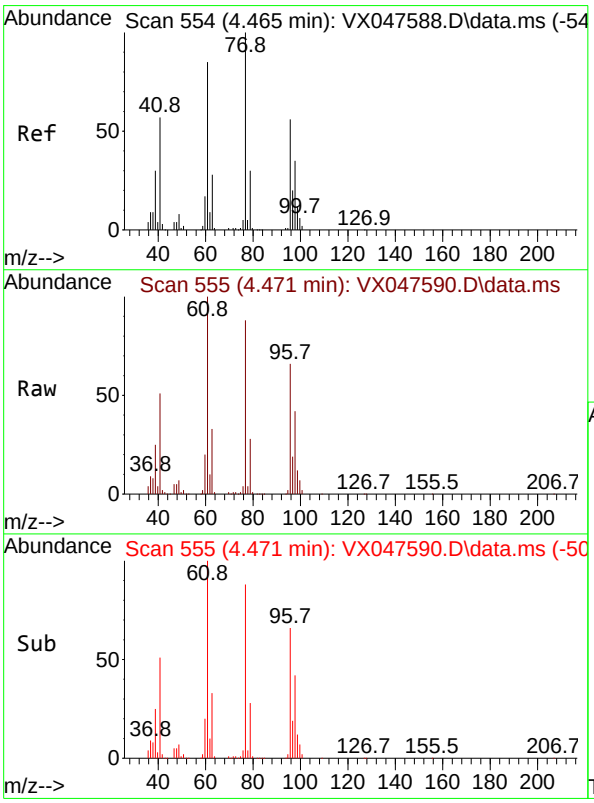
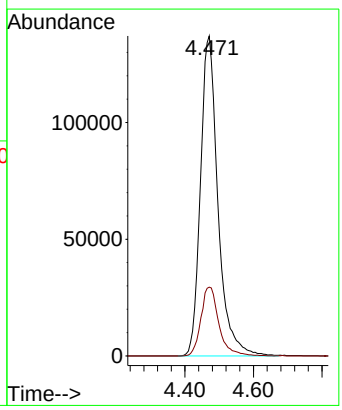
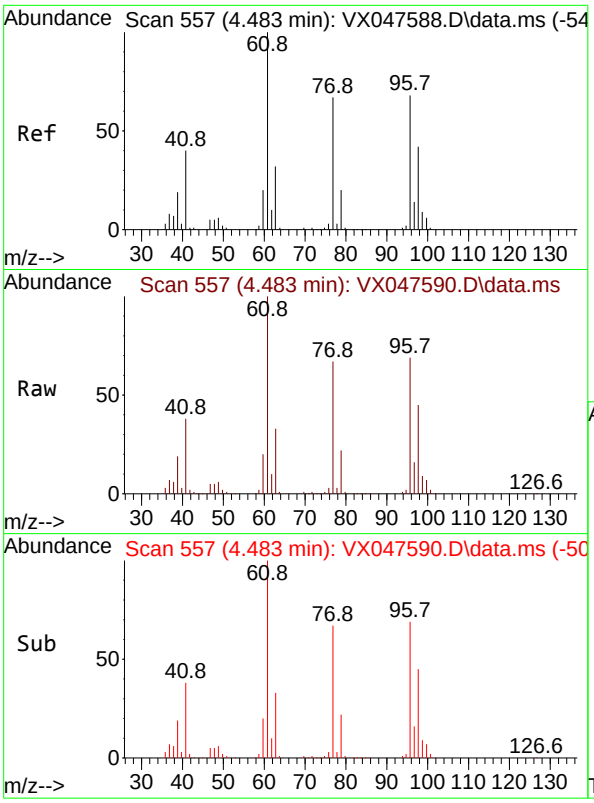


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 36626

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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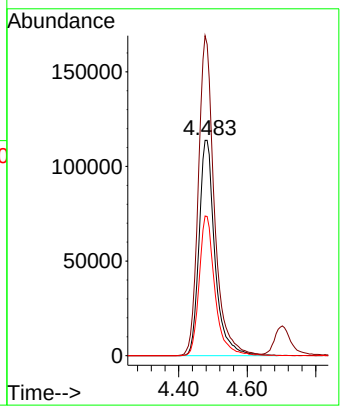
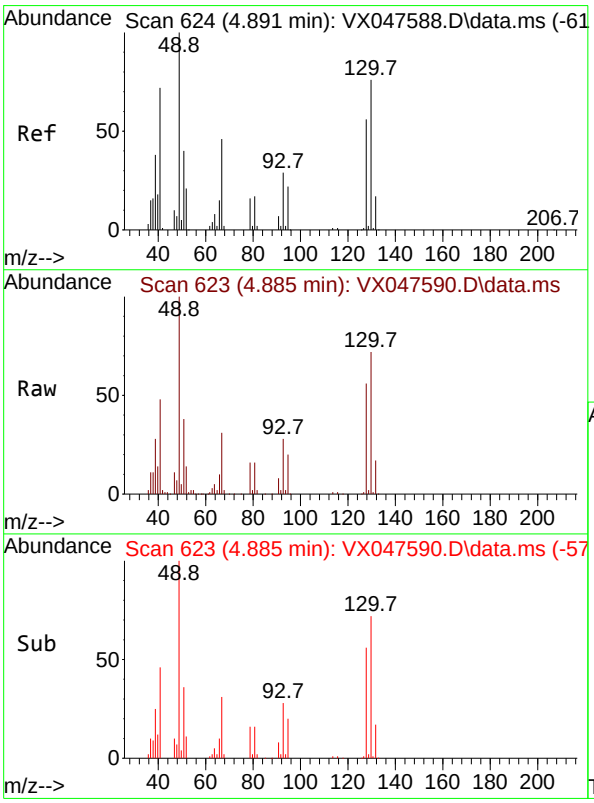
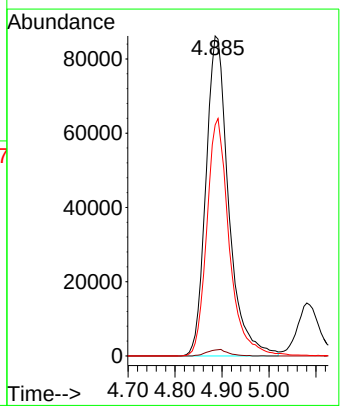


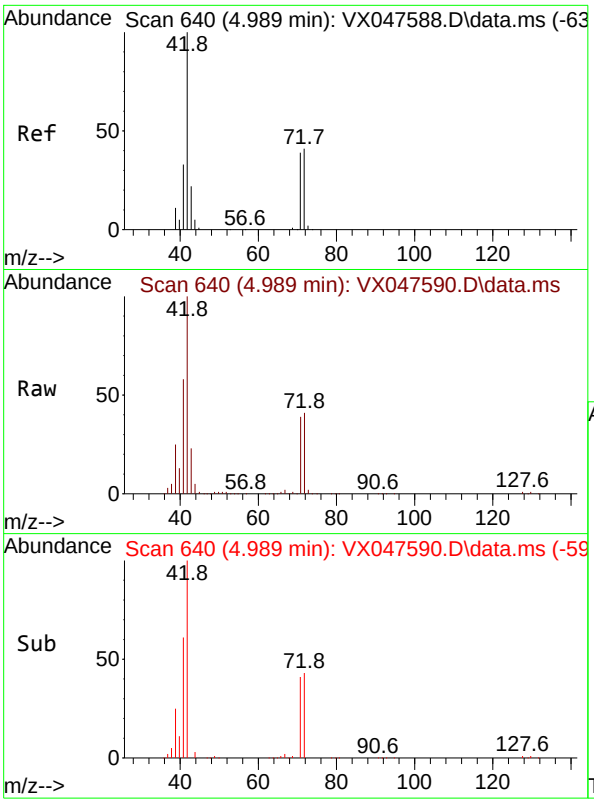


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8

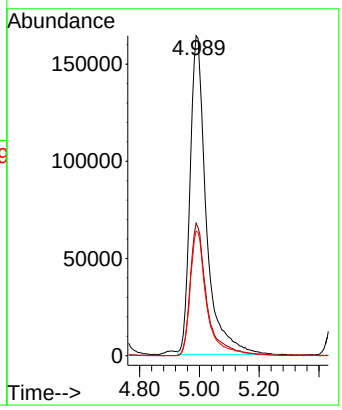




#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 42 Resp: 616374

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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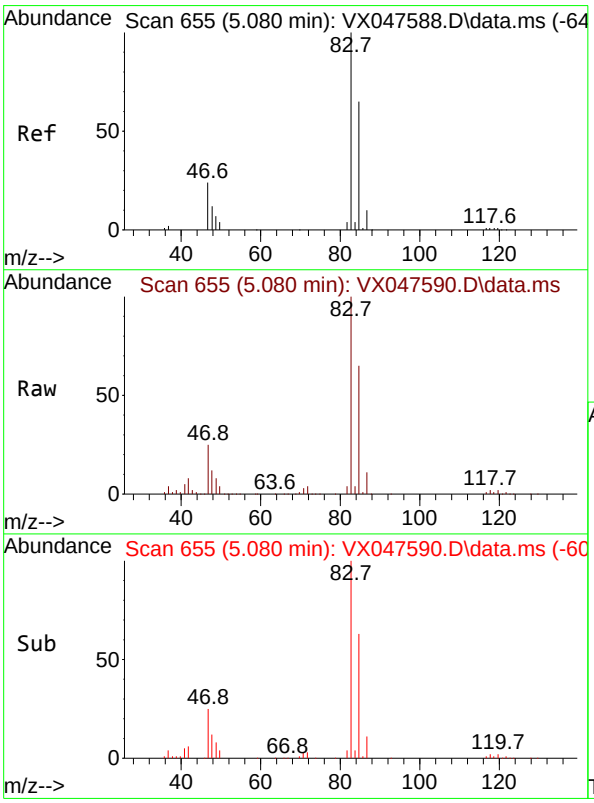
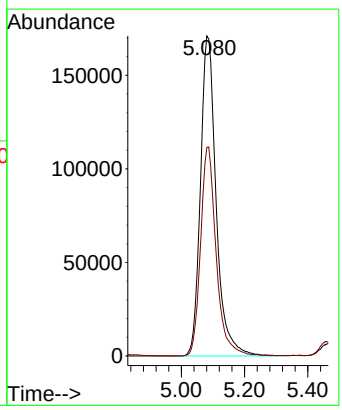
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

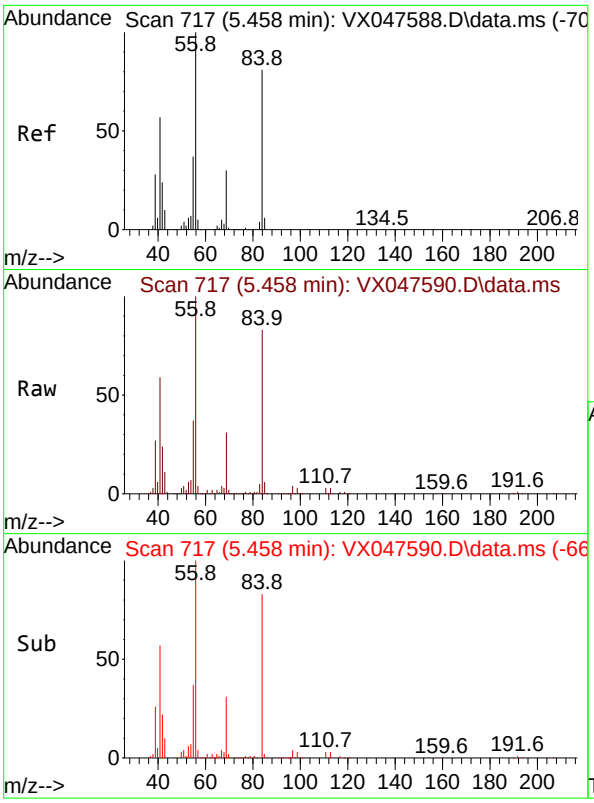


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6

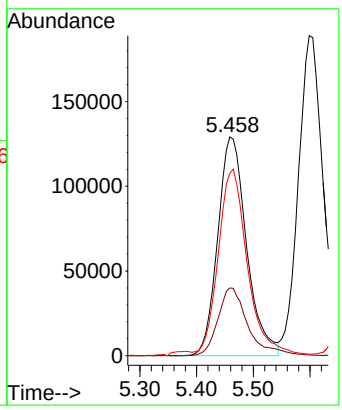




#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 45611

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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Reviewed By :John Carlone 09/17/2025
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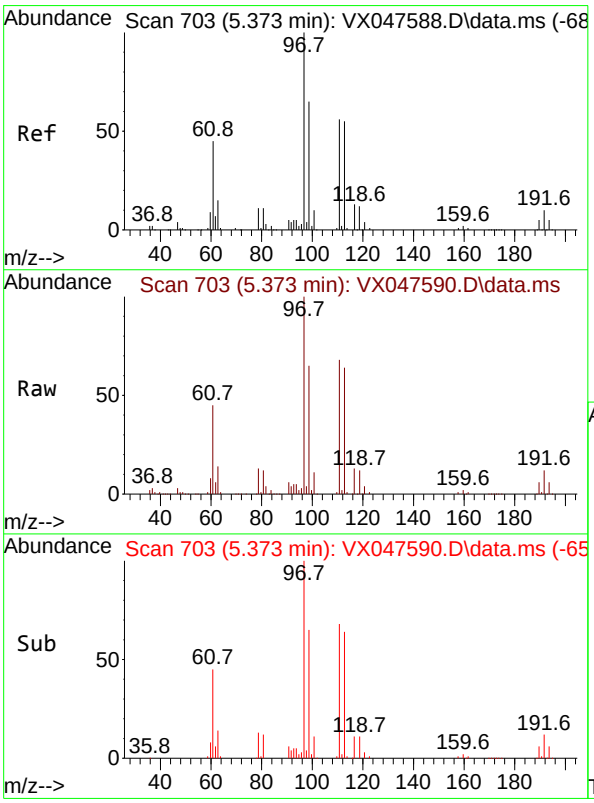
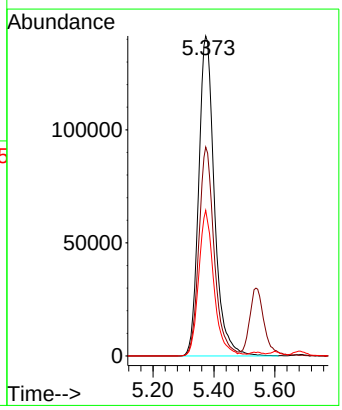
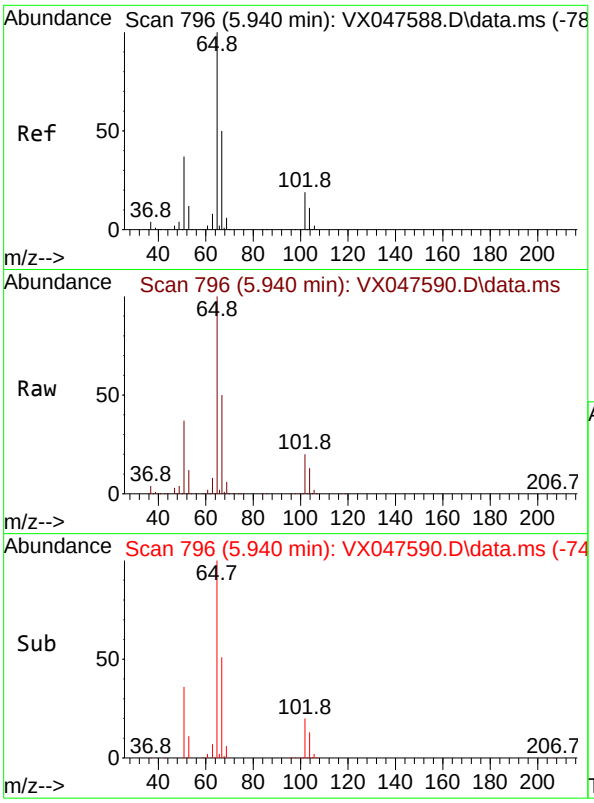


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8

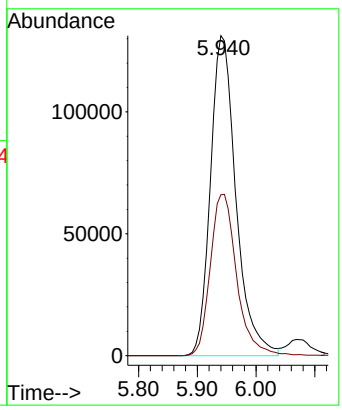




#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 65 Resp: 39662

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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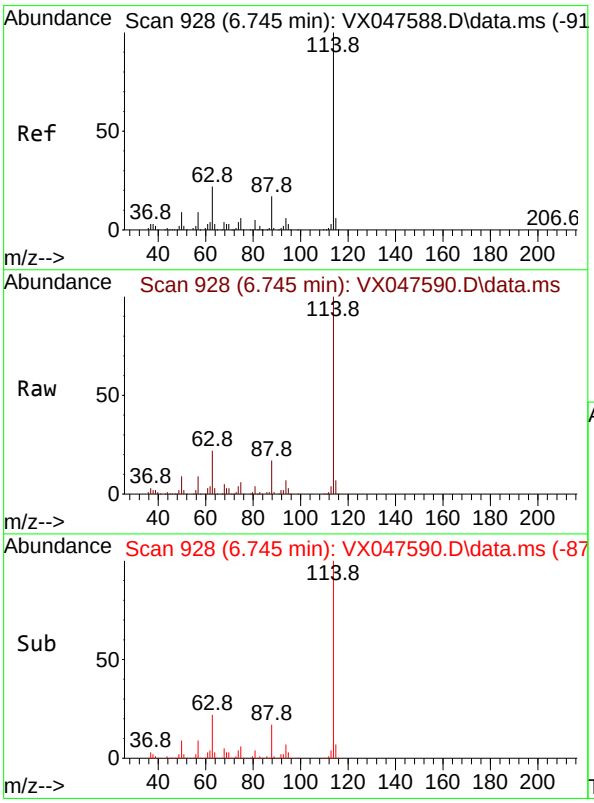
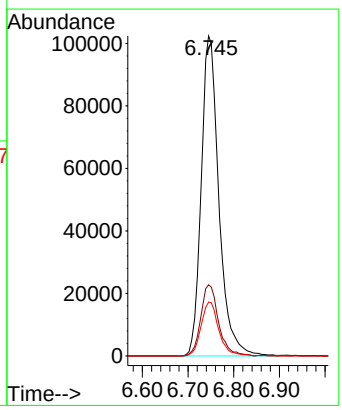
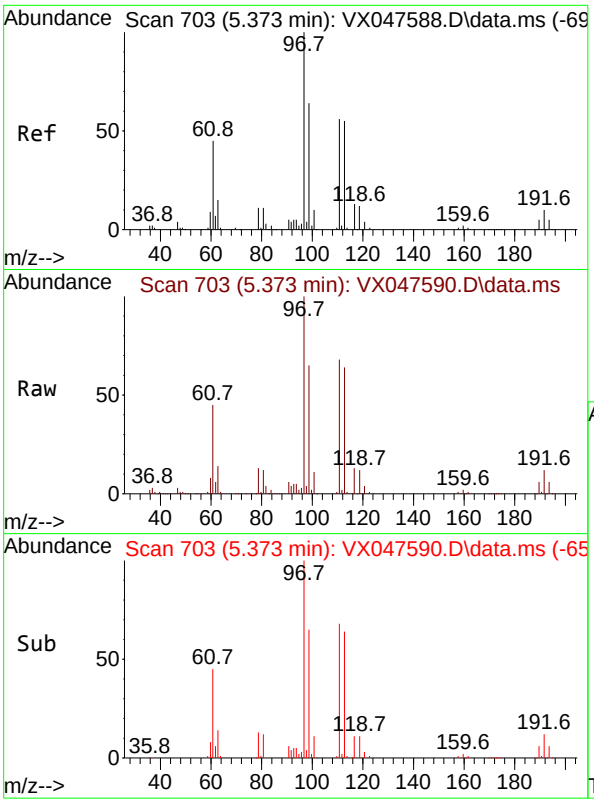


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

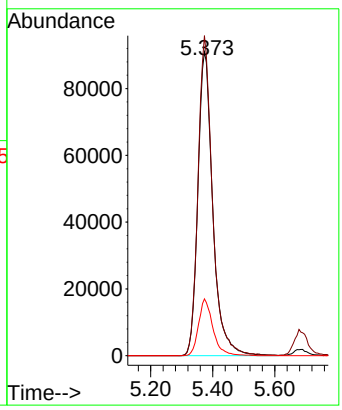




#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:113 Resp: 30372

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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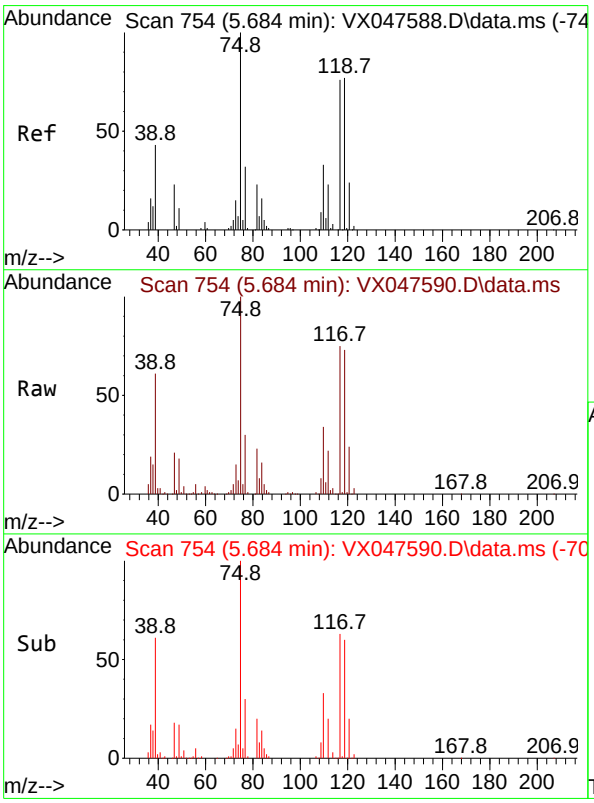
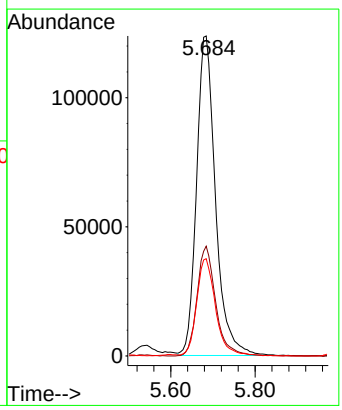
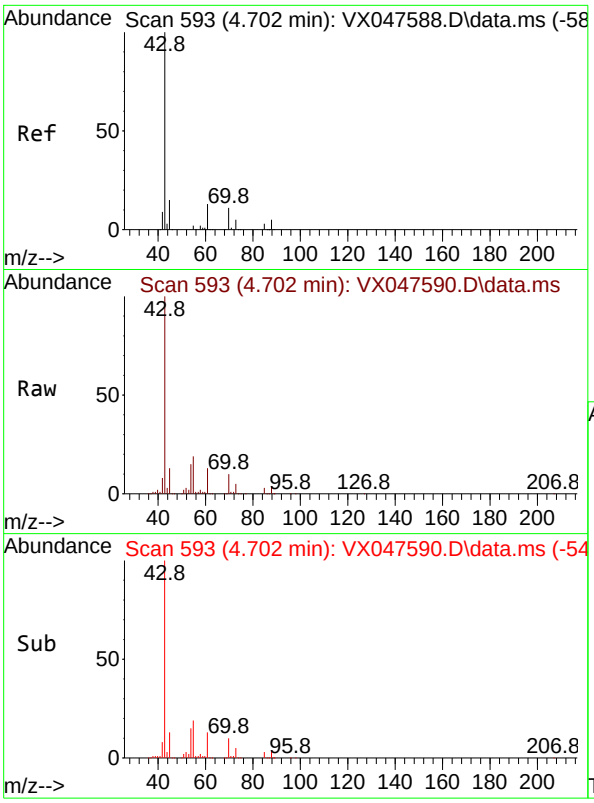


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 44446

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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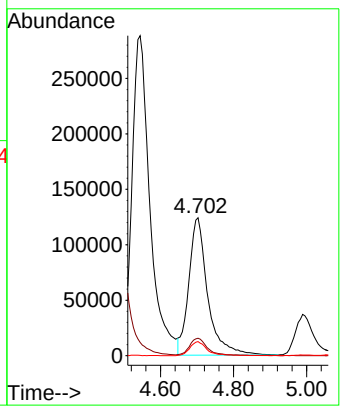
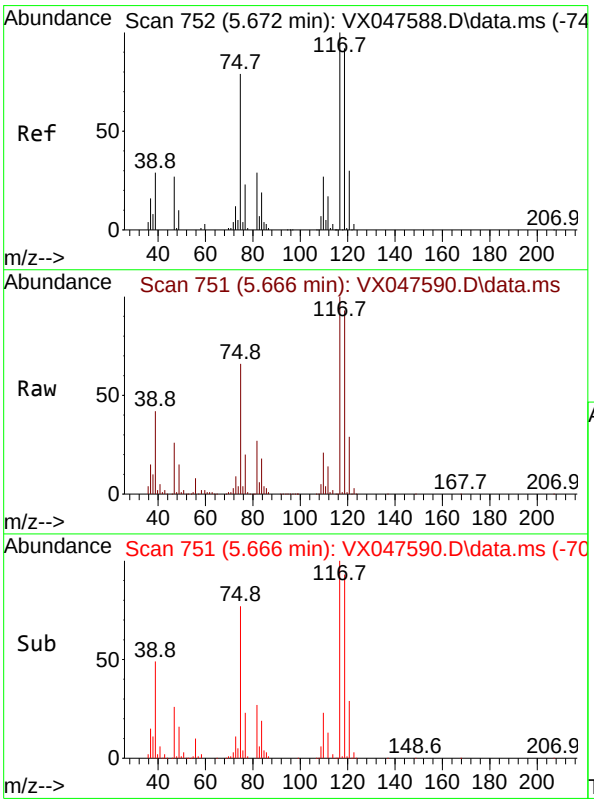
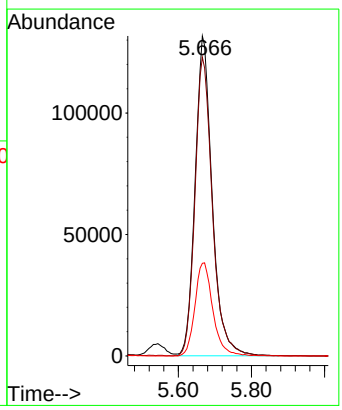


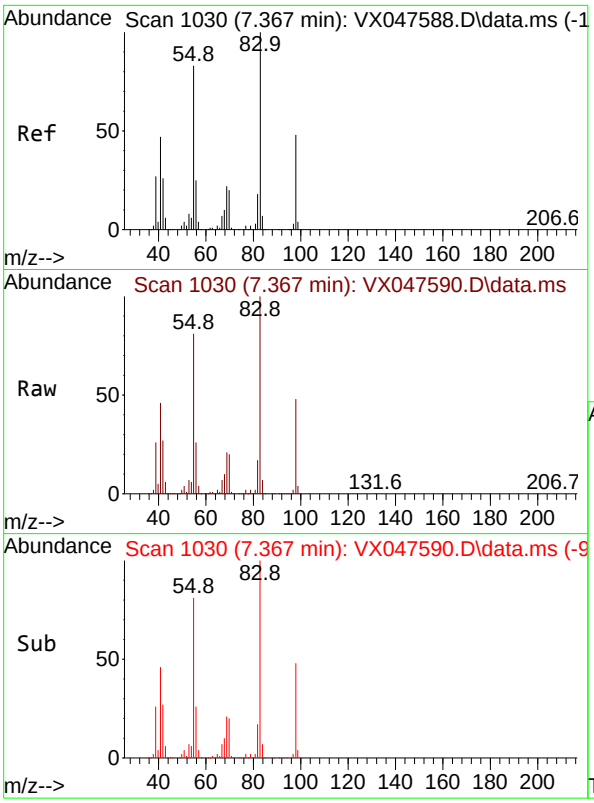


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6





#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 45669

Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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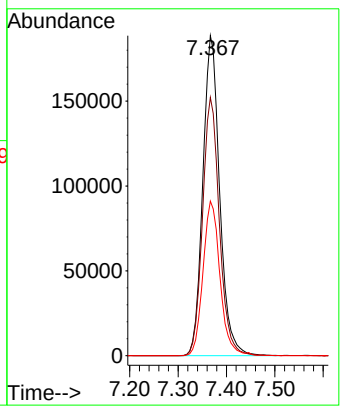
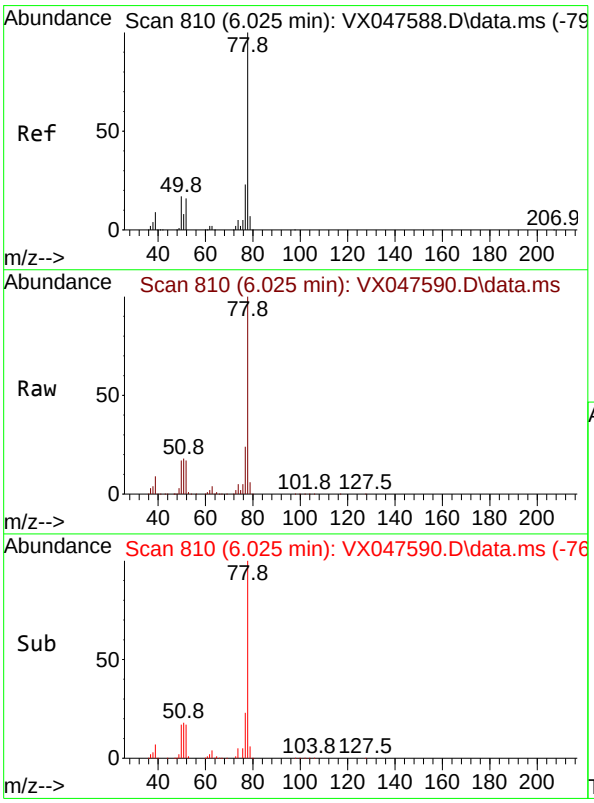
Supervised By :Mahesh Dadoda 09/18/2025

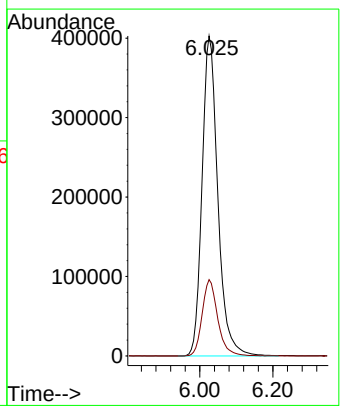


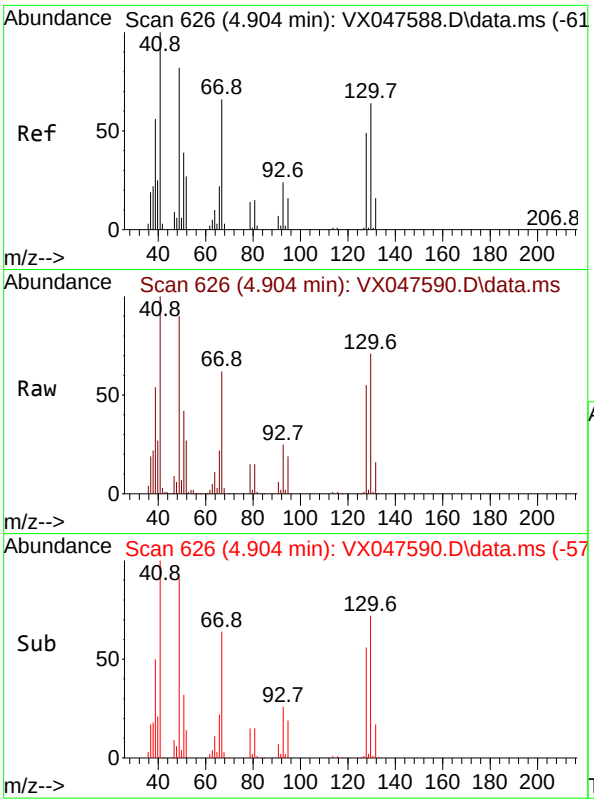


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

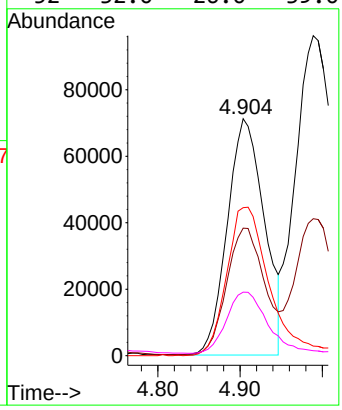




#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 22321

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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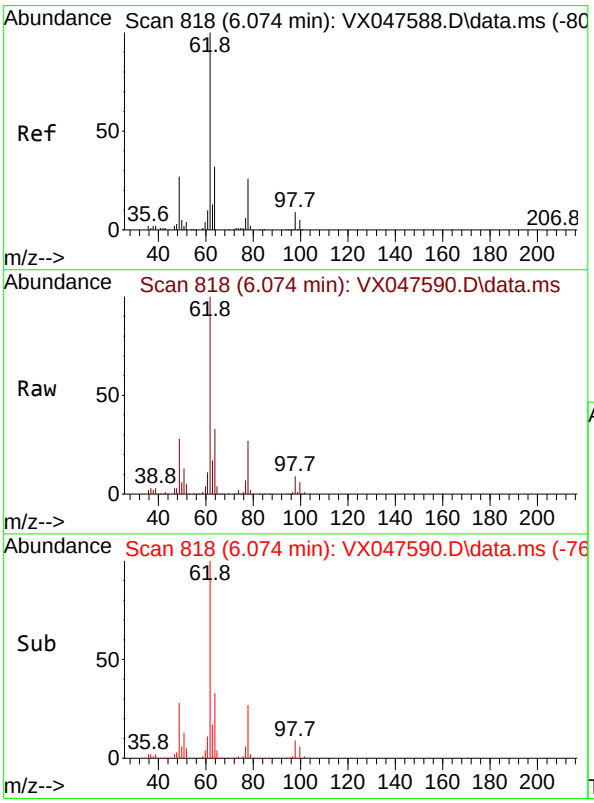
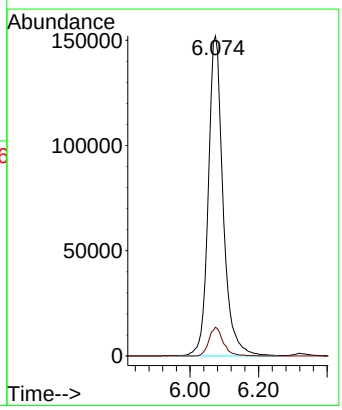
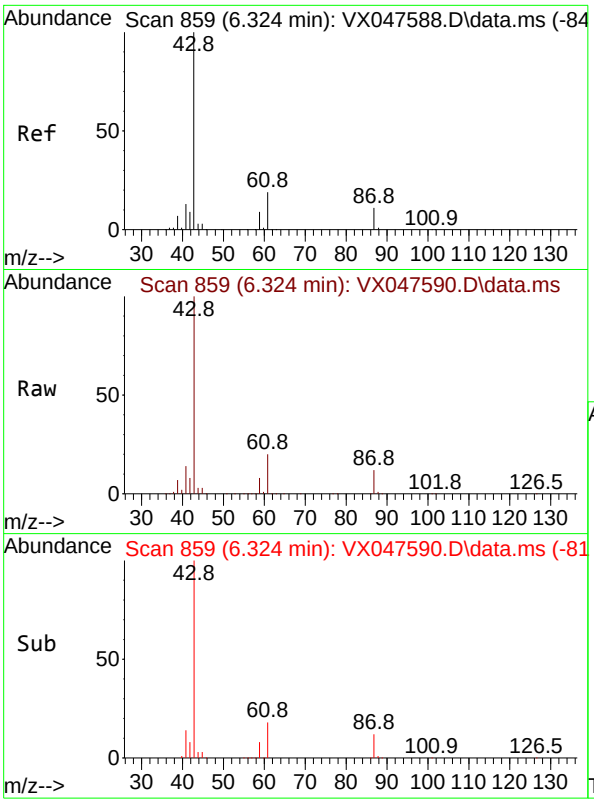


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

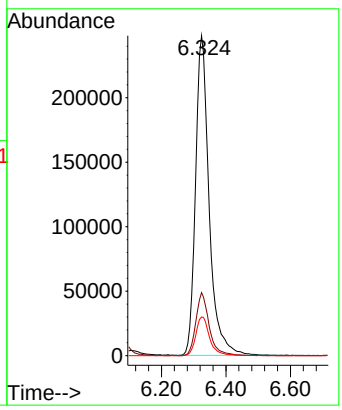




#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 72488

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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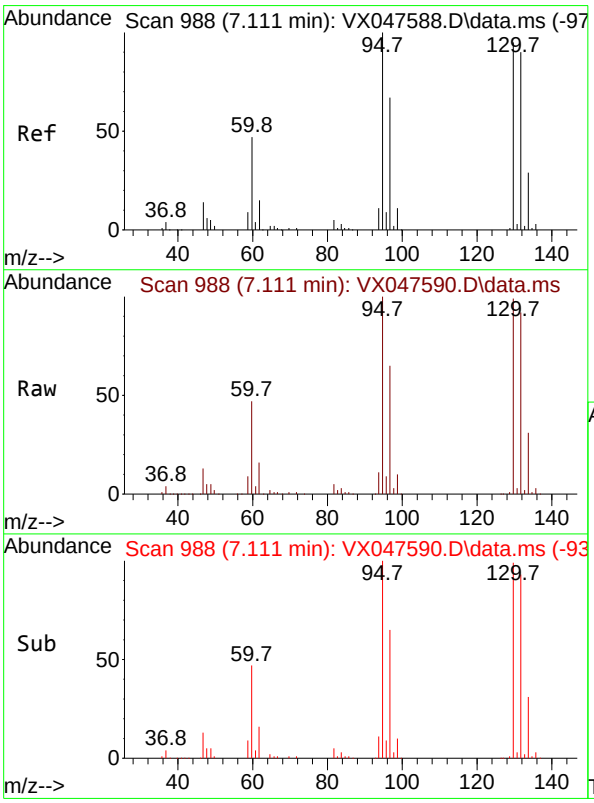
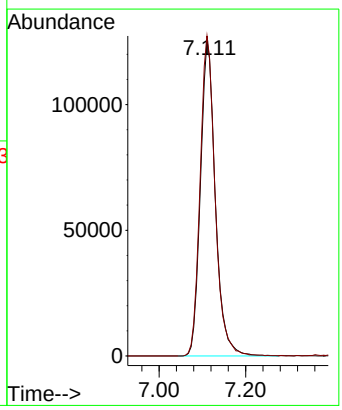
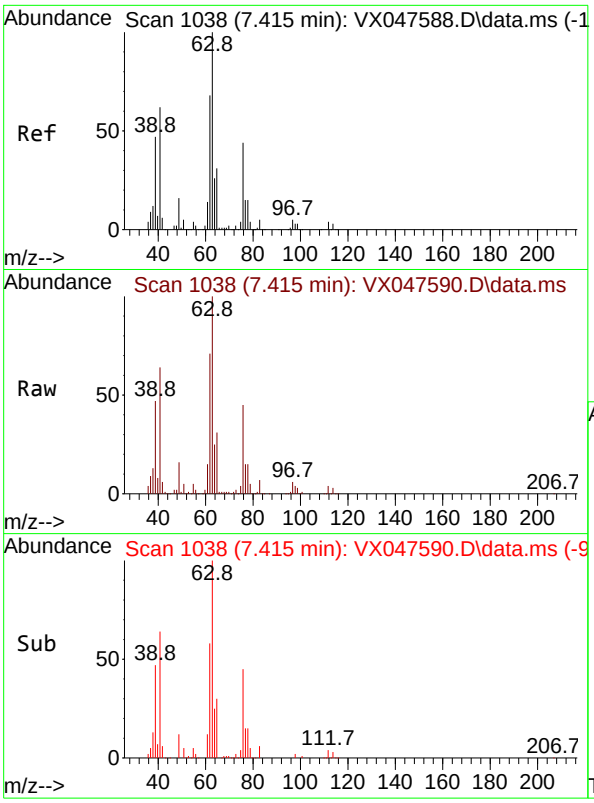


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 31672

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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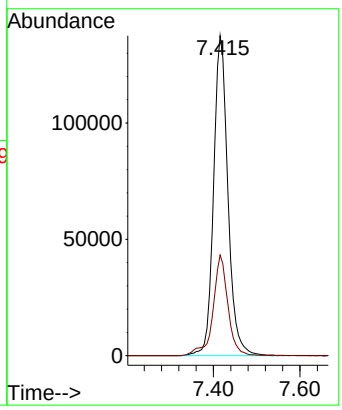
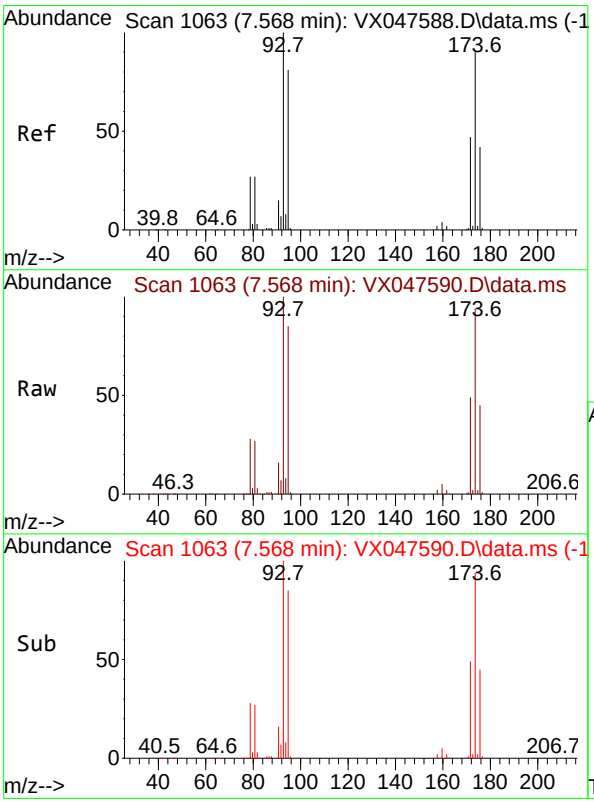
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

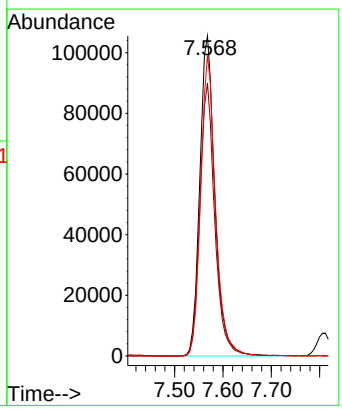


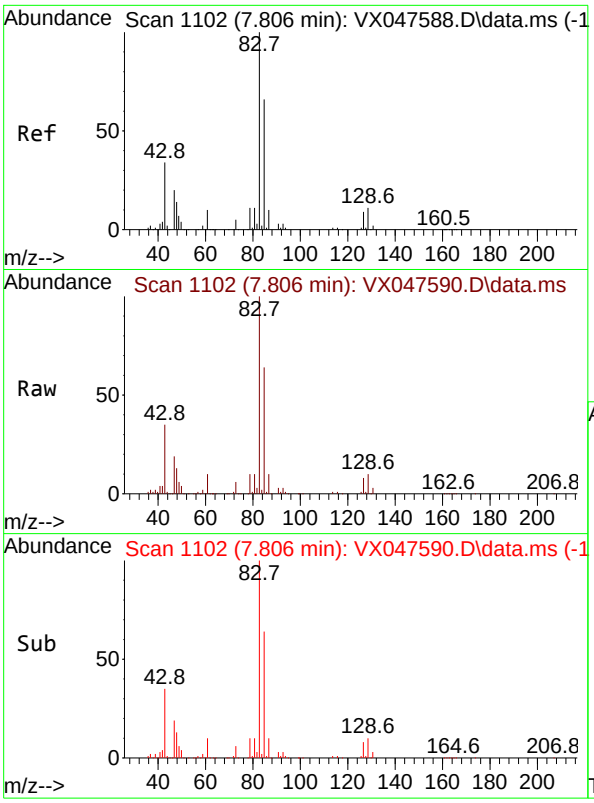


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4

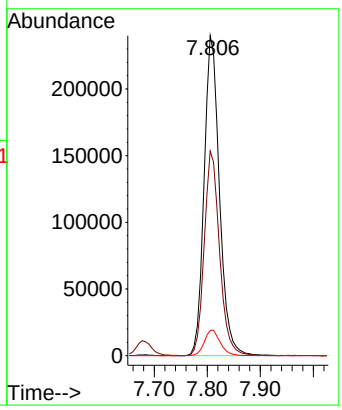




#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 48343

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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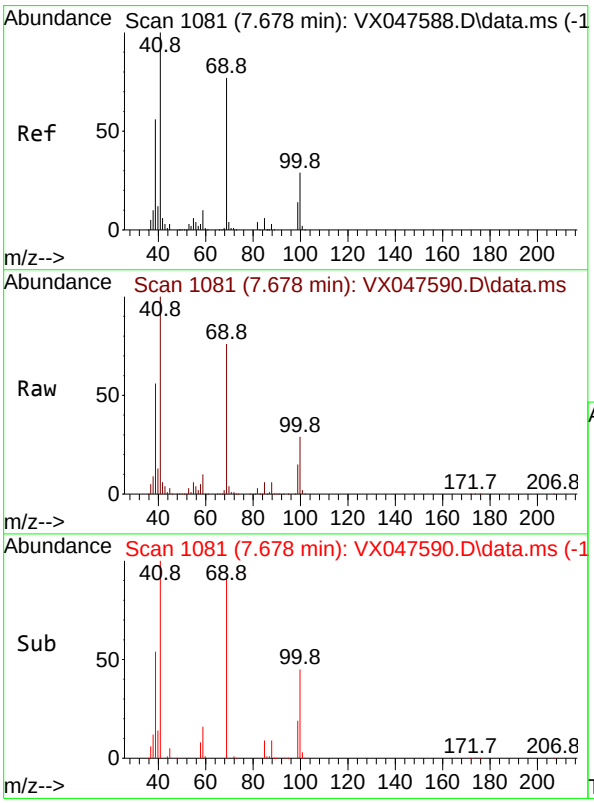
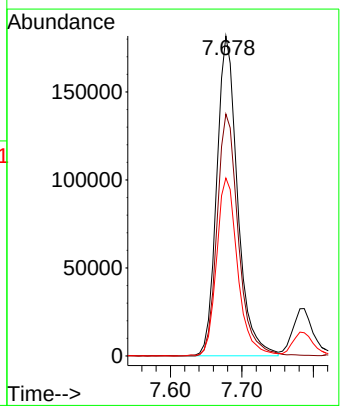
Supervised By :Mahesh Dadoda 09/18/2025

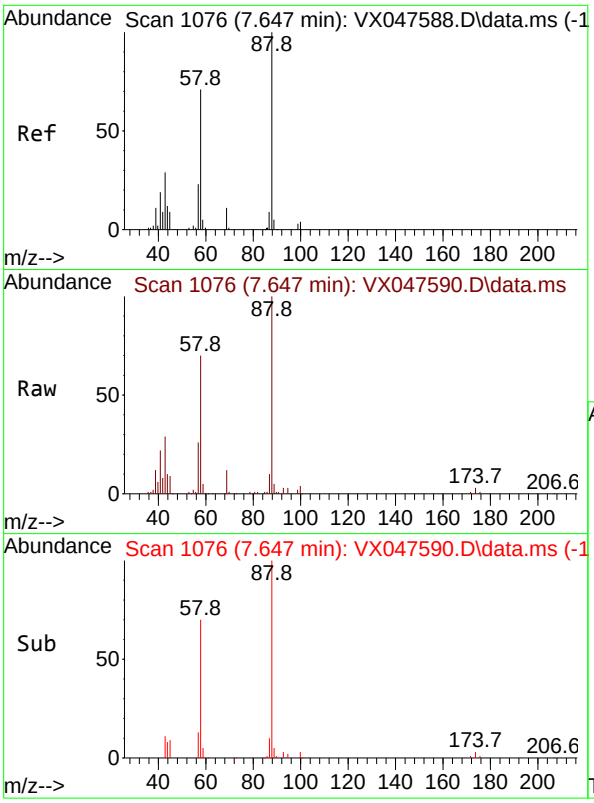


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6

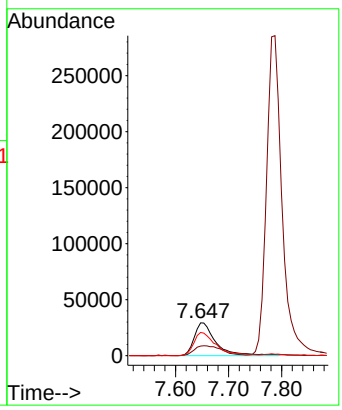




#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 88 Resp: 8273

Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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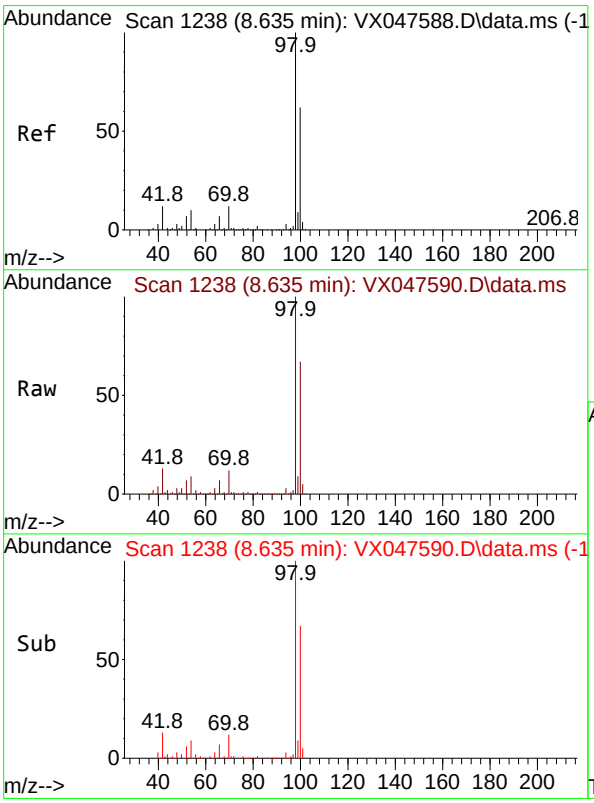
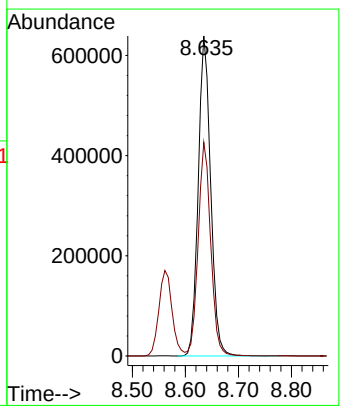
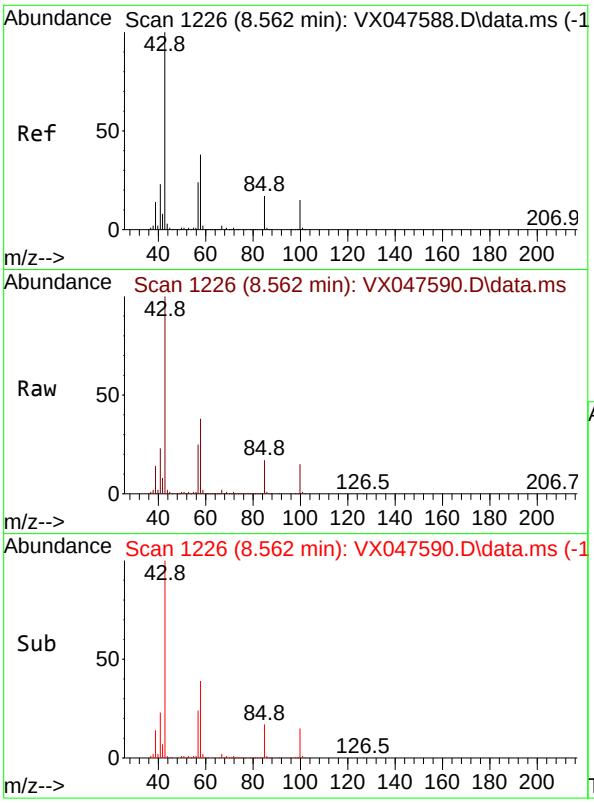


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

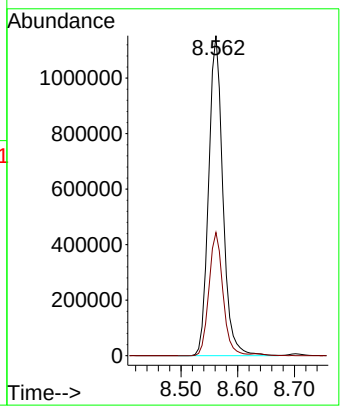




#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 200806

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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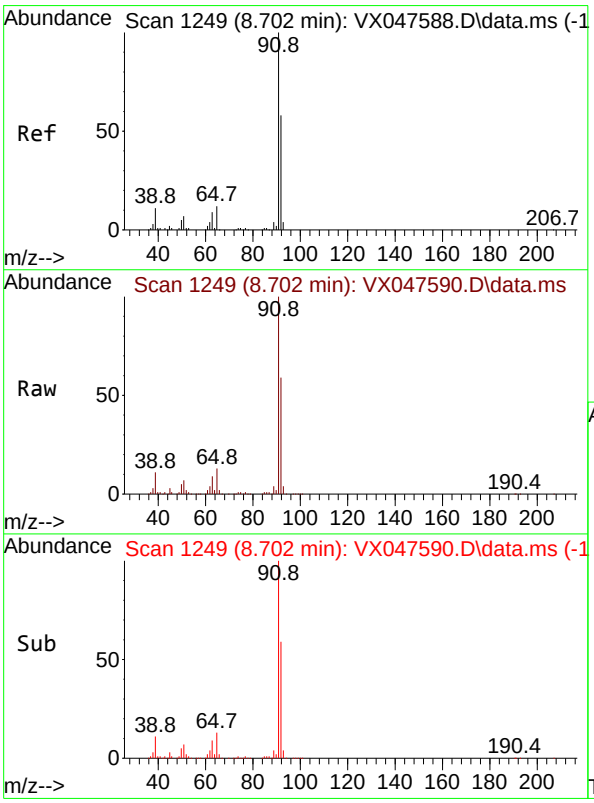
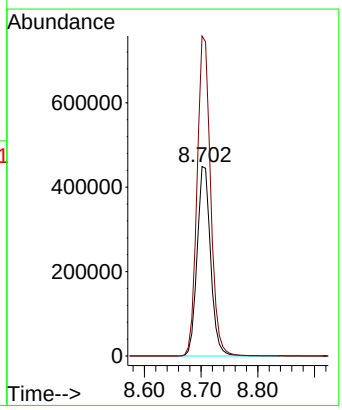
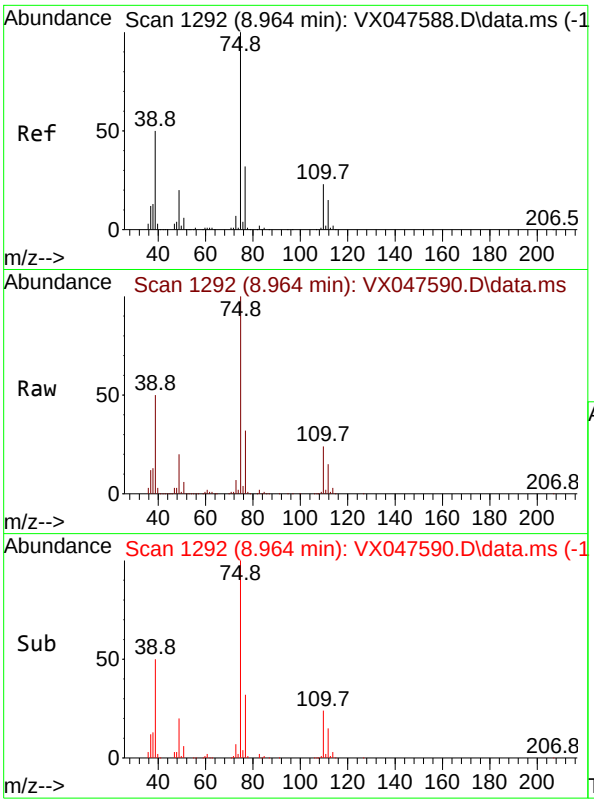


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

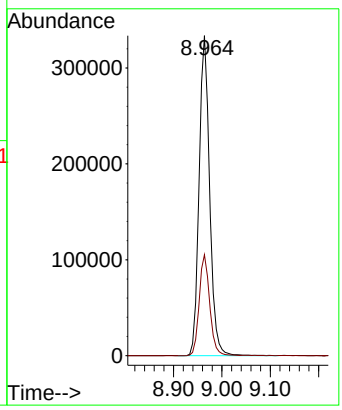




#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 50391

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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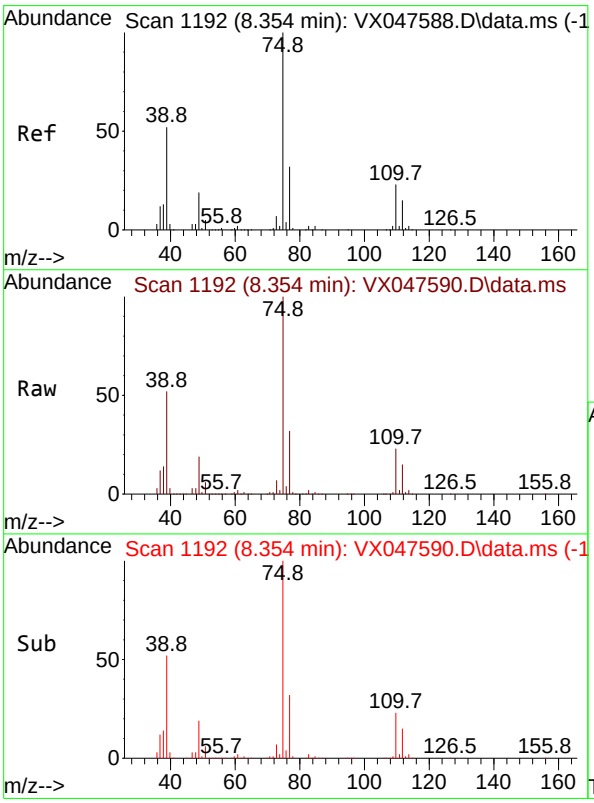
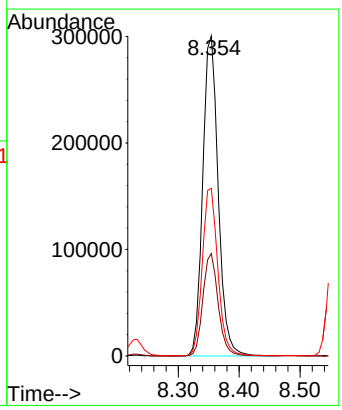
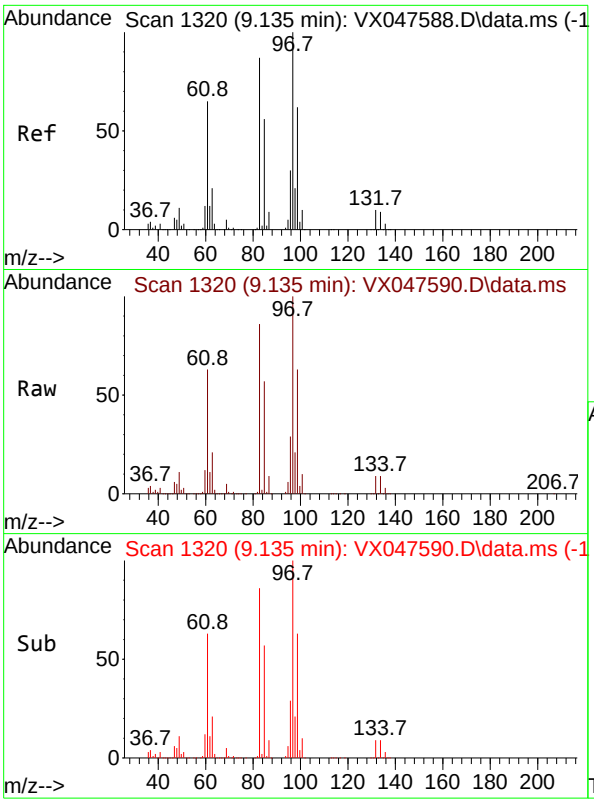


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2

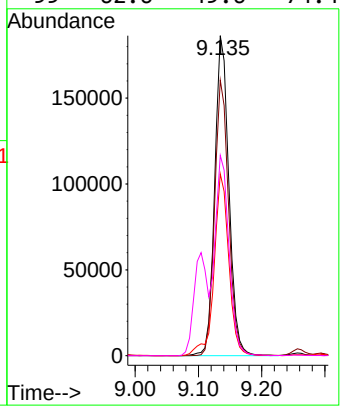




#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 28910

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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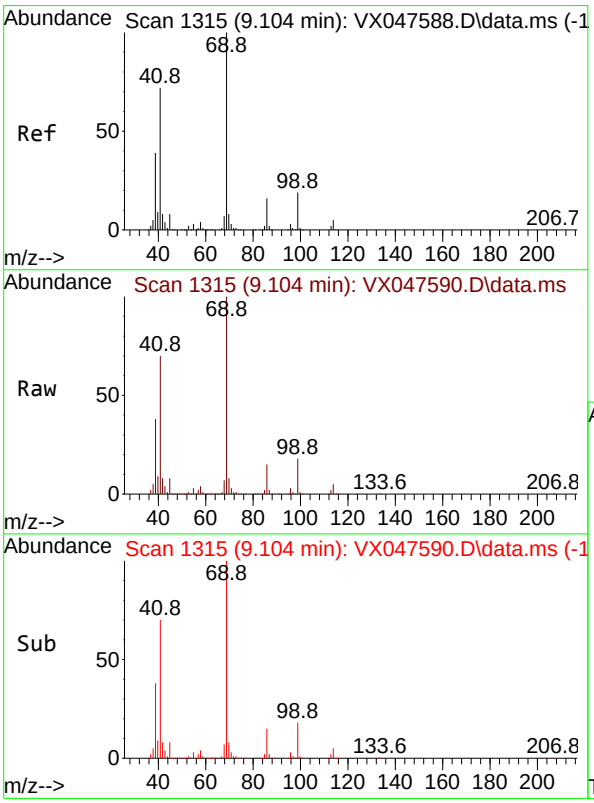
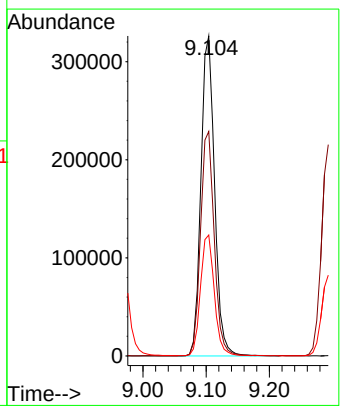
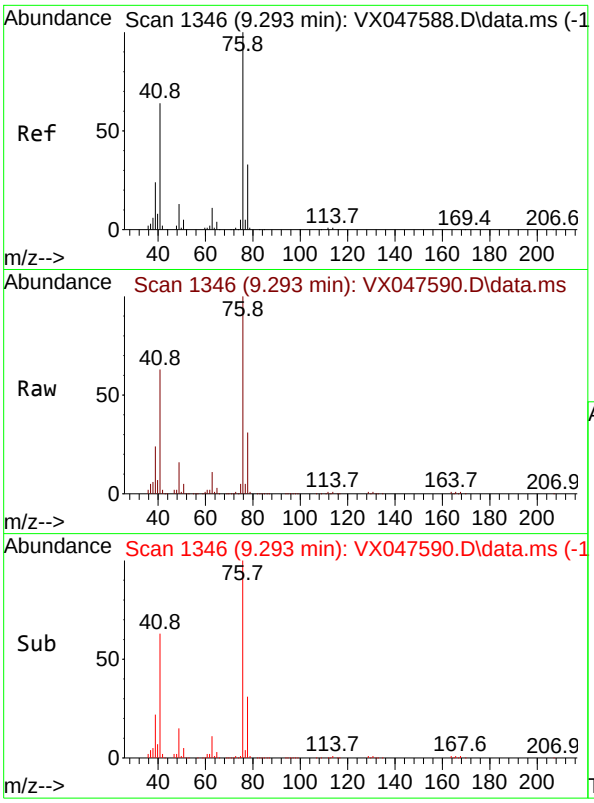


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3

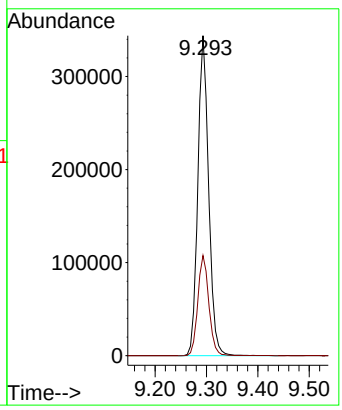




#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 50212

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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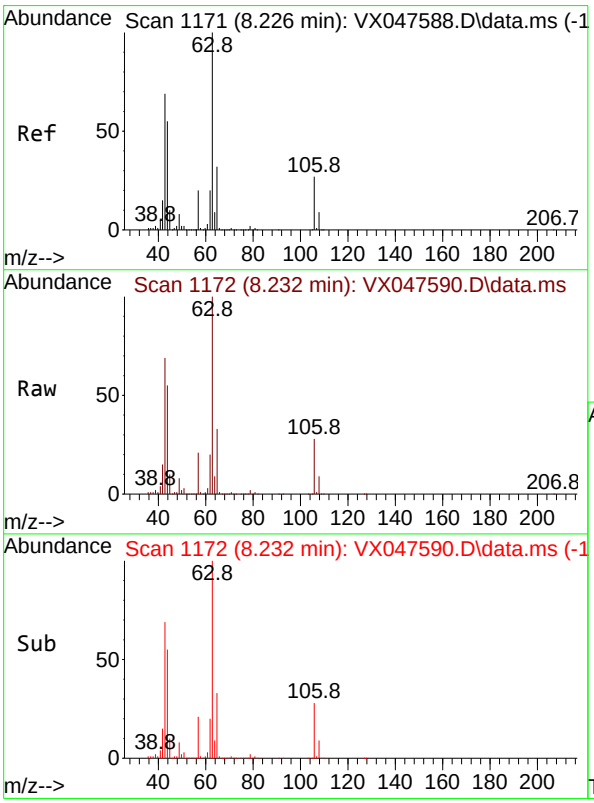
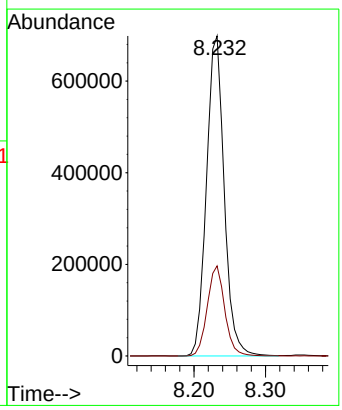
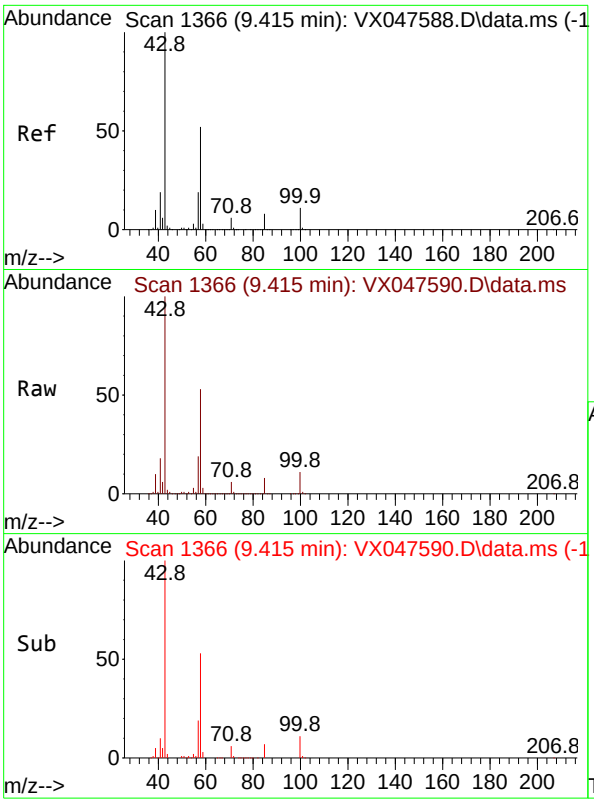


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9

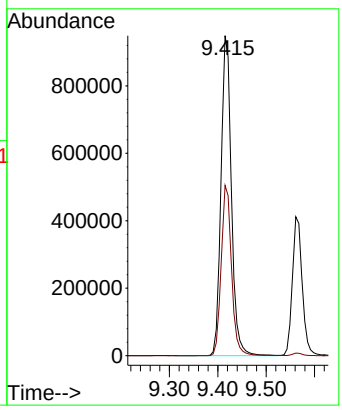




#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 141241

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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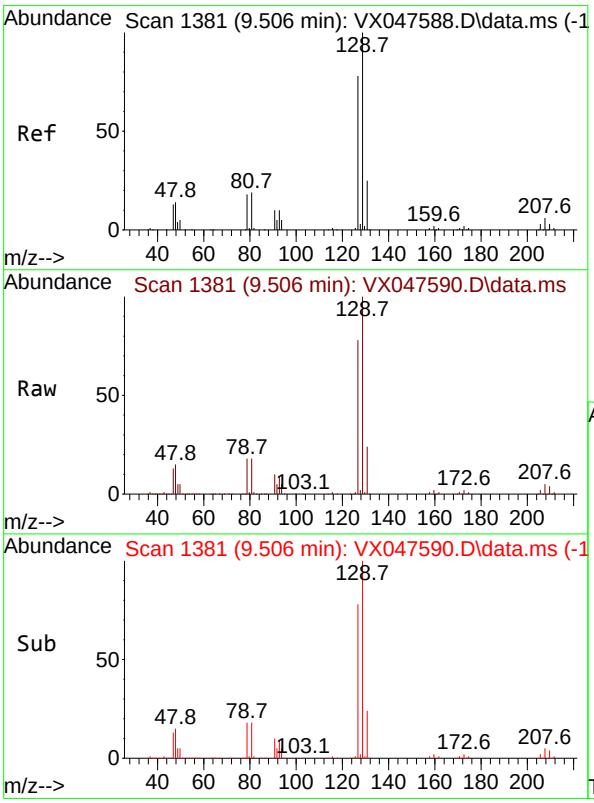
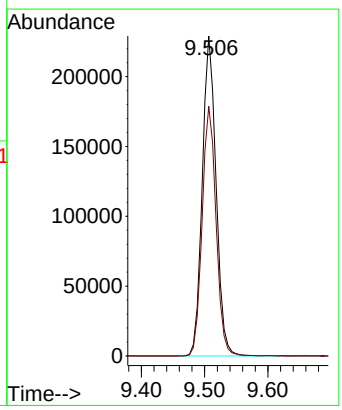
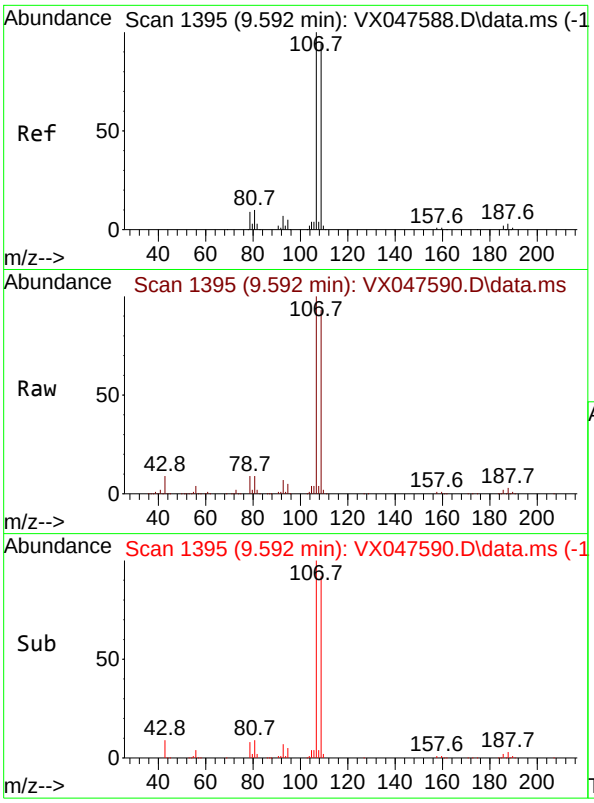


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2





#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:107 Resp: 30271

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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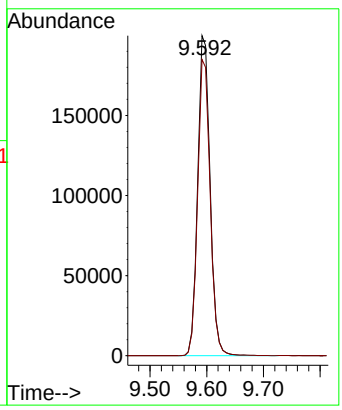
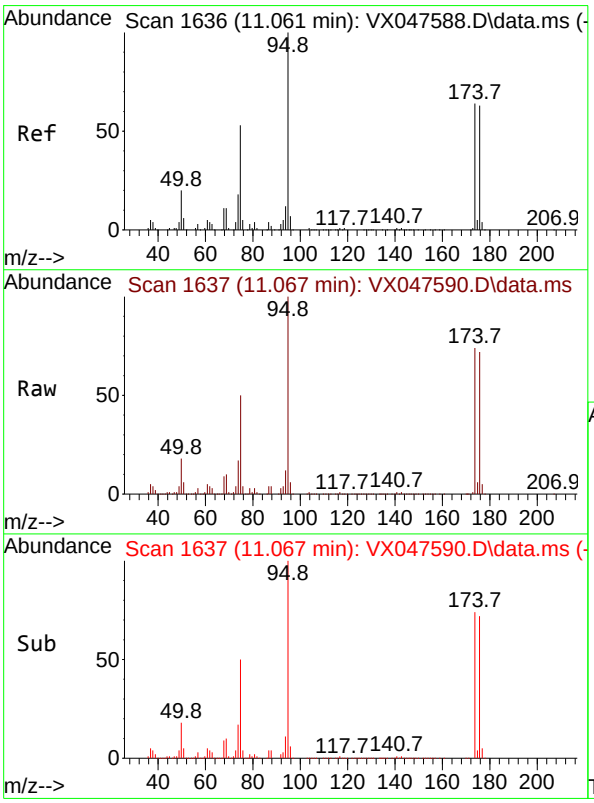
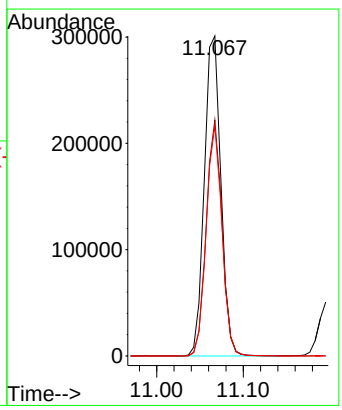


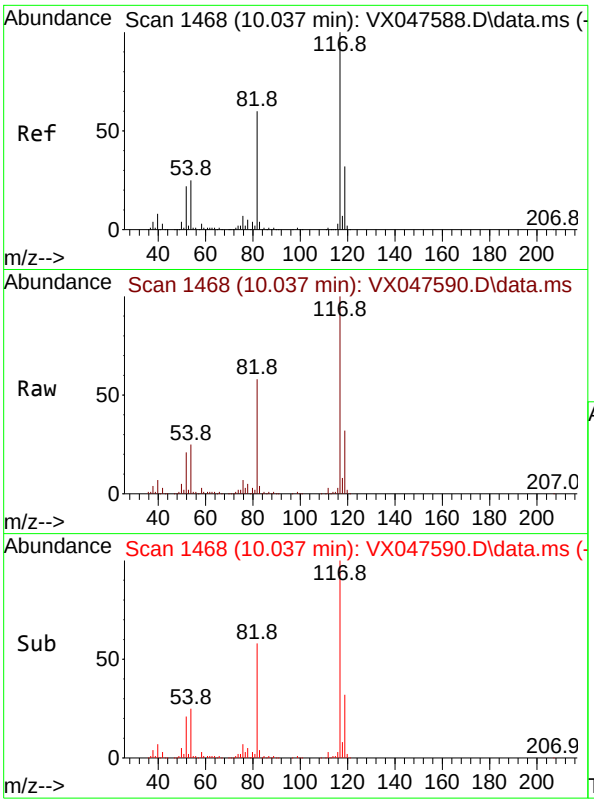


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 241818

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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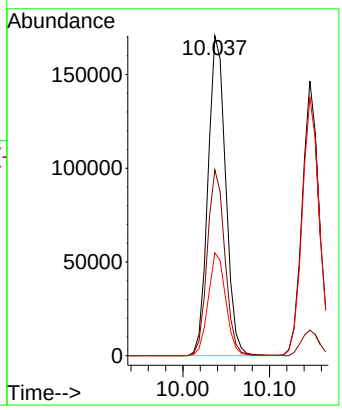
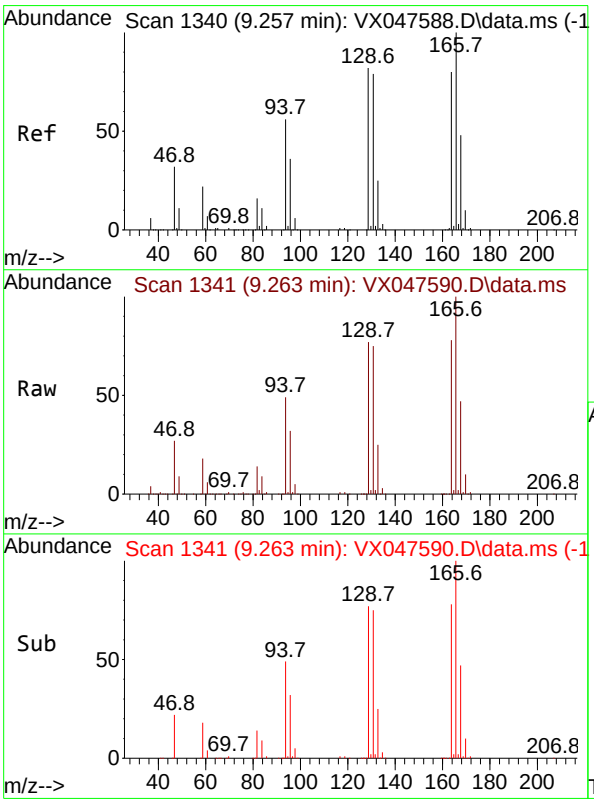
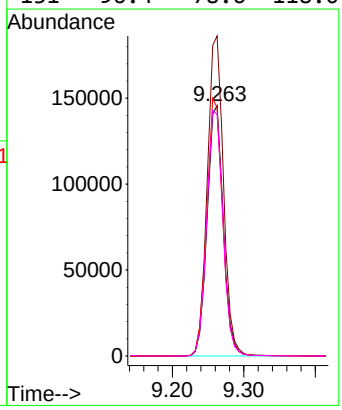


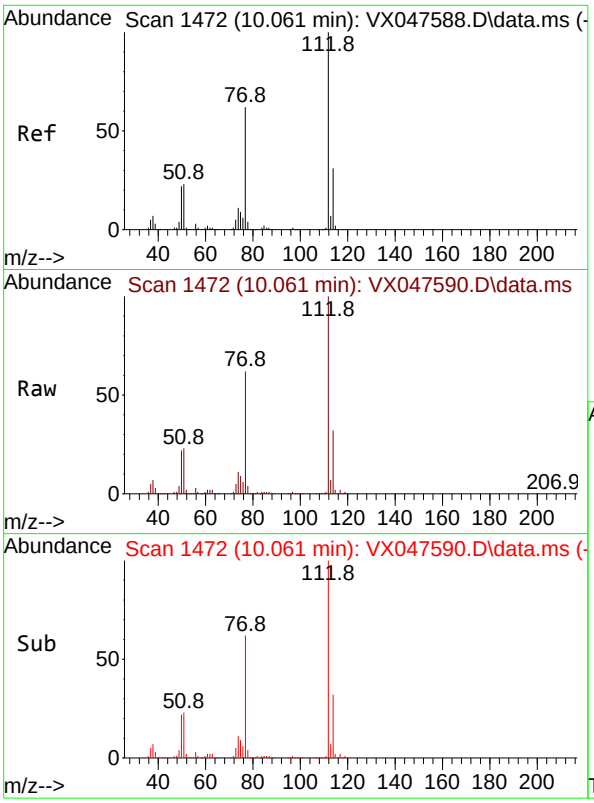


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0

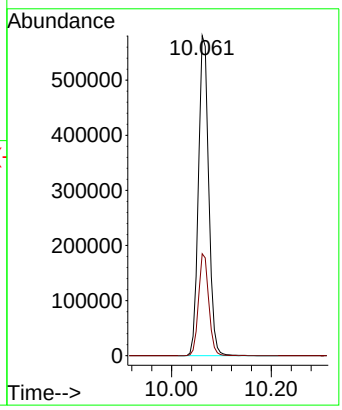




#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:112 Resp: 82823

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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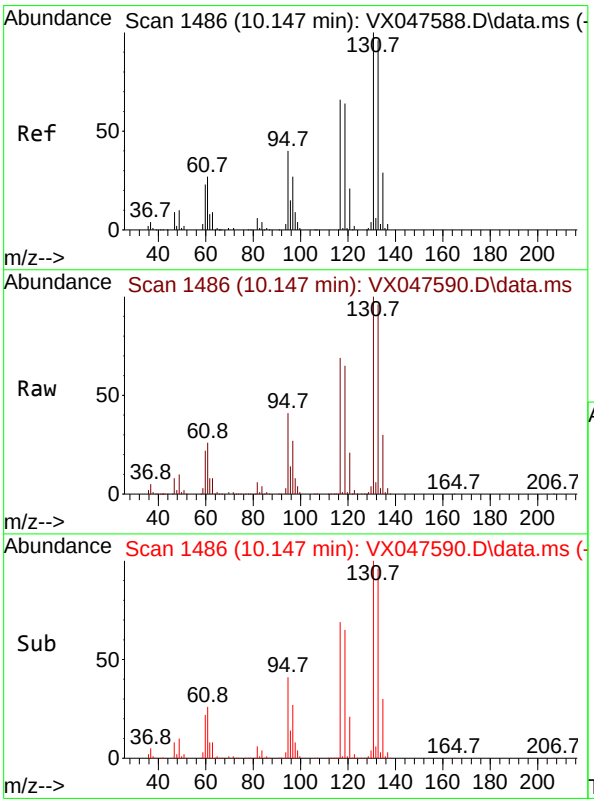
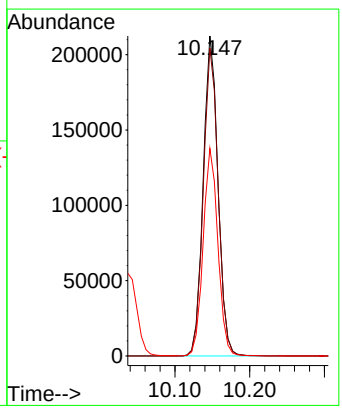
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

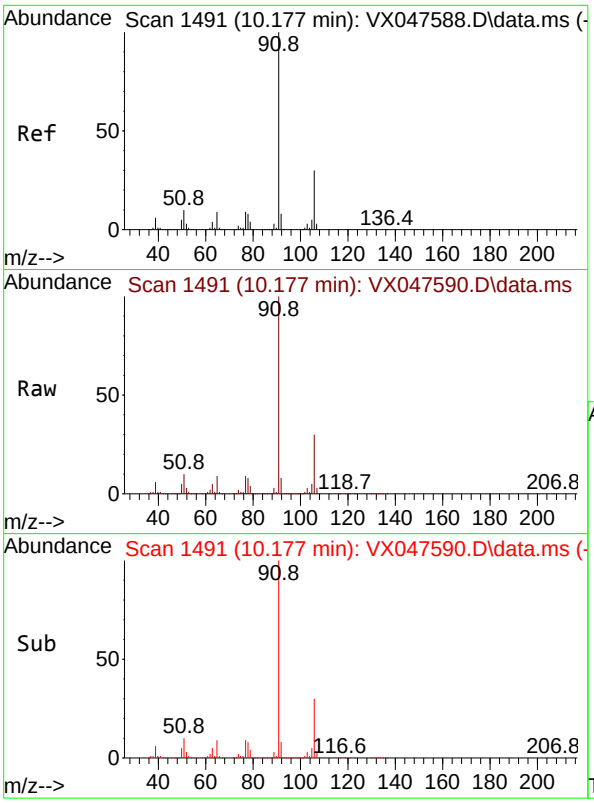


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0

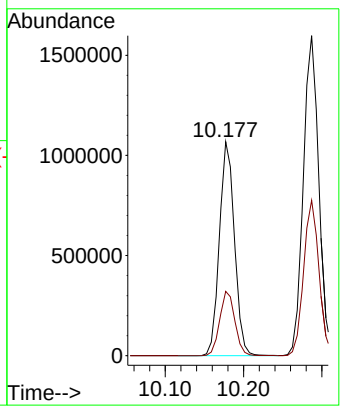




#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 143155

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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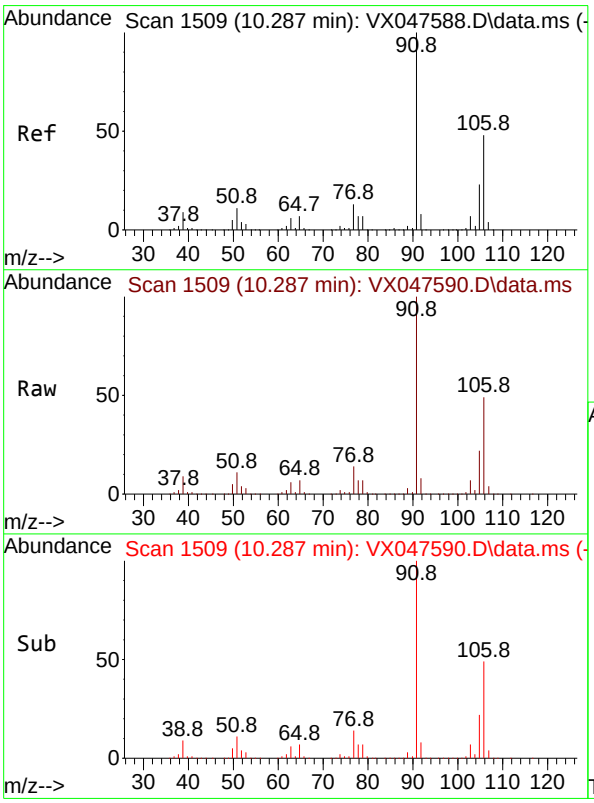
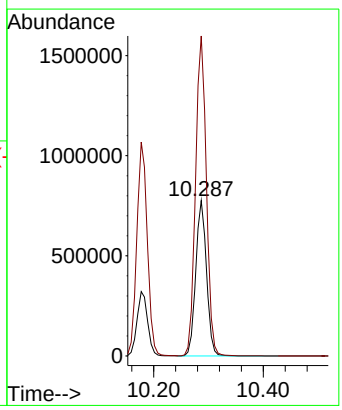
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

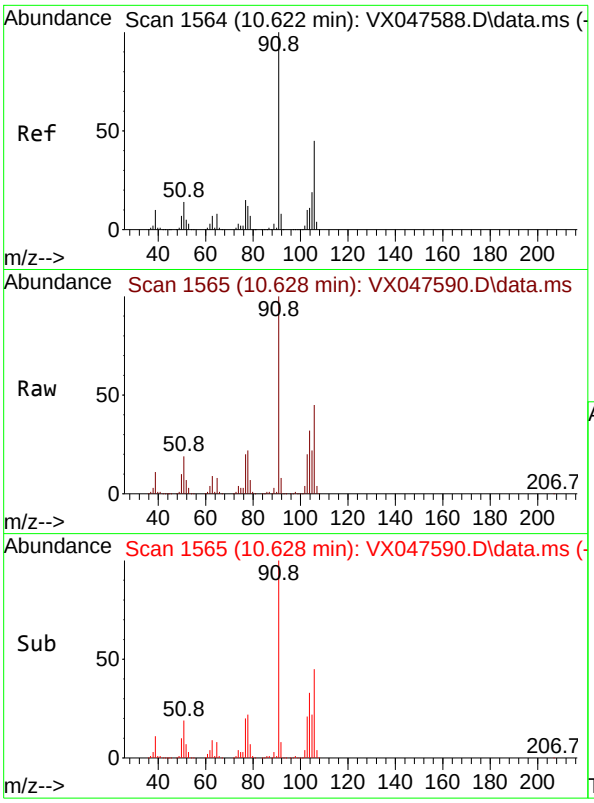


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8

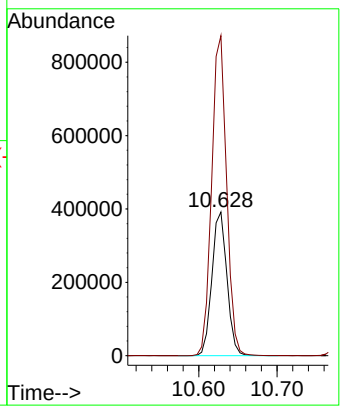




#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 52184

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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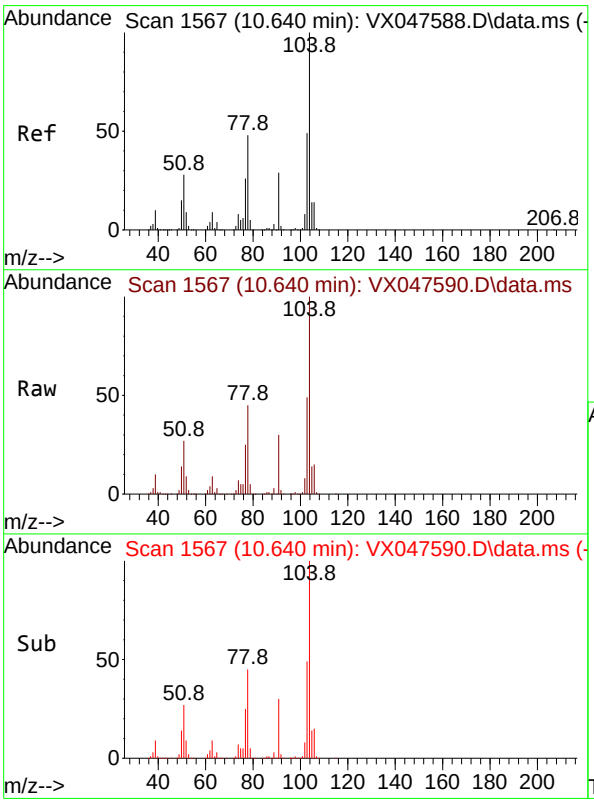
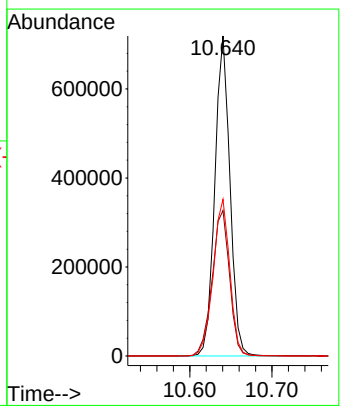
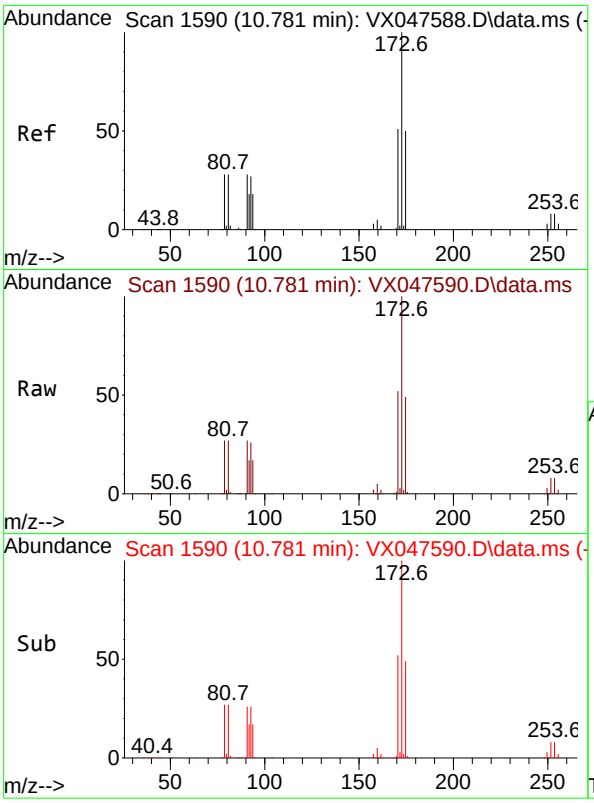


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7

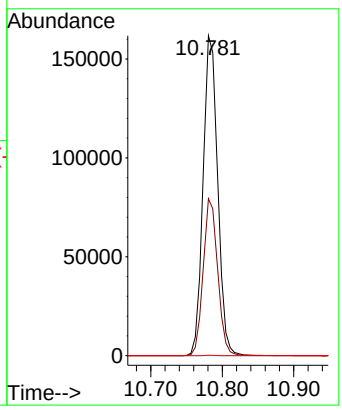




#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:173 Resp: 22968

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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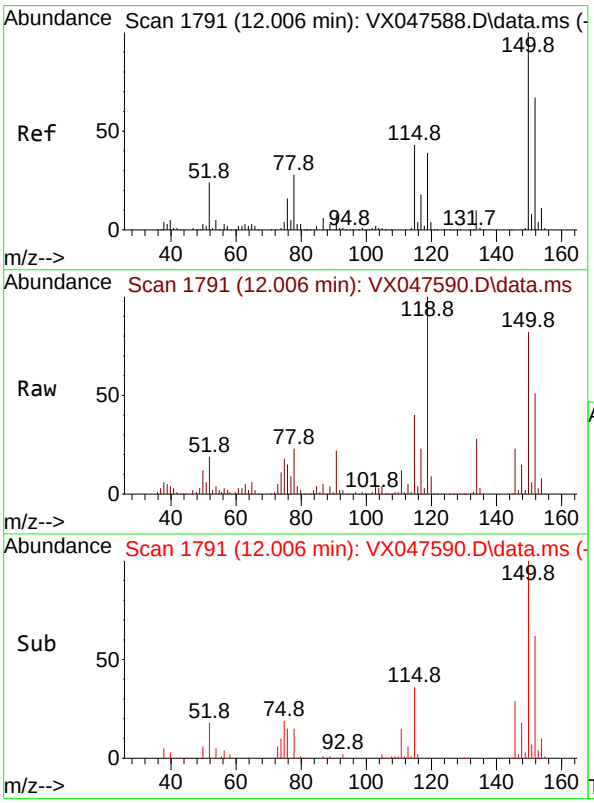
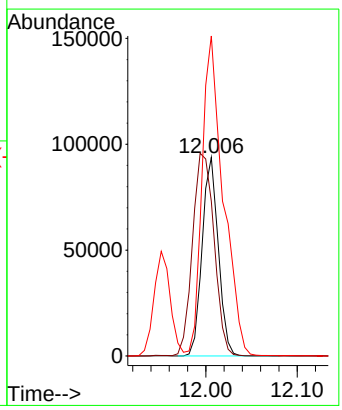
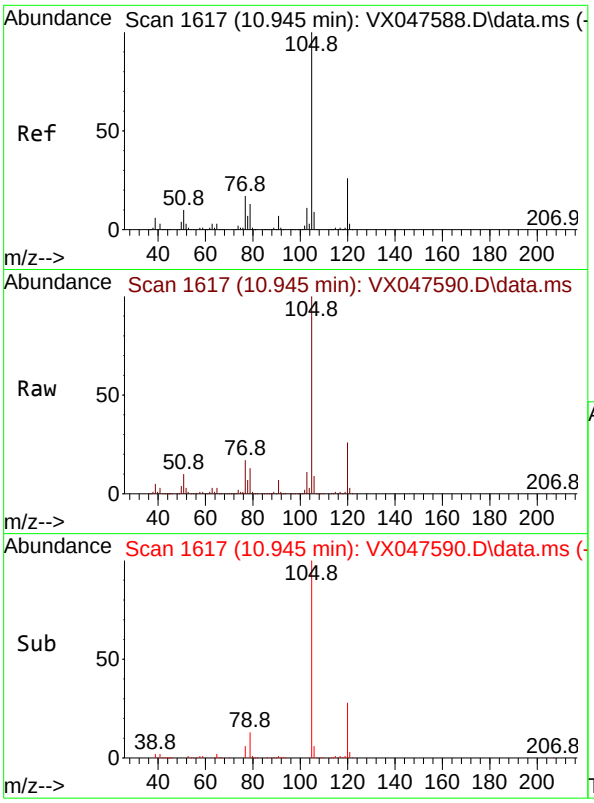


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0

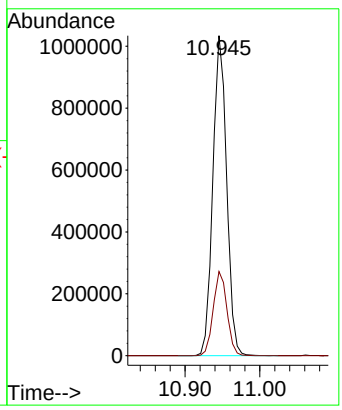




#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 132140

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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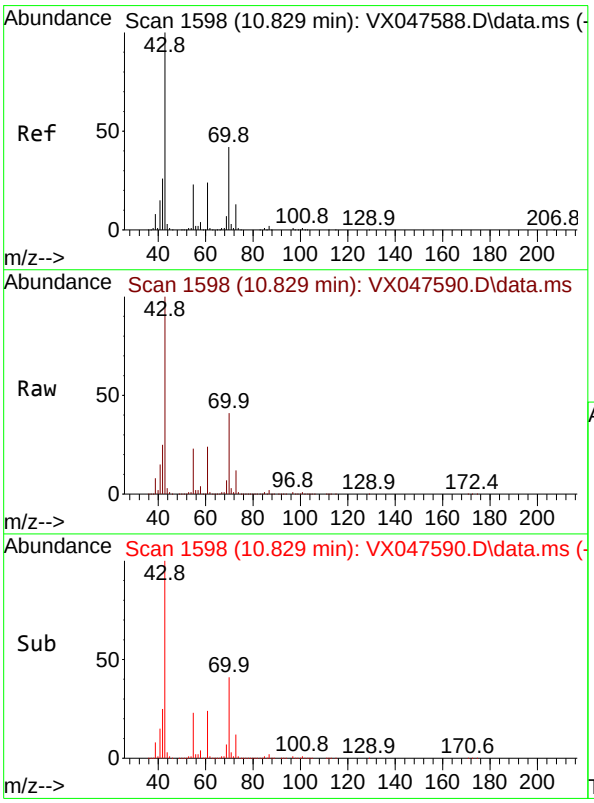
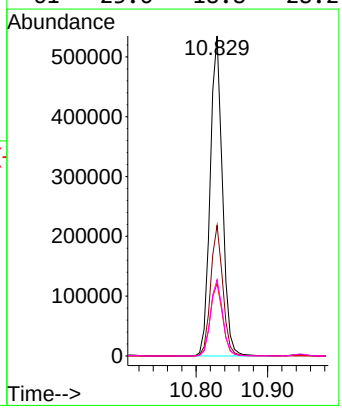
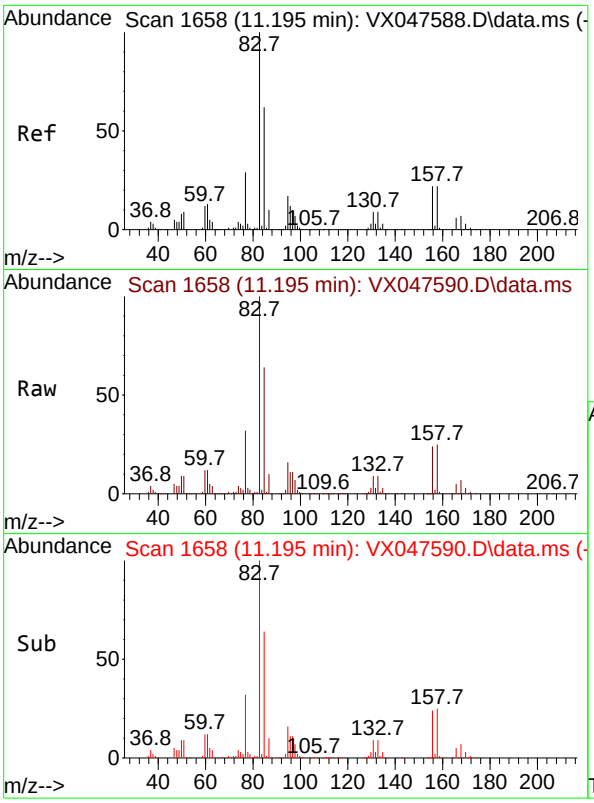


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 40390

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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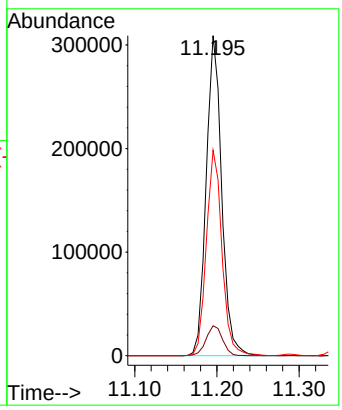
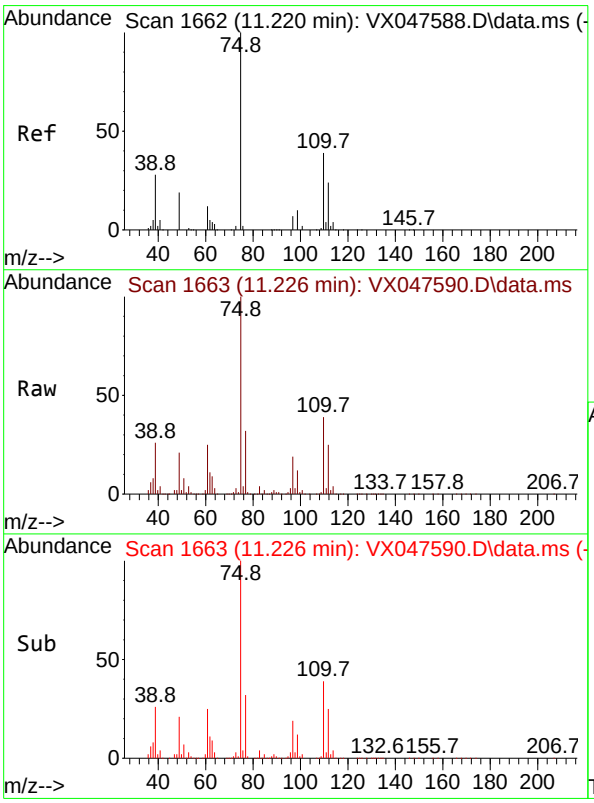
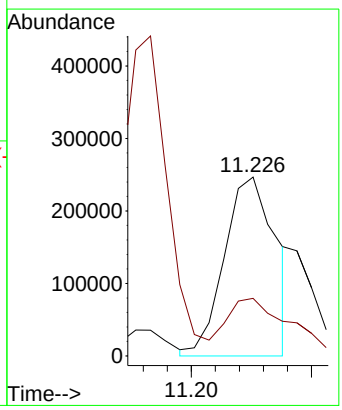


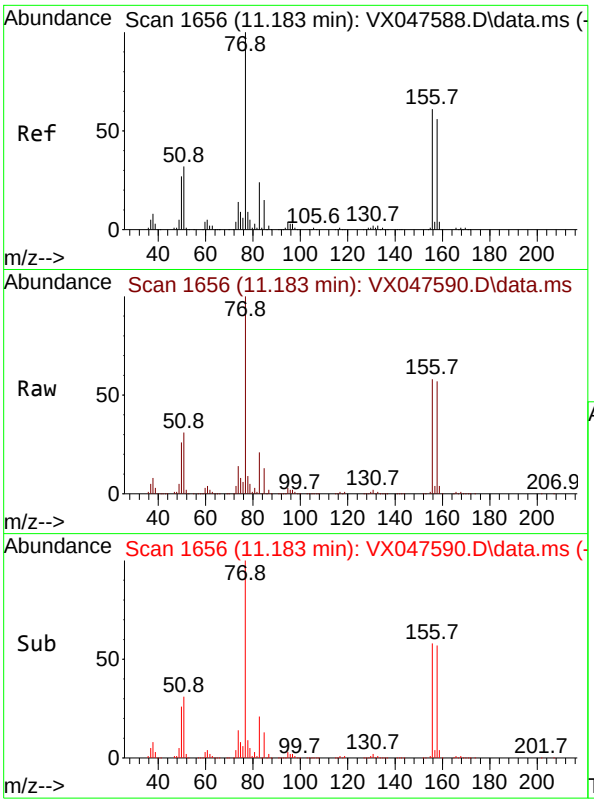


#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 366171

Ion	Ratio	Lower	Upper
75	100		
77	39.7	18.8	56.4

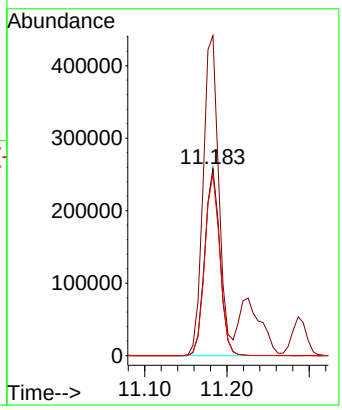




#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:156 Resp: 32833

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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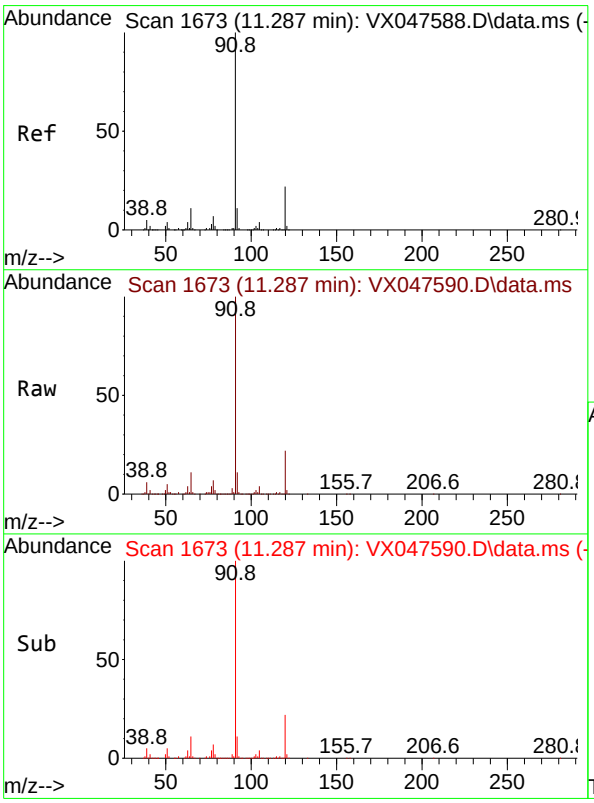
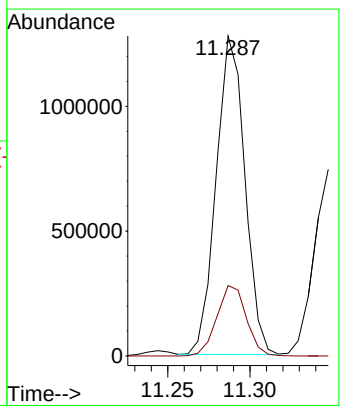
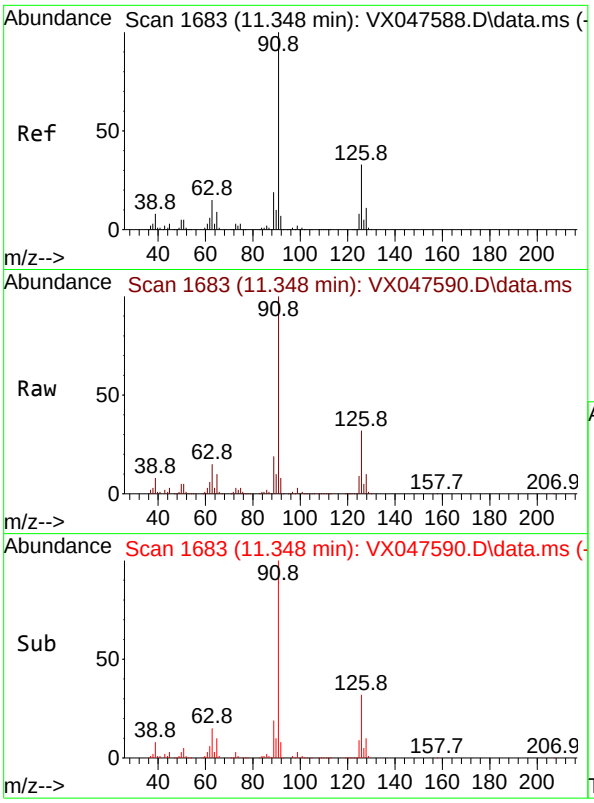


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

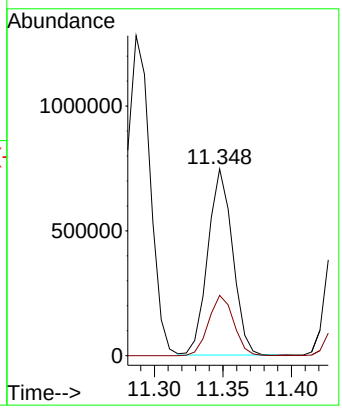




#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 93970

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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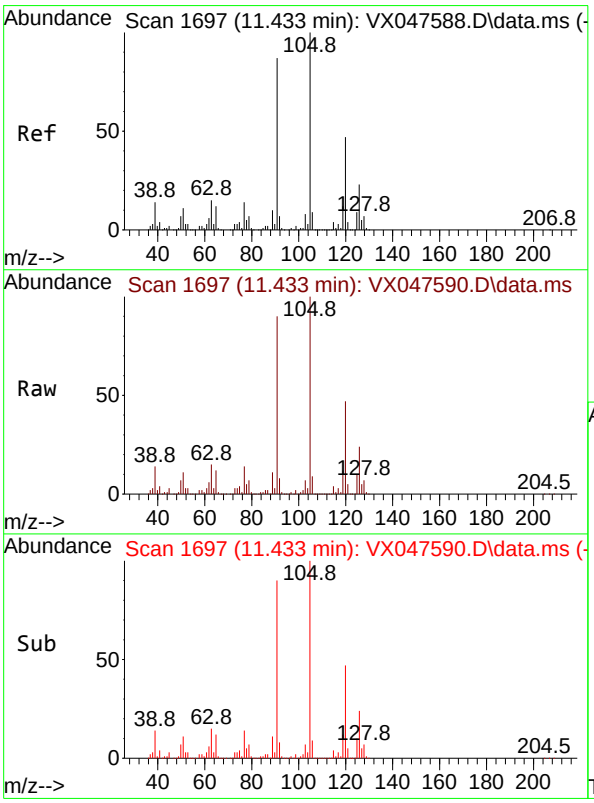
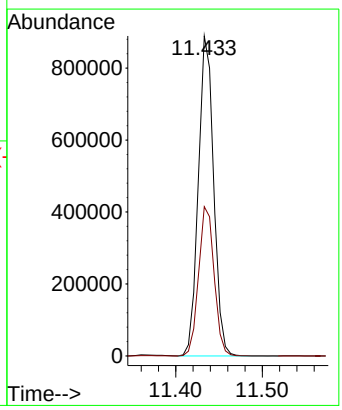
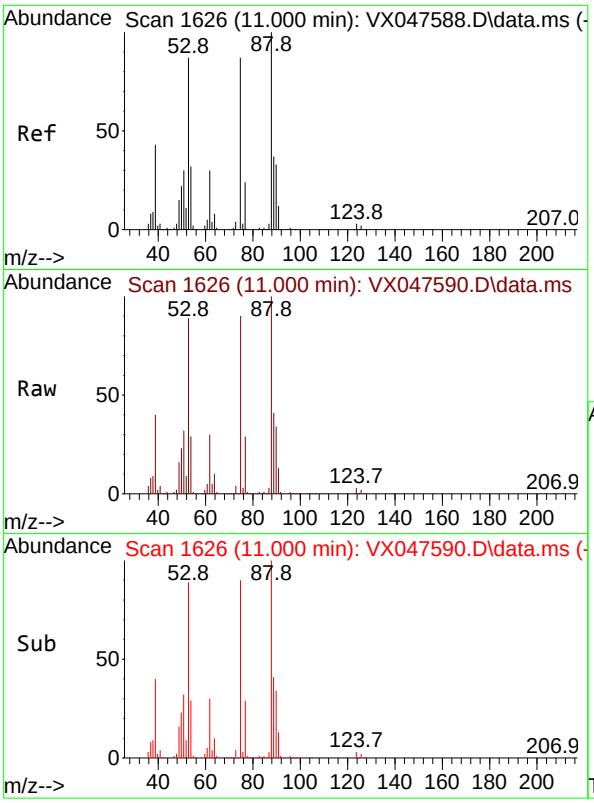


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 14592

Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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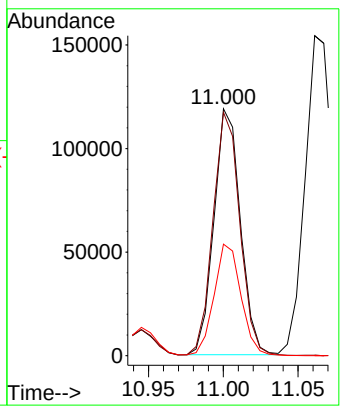
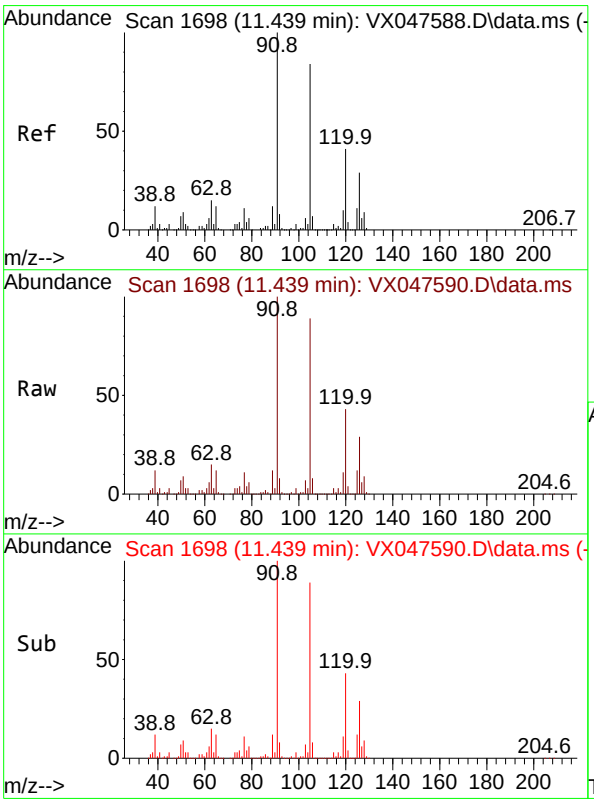
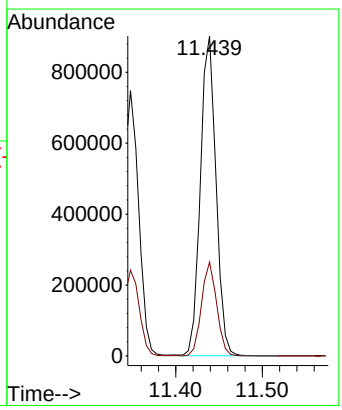


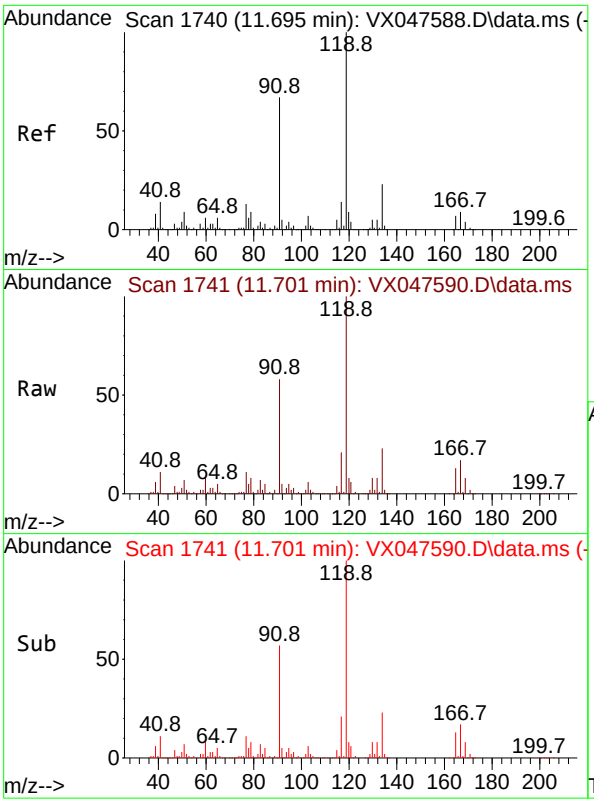


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

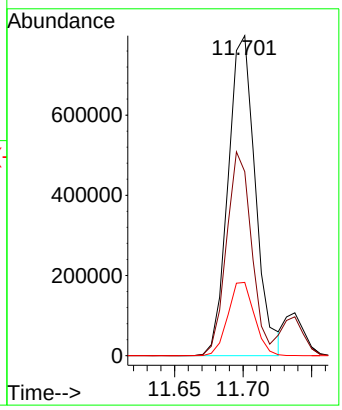




#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 110653

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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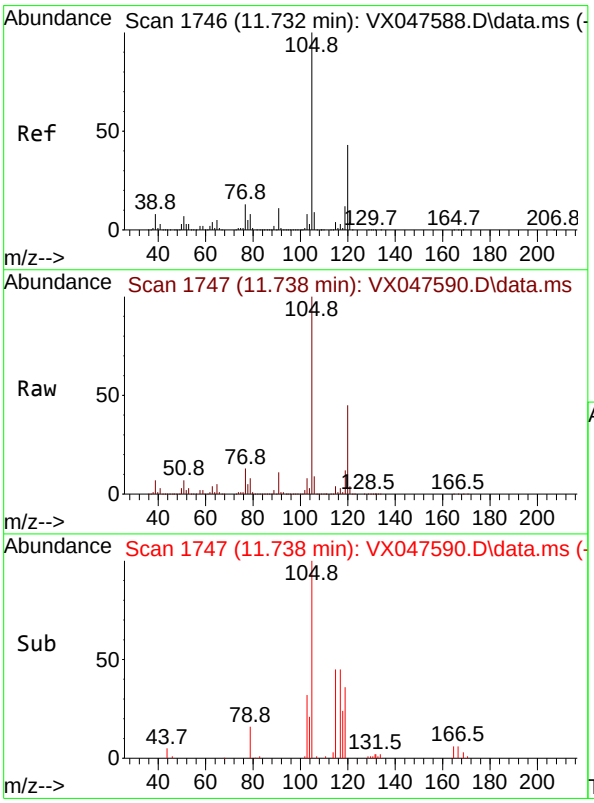
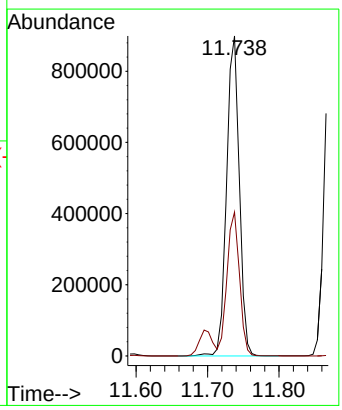
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

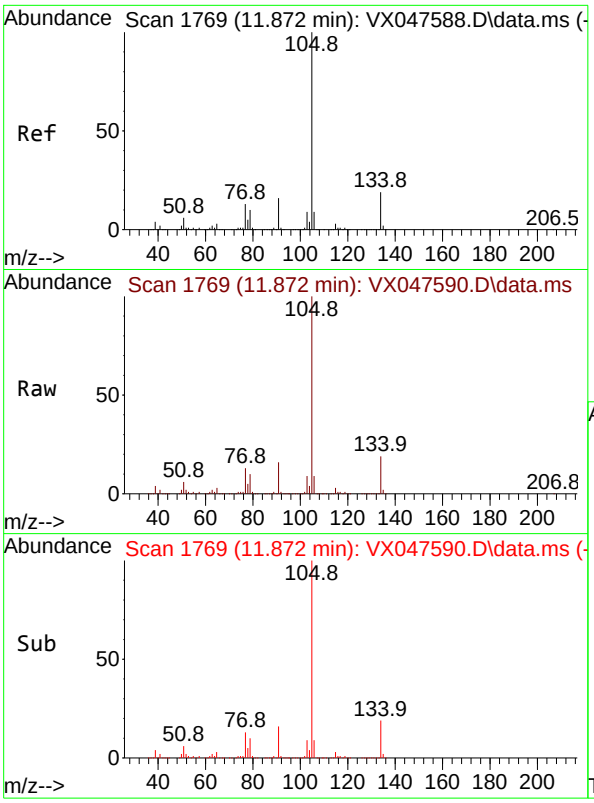


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

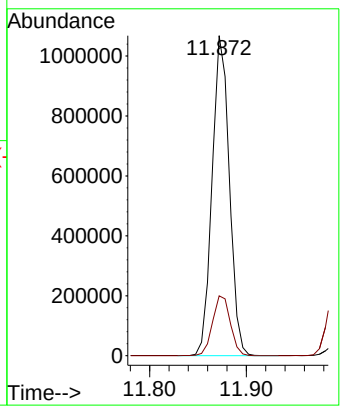




#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 131981

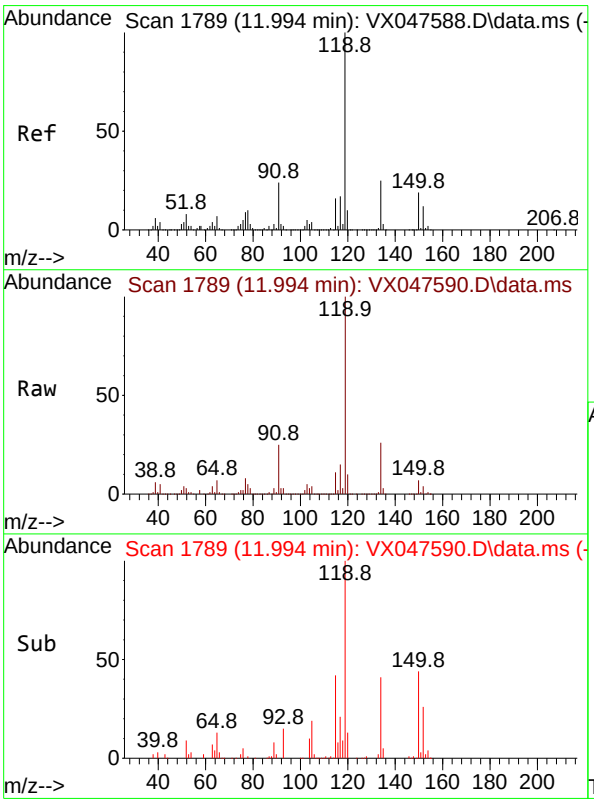
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

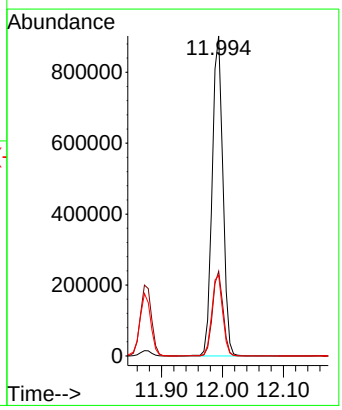
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

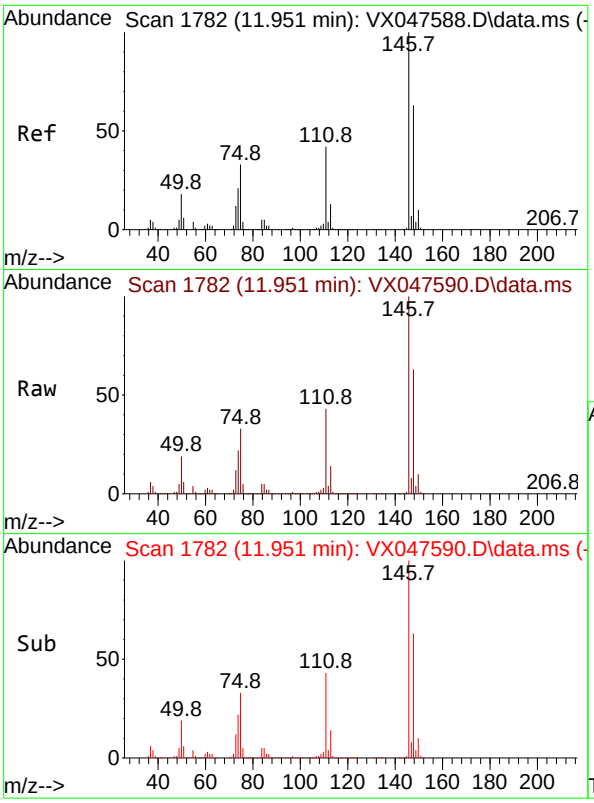


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6

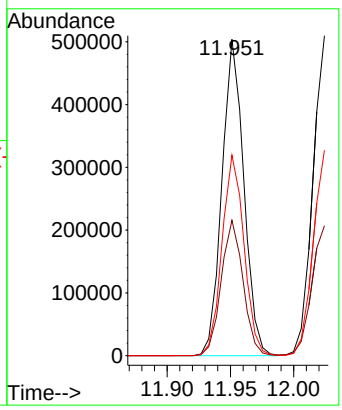




#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 60512

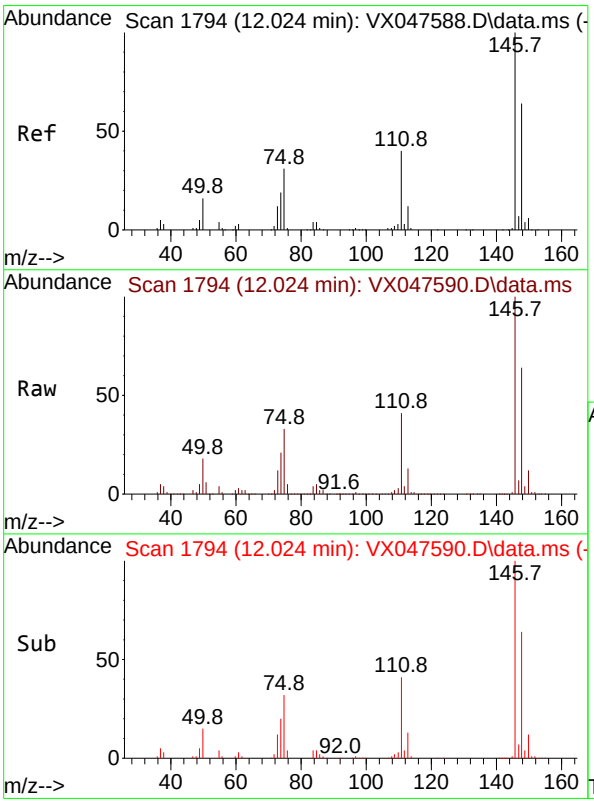
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

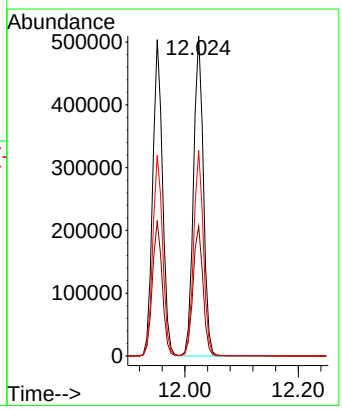
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

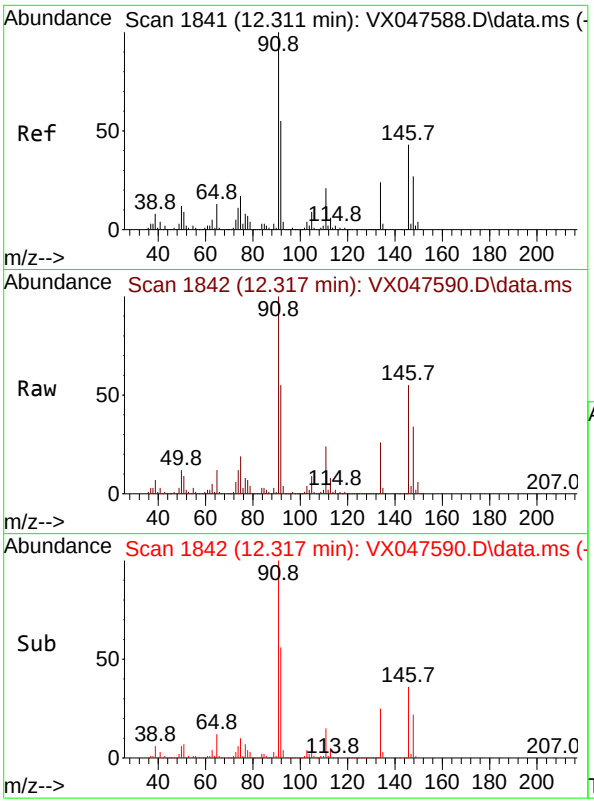


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1

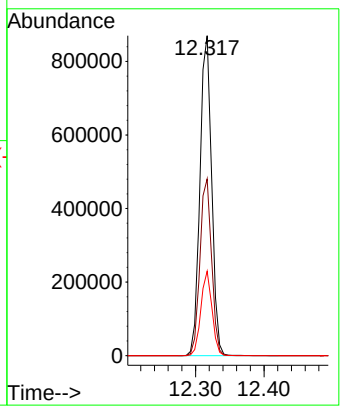




#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 103235

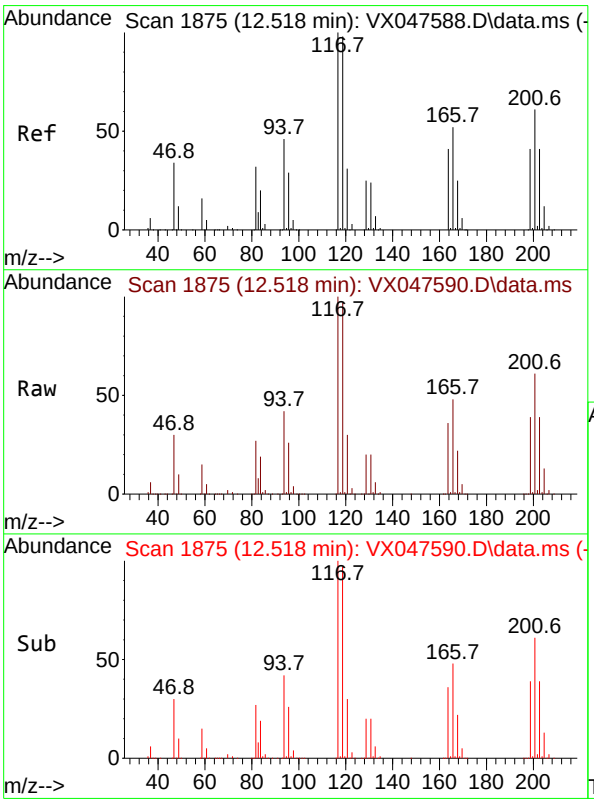
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

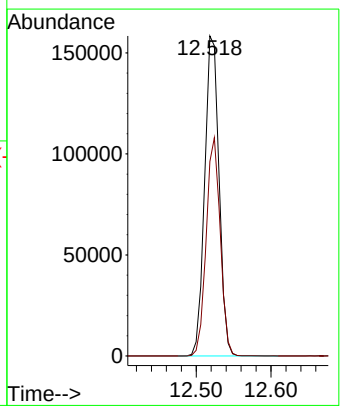
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

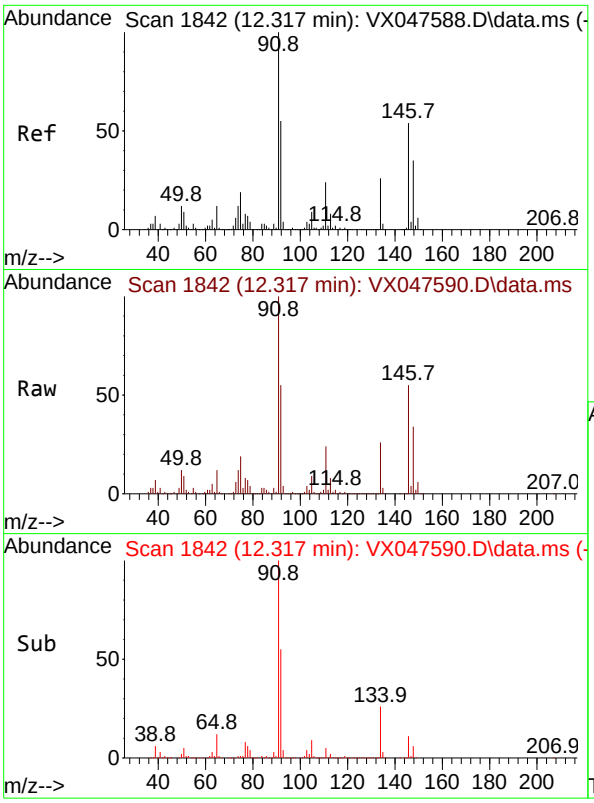


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

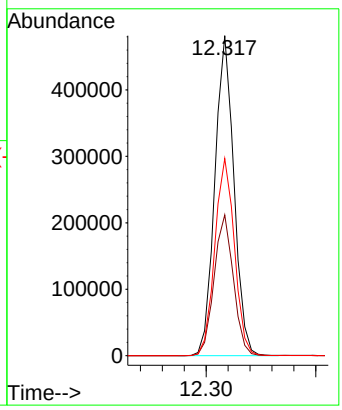




#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 58256

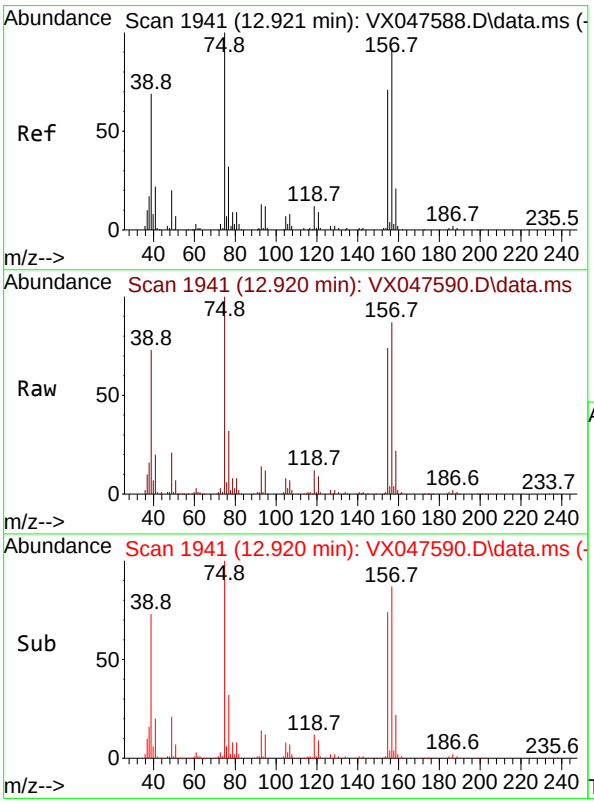
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

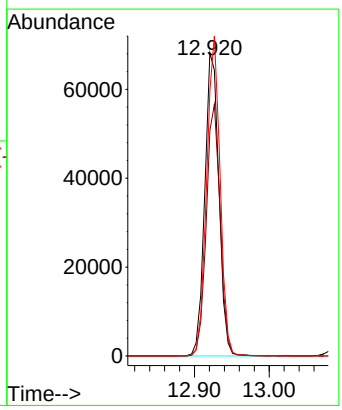
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

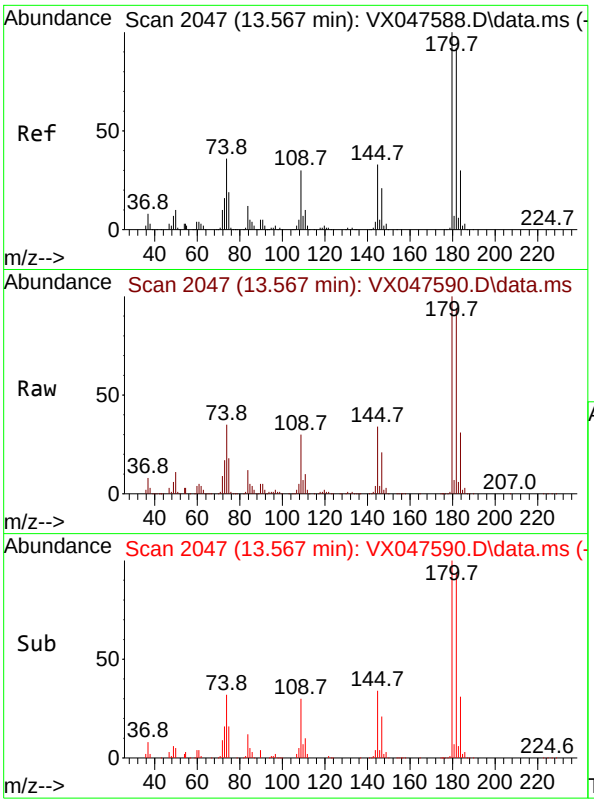


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4

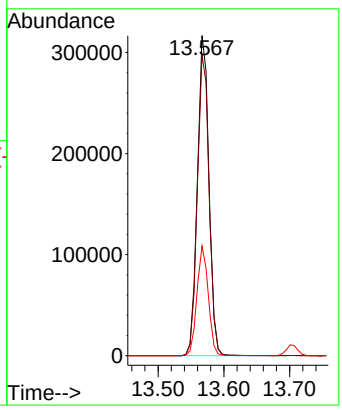




#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 38765

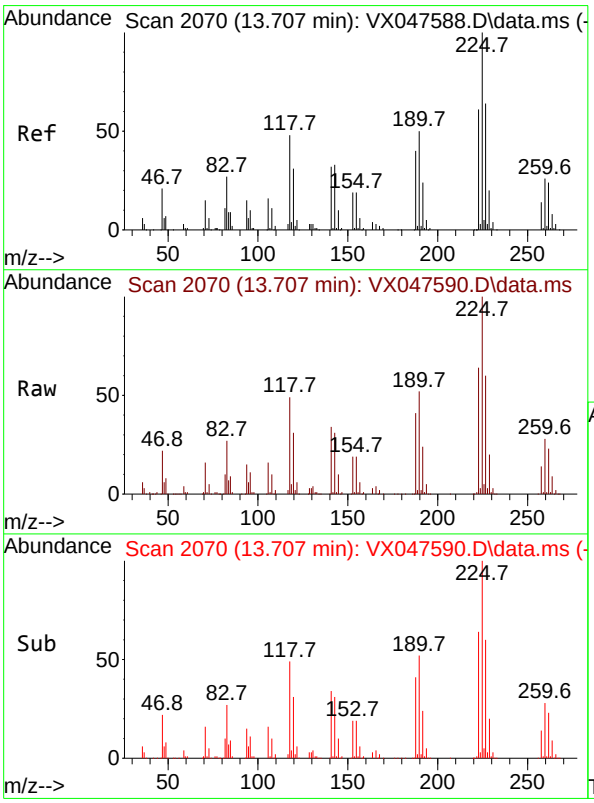
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

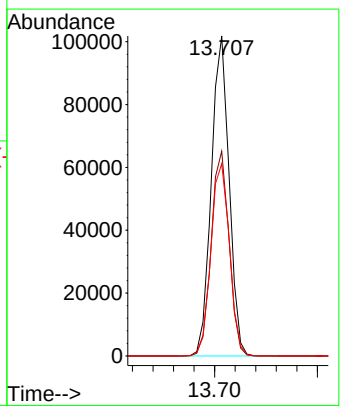
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

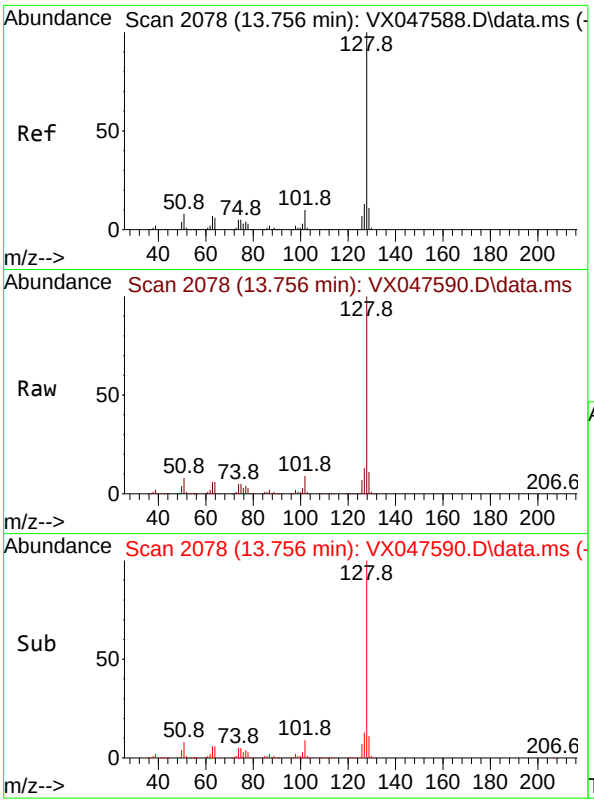


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0

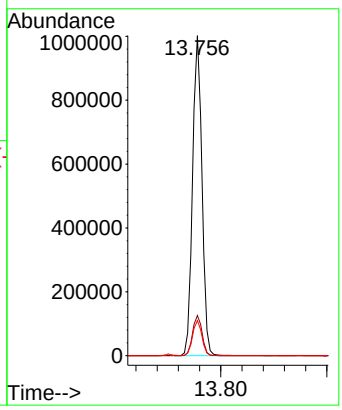




#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:128 Resp: 122936

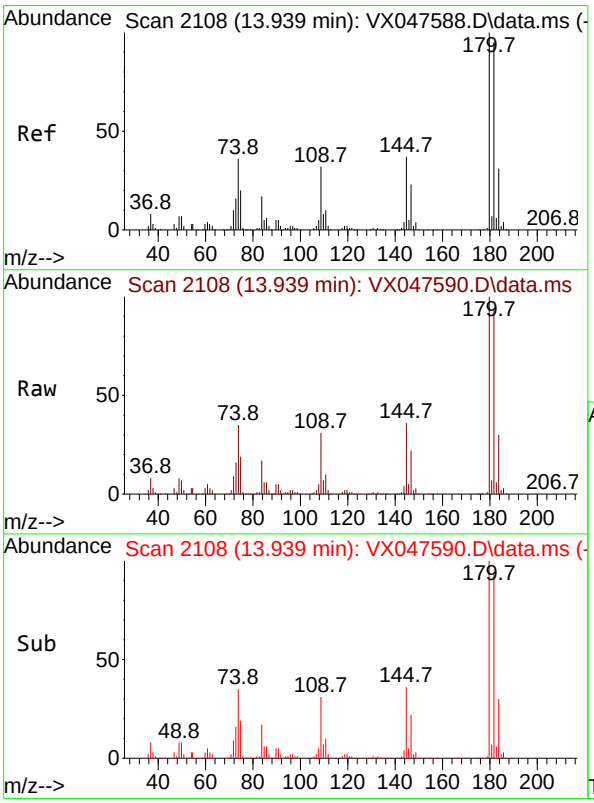
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

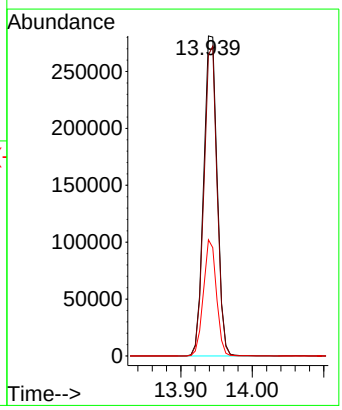
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 91.100%			
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.120%			
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.820%			
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	149779m	53.124	ug/l		
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

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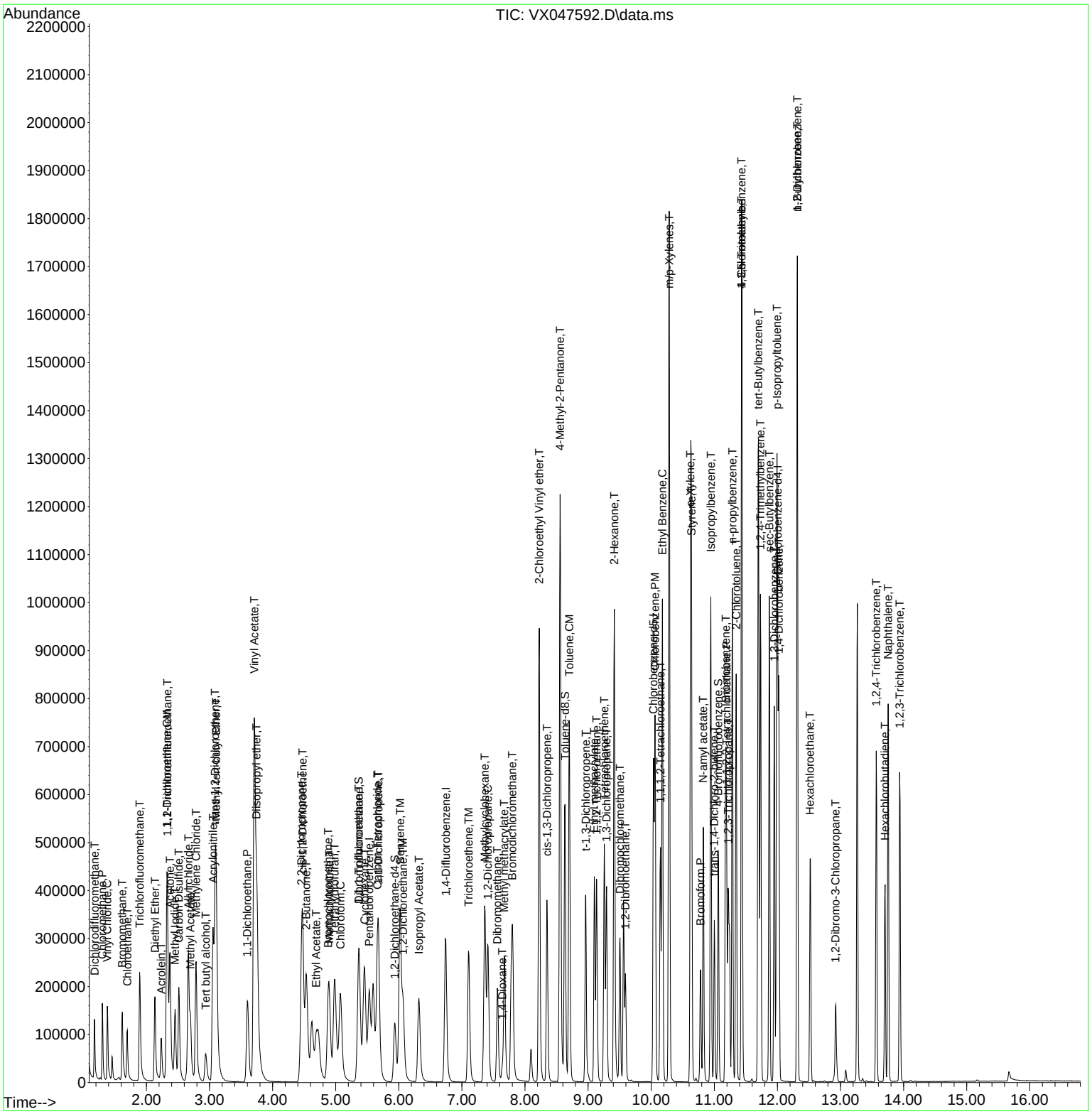
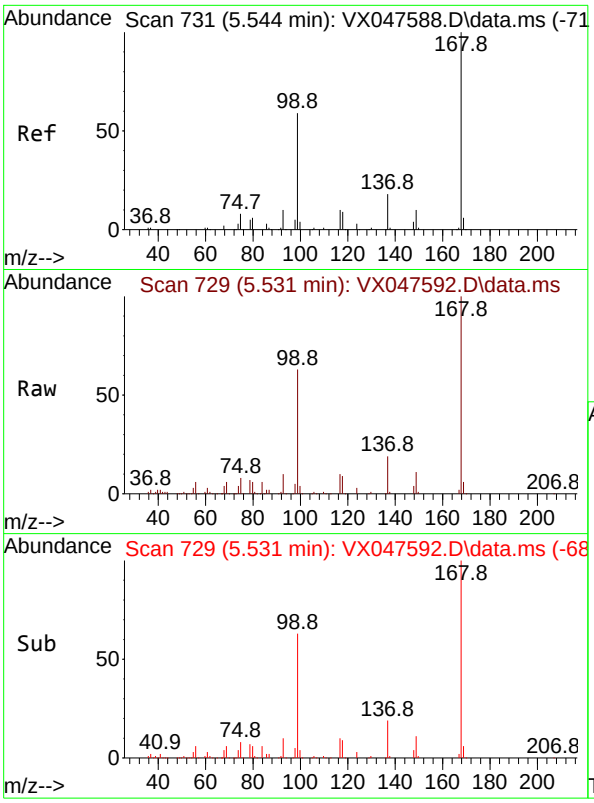
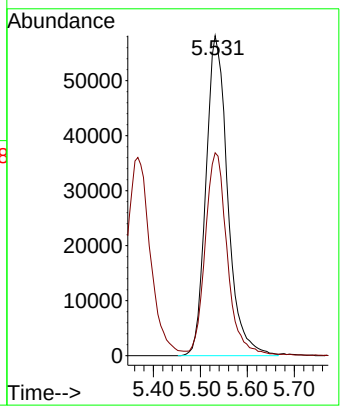




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:168 Resp: 18648

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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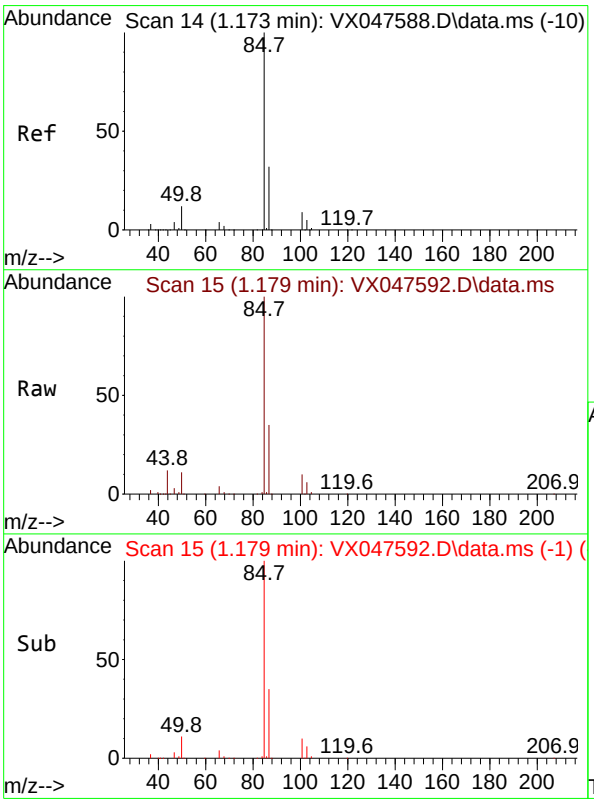
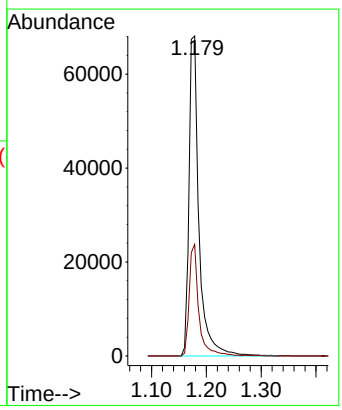
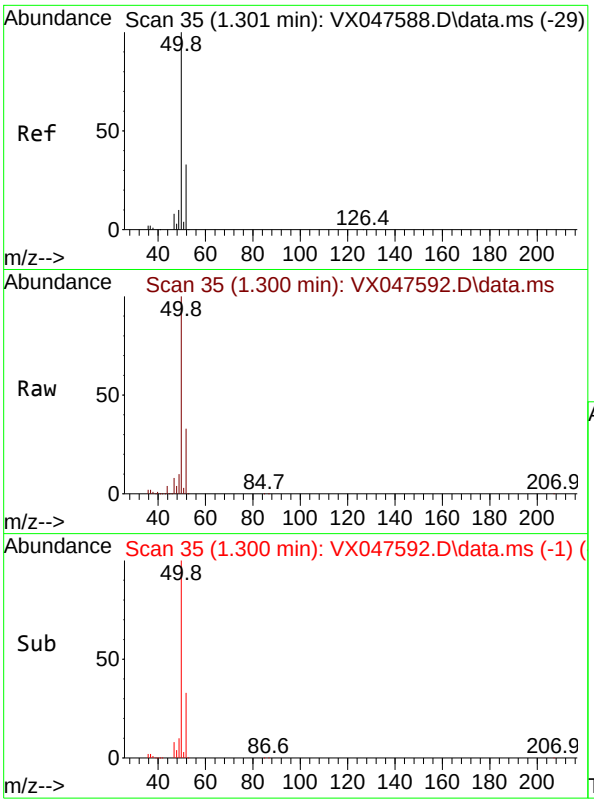


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3

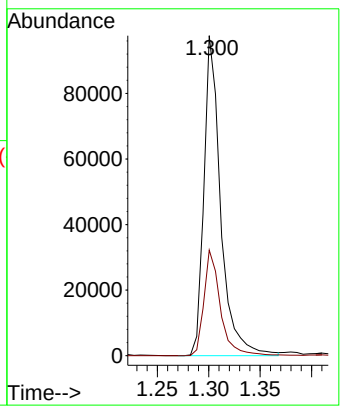




#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 50 Resp: 11093

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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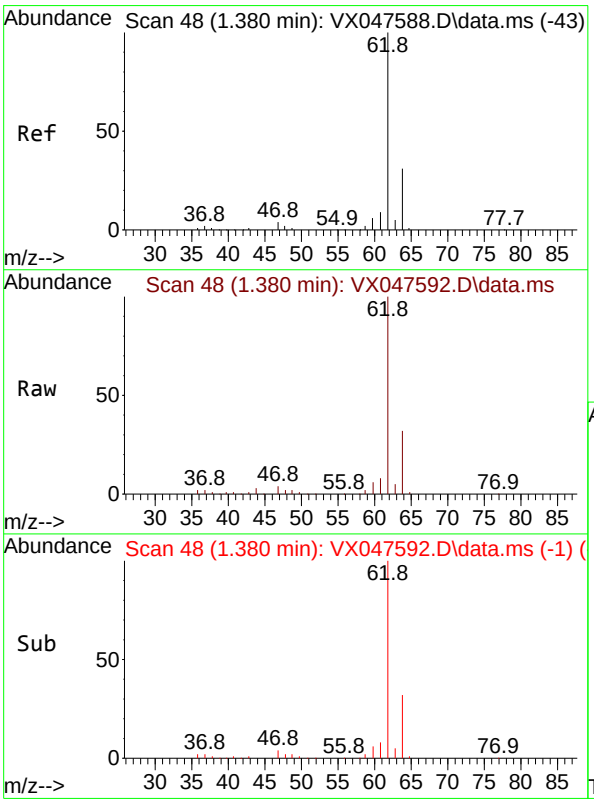
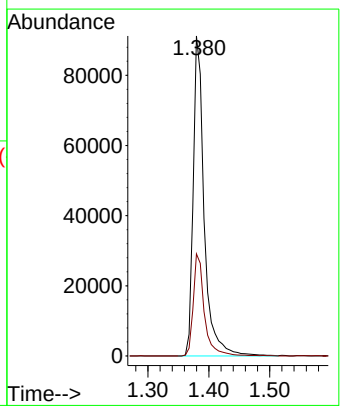
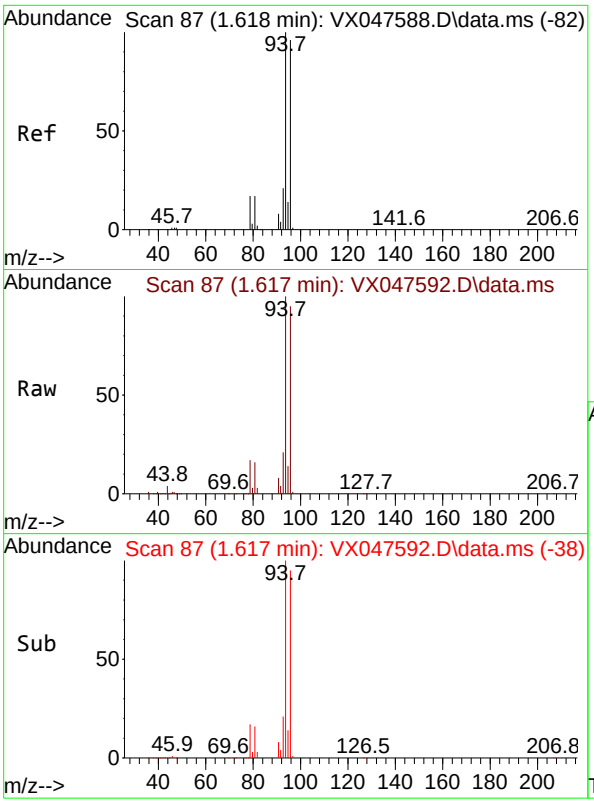


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3

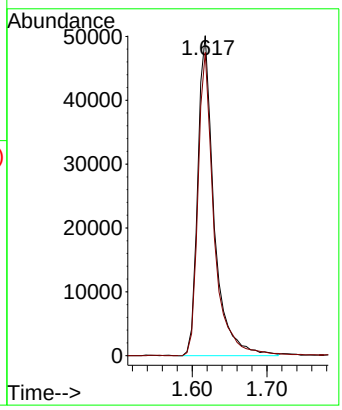




#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 94 Resp: 7638

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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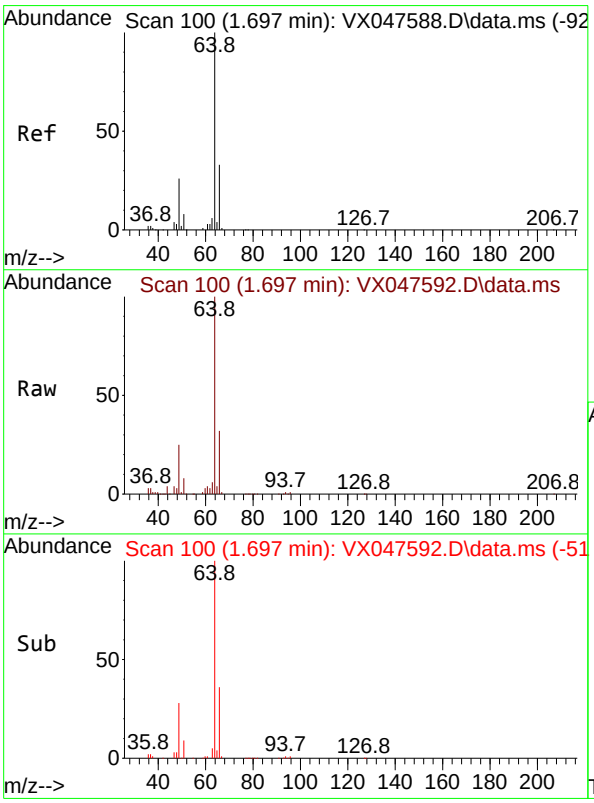
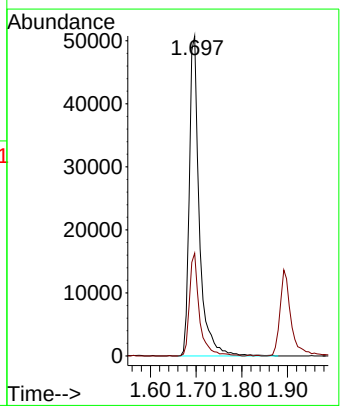
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

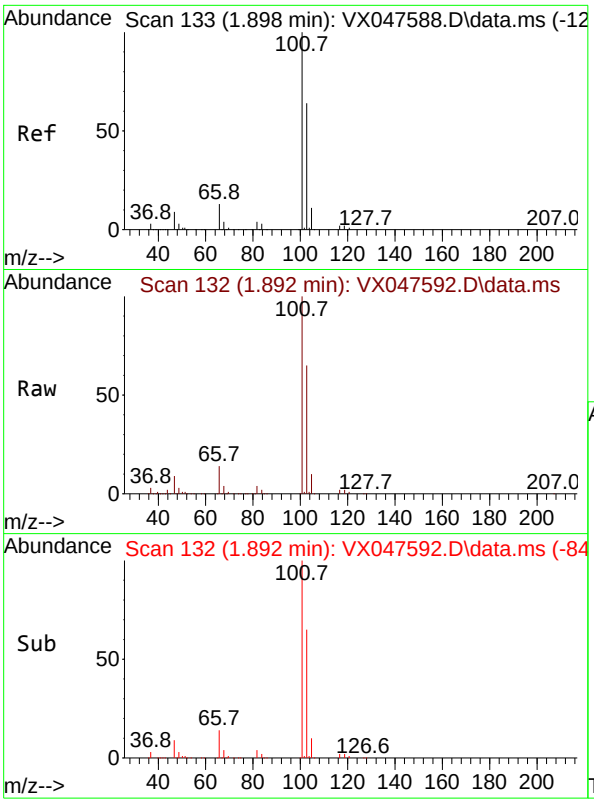


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

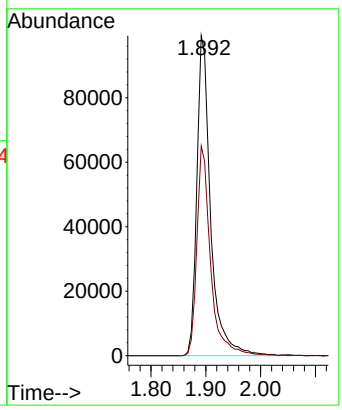
Tgt Ion:101 Resp: 17364

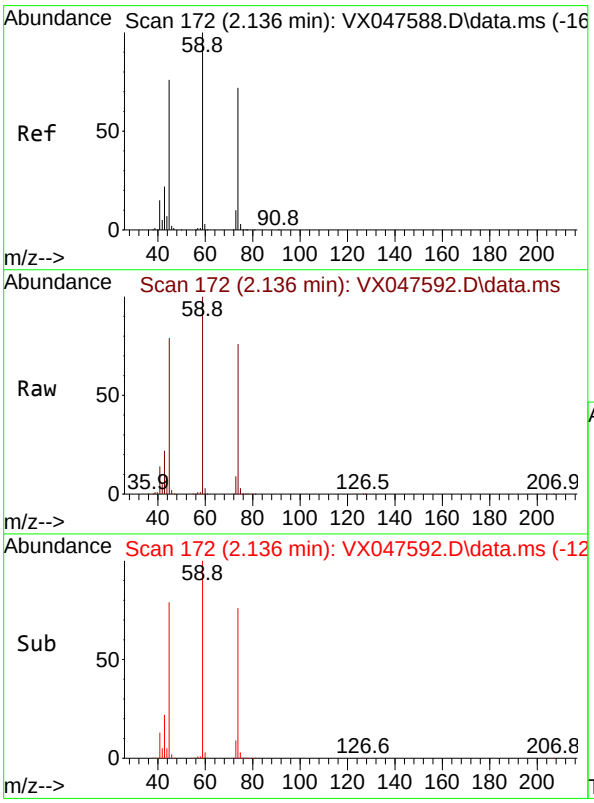
Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

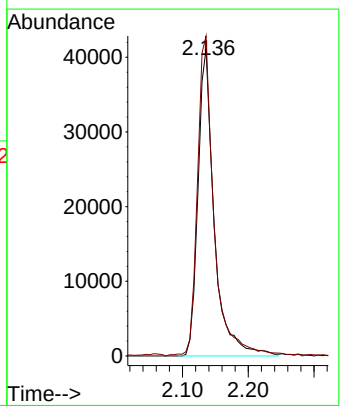


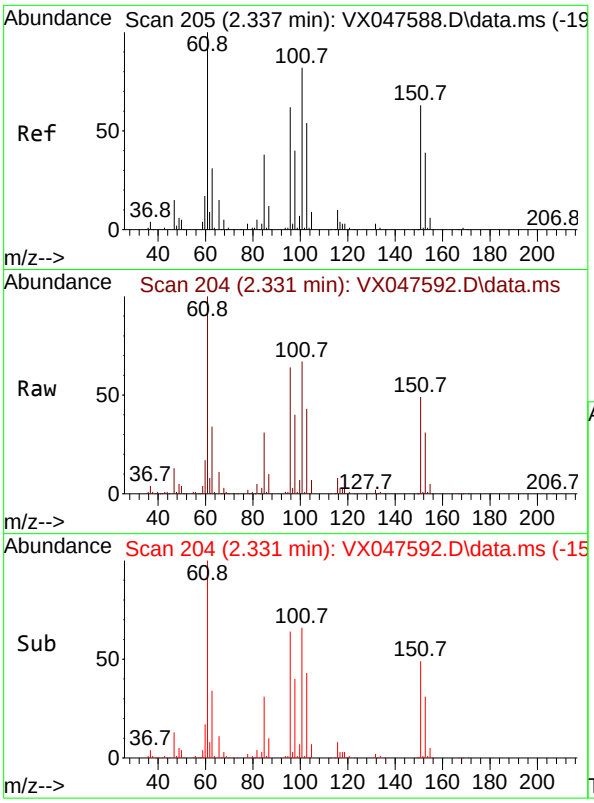


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

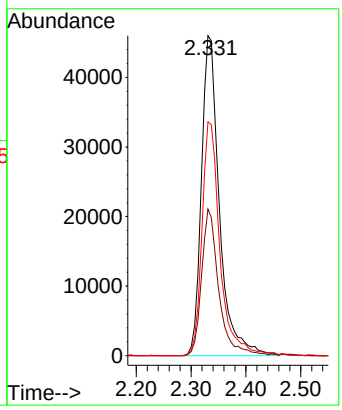
Tgt Ion:101 Resp: 10466

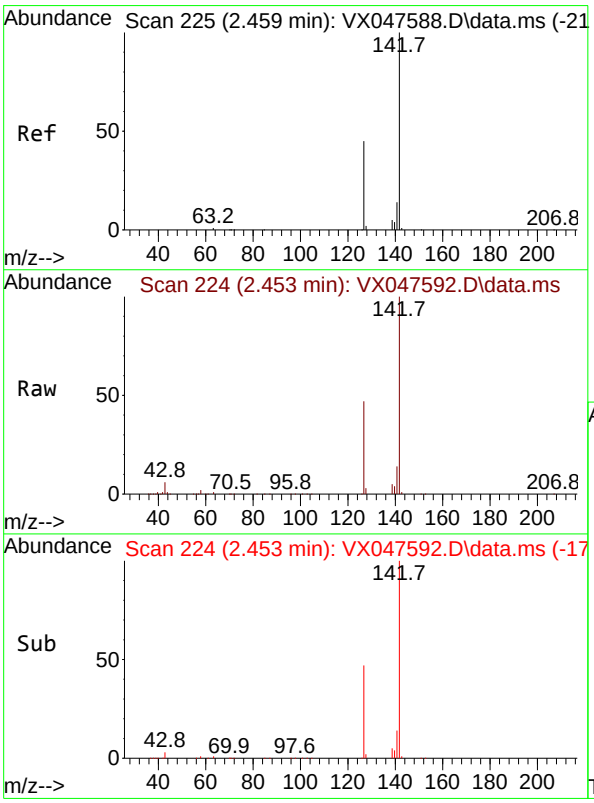
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

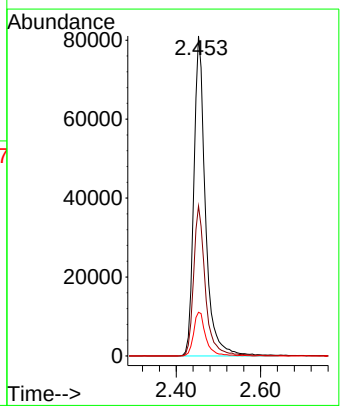


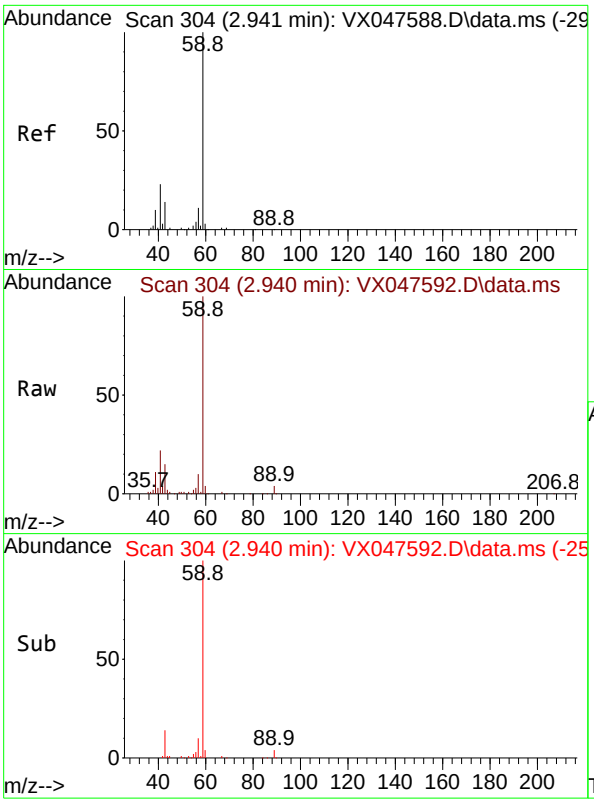


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 59 Resp: 8472

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

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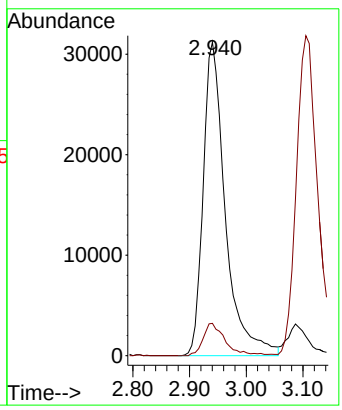
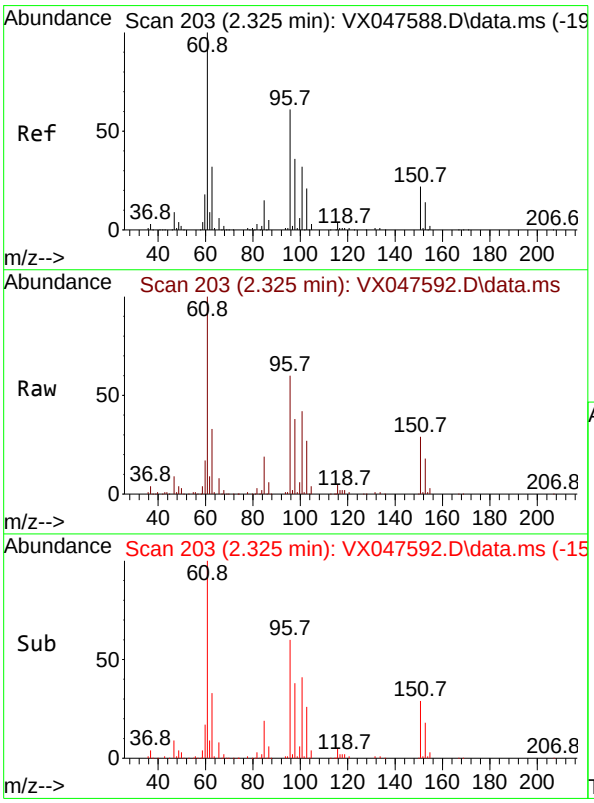
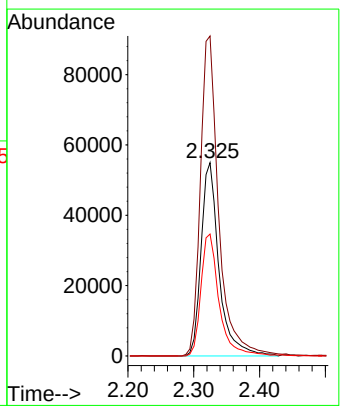


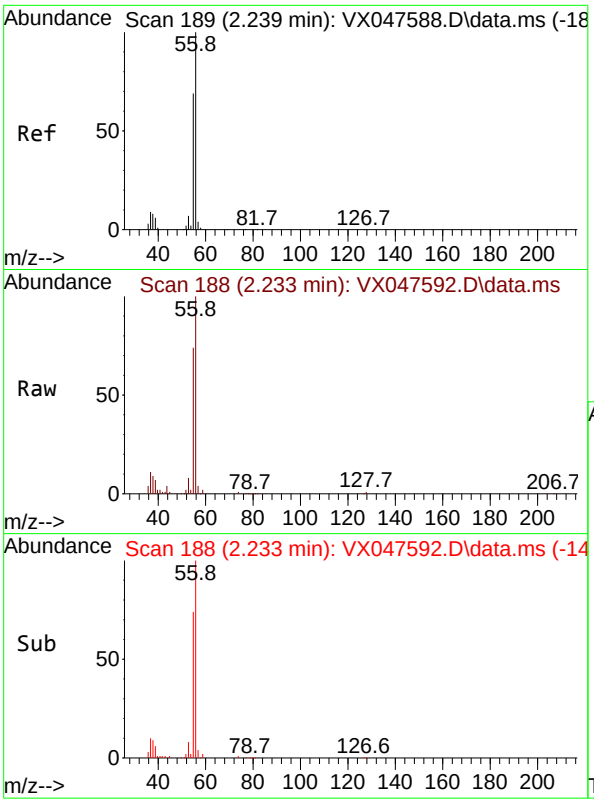


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5

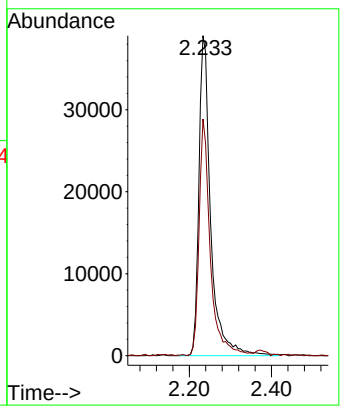




#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 7764

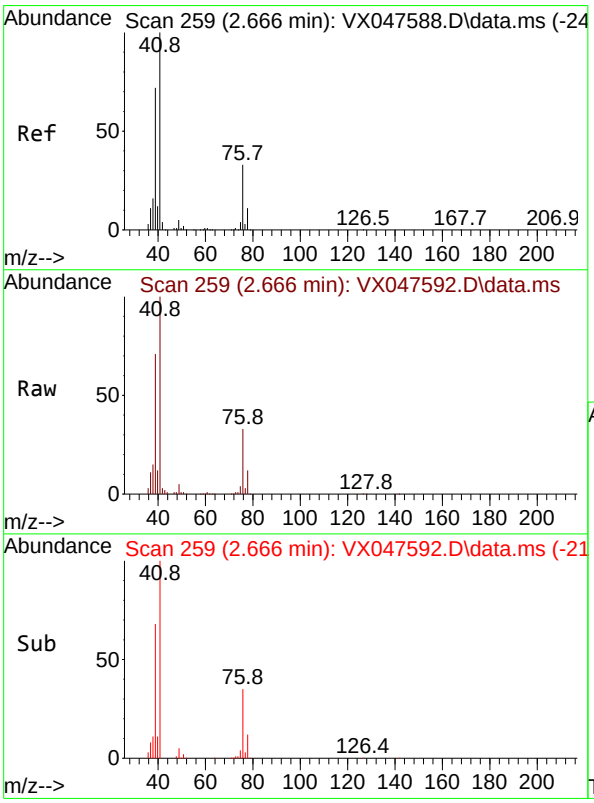
Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

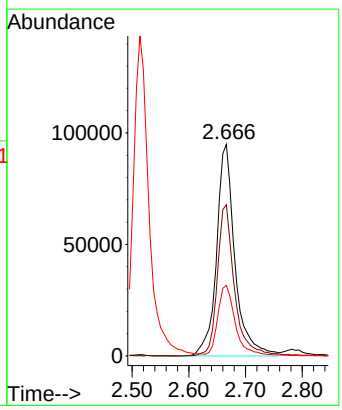
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

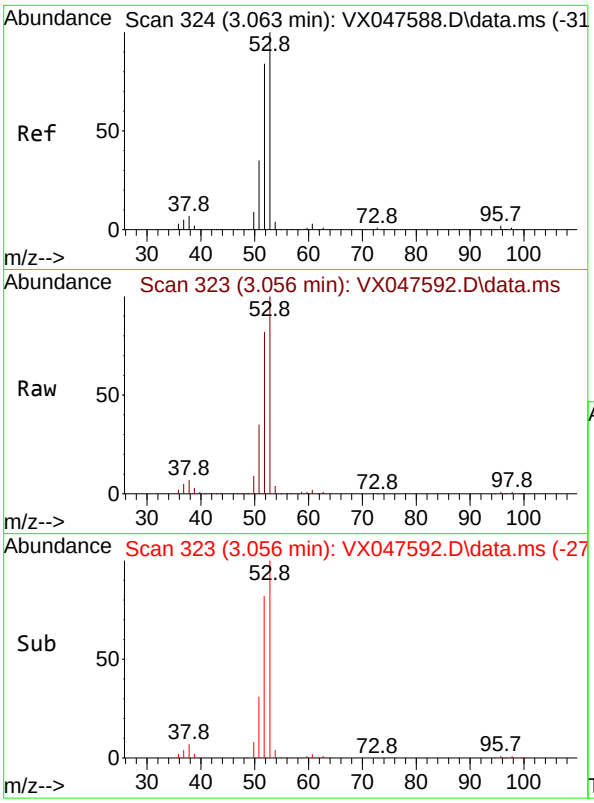


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5

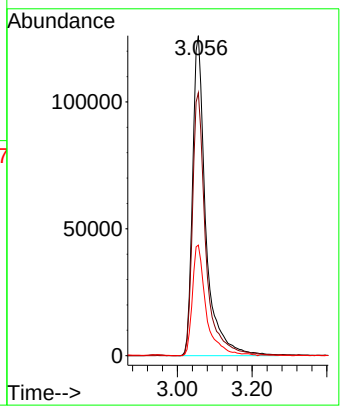




#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 53 Resp: 31050

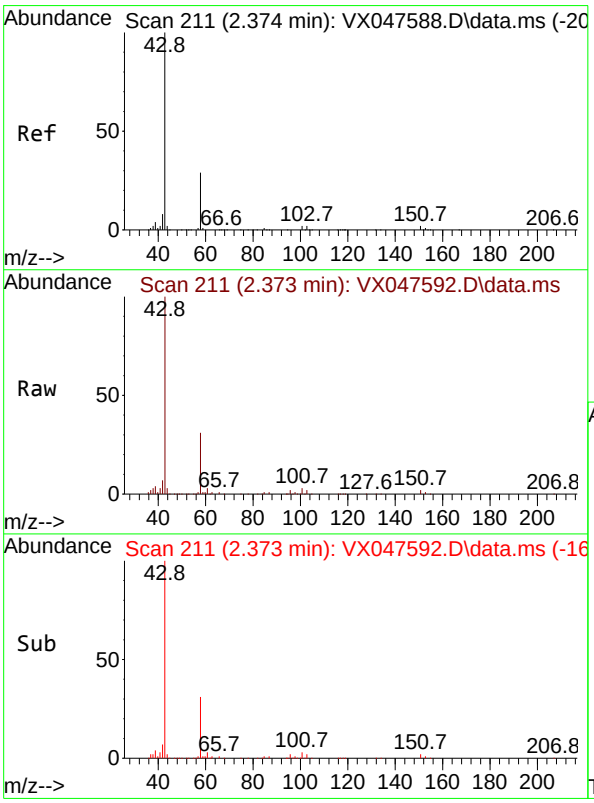
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

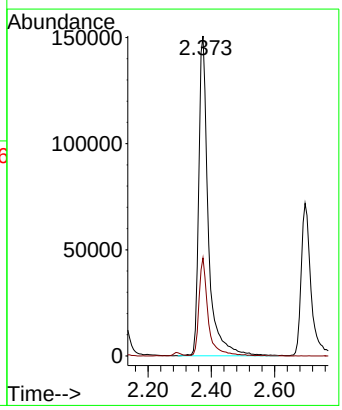
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

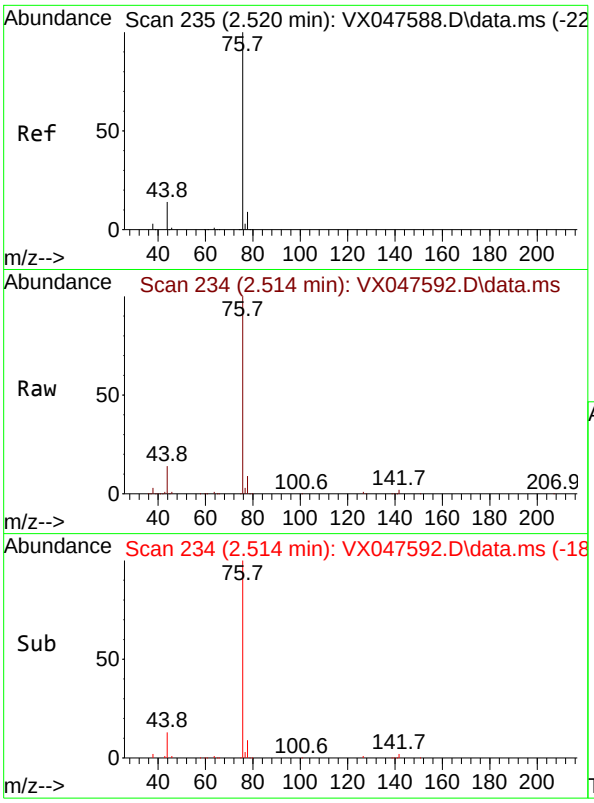


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0





#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 27274

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

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MSVOA_X
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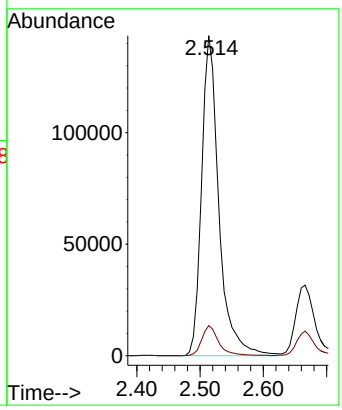
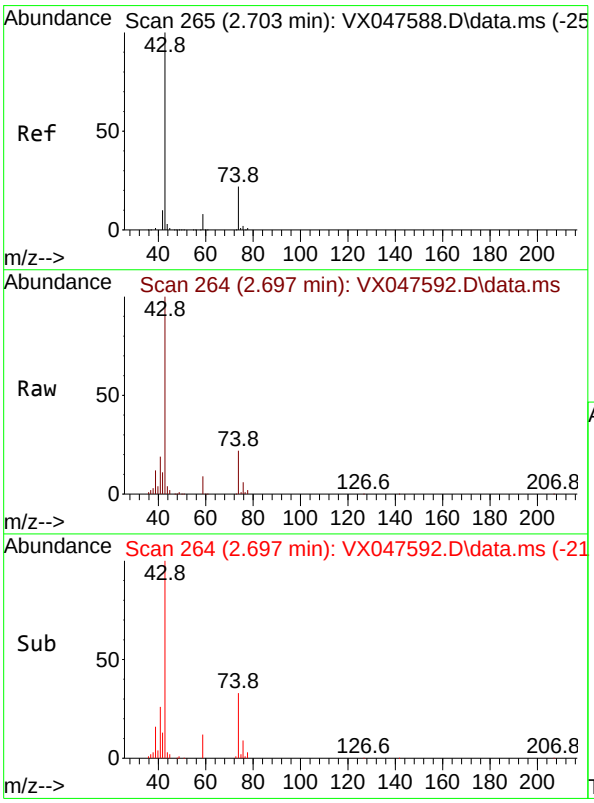
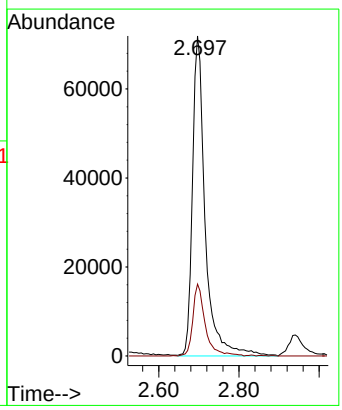


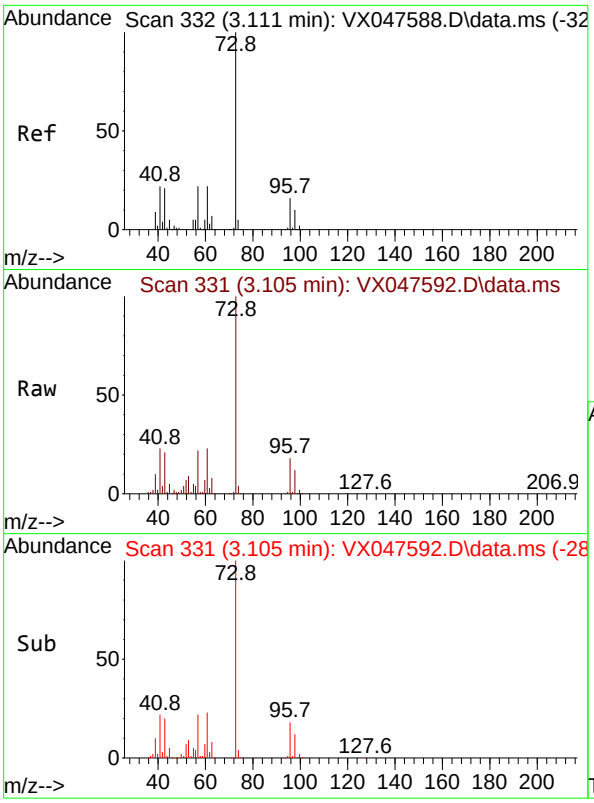


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

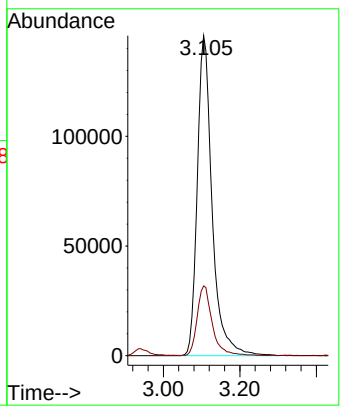




#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 73 Resp: 39257

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



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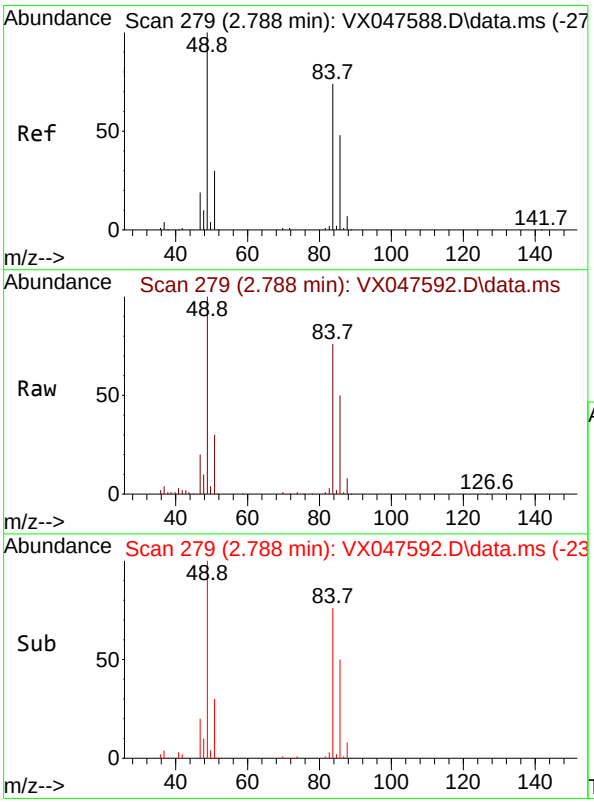
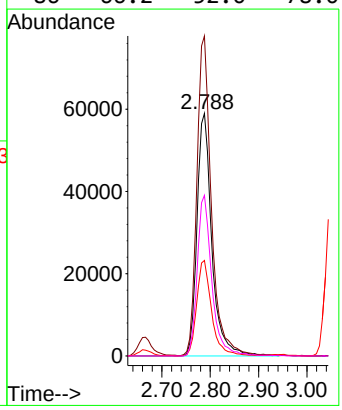
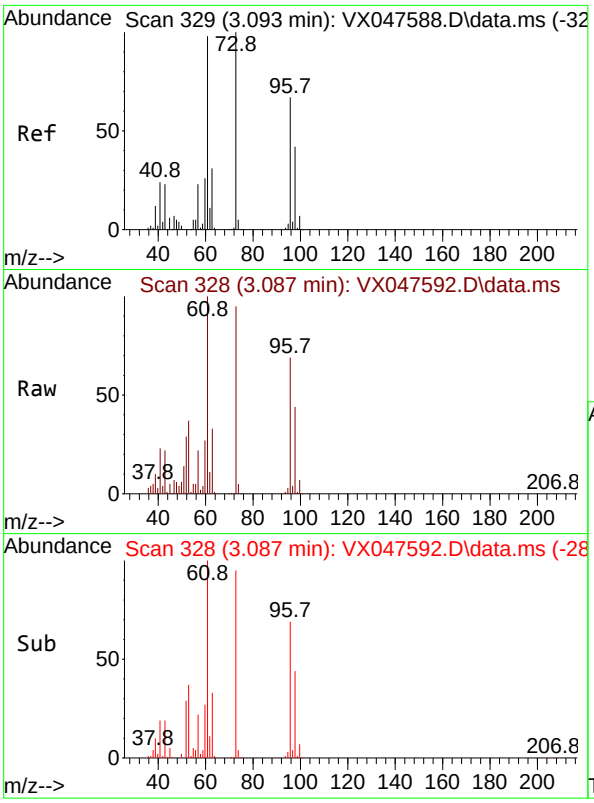


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0

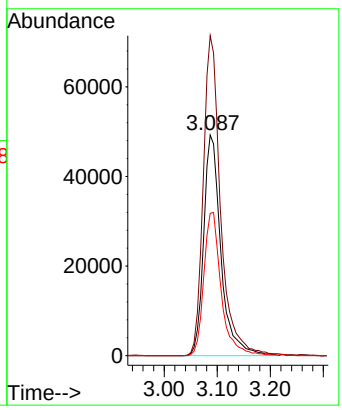




#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 11141

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9



Instrument :
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ClientSampleId :
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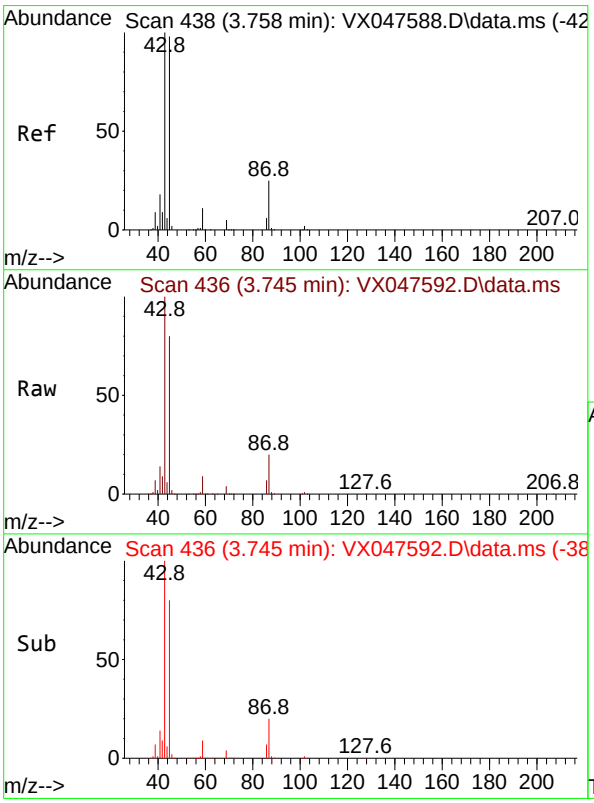
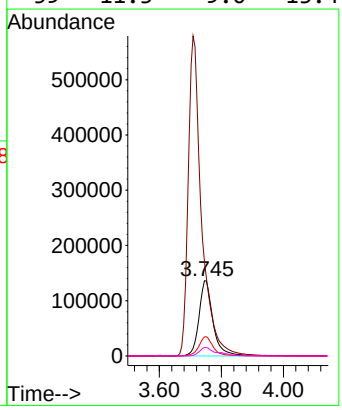
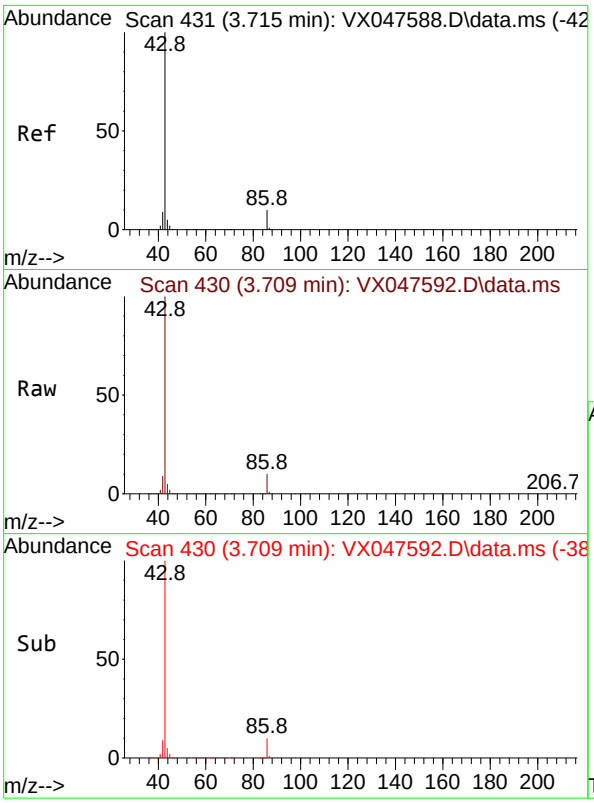


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 174126

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

Instrument :
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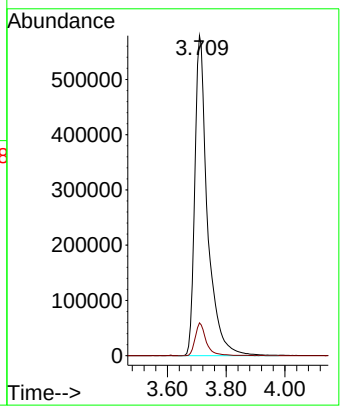
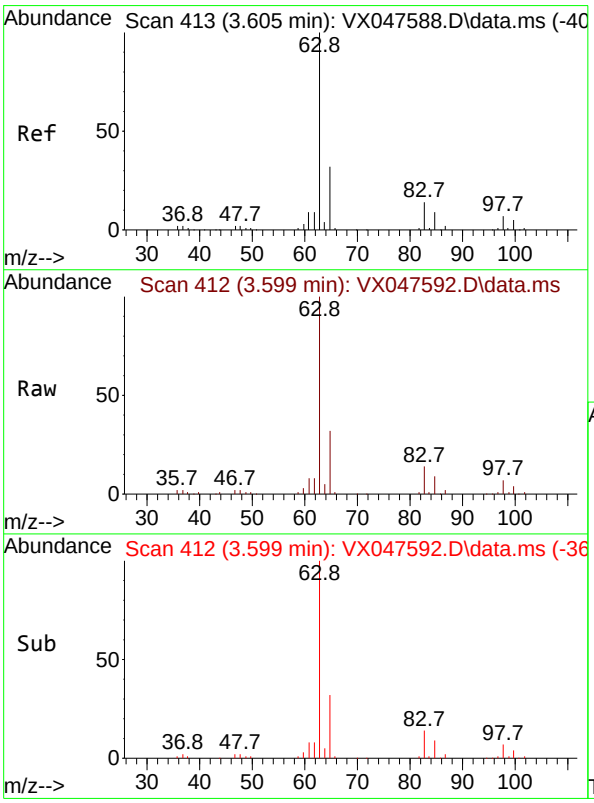
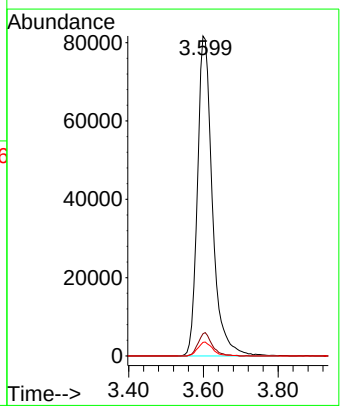


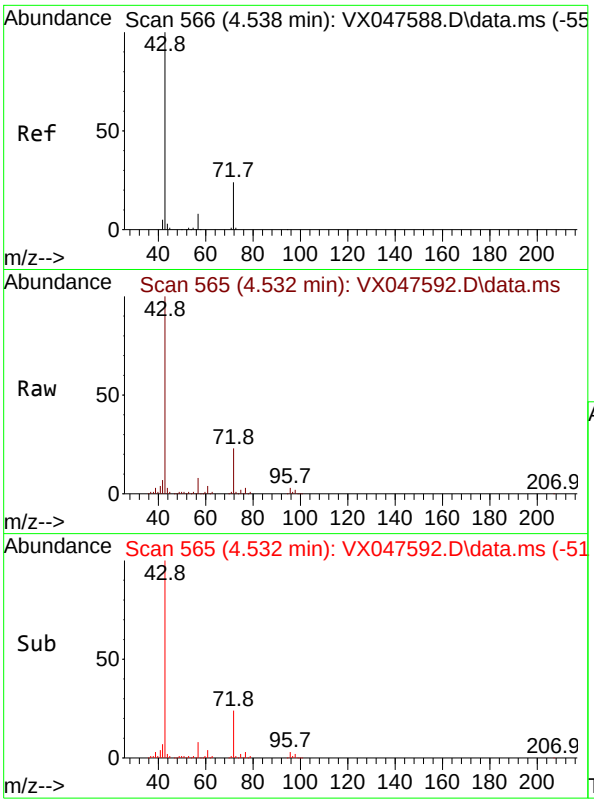


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 40827

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

Instrument :
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ClientSampleId :
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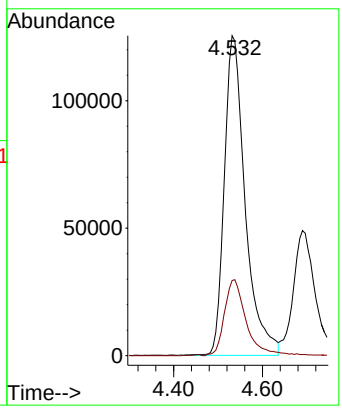
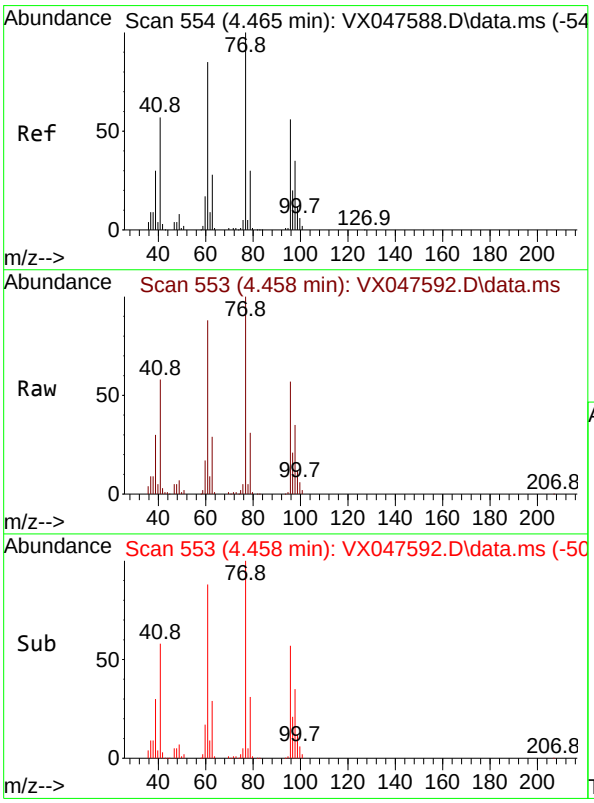
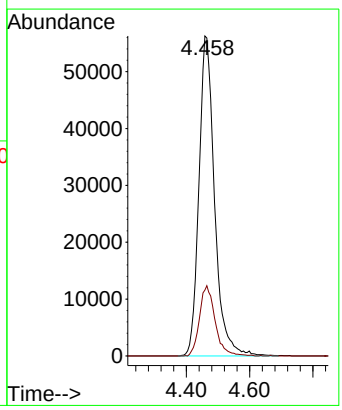


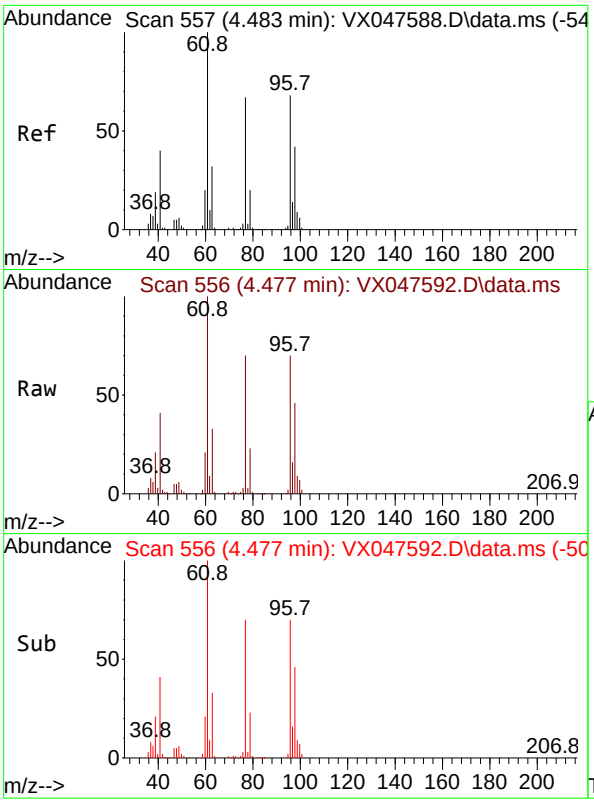


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 14263

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8

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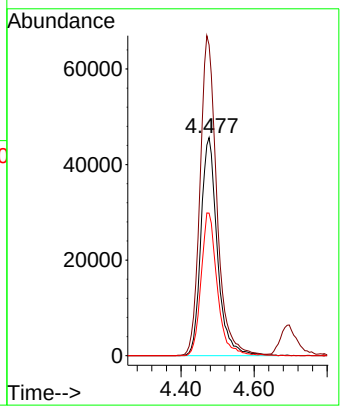
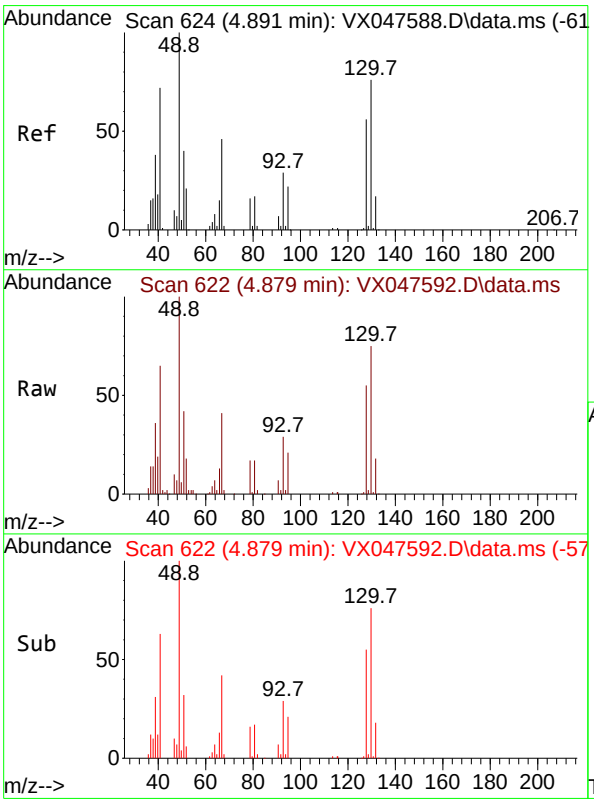
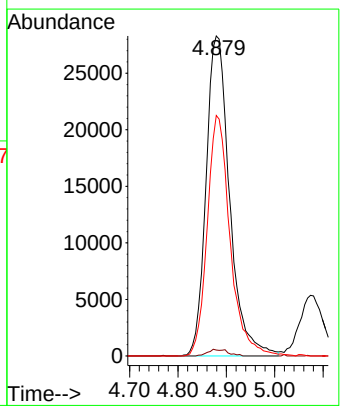


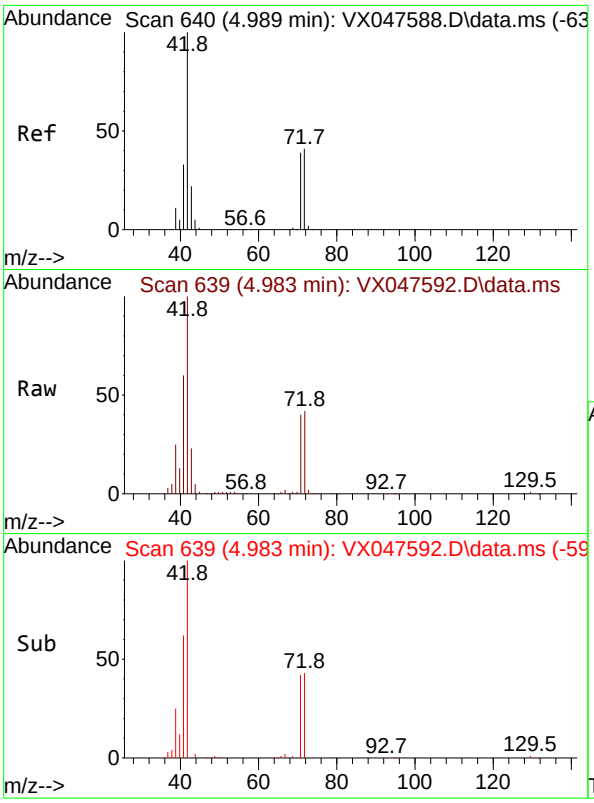


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8

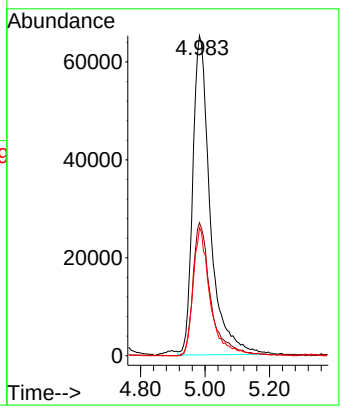




#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 42 Resp: 24539

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9



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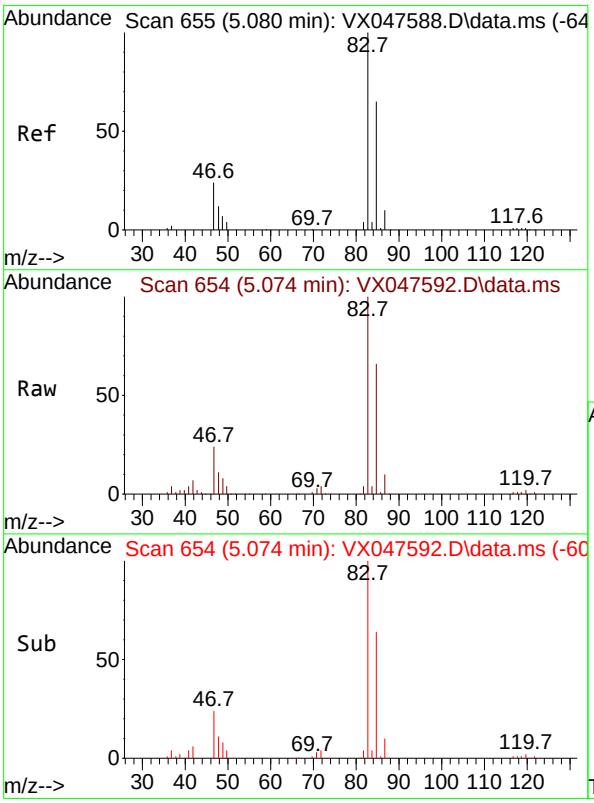
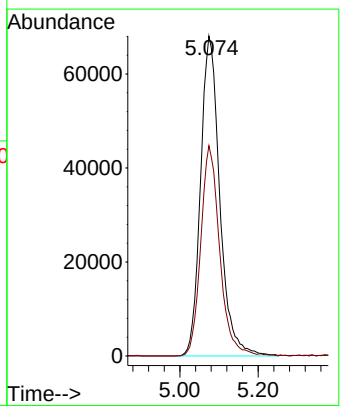
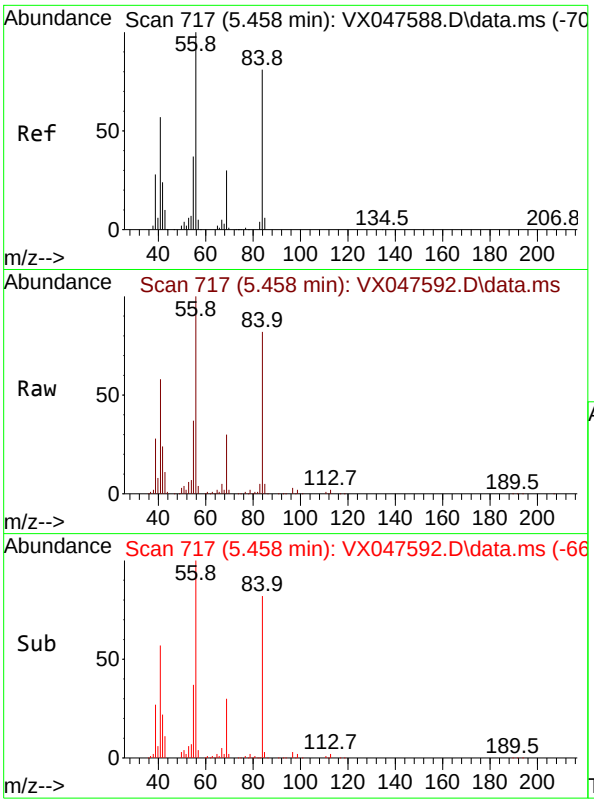


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6

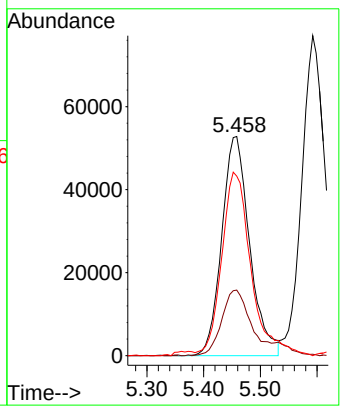




#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 18043

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0



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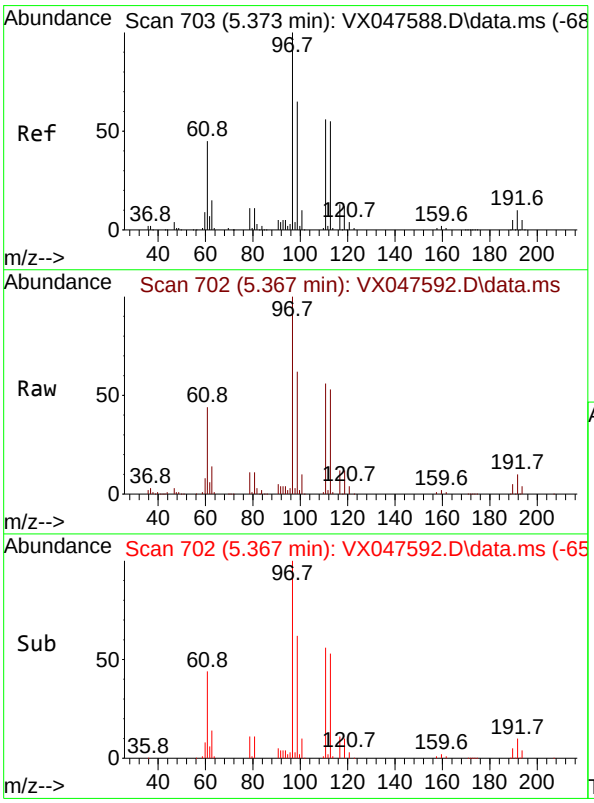
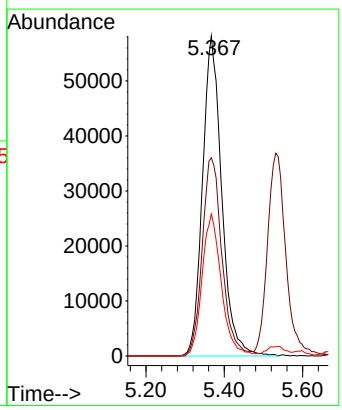
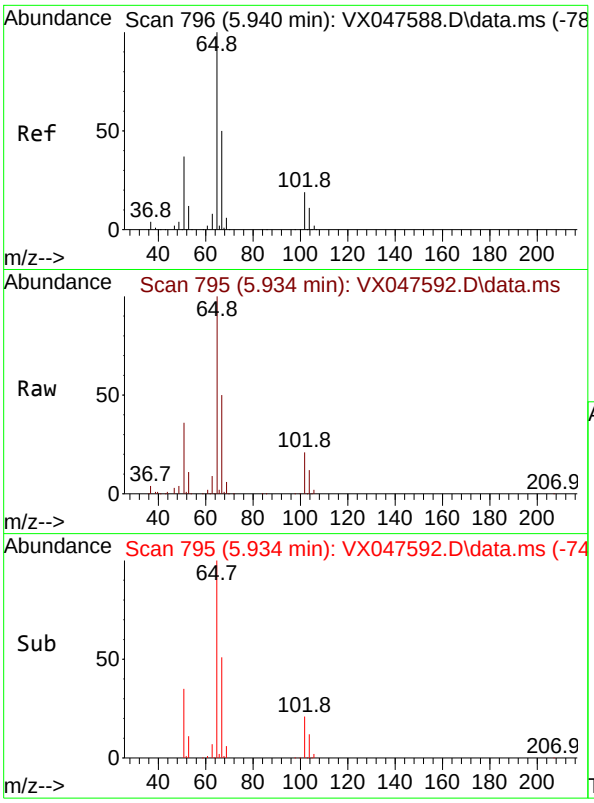


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8

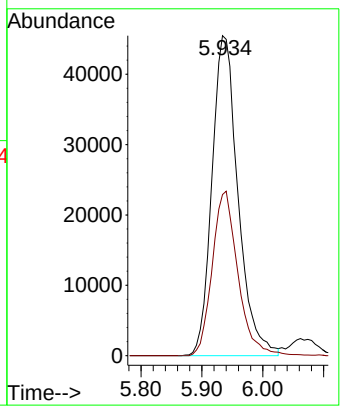




#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 65 Resp: 13520

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



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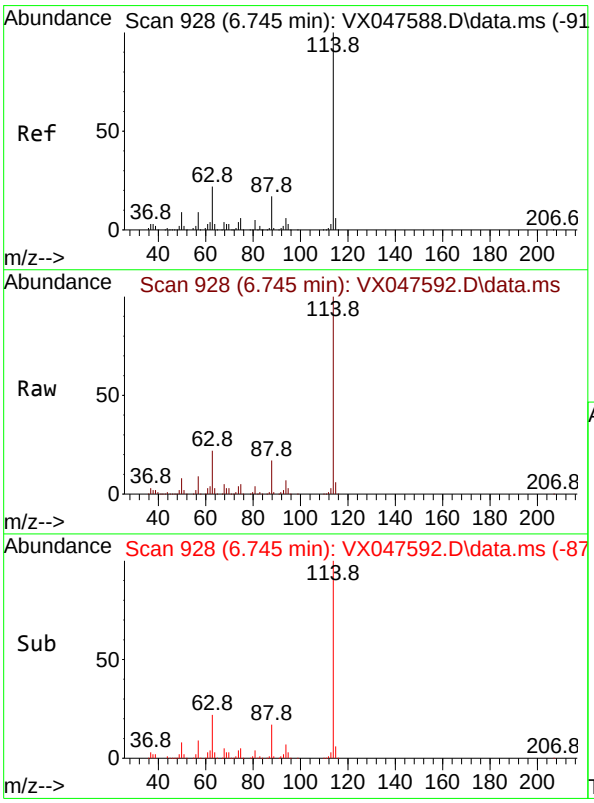
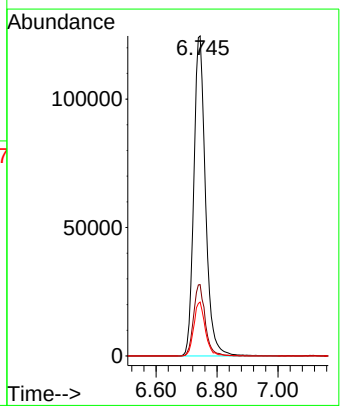
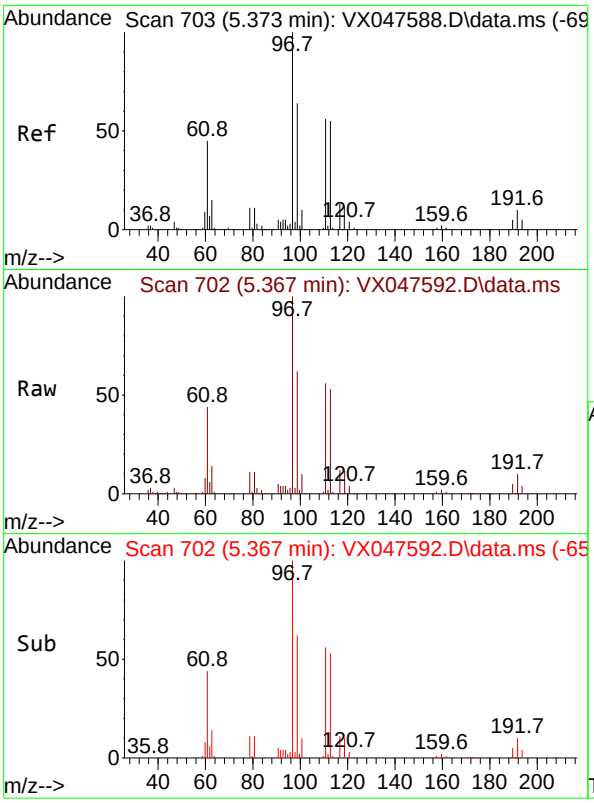


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

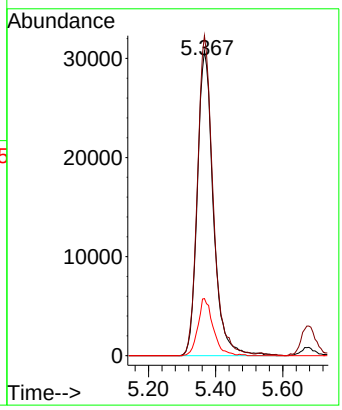




#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:113 Resp: 10139

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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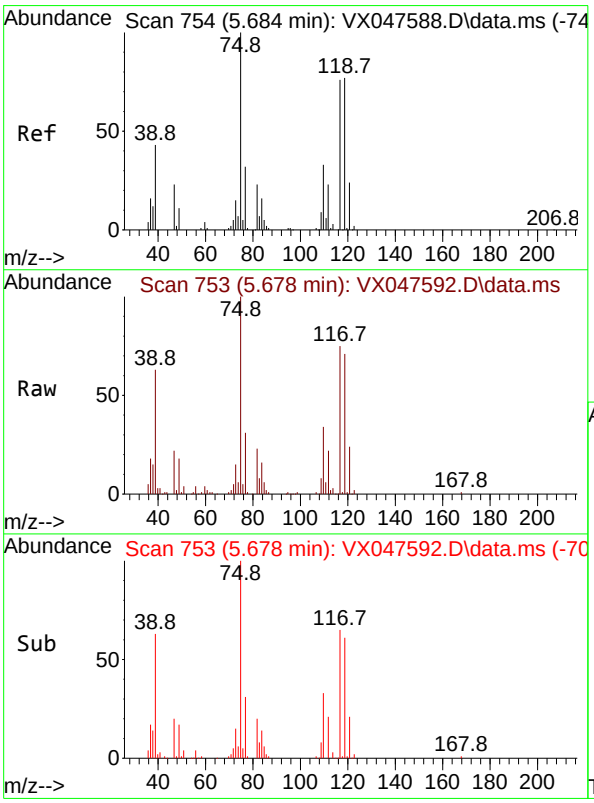
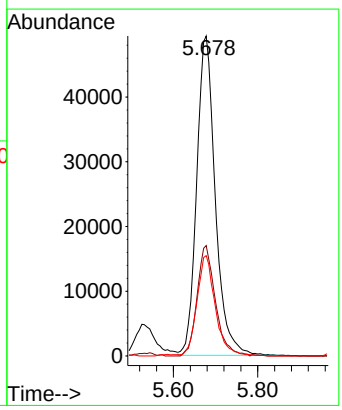
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

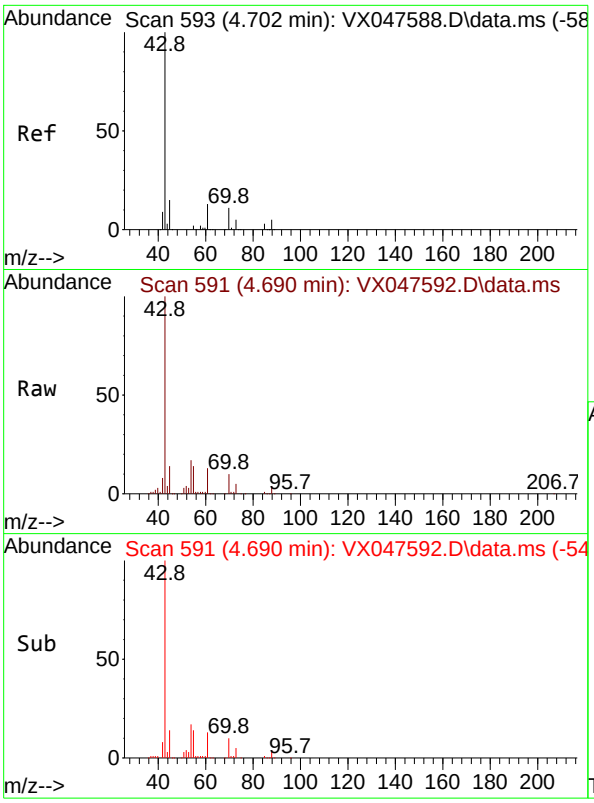


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 17145

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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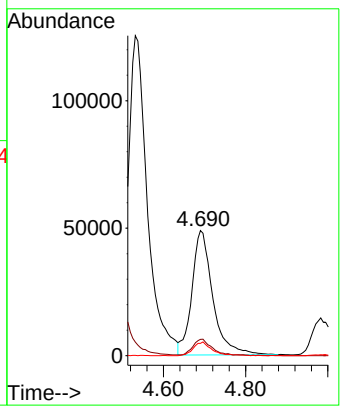
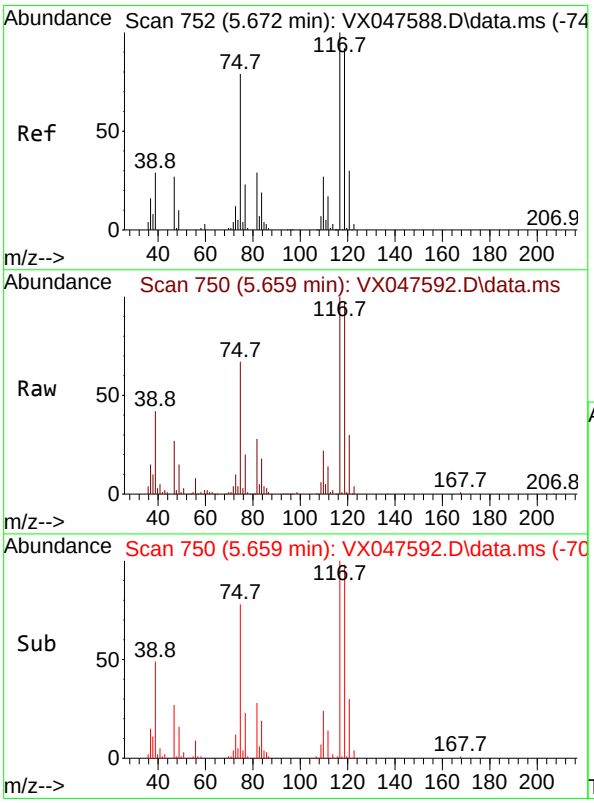
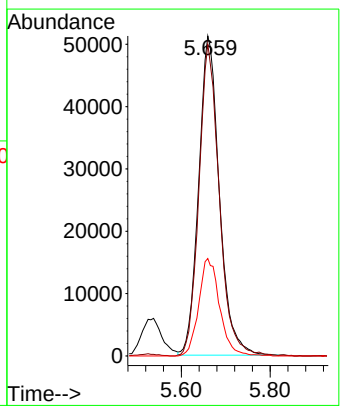


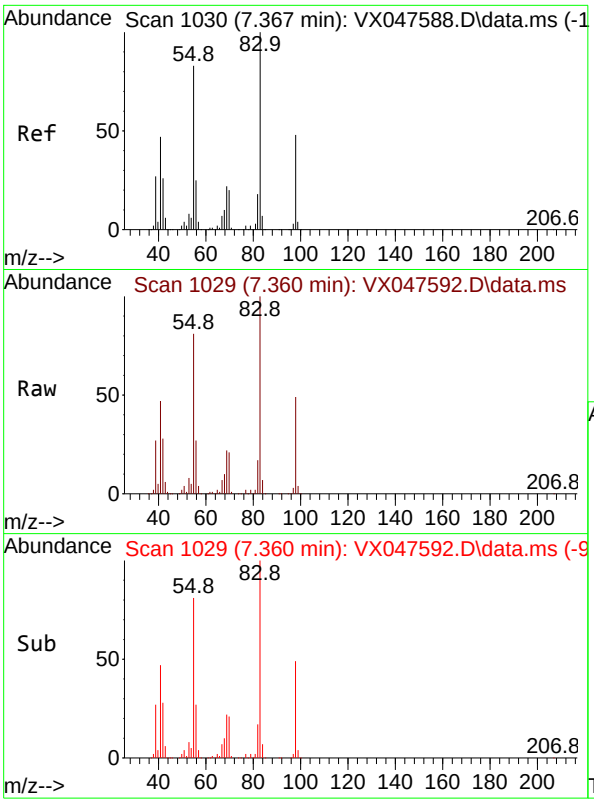


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6

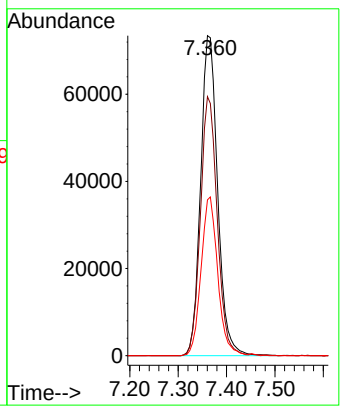




#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 17939

Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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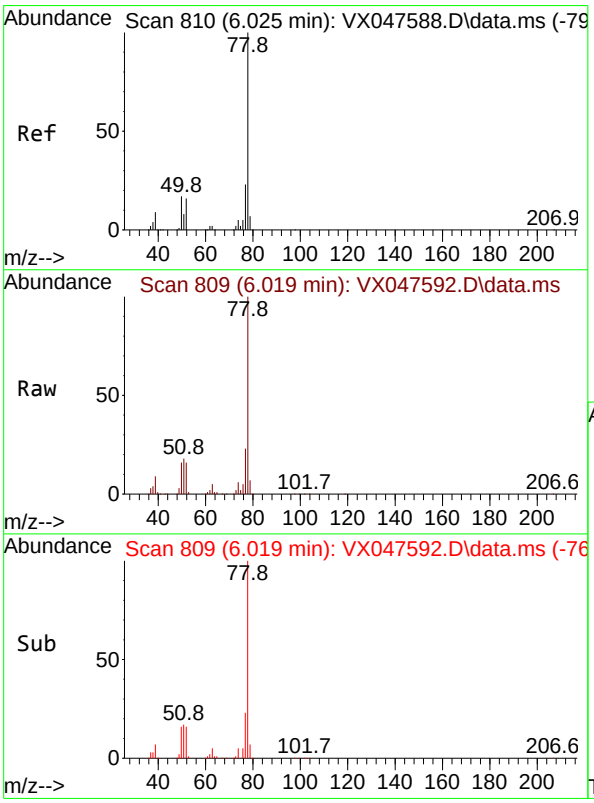
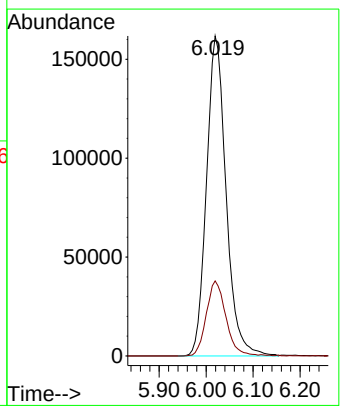
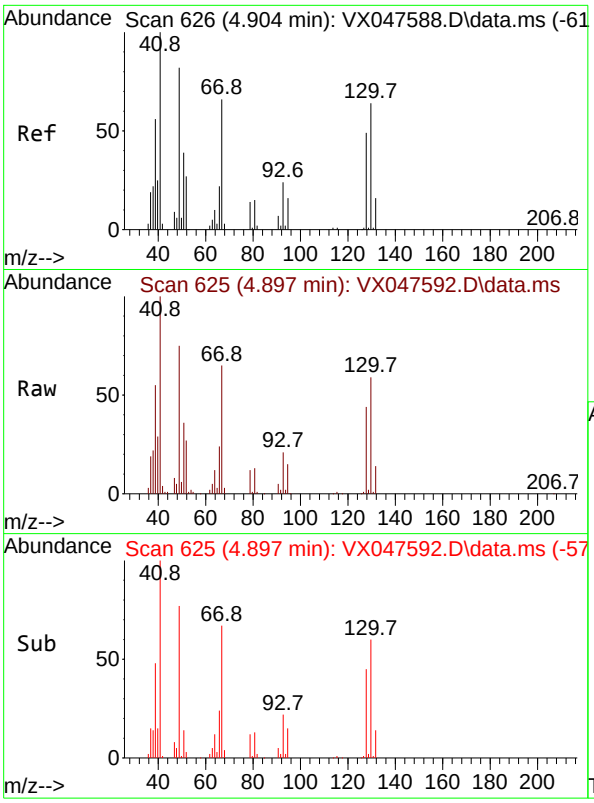


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

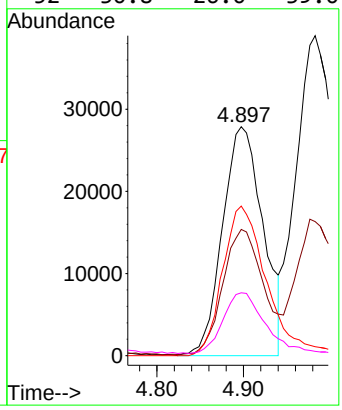




#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 9075

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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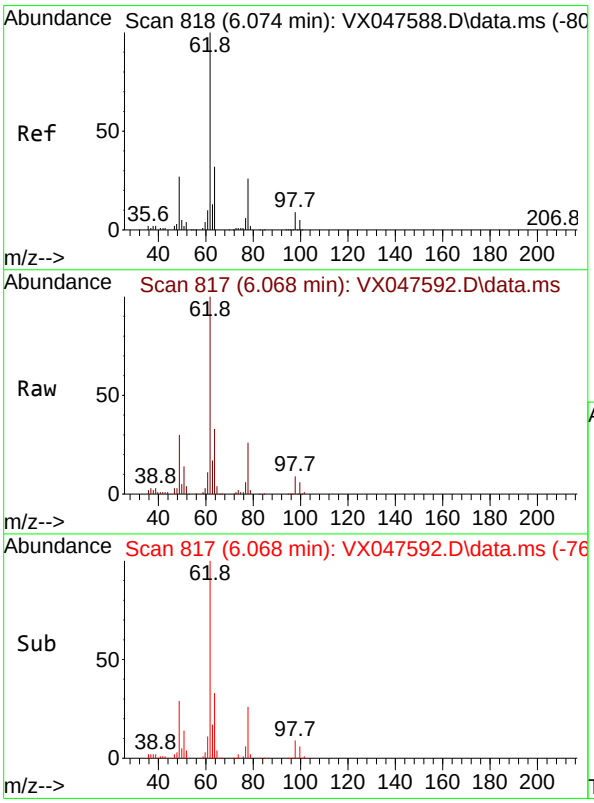
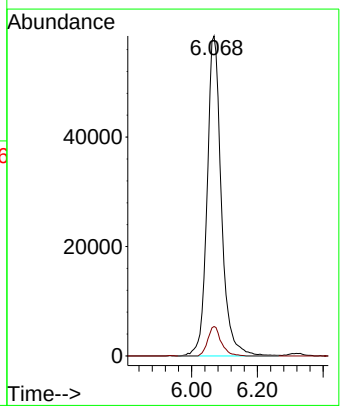
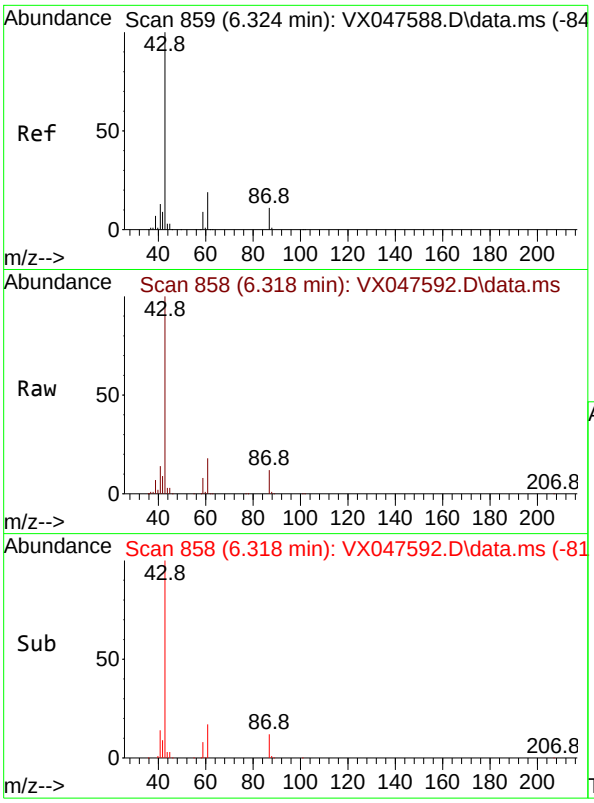


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

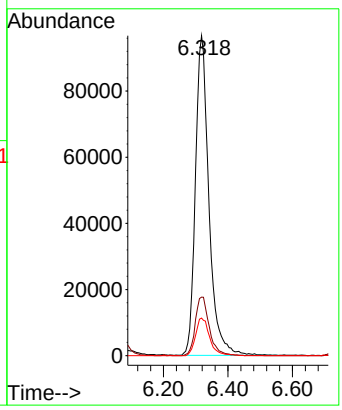




#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 28059

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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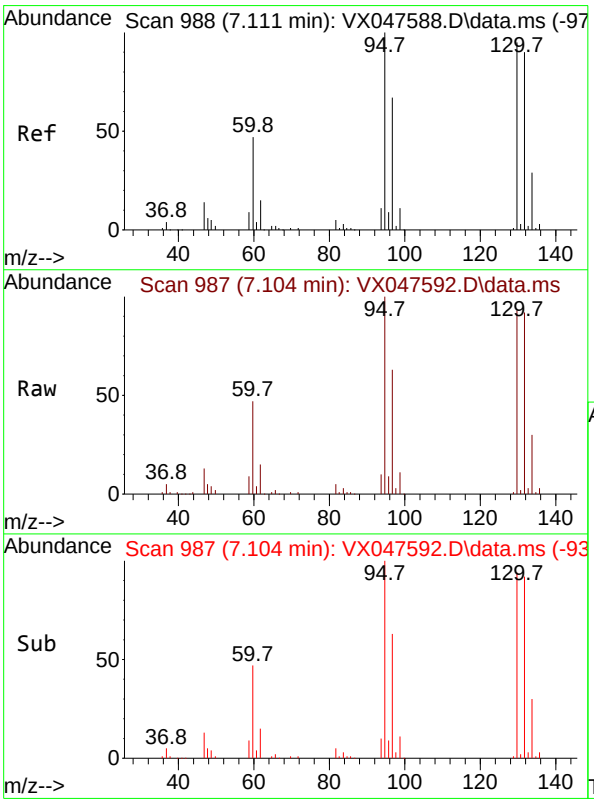
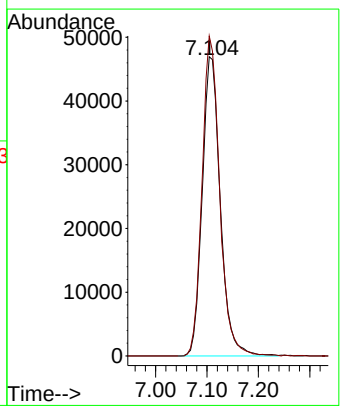
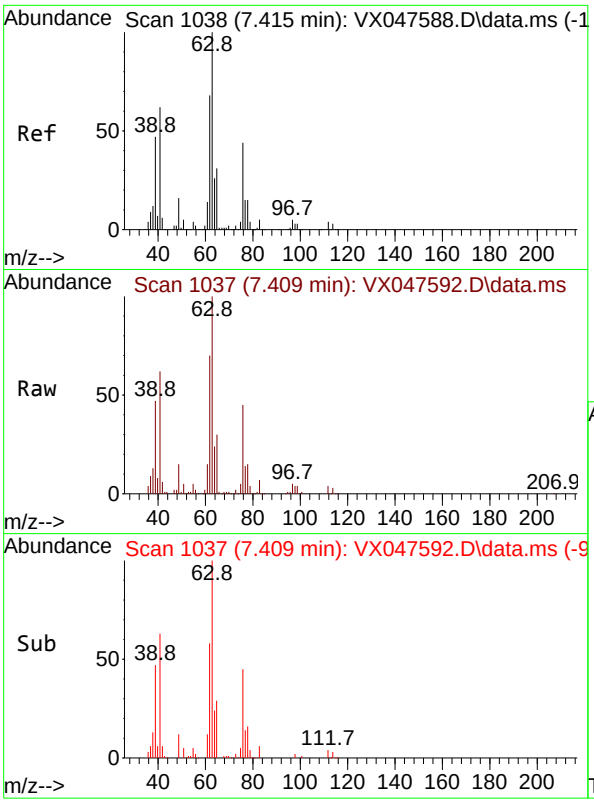


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8





#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 12153

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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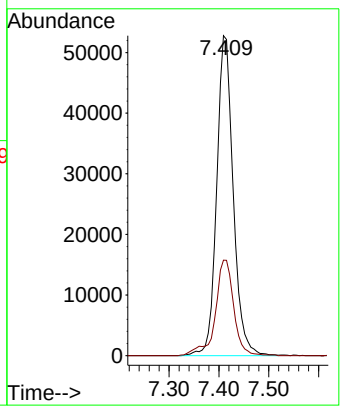
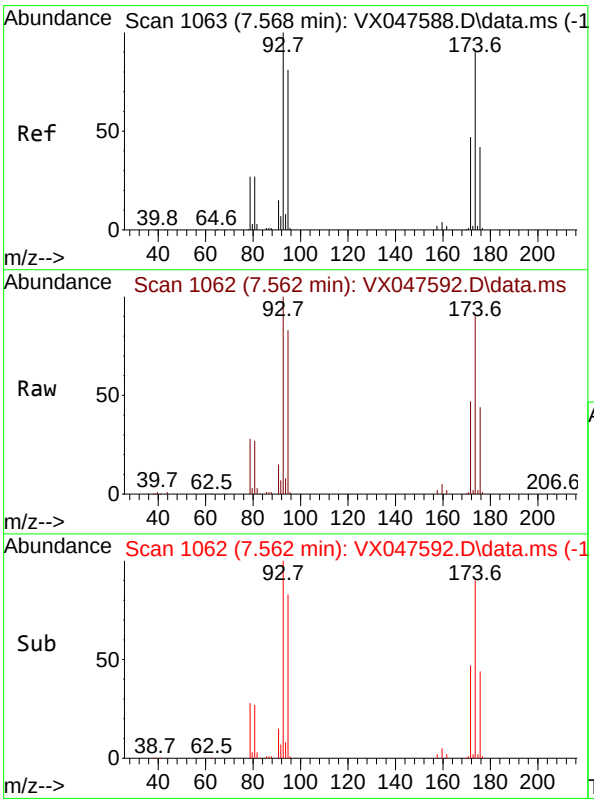
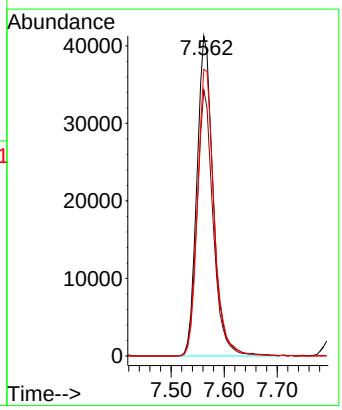


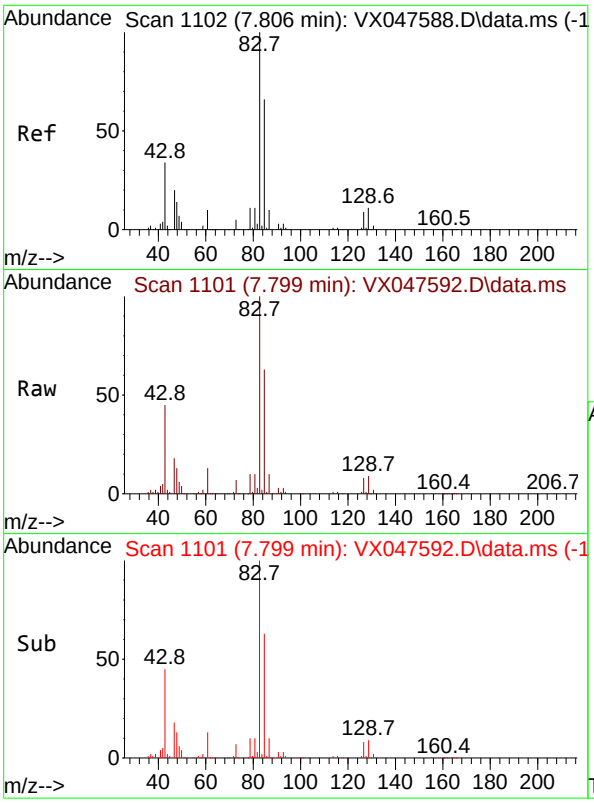


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4

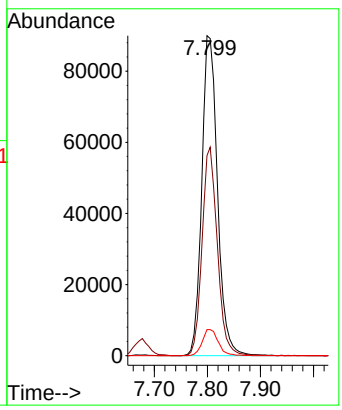




#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 18521

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
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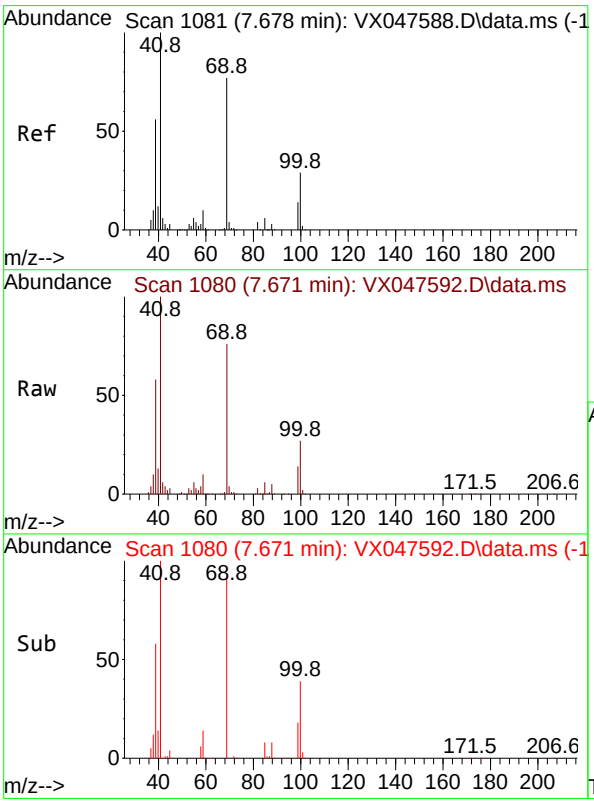
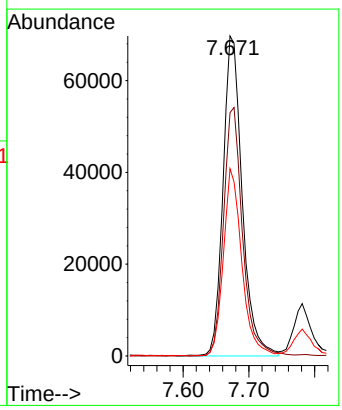
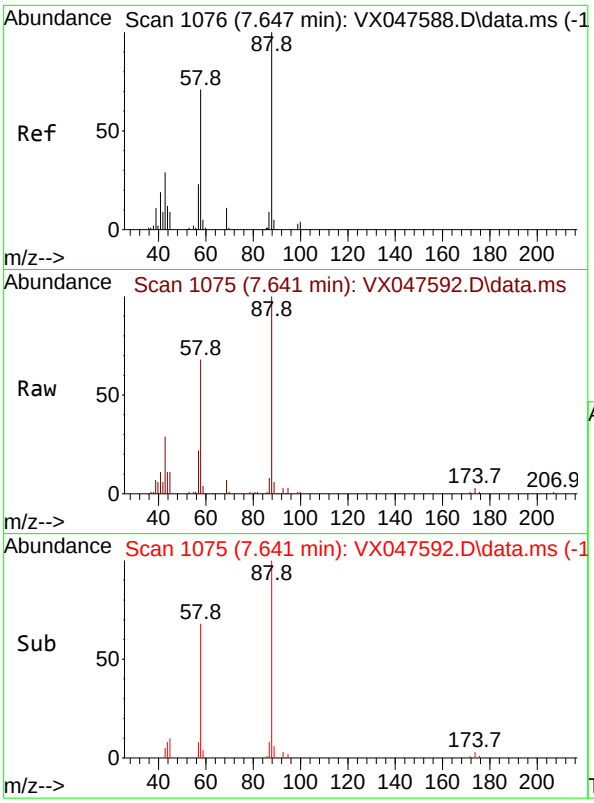


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6

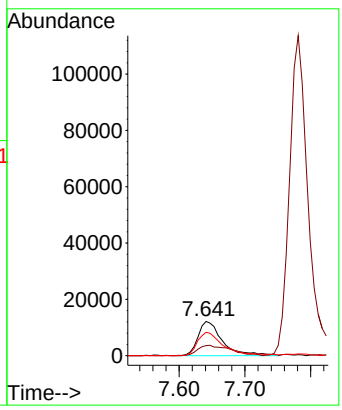




#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 88 Resp: 3132

Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
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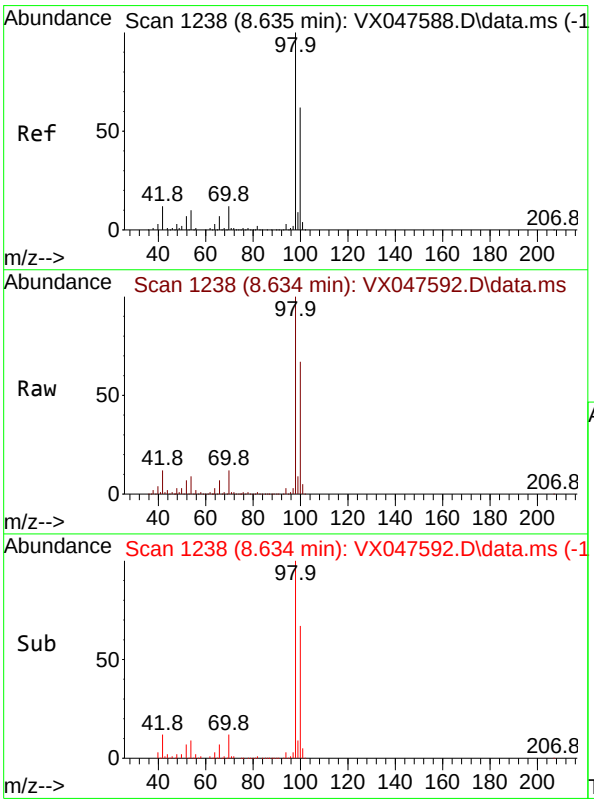
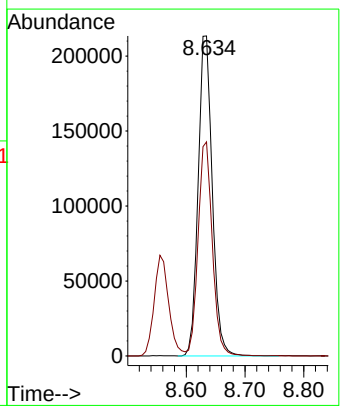
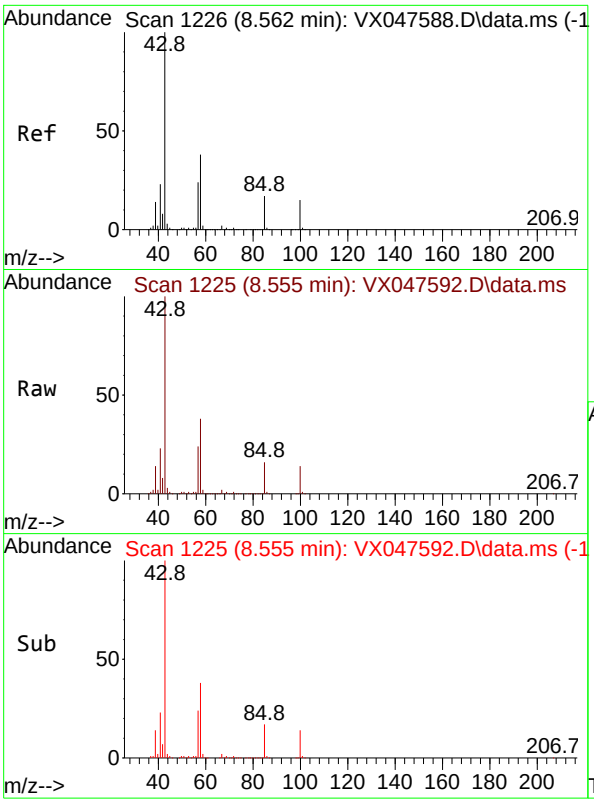


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

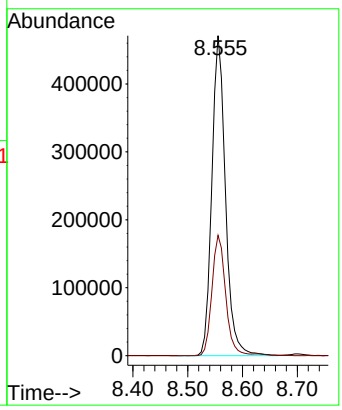




#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 80975

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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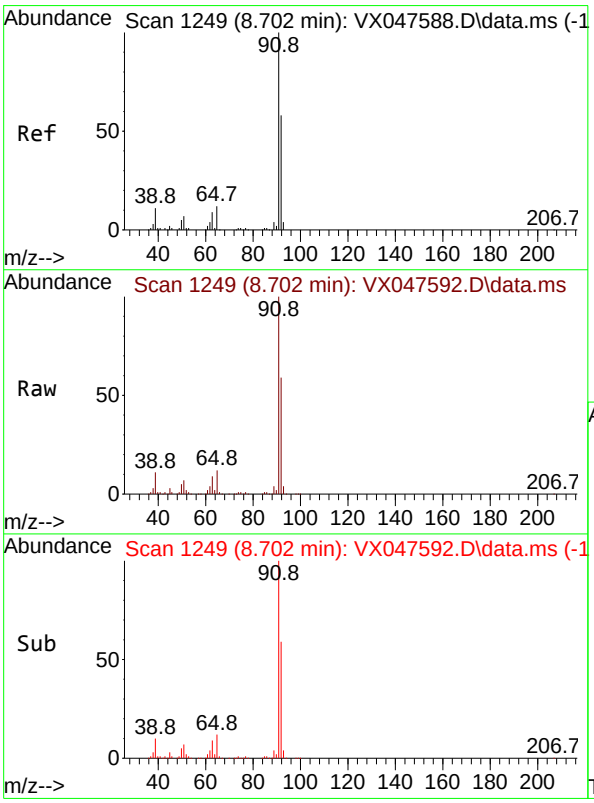
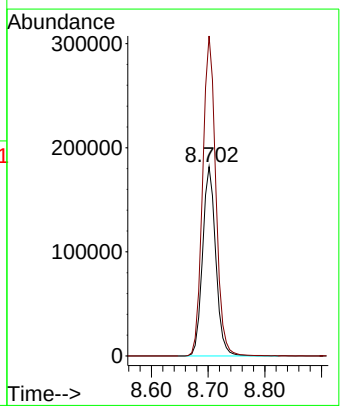
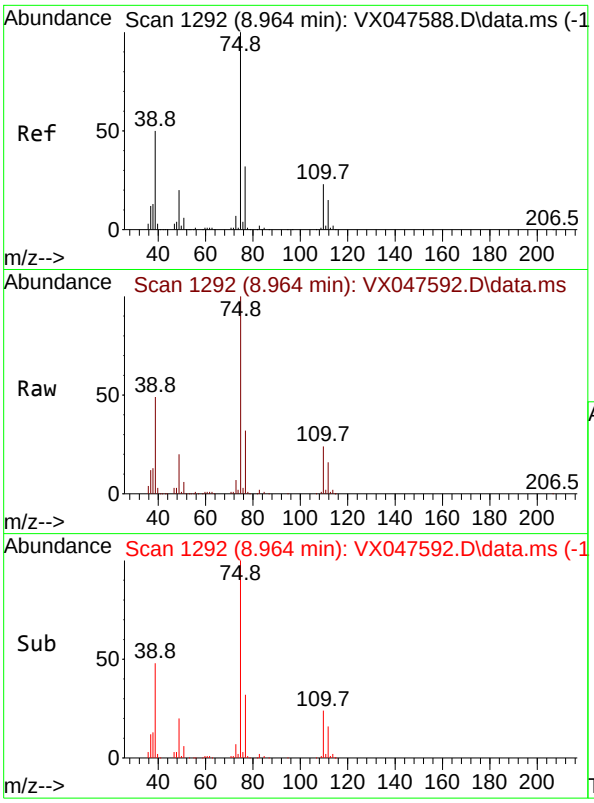


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7

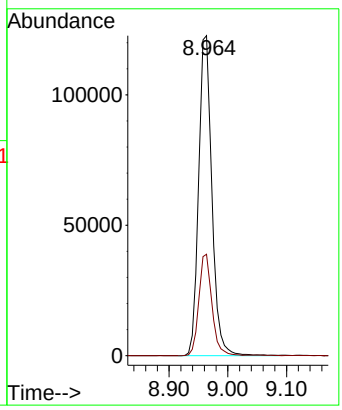




#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 19186

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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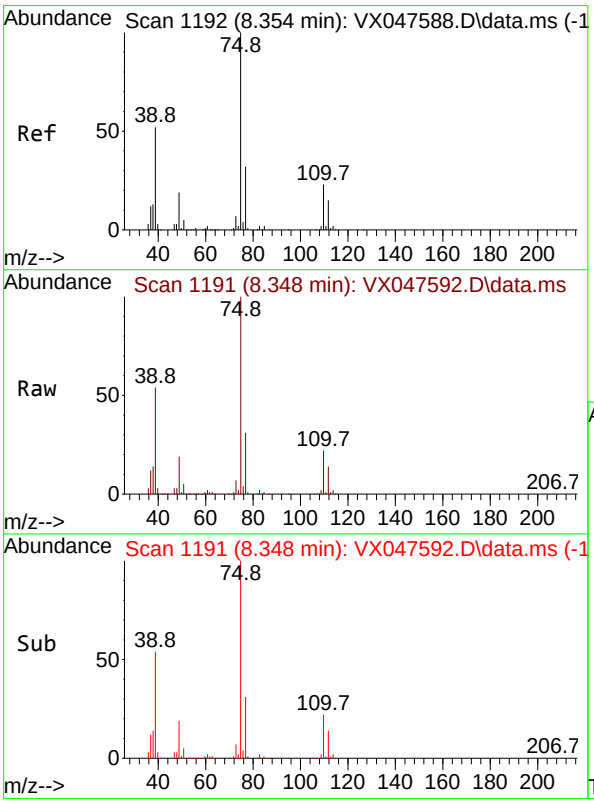
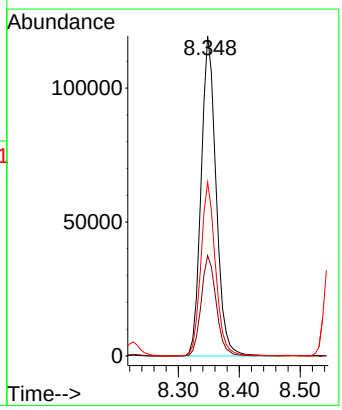
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

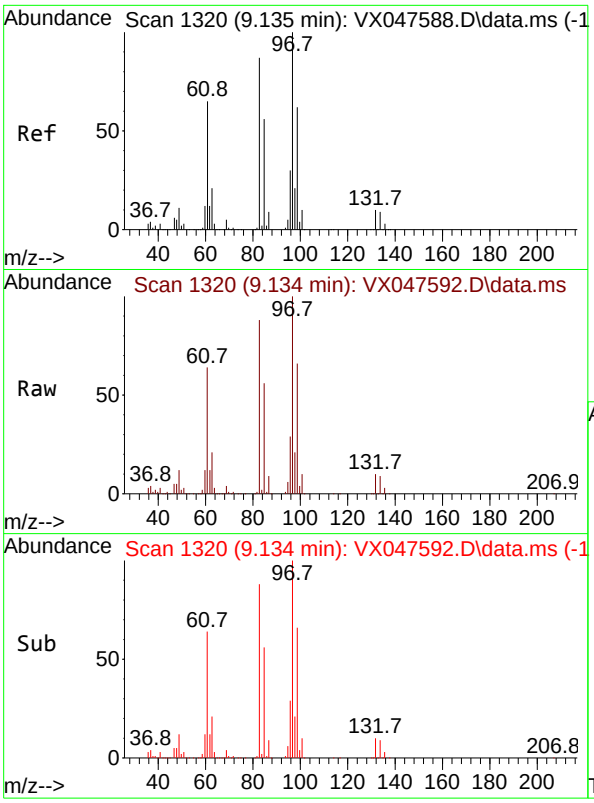


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2

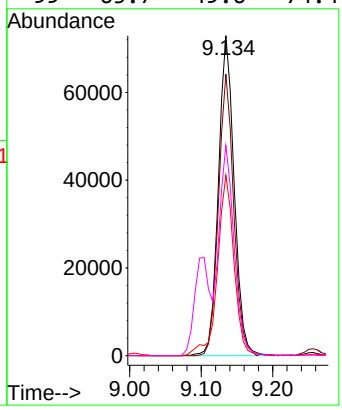




#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 11209

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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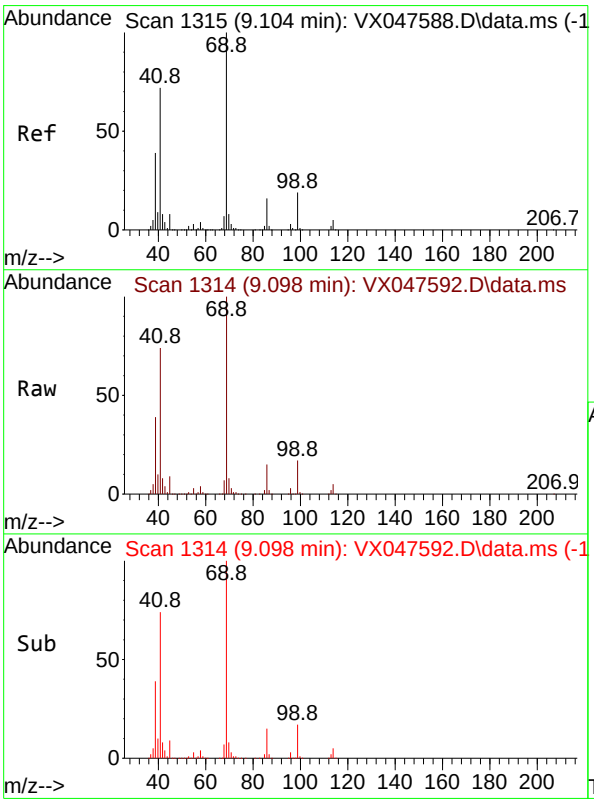
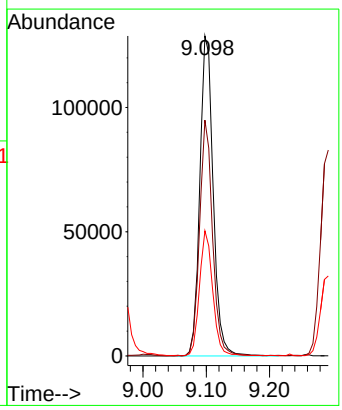
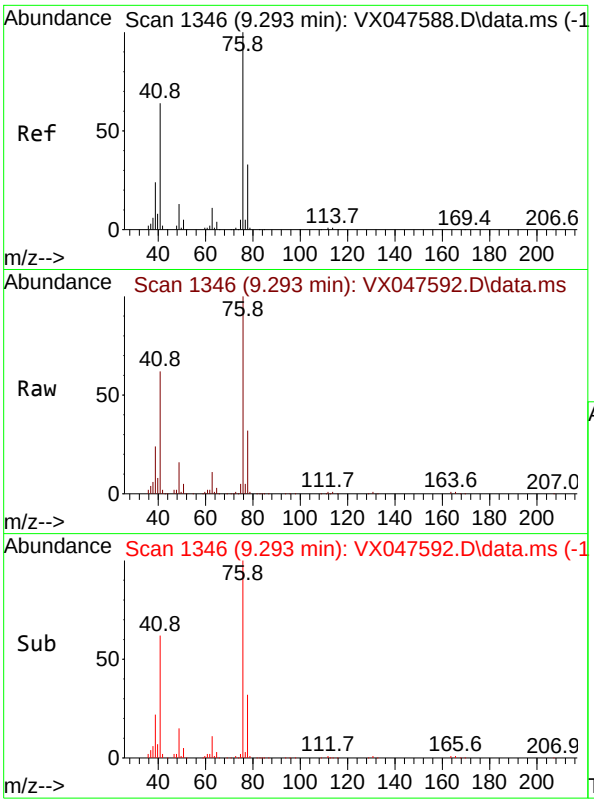


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

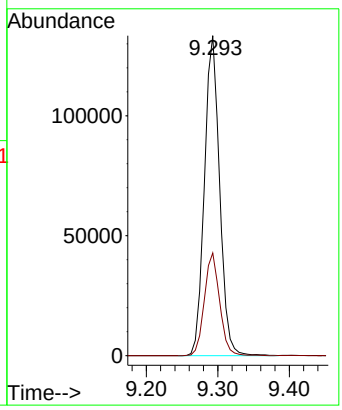




#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 19707

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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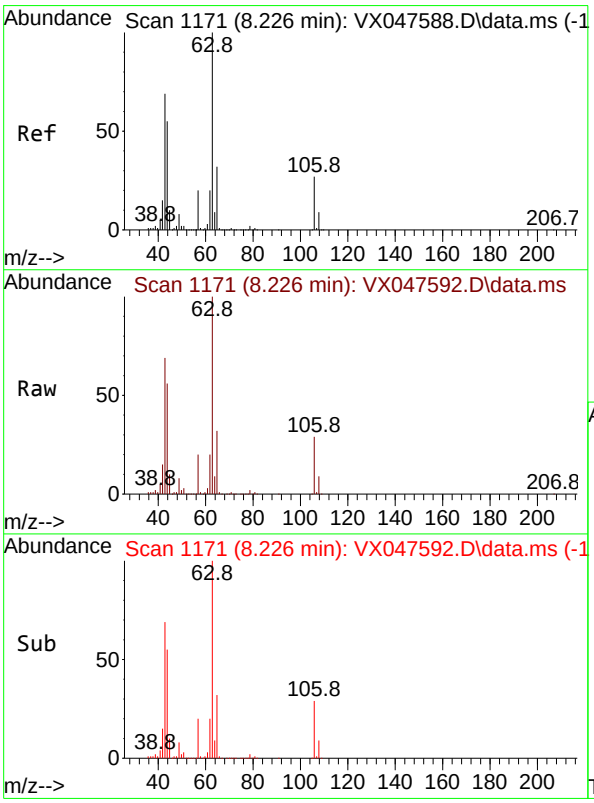
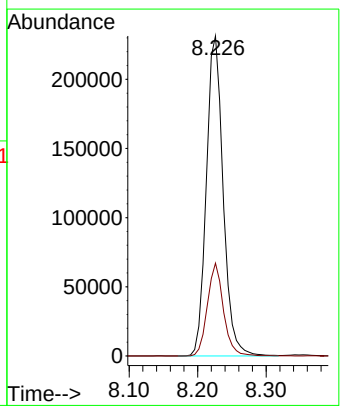
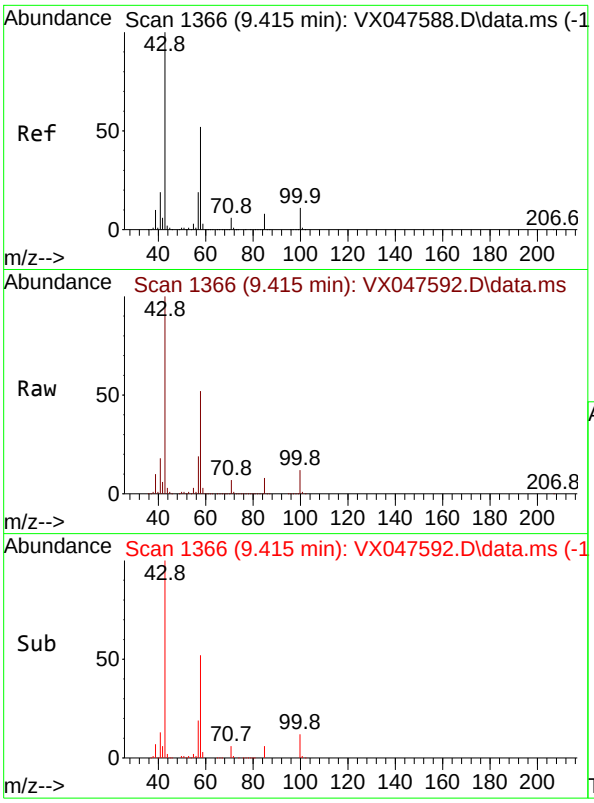


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9





#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 575599

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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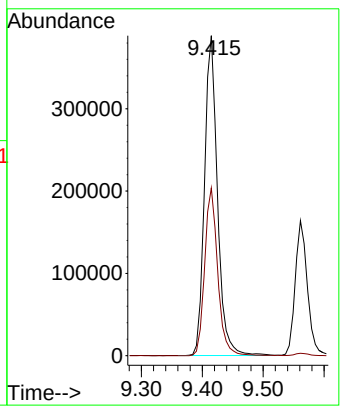
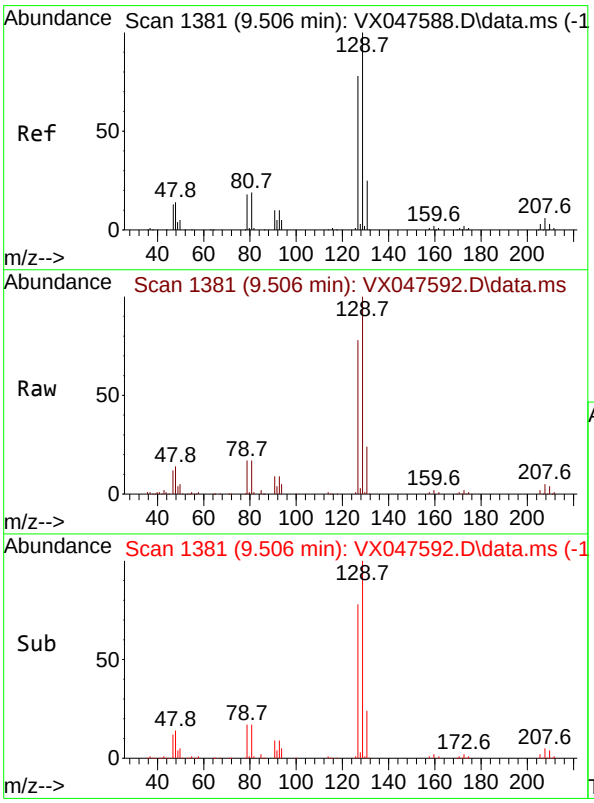
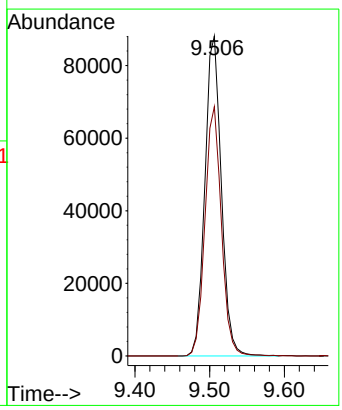


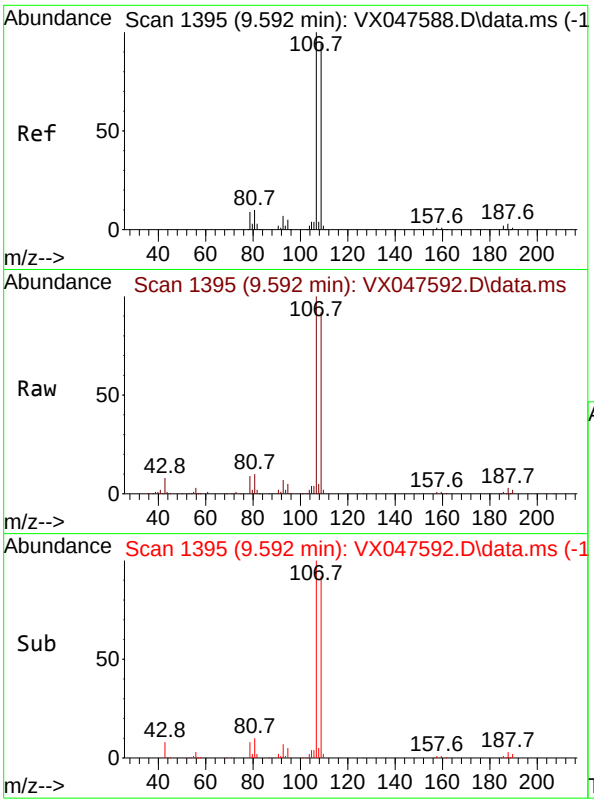


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2





#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:107 Resp: 11781

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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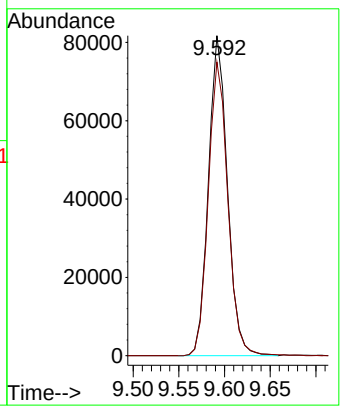
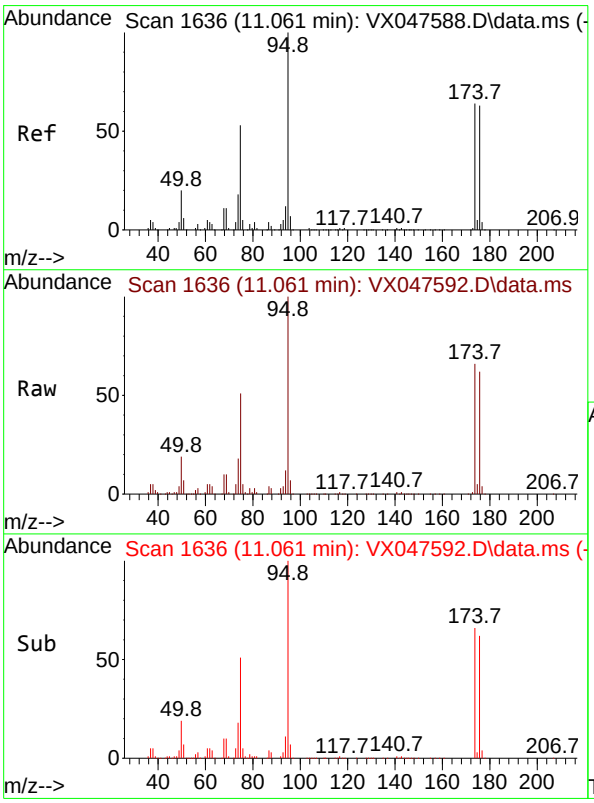
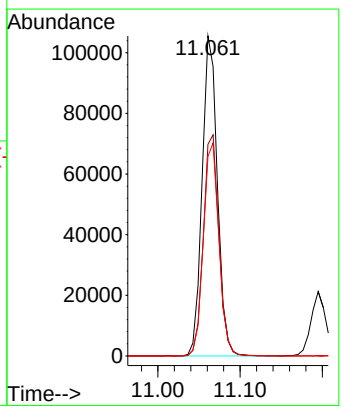


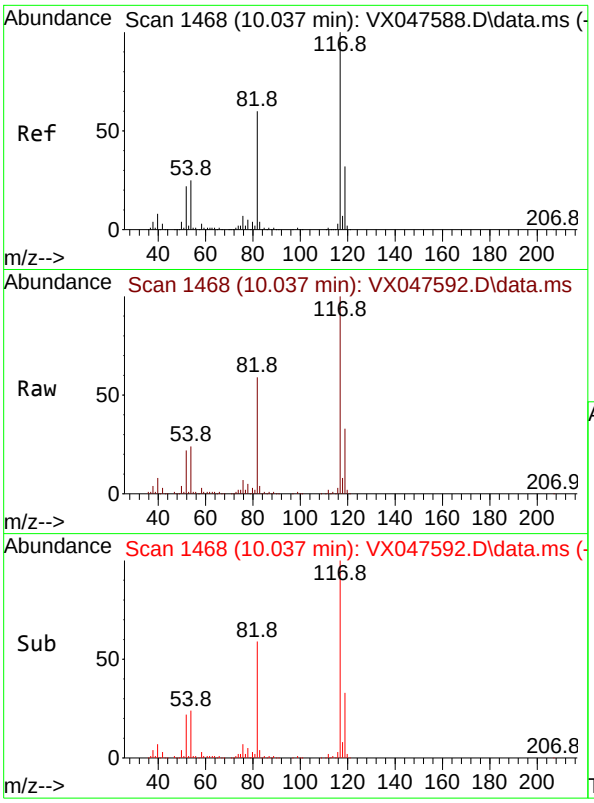


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4

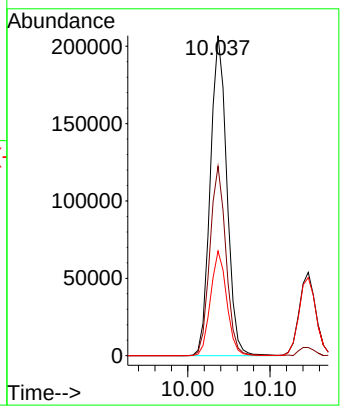




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 28866

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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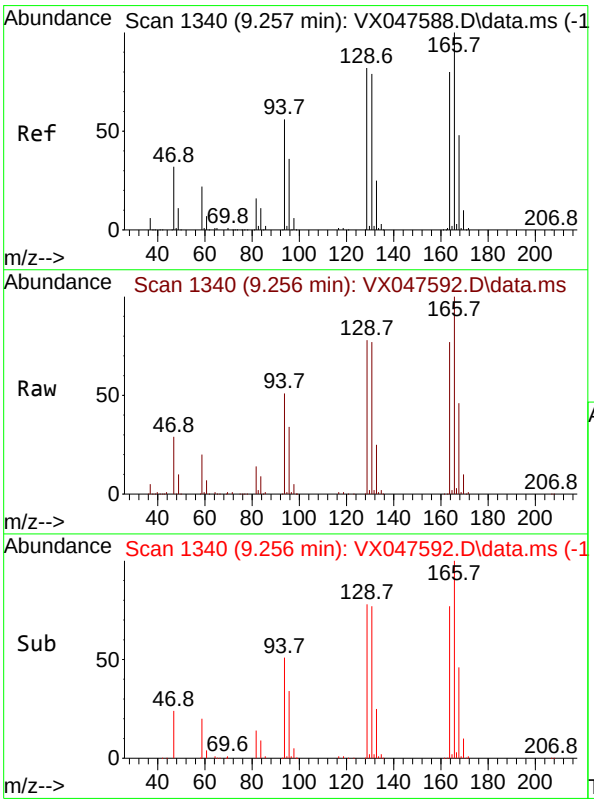
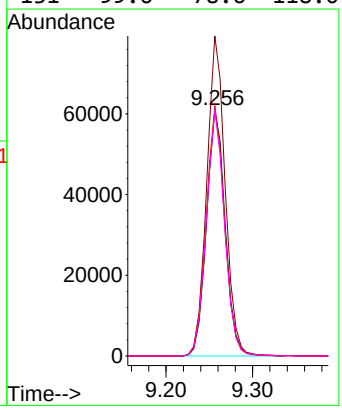
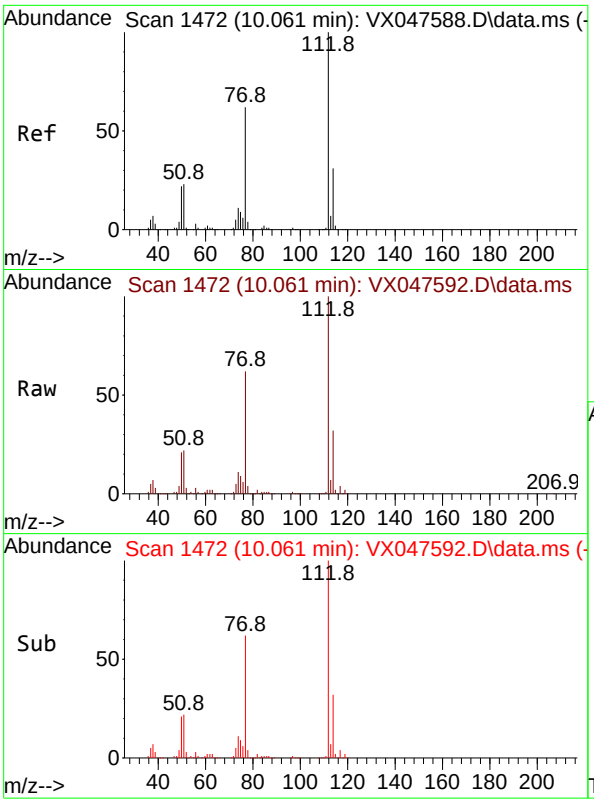


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0

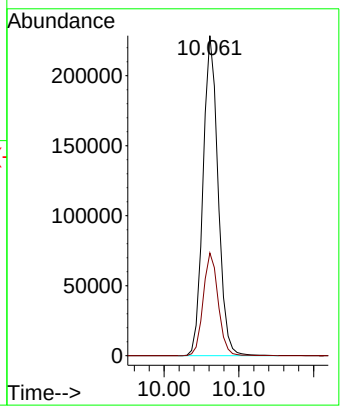




#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:112 Resp: 31837

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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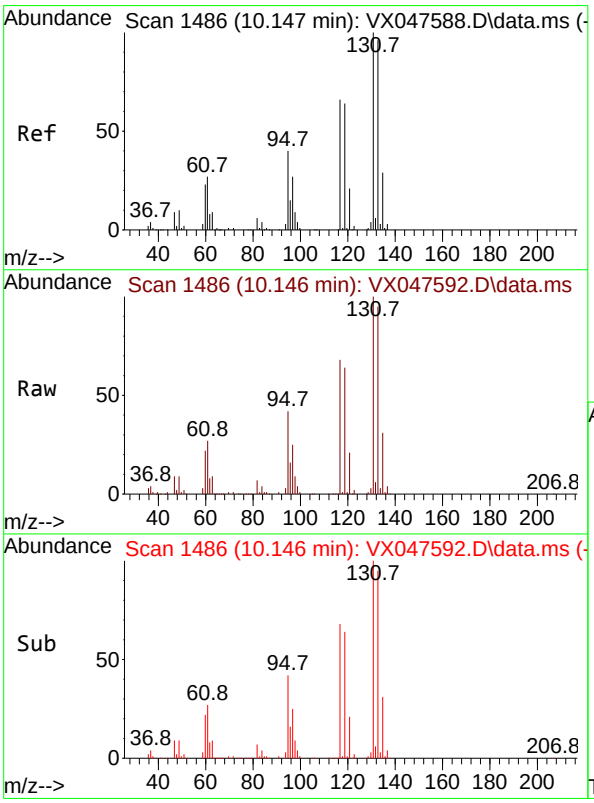
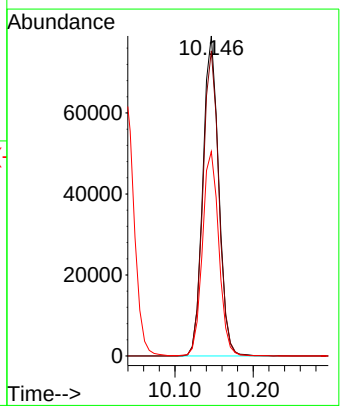
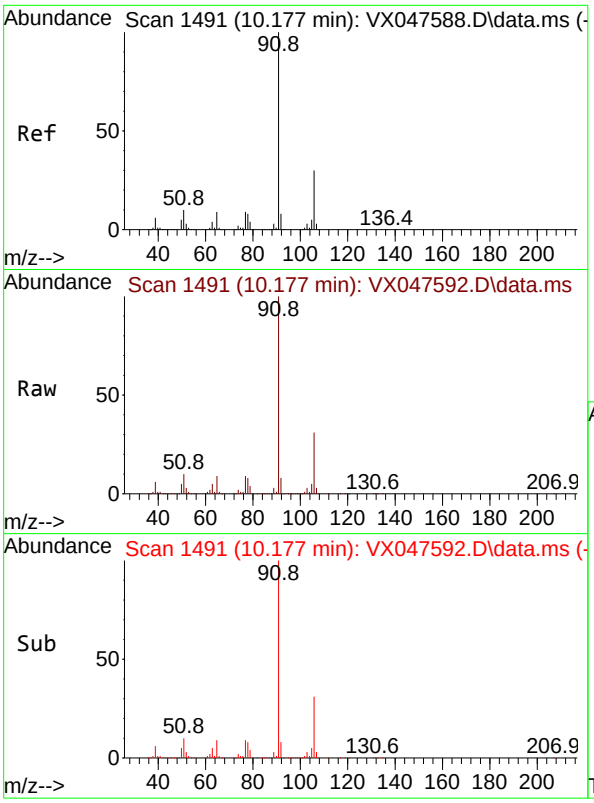


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0

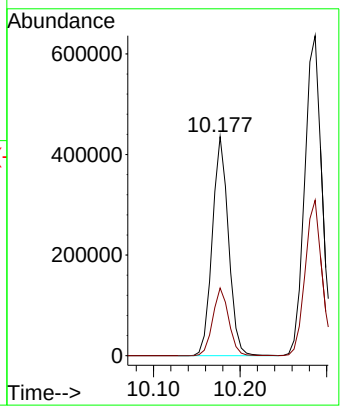




#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 56363

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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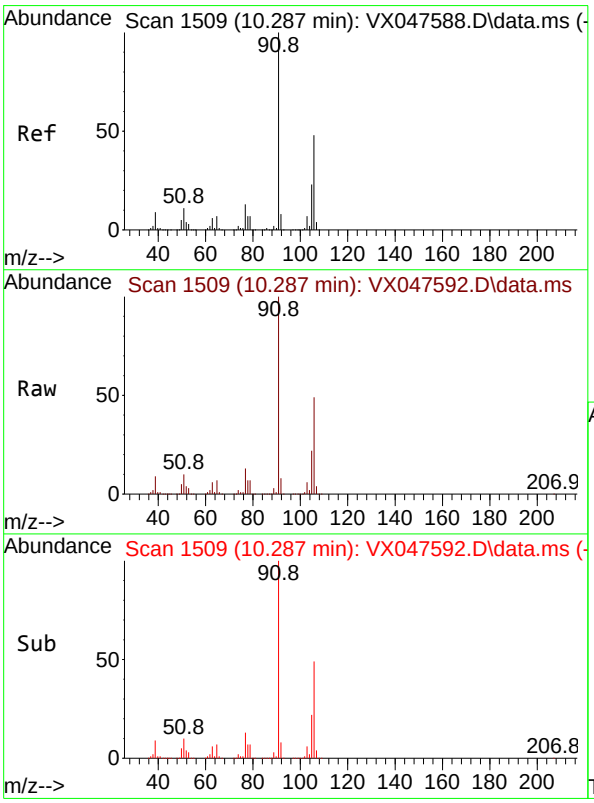
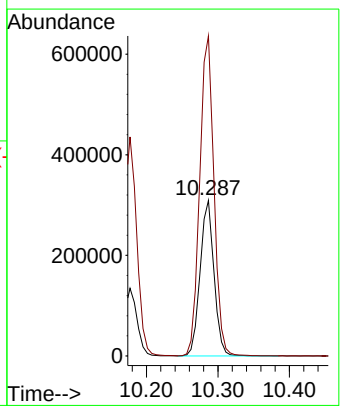
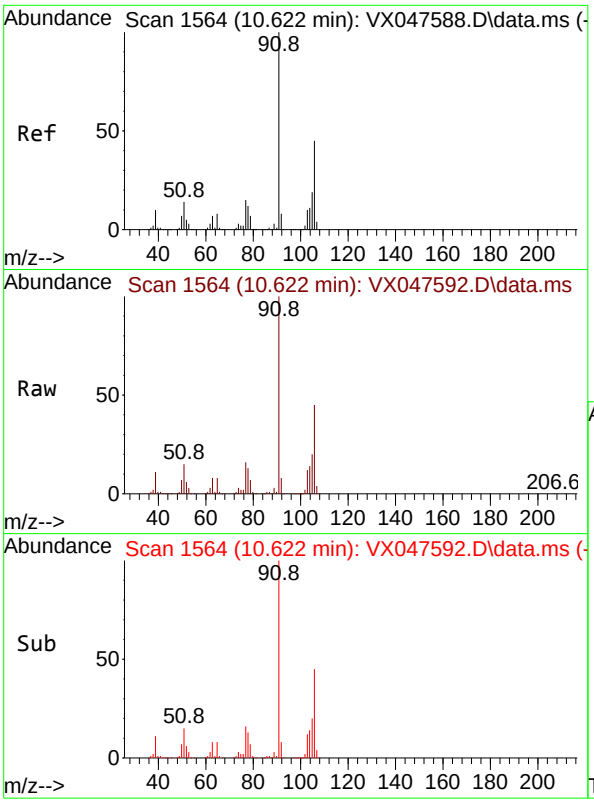


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8





#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 20432

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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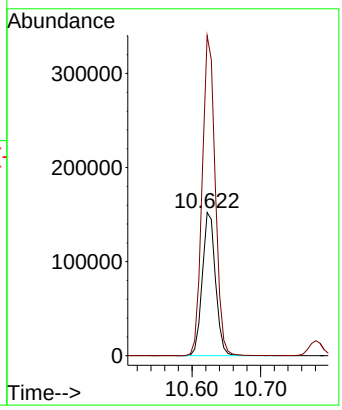
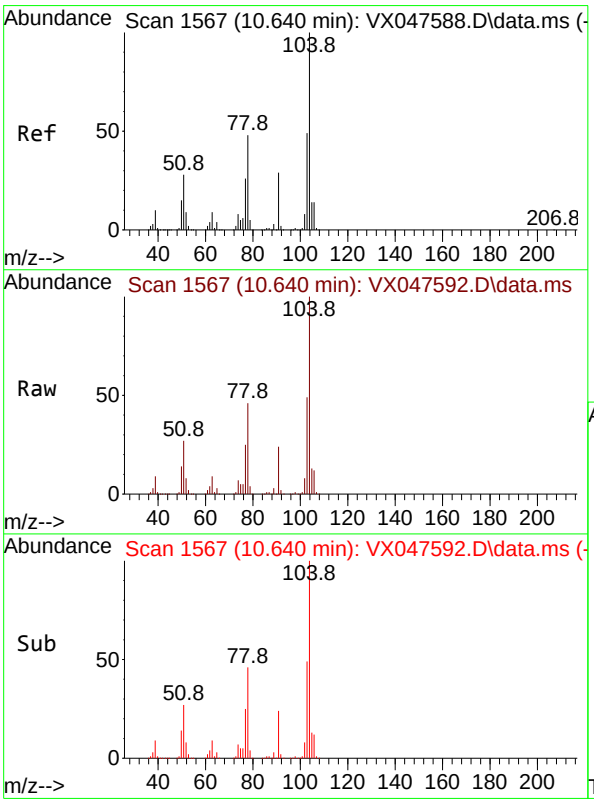
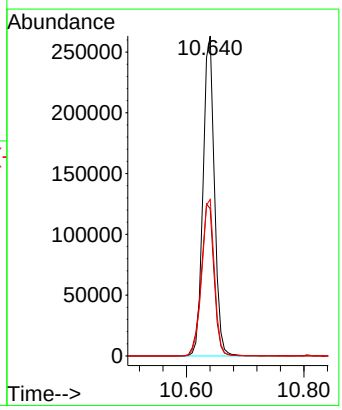


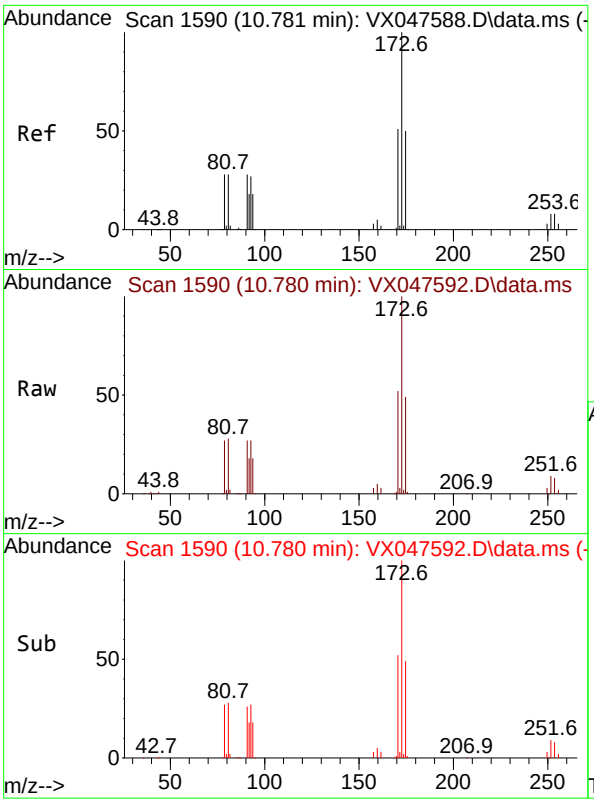


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7

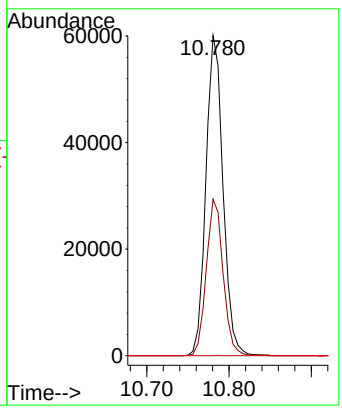




#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:173 Resp: 8652

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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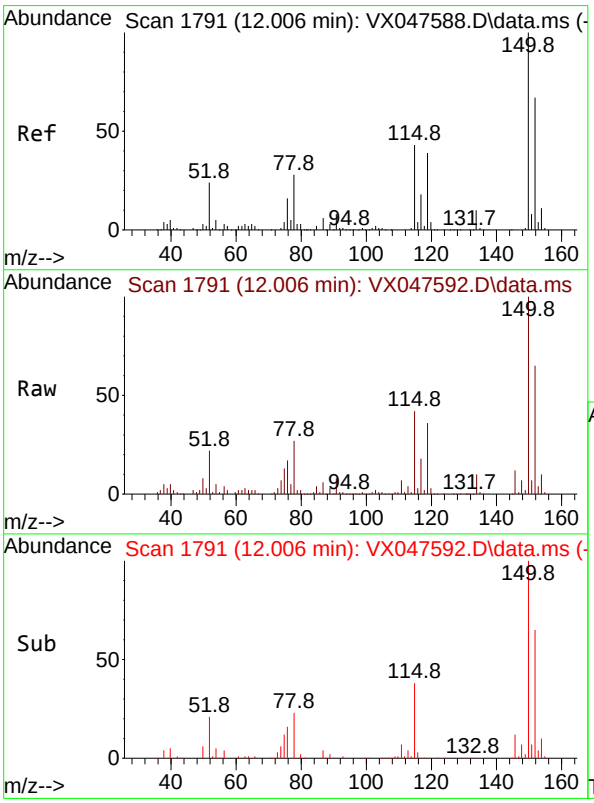
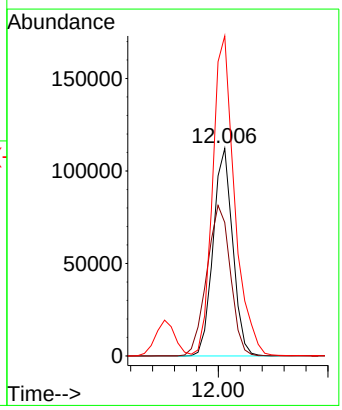
Supervised By :Mahesh Dadoda 09/18/2025

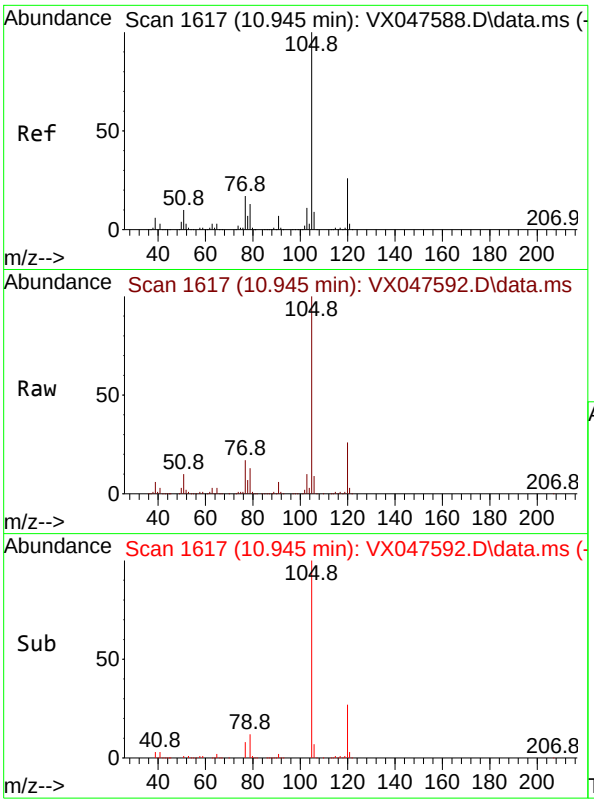


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0

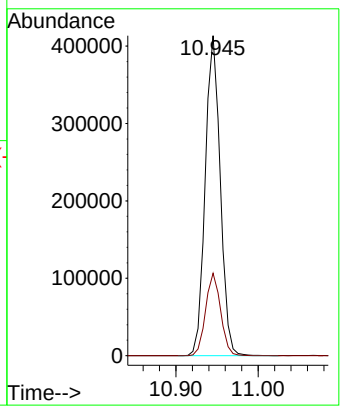




#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52382

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
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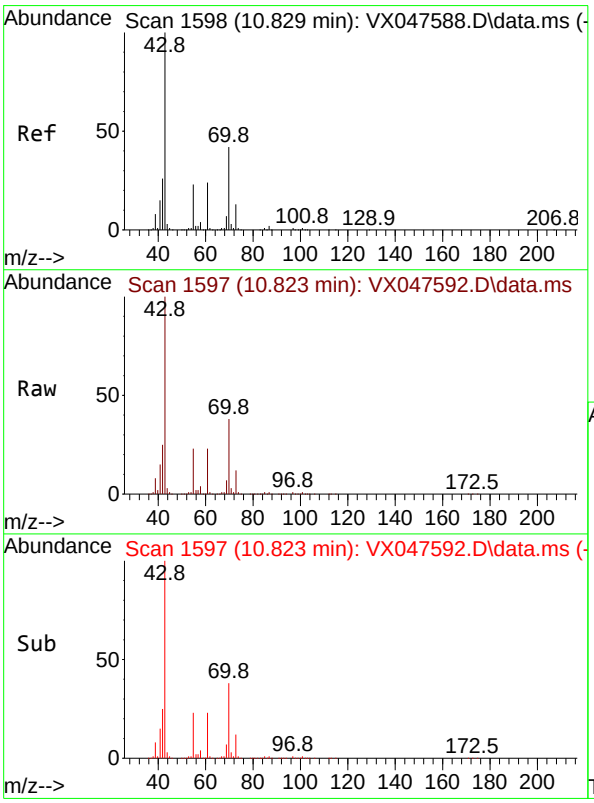
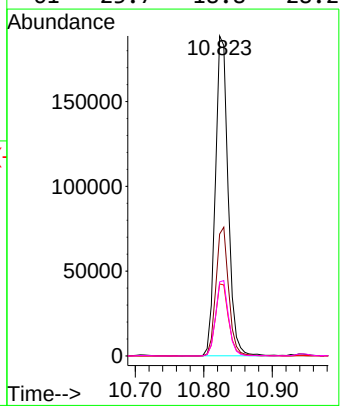
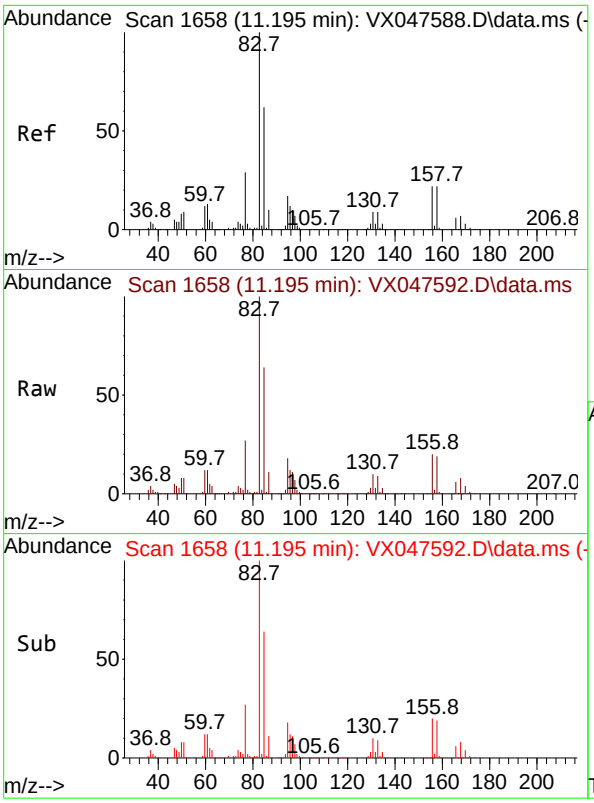


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 15967

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0

Instrument :
MSVOA_X
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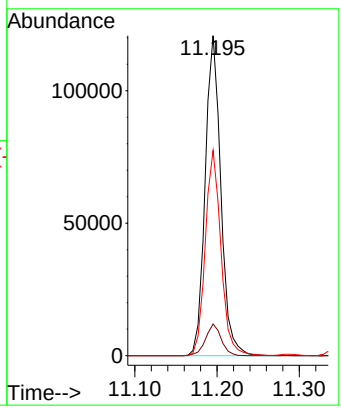
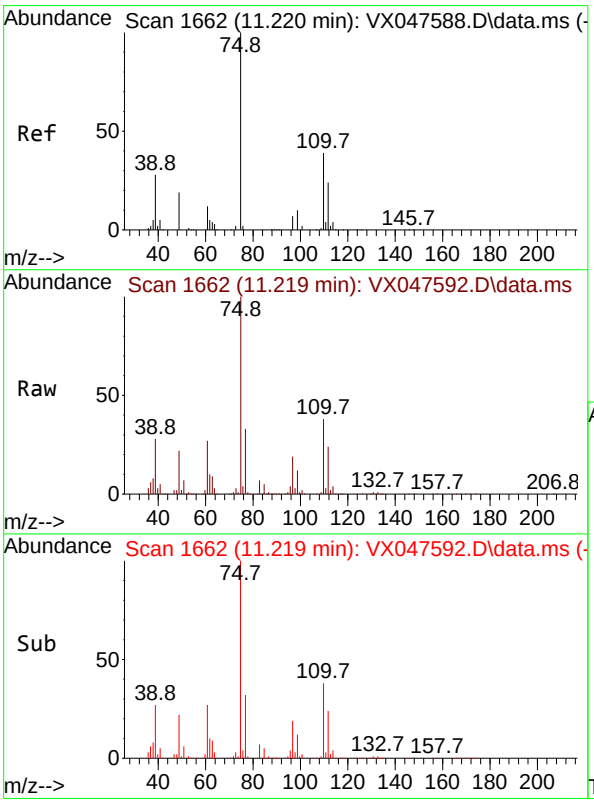
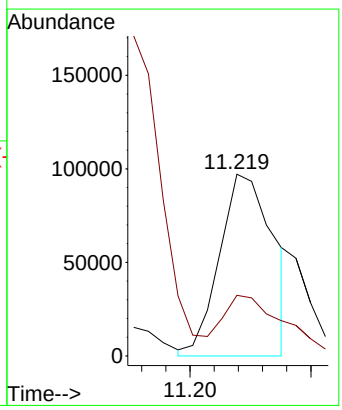


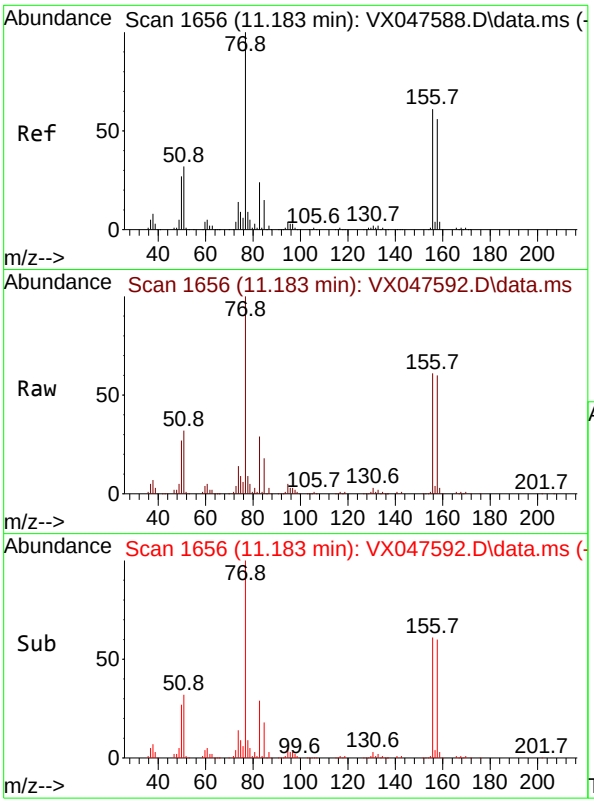


#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779

Ion	Ratio	Lower	Upper
75	100		
77	38.0	18.8	56.4





#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:156 Resp: 12561

Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
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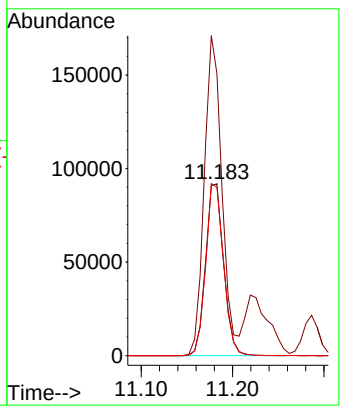
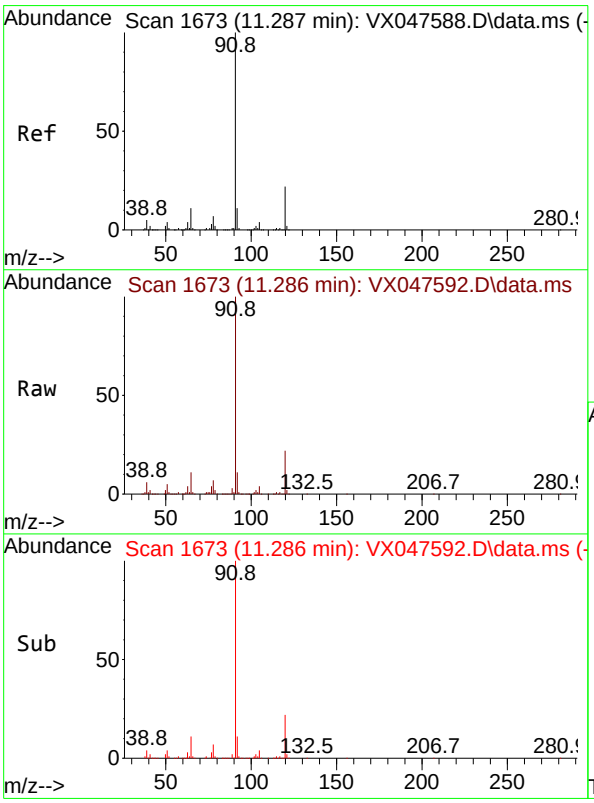
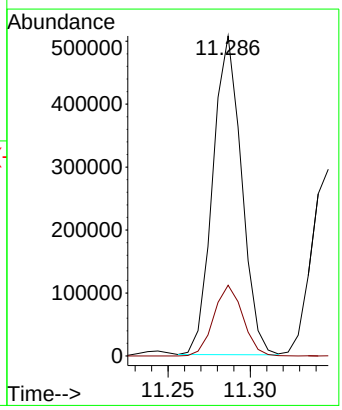


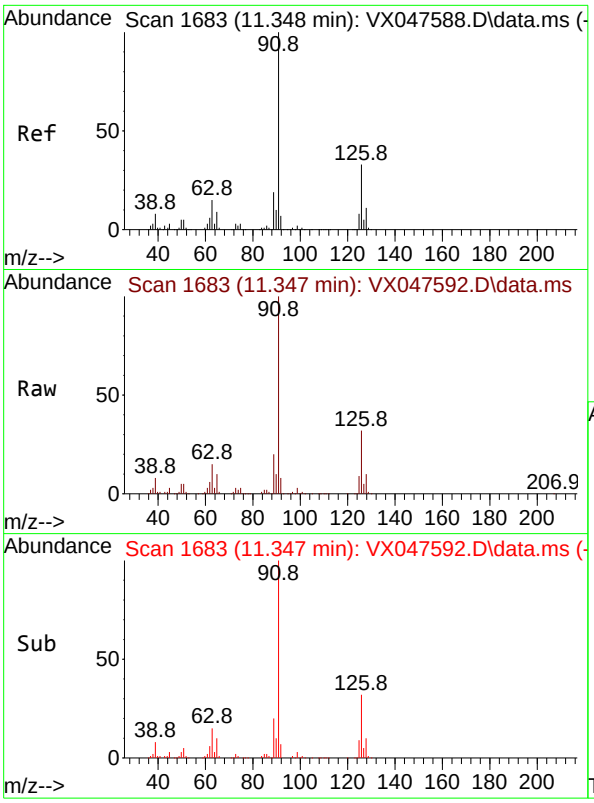


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

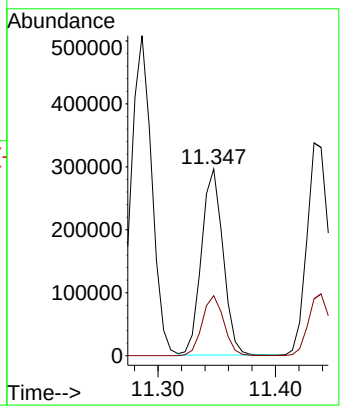




#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 37648

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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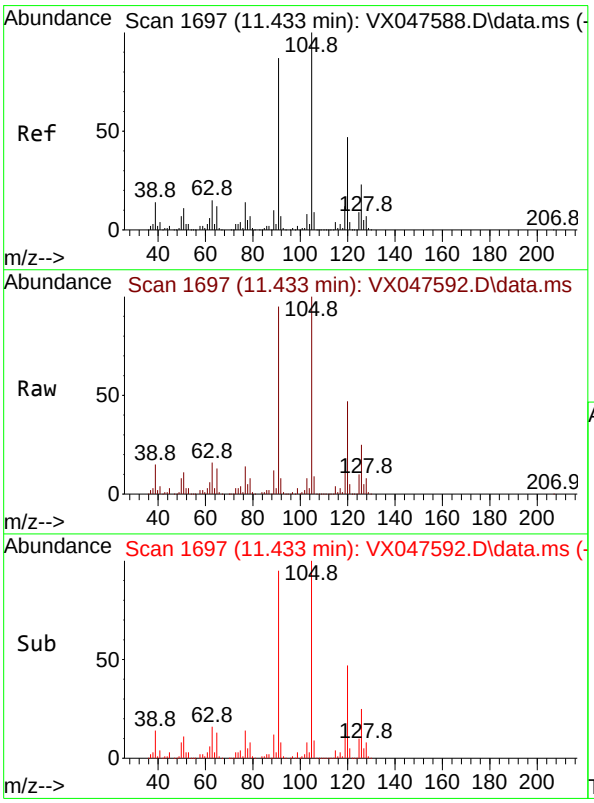
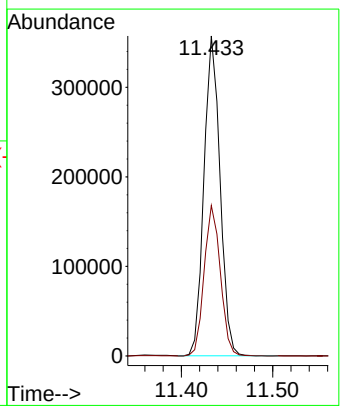
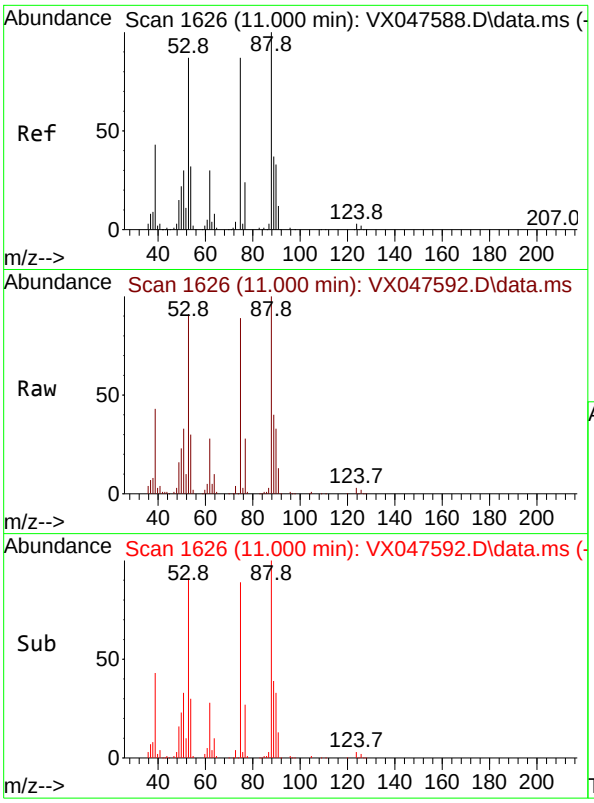


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 5588

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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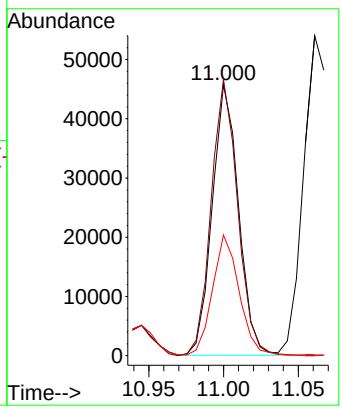
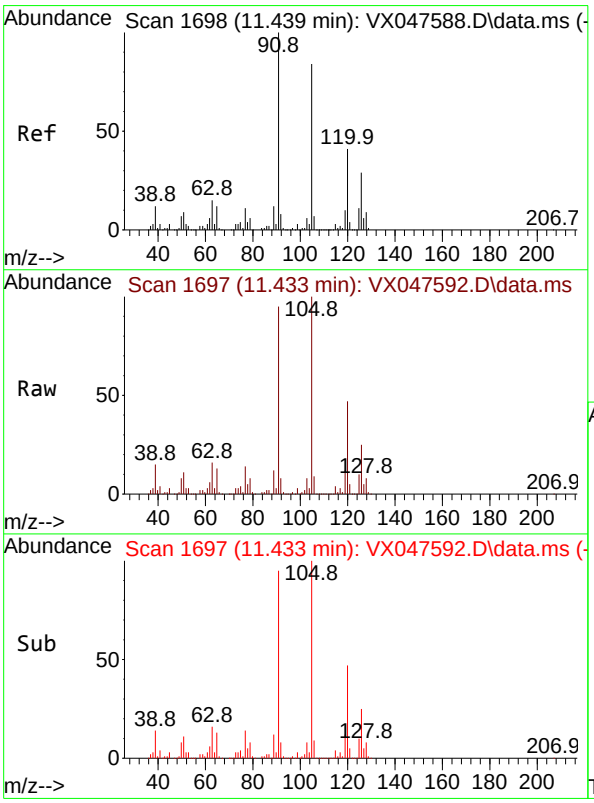
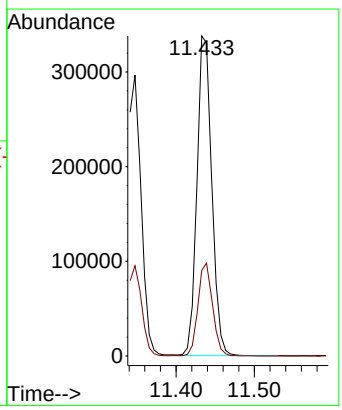


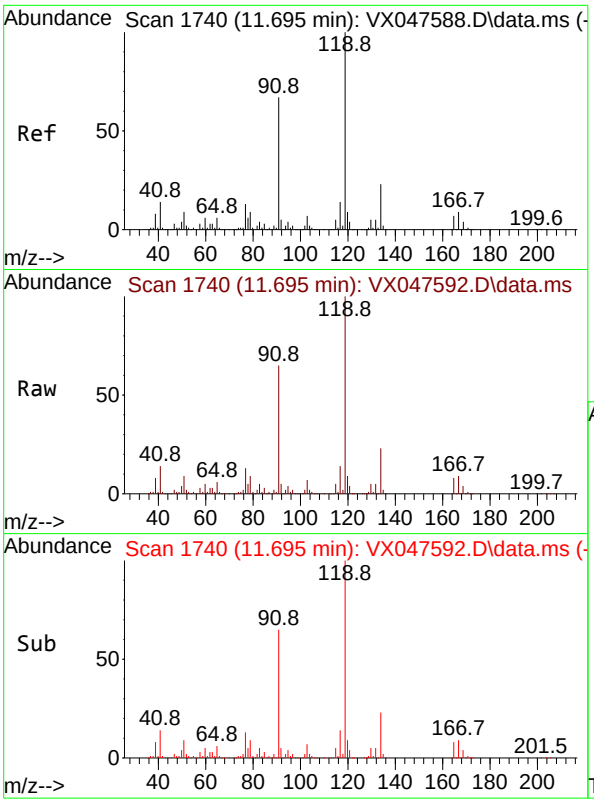


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

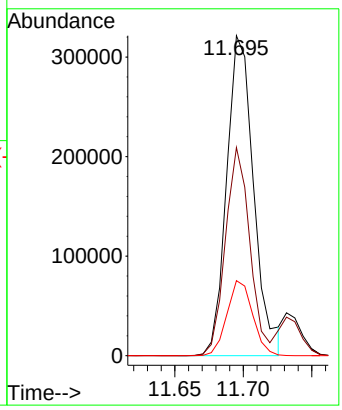




#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 44234

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
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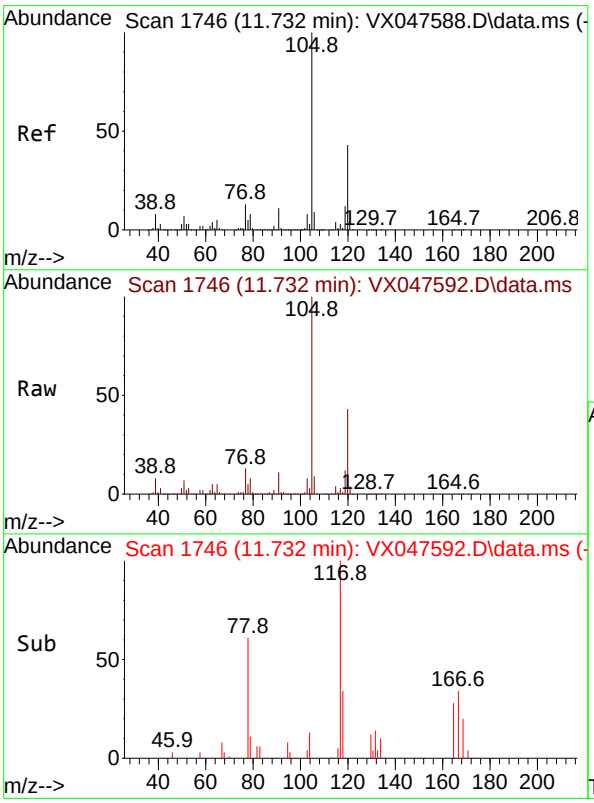
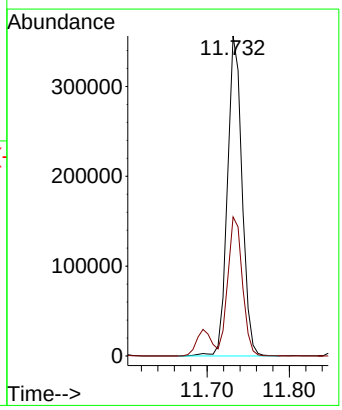
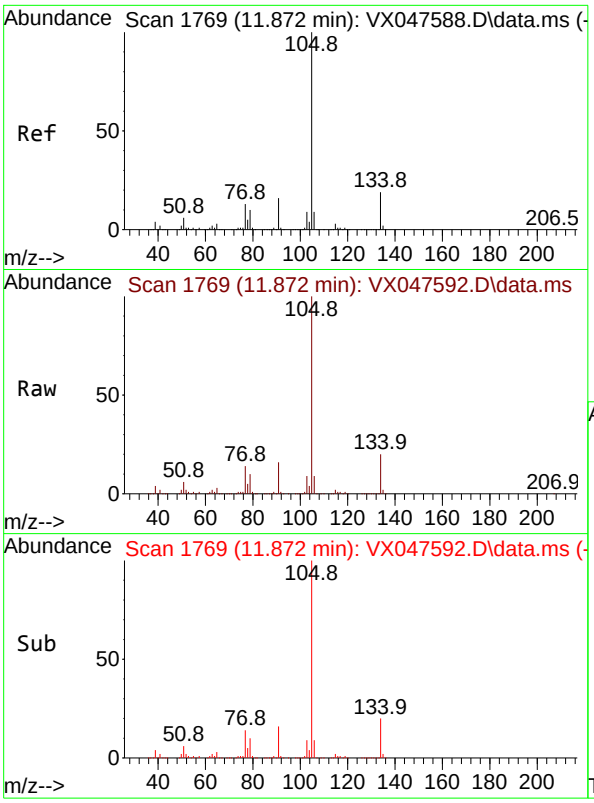


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

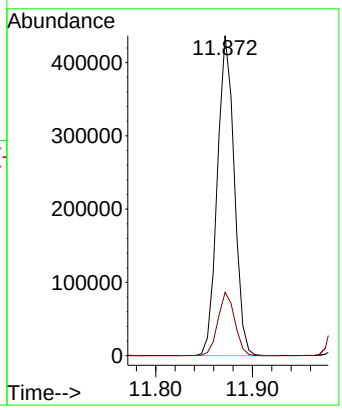




#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52986

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
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ClientSampleId :
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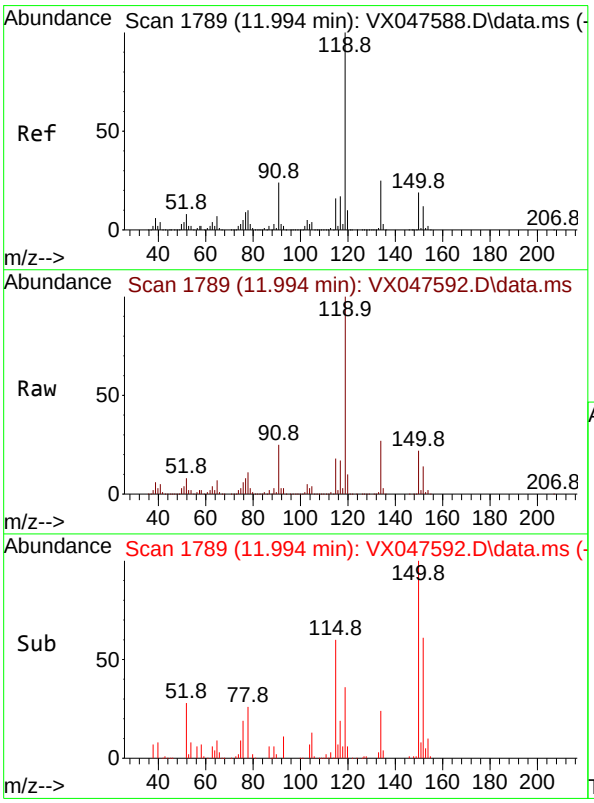
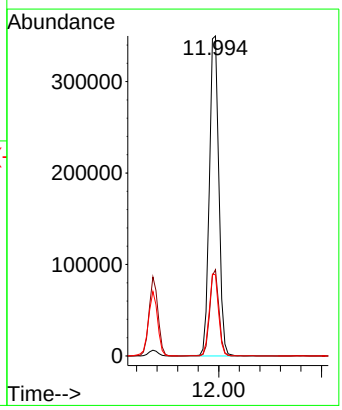
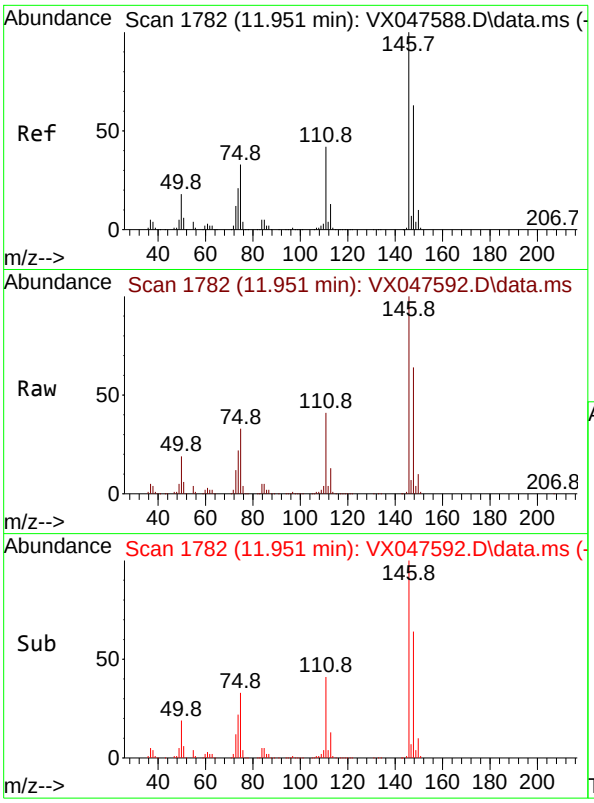


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6

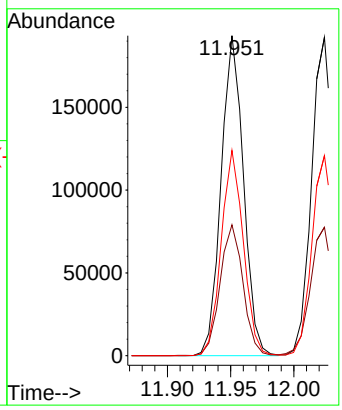




#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 23738

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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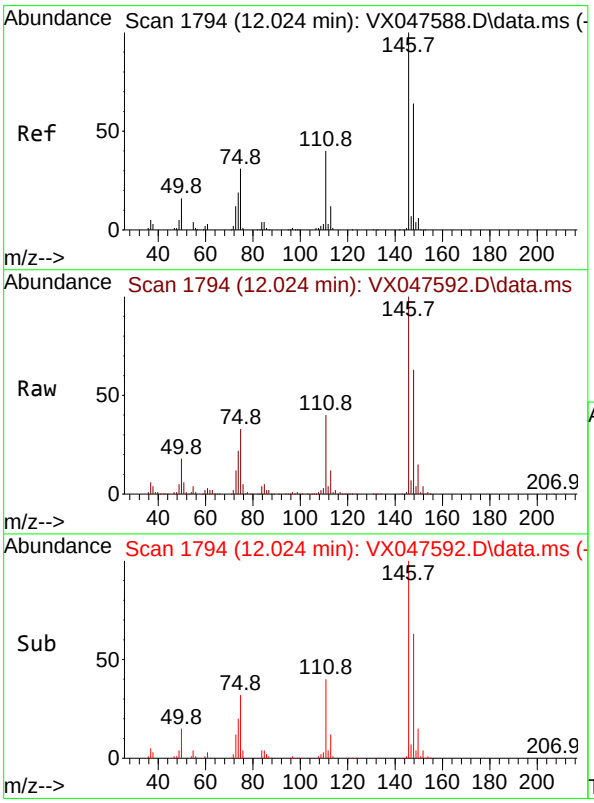
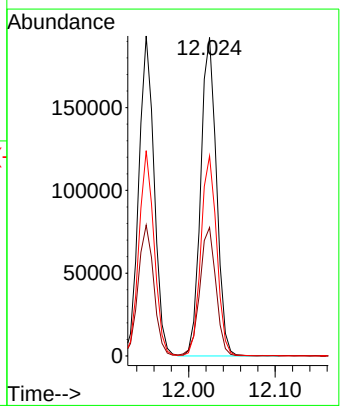
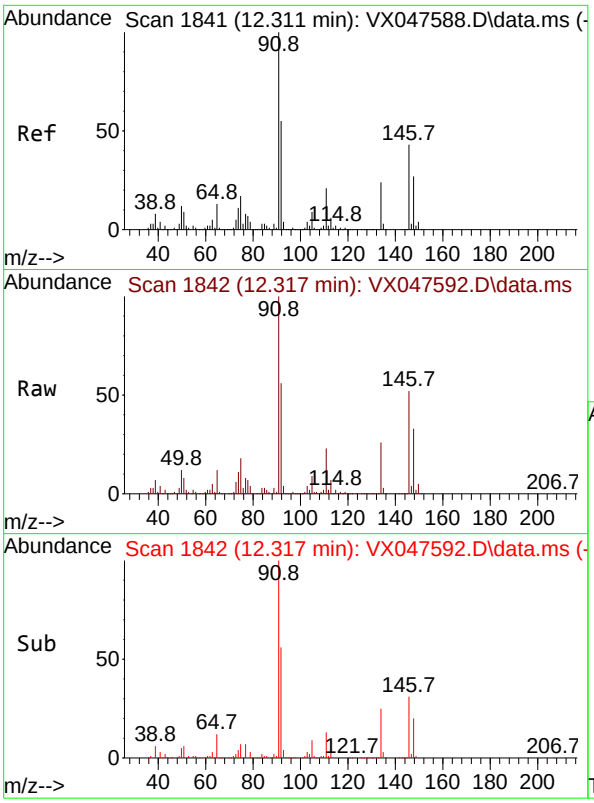


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1

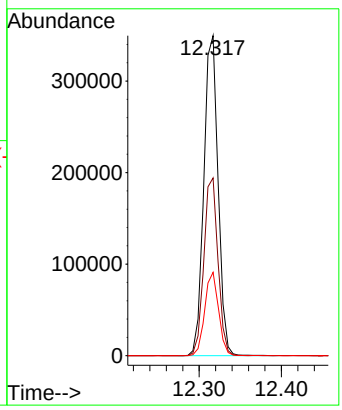




#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 42047

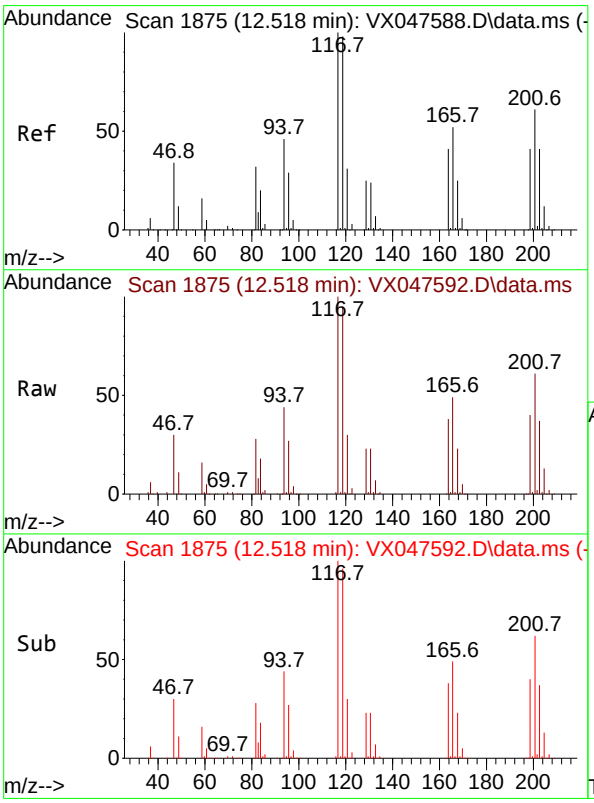
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

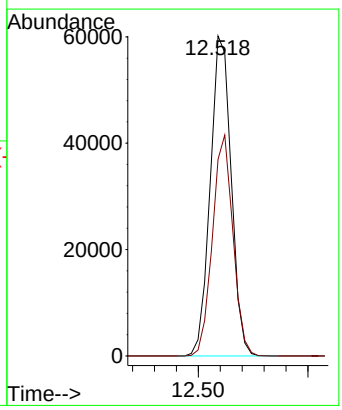
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

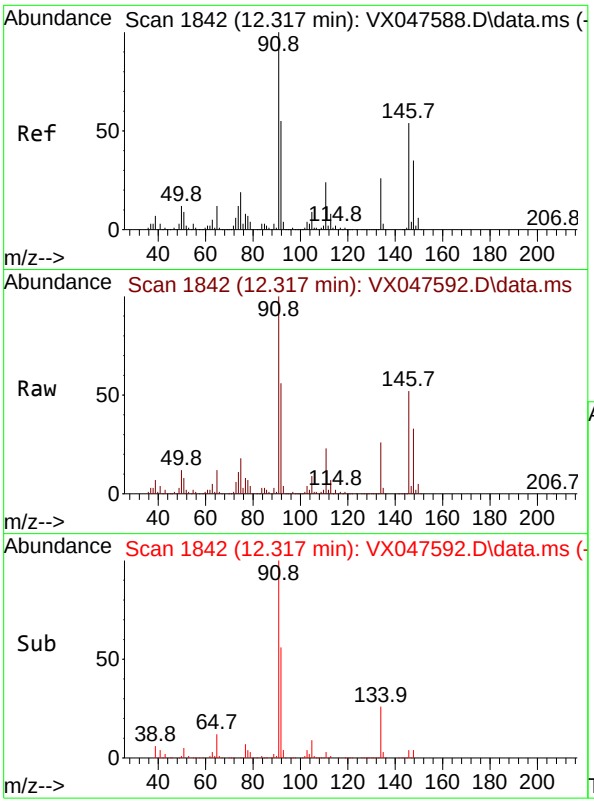


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5

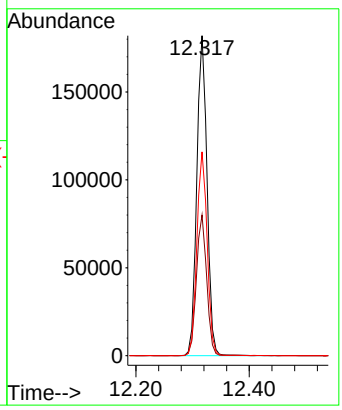




#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 22749

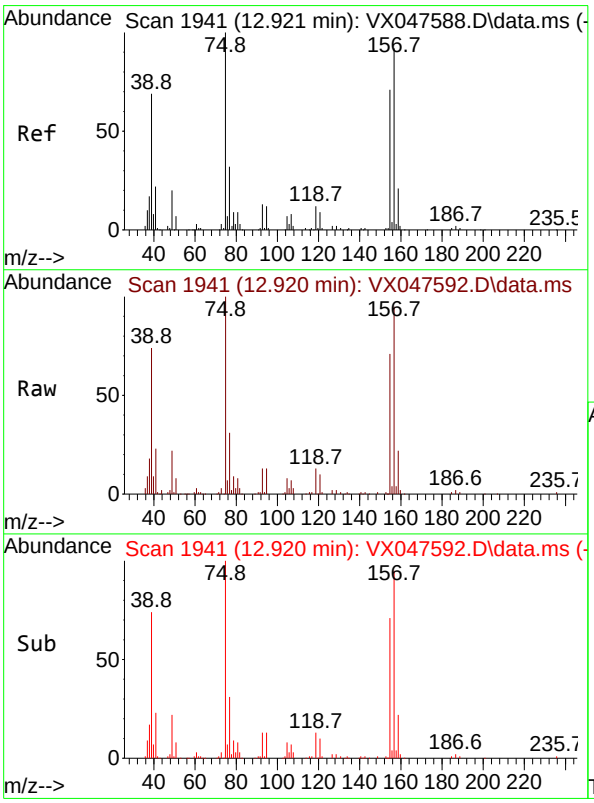
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

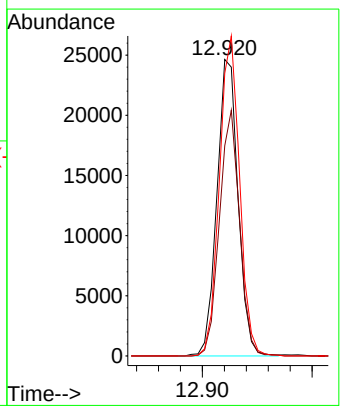
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

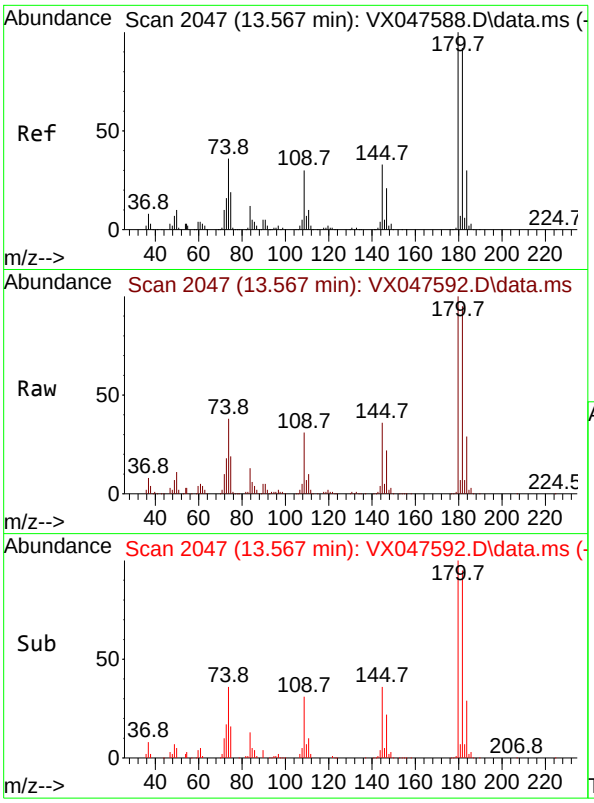


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4

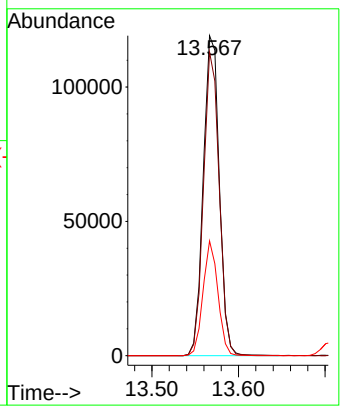




#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 15333

Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
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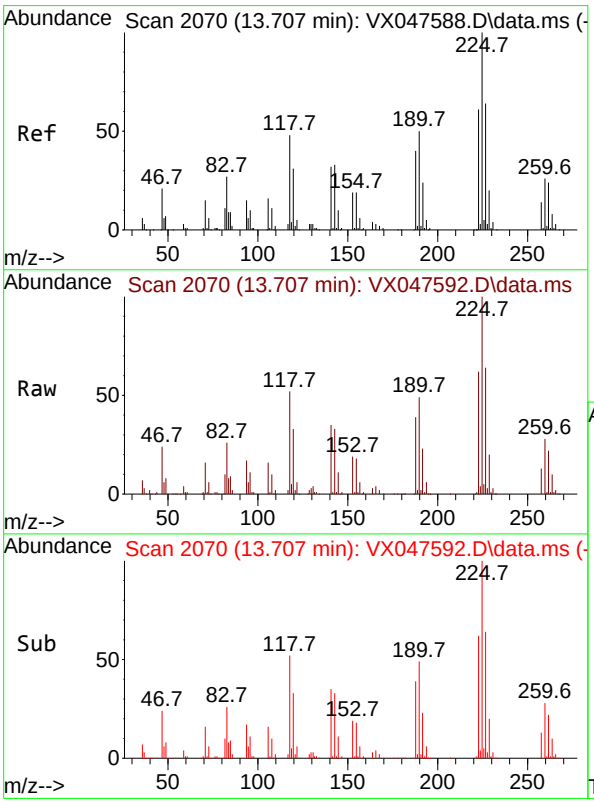
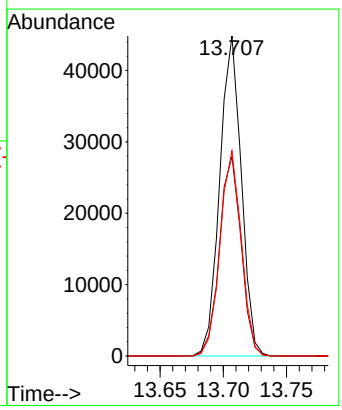
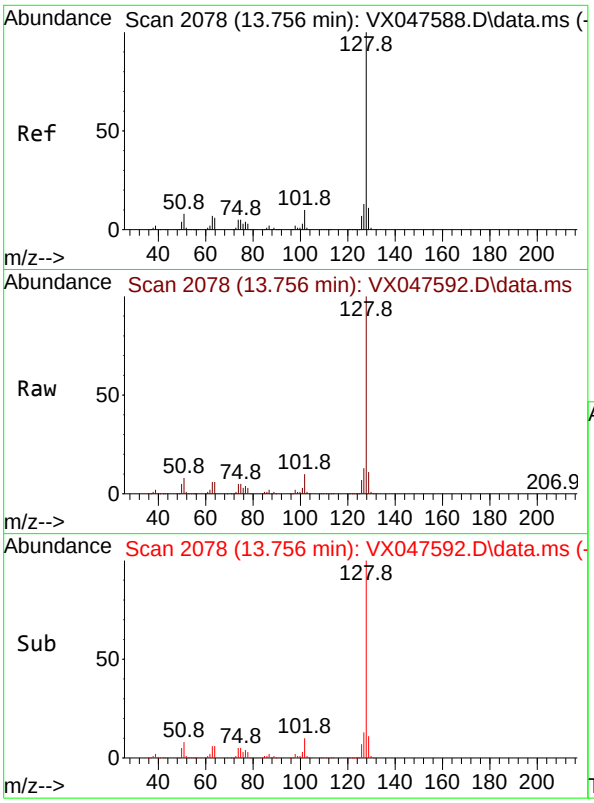


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0

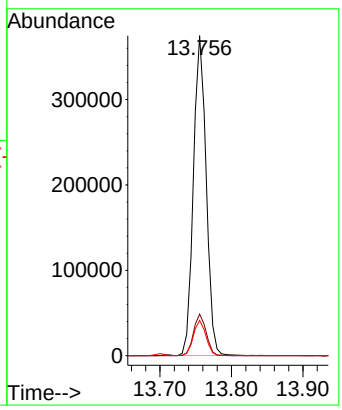




#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:128 Resp: 46420

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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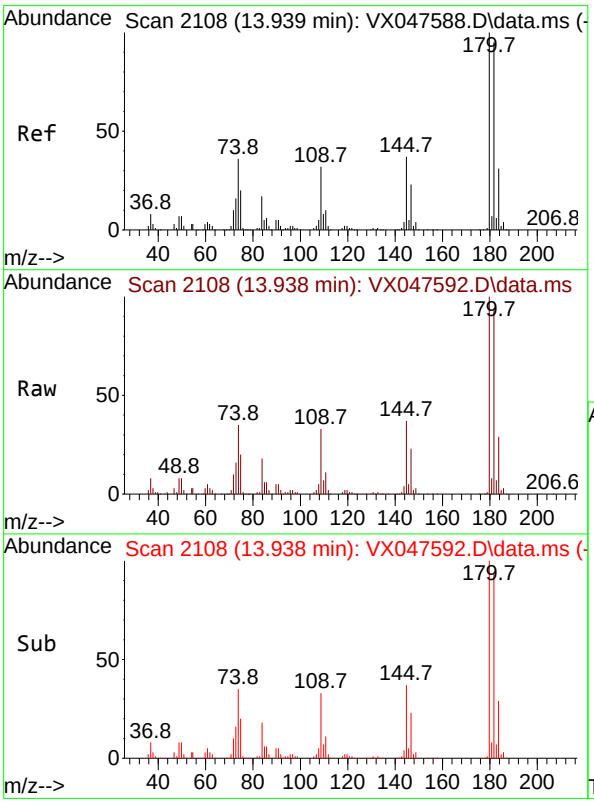
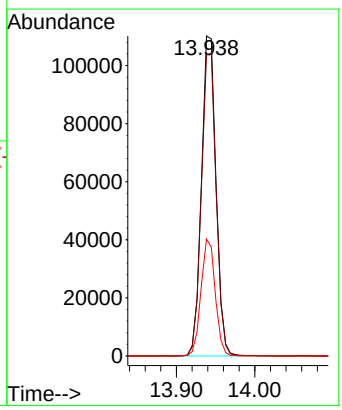
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	108	-0.01
2	T	Dichlorodifluoromethane	0.518	0.462	10.8	99	0.00
3	P	Chloromethane	0.680	0.595	12.5	97	0.00
4	C	Vinyl Chloride	0.666	0.610	8.4#	99	0.00
5	T	Bromomethane	0.422	0.410	2.8	104	0.00
6	T	Chloroethane	0.445	0.415	6.7	101	0.00
7	T	Trichlorofluoromethane	0.989	0.931	5.9	101	0.00
8	T	Diethyl Ether	0.405	0.378	6.7	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.561	2.9	103	0.00
10	T	Methyl Iodide	0.902	0.834	7.5	98	0.00
11	T	Tert butyl alcohol	0.089	0.091	-2.2	110	0.00
12	CM	1,1-Dichloroethene	0.594	0.559	5.9#	100	0.00
13	T	Acrolein	0.082	0.083	-1.2	110	0.00
14	T	Allyl chloride	1.226	1.146	6.5	102	0.00
15	T	Acrylonitrile	0.328	0.333	-1.5	103	0.00
16	T	Acetone	0.346	0.339	2.0	115	0.00
17	T	Carbon Disulfide	1.626	1.463	10.0	100	0.00
18	T	Methyl Acetate	0.770	0.850	-10.4	104	0.00
19	T	Methyl tert-butyl Ether	2.169	2.105	3.0	101	0.00
20	T	Methylene Chloride	0.732	0.674	7.9	99	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.597	6.7	99	0.00
22	T	Diisopropyl ether	2.376	2.289	3.7	99	-0.01
23	T	Vinyl Acetate	1.901	1.867	1.8	101	0.00
24	P	1,1-Dichloroethane	1.263	1.213	4.0	101	0.00
25	T	2-Butanone	0.432	0.438	-1.4	107	0.00
26	T	2,2-Dichloropropane	1.050	1.039	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.765	2.3	102	0.00
28	T	Bromochloromethane	0.551	0.514	6.7	96	-0.01
29	T	Tetrahydrofuran	0.260	0.263	-1.2	103	0.00
30	C	Chloroform	1.276	1.244	2.5#	101	0.00
31	T	Cyclohexane	1.052	0.968	8.0	101	0.00
32	T	1,1,1-Trichloroethane	1.082	1.060	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.725	8.9	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.335	0.306	8.7	100	0.00
36	T	1,1-Dichloropropene	0.490	0.457	6.7	101	0.00
37	T	Ethyl Acetate	0.525	0.517	1.5	105	-0.01
38	T	Carbon Tetrachloride	0.532	0.500	6.0	100	-0.01
39	T	Methylcyclohexane	0.556	0.541	2.7	103	0.00
40	TM	Benzene	1.488	1.410	5.2	100	0.00
41	T	Methacrylonitrile	0.271	0.274	-1.1	103	0.00
42	TM	1,2-Dichloroethane	0.566	0.531	6.2	98	0.00
43	T	Isopropyl Acetate	0.860	0.846	1.6	102	0.00
44	TM	Trichloroethene	0.360	0.346	3.9	101	0.00
45	C	1,2-Dichloropropane	0.381	0.366	3.9#	100	0.00
46	T	Dibromomethane	0.277	0.266	4.0	100	0.00
47	T	Bromodichloromethane	0.572	0.558	2.4	99	0.00
48	T	Methyl methacrylate	0.429	0.427	0.5	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	106	0.00
50	S	Toluene-d8	1.160	1.077	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.488	-2.3	103	0.00
52	CM	Toluene	0.917	0.883	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	0.584	0.578	1.0	101	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.615	1.4	102	0.00
55	T	1,1,2-Trichloroethane	0.354	0.338	4.5	99	0.00
56	T	Ethyl methacrylate	0.555	0.572	-3.1	103	0.00
57	T	1,3-Dichloropropane	0.607	0.594	2.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.238	-4.8	94	0.00
59	T	2-Hexanone	0.343	0.347	-1.2	104	0.00
60	T	Dibromochloromethane	0.407	0.406	0.2	101	0.00
61	T	1,2-Dibromoethane	0.360	0.355	1.4	101	0.00
62	S	4-Bromofluorobenzene	0.440	0.410	6.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.326	0.315	3.4	103	0.00
65	PM	Chlorobenzene	1.136	1.103	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.383	2.3	99	0.00
67	C	Ethyl Benzene	1.960	1.953	0.4#	102	0.00
68	T	m/p-Xylenes	0.729	0.722	1.0	101	0.00
69	T	o-Xylene	0.706	0.708	-0.3	101	0.00
70	T	Styrene	1.236	1.225	0.9	101	0.00
71	P	Bromoform	0.293	0.300	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.801	3.762	1.0	101	0.00
74	T	N-amyl acetate	1.733	1.746	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.147	0.3	102	0.00
76	T	1,2,3-Trichloropropane	1.012	1.076	-6.3	104	0.00
77	T	Bromobenzene	0.936	0.902	3.6	100	0.00
78	T	n-propylbenzene	4.494	4.430	1.4	101	0.00
79	T	2-Chlorotoluene	2.752	2.704	1.7	101	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.127	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.401	-1.0	106	0.00
82	T	4-Chlorotoluene	3.251	3.196	1.7	101	0.00
83	T	tert-Butylbenzene	3.197	3.177	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.161	0.2	103	0.00
85	T	sec-Butylbenzene	3.797	3.805	-0.2	103	0.00
86	T	p-Isopropyltoluene	3.215	3.206	0.3	102	0.00
87	T	1,3-Dichlorobenzene	1.739	1.705	2.0	102	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	104	0.00
89	T	n-Butylbenzene	2.975	3.020	-1.5	105	0.00
90	T	Hexachloroethane	0.564	0.573	-1.6	105	0.00
91	T	1,2-Dichlorobenzene	1.657	1.634	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.101	-2.2	104	0.00
94	T	Hexachlorobutadiene	0.366	0.381	-4.1	108	0.00
95	T	Naphthalene	3.279	3.334	-1.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.023	-2.1	102	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	108	-0.01
2	T	Dichlorodifluoromethane	50.000	44.592	10.8	99	0.00
3	P	Chloromethane	50.000	43.710	12.6	97	0.00
4	C	Vinyl Chloride	50.000	45.783	8.4#	99	0.00
5	T	Bromomethane	50.000	48.489	3.0	104	0.00
6	T	Chloroethane	50.000	46.575	6.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.074	5.9	101	0.00
8	T	Diethyl Ether	50.000	46.693	6.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.524	3.0	103	0.00
10	T	Methyl Iodide	50.000	46.210	7.6	98	0.00
11	T	Tert butyl alcohol	250.000	256.271	-2.5	110	0.00
12	CM	1,1-Dichloroethene	50.000	47.076	5.8#	100	0.00
13	T	Acrolein	250.000	254.867	-1.9	110	0.00
14	T	Allyl chloride	50.000	46.742	6.5	102	0.00
15	T	Acrylonitrile	250.000	253.567	-1.4	103	0.00
16	T	Acetone	250.000	245.006	2.0	115	0.00
17	T	Carbon Disulfide	50.000	44.966	10.1	100	0.00
18	T	Methyl Acetate	50.000	55.175	-10.3	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.538	2.9	101	0.00
20	T	Methylene Chloride	50.000	46.000	8.0	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.709	6.6	99	0.00
22	T	Diisopropyl ether	50.000	48.174	3.7	99	-0.01
23	T	Vinyl Acetate	250.000	245.539	1.8	101	0.00
24	P	1,1-Dichloroethane	50.000	48.041	3.9	101	0.00
25	T	2-Butanone	250.000	253.598	-1.4	107	0.00
26	T	2,2-Dichloropropane	50.000	49.494	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.826	2.3	102	0.00
28	T	Bromochloromethane	50.000	46.586	6.8	96	-0.01
29	T	Tetrahydrofuran	250.000	253.375	-1.4	103	0.00
30	C	Chloroform	50.000	48.739	2.5#	101	0.00
31	T	Cyclohexane	50.000	45.999	8.0	101	0.00
32	T	1,1,1-Trichloroethane	50.000	48.978	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.550	8.9	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	45.559	8.9	100	0.00
36	T	1,1-Dichloropropene	50.000	46.663	6.7	101	0.00
37	T	Ethyl Acetate	50.000	49.241	1.5	105	-0.01
38	T	Carbon Tetrachloride	50.000	46.935	6.1	100	-0.01
39	T	Methylcyclohexane	50.000	48.597	2.8	103	0.00
40	TM	Benzene	50.000	47.357	5.3	100	0.00
41	T	Methacrylonitrile	50.000	50.490	-1.0	103	0.00
42	TM	1,2-Dichloroethane	50.000	46.867	6.3	98	0.00
43	T	Isopropyl Acetate	50.000	49.136	1.7	102	0.00
44	TM	Trichloroethene	50.000	48.037	3.9	101	0.00
45	C	1,2-Dichloropropane	50.000	48.053	3.9#	100	0.00
46	T	Dibromomethane	50.000	47.976	4.0	100	0.00
47	T	Bromodichloromethane	50.000	48.769	2.5	99	0.00
48	T	Methyl methacrylate	50.000	49.757	0.5	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1089.520	-9.0	106	0.00
50	S	Toluene-d8	50.000	46.411	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.752	-2.3	103	0.00
52	CM	Toluene	50.000	48.130	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	49.527	0.9	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.257	1.5	102	0.00
55	T	1,1,2-Trichloroethane	50.000	47.772	4.5	99	0.00
56	T	Ethyl methacrylate	50.000	51.490	-3.0	103	0.00
57	T	1,3-Dichloropropane	50.000	48.894	2.2	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.562	9.8	94	0.00
59	T	2-Hexanone	250.000	253.126	-1.3	104	0.00
60	T	Dibromochloromethane	50.000	49.824	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.297	1.4	101	0.00
62	S	4-Bromofluorobenzene	50.000	46.520	7.0	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	48.296	3.4	103	0.00
65	PM	Chlorobenzene	50.000	48.549	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.794	2.4	99	0.00
67	C	Ethyl Benzene	50.000	49.813	0.4#	102	0.00
68	T	m/p-Xylenes	100.000	98.956	1.0	101	0.00
69	T	o-Xylene	50.000	50.159	-0.3	101	0.00
70	T	Styrene	50.000	49.536	0.9	101	0.00
71	P	Bromoform	50.000	51.207	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	49.479	1.0	101	0.00
74	T	N-amyl acetate	50.000	50.375	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.851	0.3	102	0.00
76	T	1,2,3-Trichloropropane	50.000	53.124	-6.2	104	0.00
77	T	Bromobenzene	50.000	48.173	3.7	100	0.00
78	T	n-propylbenzene	50.000	49.295	1.4	101	0.00
79	T	2-Chlorotoluene	50.000	49.117	1.8	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.543	-1.1	106	0.00
82	T	4-Chlorotoluene	50.000	49.164	1.7	101	0.00
83	T	tert-Butylbenzene	50.000	49.679	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.911	0.2	103	0.00
85	T	sec-Butylbenzene	50.000	50.100	-0.2	103	0.00
86	T	p-Isopropyltoluene	50.000	49.861	0.3	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.014	2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.011	2.0	104	0.00
89	T	n-Butylbenzene	50.000	50.752	-1.5	105	0.00
90	T	Hexachloroethane	50.000	50.732	-1.5	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.304	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.918	-1.8	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.133	-2.3	104	0.00
94	T	Hexachlorobutadiene	50.000	52.131	-4.3	108	0.00
95	T	Naphthalene	50.000	50.836	-1.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	51.054	-2.1	102	0.00

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

Raw Data: **VX047896.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date/Time: 09/30/2025 09:20

Lab File ID: VX047896.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.609		17.57	20
Chloromethane	0.680	0.711	0.1	4.56	20
Vinyl Chloride	0.666	0.732		9.91	20
Bromomethane	0.422	0.433		2.61	20
Chloroethane	0.445	0.494		11.01	20
Trichlorofluoromethane	0.989	1.083		9.51	20
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	20
1,1-Dichloroethene	0.594	0.627		5.56	20
Acetone	0.346	0.361		4.34	20
Carbon Disulfide	1.626	1.668		2.58	20
Methyl tert-butyl Ether	2.169	2.294		5.76	20
Methyl Acetate	0.770	0.908		17.92	20
Methylene Chloride	0.732	0.791		8.06	20
trans-1,2-Dichloroethene	0.640	0.679		6.09	20
1,1-Dichloroethane	1.263	1.347	0.1	6.57	20
Cyclohexane	1.052	0.974		-7.41	20
2-Butanone	0.432	0.464		7.41	20
Carbon Tetrachloride	0.532	0.552		3.76	20
cis-1,2-Dichloroethene	0.783	0.830		6	20
Bromochloromethane	0.551	0.555		0.73	20
Chloroform	1.276	1.360		6.58	20
1,1,1-Trichloroethane	1.082	1.123		3.79	20
Methylcyclohexane	0.556	0.513		-7.73	20
Benzene	1.488	1.565		5.18	20
1,2-Dichloroethane	0.566	0.594		4.95	20
Trichloroethene	0.360	0.371		3.06	20
1,2-Dichloropropane	0.381	0.413		8.4	20
Bromodichloromethane	0.572	0.622		8.74	20
4-Methyl-2-Pentanone	0.477	0.524		9.85	20
Toluene	0.917	0.954		4.03	20
t-1,3-Dichloropropene	0.584	0.609		4.28	20
cis-1,3-Dichloropropene	0.624	0.659		5.61	20
1,1,2-Trichloroethane	0.354	0.384		8.48	20
2-Hexanone	0.343	0.366		6.71	20
Dibromochloromethane	0.407	0.452		11.06	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.323		-0.92	20
Chlorobenzene	1.136	1.183	0.3	4.14	20

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

Raw Data: **VX047896.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date/Time: 09/30/2025 09:20

Lab File ID: VX047896.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.981		1.07	20
m/p-Xylenes	0.729	0.744		2.06	20
o-Xylene	0.706	0.723		2.41	20
Styrene	1.236	1.283		3.8	20
Bromoform	0.293	0.323	0.1	10.24	20
Isopropylbenzene	3.801	3.742		-1.55	20
1,1,2,2-Tetrachloroethane	1.150	1.226	0.3	6.61	20
1,3-Dichlorobenzene	1.739	1.708		-1.78	20
1,4-Dichlorobenzene	1.785	1.732		-2.97	20
1,2-Dichlorobenzene	1.657	1.671		0.85	20
1,2-Dibromo-3-Chloropropane	0.233	0.236		1.29	20
1,2,4-Trichlorobenzene	1.077	0.993		-7.8	20
1,2,3-Trichlorobenzene	1.002	0.950		-5.19	20
1,2-Dichloroethane-d4	0.796	0.783		-1.63	20
Dibromofluoromethane	0.335	0.359		7.16	20
Toluene-d8	1.160	1.184		2.07	20
4-Bromofluorobenzene	0.440	0.438		-0.46	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\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	159265	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	274684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.400%			
35) Dibromofluoromethane	5.367	113	98640	53.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	8.629	98	325148	51.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.061	95	120201	49.687	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	97022	58.829	ug/l	99
3) Chloromethane	1.301	50	113214	52.232	ug/l	97
4) Vinyl Chloride	1.380	62	116638	54.972	ug/l	98
5) Bromomethane	1.611	94	68890	51.203	ug/l	96
6) Chloroethane	1.691	64	78694	55.492	ug/l	97
7) Trichlorofluoromethane	1.892	101	172524	54.763	ug/l	99
8) Diethyl Ether	2.136	74	69421	53.868	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	100879	54.762	ug/l	97
10) Methyl Iodide	2.453	142	130308	45.357	ug/l	98
11) Tert butyl alcohol	2.941	59	68313	241.951	ug/l	99
12) 1,1-Dichloroethene	2.325	96	99847	52.767	ug/l	98
13) Acrolein	2.233	56	60815	233.739	ug/l	99
14) Allyl chloride	2.666	41	194156	49.724	ug/l	99
15) Acrylonitrile	3.056	53	296520	283.530	ug/l	100
16) Acetone	2.374	43	287150	260.508	ug/l	98
17) Carbon Disulfide	2.514	76	265675	51.287	ug/l	98
18) Methyl Acetate	2.697	43	144676	58.977	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	365318	52.887	ug/l	100
20) Methylene Chloride	2.788	84	125986	53.997	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	108133	53.079	ug/l	98
22) Diisopropyl ether	3.745	45	403919	53.376	ug/l #	85
23) Vinyl Acetate	3.709	43	1626309	268.522	ug/l	99
24) 1,1-Dichloroethane	3.599	63	214450	53.317	ug/l	100
25) 2-Butanone	4.532	43	369360	268.637	ug/l	97
26) 2,2-Dichloropropane	4.459	77	167775	50.180	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	132222	52.997	ug/l	97
28) Bromochloromethane	4.879	49	88396	50.341	ug/l	98
29) Tetrahydrofuran	4.983	42	220125	266.130	ug/l	100
30) Chloroform	5.074	83	216603	53.292	ug/l	97
31) Cyclohexane	5.452	56	155102	46.300	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	178835	51.873	ug/l	99
36) 1,1-Dichloropropene	5.678	75	135743	50.427	ug/l	99
37) Ethyl Acetate	4.696	43	152185	52.801	ug/l	99
38) Carbon Tetrachloride	5.660	117	151743	51.882	ug/l	92
39) Methylcyclohexane	7.360	83	140957	46.130	ug/l	99
40) Benzene	6.019	78	429759	52.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	82436	55.402	ug/l	99
42) 1,2-Dichloroethane	6.068	62	163028	52.407	ug/l	98
43) Isopropyl Acetate	6.318	43	245123	51.856	ug/l	98
44) Trichloroethene	7.104	130	101783	51.493	ug/l	95
45) 1,2-Dichloropropane	7.409	63	113369	54.152	ug/l	100
46) Dibromomethane	7.562	93	83867	55.050	ug/l	98
47) Bromodichloromethane	7.805	83	170796	54.329	ug/l	99
48) Methyl methacrylate	7.671	41	122288	51.936	ug/l	98
49) 1,4-Dioxane	7.641	88	30052	1262.927	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	719388	274.485	ug/l	100
52) Toluene	8.702	92	262130	52.039	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	167386	52.199	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	181042	52.821	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	105403	54.267	ug/l	97
56) Ethyl methacrylate	9.098	69	163078	53.463	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182646	54.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	425504	288.987	ug/l	100
59) 2-Hexanone	9.415	43	503092	267.273	ug/l	98
60) Dibromochloromethane	9.506	129	124090	55.448	ug/l	98
61) 1,2-Dibromoethane	9.592	107	108616	54.903	ug/l	99
64) Tetrachloroethene	9.256	164	79687	49.476	ug/l	99
65) Chlorobenzene	10.061	112	292200	52.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	104056	53.724	ug/l	100
67) Ethyl Benzene	10.177	91	489523	50.546	ug/l	100
68) m/p-Xylenes	10.287	106	367685	102.001	ug/l	99
69) o-Xylene	10.622	106	178721	51.259	ug/l	99
70) Styrene	10.640	104	316919	51.876	ug/l	98
71) Bromoform	10.781	173	79707	55.113	ug/l	99
73) Isopropylbenzene	10.945	105	453987	49.226	ug/l	99
74) N-amyl acetate	10.823	43	207377	49.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	148724	53.301	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	119154m	48.514	ug/l	
77) Bromobenzene	11.177	156	114778	50.531	ug/l	96
78) n-propylbenzene	11.287	91	534401	49.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	328025	49.125	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	375552	49.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	46406	48.183	ug/l	99
82) 4-Chlorotoluene	11.433	91	389550	49.396	ug/l	99
83) tert-Butylbenzene	11.695	119	376514	48.542	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	379320	49.378	ug/l	100
85) sec-Butylbenzene	11.872	105	443652	48.154	ug/l	100
86) p-Isopropyltoluene	11.988	119	371954	47.687	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	207204	49.112	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	210050	48.509	ug/l	98
89) n-Butylbenzene	12.317	91	337054	46.701	ug/l	99
90) Hexachloroethane	12.518	117	68737	50.194	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	202692	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28623	50.667	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	120450	46.109	ug/l	98
94) Hexachlorobutadiene	13.707	225	36987	41.684	ug/l	98
95) Naphthalene	13.756	128	391072	49.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	115245	47.426	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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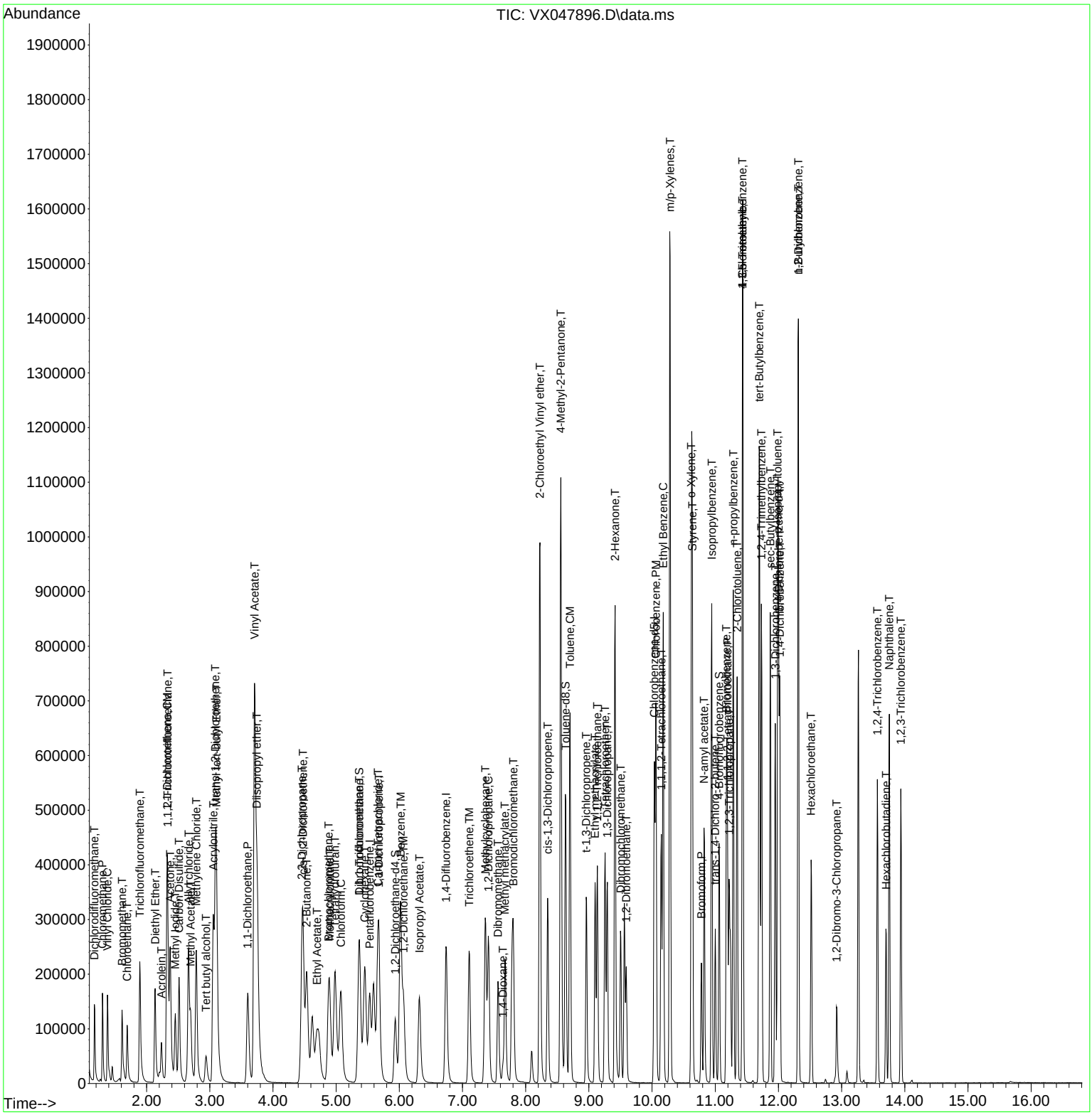
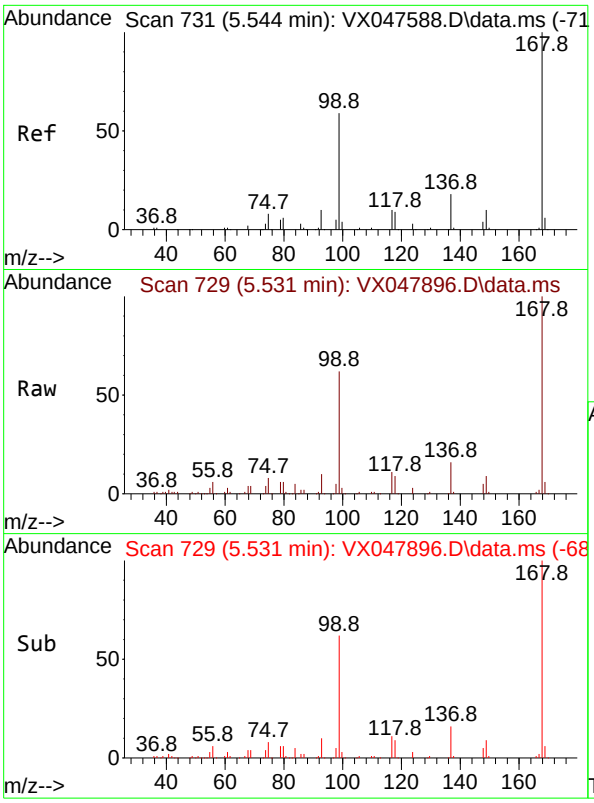
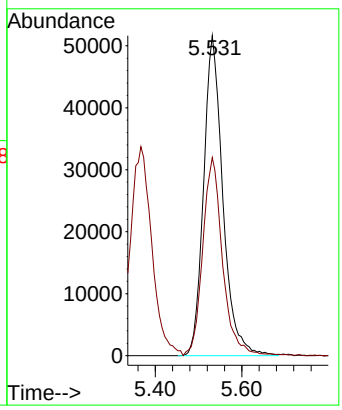




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:168 Resp: 15926

Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
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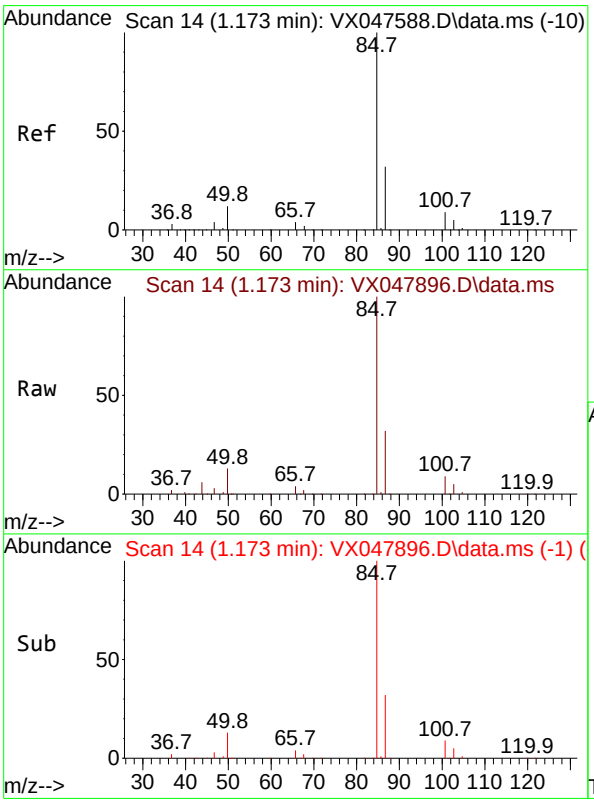
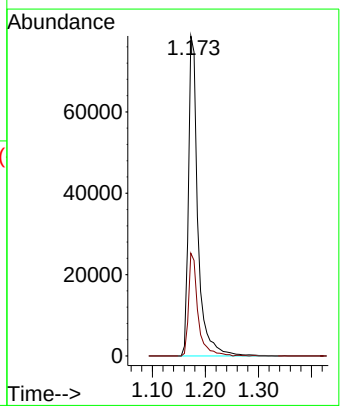
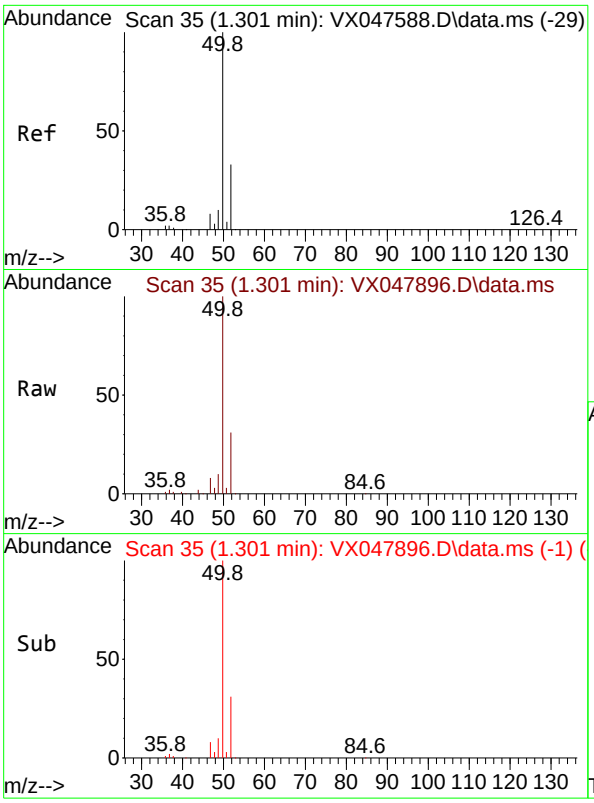


#2
Dichlorodifluoromethane
Concen: 58.829 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 85 Resp: 97022

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3

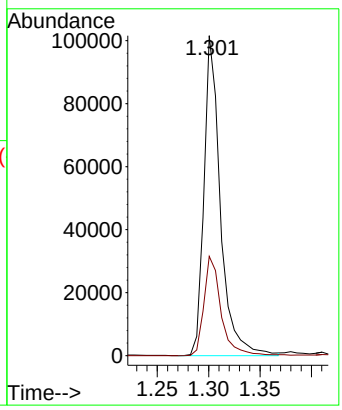




#3
Chloromethane
Concen: 52.232 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 50 Resp: 11321

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
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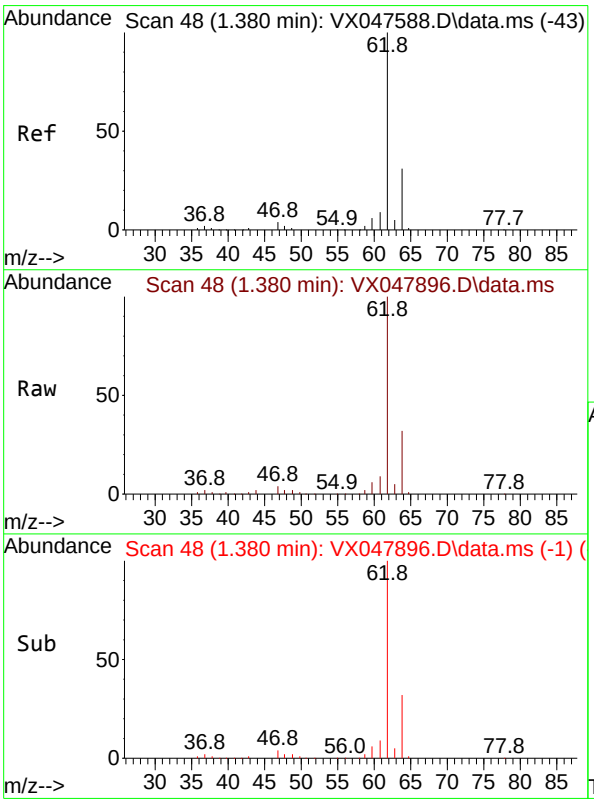
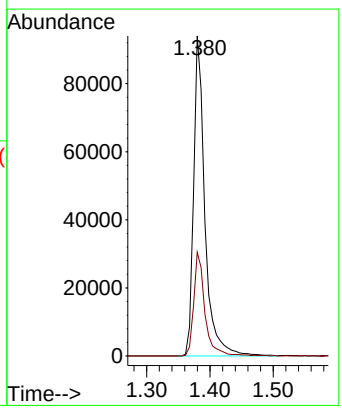
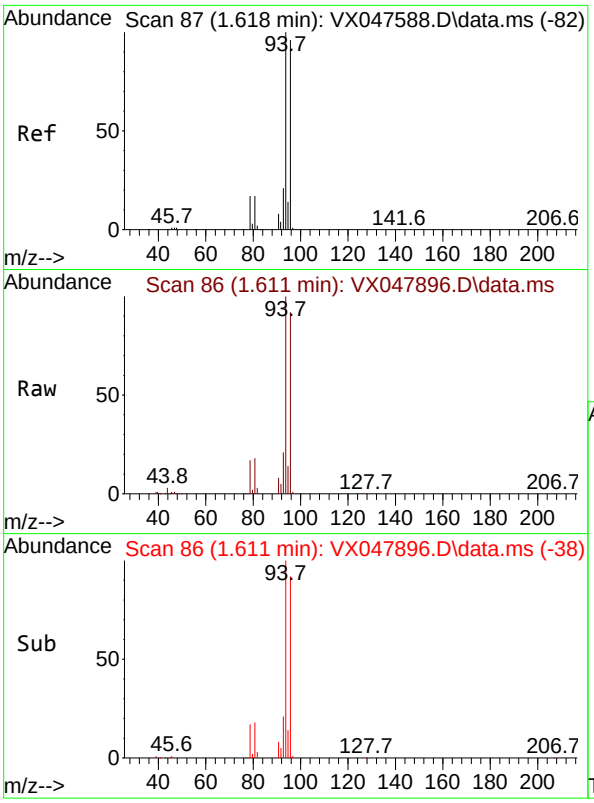


#4
Vinyl Chloride
Concen: 54.972 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 116638

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.9	37.3

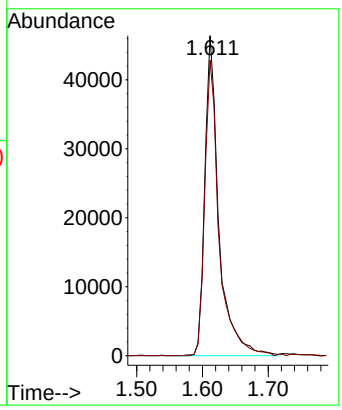




#5
Bromomethane
Concen: 51.203 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 94 Resp: 6889

Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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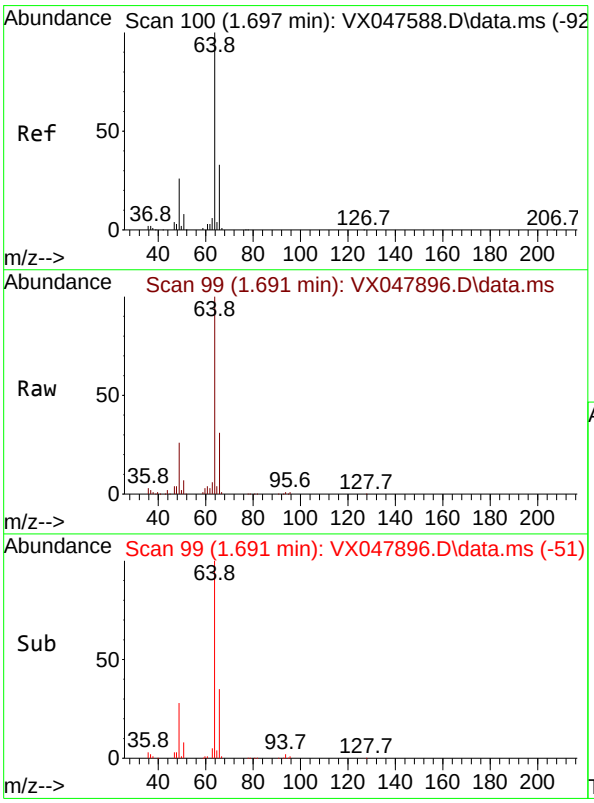
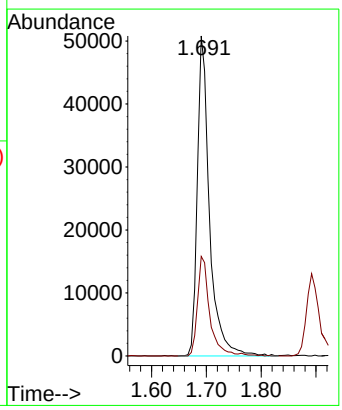
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

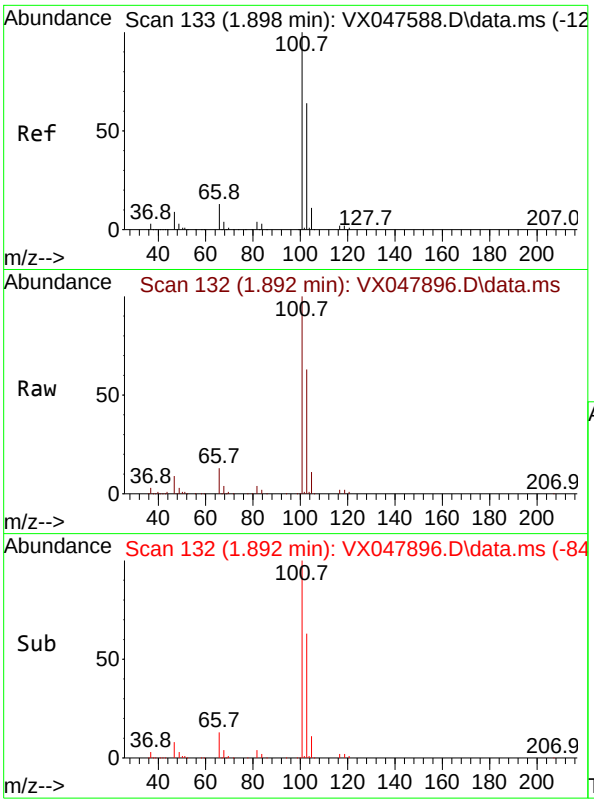


#6
Chloroethane
Concen: 55.492 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 64 Resp: 78694

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1

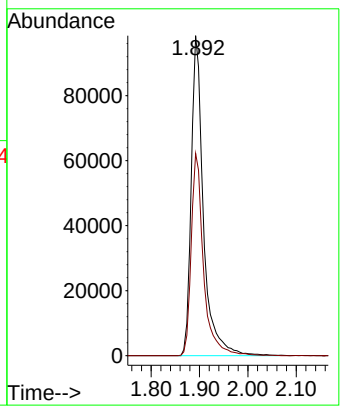




#7
Trichlorofluoromethane
Concen: 54.763 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:101 Resp: 17252

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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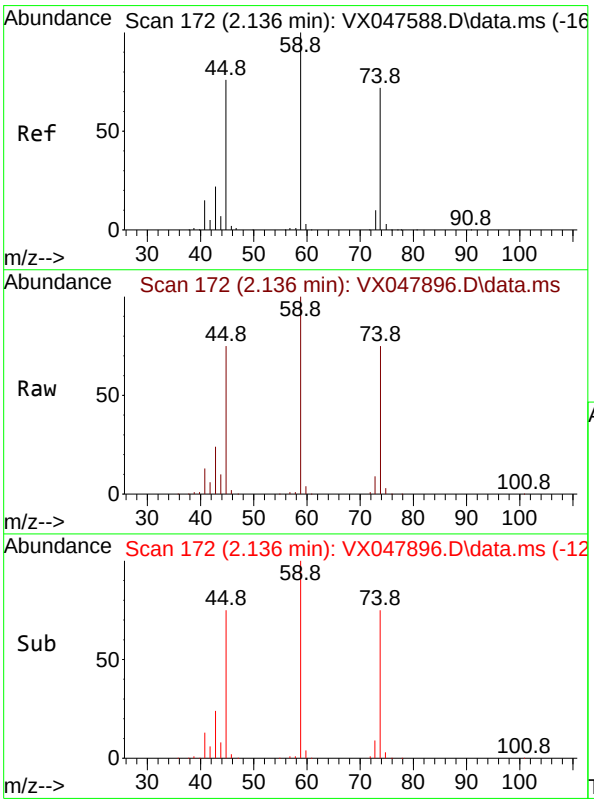
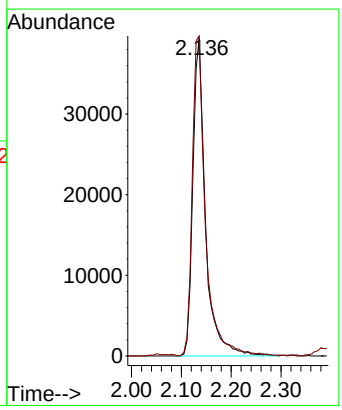
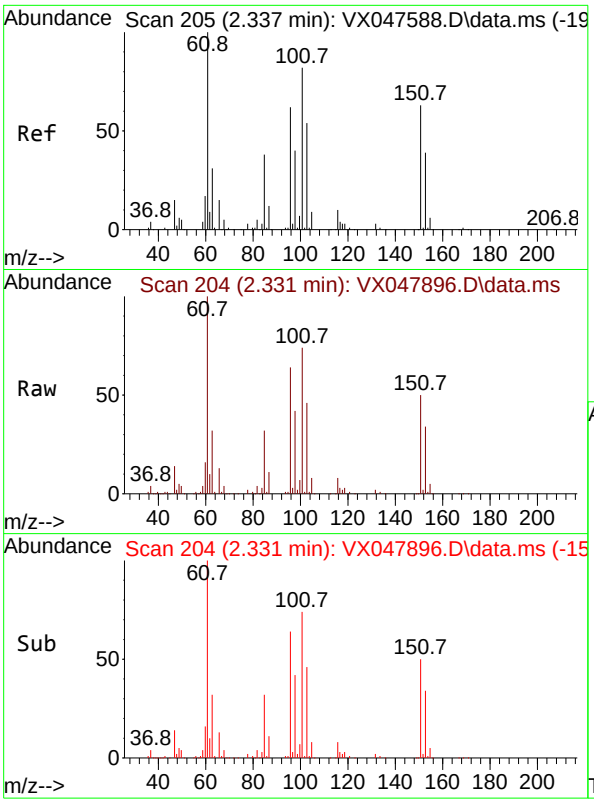


#8
Diethyl Ether
Concen: 53.868 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 74 Resp: 69421

Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	156.8

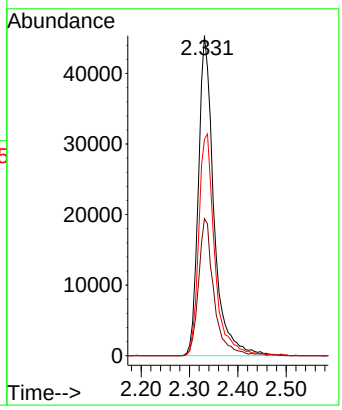




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.762 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:101 Resp: 10087

Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.5	53.3
151	71.8	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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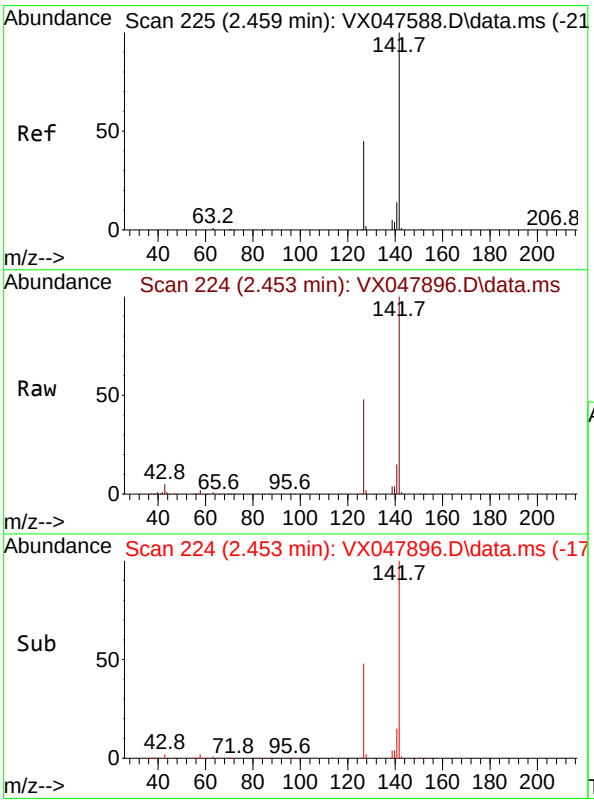
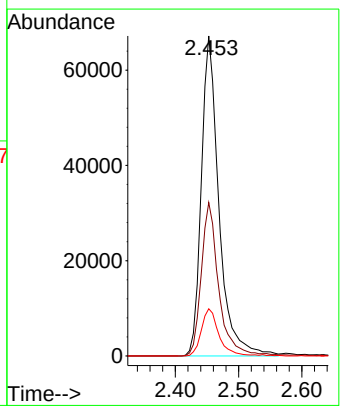
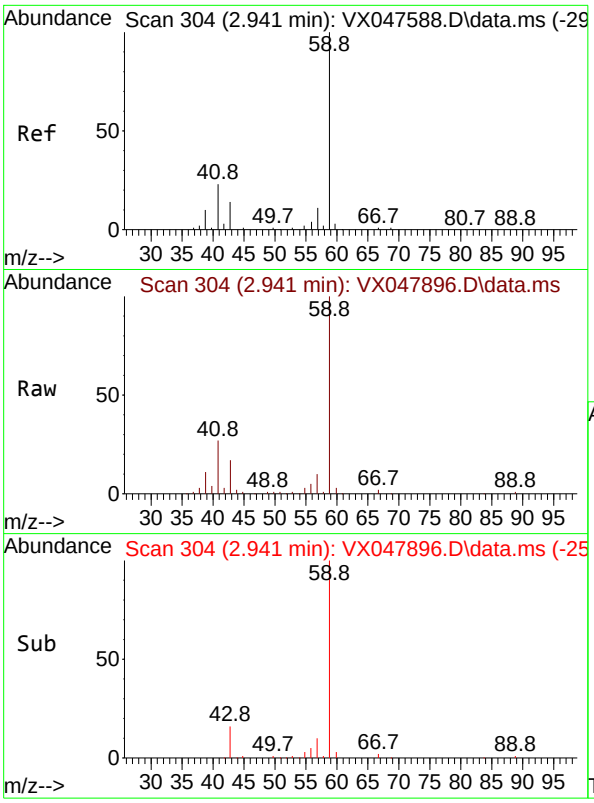


#10
Methyl Iodide
Concen: 45.357 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:142 Resp: 130308

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.2	55.8
141	14.6	11.4	17.0





#11
Tert butyl alcohol
Concen: 241.951 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 59 Resp: 6831

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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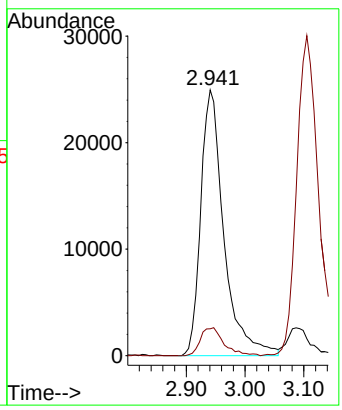
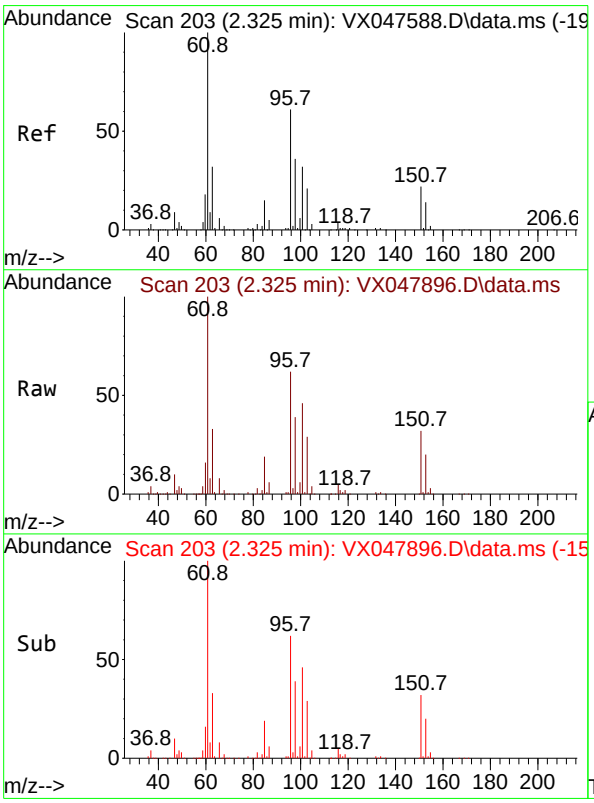
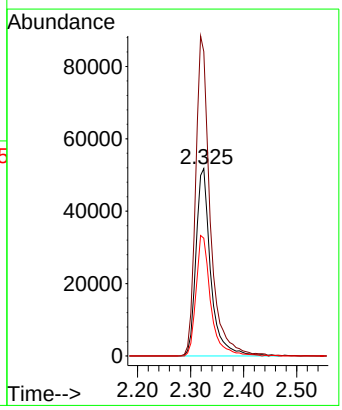


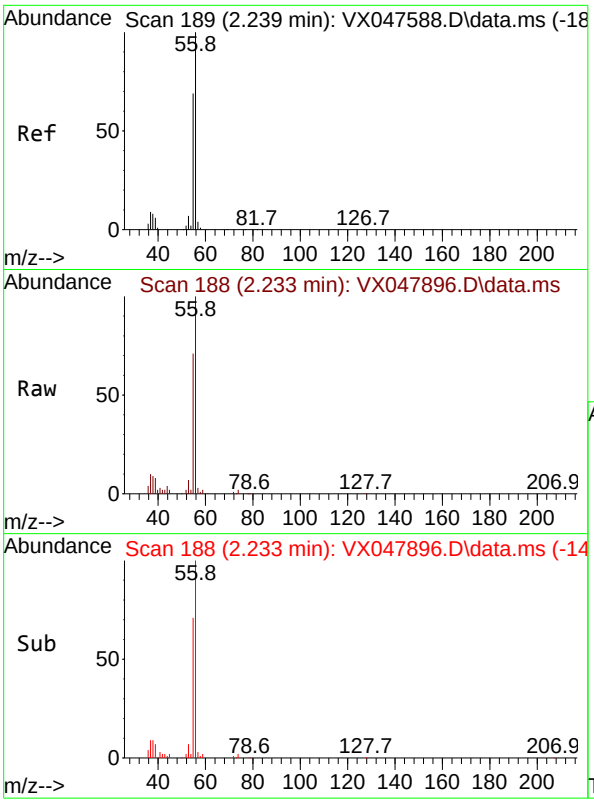


#12
1,1-Dichloroethene
Concen: 52.767 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 99847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	62.9	47.7	71.5

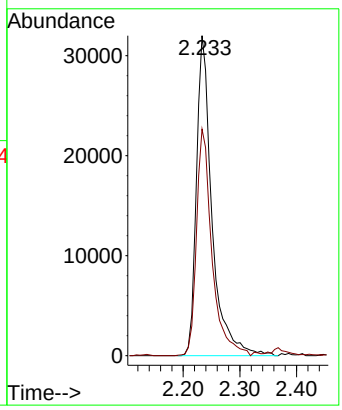




#13
Acrolein
Concen: 233.739 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 56 Resp: 6081

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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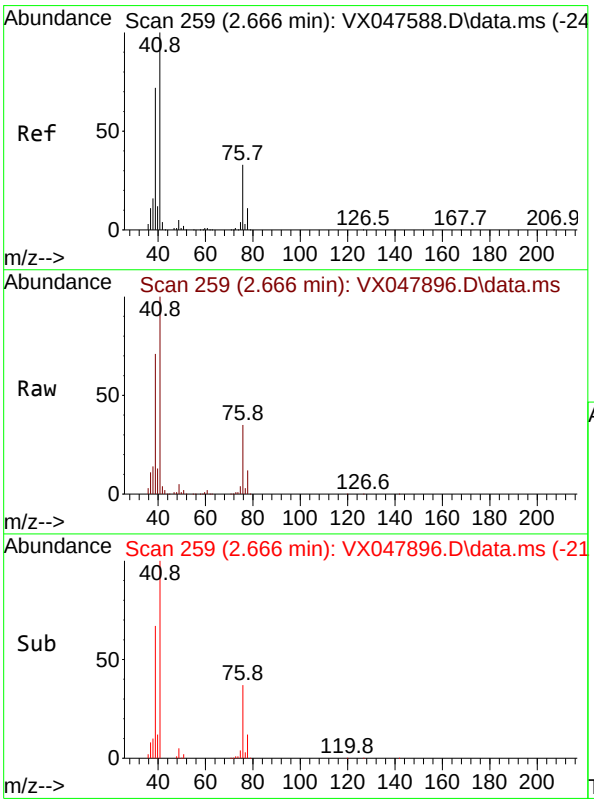
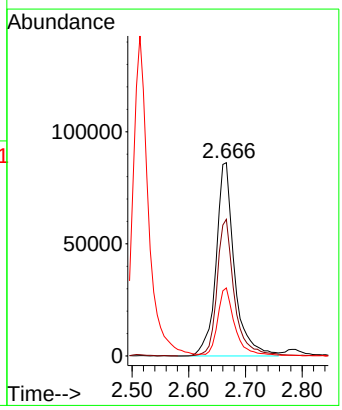
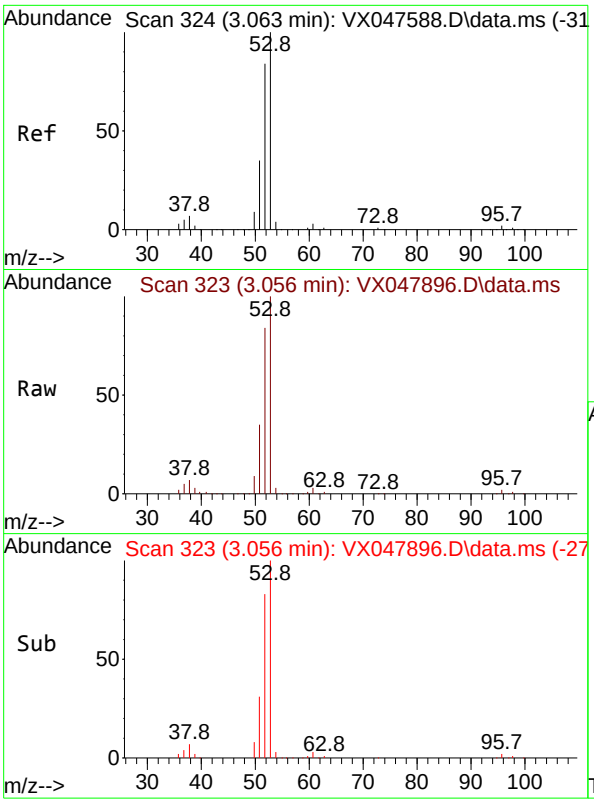


#14
Allyl chloride
Concen: 49.724 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 194156

Ion	Ratio	Lower	Upper
41	100		
39	66.7	54.7	82.1
76	32.0	25.7	38.5

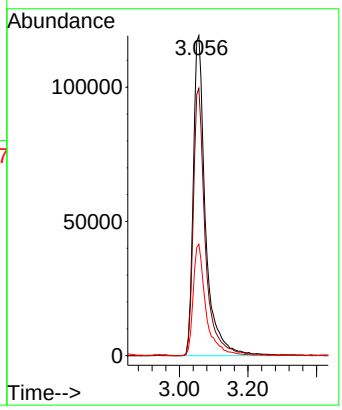




#15
Acrylonitrile
Concen: 283.530 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 53 Resp: 29652

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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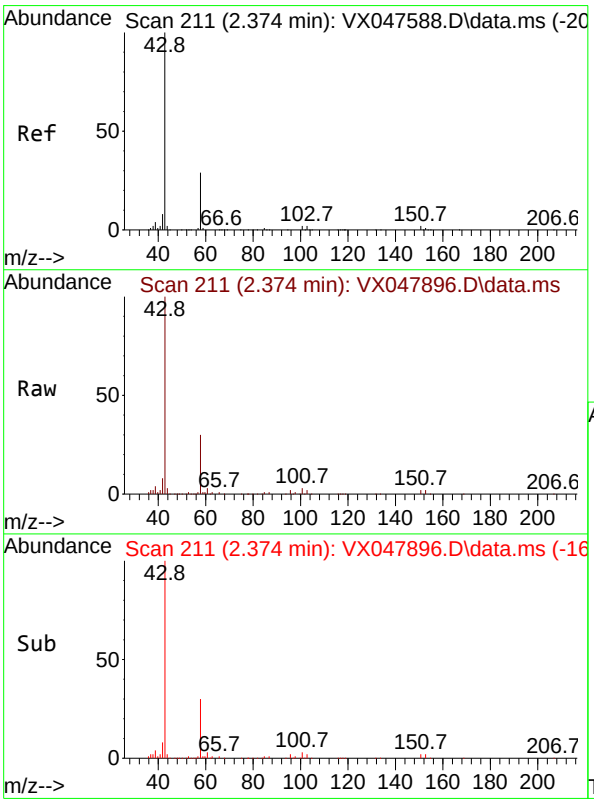
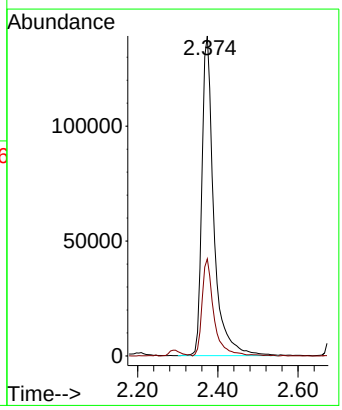
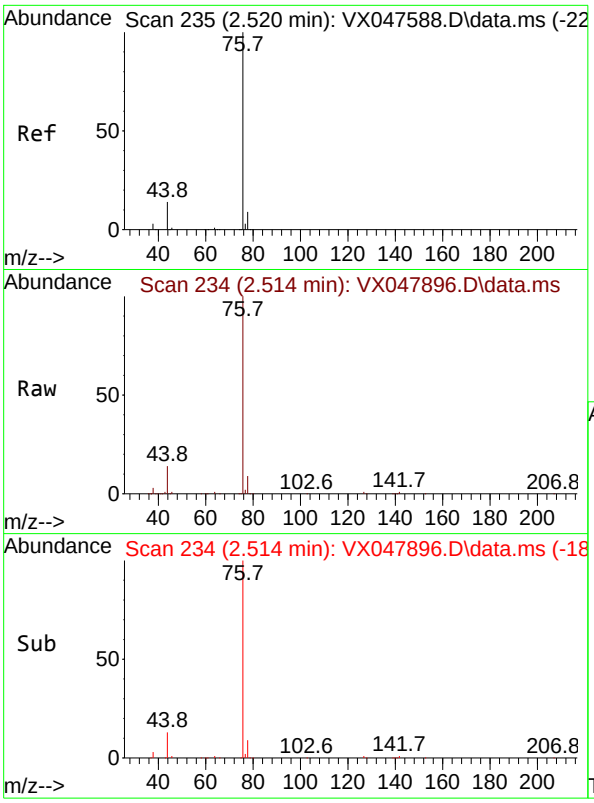


#16
Acetone
Concen: 260.508 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 287150

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0





#17
Carbon Disulfide
Concen: 51.287 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 76 Resp: 26567

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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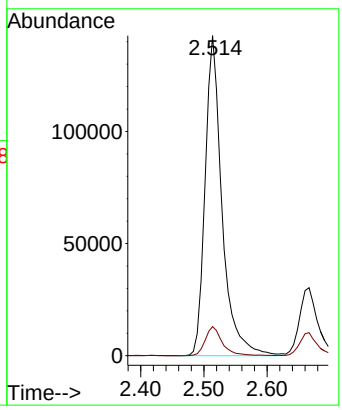
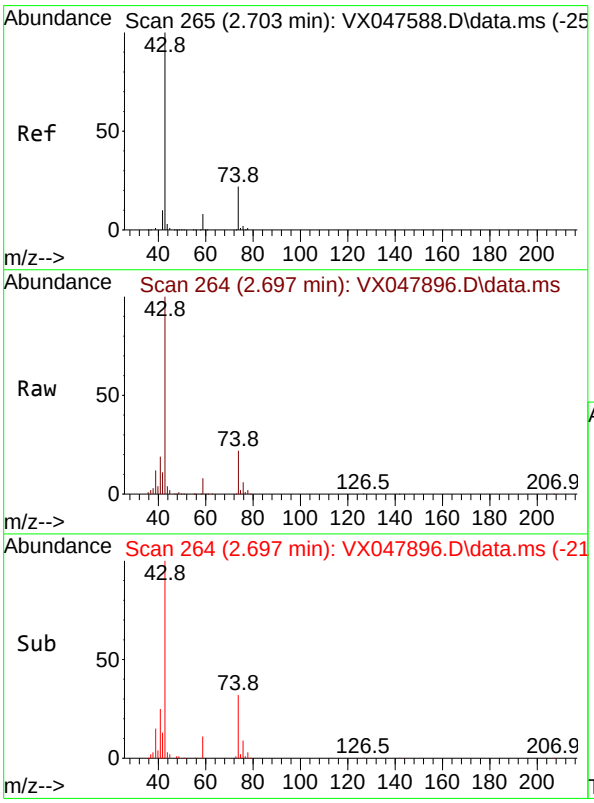
Supervised By :Mahesh Dadoda 10/03/2025

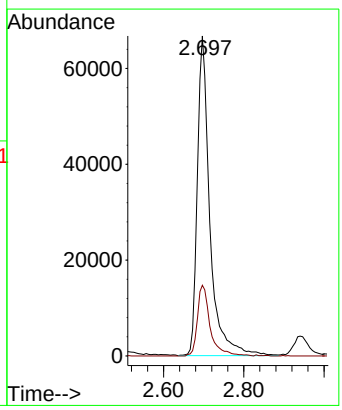


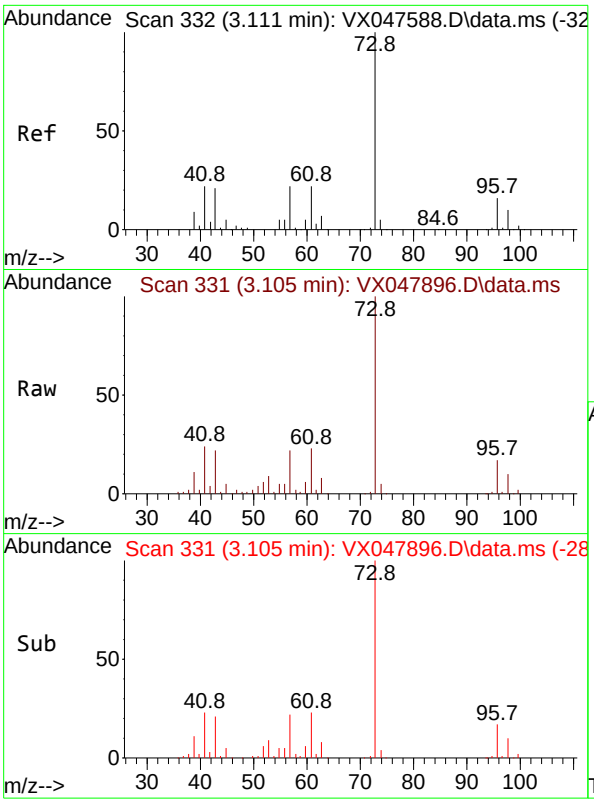


#18
Methyl Acetate
Concen: 58.977 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 144676

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 52.887 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 73 Resp: 36531

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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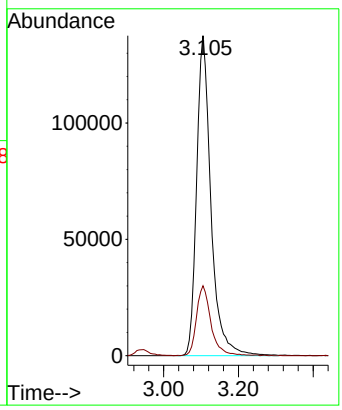
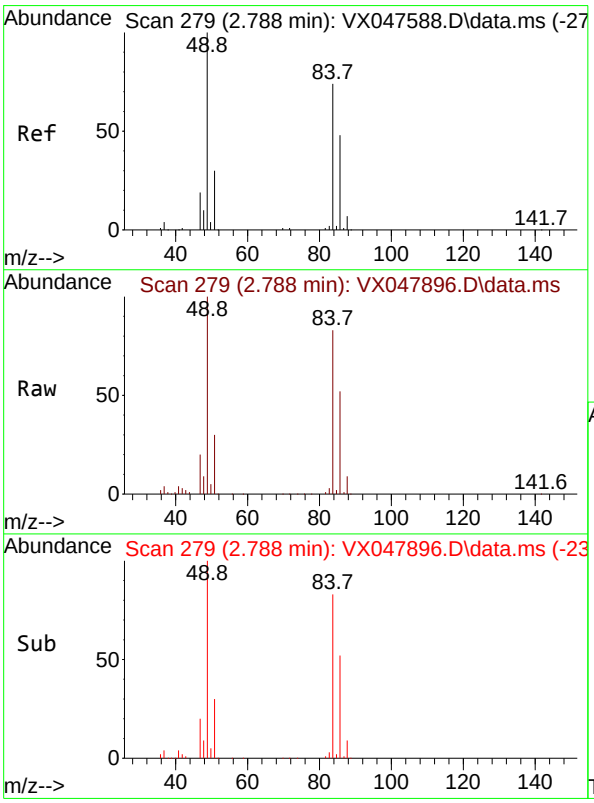
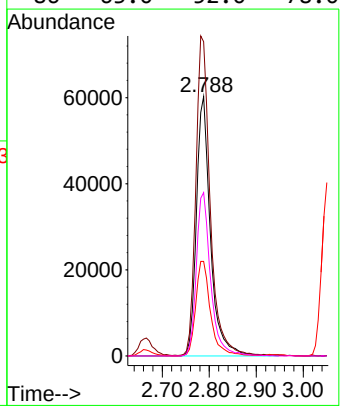


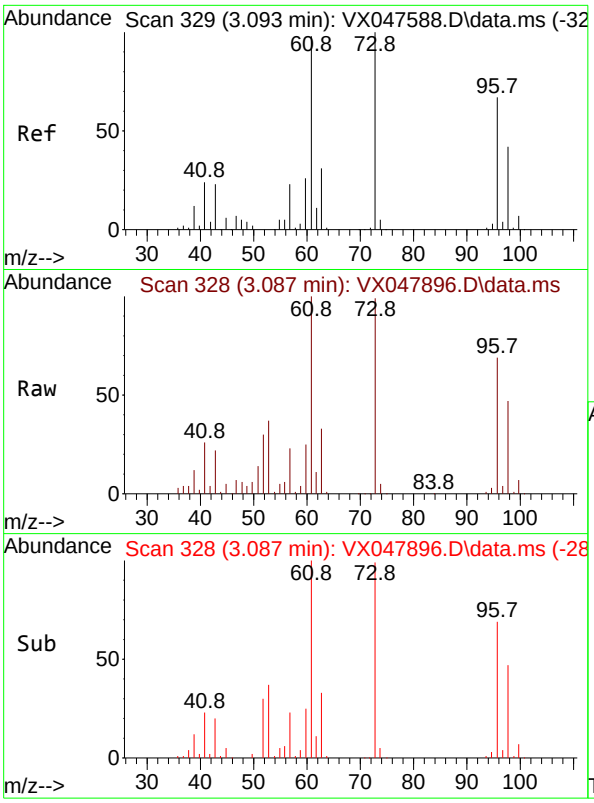


#20
Methylene Chloride
Concen: 53.997 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 84 Resp: 125986

Ion	Ratio	Lower	Upper
84	100		
49	120.9	108.6	162.8
51	36.5	32.6	48.8
86	63.0	52.0	78.0

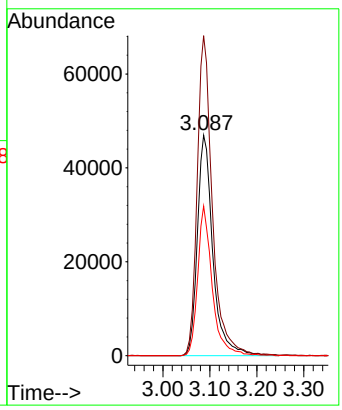




#21
trans-1,2-Dichloroethene
Concen: 53.079 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 10813

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	67.8	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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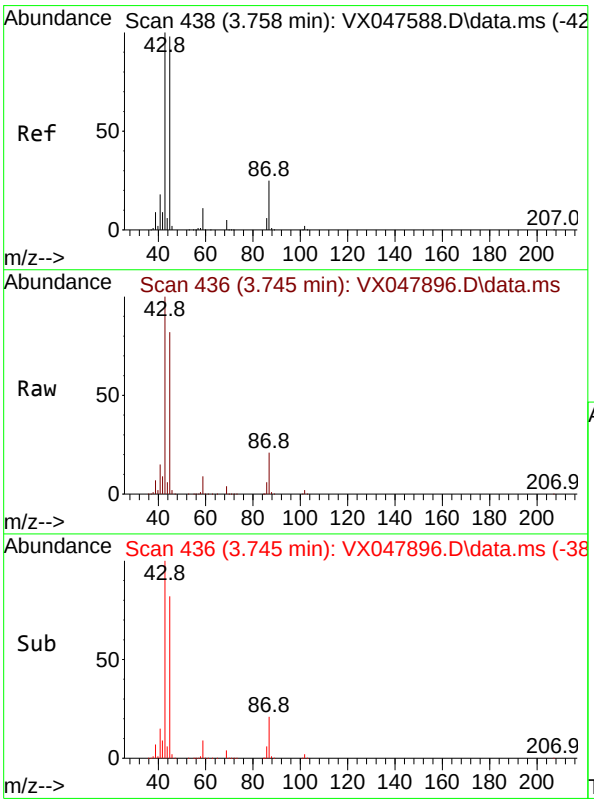
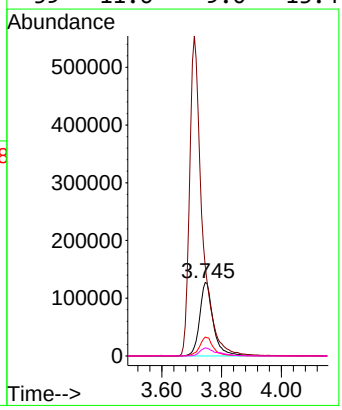
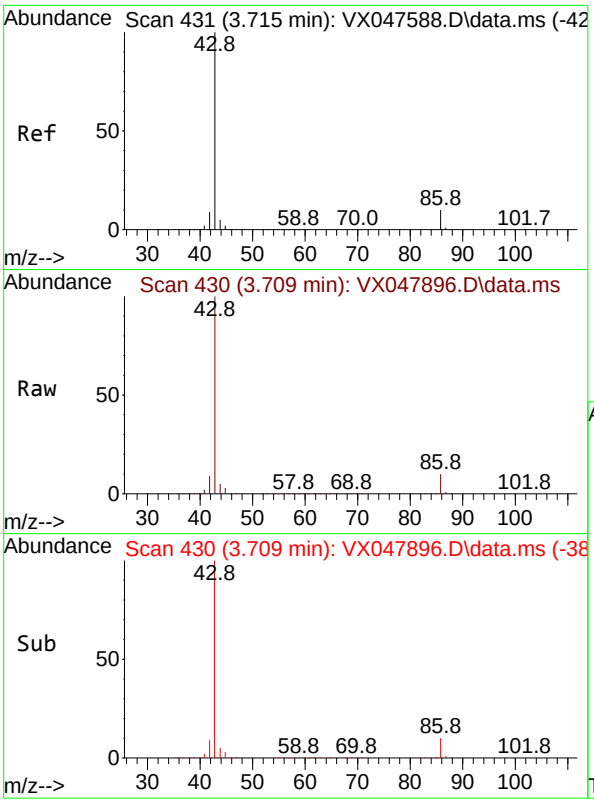


#22
Diisopropyl ether
Concen: 53.376 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 45 Resp: 403919

Ion	Ratio	Lower	Upper
45	100		
43	122.1	81.0	121.4#
87	25.7	20.3	30.5
59	11.6	9.0	13.4





#23
Vinyl Acetate
Concen: 268.522 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 162630

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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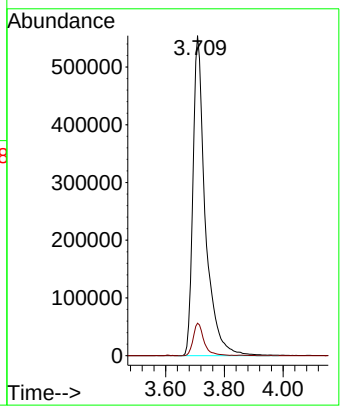
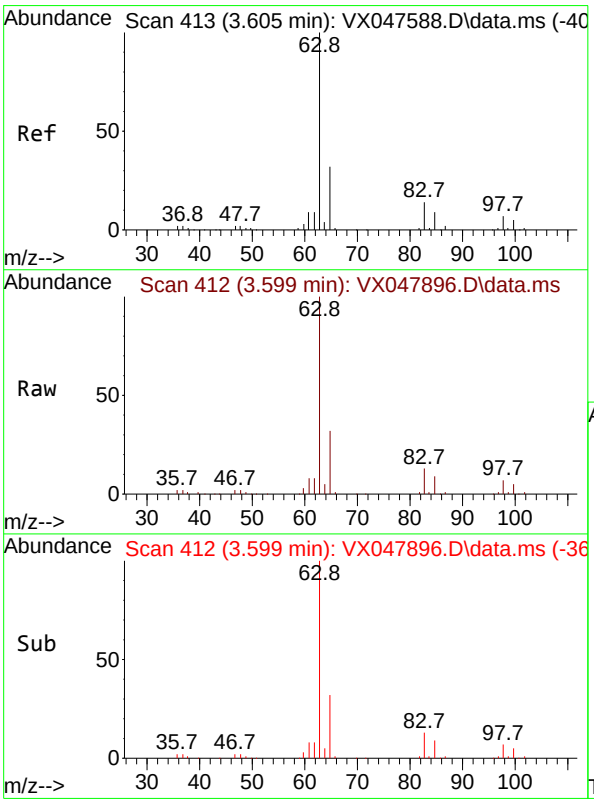
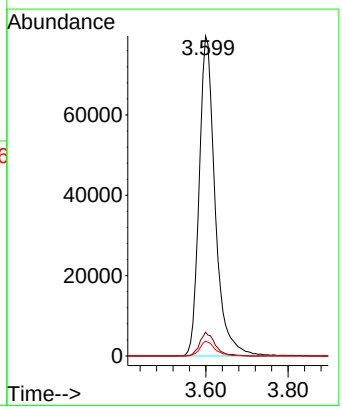


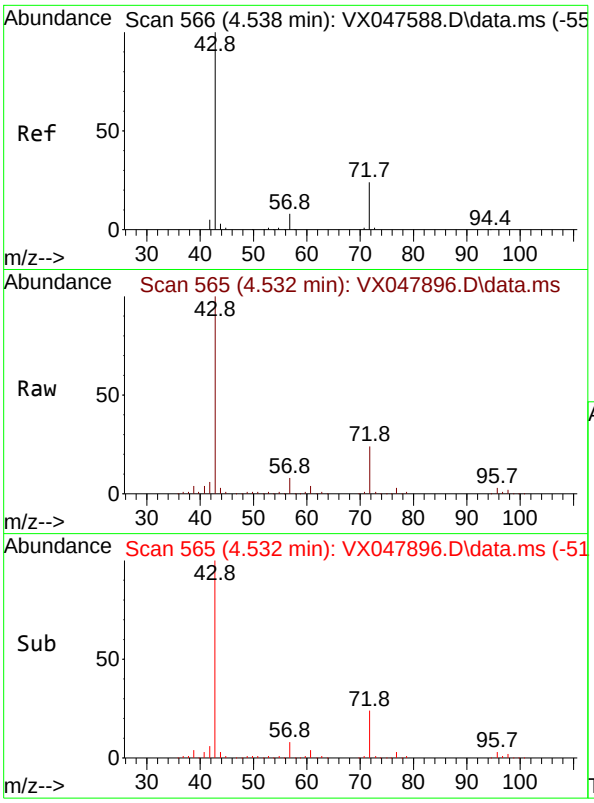


#24
1,1-Dichloroethane
Concen: 53.317 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 214450

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.2
100	4.8	2.3	6.9





#25
2-Butanone
Concen: 268.637 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 36936

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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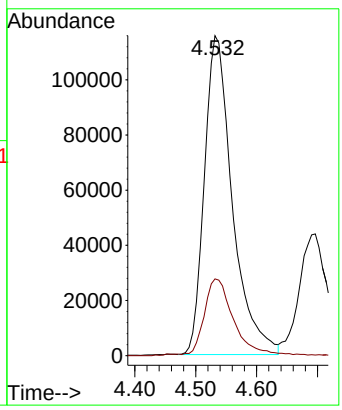
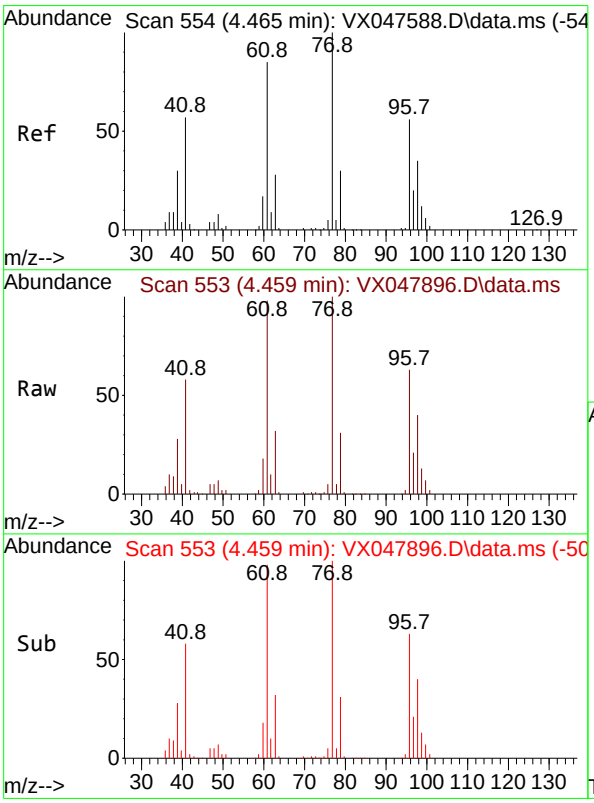
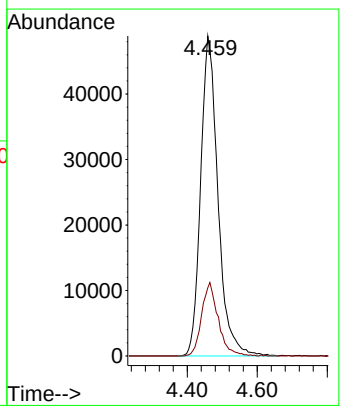


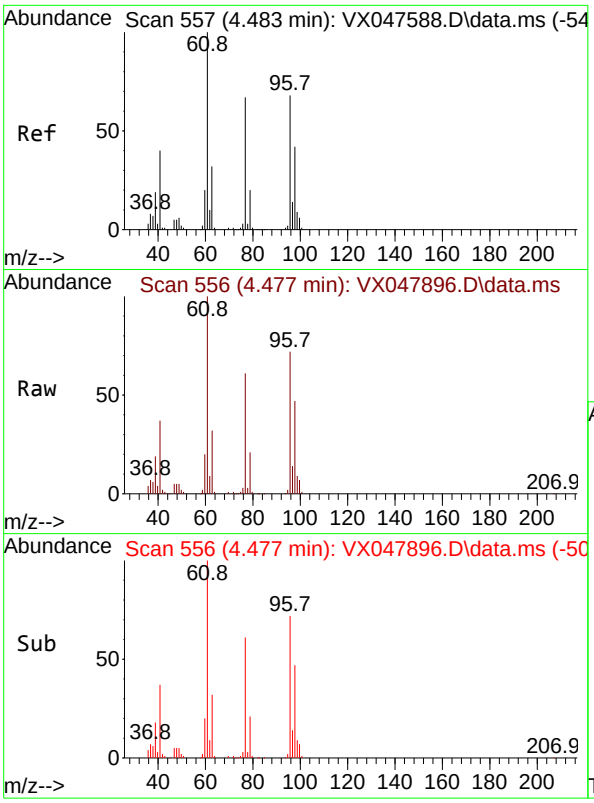


#26
2,2-Dichloropropane
Concen: 50.180 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 77 Resp: 167775

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 52.997 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 13222

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	63.5	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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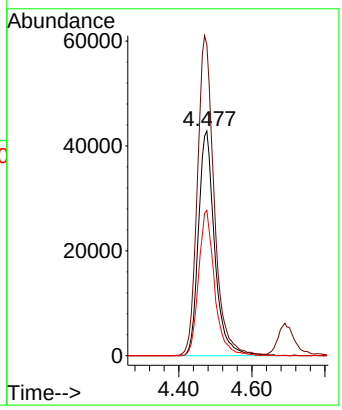
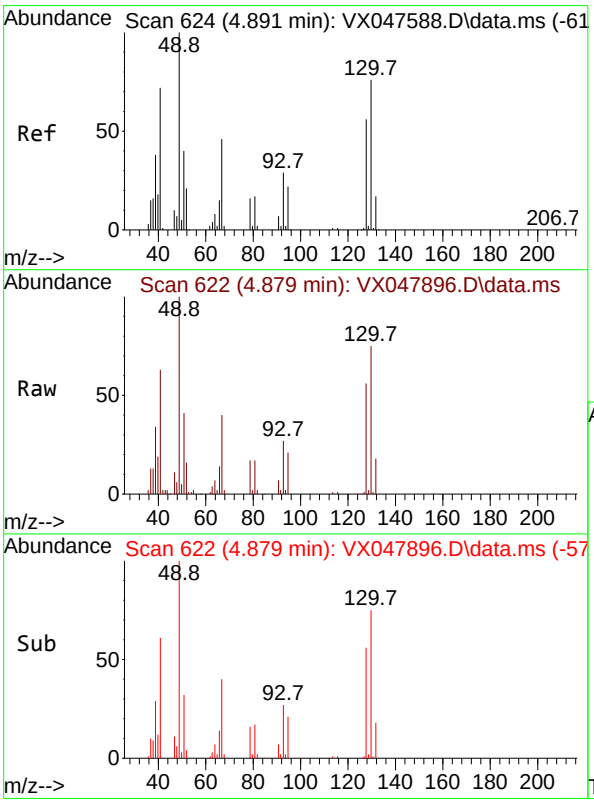
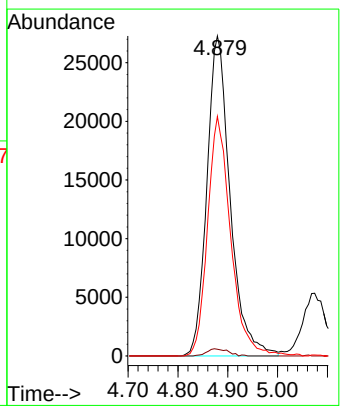


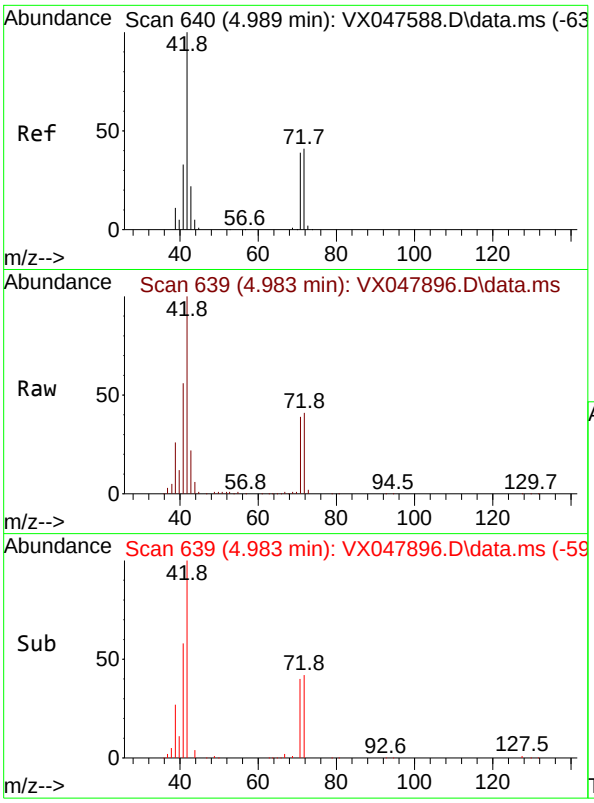


#28
Bromochloromethane
Concen: 50.341 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 49 Resp: 88396

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	74.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 266.130 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 42 Resp: 22012

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	39.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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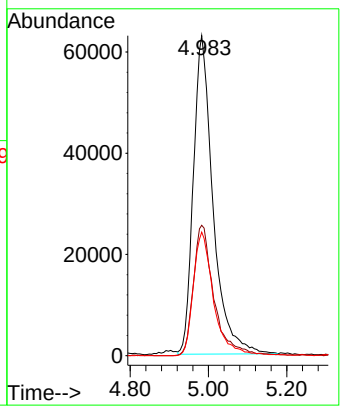
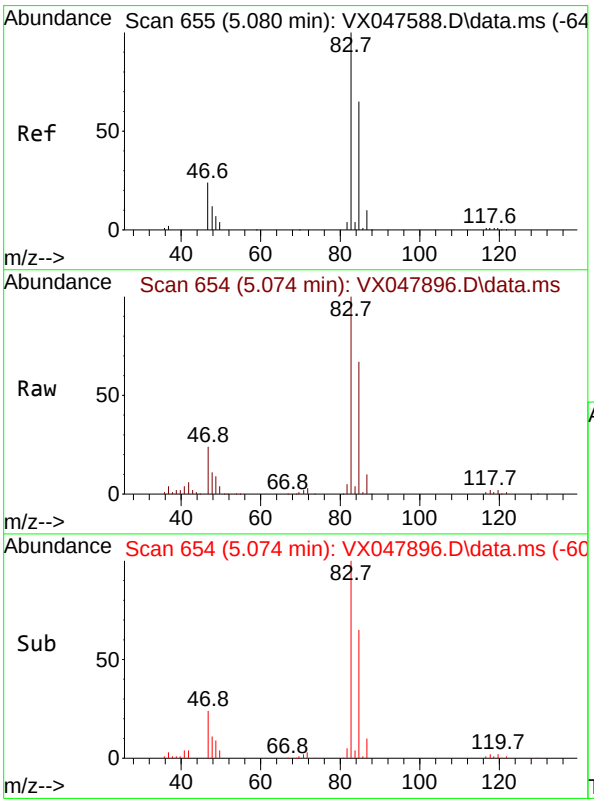
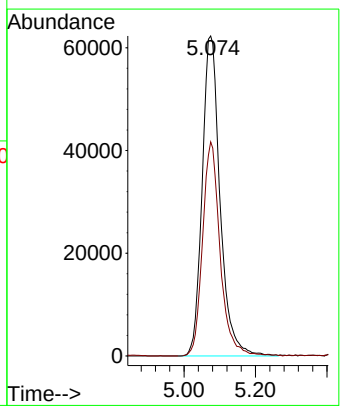


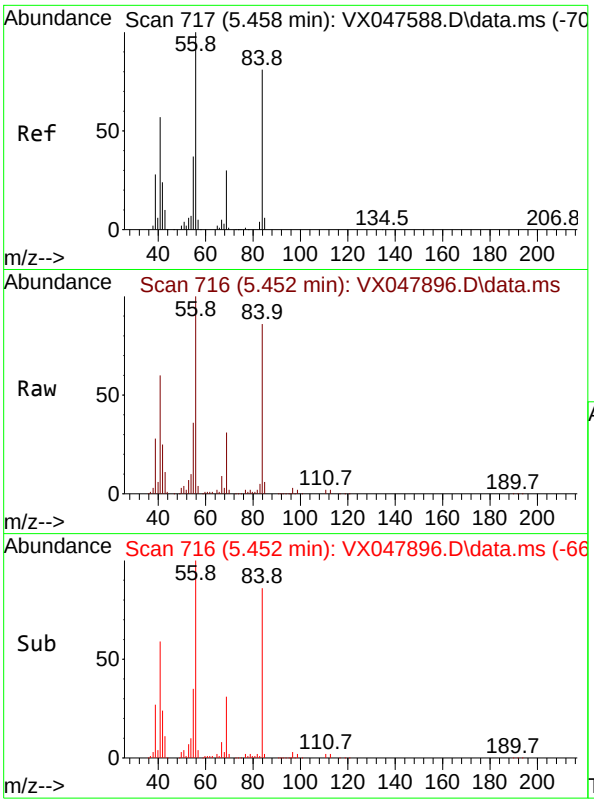


#30
Chloroform
Concen: 53.292 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 216603

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.6

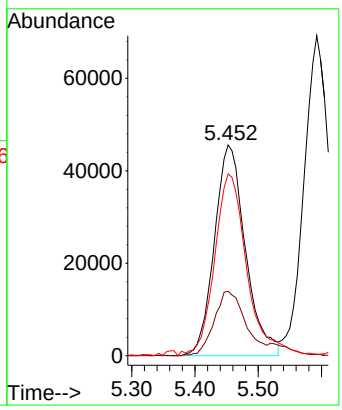




#31
Cyclohexane
Concen: 46.300 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 56 Resp: 15510

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	86.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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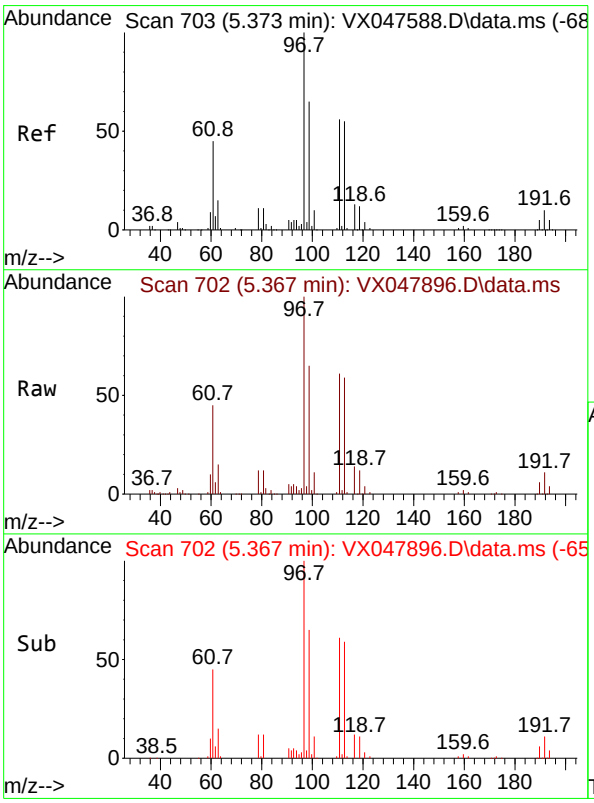
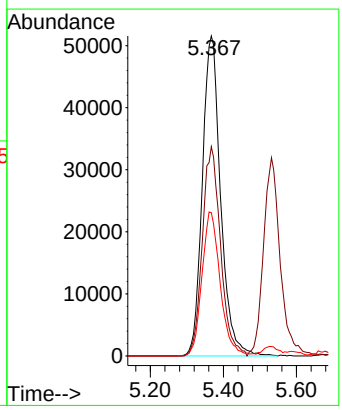
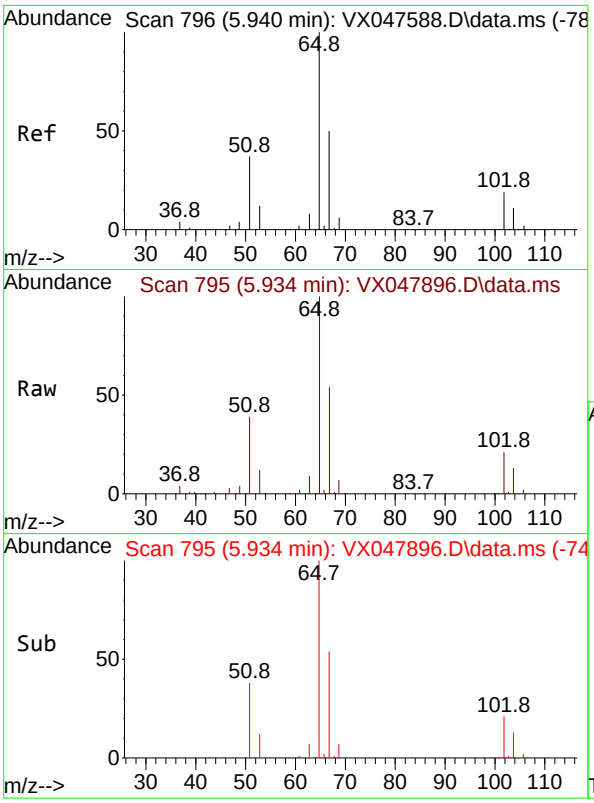


#32
1,1,1-Trichloroethane
Concen: 51.873 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 97 Resp: 178835

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	76.0
61	44.9	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 49.199 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 65 Resp: 12472

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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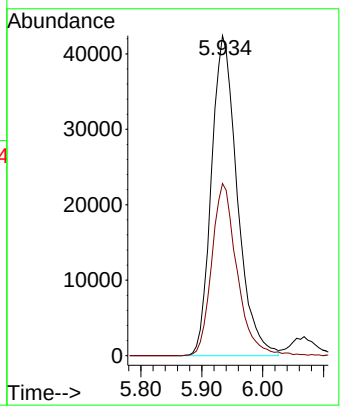
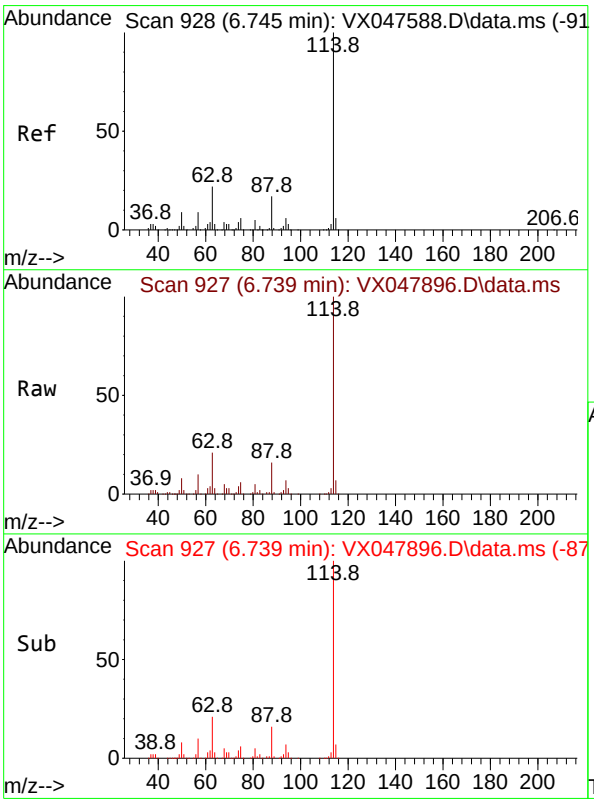
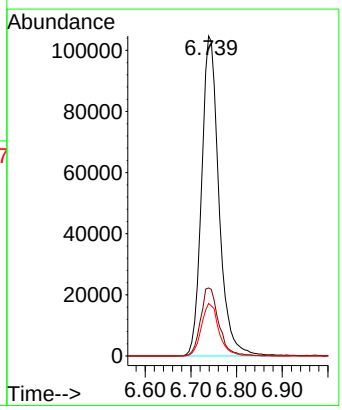


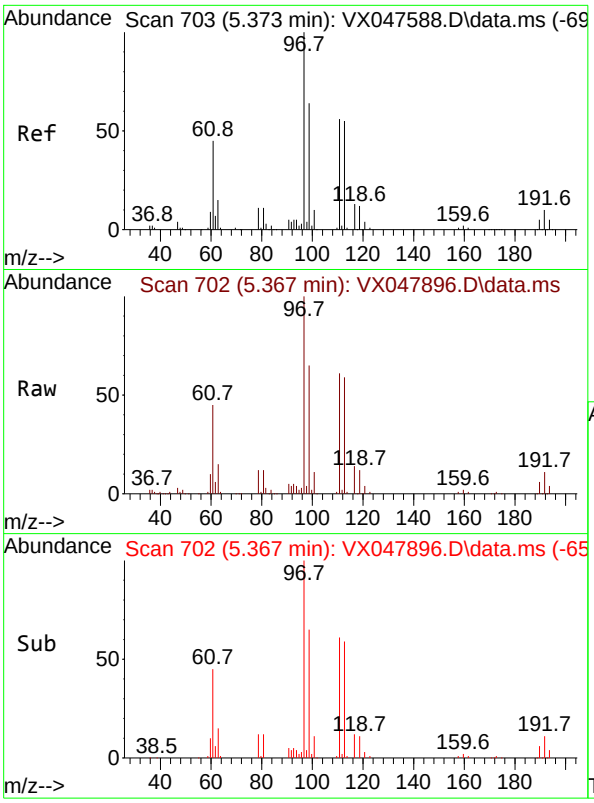


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:114 Resp: 274684

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.4	0.0	34.2

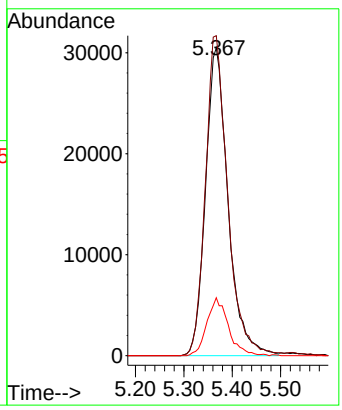




#35
Dibromofluoromethane
Concen: 53.545 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:113 Resp: 9864

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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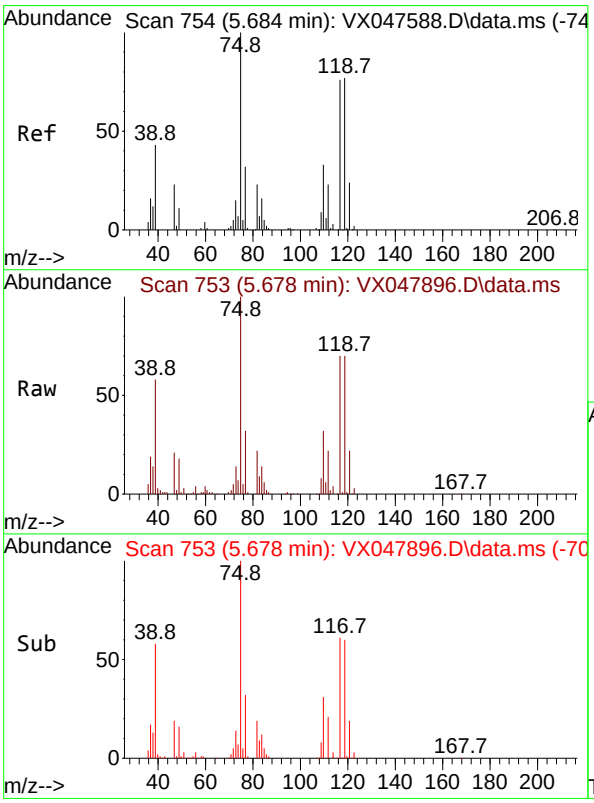
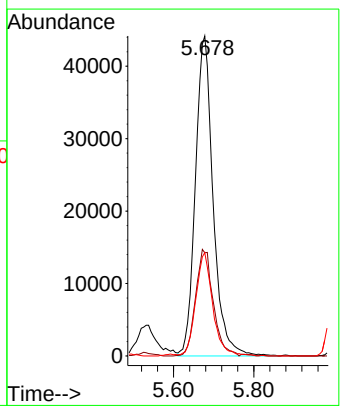
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

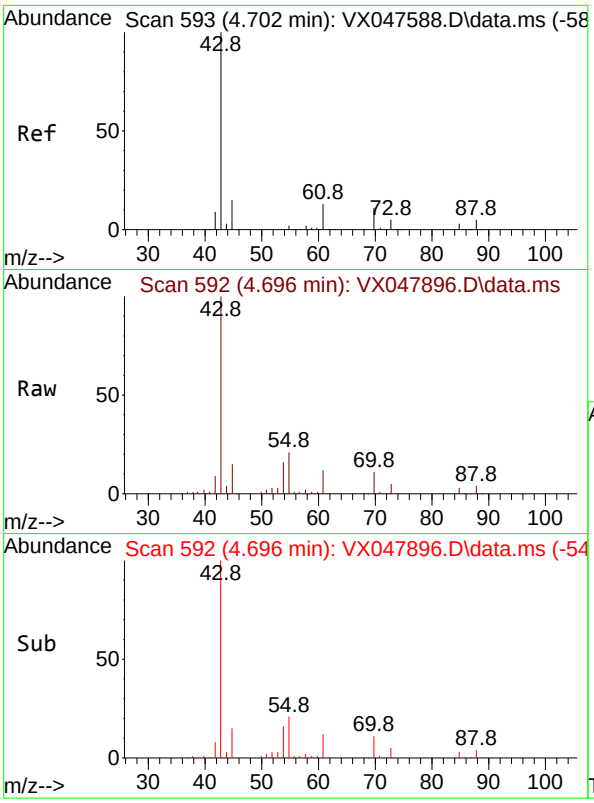


#36
1,1-Dichloropropene
Concen: 50.427 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 135743

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 52.801 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 15218

Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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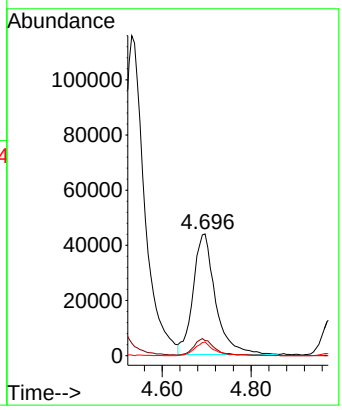
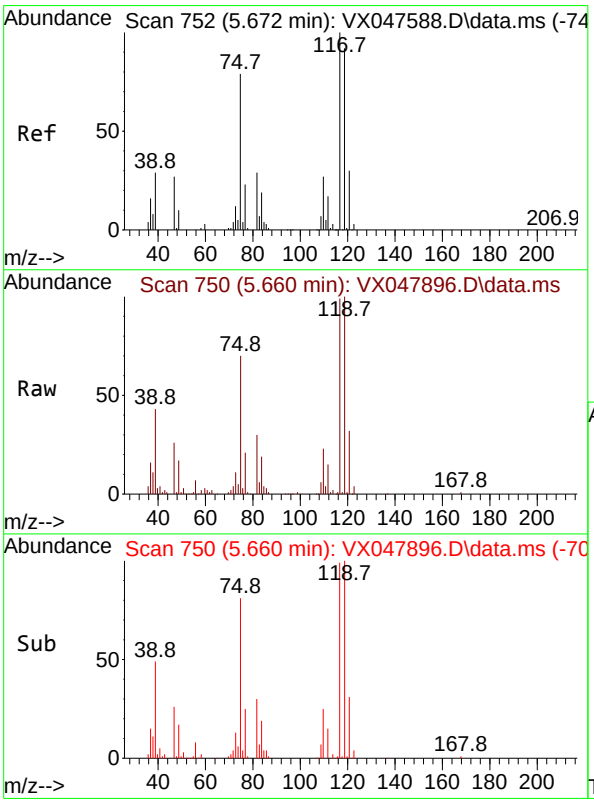
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

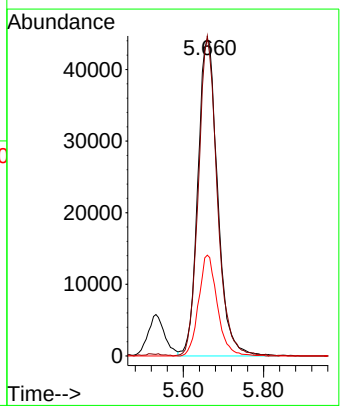


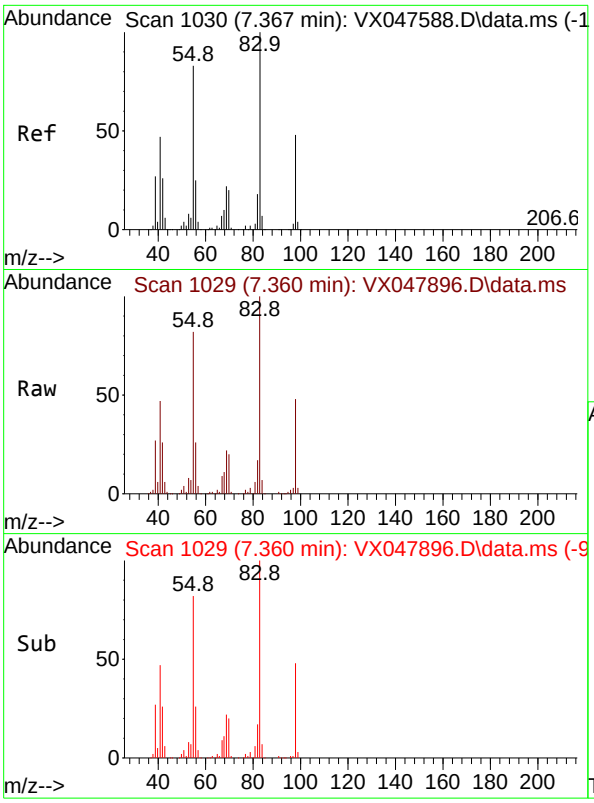


#38
Carbon Tetrachloride
Concen: 51.882 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 151743

Ion	Ratio	Lower	Upper
117	100		
119	100.8	73.4	110.2
121	31.8	23.8	35.6





#39
Methylcyclohexane
Concen: 46.130 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 14095

Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.4	99.6
98	48.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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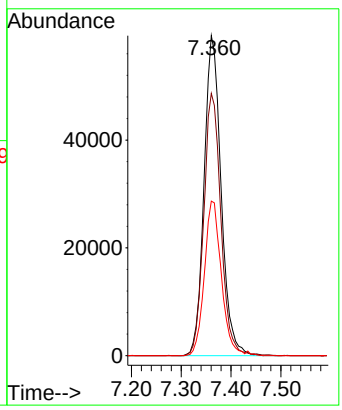
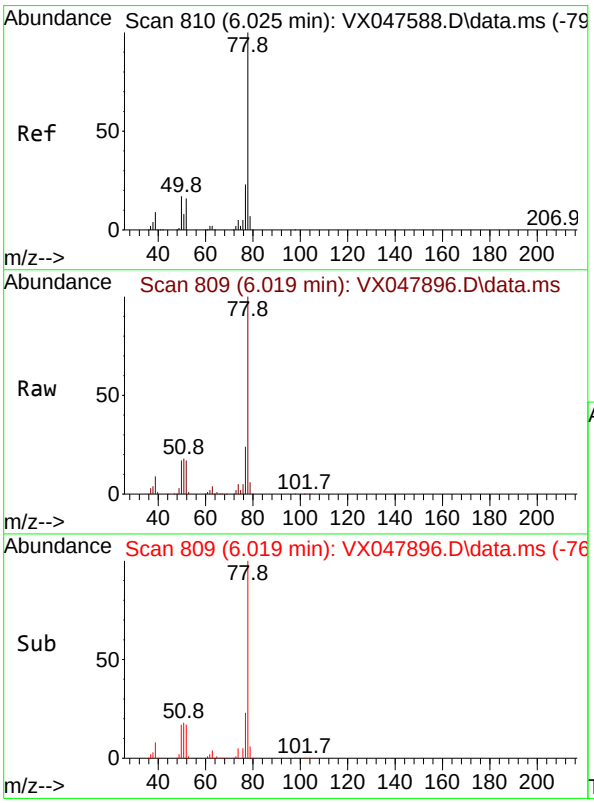
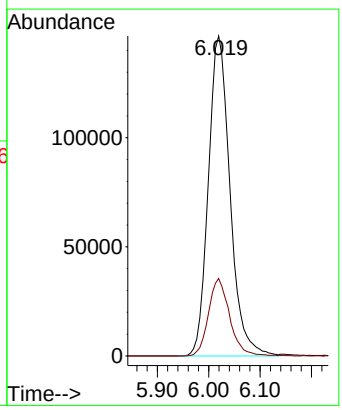


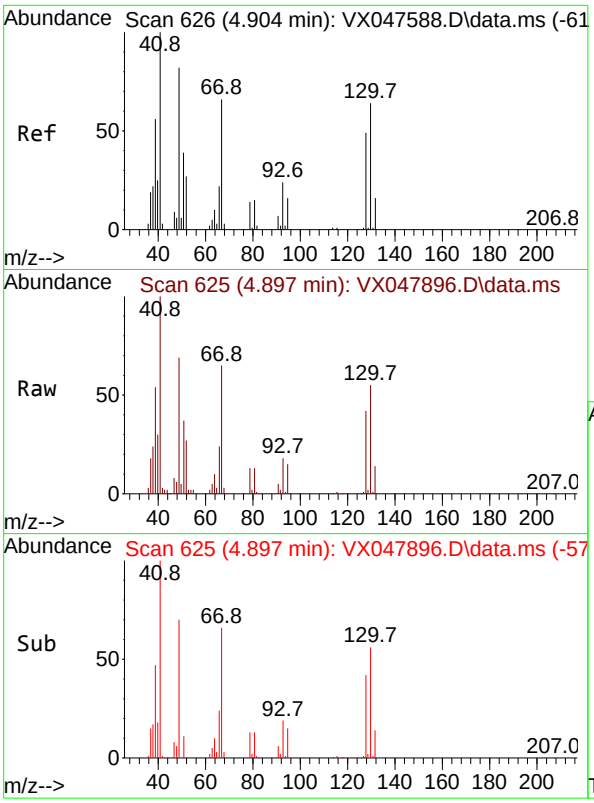


#40
Benzene
Concen: 52.564 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 78 Resp: 429759

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2

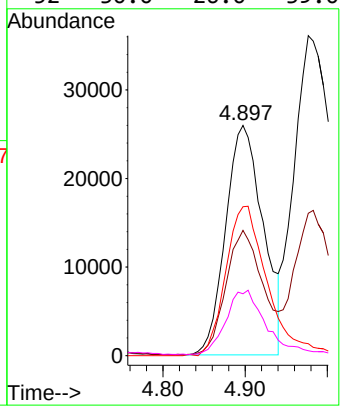




#41
Methacrylonitrile
Concen: 55.402 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 8243

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	72.9	58.6	87.8
52	30.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 10/01/2025
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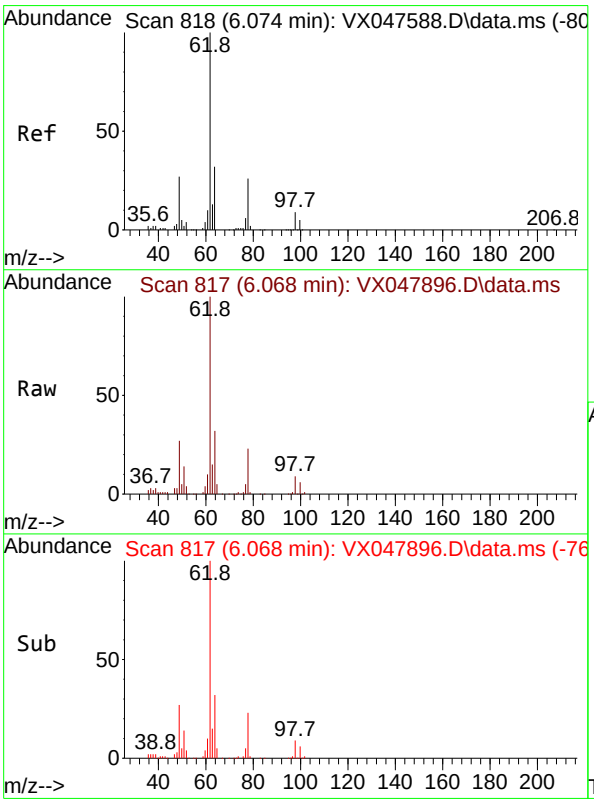
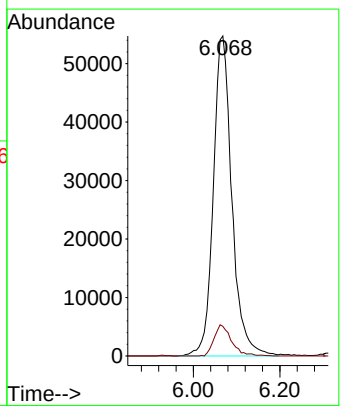
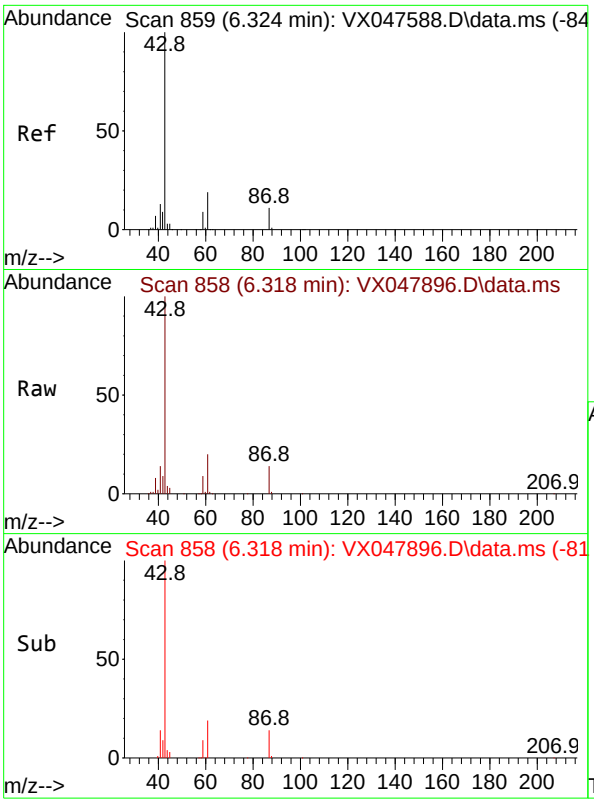


#42
1,2-Dichloroethane
Concen: 52.407 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 163028

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0





#43
Isopropyl Acetate
Concen: 51.856 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 24512

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.8	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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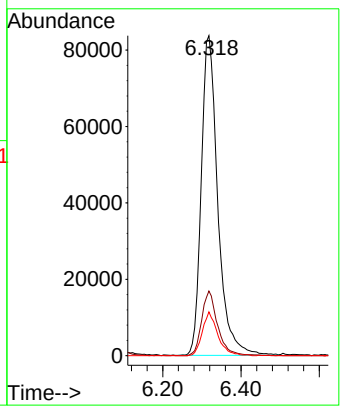
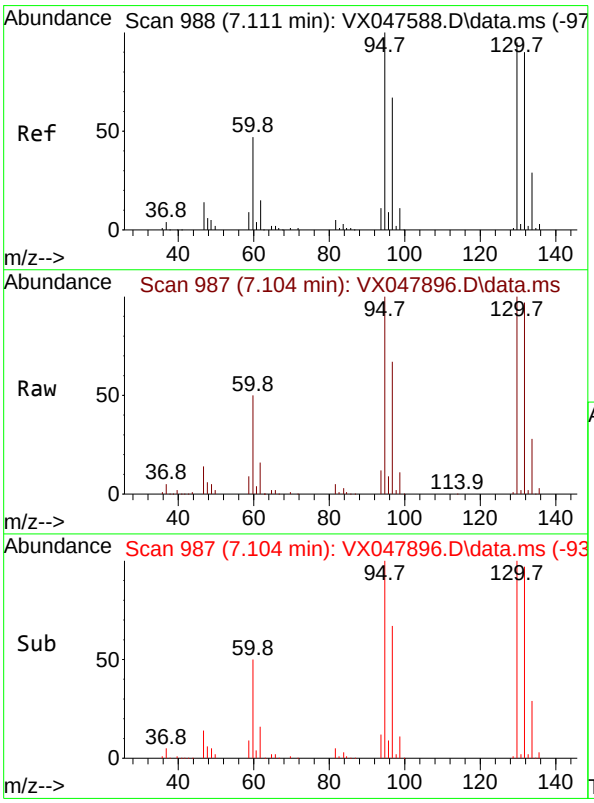
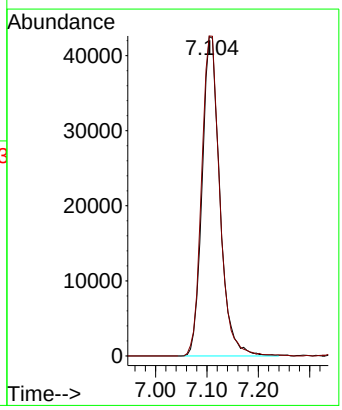


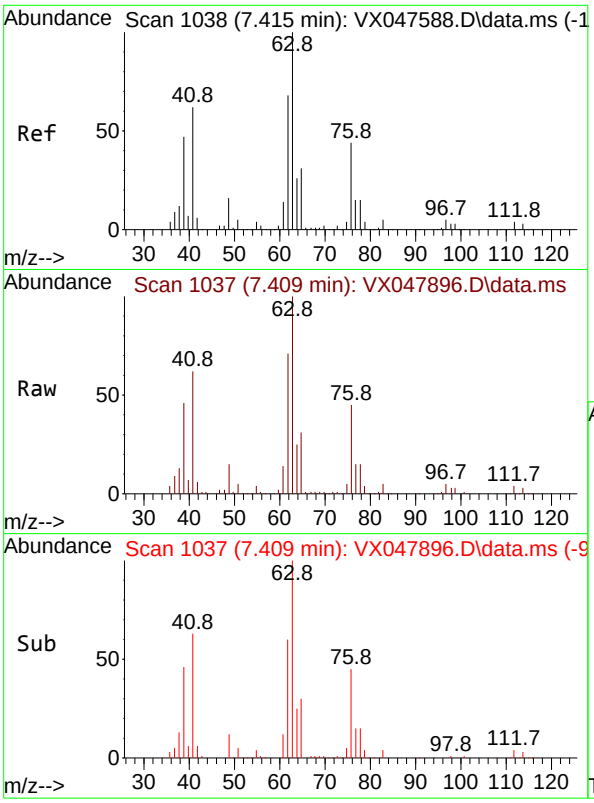


#44
Trichloroethene
Concen: 51.493 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:130 Resp: 101783

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	210.8





#45
1,2-Dichloropropane
Concen: 54.152 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 11336

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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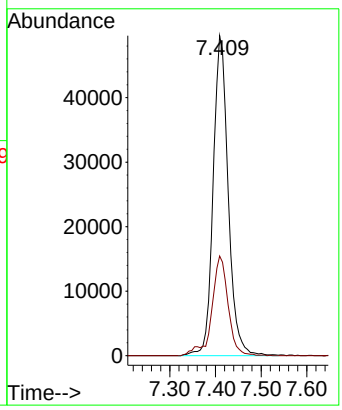
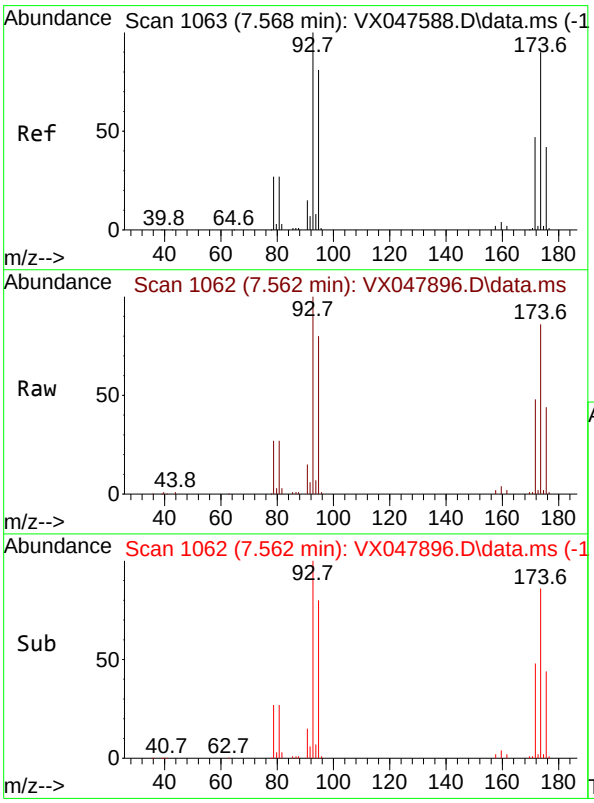
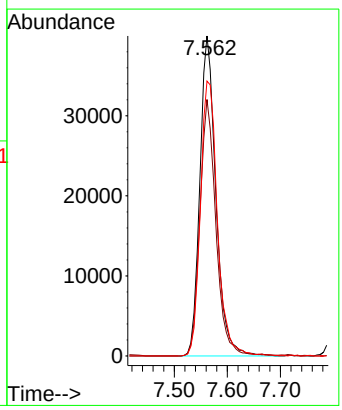


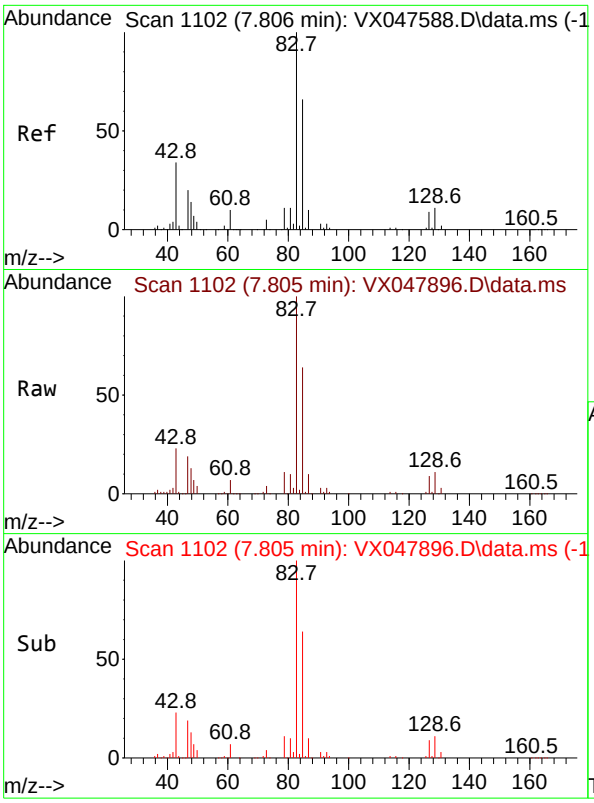


#46
Dibromomethane
Concen: 55.050 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 93 Resp: 83867

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.0	97.6
174	91.2	71.6	107.4

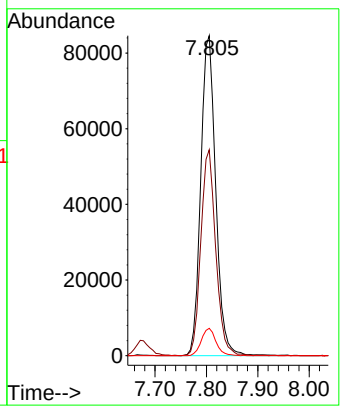




#47
Bromodichloromethane
Concen: 54.329 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 17079

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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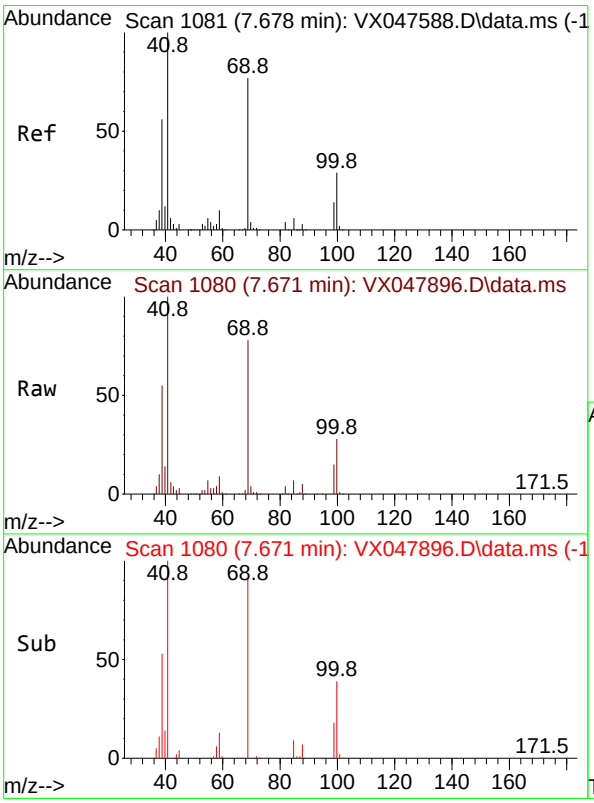
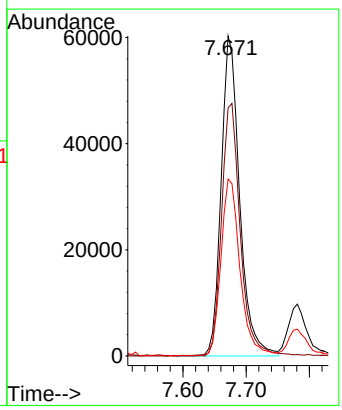
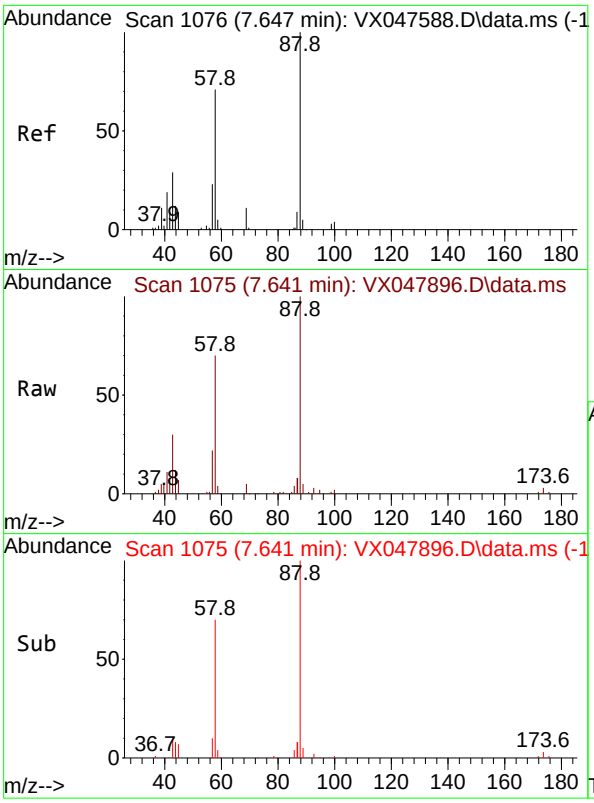


#48
Methyl methacrylate
Concen: 51.936 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 122288

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.8	45.8	68.6

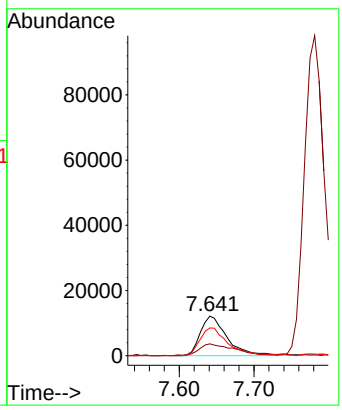




#49
1,4-Dioxane
Concen: 1262.927 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 88 Resp: 3005

Ion	Ratio	Lower	Upper
88	100		
43	40.3	30.2	45.2
58	74.5	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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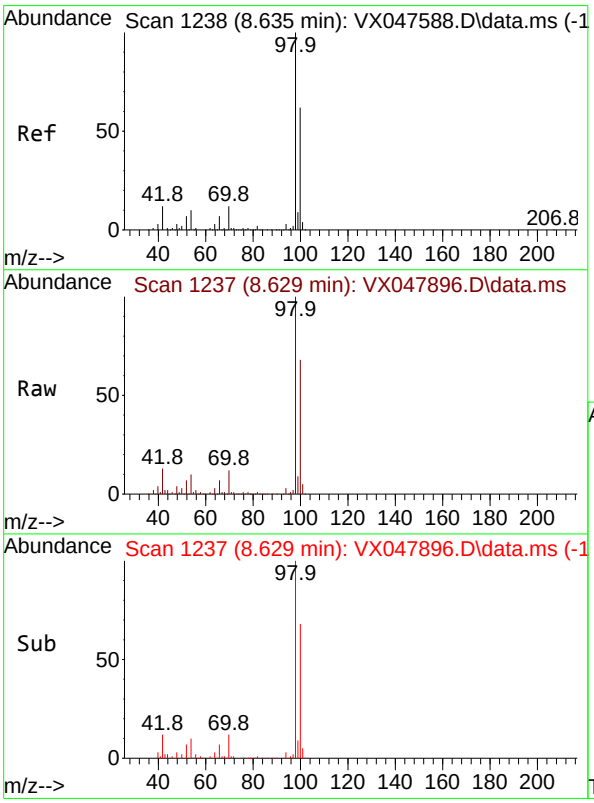
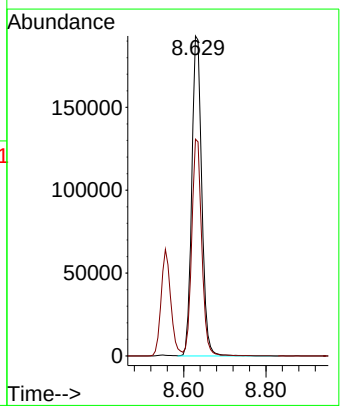
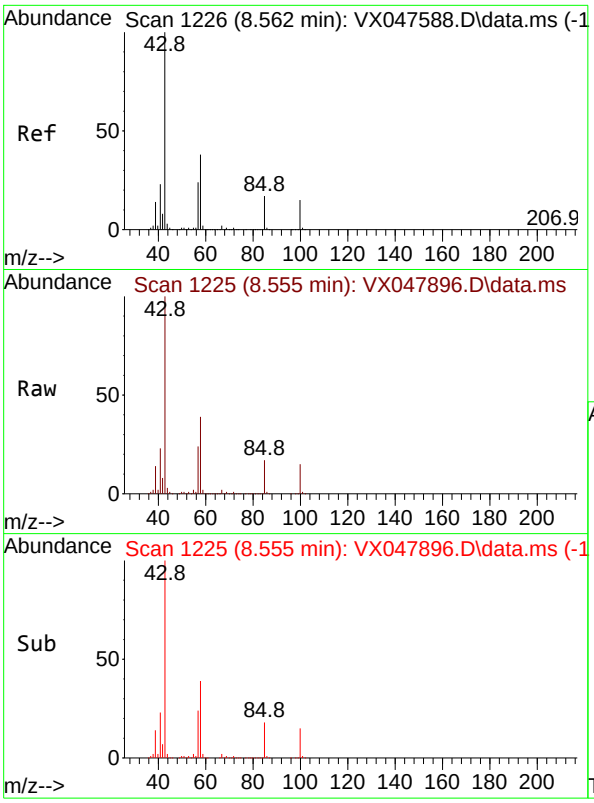


#50
Toluene-d8
Concen: 51.009 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 98 Resp: 325148

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4

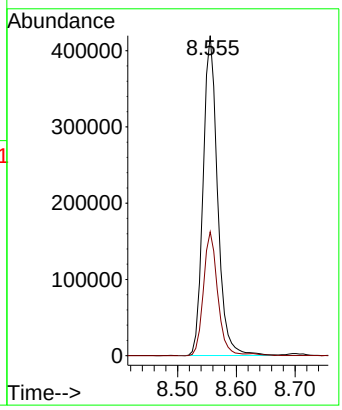




#51
4-Methyl-2-Pentanone
Concen: 274.485 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 71938

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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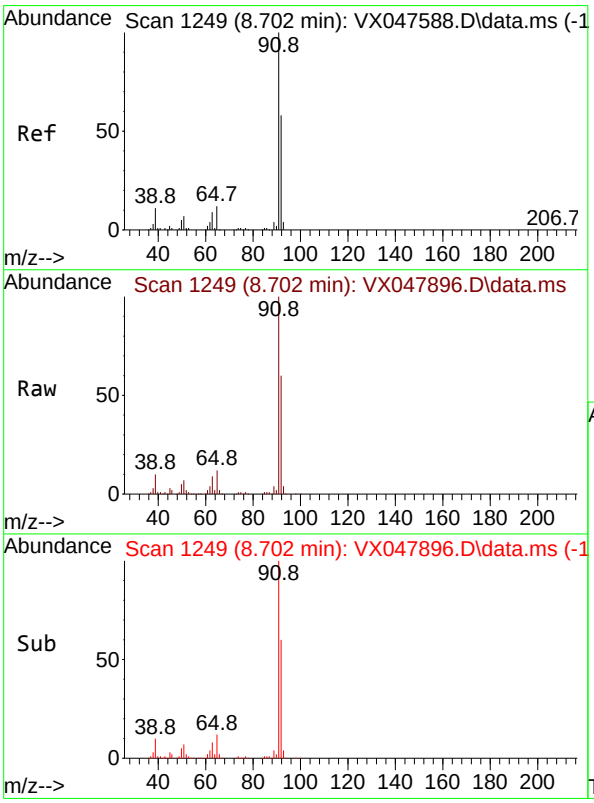
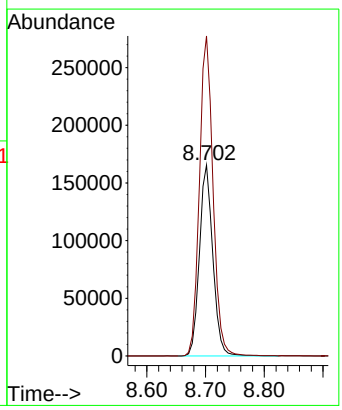
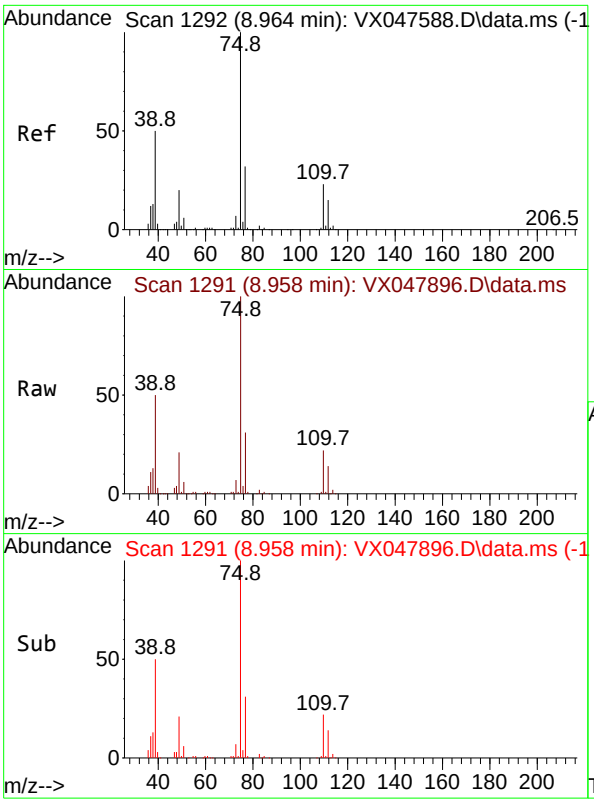


#52
Toluene
Concen: 52.039 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 92 Resp: 262130

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.1	205.7

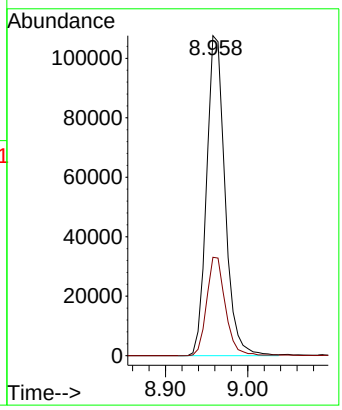




#53
t-1,3-Dichloropropene
Concen: 52.199 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 16738

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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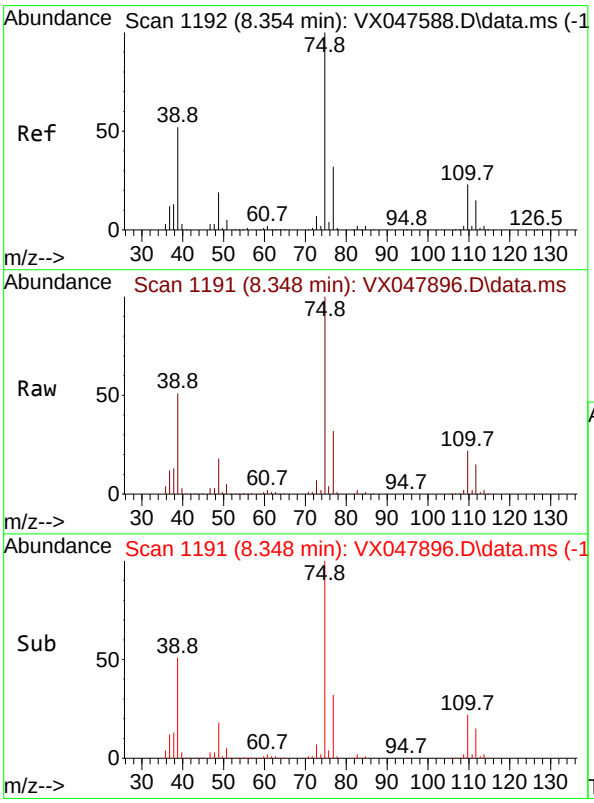
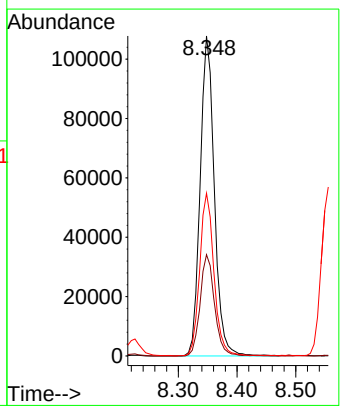
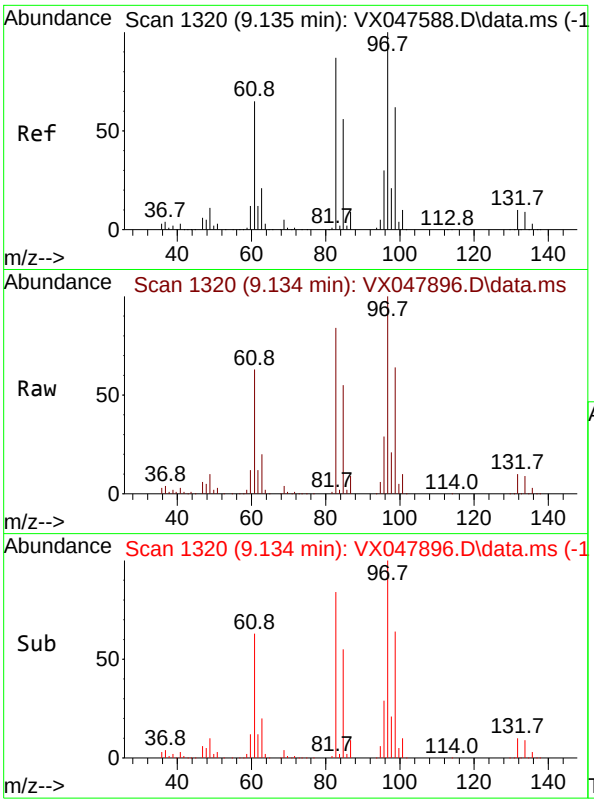


#54
cis-1,3-Dichloropropene
Concen: 52.821 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 181042

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	50.8	41.4	62.2

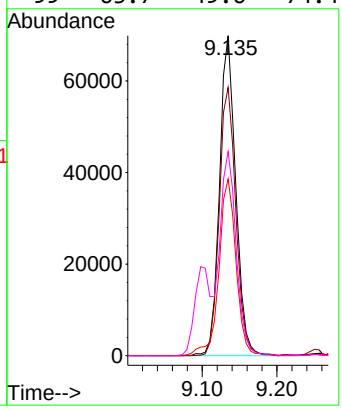




#55
1,1,2-Trichloroethane
Concen: 54.267 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 97 Resp: 10540

Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.6	104.4
85	55.3	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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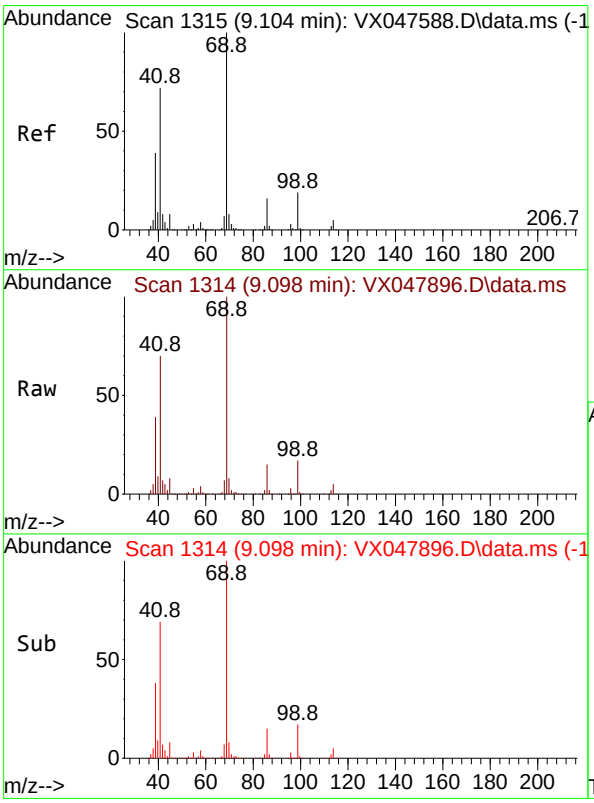
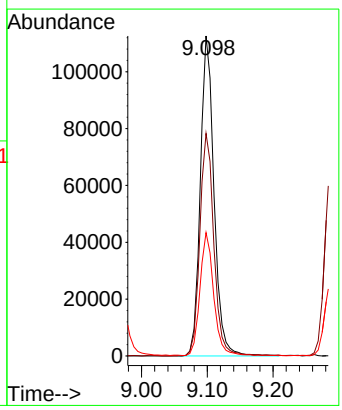
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

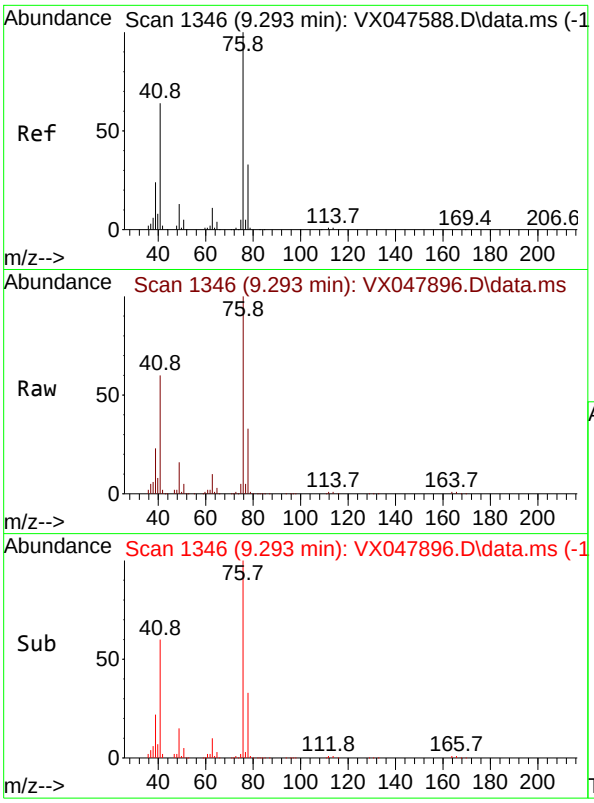


#56
Ethyl methacrylate
Concen: 53.463 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 69 Resp: 163078

Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	38.9	31.5	47.3





#57
1,3-Dichloropropane
Concen: 54.741 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 76 Resp: 18264

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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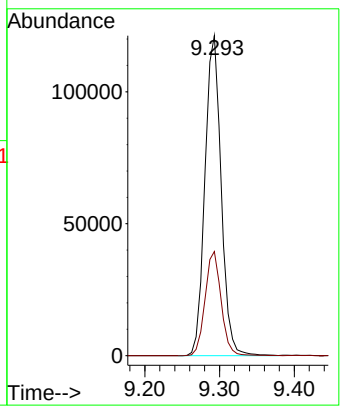
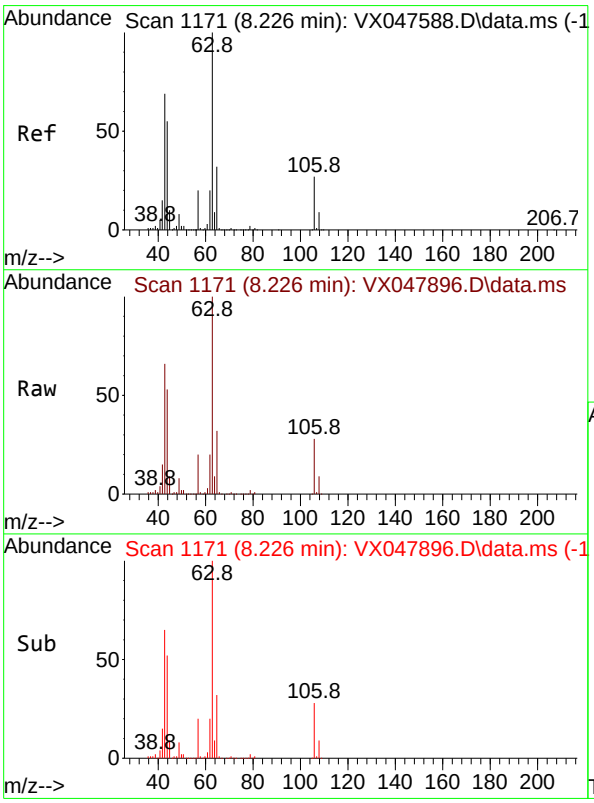
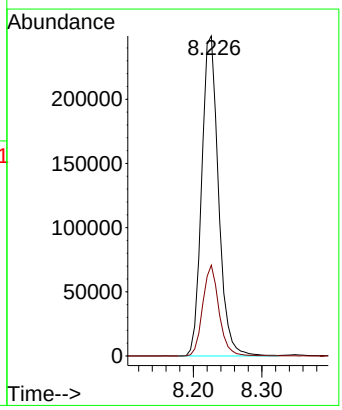


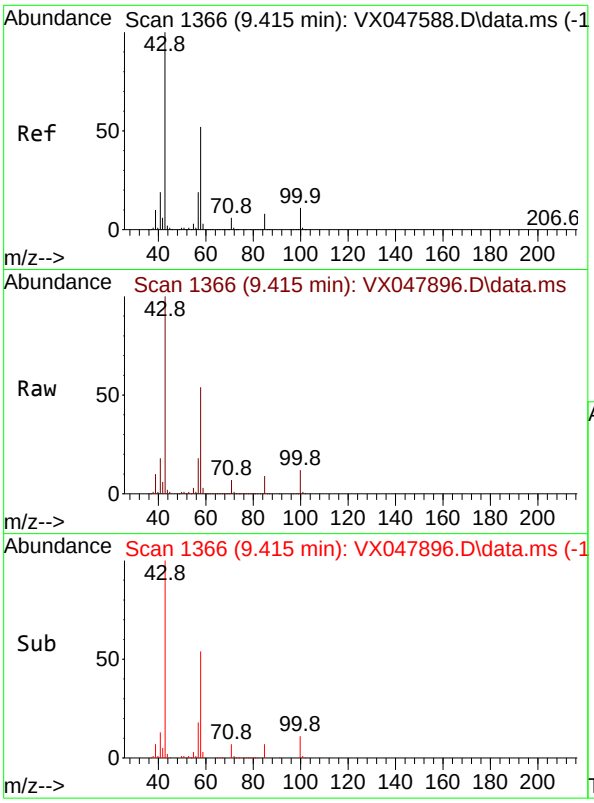


#58
2-Chloroethyl Vinyl ether
Concen: 288.987 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 425504

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





#59
2-Hexanone
Concen: 267.273 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 50309

Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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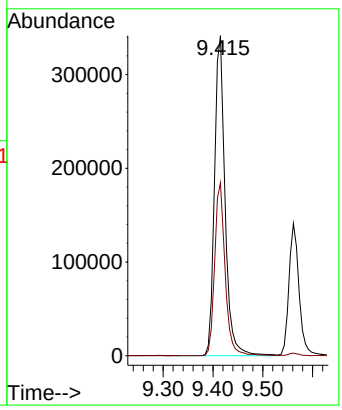
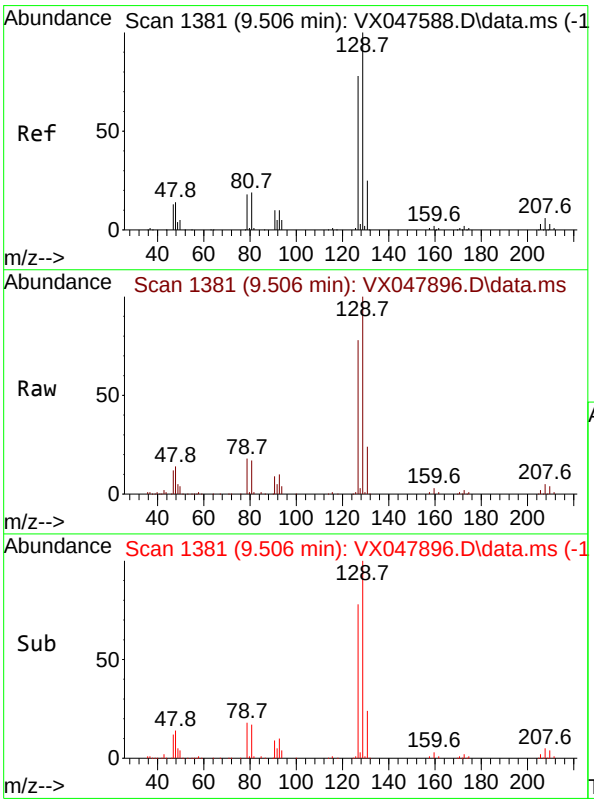
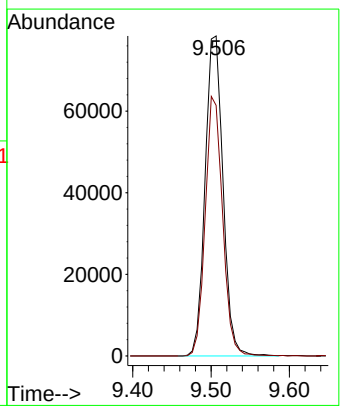


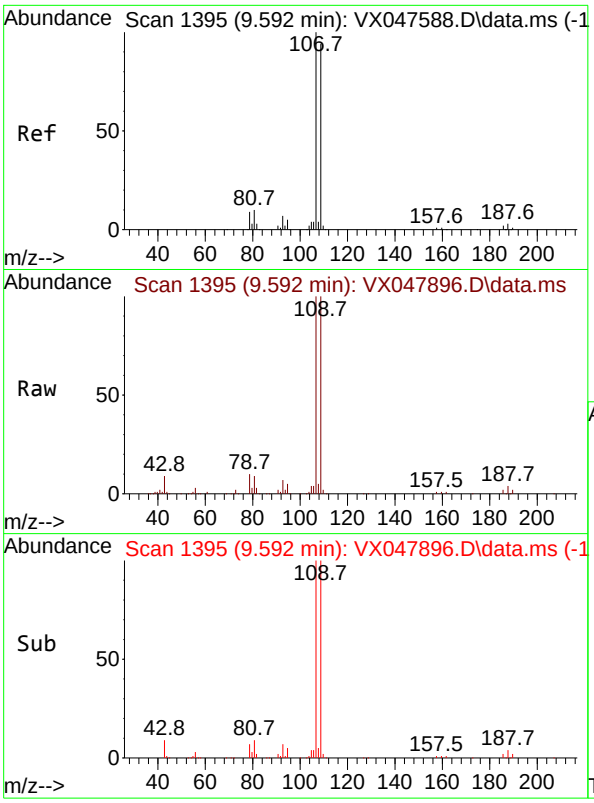


#60
Dibromochloromethane
Concen: 55.448 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:129 Resp: 124090

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2





#61
1,2-Dibromoethane
Concen: 54.903 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:107 Resp: 10861

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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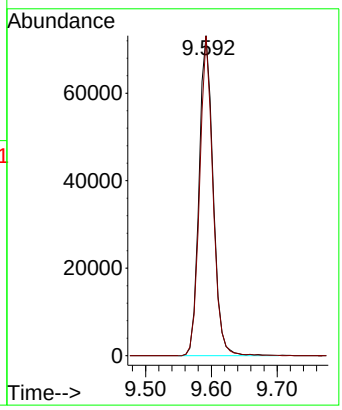
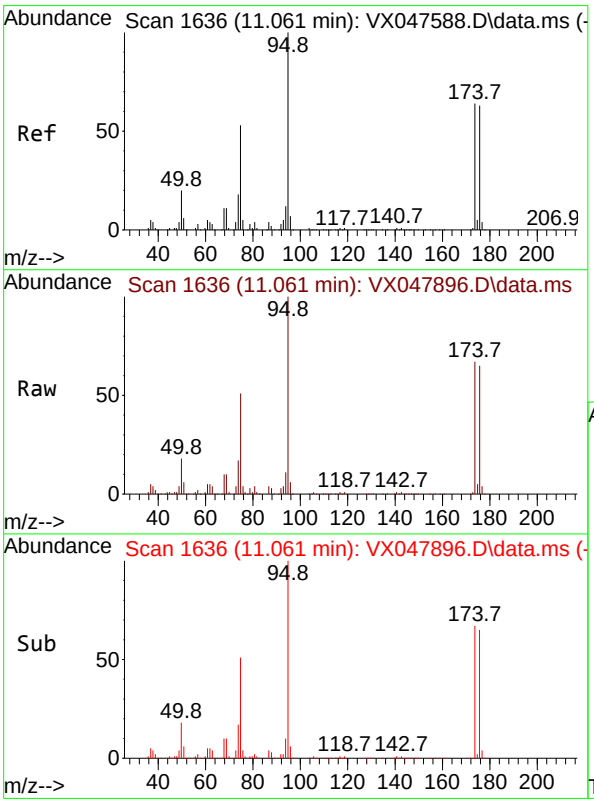
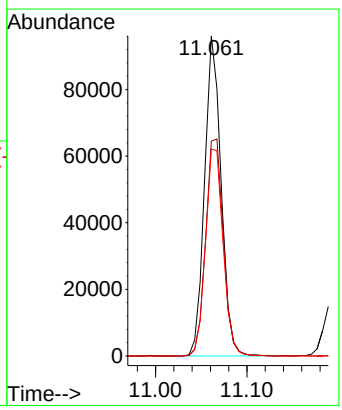


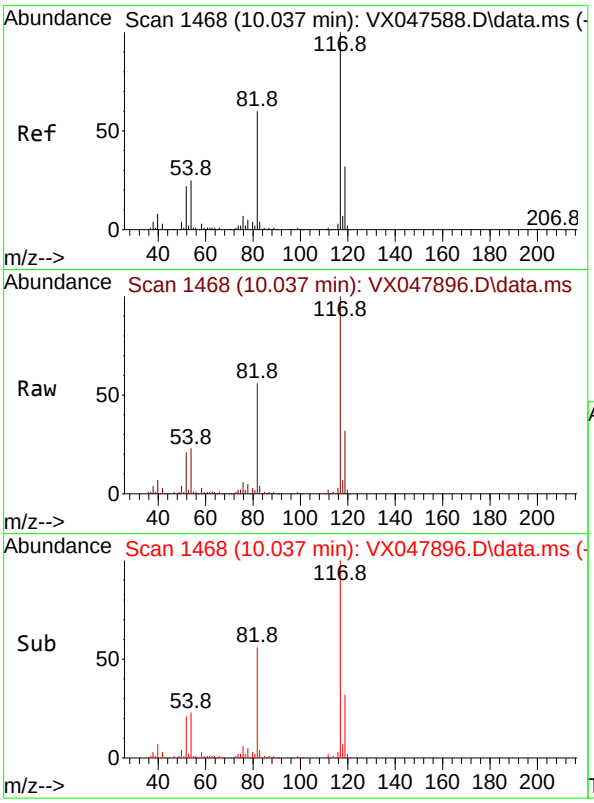


#62
4-Bromofluorobenzene
Concen: 49.687 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 95 Resp: 120201

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 24706

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.3	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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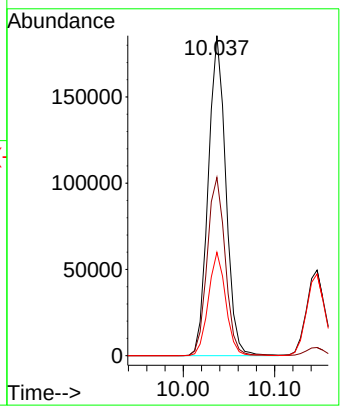
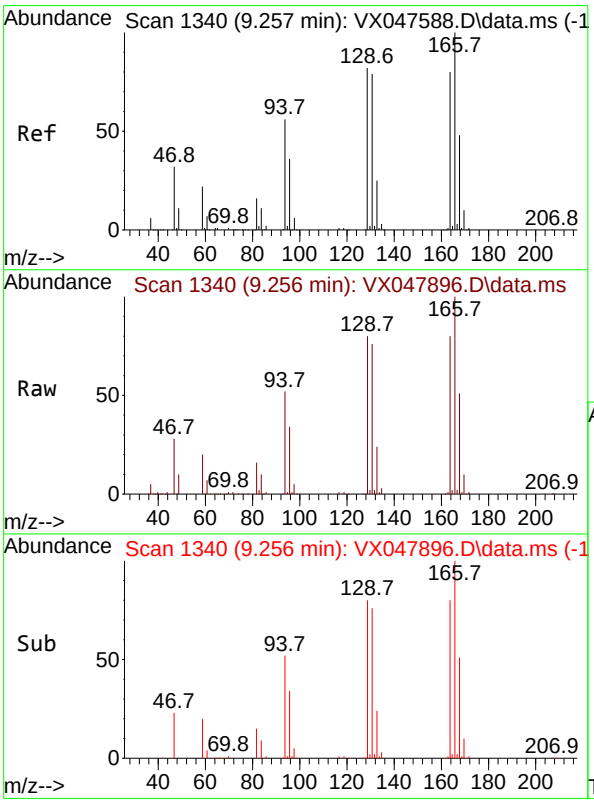
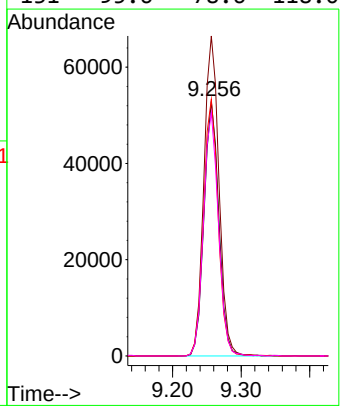


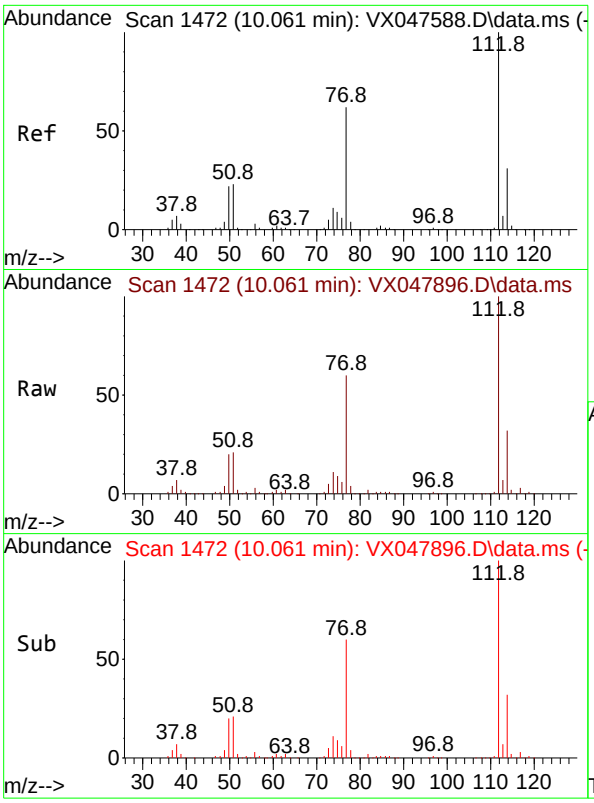


#64
Tetrachloroethene
Concen: 49.476 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:164 Resp: 79687

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.2	150.2
129	100.8	81.8	122.6
131	95.6	78.6	118.0





#65
Chlorobenzene
Concen: 52.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:112 Resp: 29220

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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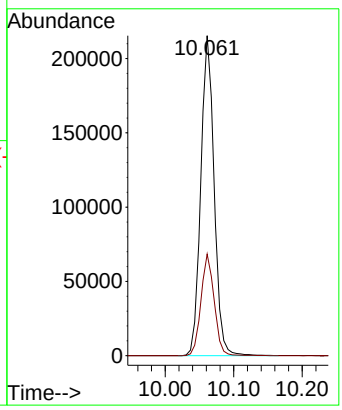
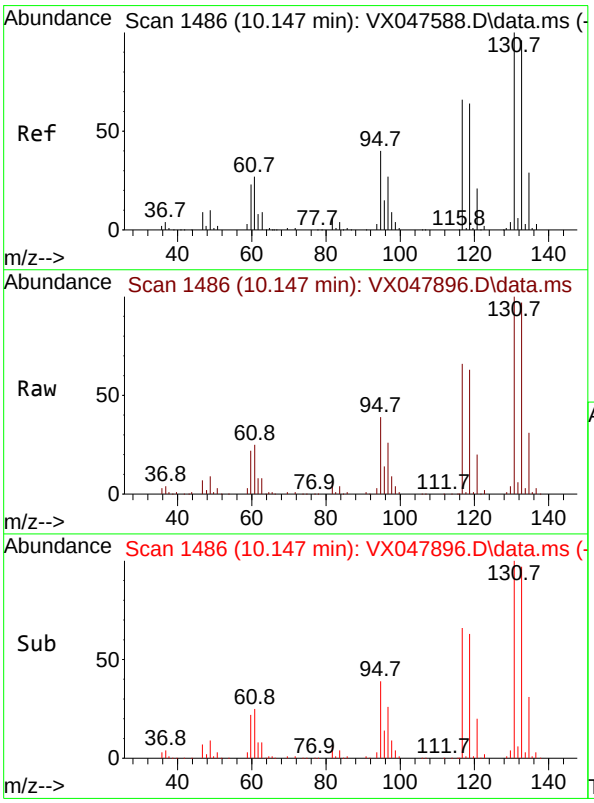
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

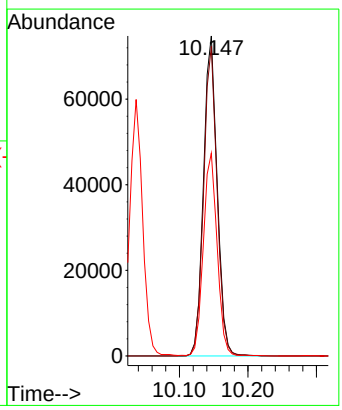


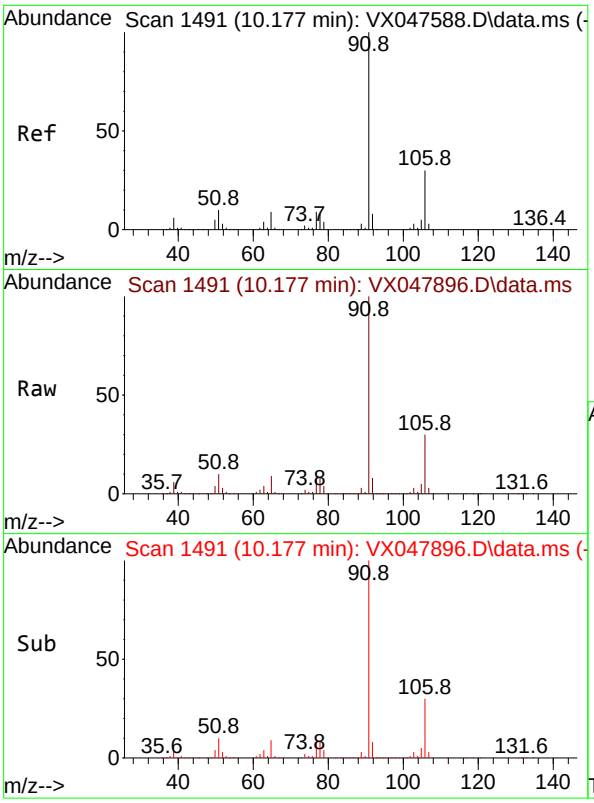


#66
1,1,1,2-Tetrachloroethane
Concen: 53.724 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:131 Resp: 104056

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.1	32.0	96.0

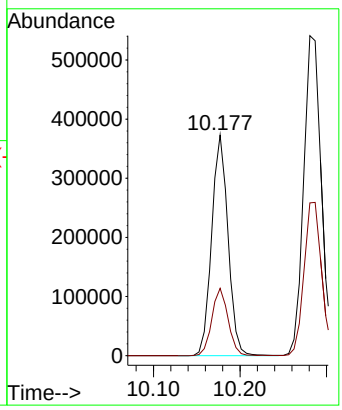




#67
Ethyl Benzene
Concen: 50.546 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 48952

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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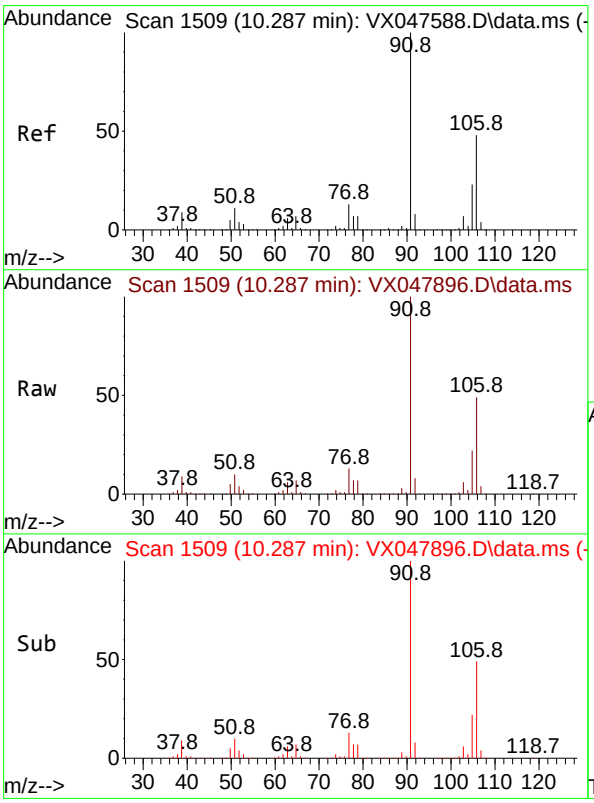
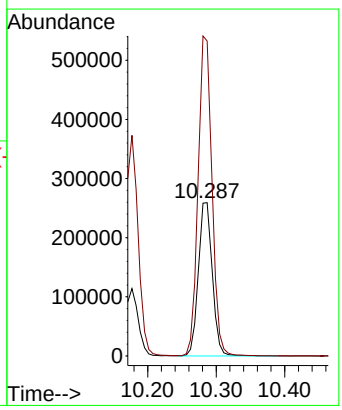
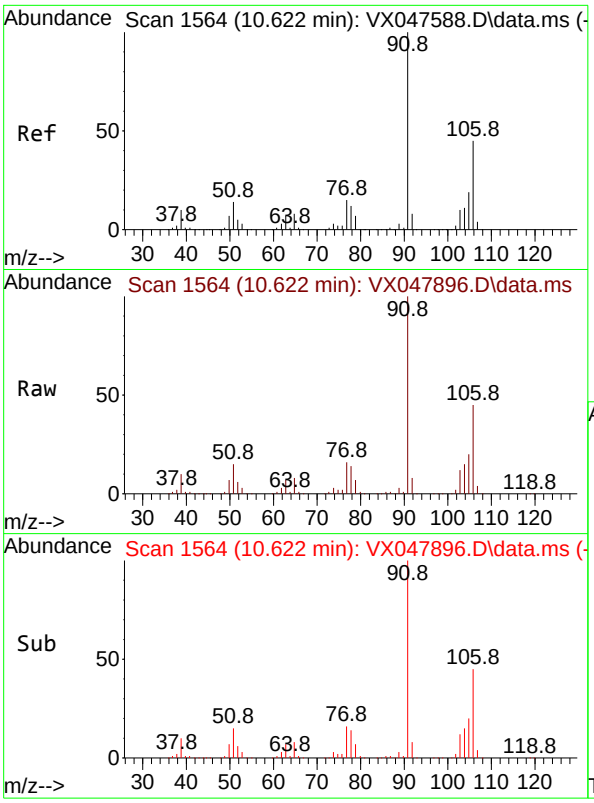


#68
m/p-Xylenes
Concen: 102.001 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:106 Resp: 367685

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.8	251.8





#69
o-Xylene
Concen: 51.259 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:106 Resp: 17872

Ion	Ratio	Lower	Upper
106	100		
91	220.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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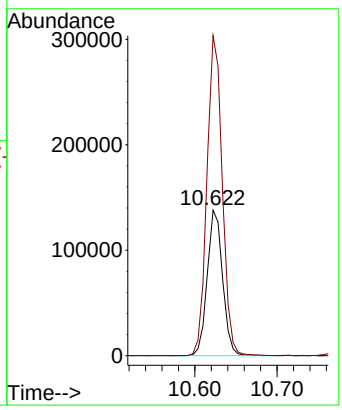
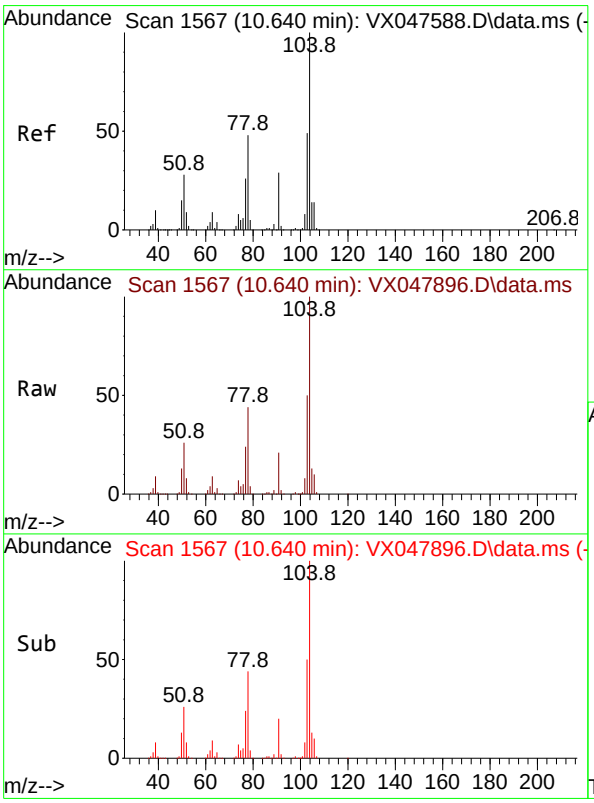
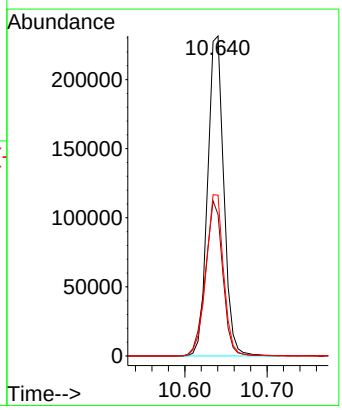


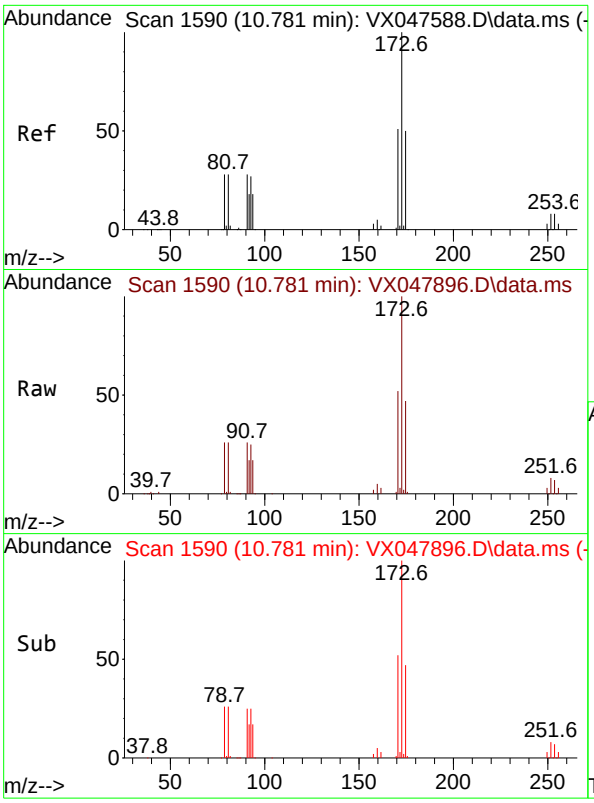


#70
Styrene
Concen: 51.876 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:104 Resp: 316919

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	54.8	43.1	64.7





#71
Bromoform
Concen: 55.113 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:173 Resp: 7970

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.1	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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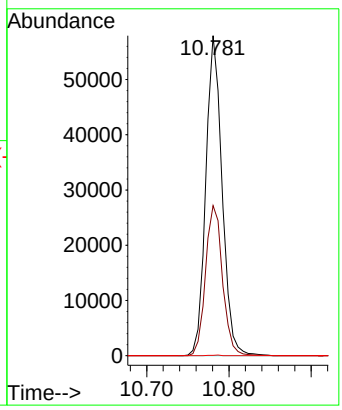
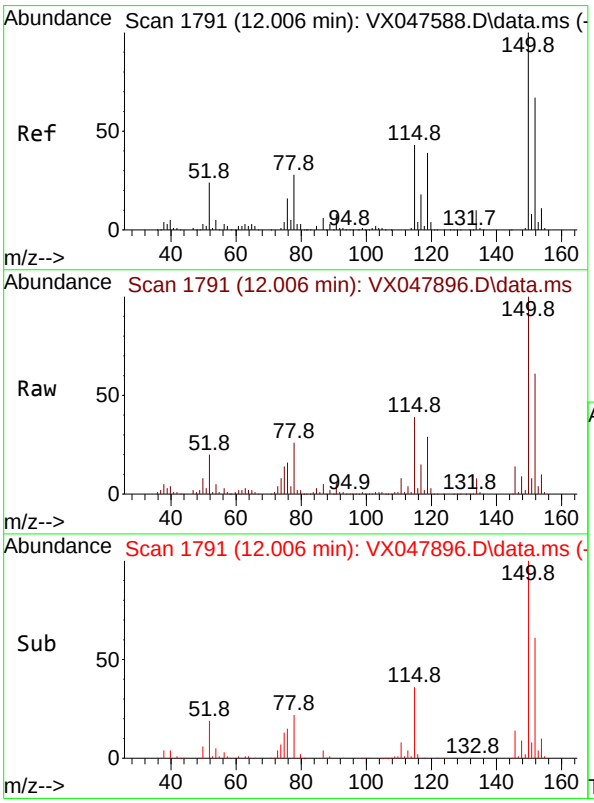
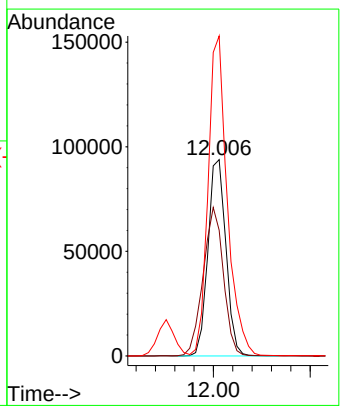


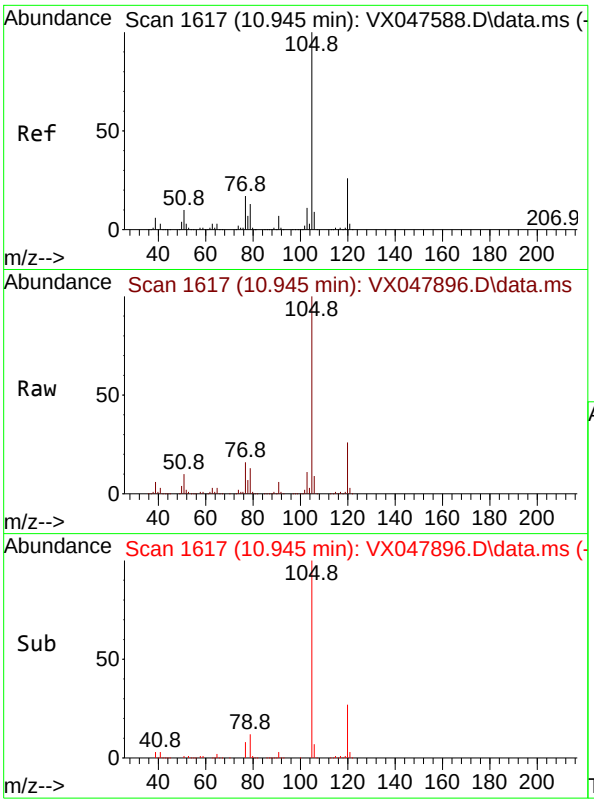


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:152 Resp: 121307

Ion	Ratio	Lower	Upper
152	100		
115	85.8	44.9	134.5
150	173.1	0.0	352.0





#73
Isopropylbenzene
Concen: 49.226 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

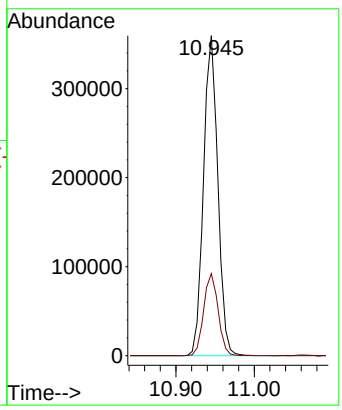
Tgt Ion:105 Resp: 45398

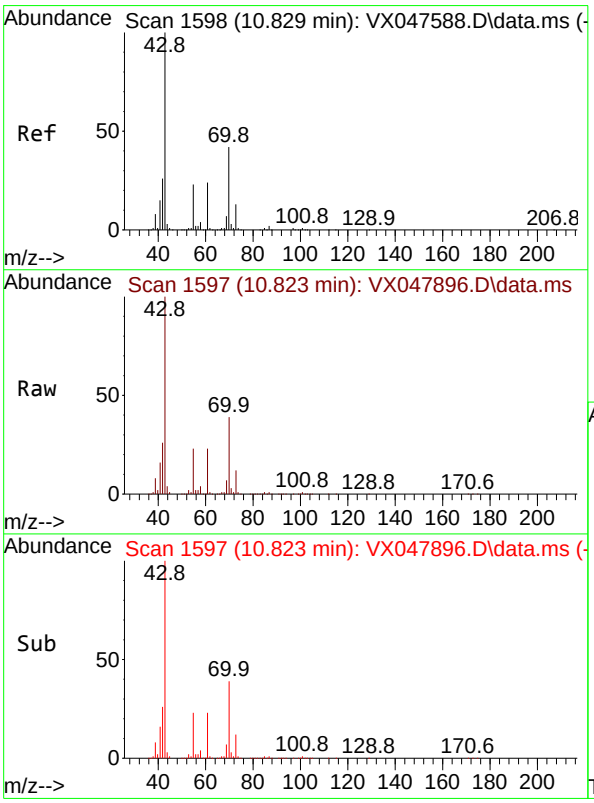
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

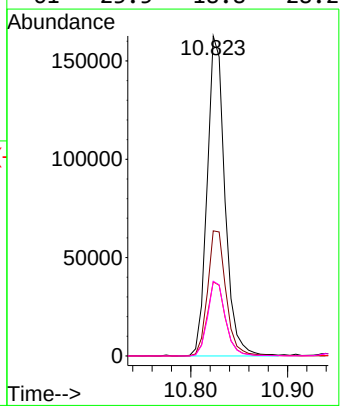


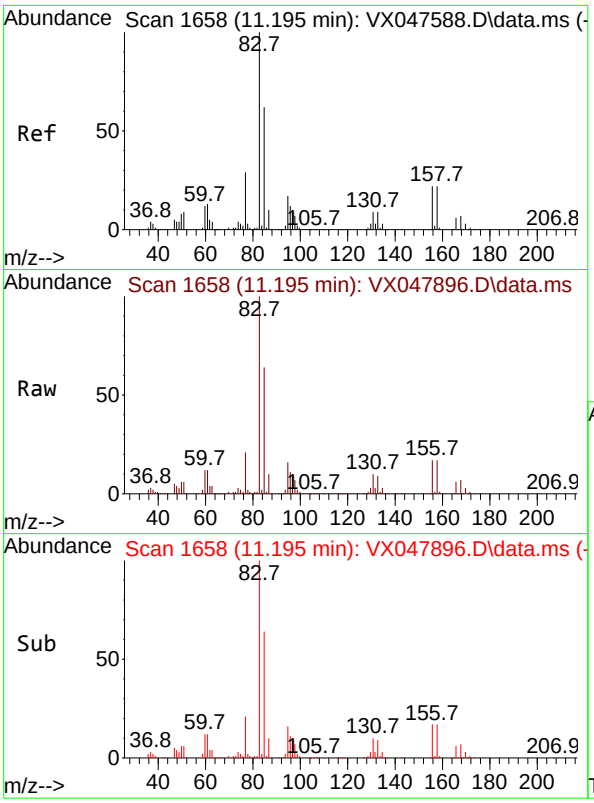


#74
N-amyl acetate
Concen: 49.310 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 207377

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.0	48.0
55	24.1	18.9	28.3
61	23.5	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.301 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

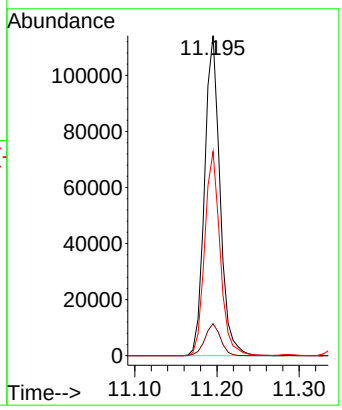
Tgt Ion: 83 Resp: 14872

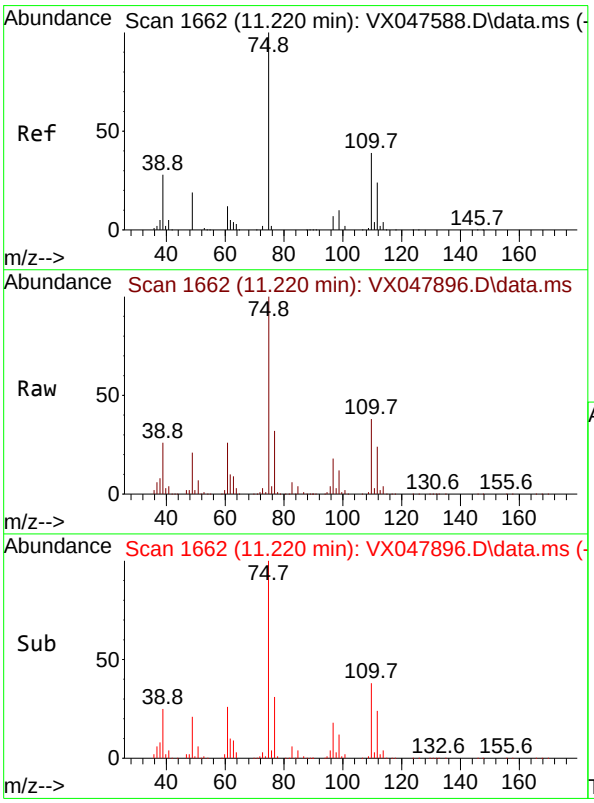
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.8	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

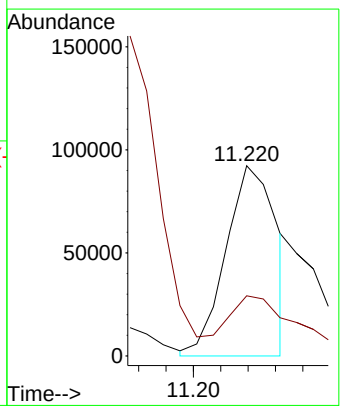


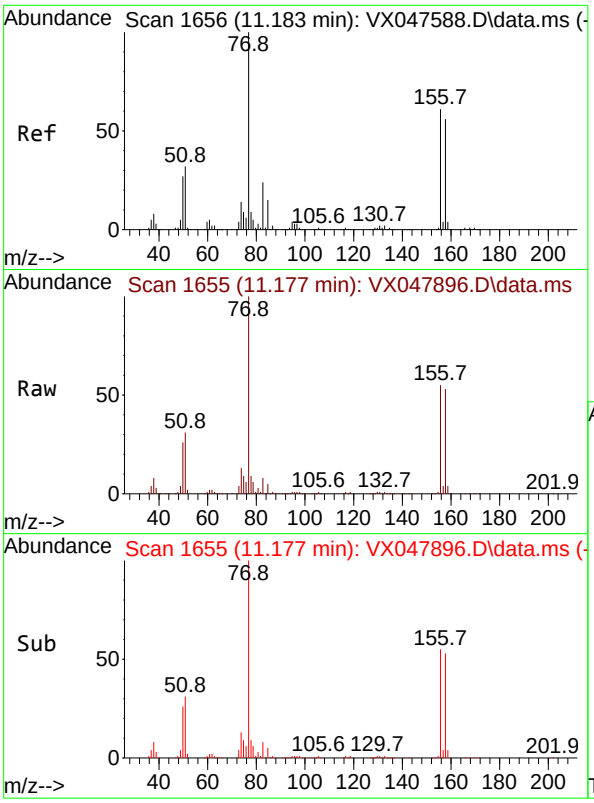


#76
1,2,3-Trichloropropane
Concen: 48.514 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 119154

Ion	Ratio	Lower	Upper
75	100		
77	44.6	18.8	56.4





#77
Bromobenzene
Concen: 50.531 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:156 Resp: 11477

Ion	Ratio	Lower	Upper
156	100		
77	171.9	89.7	269.1
158	96.9	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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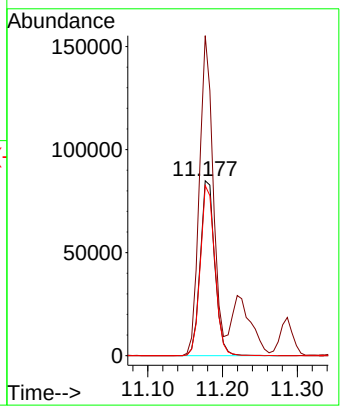
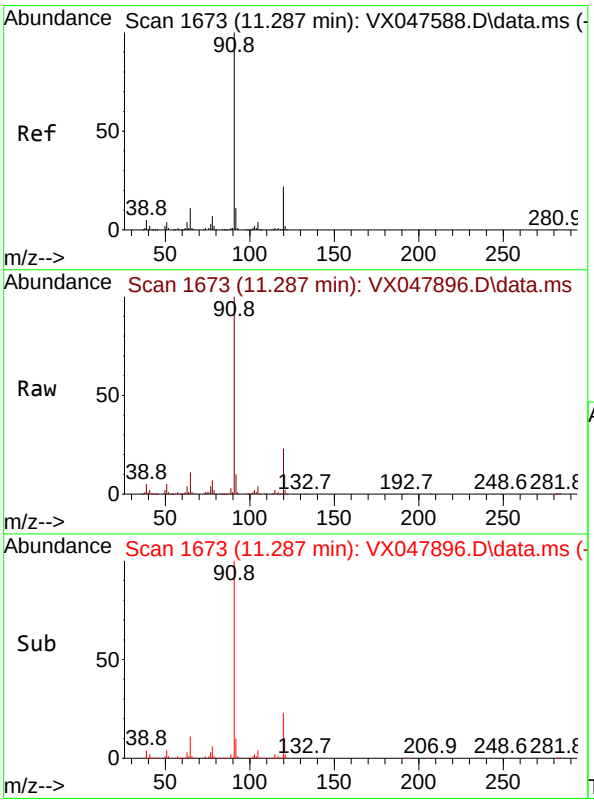
Supervised By :Mahesh Dadoda 10/03/2025

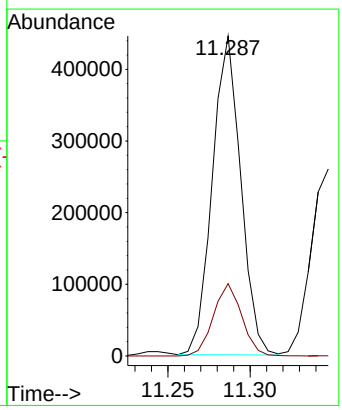


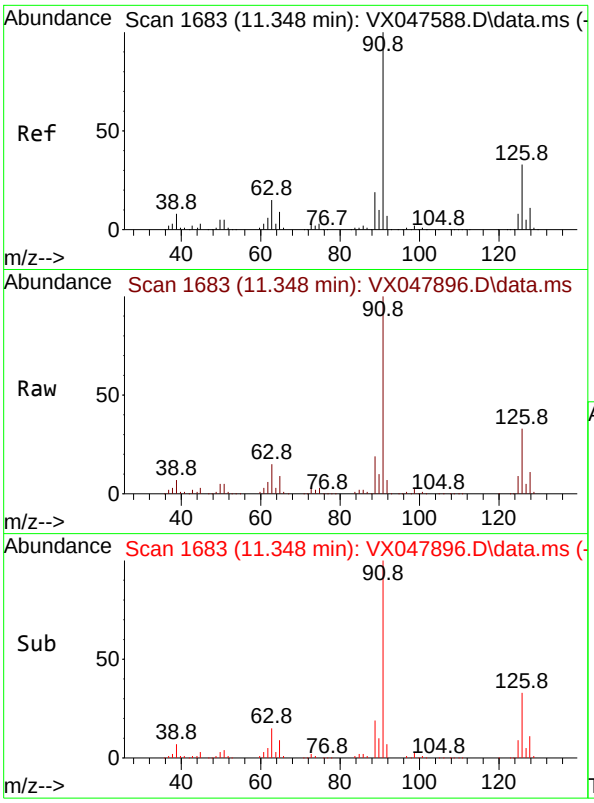


#78
n-propylbenzene
Concen: 49.018 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 534401

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.125 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 32802

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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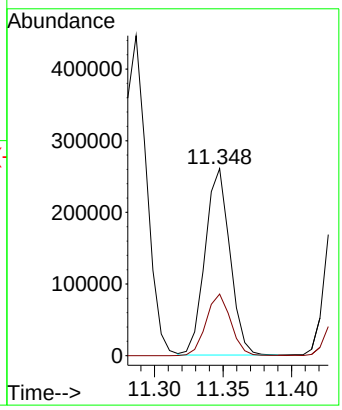
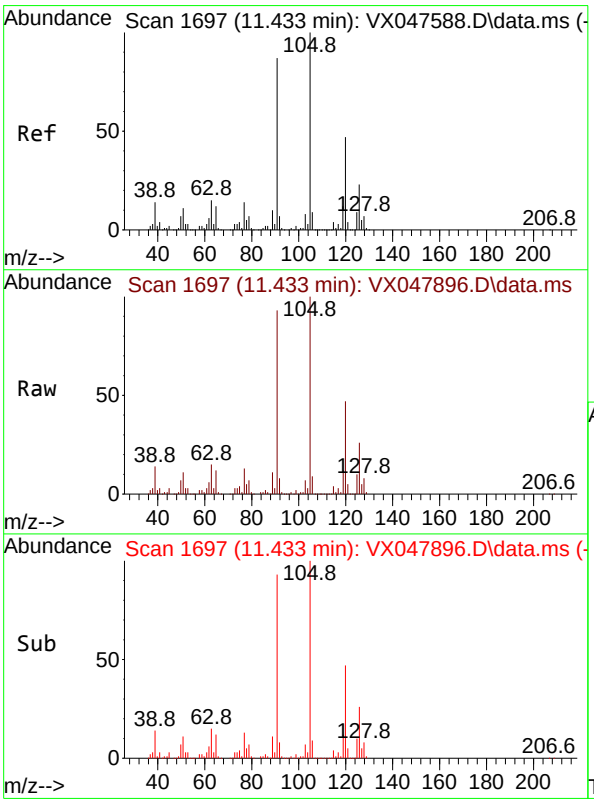
Supervised By :Mahesh Dadoda 10/03/2025

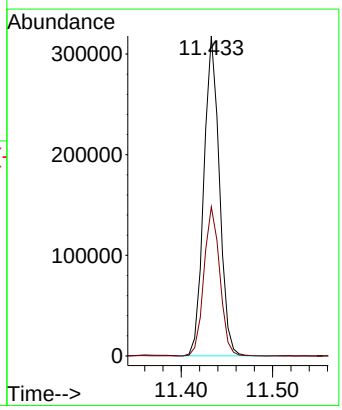


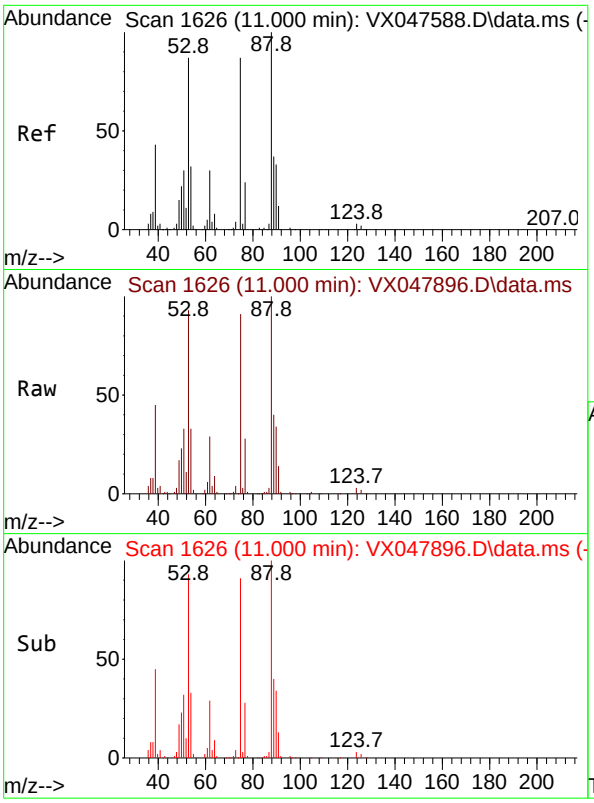


#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 375552

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.183 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 4640

Ion	Ratio	Lower	Upper
75	100		
53	102.9	83.4	125.2
89	46.1	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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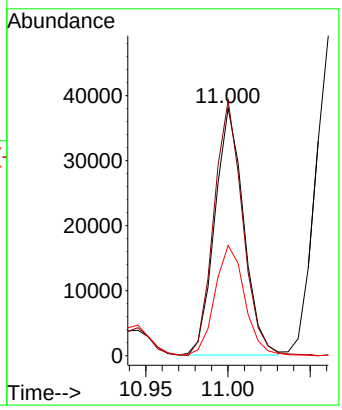
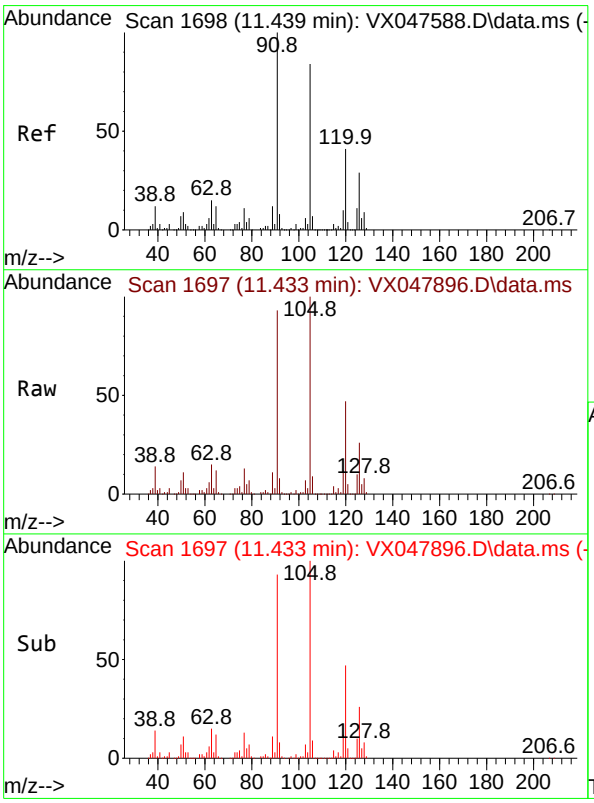
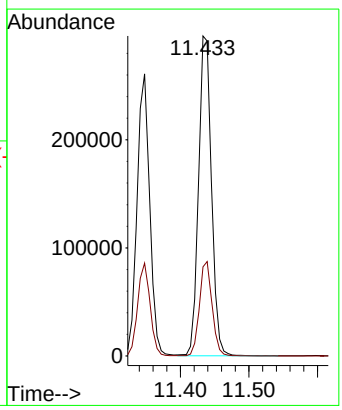


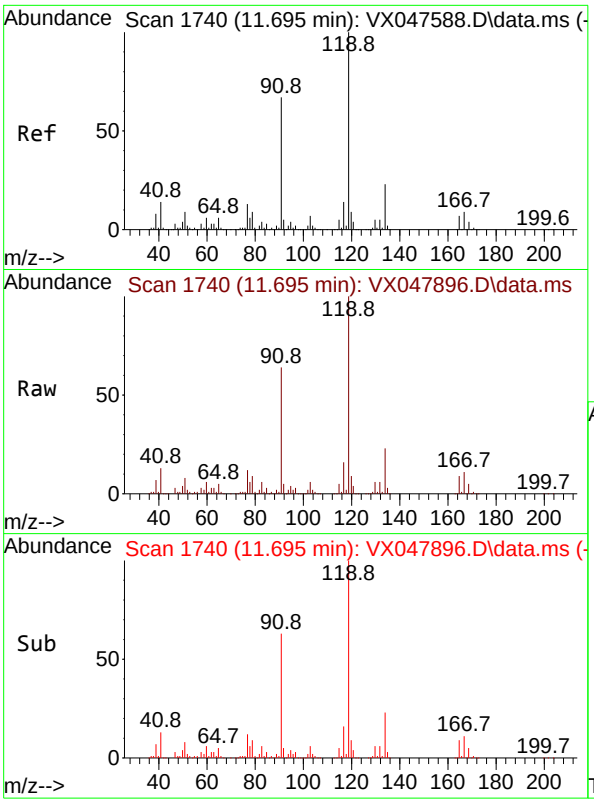


#82
4-Chlorotoluene
Concen: 49.396 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 389550

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6

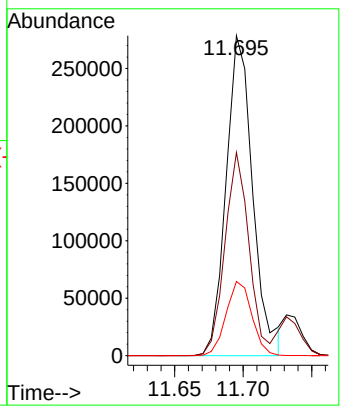




#83
tert-Butylbenzene
Concen: 48.542 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:119 Resp: 37651

Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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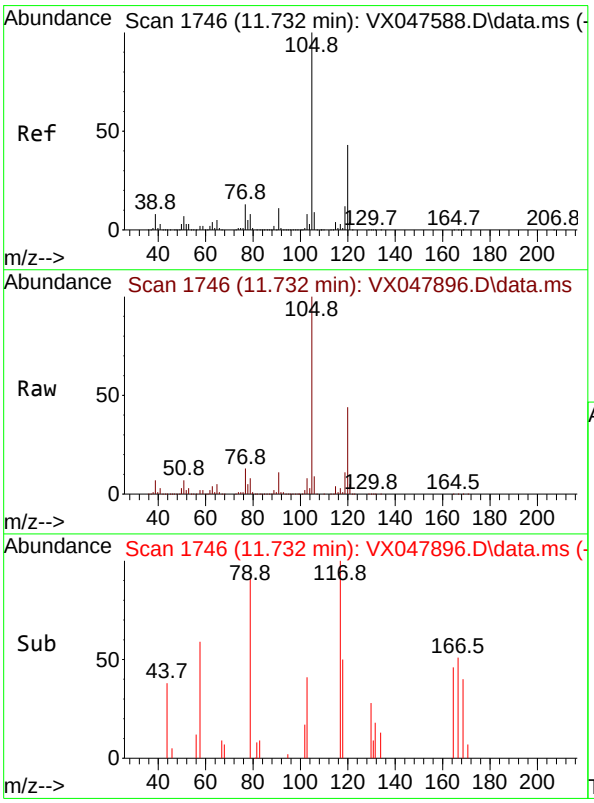
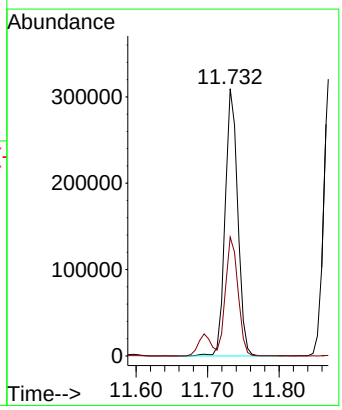
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

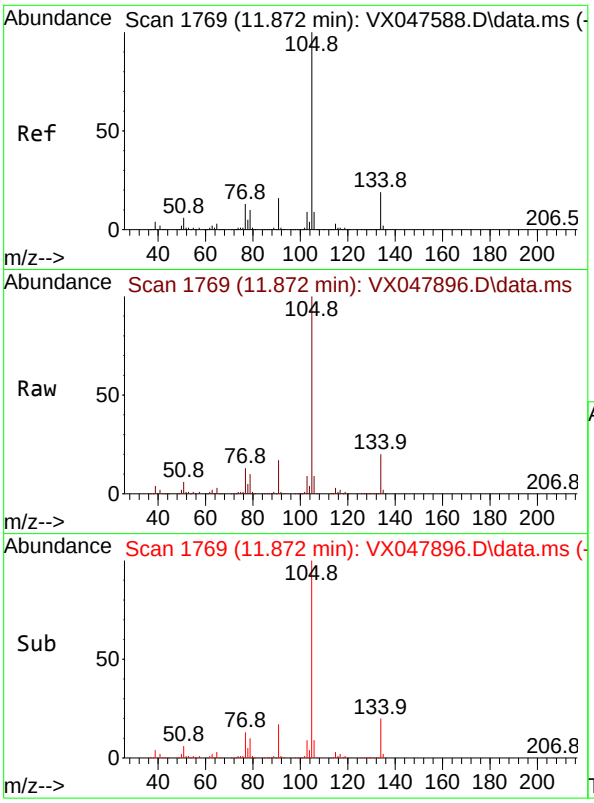


#84
1,2,4-Trimethylbenzene
Concen: 49.378 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 379320

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1

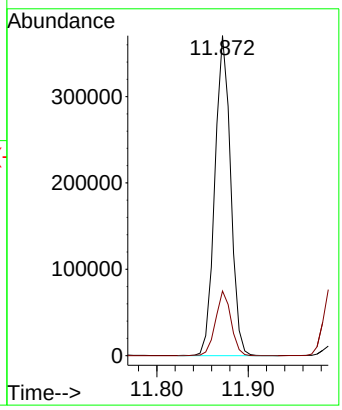




#85
sec-Butylbenzene
Concen: 48.154 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 44365

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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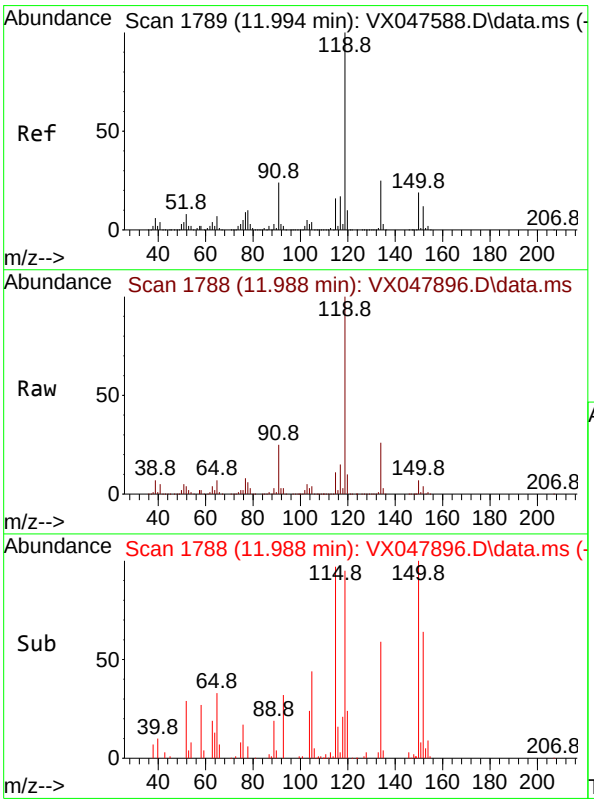
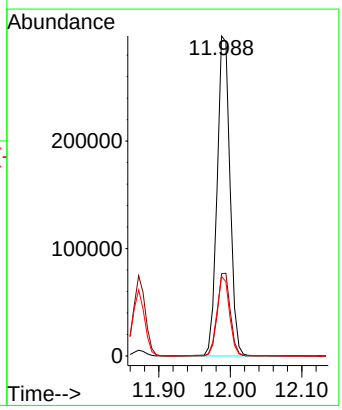
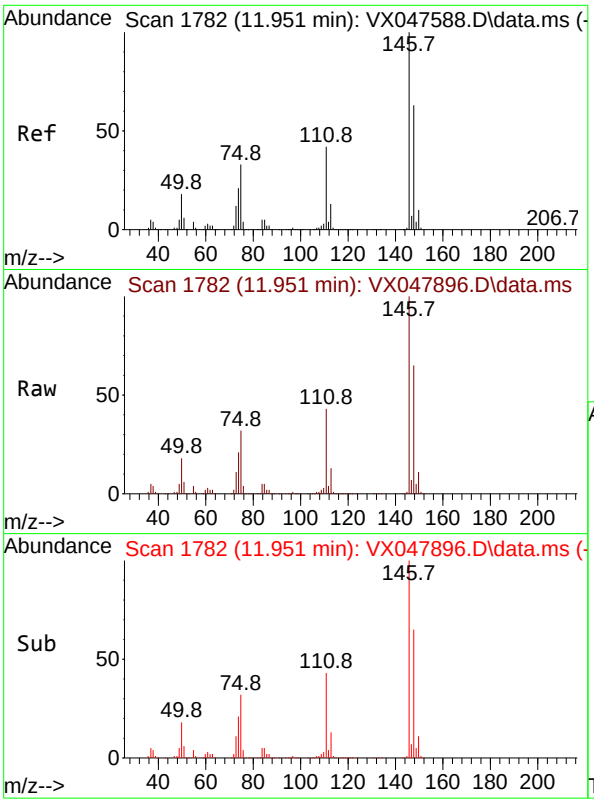


#86
p-Isopropyltoluene
Concen: 47.687 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:119 Resp: 371954

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.3	12.6	37.6

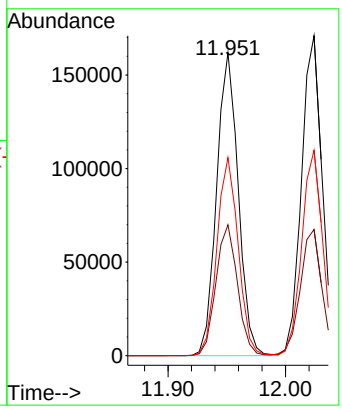




#87
1,3-Dichlorobenzene
Concen: 49.112 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 20720

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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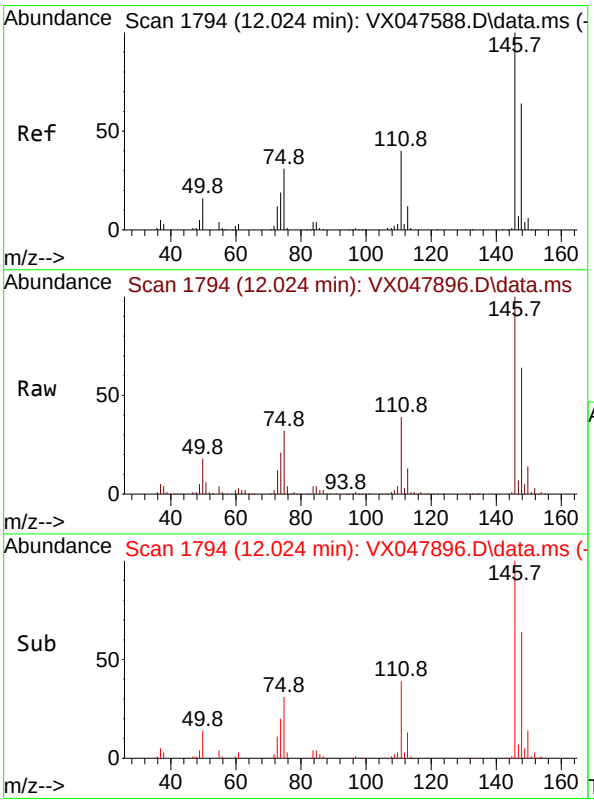
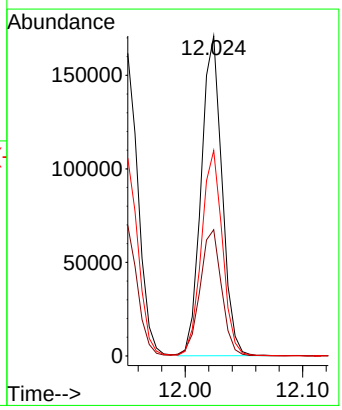
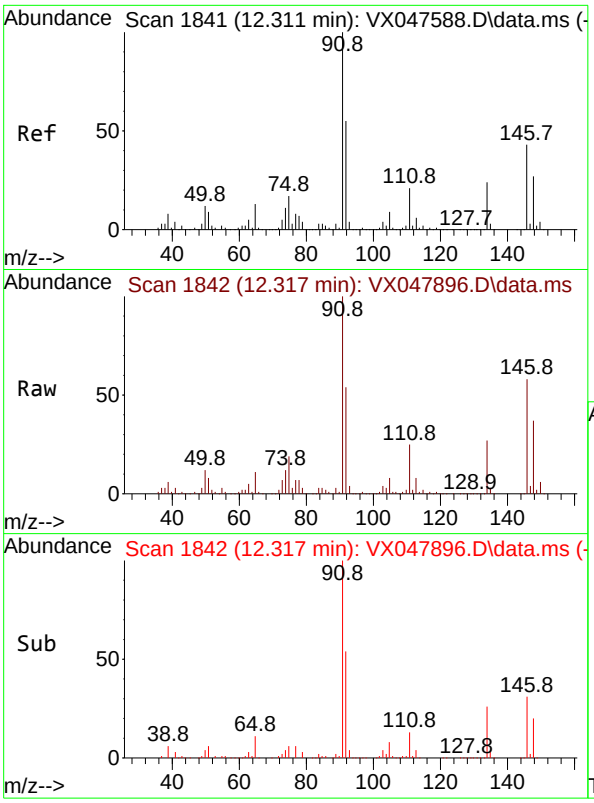


#88
1,4-Dichlorobenzene
Concen: 48.509 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 210050

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	65.1	31.7	95.1





#89
n-Butylbenzene
Concen: 46.701 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 33705

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.3	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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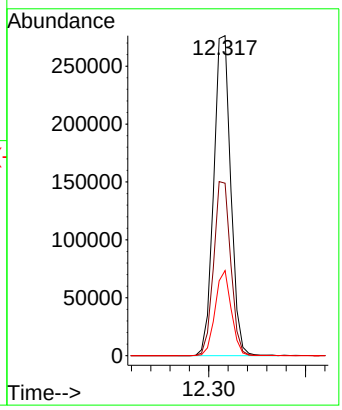
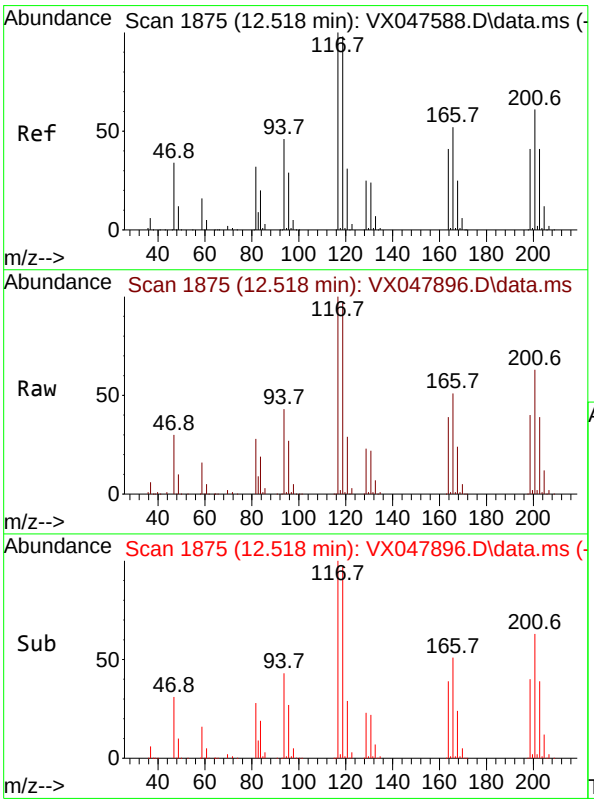
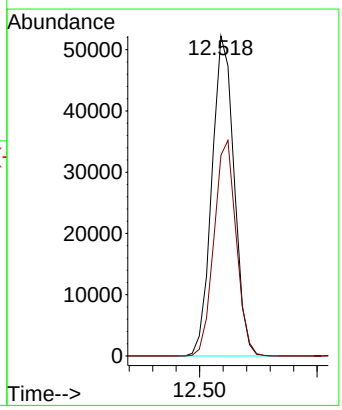


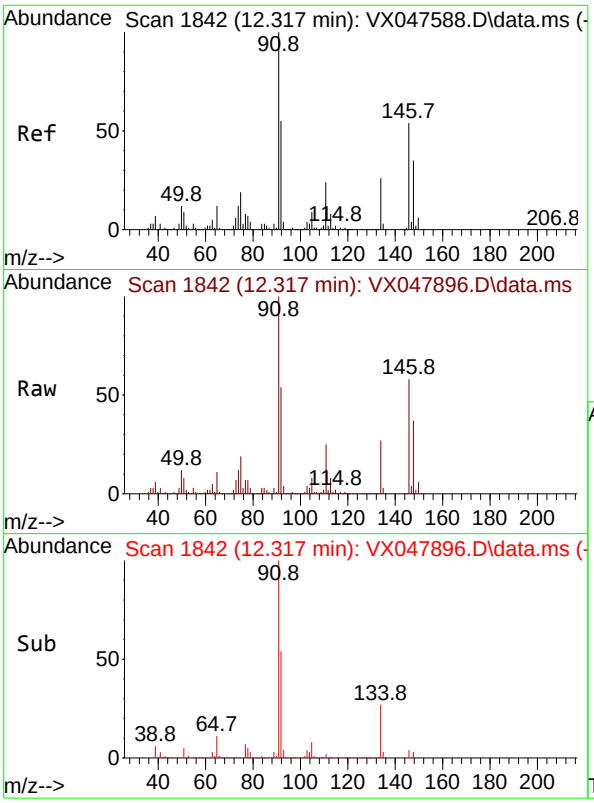


#90
Hexachloroethane
Concen: 50.194 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 68737

Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.2	102.5

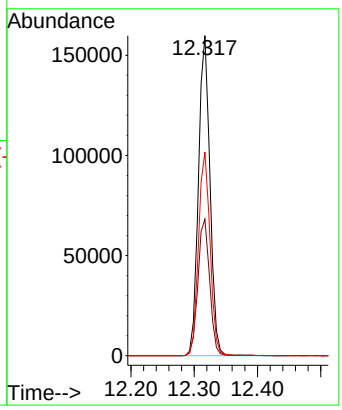




#91
1,2-Dichlorobenzene
Concen: 50.428 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 20269

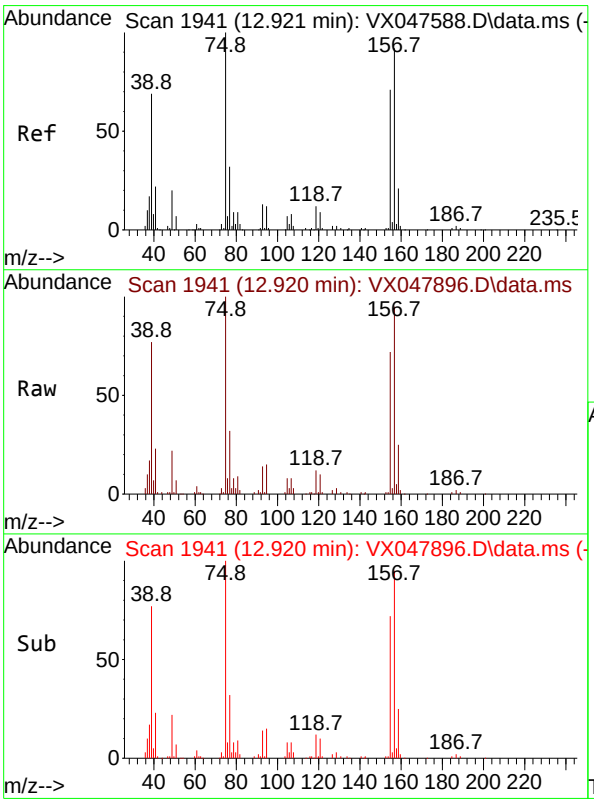
Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.0	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

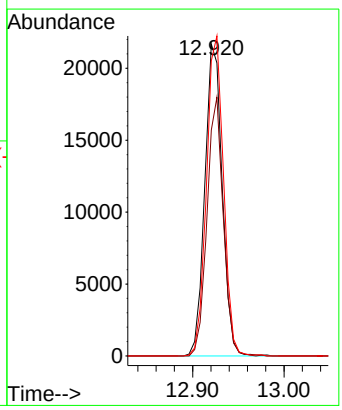
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

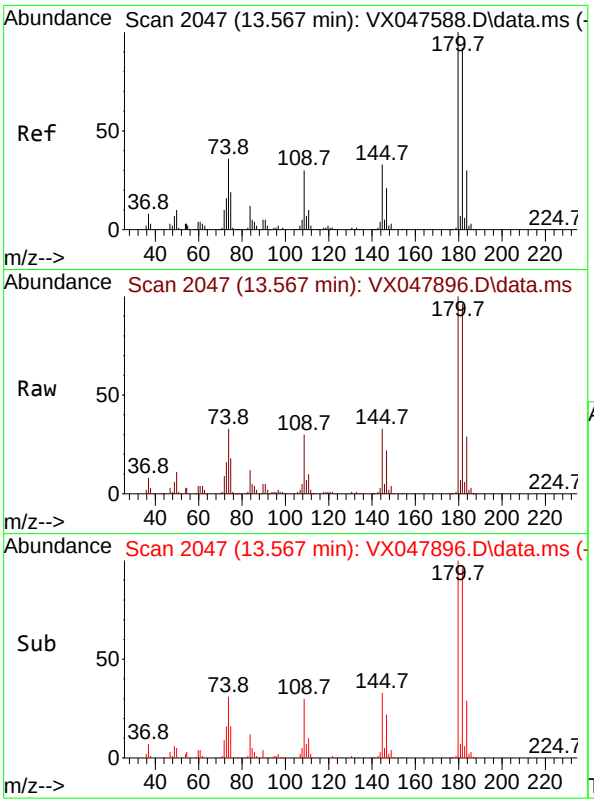


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.667 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 28623

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.2	49.8	149.4

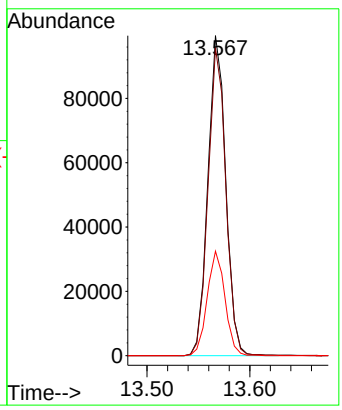




#93
1,2,4-Trichlorobenzene
Concen: 46.109 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:180 Resp: 120450

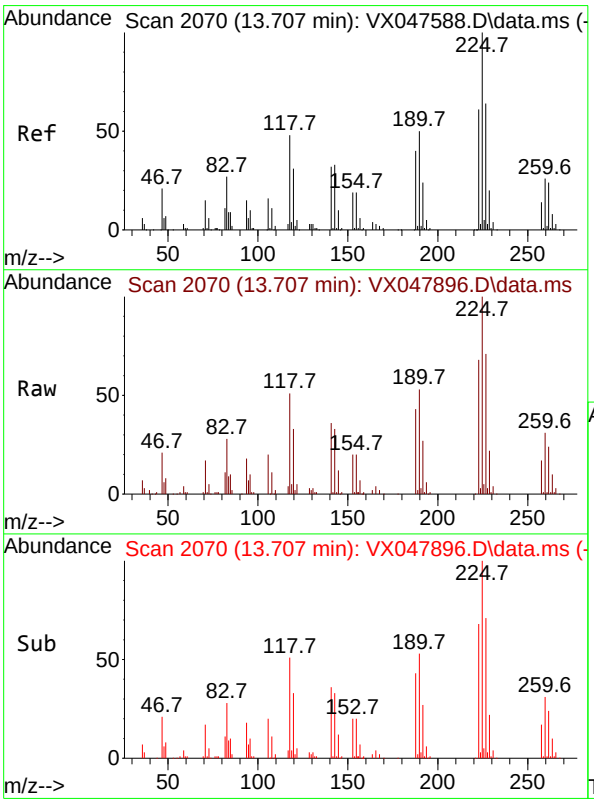
Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.8
145	32.6	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

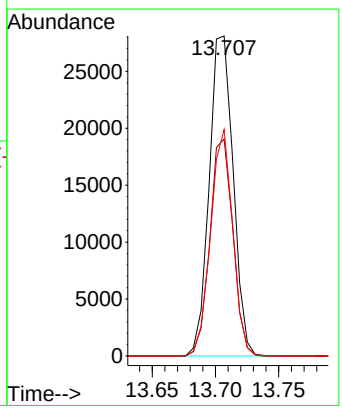
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

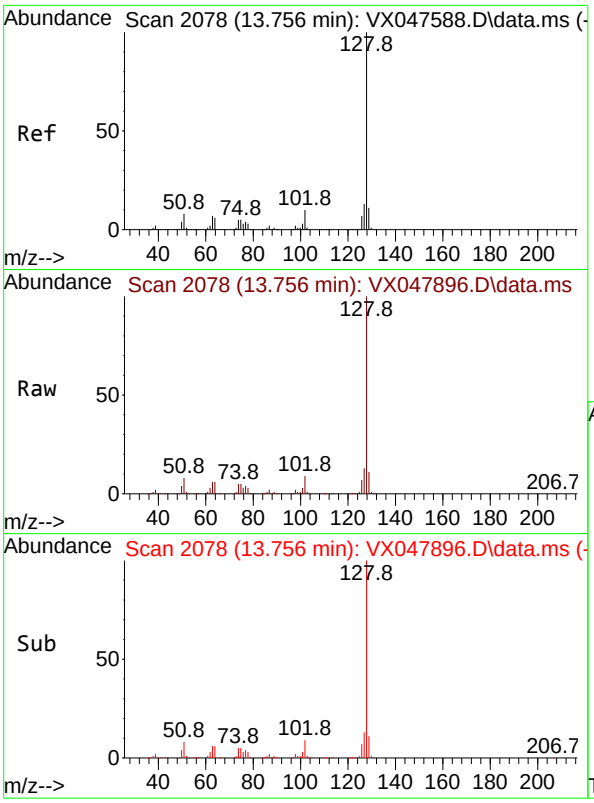


#94
Hexachlorobutadiene
Concen: 41.684 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:225 Resp: 36987

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.7	95.1
227	65.3	32.0	96.0

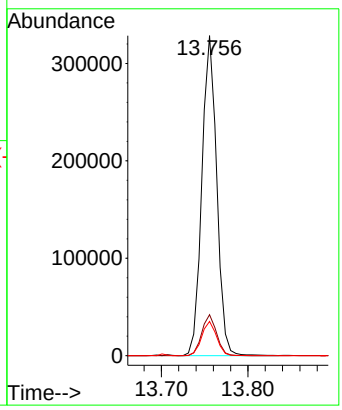




#95
Naphthalene
Concen: 49.163 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:128 Resp: 39107

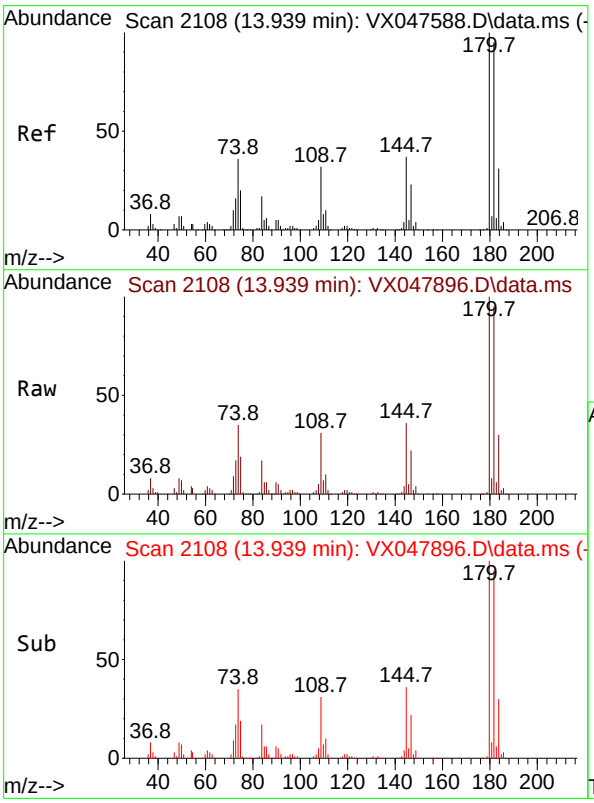
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

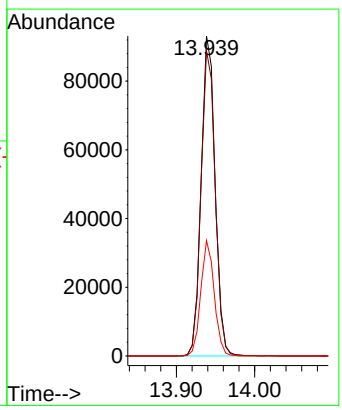
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.426 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:180 Resp: 115245

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	34.8	17.9	53.7



Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	92	-0.01
2	T	Dichlorodifluoromethane	0.518	0.609	-17.6	112	0.00
3	P	Chloromethane	0.680	0.711	-4.6	99	0.00
4	C	Vinyl Chloride	0.666	0.732	-9.9#	102	0.00
5	T	Bromomethane	0.422	0.433	-2.6	94	0.00
6	T	Chloroethane	0.445	0.494	-11.0	103	0.00
7	T	Trichlorofluoromethane	0.989	1.083	-9.5	100	0.00
8	T	Diethyl Ether	0.405	0.436	-7.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.633	-9.5	100	0.00
10	T	Methyl Iodide	0.902	0.818	9.3	82	0.00
11	T	Tert butyl alcohol	0.089	0.086	3.4	88	0.00
12	CM	1,1-Dichloroethene	0.594	0.627	-5.6#	95	0.00
13	T	Acrolein	0.082	0.076	7.3	86	0.00
14	T	Allyl chloride	1.226	1.219	0.6	92	0.00
15	T	Acrylonitrile	0.328	0.372	-13.4	99	0.00
16	T	Acetone	0.346	0.361	-4.3	104	0.00
17	T	Carbon Disulfide	1.626	1.668	-2.6	98	0.00
18	T	Methyl Acetate	0.770	0.908	-17.9	95	0.00
19	T	Methyl tert-butyl Ether	2.169	2.294	-5.8	94	0.00
20	T	Methylene Chloride	0.732	0.791	-8.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.679	-6.1	96	0.00
22	T	Diisopropyl ether	2.376	2.536	-6.7	94	-0.01
23	T	Vinyl Acetate	1.901	2.042	-7.4	94	0.00
24	P	1,1-Dichloroethane	1.263	1.346	-6.6	95	0.00
25	T	2-Butanone	0.432	0.464	-7.4	97	0.00
26	T	2,2-Dichloropropane	1.050	1.053	-0.3	91	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.830	-6.0	94	0.00
28	T	Bromochloromethane	0.551	0.555	-0.7	88	-0.01
29	T	Tetrahydrofuran	0.260	0.276	-6.2	92	0.00
30	C	Chloroform	1.276	1.360	-6.6#	94	0.00
31	T	Cyclohexane	1.052	0.974	7.4	87	0.00
32	T	1,1,1-Trichloroethane	1.082	1.123	-3.8	92	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.783	1.6	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.335	0.359	-7.2	97	0.00
36	T	1,1-Dichloropropene	0.490	0.494	-0.8	91	0.00
37	T	Ethyl Acetate	0.525	0.554	-5.5	93	0.00
38	T	Carbon Tetrachloride	0.532	0.552	-3.8	92	-0.01
39	T	Methylcyclohexane	0.556	0.513	7.7	81	0.00
40	TM	Benzene	1.488	1.565	-5.2	92	0.00
41	T	Methacrylonitrile	0.271	0.300	-10.7	94	0.00
42	TM	1,2-Dichloroethane	0.566	0.594	-4.9	91	0.00
43	T	Isopropyl Acetate	0.860	0.892	-3.7	89	0.00
44	TM	Trichloroethene	0.360	0.371	-3.1	89	0.00
45	C	1,2-Dichloropropane	0.381	0.413	-8.4#	93	0.00
46	T	Dibromomethane	0.277	0.305	-10.1	95	0.00
47	T	Bromodichloromethane	0.572	0.622	-8.7	92	0.00
48	T	Methyl methacrylate	0.429	0.445	-3.7	89	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	102	0.00
50	S	Toluene-d8	1.160	1.184	-2.1	92	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.524	-9.9	92	0.00
52	CM	Toluene	0.917	0.954	-4.0#	91	0.00
53	T	t-1,3-Dichloropropene	0.584	0.609	-4.3	88	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.659	-5.6	90	0.00
55	T	1,1,2-Trichloroethane	0.354	0.384	-8.5	93	0.00
56	T	Ethyl methacrylate	0.555	0.594	-7.0	89	0.00
57	T	1,3-Dichloropropane	0.607	0.665	-9.6	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.310	-36.6#	102	0.00
59	T	2-Hexanone	0.343	0.366	-6.7	91	0.00
60	T	Dibromochloromethane	0.407	0.452	-11.1	93	0.00
61	T	1,2-Dibromoethane	0.360	0.395	-9.7	93	0.00
62	S	4-Bromofluorobenzene	0.440	0.438	0.5	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.326	0.323	0.9	90	0.00
65	PM	Chlorobenzene	1.136	1.183	-4.1	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.421	-7.4	93	0.00
67	C	Ethyl Benzene	1.960	1.981	-1.1#	89	0.00
68	T	m/p-Xylenes	0.729	0.744	-2.1	89	0.00
69	T	o-Xylene	0.706	0.723	-2.4	88	0.00
70	T	Styrene	1.236	1.283	-3.8	90	0.00
71	P	Bromoform	0.293	0.323	-10.2	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.801	3.742	1.6	88	0.00
74	T	N-amyl acetate	1.733	1.710	1.3	87	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.226	-6.6	95	0.00
76	T	1,2,3-Trichloropropane	1.012	0.982	3.0	83	0.00
77	T	Bromobenzene	0.936	0.946	-1.1	91	0.00
78	T	n-propylbenzene	4.494	4.405	2.0	87	0.00
79	T	2-Chlorotoluene	2.752	2.704	1.7	88	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.096	0.9	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.383	3.5	88	0.00
82	T	4-Chlorotoluene	3.251	3.211	1.2	89	0.00
83	T	tert-Butylbenzene	3.197	3.104	2.9	88	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.127	1.2	89	0.00
85	T	sec-Butylbenzene	3.797	3.657	3.7	86	0.00
86	T	p-Isopropyltoluene	3.215	3.066	4.6	85	0.00
87	T	1,3-Dichlorobenzene	1.739	1.708	1.8	89	0.00
88	T	1,4-Dichlorobenzene	1.785	1.732	3.0	90	0.00
89	T	n-Butylbenzene	2.975	2.779	6.6	84	0.00
90	T	Hexachloroethane	0.564	0.567	-0.5	91	0.00
91	T	1,2-Dichlorobenzene	1.657	1.671	-0.8	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.236	-1.3	88	0.00
93	T	1,2,4-Trichlorobenzene	1.077	0.993	7.8	82	0.00
94	T	Hexachlorobutadiene	0.366	0.305	16.7	75	0.00
95	T	Naphthalene	3.279	3.224	1.7	87	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.950	5.2	83	0.00

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

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	92	-0.01
2	T	Dichlorodifluoromethane	50.000	58.829	-17.7	112	0.00
3	P	Chloromethane	50.000	52.232	-4.5	99	0.00
4	C	Vinyl Chloride	50.000	54.972	-9.9#	102	0.00
5	T	Bromomethane	50.000	51.203	-2.4	94	0.00
6	T	Chloroethane	50.000	55.492	-11.0	103	0.00
7	T	Trichlorofluoromethane	50.000	54.763	-9.5	100	0.00
8	T	Diethyl Ether	50.000	53.868	-7.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.762	-9.5	100	0.00
10	T	Methyl Iodide	50.000	45.357	9.3	82	0.00
11	T	Tert butyl alcohol	250.000	241.951	3.2	88	0.00
12	CM	1,1-Dichloroethene	50.000	52.767	-5.5#	95	0.00
13	T	Acrolein	250.000	233.739	6.5	86	0.00
14	T	Allyl chloride	50.000	49.724	0.6	92	0.00
15	T	Acrylonitrile	250.000	283.530	-13.4	99	0.00
16	T	Acetone	250.000	260.508	-4.2	104	0.00
17	T	Carbon Disulfide	50.000	51.287	-2.6	98	0.00
18	T	Methyl Acetate	50.000	58.977	-18.0	95	0.00
19	T	Methyl tert-butyl Ether	50.000	52.887	-5.8	94	0.00
20	T	Methylene Chloride	50.000	53.997	-8.0	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.079	-6.2	96	0.00
22	T	Diisopropyl ether	50.000	53.376	-6.8	94	-0.01
23	T	Vinyl Acetate	250.000	268.522	-7.4	94	0.00
24	P	1,1-Dichloroethane	50.000	53.317	-6.6	95	0.00
25	T	2-Butanone	250.000	268.637	-7.5	97	0.00
26	T	2,2-Dichloropropane	50.000	50.180	-0.4	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.997	-6.0	94	0.00
28	T	Bromochloromethane	50.000	50.341	-0.7	88	-0.01
29	T	Tetrahydrofuran	250.000	266.130	-6.5	92	0.00
30	C	Chloroform	50.000	53.292	-6.6#	94	0.00
31	T	Cyclohexane	50.000	46.300	7.4	87	0.00
32	T	1,1,1-Trichloroethane	50.000	51.873	-3.7	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.199	1.6	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	53.545	-7.1	97	0.00
36	T	1,1-Dichloropropene	50.000	50.427	-0.9	91	0.00
37	T	Ethyl Acetate	50.000	52.801	-5.6	93	0.00
38	T	Carbon Tetrachloride	50.000	51.882	-3.8	92	-0.01
39	T	Methylcyclohexane	50.000	46.130	7.7	81	0.00
40	TM	Benzene	50.000	52.564	-5.1	92	0.00
41	T	Methacrylonitrile	50.000	55.402	-10.8	94	0.00
42	TM	1,2-Dichloroethane	50.000	52.407	-4.8	91	0.00
43	T	Isopropyl Acetate	50.000	51.856	-3.7	89	0.00
44	TM	Trichloroethene	50.000	51.493	-3.0	89	0.00
45	C	1,2-Dichloropropane	50.000	54.152	-8.3#	93	0.00
46	T	Dibromomethane	50.000	55.050	-10.1	95	0.00
47	T	Bromodichloromethane	50.000	54.329	-8.7	92	0.00
48	T	Methyl methacrylate	50.000	51.936	-3.9	89	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1262.927	-26.3#	102	0.00
50	S	Toluene-d8	50.000	51.009	-2.0	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.485	-9.8	92	0.00
52	CM	Toluene	50.000	52.039	-4.1#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	52.199	-4.4	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.821	-5.6	90	0.00
55	T	1,1,2-Trichloroethane	50.000	54.267	-8.5	93	0.00
56	T	Ethyl methacrylate	50.000	53.463	-6.9	89	0.00
57	T	1,3-Dichloropropane	50.000	54.741	-9.5	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	288.987	-15.6	102	0.00
59	T	2-Hexanone	250.000	267.273	-6.9	91	0.00
60	T	Dibromochloromethane	50.000	55.448	-10.9	93	0.00
61	T	1,2-Dibromoethane	50.000	54.903	-9.8	93	0.00
62	S	4-Bromofluorobenzene	50.000	49.687	0.6	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	49.476	1.0	90	0.00
65	PM	Chlorobenzene	50.000	52.058	-4.1	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.724	-7.4	93	0.00
67	C	Ethyl Benzene	50.000	50.546	-1.1#	89	0.00
68	T	m/p-Xylenes	100.000	102.001	-2.0	89	0.00
69	T	o-Xylene	50.000	51.259	-2.5	88	0.00
70	T	Styrene	50.000	51.876	-3.8	90	0.00
71	P	Bromoform	50.000	55.113	-10.2	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	49.226	1.5	88	0.00
74	T	N-amyl acetate	50.000	49.310	1.4	87	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.301	-6.6	95	0.00
76	T	1,2,3-Trichloropropane	50.000	48.514	3.0	83	0.00
77	T	Bromobenzene	50.000	50.531	-1.1	91	0.00
78	T	n-propylbenzene	50.000	49.018	2.0	87	0.00
79	T	2-Chlorotoluene	50.000	49.125	1.8	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.564	0.9	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.183	3.6	88	0.00
82	T	4-Chlorotoluene	50.000	49.396	1.2	89	0.00
83	T	tert-Butylbenzene	50.000	48.542	2.9	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.378	1.2	89	0.00
85	T	sec-Butylbenzene	50.000	48.154	3.7	86	0.00
86	T	p-Isopropyltoluene	50.000	47.687	4.6	85	0.00
87	T	1,3-Dichlorobenzene	50.000	49.112	1.8	89	0.00
88	T	1,4-Dichlorobenzene	50.000	48.509	3.0	90	0.00
89	T	n-Butylbenzene	50.000	46.701	6.6	84	0.00
90	T	Hexachloroethane	50.000	50.194	-0.4	91	0.00
91	T	1,2-Dichlorobenzene	50.000	50.428	-0.9	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.667	-1.3	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.109	7.8	82	0.00
94	T	Hexachlorobutadiene	50.000	41.684	16.6	75	0.00
95	T	Naphthalene	50.000	49.163	1.7	87	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	47.426	5.1	83	0.00

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

Raw Data: **VX047923.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3193
Instrument ID: MSVOA_X
Calibration Date/Time: 09/30/2025 19:30
Lab File ID: VX047923.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.582		12.35	50
Chloromethane	0.680	0.702	0.1	3.23	50
Vinyl Chloride	0.666	0.724		8.71	50
Bromomethane	0.422	0.460		9.01	50
Chloroethane	0.445	0.493		10.79	50
Trichlorofluoromethane	0.989	1.079		9.1	50
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	50
1,1-Dichloroethene	0.594	0.646		8.75	50
Acetone	0.346	0.315		-8.96	50
Carbon Disulfide	1.626	1.655		1.78	50
Methyl tert-butyl Ether	2.169	2.399		10.6	50
Methyl Acetate	0.770	1.002		30.13	50
Methylene Chloride	0.732	0.814		11.2	50
trans-1,2-Dichloroethene	0.640	0.698		9.06	50
1,1-Dichloroethane	1.263	1.405	0.1	11.24	50
Cyclohexane	1.052	1.031		-2	50
2-Butanone	0.432	0.482		11.57	50
Carbon Tetrachloride	0.532	0.541		1.69	50
cis-1,2-Dichloroethene	0.783	0.858		9.58	50
Bromochloromethane	0.551	0.591		7.26	50
Chloroform	1.276	1.447		13.4	50
1,1,1-Trichloroethane	1.082	1.173		8.41	50
Methylcyclohexane	0.556	0.532		-4.32	50
Benzene	1.488	1.614		8.47	50
1,2-Dichloroethane	0.566	0.612		8.13	50
Trichloroethene	0.360	0.387		7.5	50
1,2-Dichloropropane	0.381	0.430		12.86	50
Bromodichloromethane	0.572	0.640		11.89	50
4-Methyl-2-Pentanone	0.477	0.570		19.5	50
Toluene	0.917	0.985		7.41	50
t-1,3-Dichloropropene	0.584	0.607		3.94	50
cis-1,3-Dichloropropene	0.624	0.661		5.93	50
1,1,2-Trichloroethane	0.354	0.403		13.84	50
2-Hexanone	0.343	0.395		15.16	50
Dibromochloromethane	0.407	0.472		15.97	50
1,2-Dibromoethane	0.360	0.422		17.22	50
Tetrachloroethene	0.326	0.331		1.53	50
Chlorobenzene	1.136	1.178	0.3	3.7	50

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

Raw Data: **VX047923.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date/Time: 09/30/2025 19:30

Lab File ID: VX047923.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.014		2.76	50
m/p-Xylenes	0.729	0.760		4.25	50
o-Xylene	0.706	0.734		3.97	50
Styrene	1.236	1.311		6.07	50
Bromoform	0.293	0.335	0.1	14.33	50
Isopropylbenzene	3.801	3.761		-1.05	50
1,1,2,2-Tetrachloroethane	1.150	1.256	0.3	9.22	50
1,3-Dichlorobenzene	1.739	1.732		-0.4	50
1,4-Dichlorobenzene	1.785	1.749		-2.02	50
1,2-Dichlorobenzene	1.657	1.688		1.87	50
1,2-Dibromo-3-Chloropropane	0.233	0.244		4.72	50
1,2,4-Trichlorobenzene	1.077	1.022		-5.11	50
1,2,3-Trichlorobenzene	1.002	0.979		-2.3	50
1,2-Dichloroethane-d4	0.796	0.844		6.03	50
Dibromofluoromethane	0.335	0.363		8.36	50
Toluene-d8	1.160	1.231		6.12	50
4-Bromofluorobenzene	0.440	0.471		7.05	50

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

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	132534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	238365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111905	53.045	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.100%			
35) Dibromofluoromethane	5.373	113	86570	54.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	8.634	98	293390	53.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.080%			
62) 4-Bromofluorobenzene	11.061	95	112253	53.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	77088	56.170	ug/l	98
3) Chloromethane	1.300	50	92995	51.557	ug/l	98
4) Vinyl Chloride	1.380	62	95992	54.366	ug/l	97
5) Bromomethane	1.611	94	60978	54.463	ug/l	99
6) Chloroethane	1.691	64	65276	55.314	ug/l	97
7) Trichlorofluoromethane	1.892	101	143051	54.566	ug/l	97
8) Diethyl Ether	2.136	74	59427	55.414	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	83865	54.709	ug/l	98
10) Methyl Iodide	2.459	142	104700	43.794	ug/l	100
11) Tert butyl alcohol	2.946	59	60760	258.604	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85570	54.342	ug/l	98
13) Acrolein	2.239	56	57256	264.445	ug/l	99
14) Allyl chloride	2.666	41	162904	50.135	ug/l	98
15) Acrylonitrile	3.056	53	268563	308.592	ug/l	99
16) Acetone	2.373	43	208981	227.831	ug/l	100
17) Carbon Disulfide	2.514	76	219361	50.887	ug/l	98
18) Methyl Acetate	2.703	43	132826	65.067	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	317909	55.306	ug/l	99
20) Methylene Chloride	2.788	84	107848	55.546	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	92481	54.552	ug/l	97
22) Diisopropyl ether	3.751	45	352433	55.966	ug/l #	85
23) Vinyl Acetate	3.715	43	1411660	280.091	ug/l	99
24) 1,1-Dichloroethane	3.605	63	186212	55.634	ug/l	99
25) 2-Butanone	4.544	43	319392	279.147	ug/l	98
26) 2,2-Dichloropropane	4.471	77	117774	42.330	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	113694	54.761	ug/l	96
28) Bromochloromethane	4.885	49	78327	53.604	ug/l	100
29) Tetrahydrofuran	4.995	42	202985	294.905	ug/l	100
30) Chloroform	5.086	83	191739	56.689	ug/l	98
31) Cyclohexane	5.464	56	136628	49.011	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	155464	54.189	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115949	49.637	ug/l	97
37) Ethyl Acetate	4.696	43	136927	54.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	128895	50.785	ug/l	99
39) Methylcyclohexane	7.366	83	126763	47.806	ug/l	99
40) Benzene	6.025	78	384636	54.213	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	73700	57.078	ug/l		99
42) 1,2-Dichloroethane	6.074	62	145986	54.079	ug/l		100
43) Isopropyl Acetate	6.324	43	224413	54.708	ug/l		98
44) Trichloroethene	7.110	130	92363	53.847	ug/l		96
45) 1,2-Dichloropropane	7.415	63	102592	56.471	ug/l		99
46) Dibromomethane	7.568	93	72842	55.099	ug/l		96
47) Bromodichloromethane	7.805	83	152453	55.883	ug/l		97
48) Methyl methacrylate	7.677	41	113343	55.472	ug/l		97
49) 1,4-Dioxane	7.647	88	26956	1305.423	ug/l		97
51) 4-Methyl-2-Pentanone	8.561	43	679876	298.935	ug/l		100
52) Toluene	8.702	92	234858	53.729	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	144726	52.010	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	157465	52.943	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	95983	56.947	ug/l		98
56) Ethyl methacrylate	9.104	69	149817	56.599	ug/l		97
57) 1,3-Dichloropropane	9.293	76	164563	56.837	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	384496	300.103	ug/l		99
59) 2-Hexanone	9.415	43	470259	287.896	ug/l		99
60) Dibromochloromethane	9.506	129	112557	57.958	ug/l		99
61) 1,2-Dibromoethane	9.592	107	100581	58.588	ug/l		100
64) Tetrachloroethene	9.256	164	73046	50.812	ug/l		97
65) Chlorobenzene	10.061	112	259779	51.854	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	92447	53.476	ug/l		99
67) Ethyl Benzene	10.177	91	444221	51.390	ug/l		99
68) m/p-Xylenes	10.287	106	334993	104.119	ug/l		99
69) o-Xylene	10.628	106	161921	52.032	ug/l		99
70) Styrene	10.640	104	289190	53.035	ug/l		98
71) Bromoform	10.780	173	73852	57.212	ug/l	#	97
73) Isopropylbenzene	10.945	105	414872	49.469	ug/l		99
74) N-amyl acetate	10.829	43	194530	50.866	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	138566	54.611	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	105320m	47.156	ug/l		
77) Bromobenzene	11.183	156	103795	50.251	ug/l		98
78) n-propylbenzene	11.286	91	485929	49.015	ug/l		99
79) 2-Chlorotoluene	11.347	91	298892	49.224	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	339378	49.255	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	40353	46.075	ug/l		99
82) 4-Chlorotoluene	11.439	91	355988	49.640	ug/l		100
83) tert-Butylbenzene	11.695	119	345986	49.053	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	346035	49.536	ug/l		100
85) sec-Butylbenzene	11.872	105	409794	48.913	ug/l		100
86) p-Isopropyltoluene	11.994	119	342231	48.250	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	191106	49.812	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	192965	49.006	ug/l		99
89) n-Butylbenzene	12.317	91	312733	47.651	ug/l		98
90) Hexachloroethane	12.518	117	62984	50.578	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	186186	50.939	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26953	52.467	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	112758	47.467	ug/l		98
94) Hexachlorobutadiene	13.707	225	36753	45.550	ug/l		98
95) Naphthalene	13.756	128	370067	51.160	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	107969	48.861	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

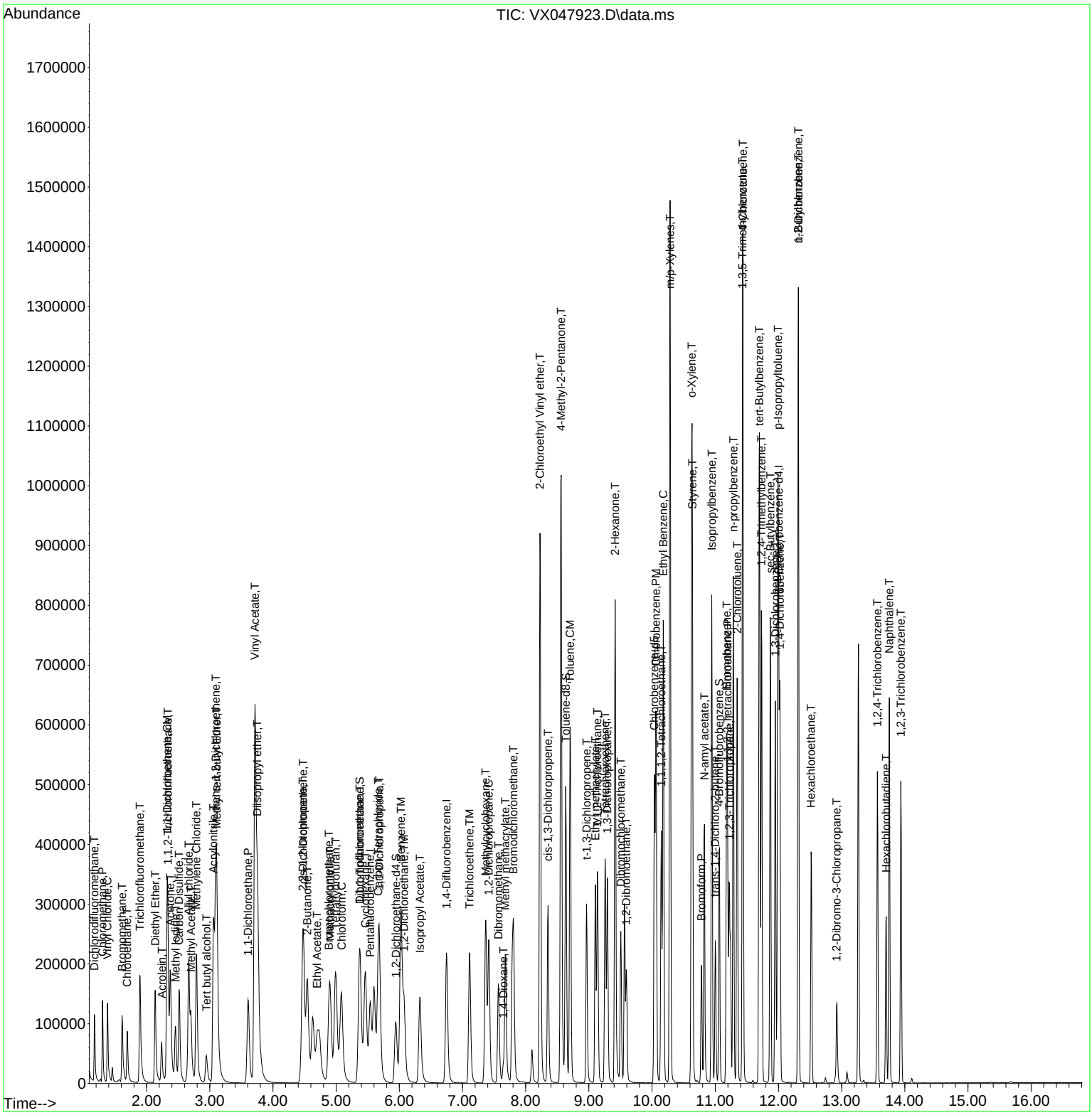
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

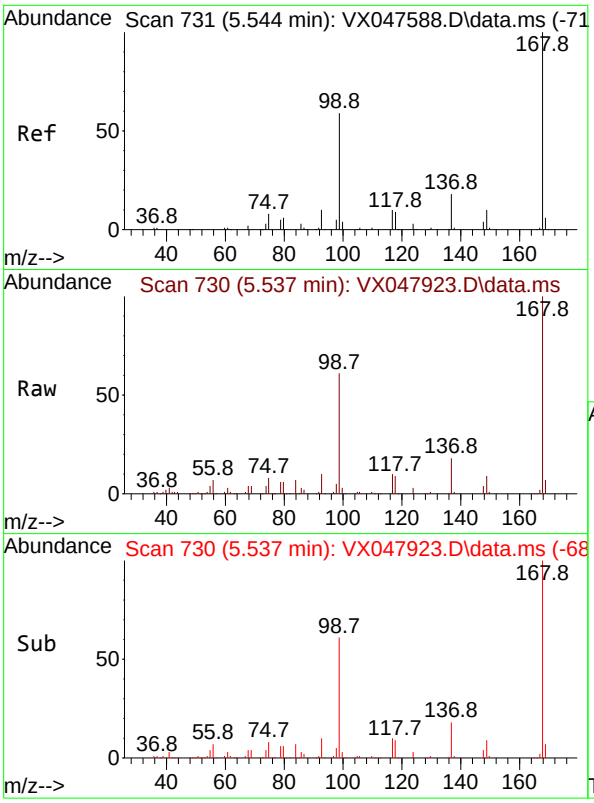
Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

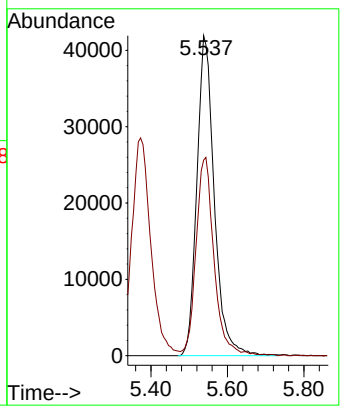




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:168 Resp: 13253

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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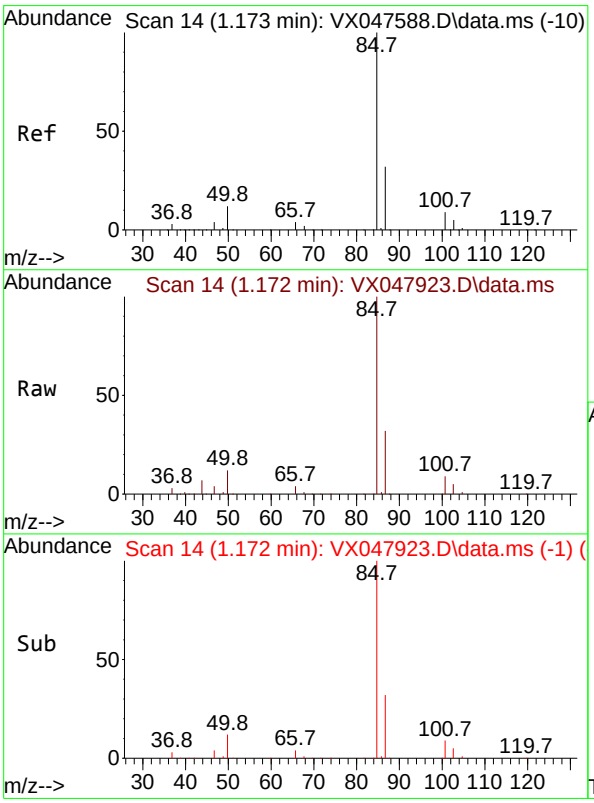
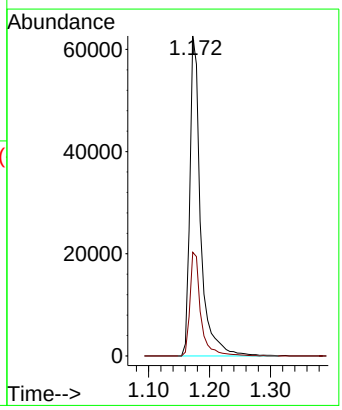
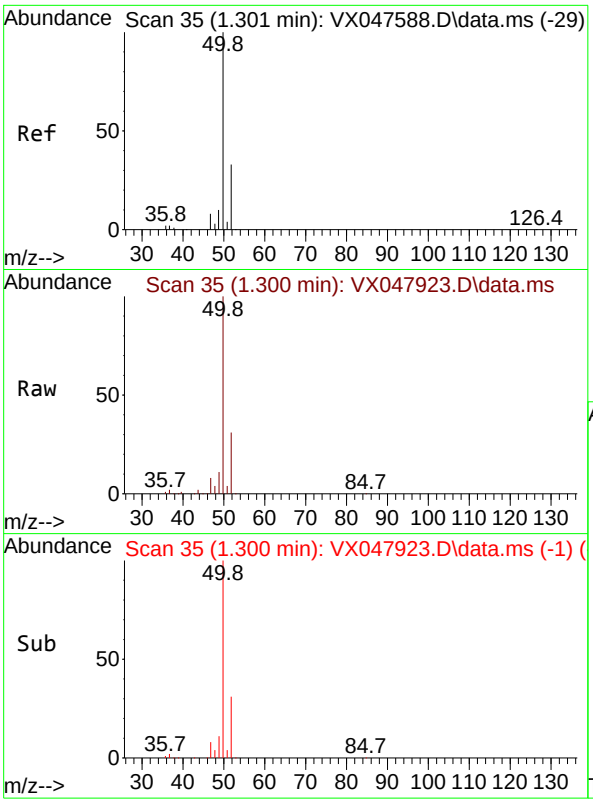


#2
Dichlorodifluoromethane
Concen: 56.170 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 85 Resp: 77088

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3

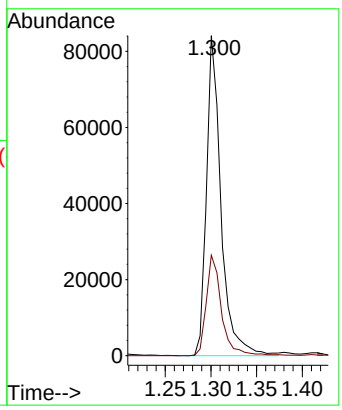




#3
Chloromethane
Concen: 51.557 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 50 Resp: 9299

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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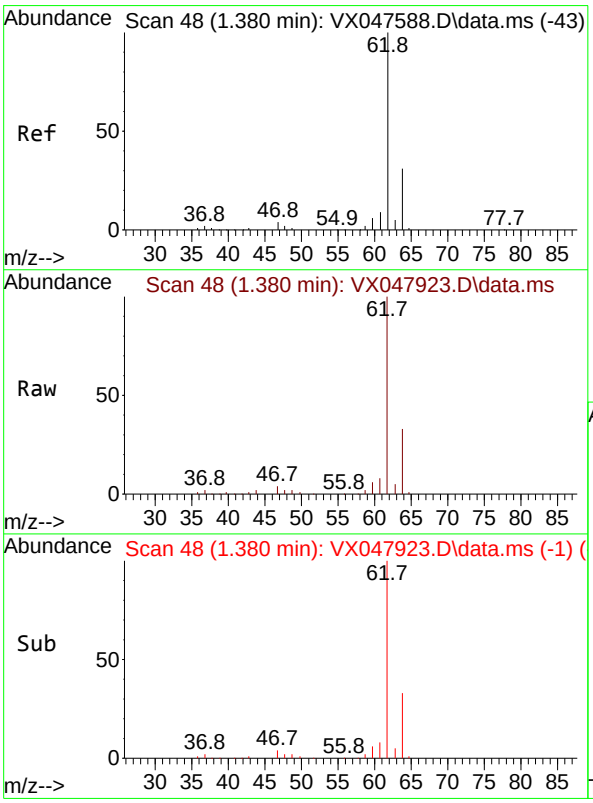
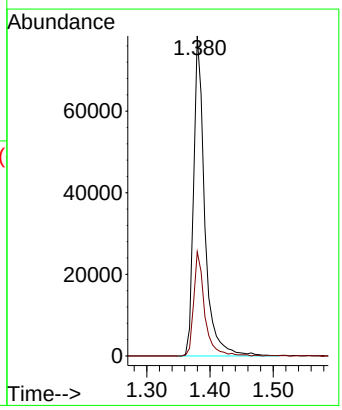
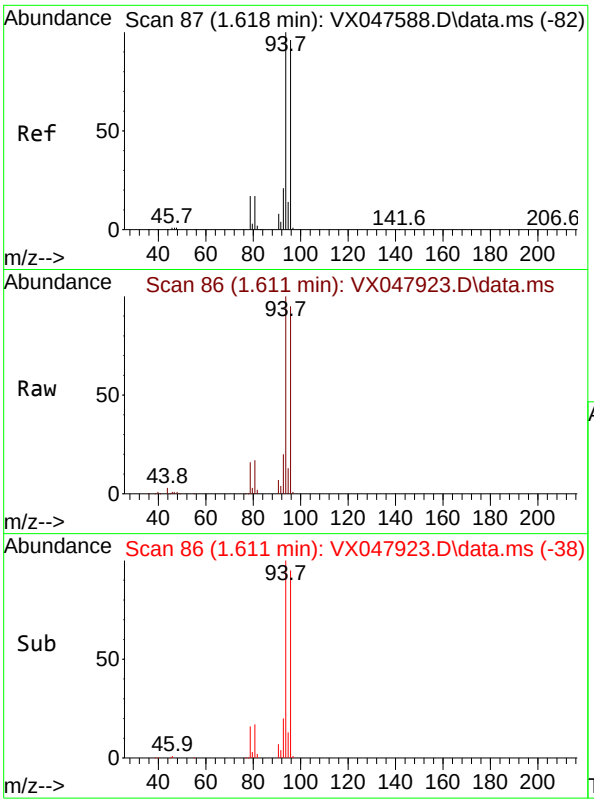


#4
Vinyl Chloride
Concen: 54.366 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 95992

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.9	37.3





#5
Bromomethane
Concen: 54.463 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 94 Resp: 6097

Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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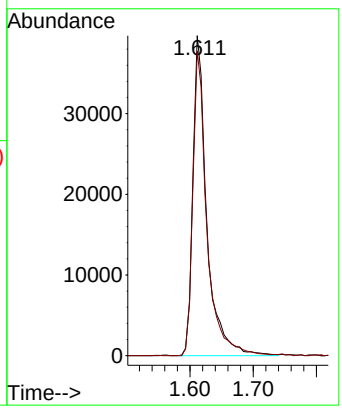
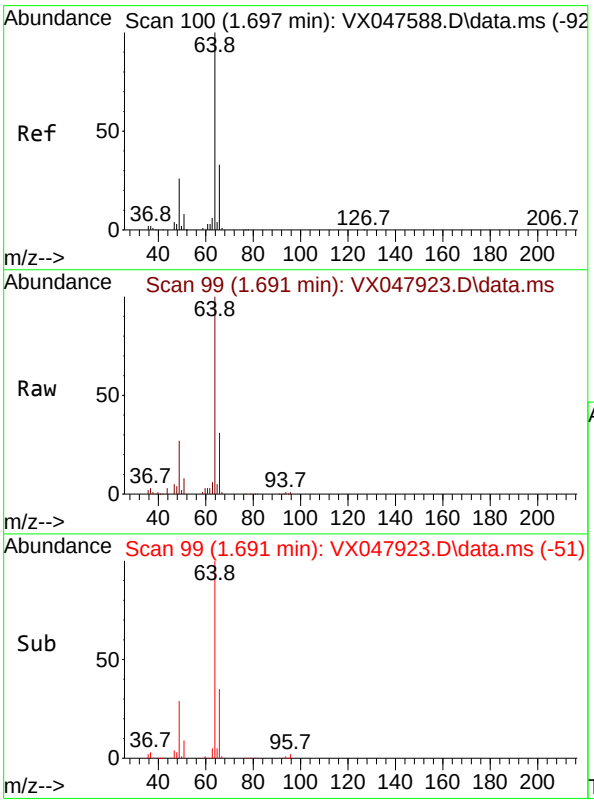
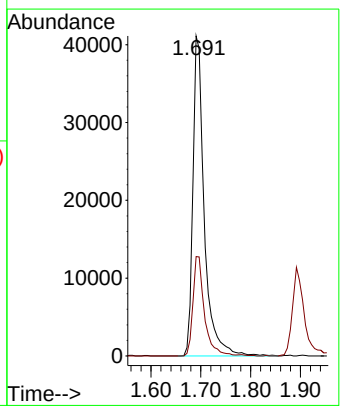


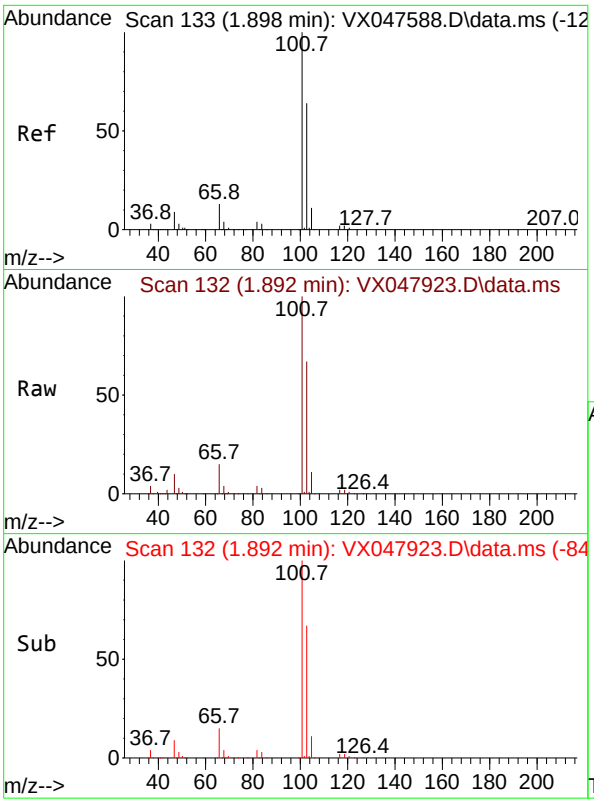


#6
Chloroethane
Concen: 55.314 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 64 Resp: 65276

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 54.566 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:101 Resp: 14305

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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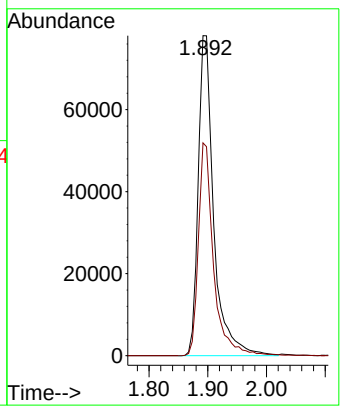
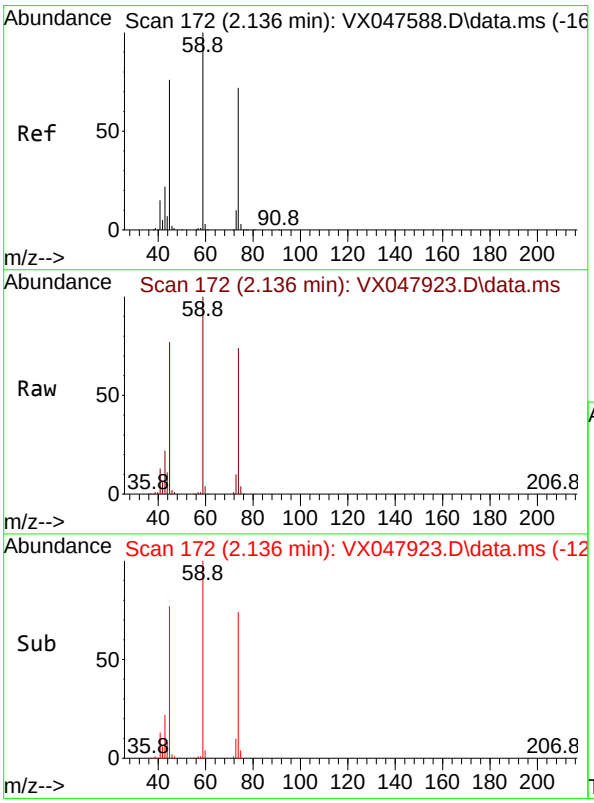
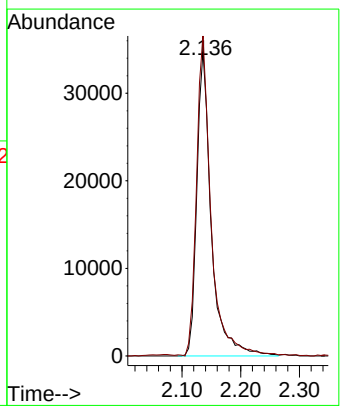


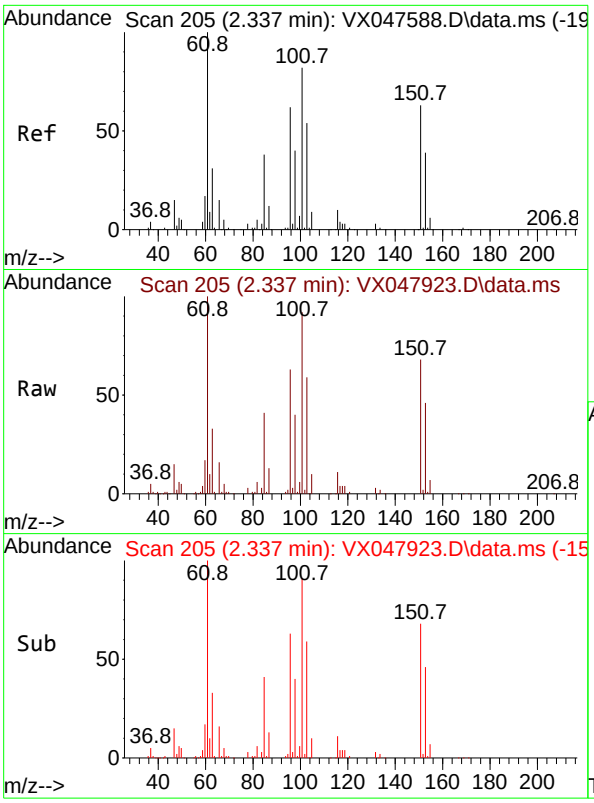


#8
Diethyl Ether
Concen: 55.414 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 74 Resp: 59427

Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:101 Resp: 8386

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	72.7	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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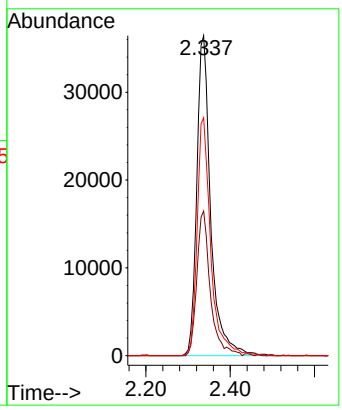
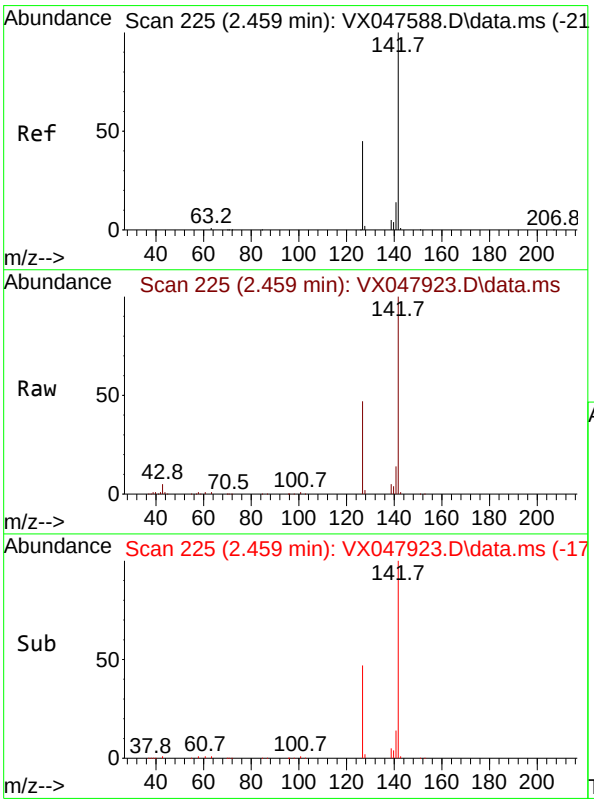
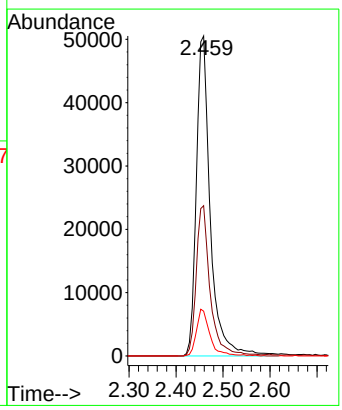


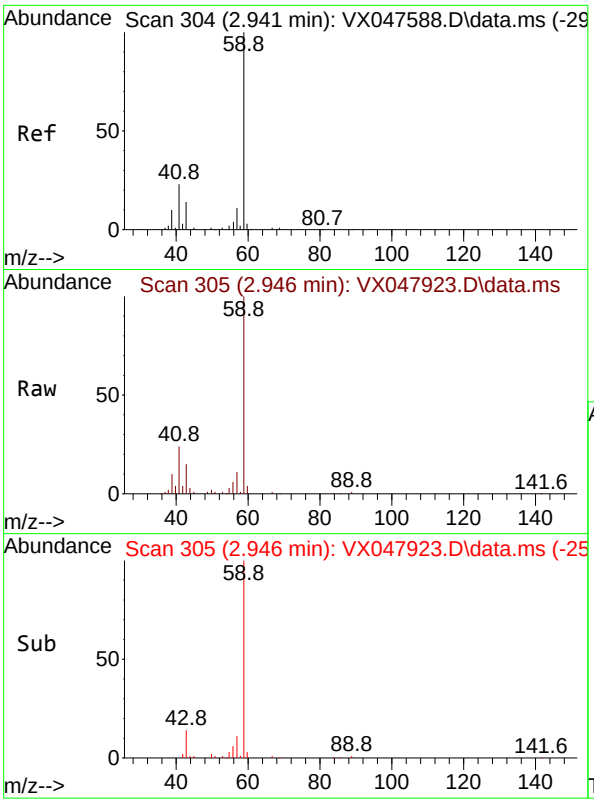


#10
Methyl Iodide
Concen: 43.794 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:142 Resp: 104700

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.2	11.4	17.0





#11
Tert butyl alcohol
Concen: 258.604 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 59 Resp: 6076

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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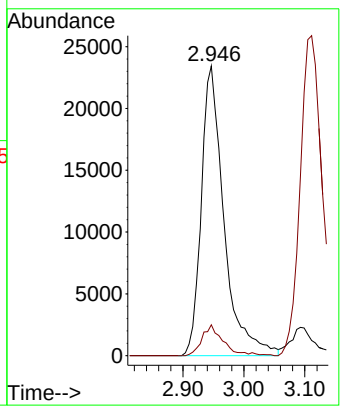
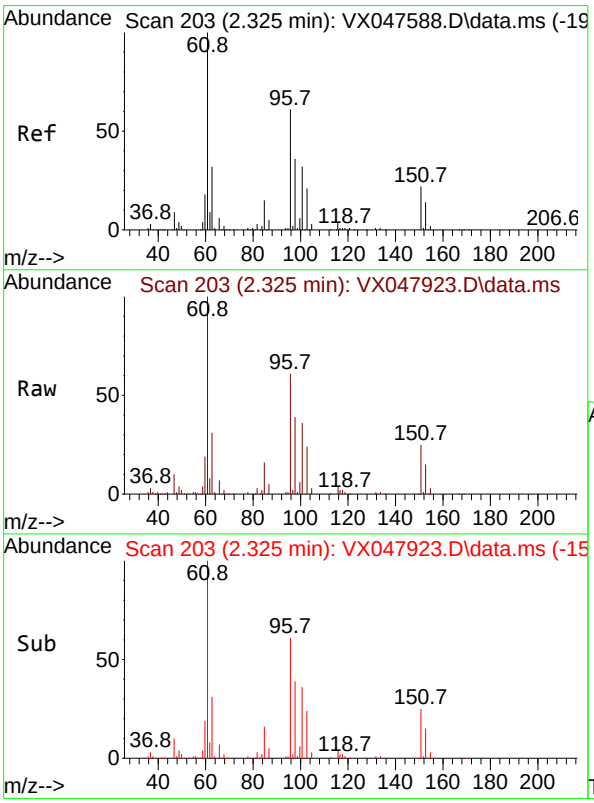
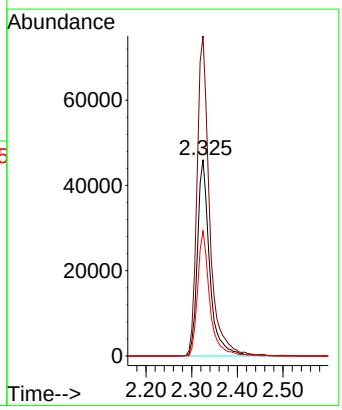


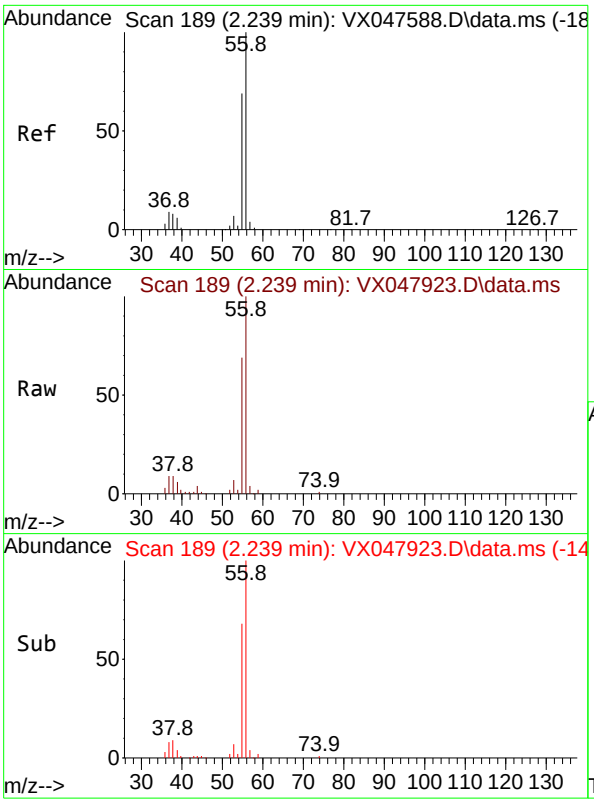


#12
1,1-Dichloroethene
Concen: 54.342 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 85570

Ion	Ratio	Lower	Upper
96	100		
61	163.1	131.0	196.6
98	63.6	47.7	71.5

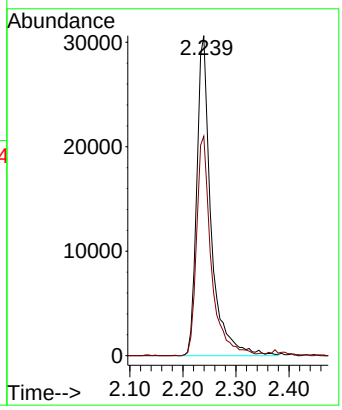




#13
Acrolein
Concen: 264.445 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 56 Resp: 5725

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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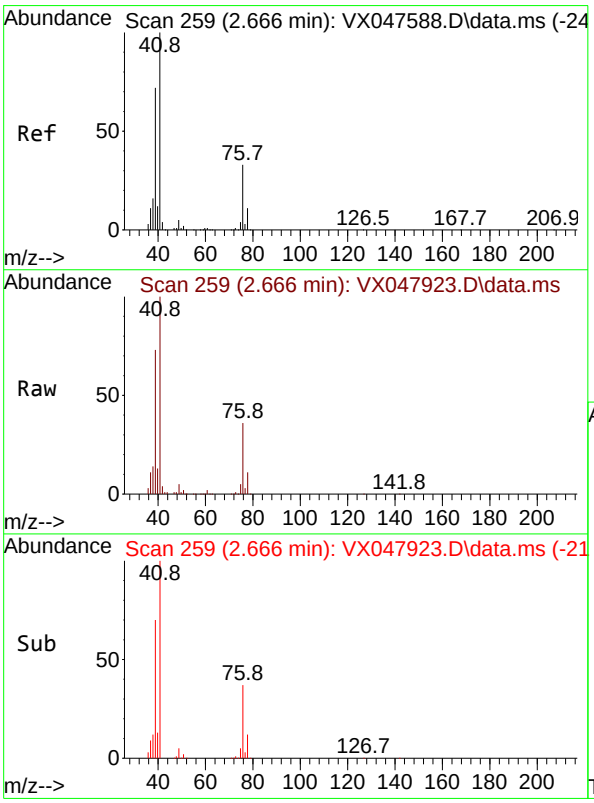
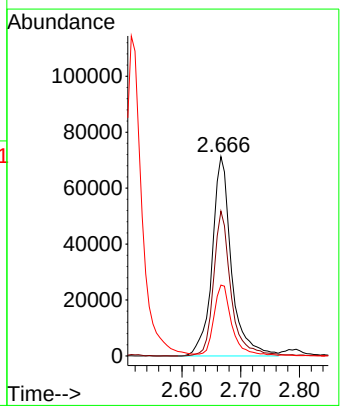
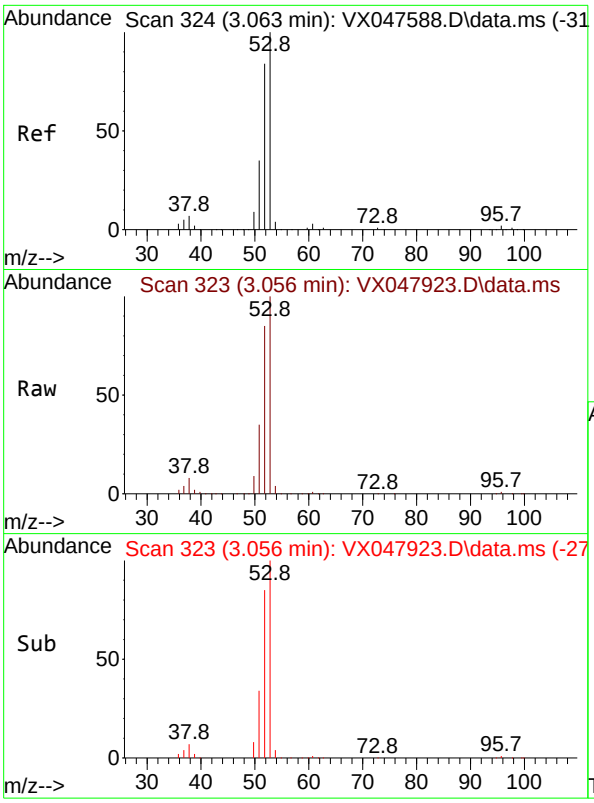


#14
Allyl chloride
Concen: 50.135 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 162904

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	32.5	25.7	38.5

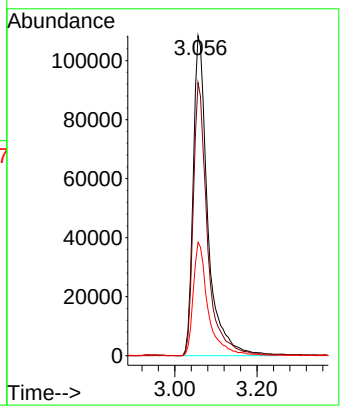




#15
Acrylonitrile
Concen: 308.592 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 53 Resp: 26856

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.3	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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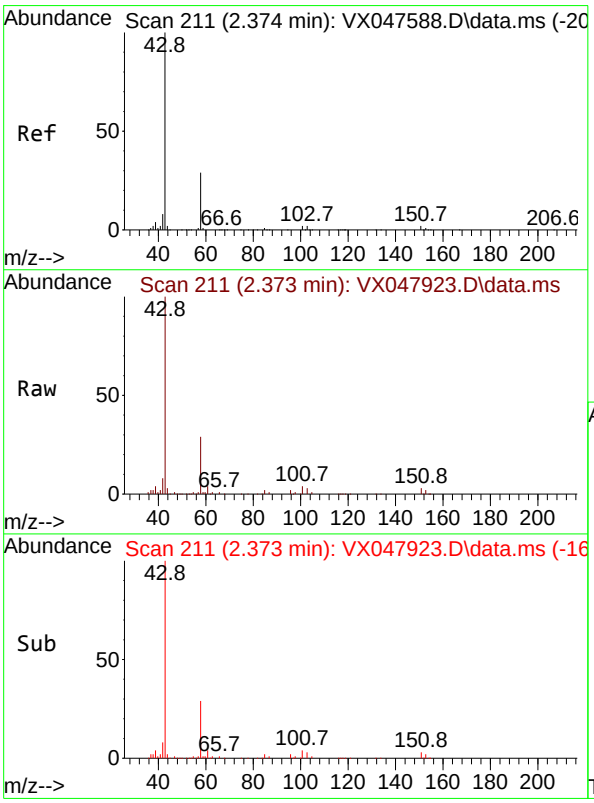
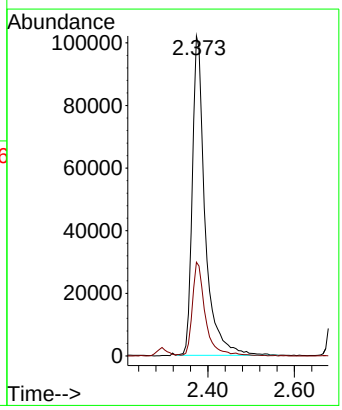
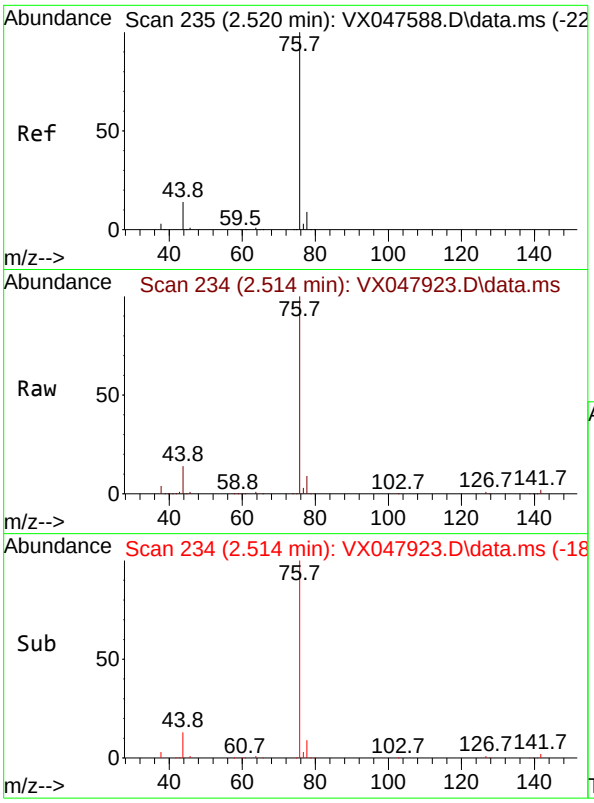


#16
Acetone
Concen: 227.831 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 208981

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0





#17
Carbon Disulfide
Concen: 50.887 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 76 Resp: 21936

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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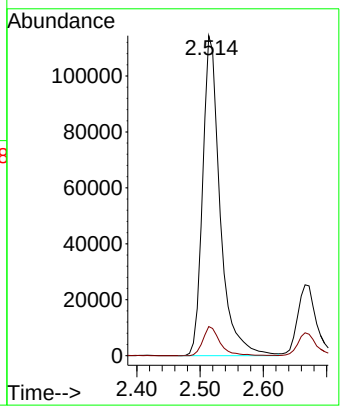
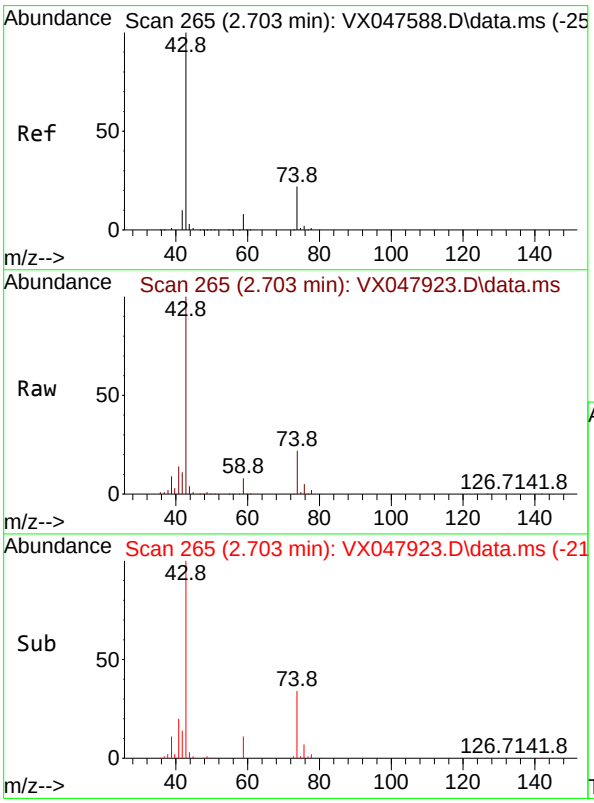
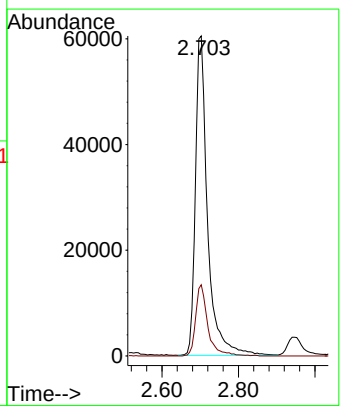


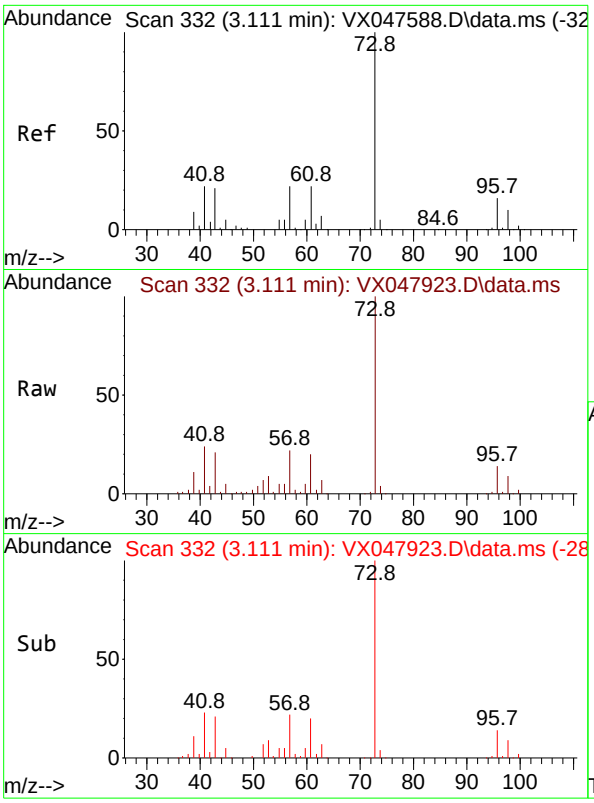


#18
Methyl Acetate
Concen: 65.067 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 132826

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2

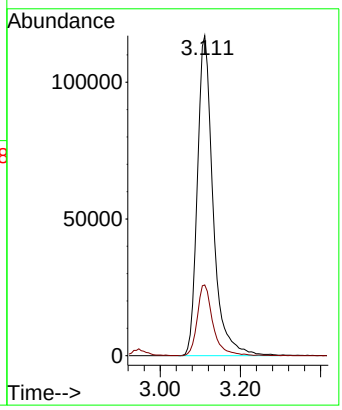




#19
Methyl tert-butyl Ether
Concen: 55.306 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 73 Resp: 31790

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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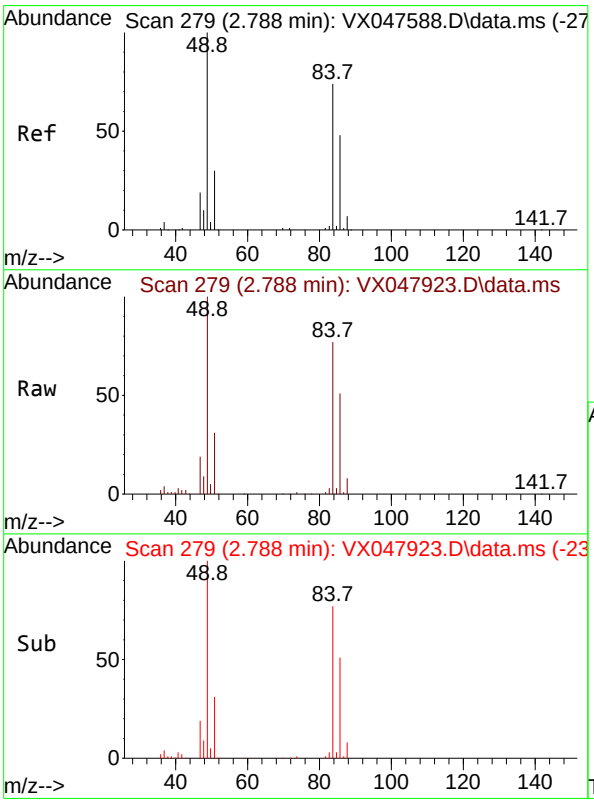
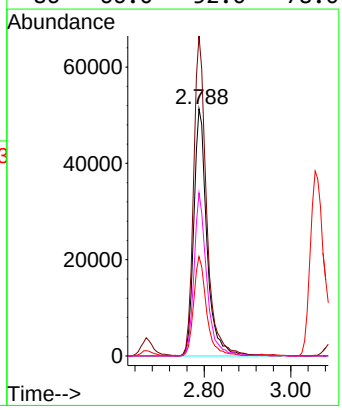
Supervised By :Mahesh Dadoda 10/03/2025

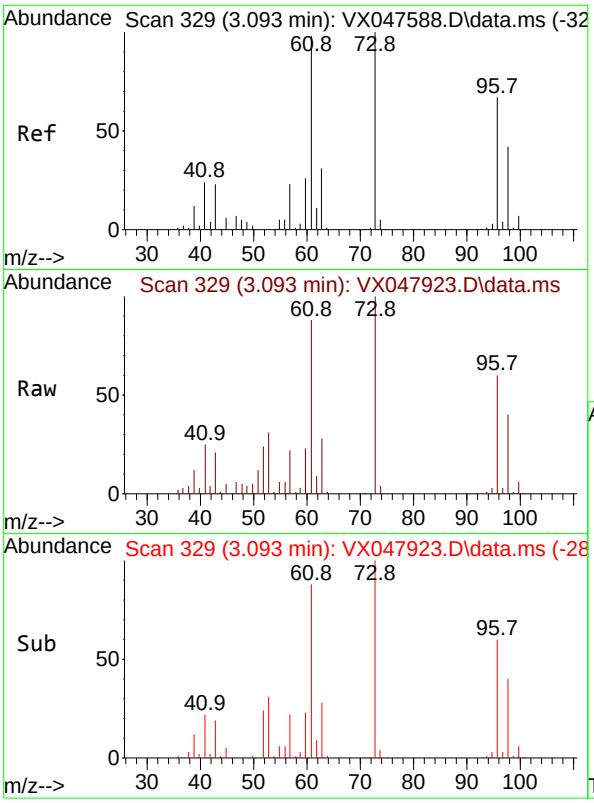


#20
Methylene Chloride
Concen: 55.546 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 84 Resp: 107848

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	40.2	32.6	48.8
86	66.0	52.0	78.0

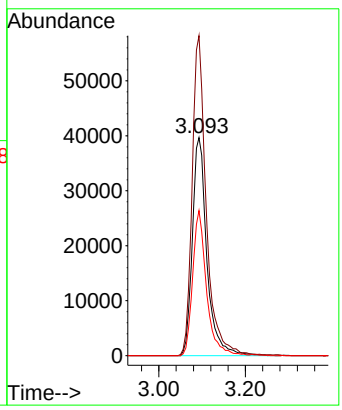




#21
trans-1,2-Dichloroethene
Concen: 54.552 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 9248

Ion	Ratio	Lower	Upper
96	100		
61	146.8	116.2	174.2
98	66.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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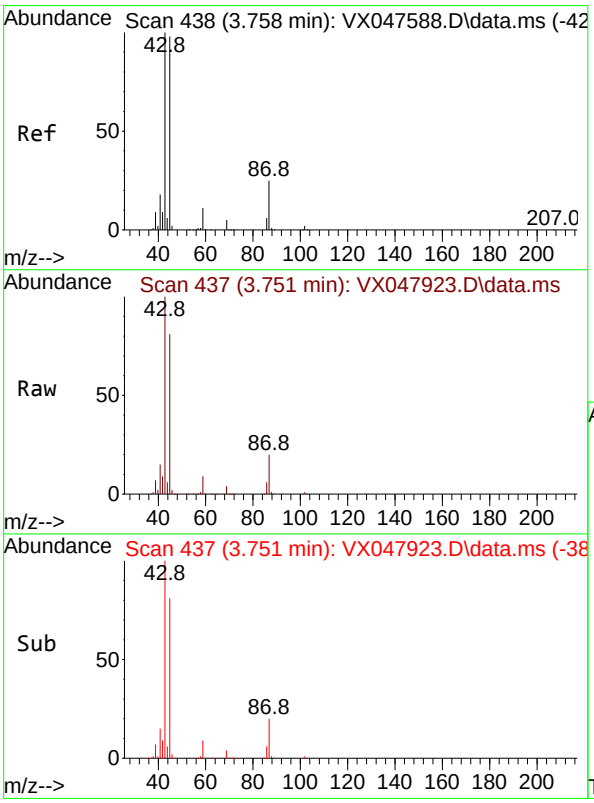
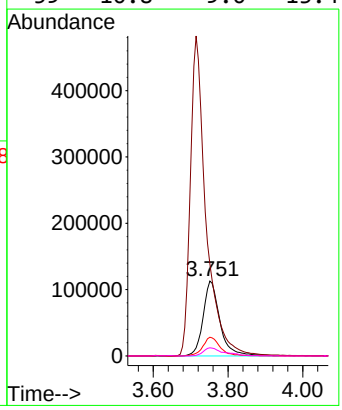
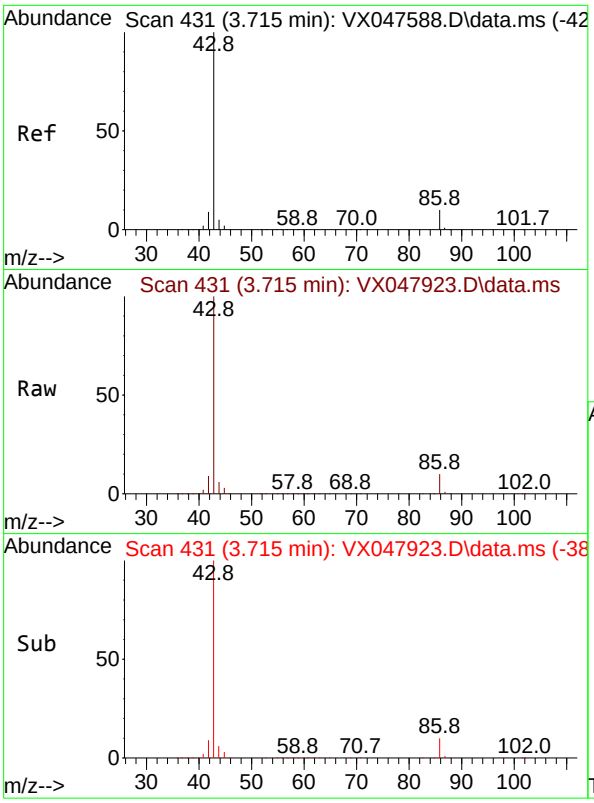


#22
Diisopropyl ether
Concen: 55.966 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 45 Resp: 352433

Ion	Ratio	Lower	Upper
45	100		
43	121.9	81.0	121.4#
87	25.0	20.3	30.5
59	10.8	9.0	13.4





#23
Vinyl Acetate
Concen: 280.091 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 141166

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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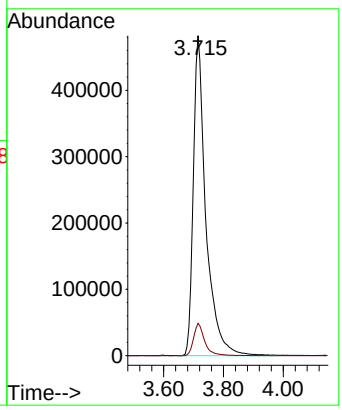
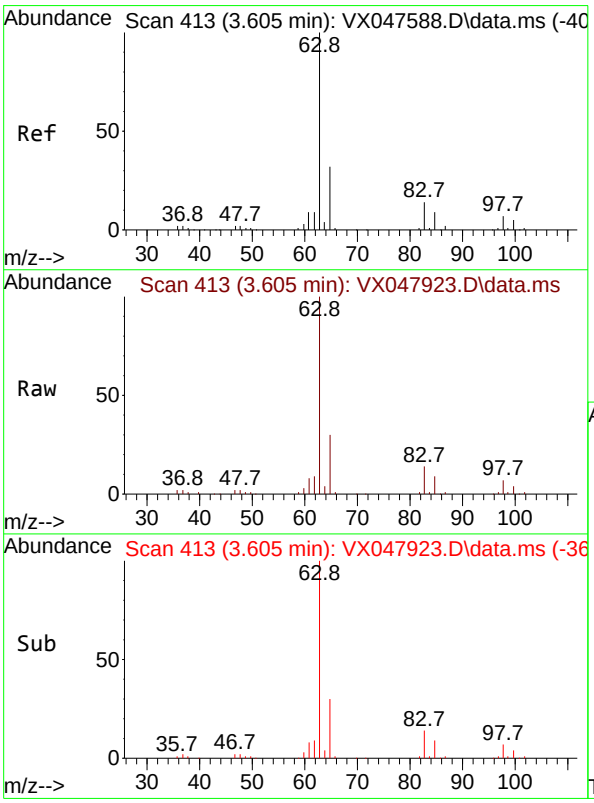
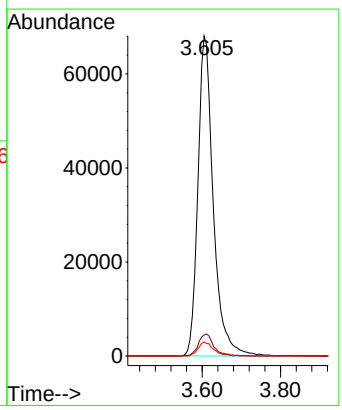


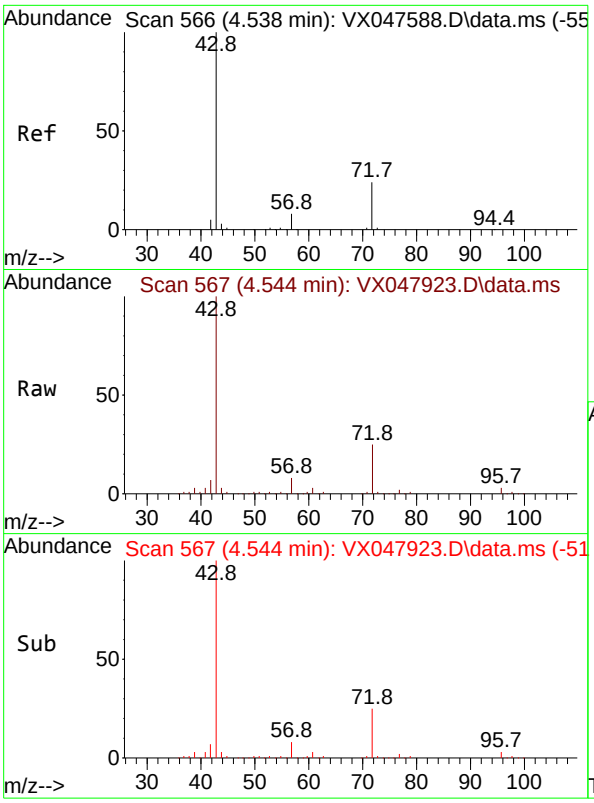


#24
1,1-Dichloroethane
Concen: 55.634 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 186212

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.4	2.3	6.9

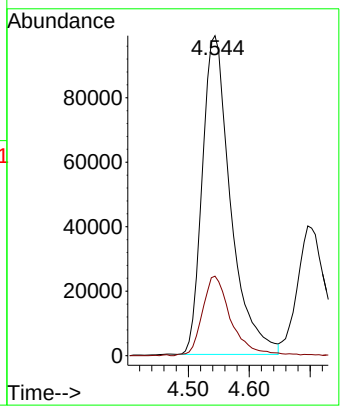




#25
2-Butanone
Concen: 279.147 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 31939

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1



Instrument :
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ClientSampleId :
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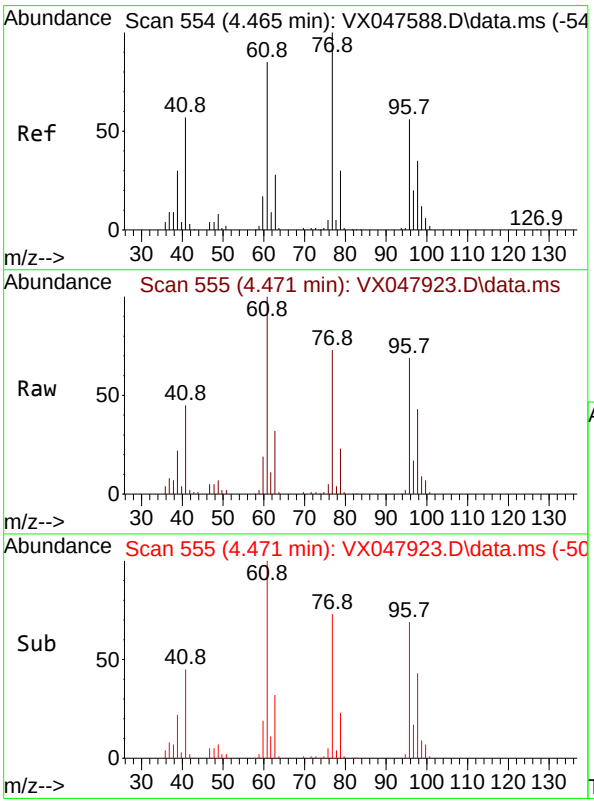
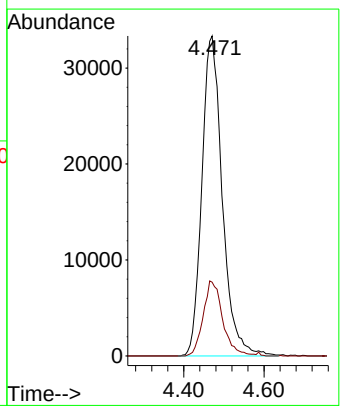
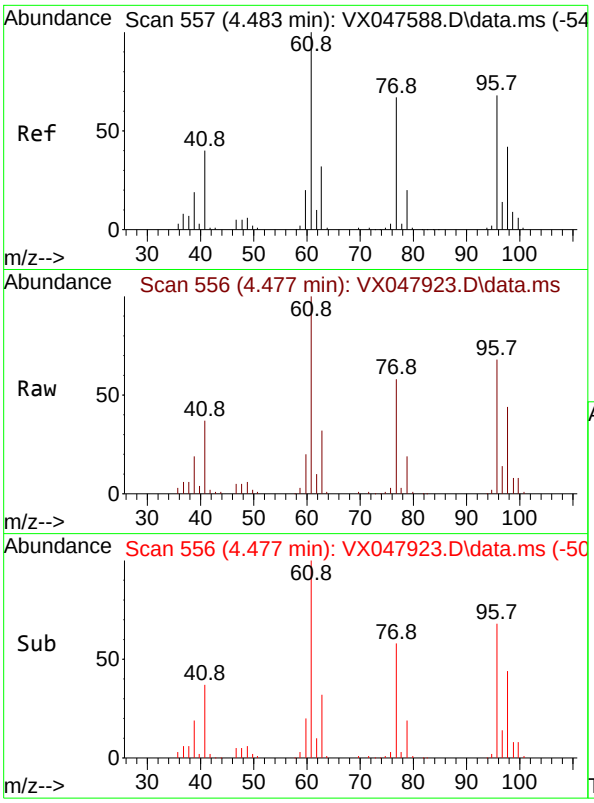


#26
2,2-Dichloropropane
Concen: 42.330 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 77 Resp: 117774

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 54.761 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 11369

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	303.2
98	64.9	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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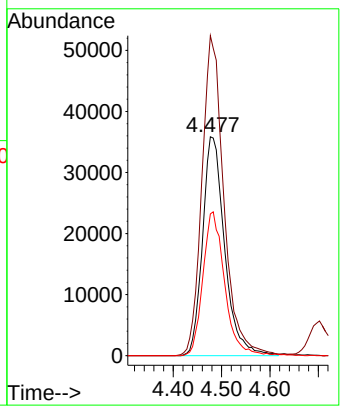
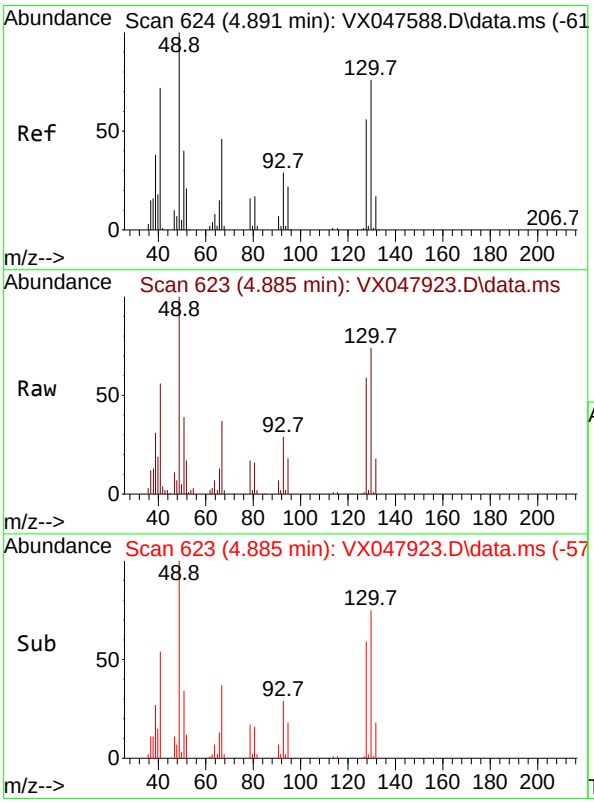
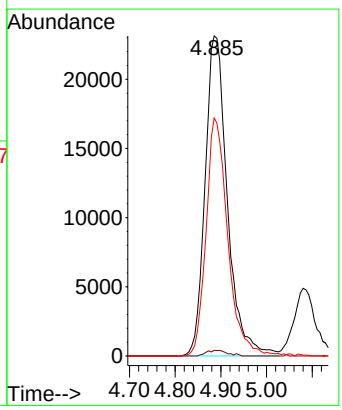


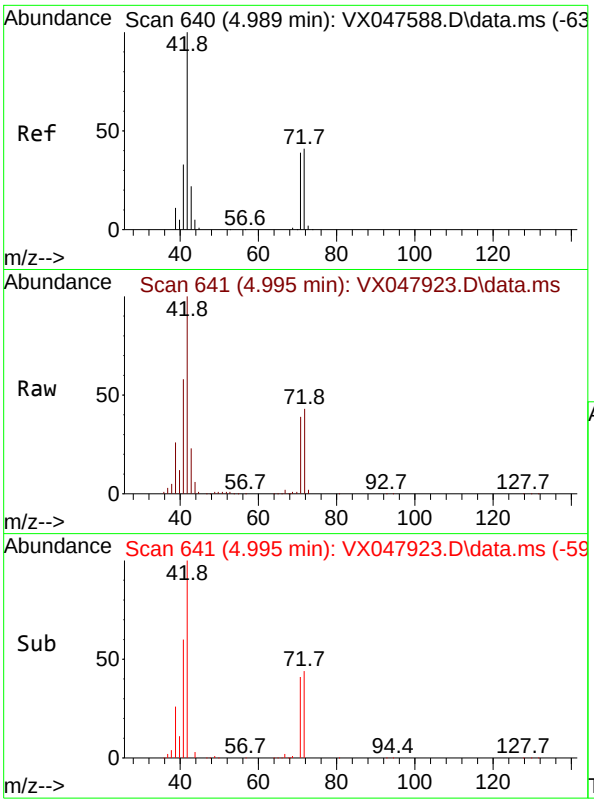


#28
Bromochloromethane
Concen: 53.604 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 49 Resp: 78327

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.5	57.8	86.8





#29
Tetrahydrofuran
Concen: 294.905 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 42 Resp: 20298

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	40.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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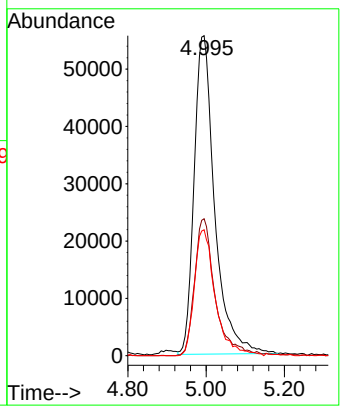
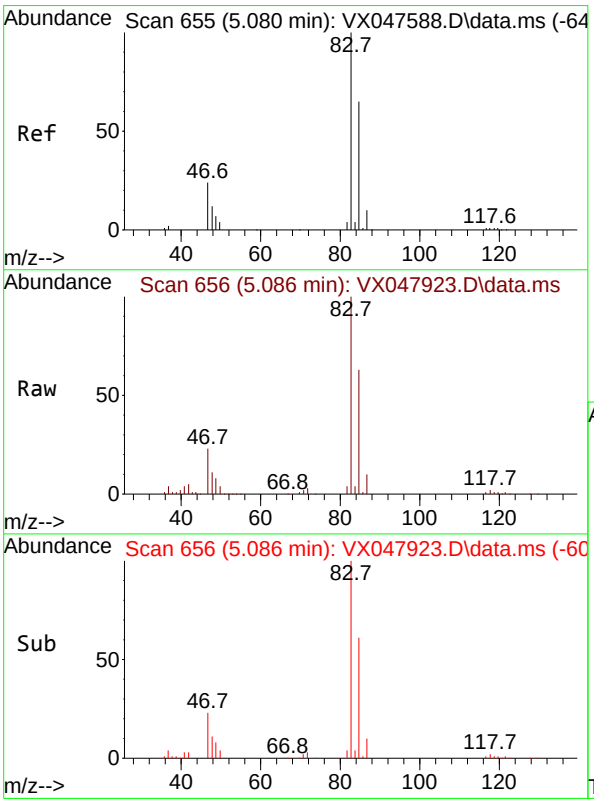
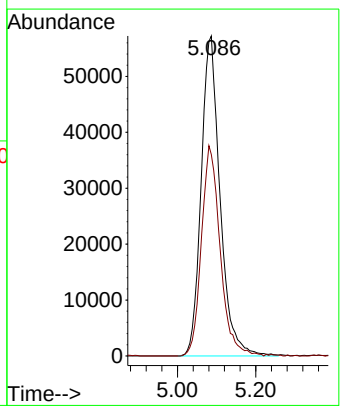


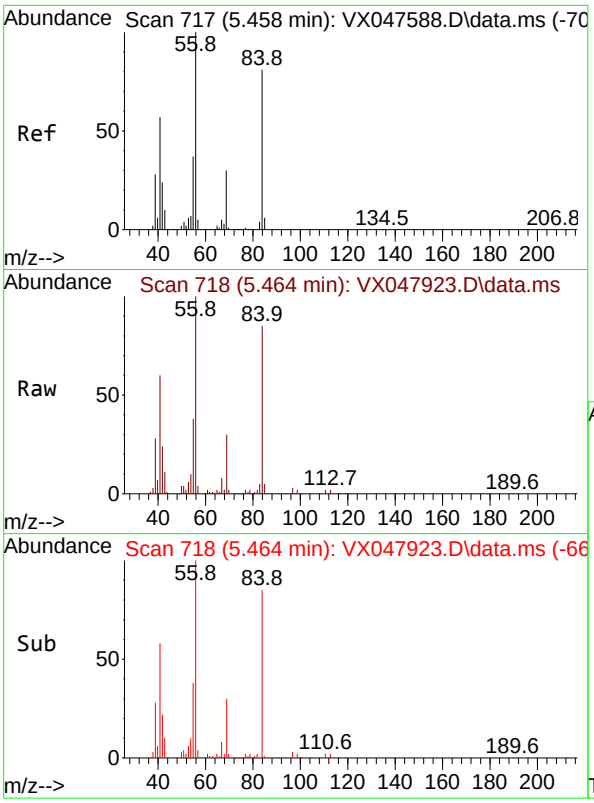


#30
Chloroform
Concen: 56.689 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 191739

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6

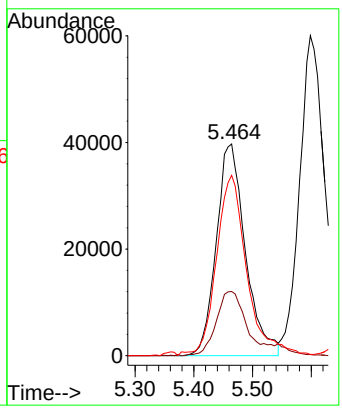




#31
Cyclohexane
Concen: 49.011 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 56 Resp: 13662

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	85.0	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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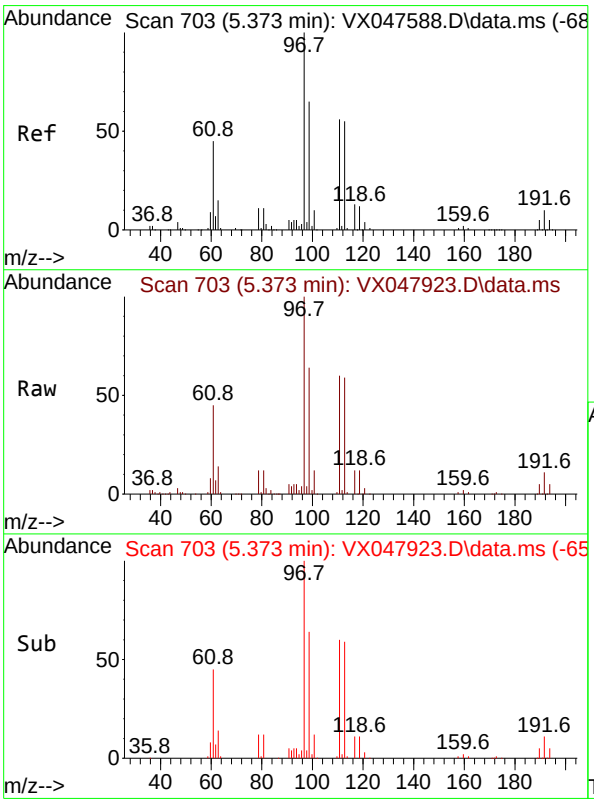
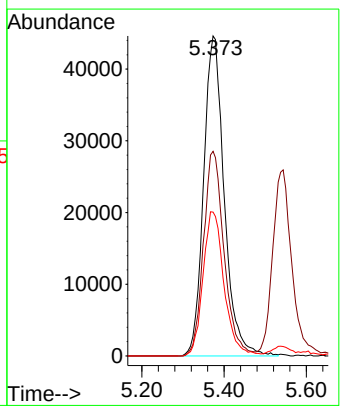
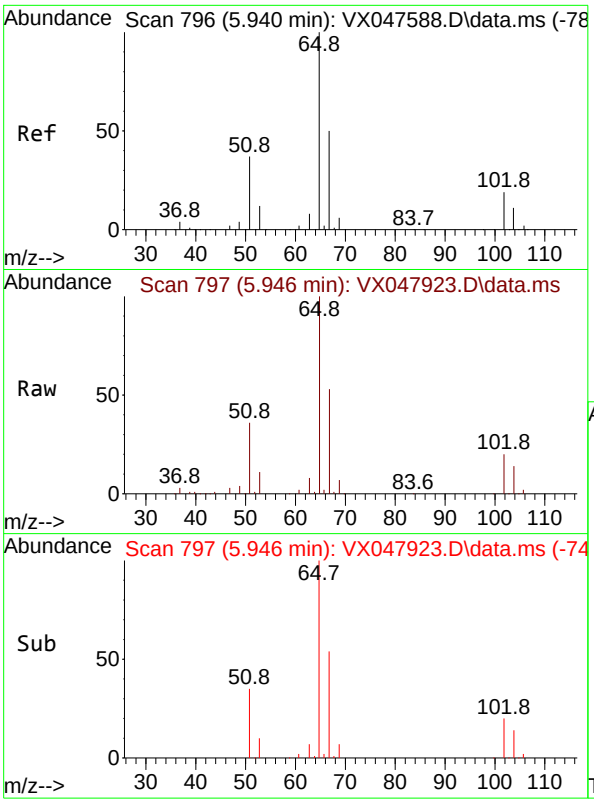


#32
1,1,1-Trichloroethane
Concen: 54.189 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 97 Resp: 155464

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	46.0	35.8	53.8

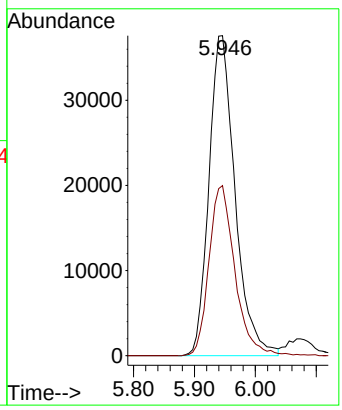




#33
1,2-Dichloroethane-d4
Concen: 53.045 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 65 Resp: 11190

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
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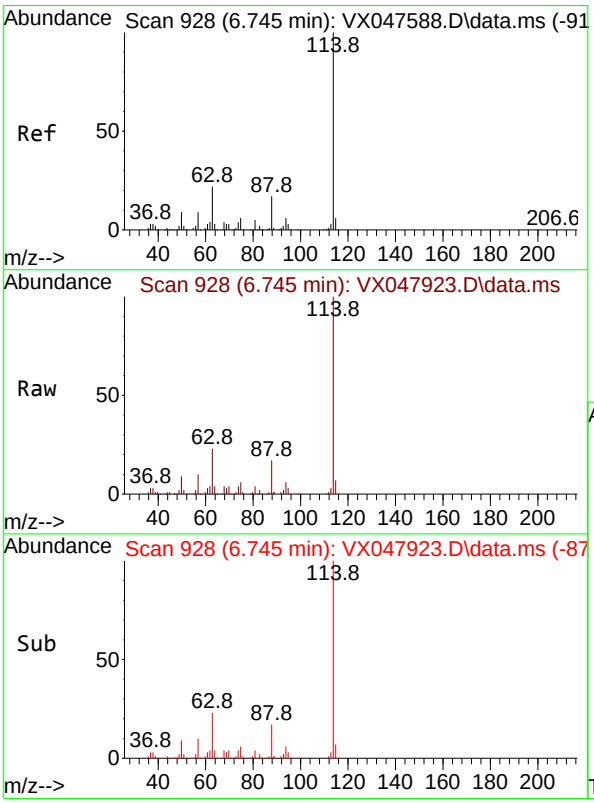
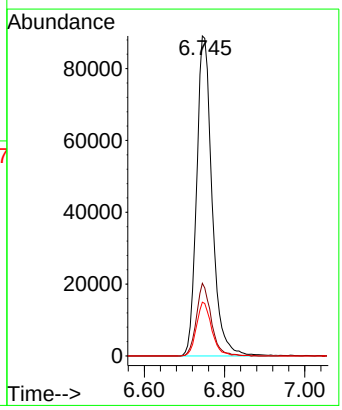
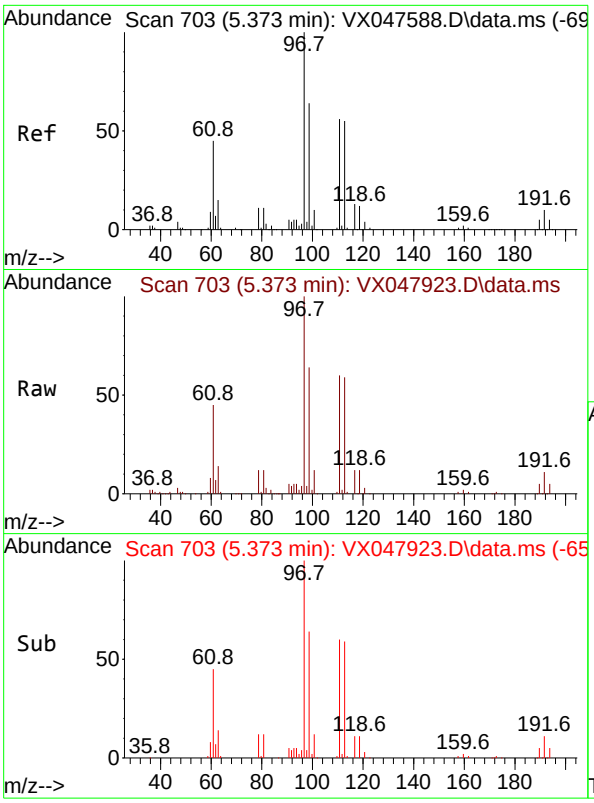


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:114 Resp: 238365

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.8	0.0	34.2

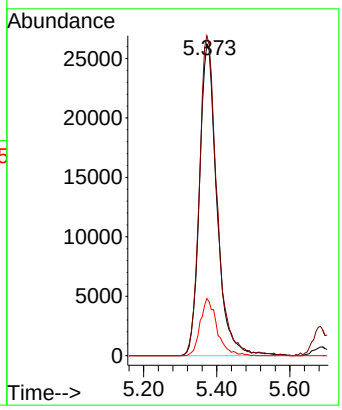




#35
Dibromofluoromethane
Concen: 54.153 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:113 Resp: 8657

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.7	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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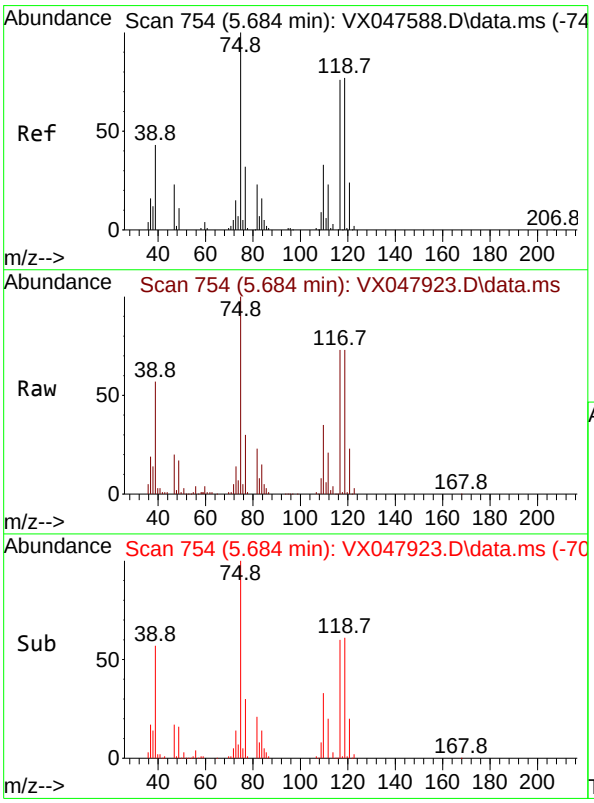
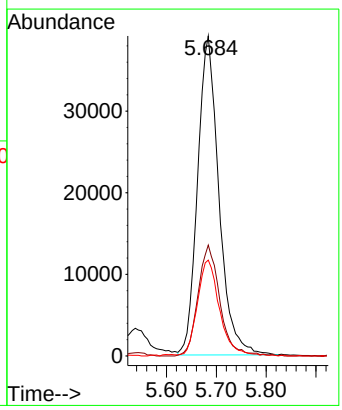
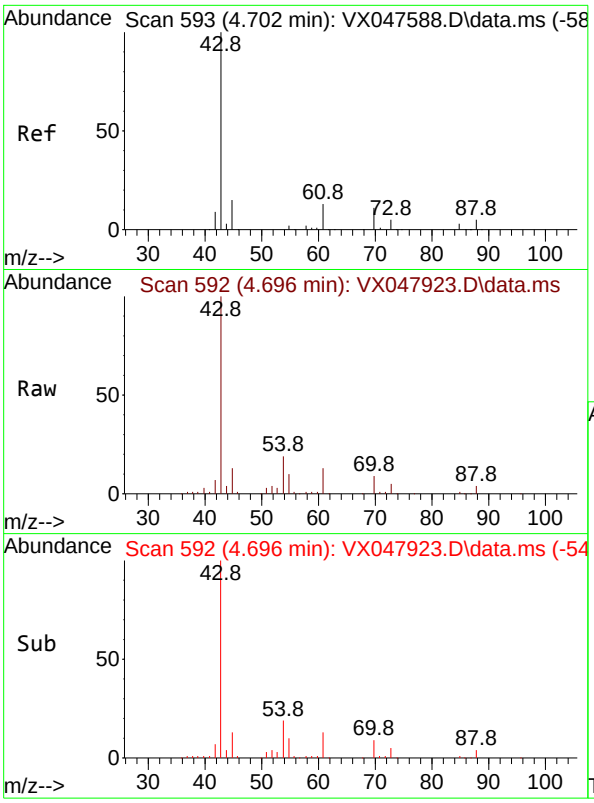


#36
1,1-Dichloropropene
Concen: 49.637 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 115949

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.1
77	31.2	24.3	36.5





#37
Ethyl Acetate
Concen: 54.746 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 13692

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.1	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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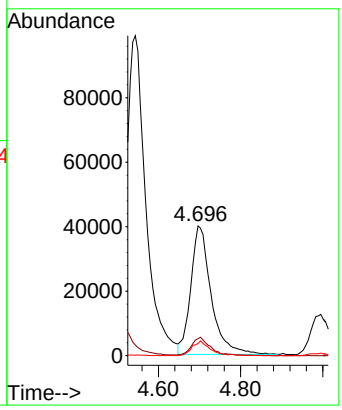
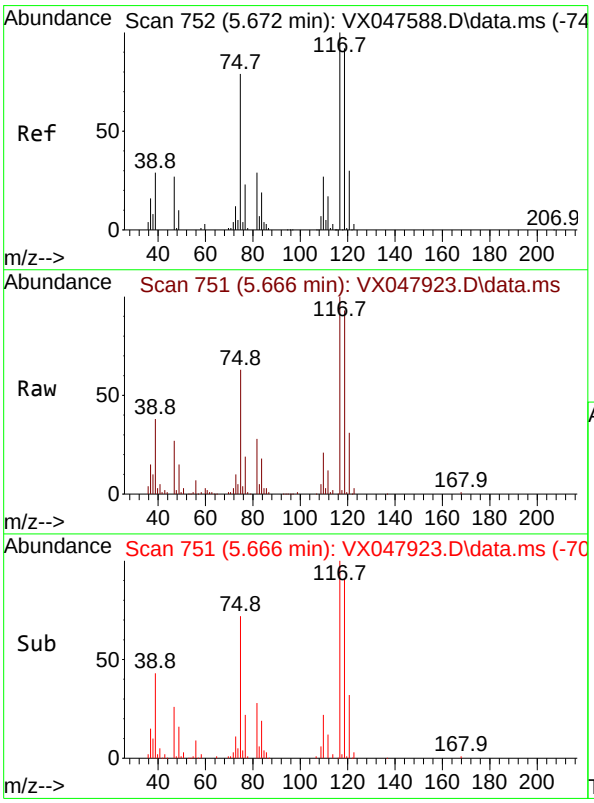
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

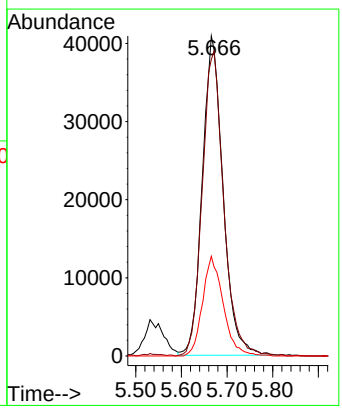


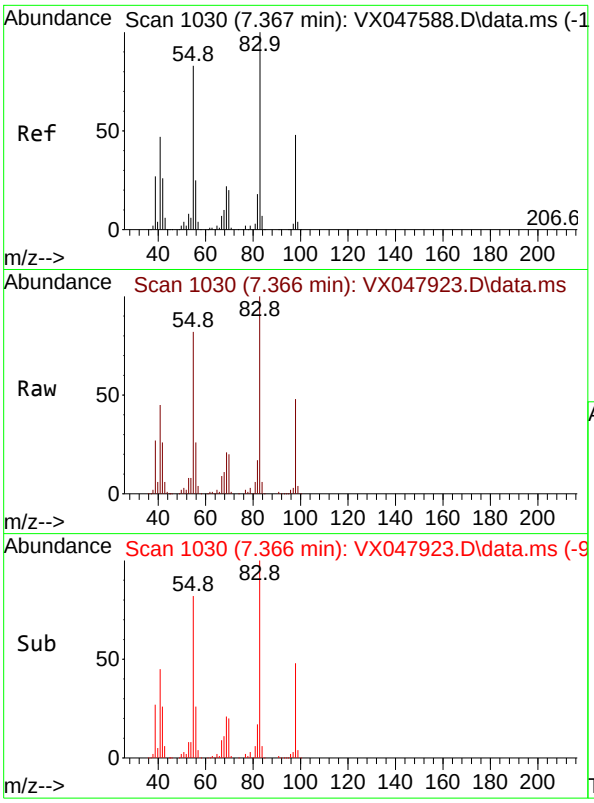


#38
Carbon Tetrachloride
Concen: 50.785 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 128895

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	31.2	23.8	35.6





#39
Methylcyclohexane
Concen: 47.806 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 12676

Ion	Ratio	Lower	Upper
83	100		
55	81.7	66.4	99.6
98	48.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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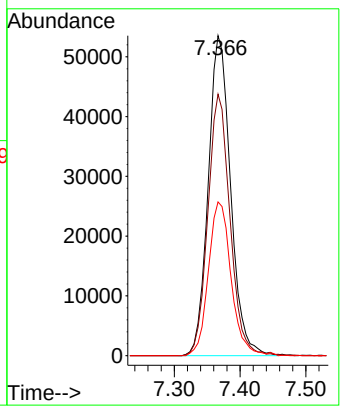
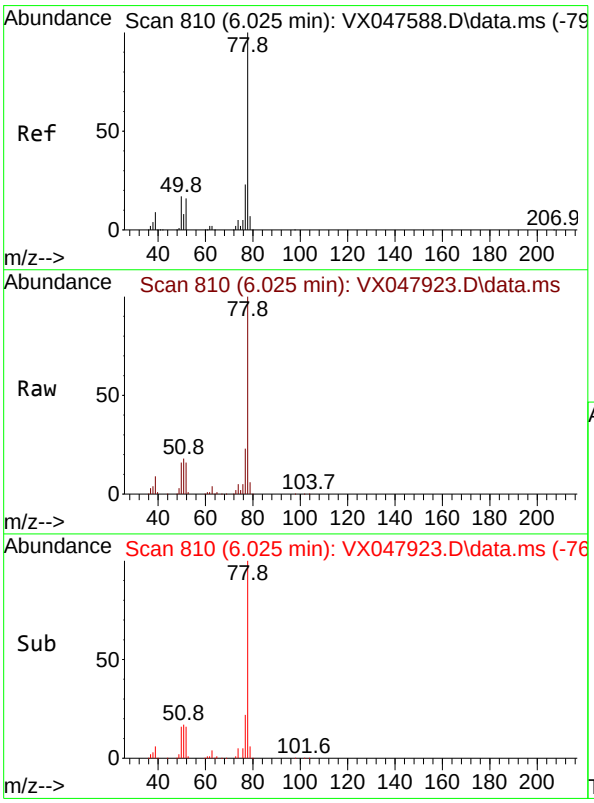
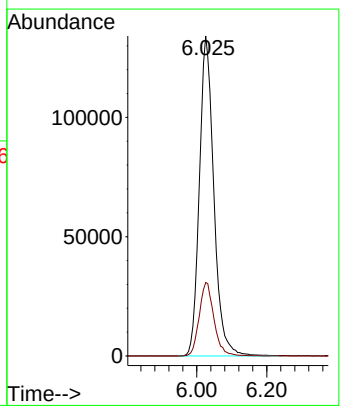


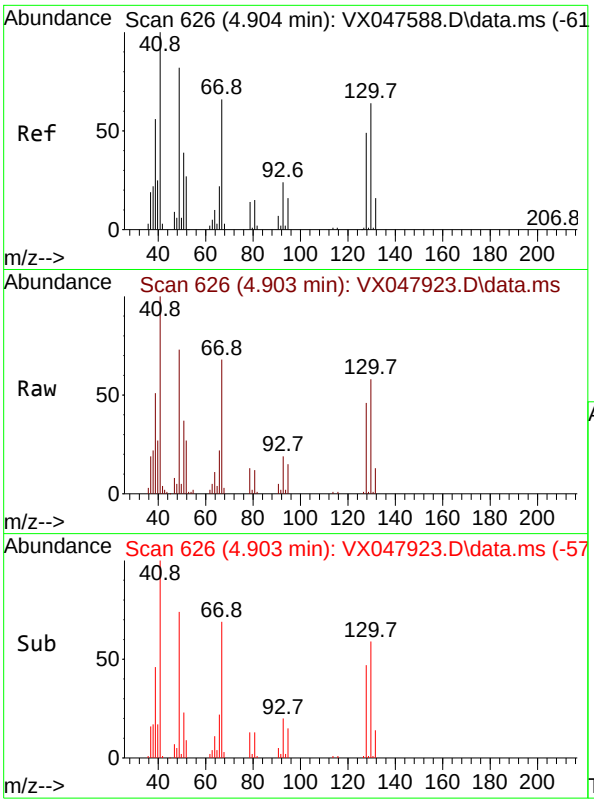


#40
Benzene
Concen: 54.213 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 78 Resp: 384636

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2

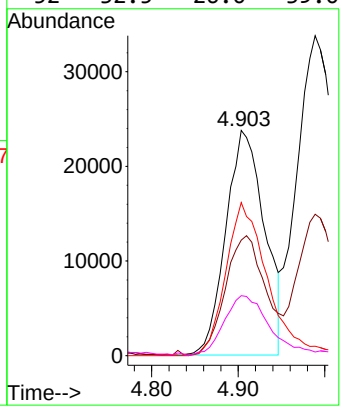




#41
Methacrylonitrile
Concen: 57.078 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 7370

Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	74.9	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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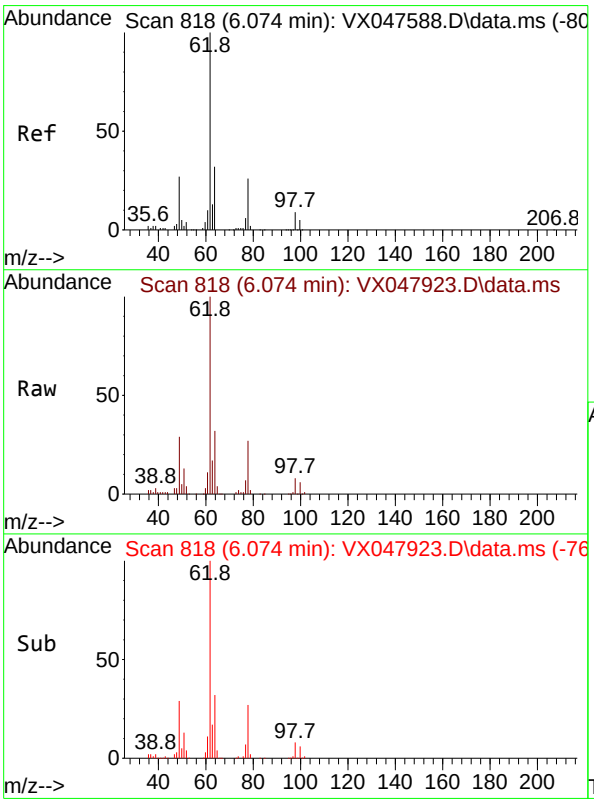
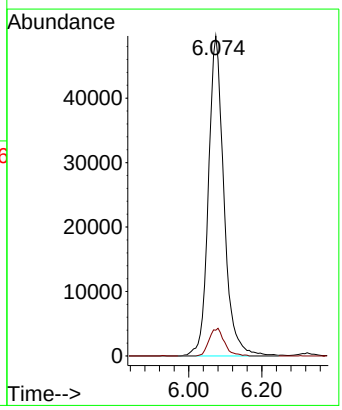
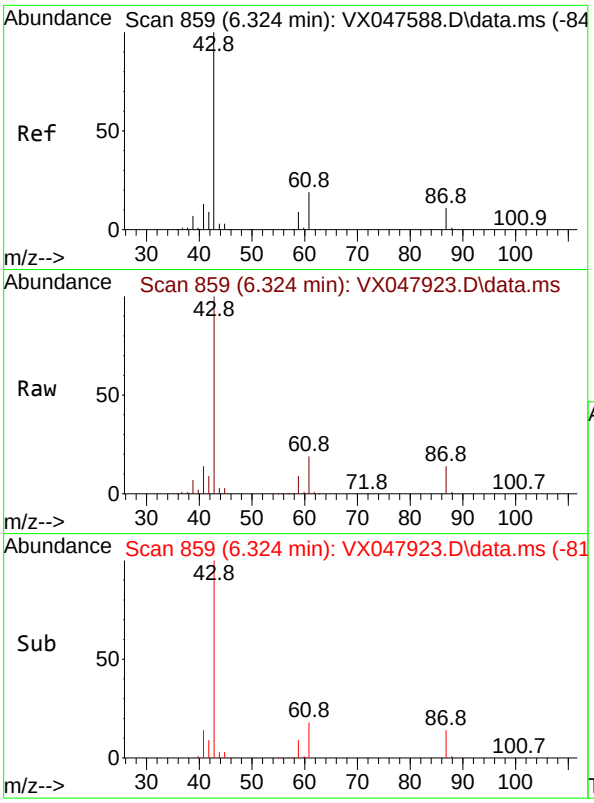


#42
1,2-Dichloroethane
Concen: 54.079 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 145986

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

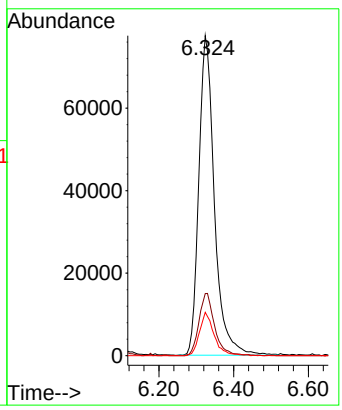




#43
Isopropyl Acetate
Concen: 54.708 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 22441

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.7	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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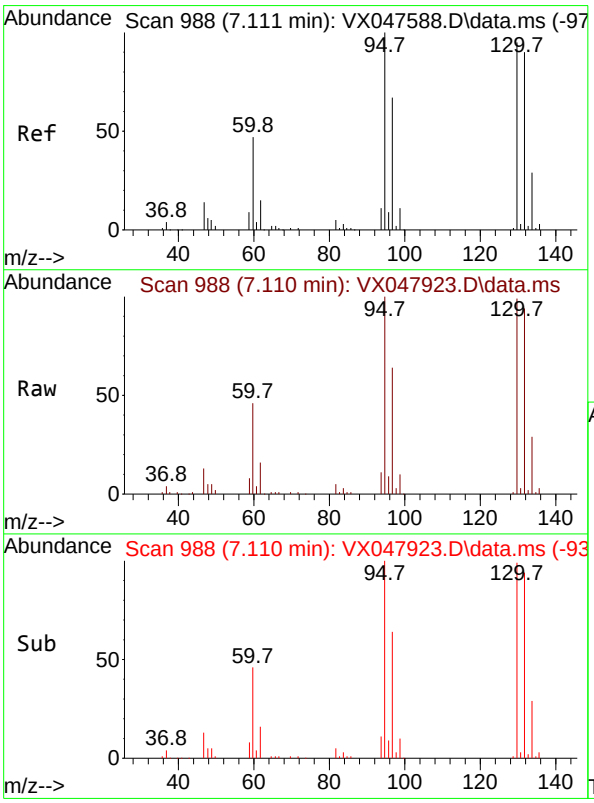
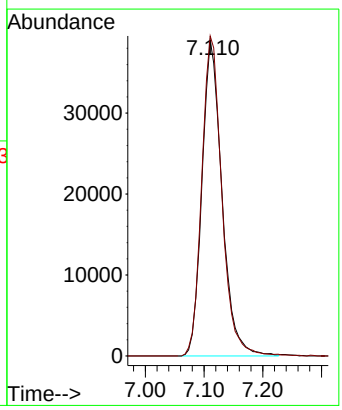
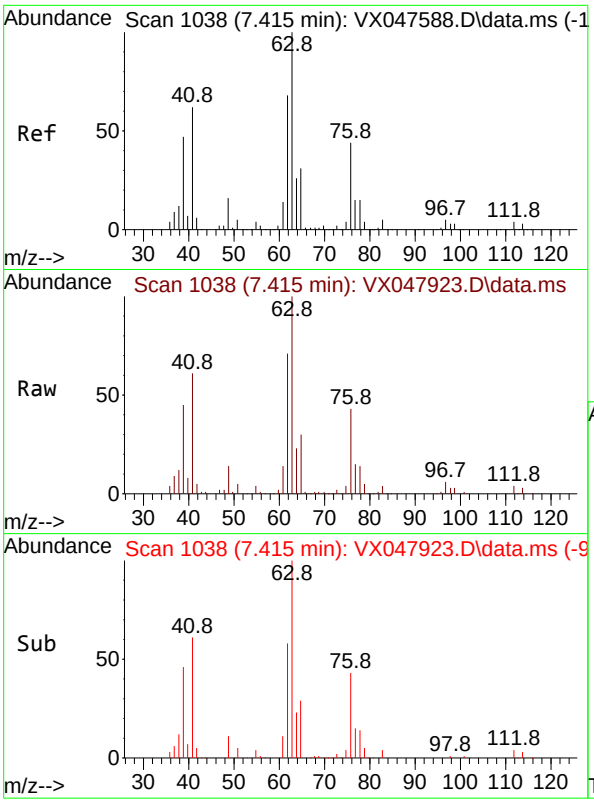


#44
Trichloroethene
Concen: 53.847 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:130 Resp: 92363

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8





#45
1,2-Dichloropropane
Concen: 56.471 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 10259

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 10/01/2025
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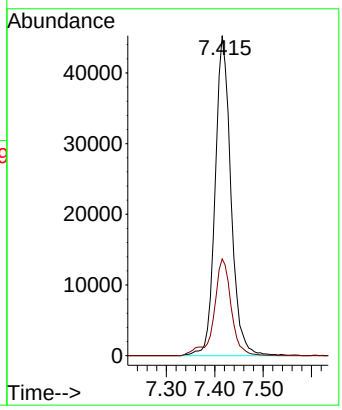
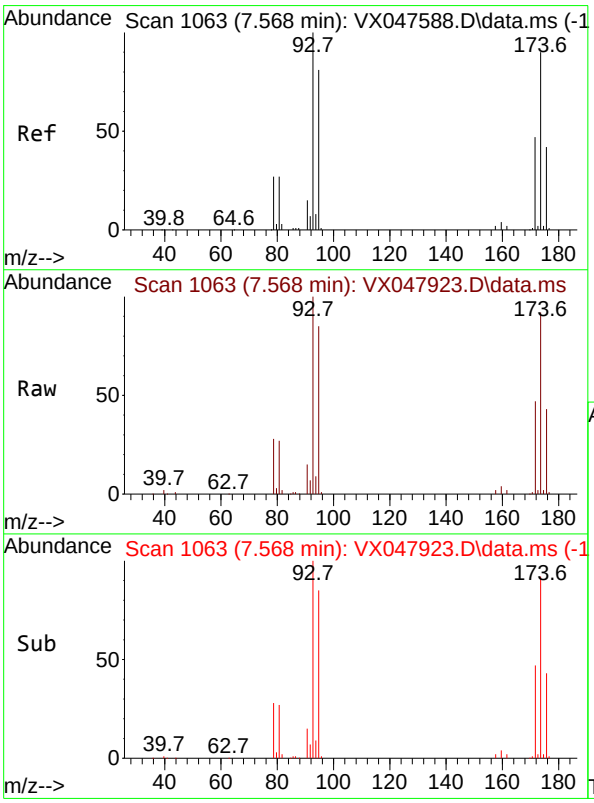
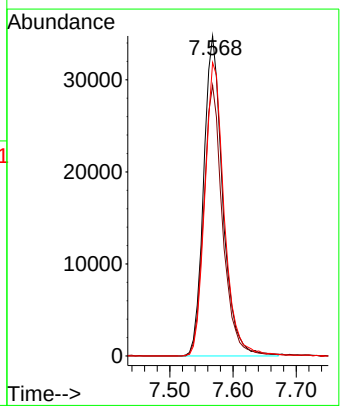


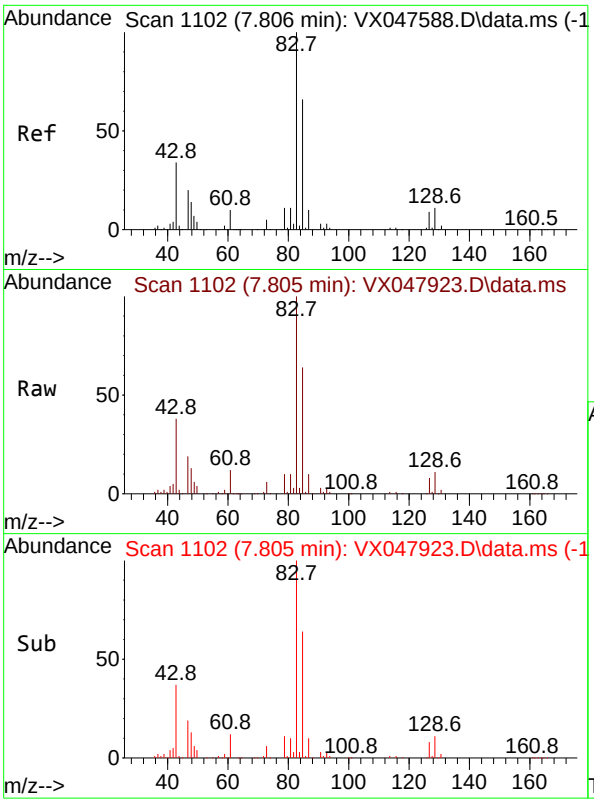


#46
Dibromomethane
Concen: 55.099 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 93 Resp: 72842

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.0	97.6
174	93.5	71.6	107.4

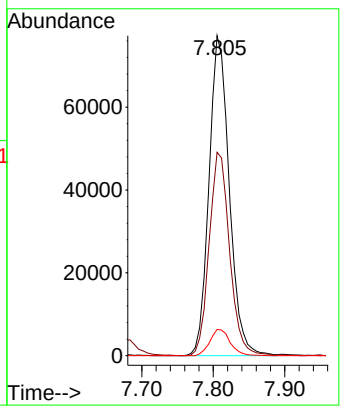




#47
Bromodichloromethane
Concen: 55.883 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 15245

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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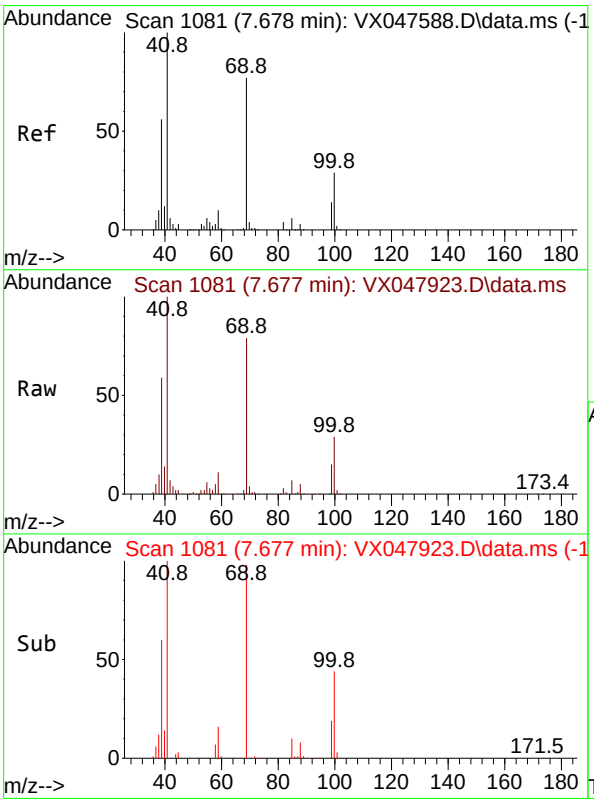
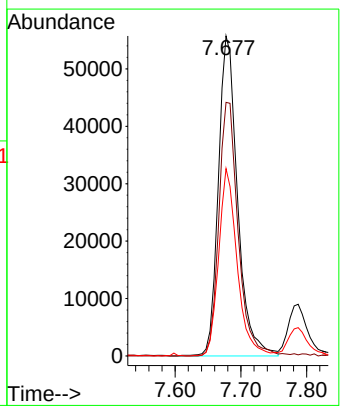
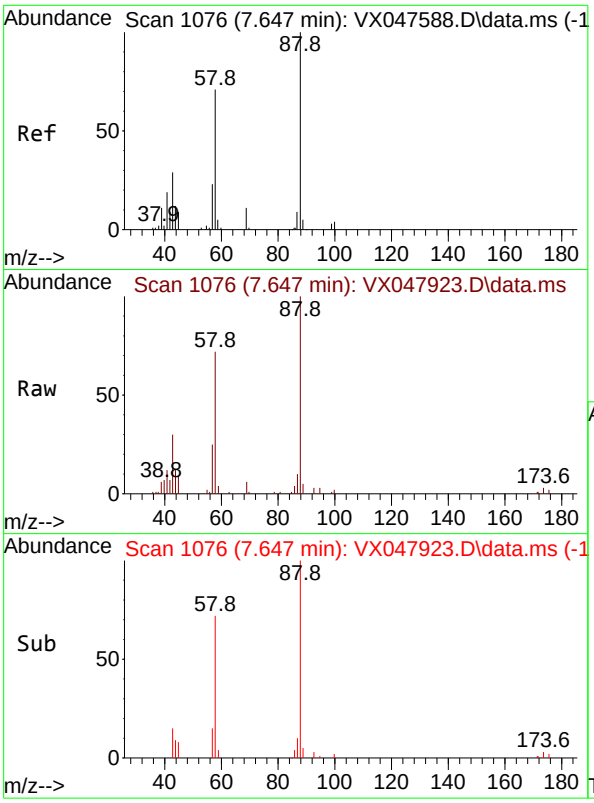


#48
Methyl methacrylate
Concen: 55.472 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 113343

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.3	45.8	68.6

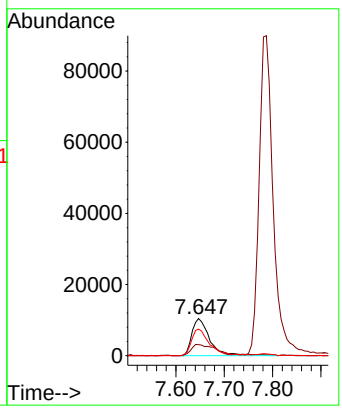




#49
1,4-Dioxane
Concen: 1305.423 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 88 Resp: 2695

Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.2	45.2
58	71.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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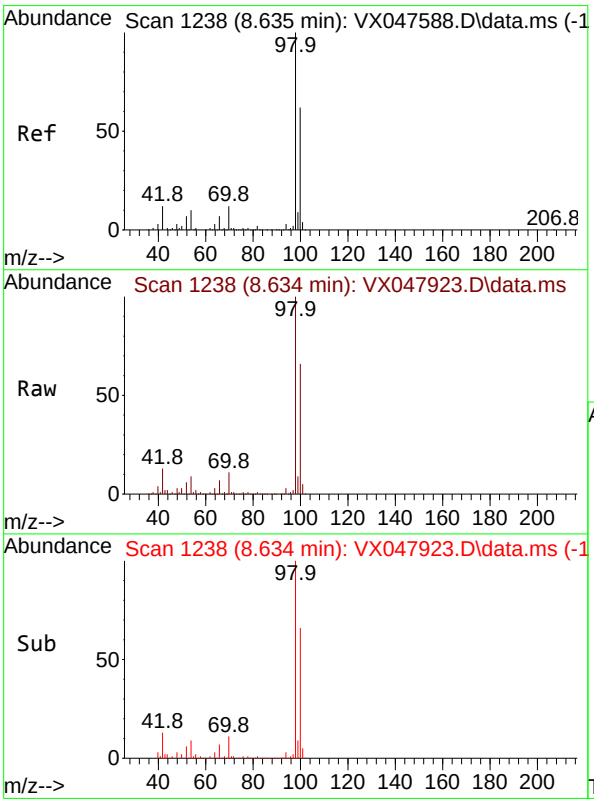
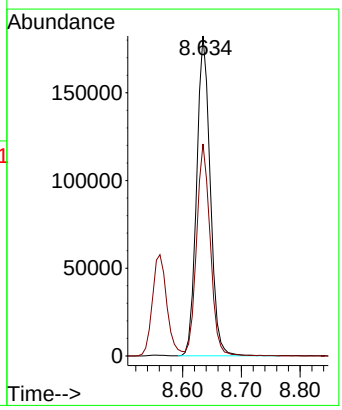
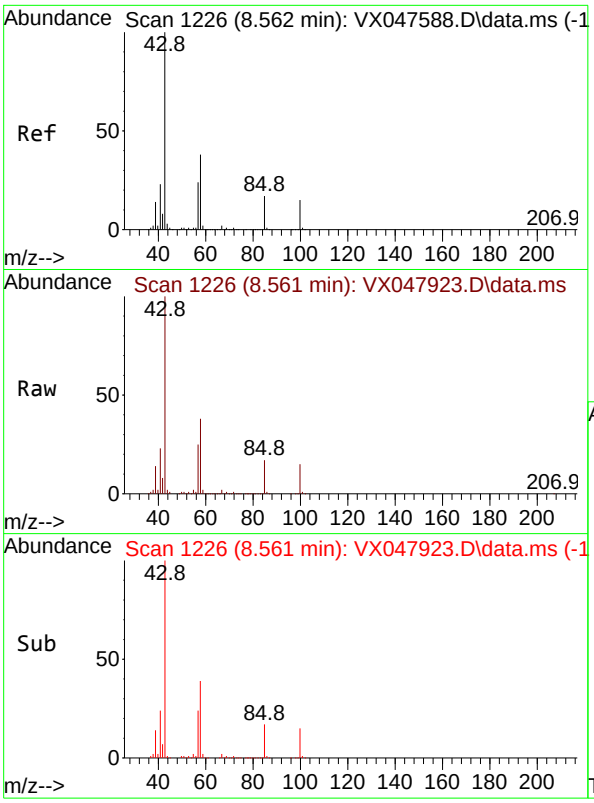


#50
Toluene-d8
Concen: 53.040 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 98 Resp: 293390

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

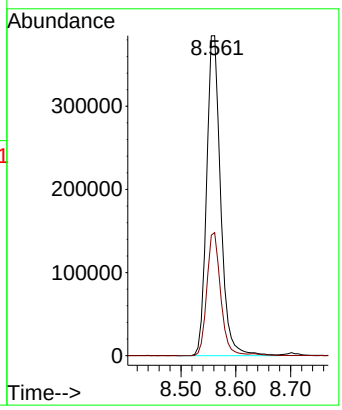




#51
4-Methyl-2-Pentanone
Concen: 298.935 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 67987

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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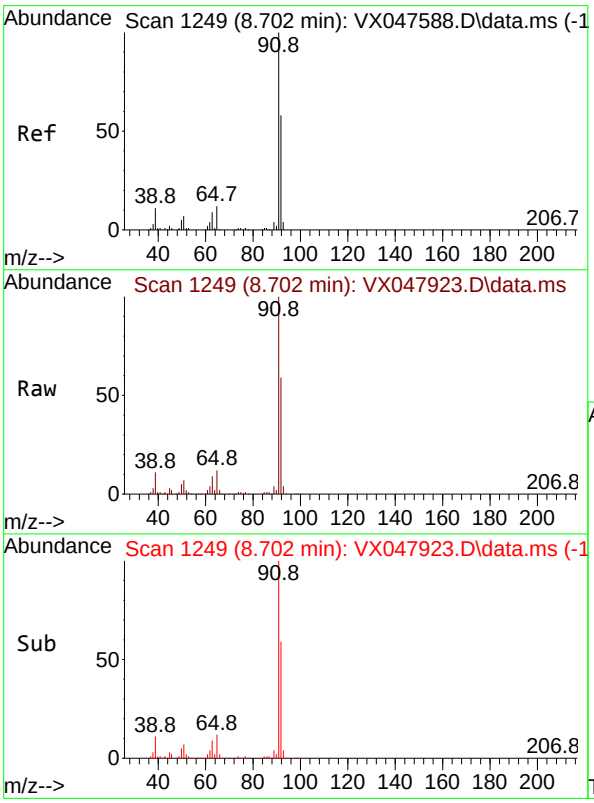
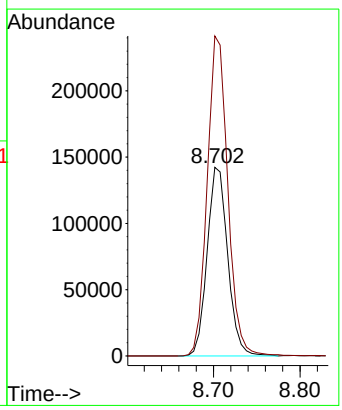
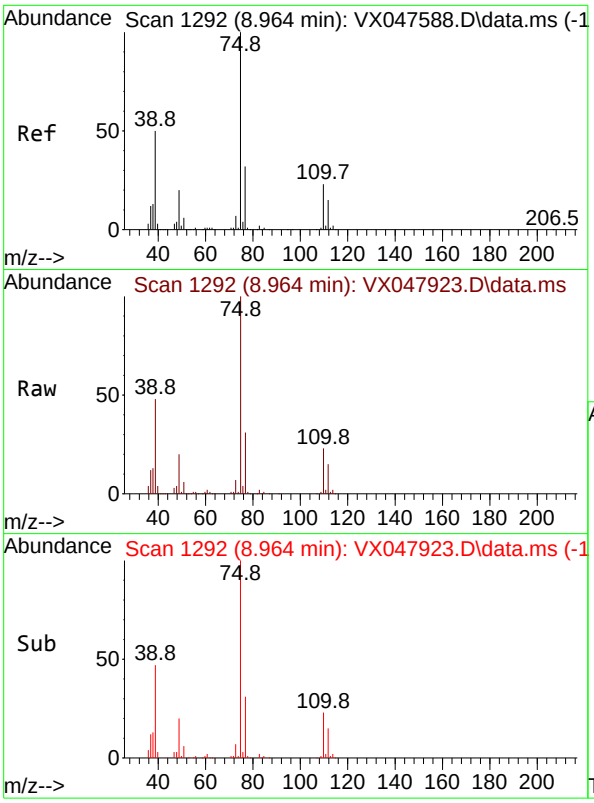


#52
Toluene
Concen: 53.729 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 92 Resp: 234858

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7

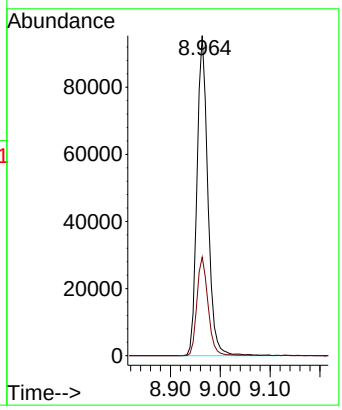




#53
t-1,3-Dichloropropene
Concen: 52.010 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 14472

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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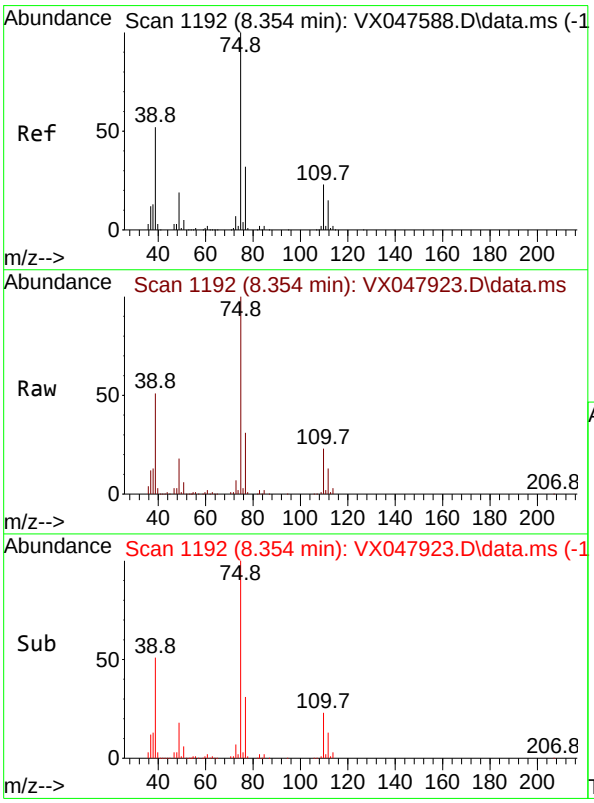
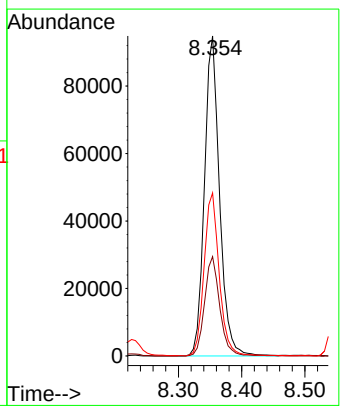
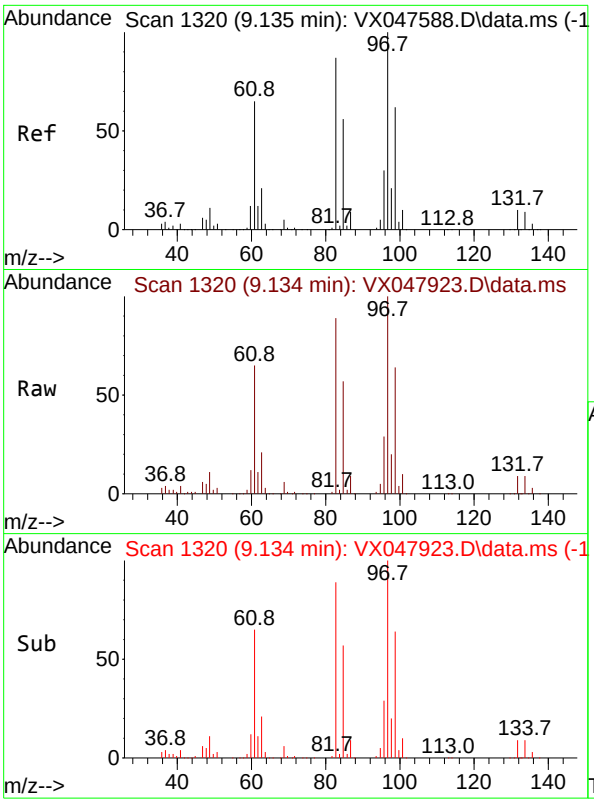


#54
cis-1,3-Dichloropropene
Concen: 52.943 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 157465

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	50.8	41.4	62.2

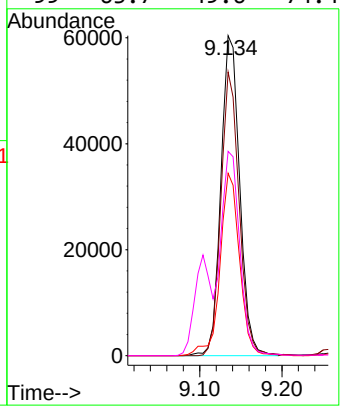




#55
1,1,2-Trichloroethane
Concen: 56.947 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 97 Resp: 9598

Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.6	104.4
85	57.0	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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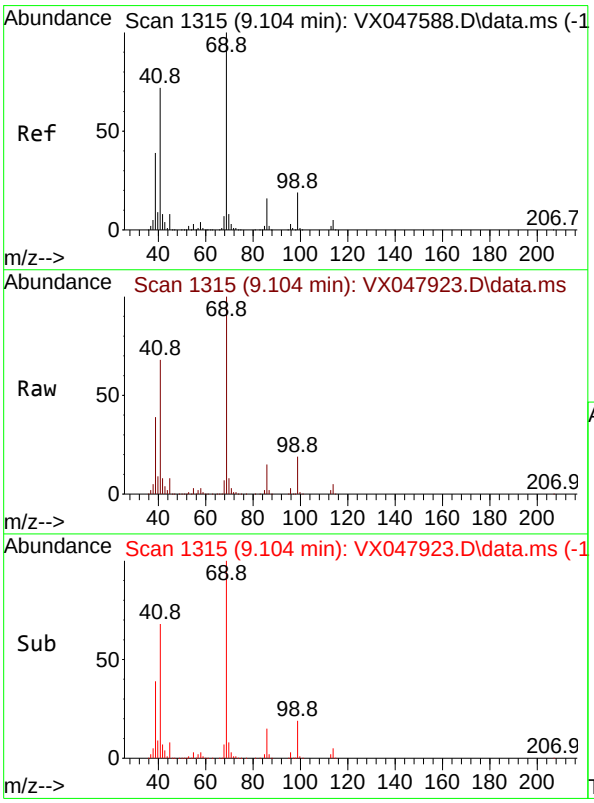
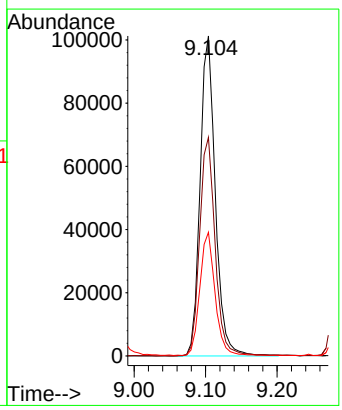
Supervised By :Mahesh Dadoda 10/03/2025

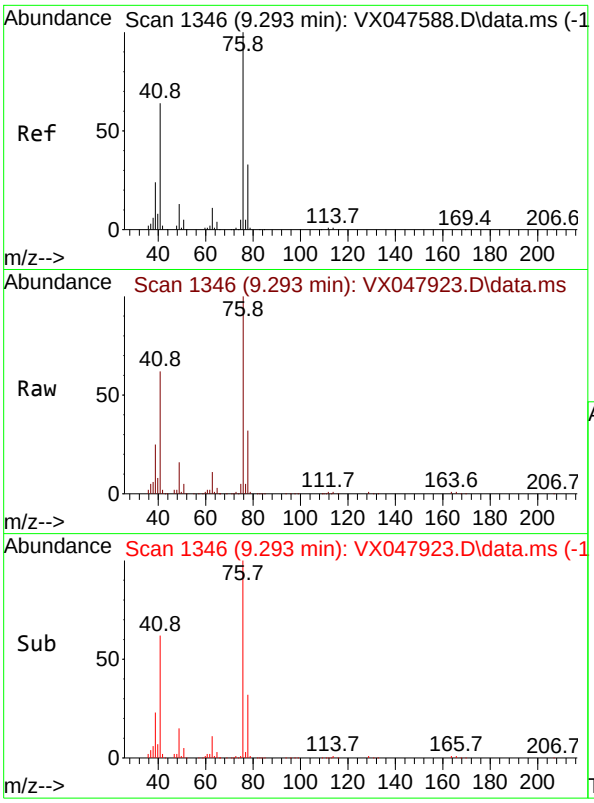


#56
Ethyl methacrylate
Concen: 56.599 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 69 Resp: 149817

Ion	Ratio	Lower	Upper
69	100		
41	69.7	58.6	87.8
39	38.5	31.5	47.3





#57
1,3-Dichloropropane
Concen: 56.837 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 76 Resp: 16456

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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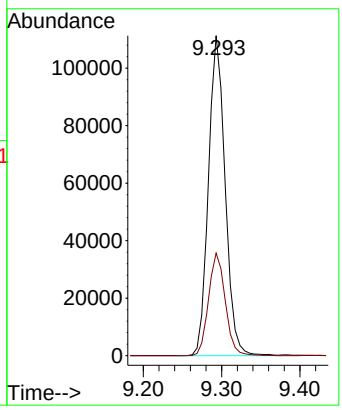
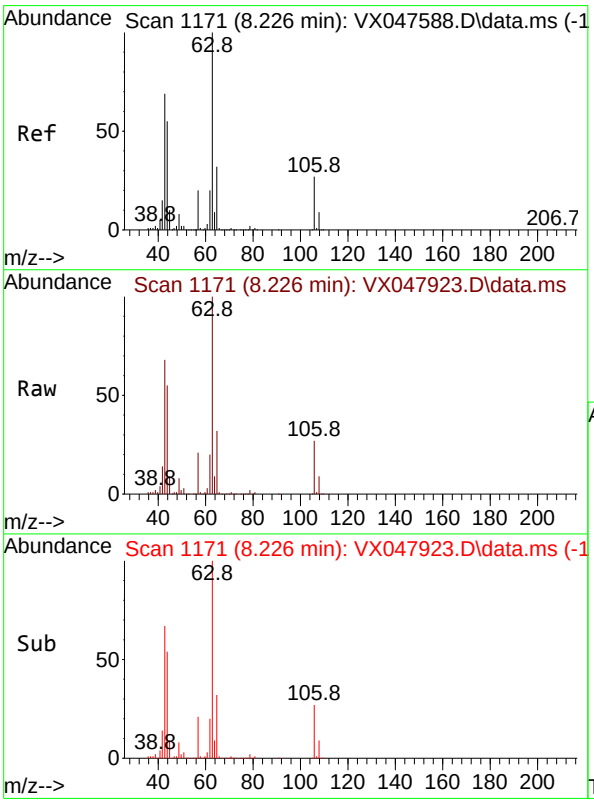
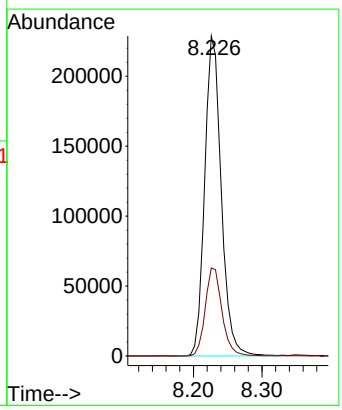


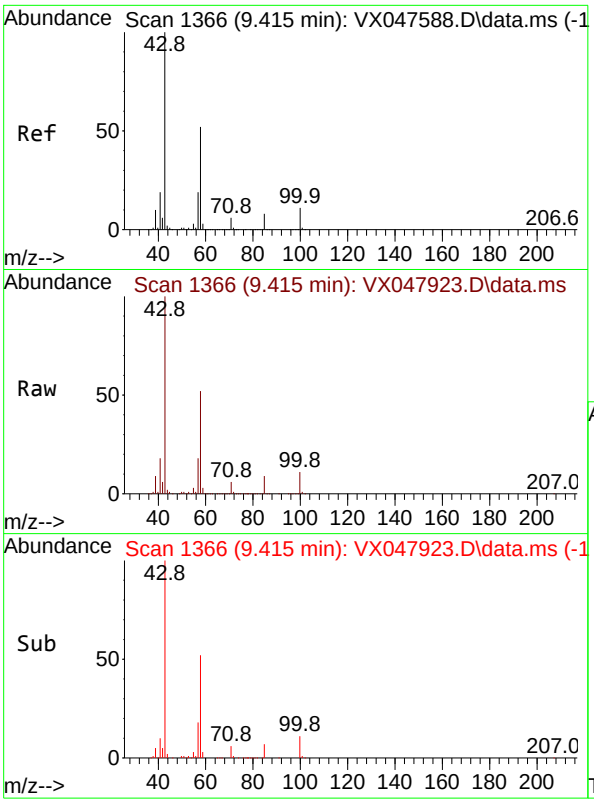


#58
2-Chloroethyl Vinyl ether
Concen: 300.103 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 384496

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9





#59
2-Hexanone
Concen: 287.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 47025

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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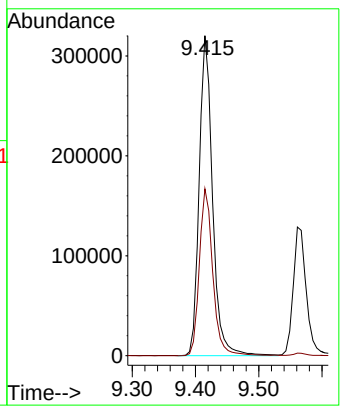
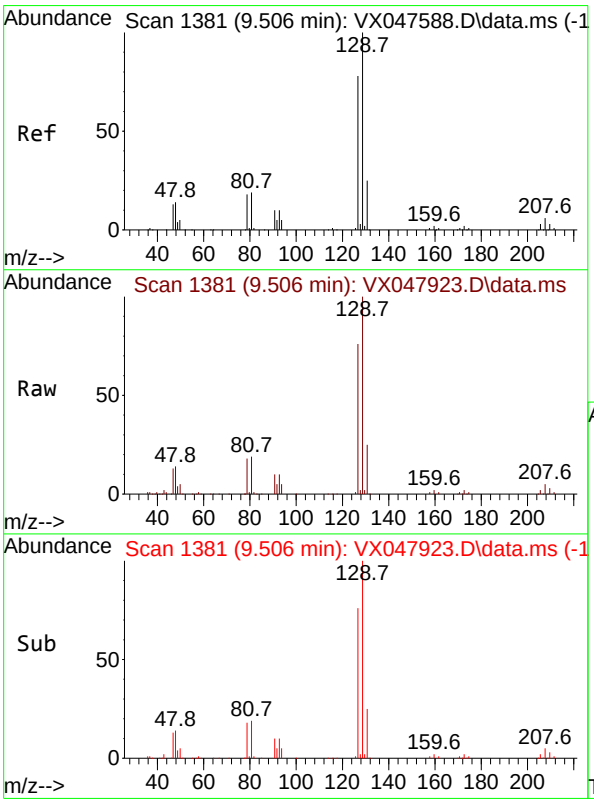
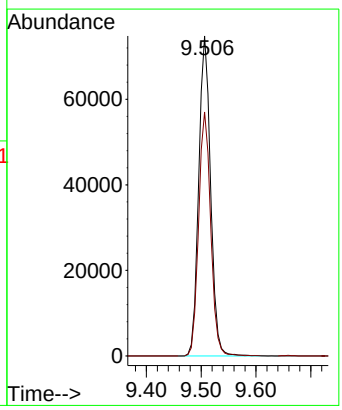


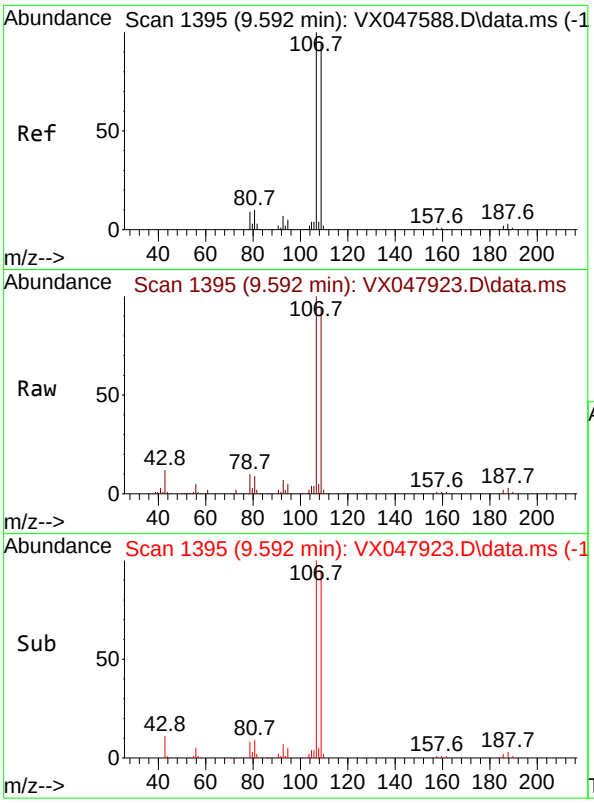


#60
Dibromochloromethane
Concen: 57.958 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:129 Resp: 112557

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2





#61
1,2-Dibromoethane
Concen: 58.588 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:107 Resp: 10058

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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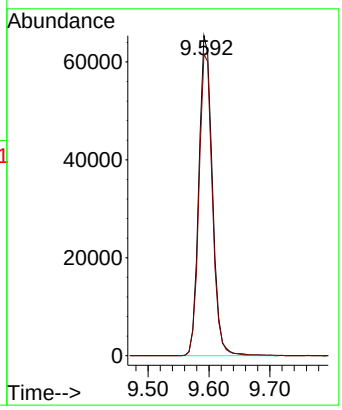
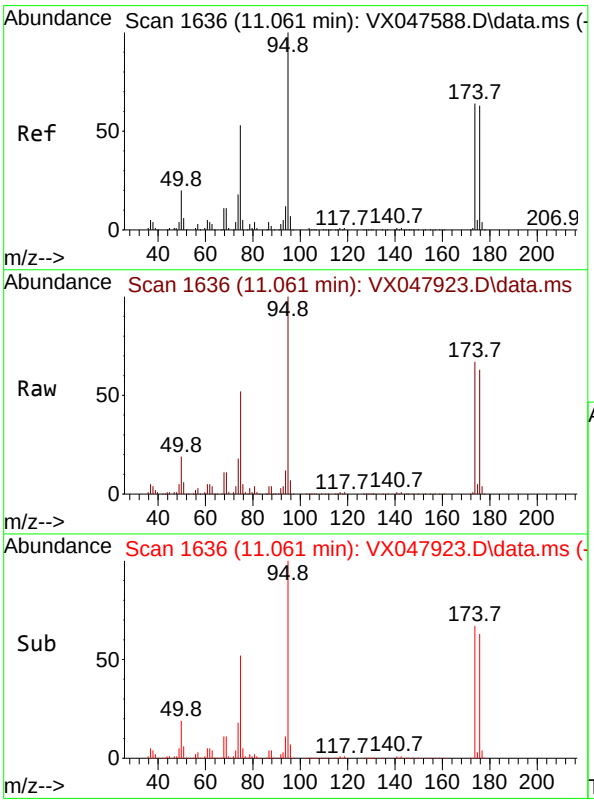
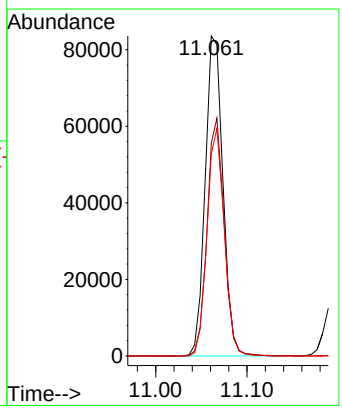


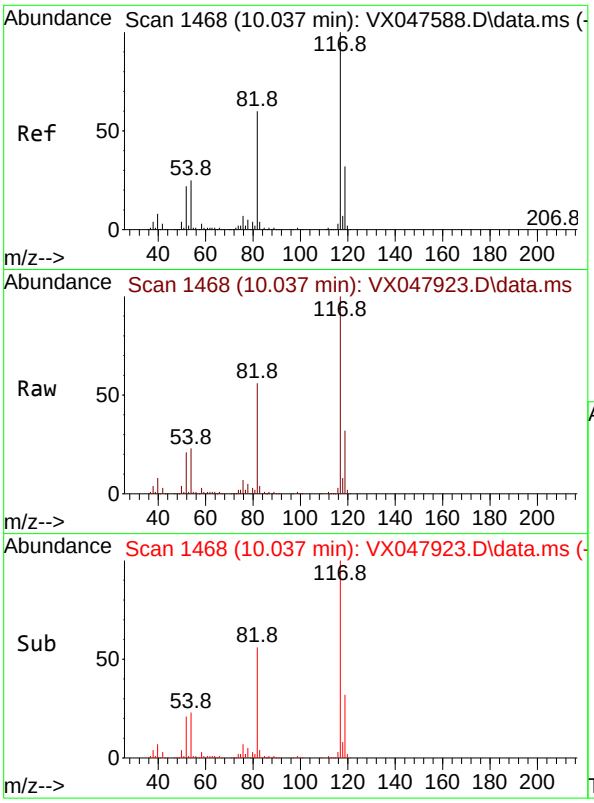


#62
4-Bromofluorobenzene
Concen: 53.472 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 95 Resp: 112253

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 22052

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.8	71.6
119	31.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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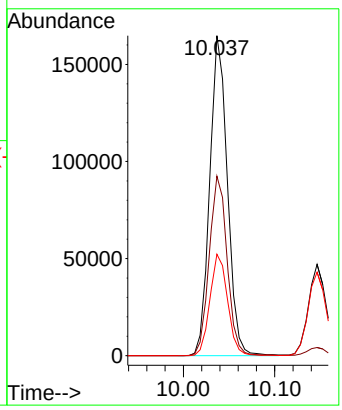
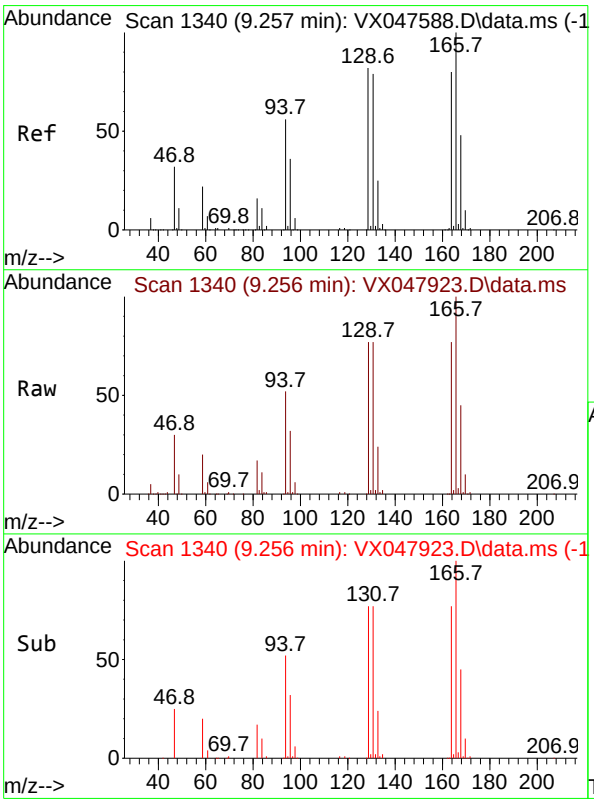
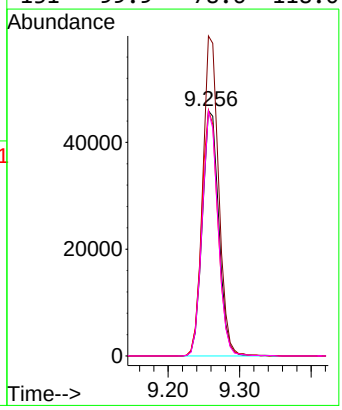


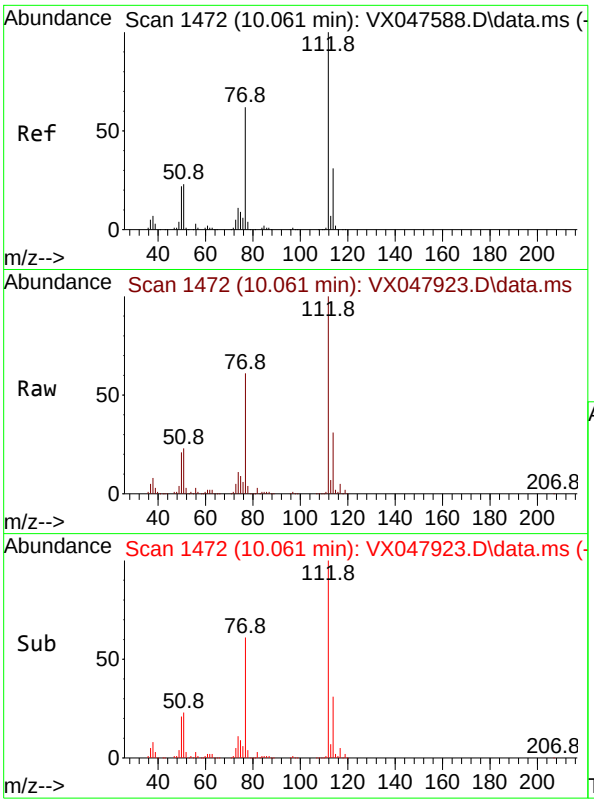


#64
Tetrachloroethene
Concen: 50.812 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:164 Resp: 73046

Ion	Ratio	Lower	Upper
164	100		
166	130.5	100.2	150.2
129	100.4	81.8	122.6
131	99.9	78.6	118.0





#65
Chlorobenzene
Concen: 51.854 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:112 Resp: 25977

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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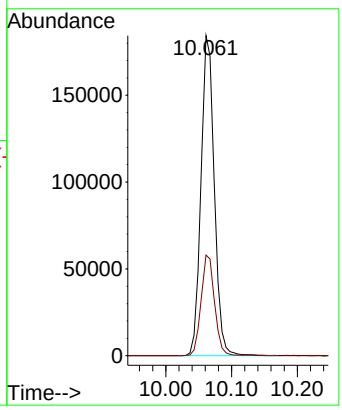
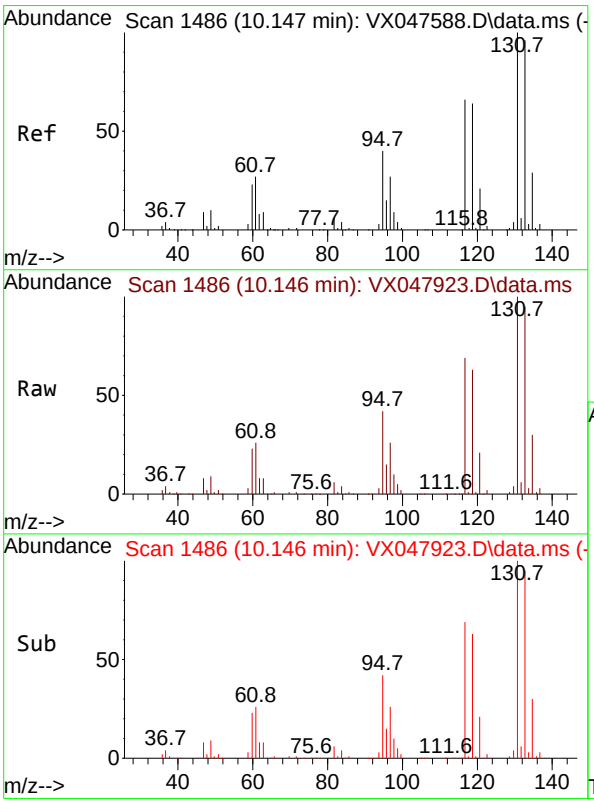
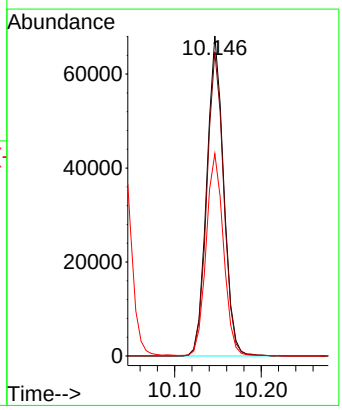


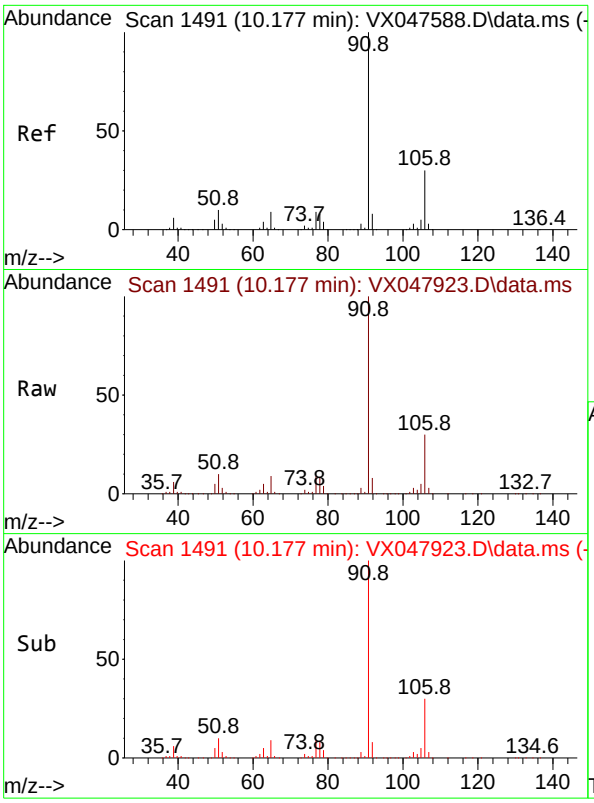


#66
1,1,1,2-Tetrachloroethane
Concen: 53.476 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:131 Resp: 92447

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	142.0
119	65.1	32.0	96.0

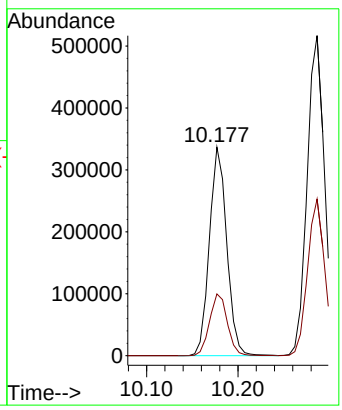




#67
Ethyl Benzene
Concen: 51.390 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 44422

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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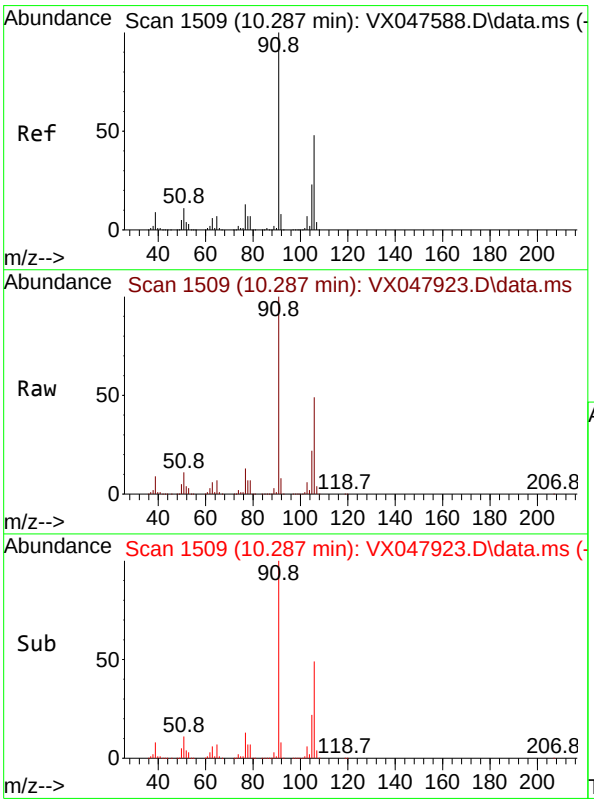
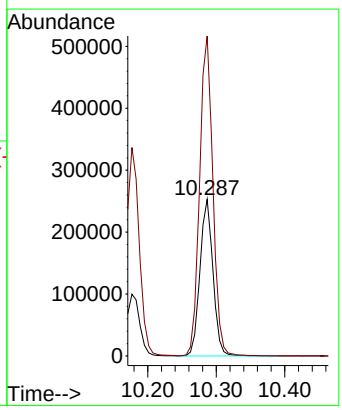
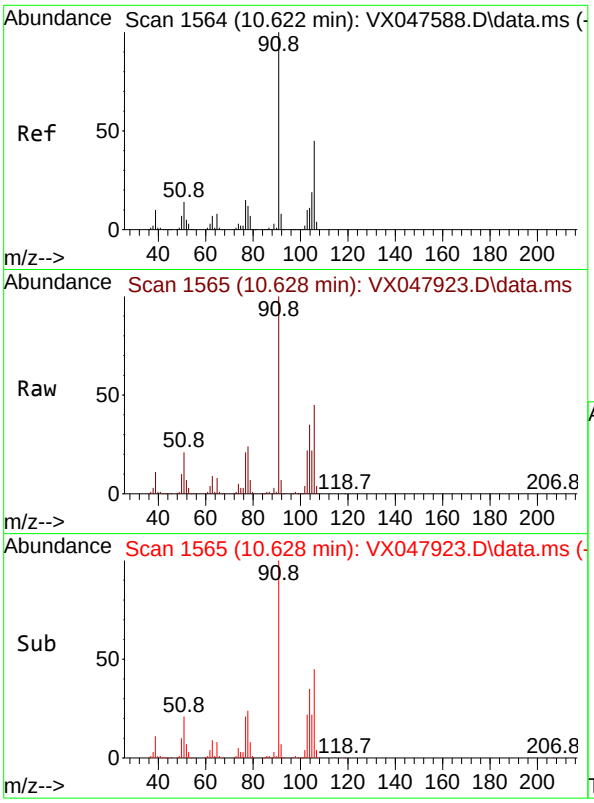


#68
m/p-Xylenes
Concen: 104.119 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:106 Resp: 334993

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8

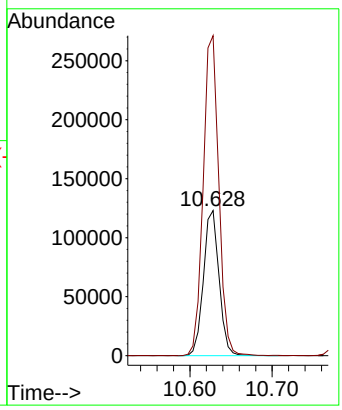




#69
o-Xylene
Concen: 52.032 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:106 Resp: 16192

Ion	Ratio	Lower	Upper
106	100		
91	220.6	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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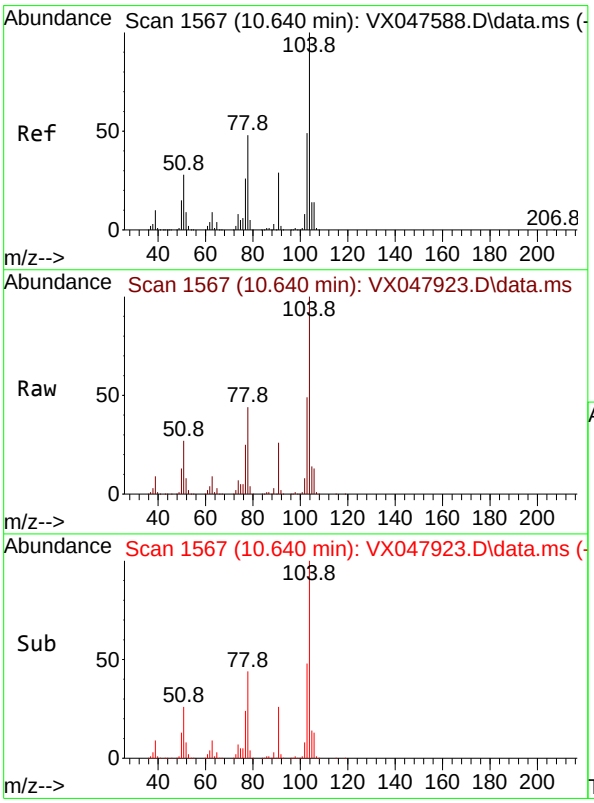
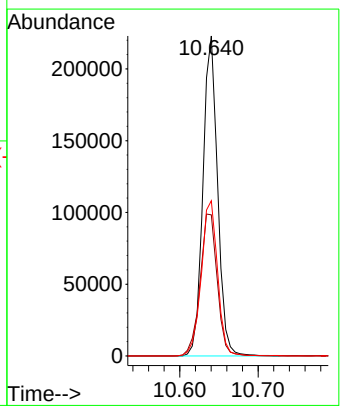
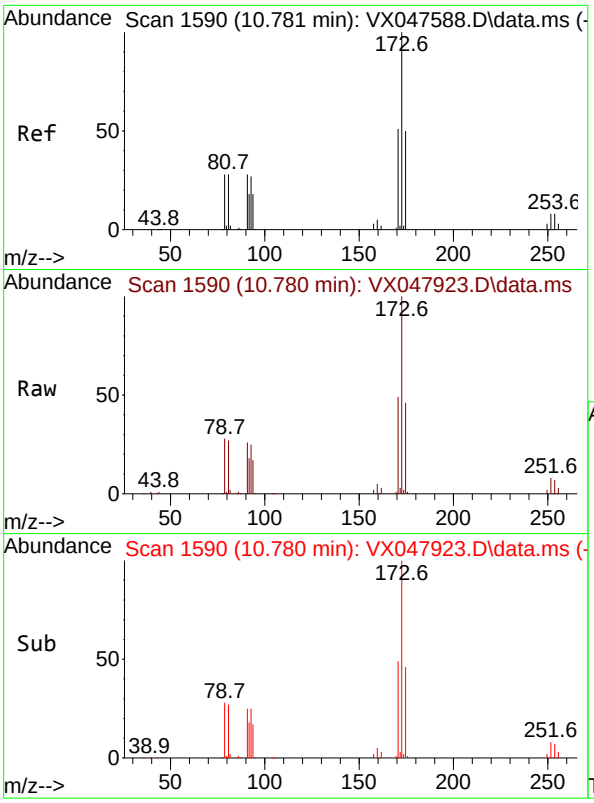


#70
Styrene
Concen: 53.035 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:104 Resp: 289190

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	54.1	43.1	64.7

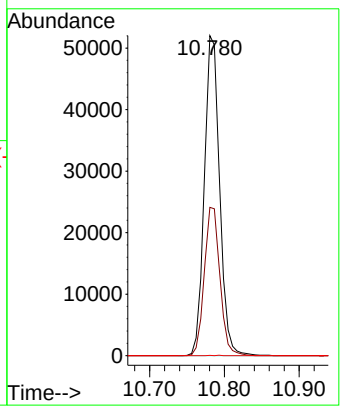




#71
Bromoform
Concen: 57.212 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:173 Resp: 7385

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
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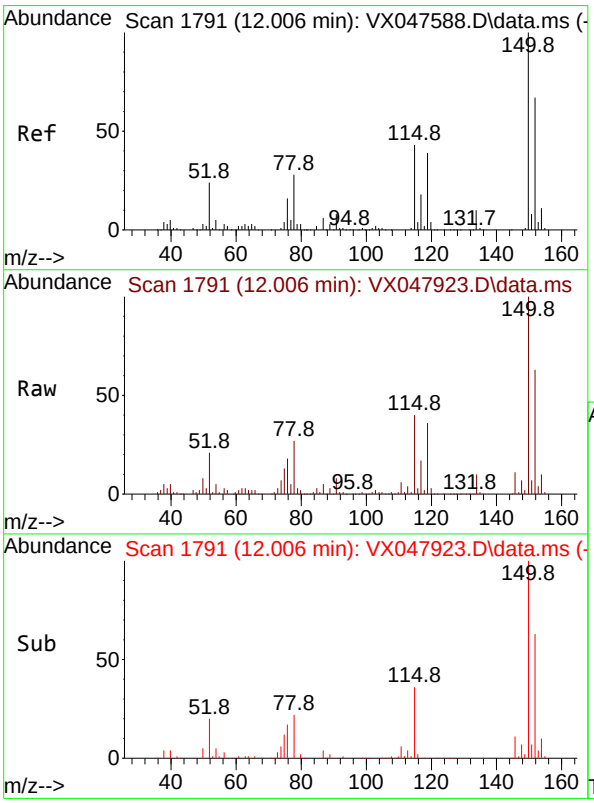
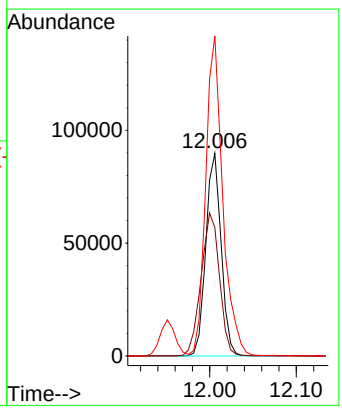
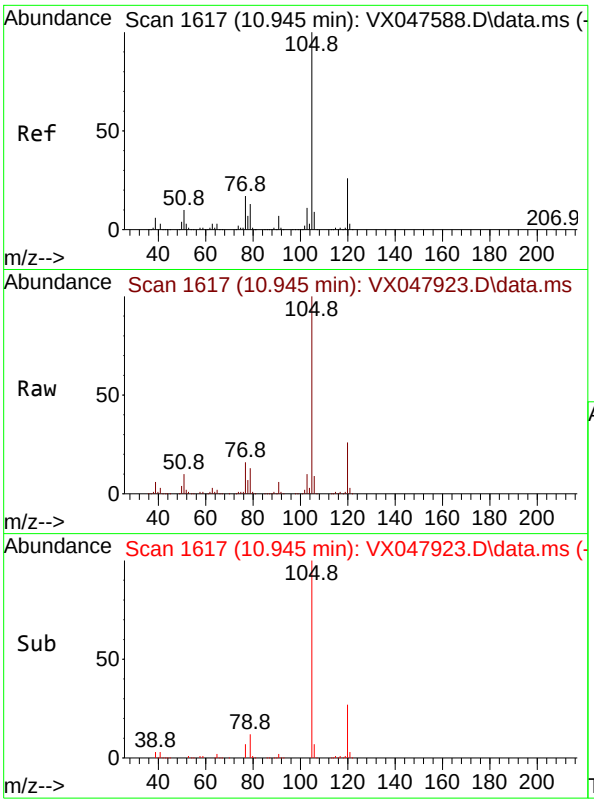


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:152 Resp: 110310

Ion	Ratio	Lower	Upper
152	100		
115	85.0	44.9	134.5
150	176.2	0.0	352.0

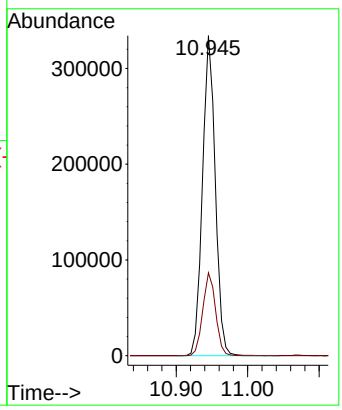




#73
Isopropylbenzene
Concen: 49.469 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 41487

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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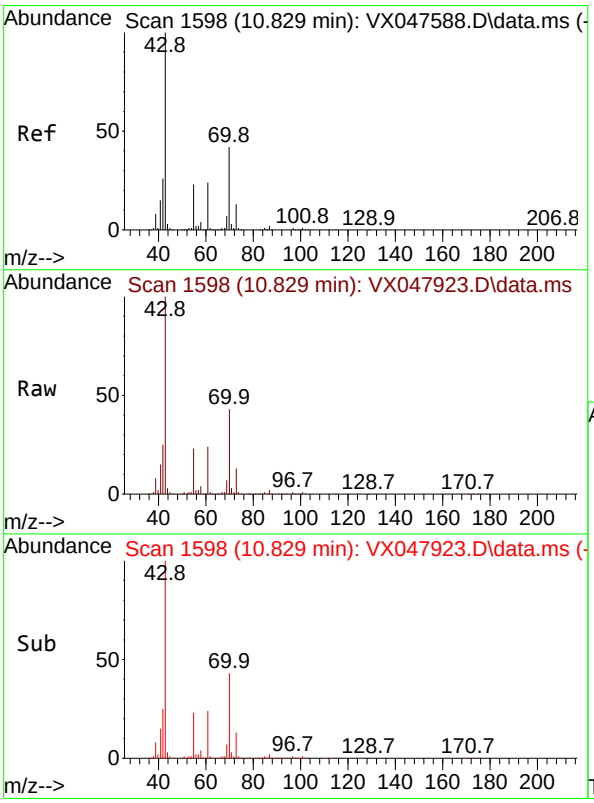
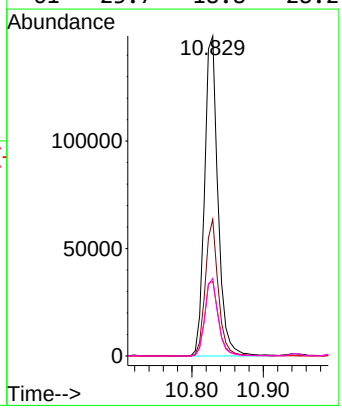
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

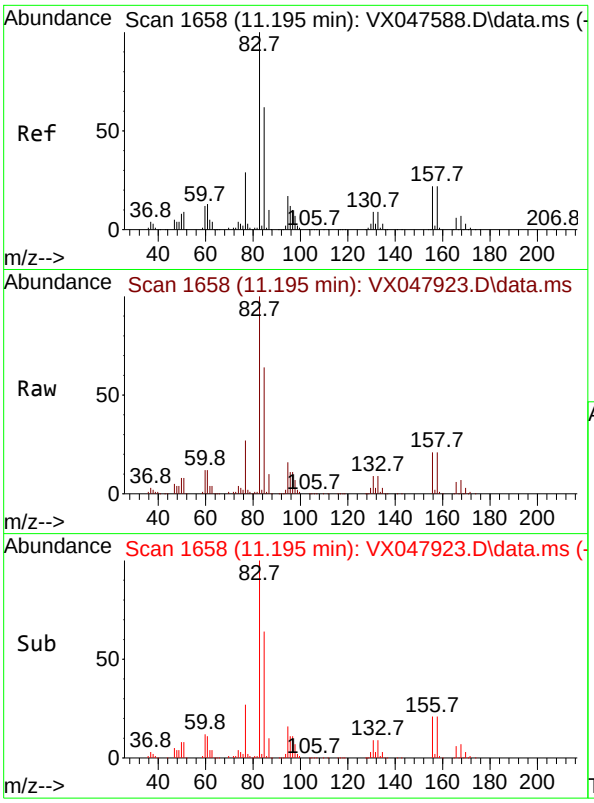


#74
N-amyl acetate
Concen: 50.866 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 194530

Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.0	48.0
55	24.2	18.9	28.3
61	23.7	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 54.611 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 13856

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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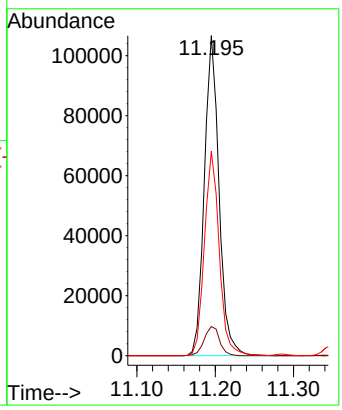
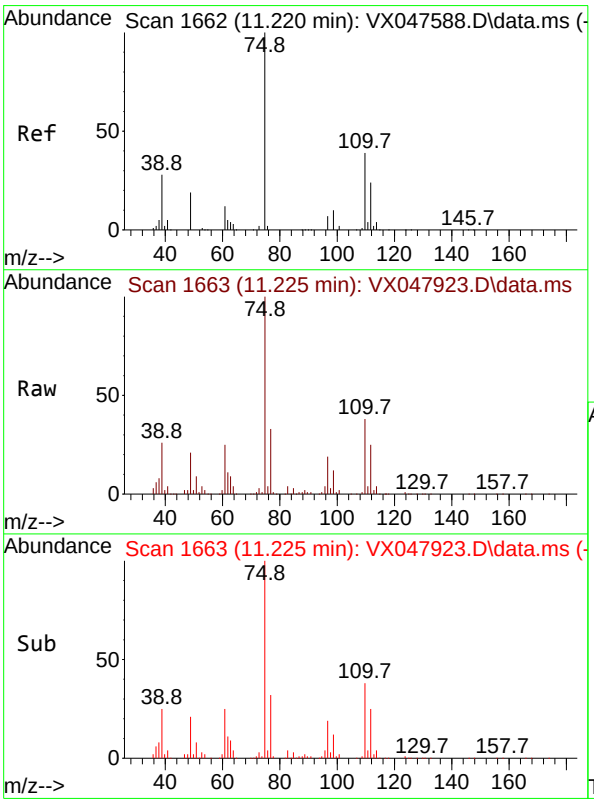
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

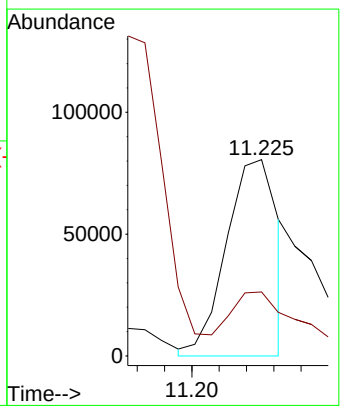


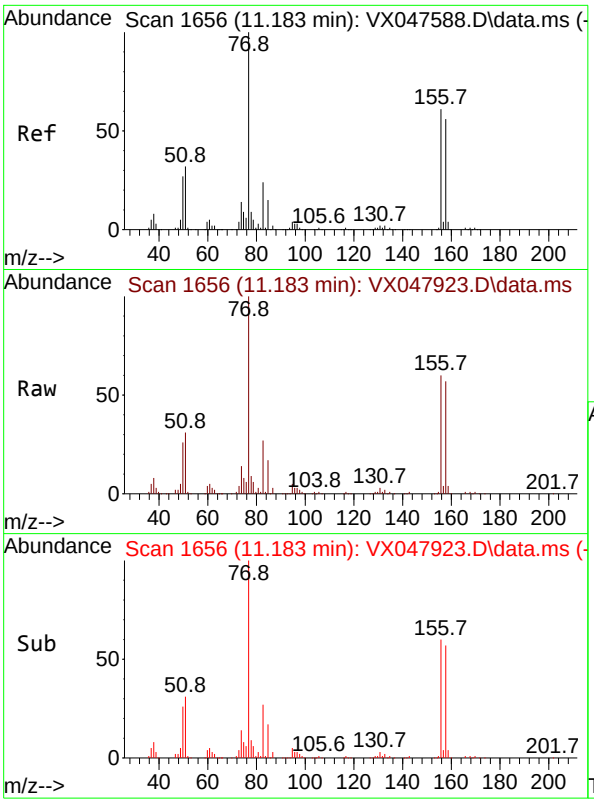


#76
1,2,3-Trichloropropane
Concen: 47.156 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 105320

Ion	Ratio	Lower	Upper
75	100		
77	43.7	18.8	56.4





#77
Bromobenzene
Concen: 50.251 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:156 Resp: 10379

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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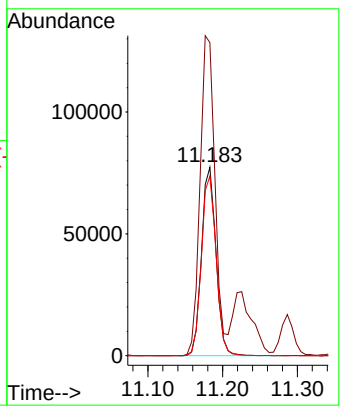
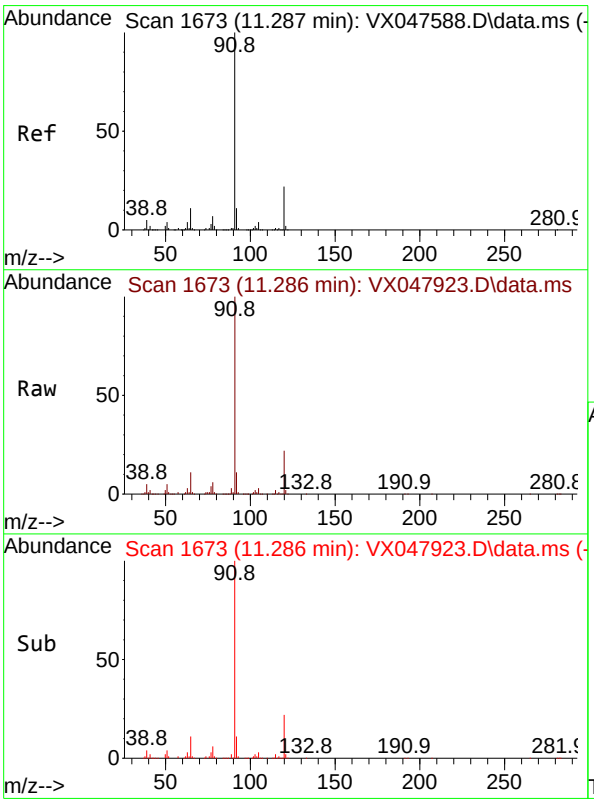
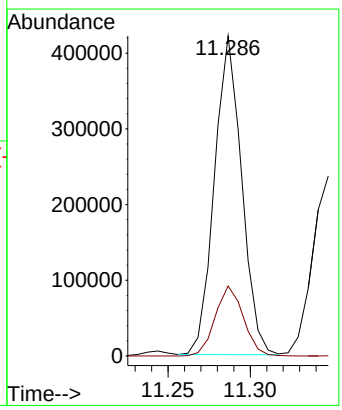


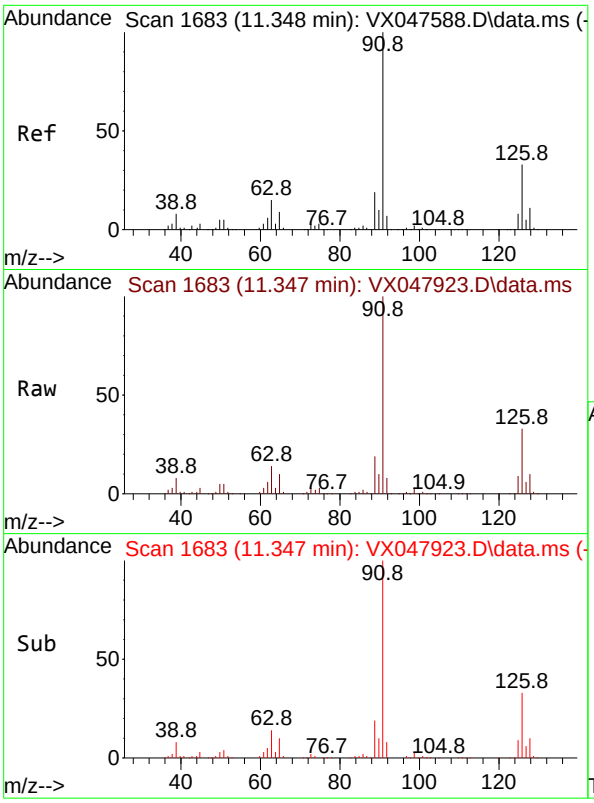


#78
n-propylbenzene
Concen: 49.015 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 485929

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.224 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 29889

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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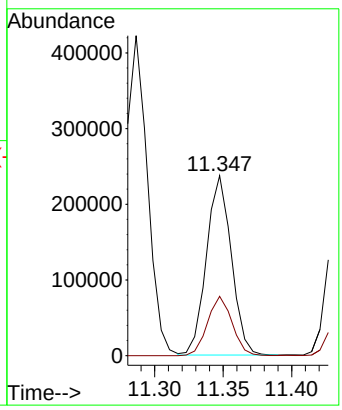
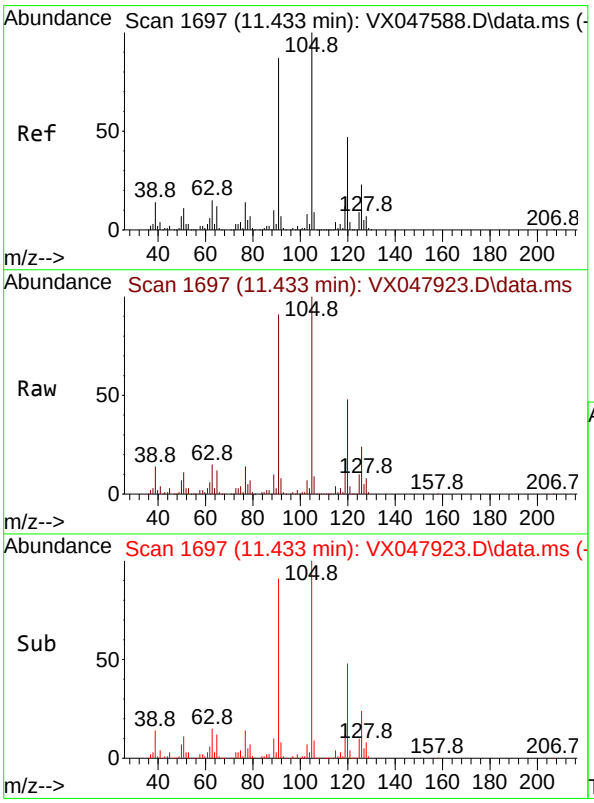
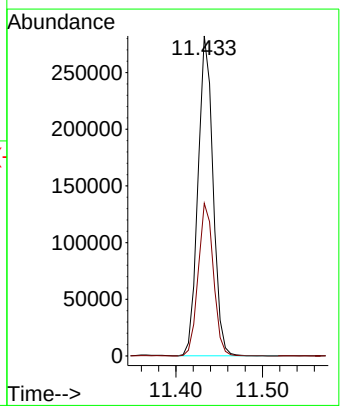


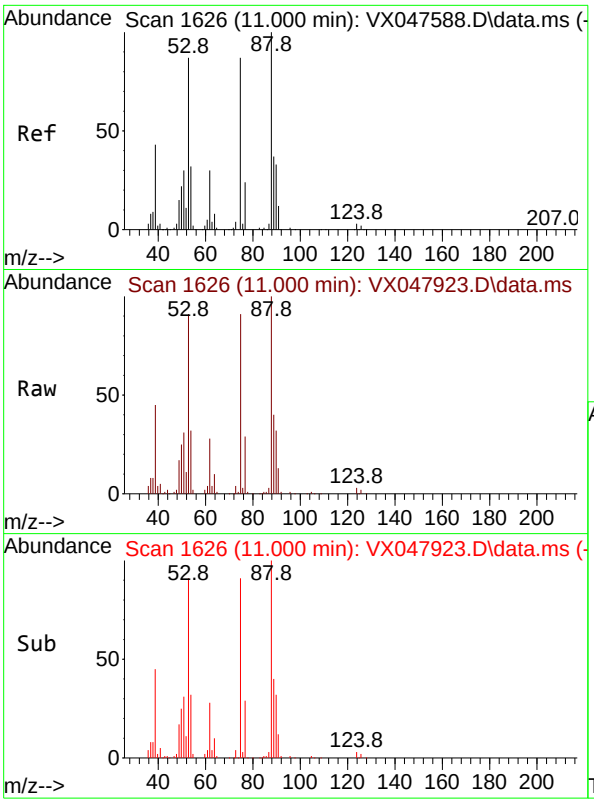


#80
1,3,5-Trimethylbenzene
Concen: 49.255 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 339378

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 46.075 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 4035

Ion	Ratio	Lower	Upper
75	100		
53	105.1	83.4	125.2
89	45.6	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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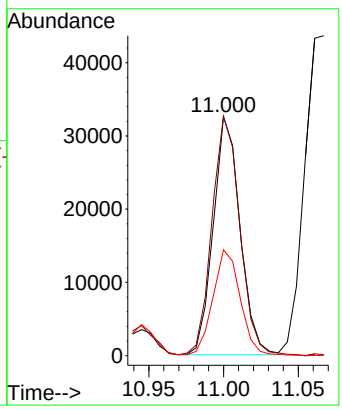
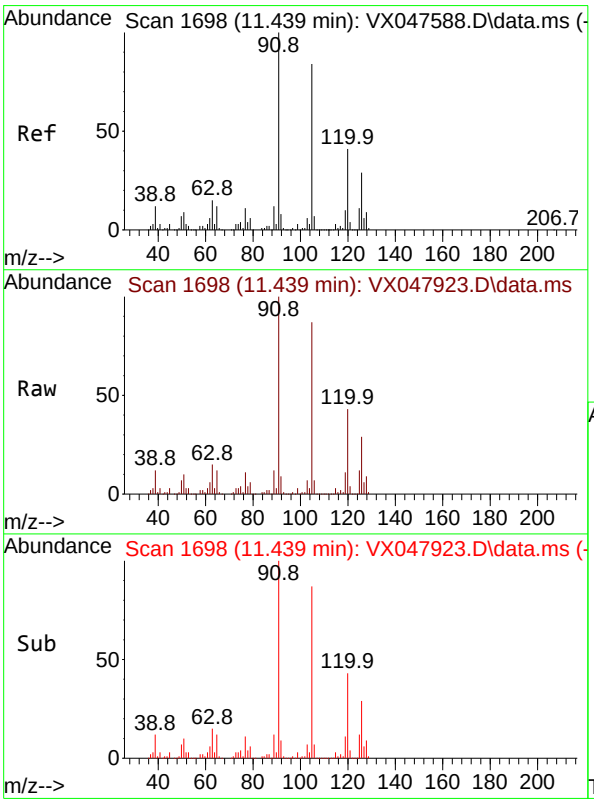
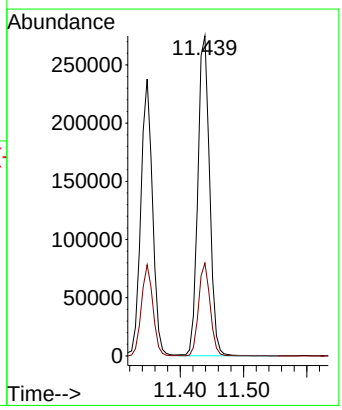


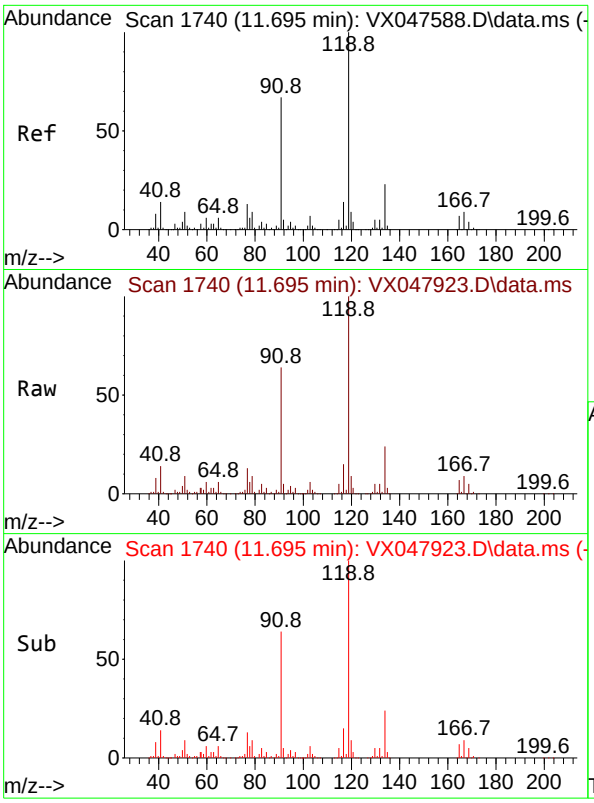


#82
4-Chlorotoluene
Concen: 49.640 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 355988

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

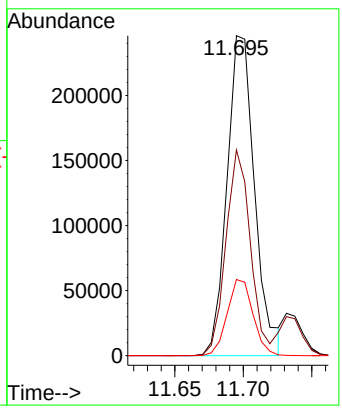




#83
tert-Butylbenzene
Concen: 49.053 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:119 Resp: 34598

Ion	Ratio	Lower	Upper
119	100		
91	57.0	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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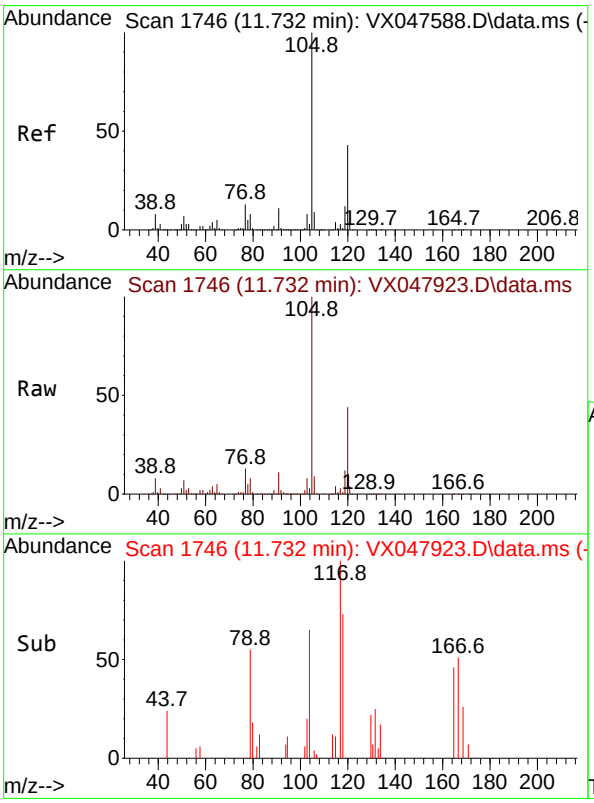
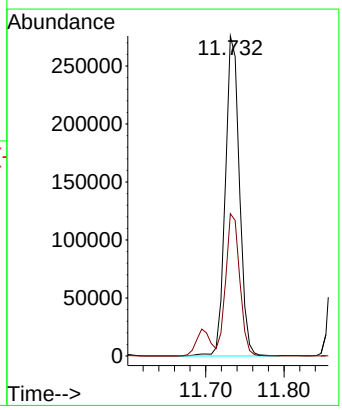
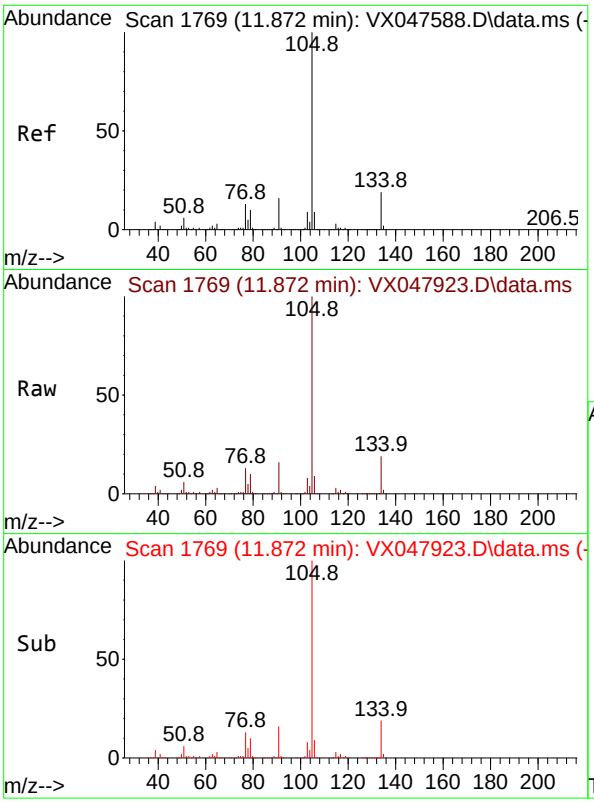


#84
1,2,4-Trimethylbenzene
Concen: 49.536 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 346035

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

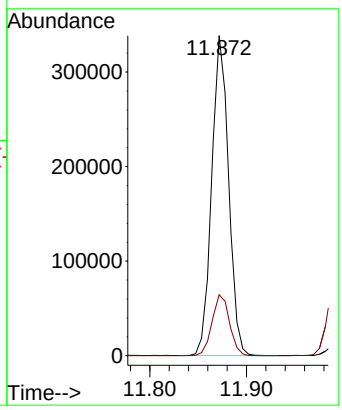




#85
sec-Butylbenzene
Concen: 48.913 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 40979

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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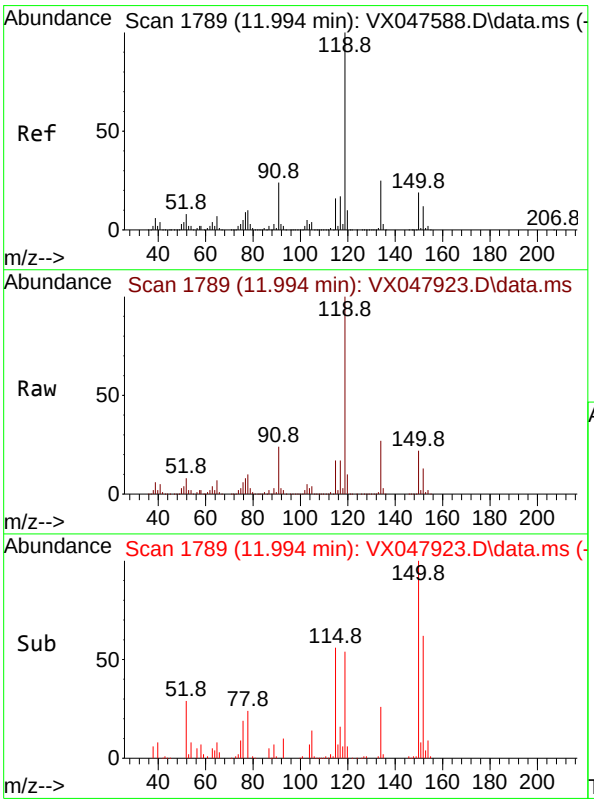
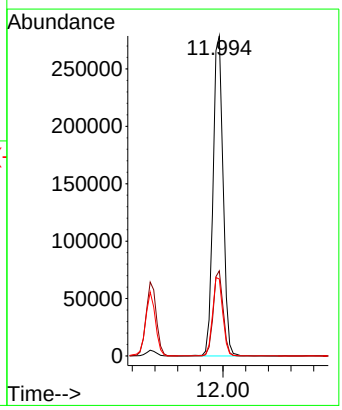
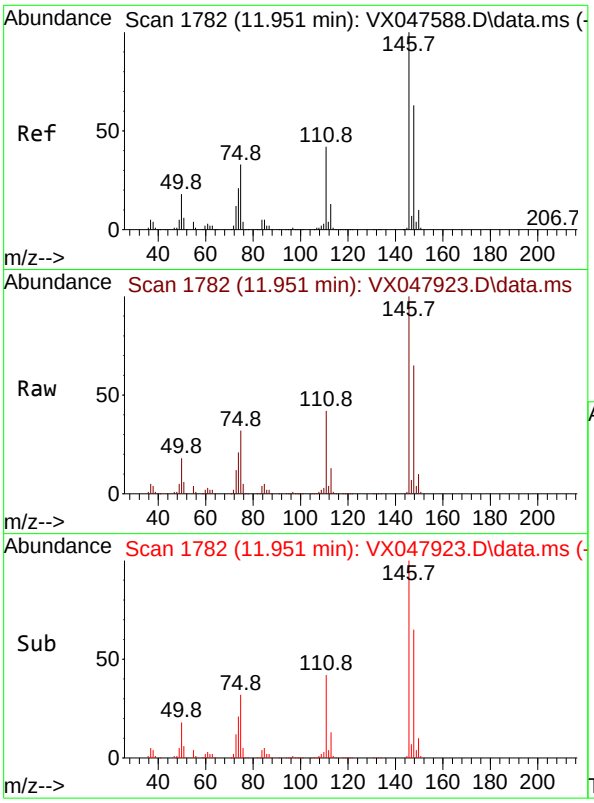


#86
p-Isopropyltoluene
Concen: 48.250 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:119 Resp: 342231

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	24.9	12.6	37.6

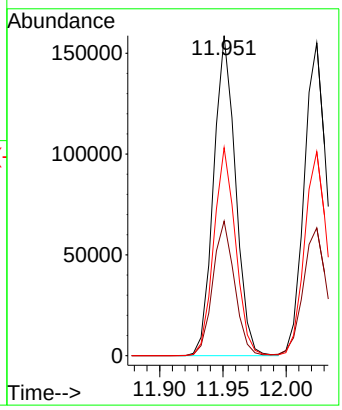




#87
1,3-Dichlorobenzene
Concen: 49.812 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 19110

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	64.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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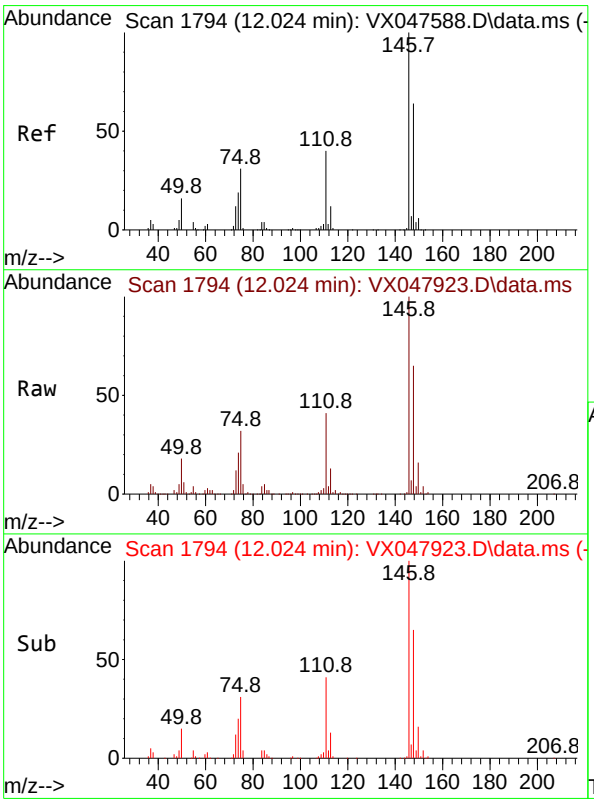
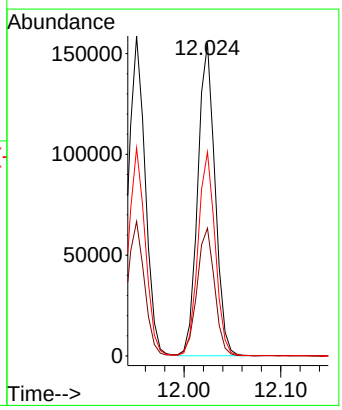
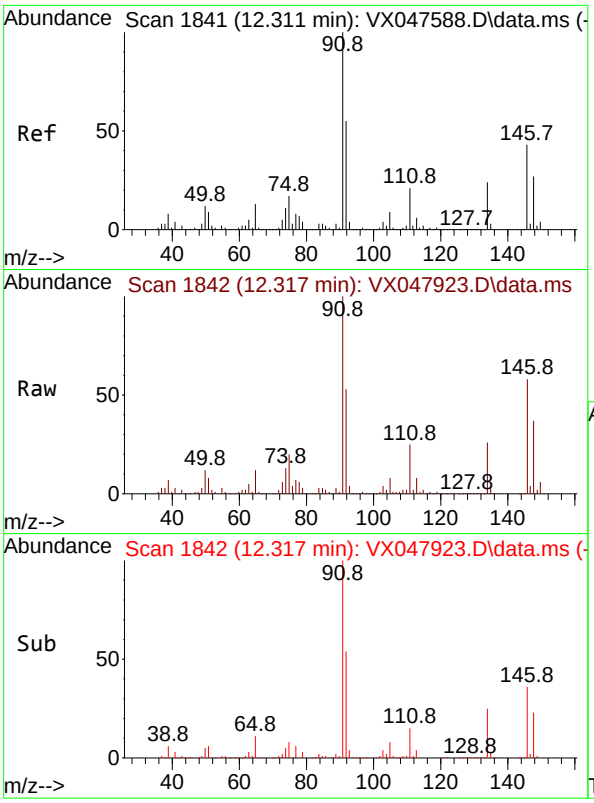


#88
1,4-Dichlorobenzene
Concen: 49.006 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 192965

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.7	31.7	95.1

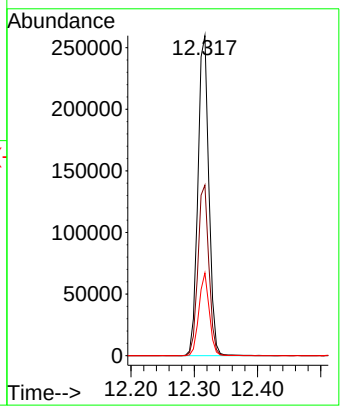




#89
n-Butylbenzene
Concen: 47.651 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 31273

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	24.5	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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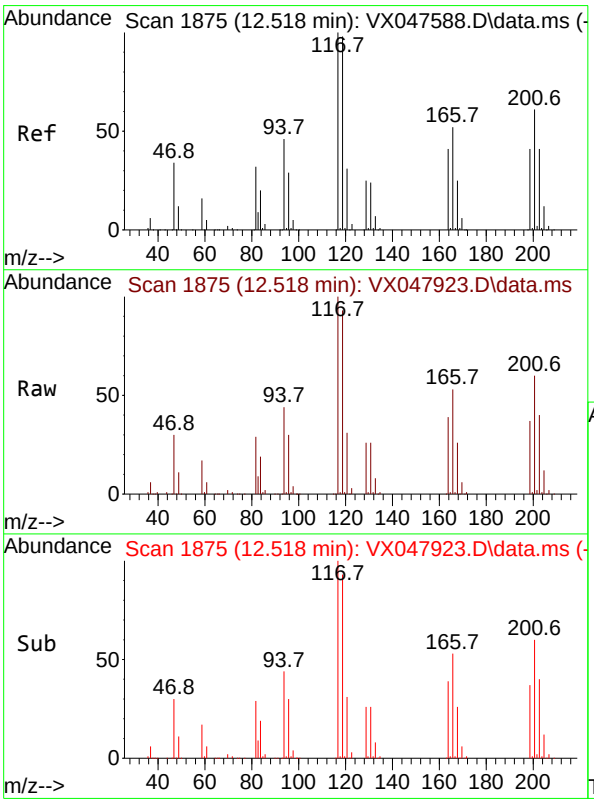
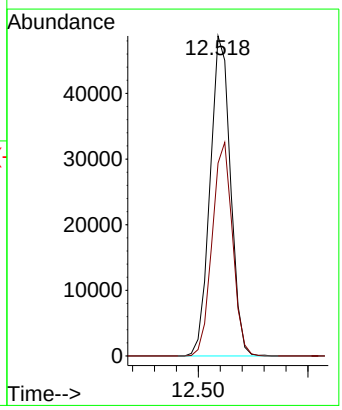
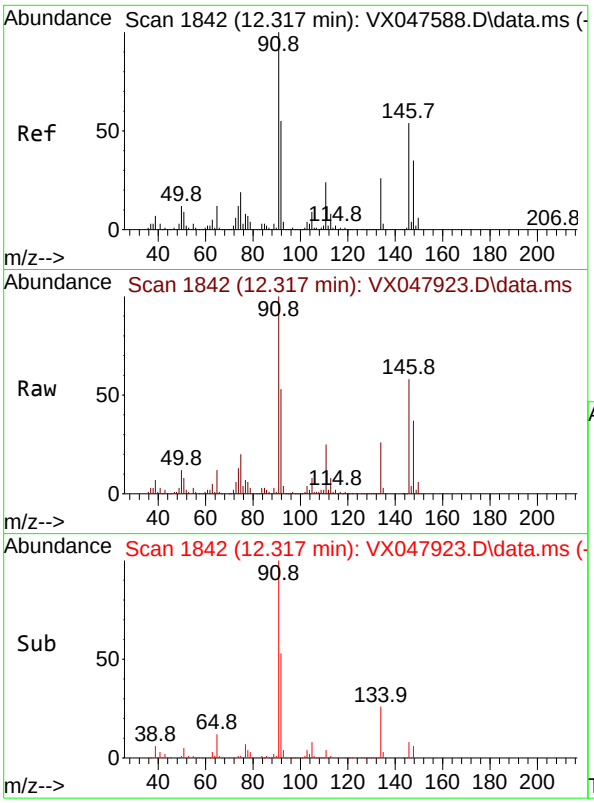


#90
Hexachloroethane
Concen: 50.578 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 62984

Ion	Ratio	Lower	Upper
117	100		
201	66.4	34.2	102.5

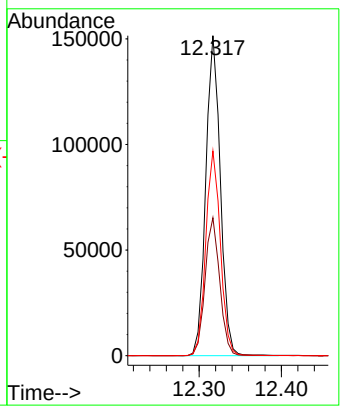




#91
1,2-Dichlorobenzene
Concen: 50.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 18618

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	64.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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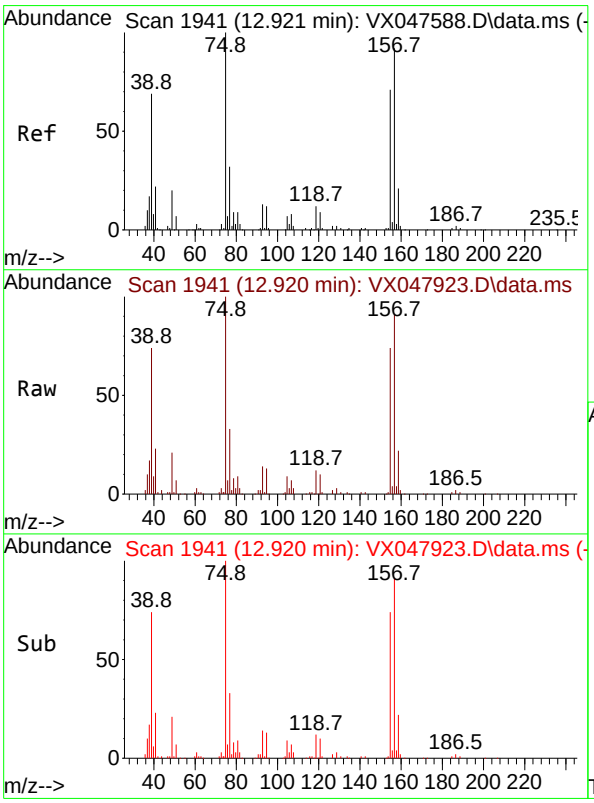
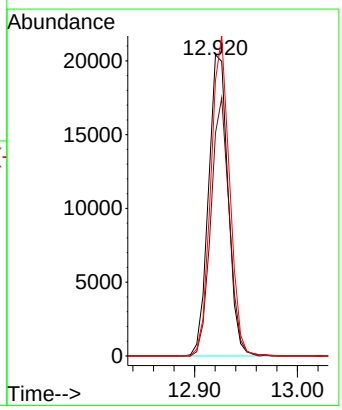
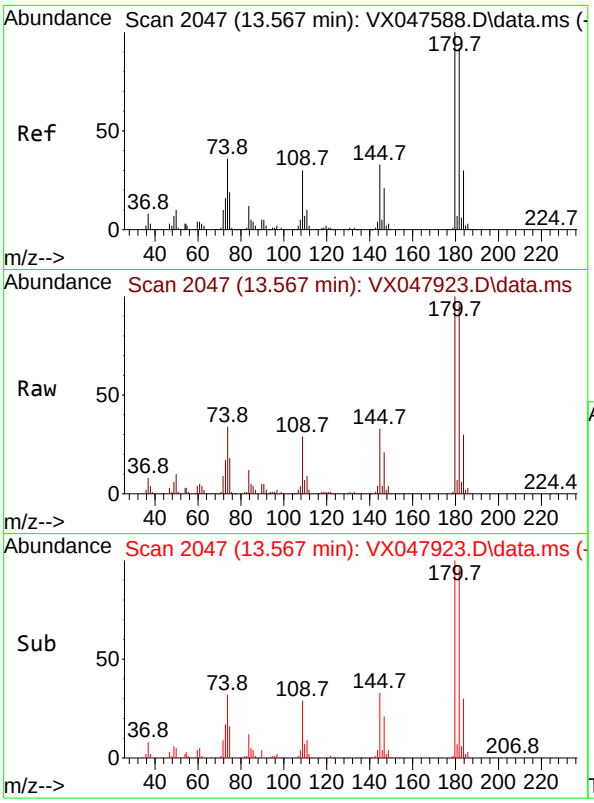


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.467 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 26953

Ion	Ratio	Lower	Upper
75	100		
155	80.5	37.7	113.1
157	101.3	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 47.467 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

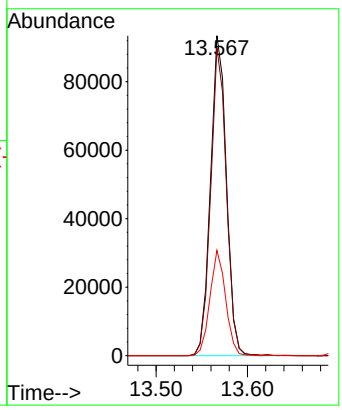
Tgt Ion:180 Resp: 11275

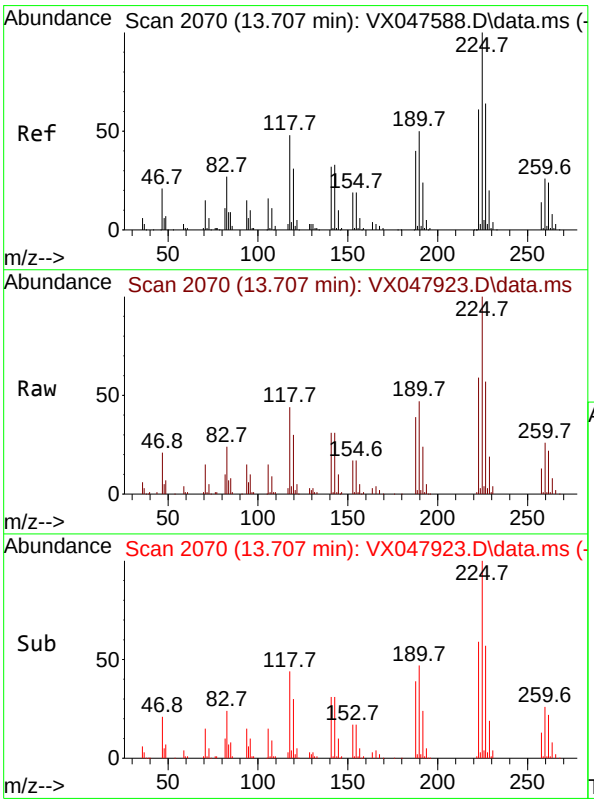
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	32.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

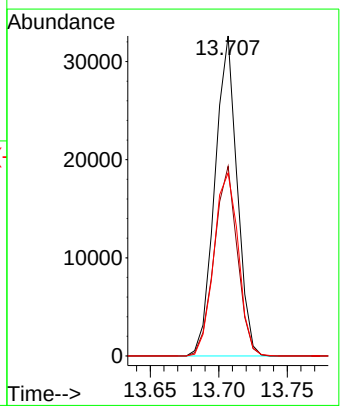


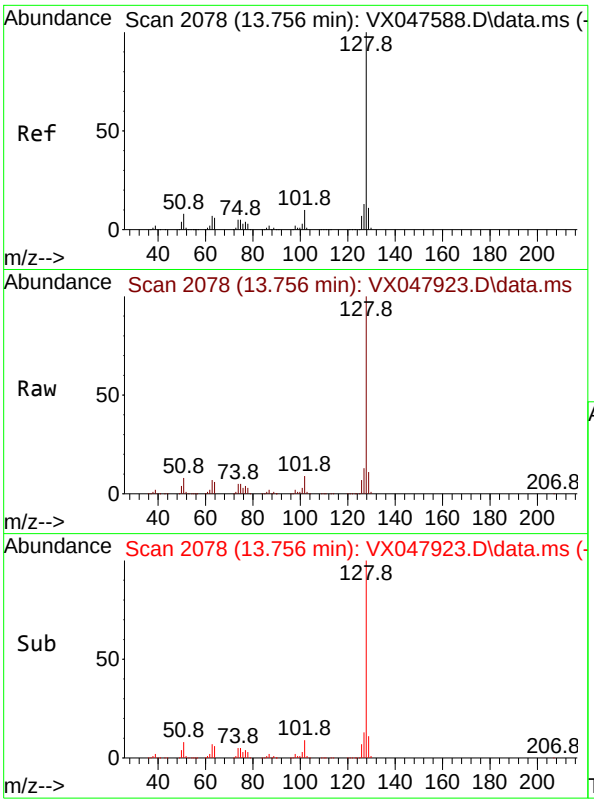


#94
Hexachlorobutadiene
Concen: 45.550 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:225 Resp: 36753

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.1	32.0	96.0

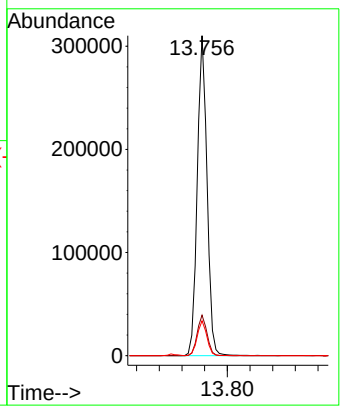




#95
Naphthalene
Concen: 51.160 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:128 Resp: 37006

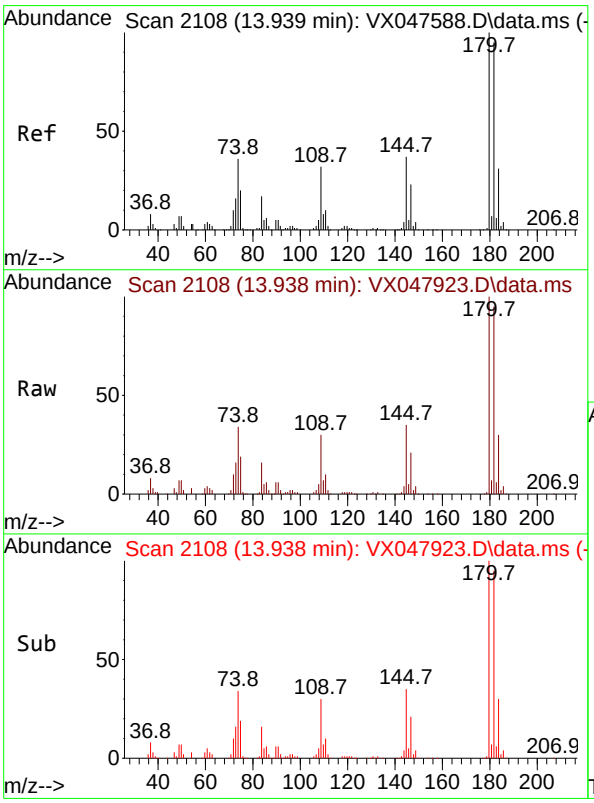
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

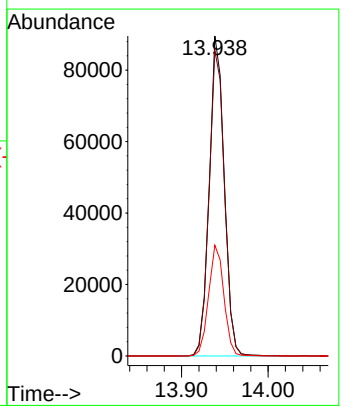
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.861 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:180 Resp: 107969

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	35.1	17.9	53.7



Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	76	0.00
2	T	Dichlorodifluoromethane	0.518	0.582	-12.4	89	0.00
3	P	Chloromethane	0.680	0.702	-3.2	81	0.00
4	C	Vinyl Chloride	0.666	0.724	-8.7#	84	0.00
5	T	Bromomethane	0.422	0.460	-9.0	83	0.00
6	T	Chloroethane	0.445	0.493	-10.8	85	0.00
7	T	Trichlorofluoromethane	0.989	1.079	-9.1	83	0.00
8	T	Diethyl Ether	0.405	0.448	-10.6	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.633	-9.5	83	0.00
10	T	Methyl Iodide	0.902	0.790	12.4	66	0.00
11	T	Tert butyl alcohol	0.089	0.092	-3.4	79	0.00
12	CM	1,1-Dichloroethene	0.594	0.646	-8.8#	82	0.00
13	T	Acrolein	0.082	0.086	-4.9	81	0.00
14	T	Allyl chloride	1.226	1.229	-0.2	78	0.00
15	T	Acrylonitrile	0.328	0.405	-23.5	89	0.00
16	T	Acetone	0.346	0.315	9.0	76	0.00
17	T	Carbon Disulfide	1.626	1.655	-1.8	81	0.00
18	T	Methyl Acetate	0.770	1.002	-30.1#	87	0.00
19	T	Methyl tert-butyl Ether	2.169	2.399	-10.6	82	0.00
20	T	Methylene Chloride	0.732	0.814	-11.2	85	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.698	-9.1	82	0.00
22	T	Diisopropyl ether	2.376	2.659	-11.9	82	0.00
23	T	Vinyl Acetate	1.901	2.130	-12.0	82	0.00
24	P	1,1-Dichloroethane	1.263	1.405	-11.2	83	0.00
25	T	2-Butanone	0.432	0.482	-11.6	84	0.00
26	T	2,2-Dichloropropane	1.050	0.889	15.3	64	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.858	-9.6	81	0.00
28	T	Bromochloromethane	0.551	0.591	-7.3	78	0.00
29	T	Tetrahydrofuran	0.260	0.306	-17.7	85	0.00
30	C	Chloroform	1.276	1.447	-13.4#	84	0.00
31	T	Cyclohexane	1.052	1.031	2.0	77	0.00
32	T	1,1,1-Trichloroethane	1.082	1.173	-8.4	80	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.844	-6.0	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.335	0.363	-8.4	85	0.00
36	T	1,1-Dichloropropene	0.490	0.486	0.8	77	0.00
37	T	Ethyl Acetate	0.525	0.574	-9.3	84	0.00
38	T	Carbon Tetrachloride	0.532	0.541	-1.7	78	0.00
39	T	Methylcyclohexane	0.556	0.532	4.3	73	0.00
40	TM	Benzene	1.488	1.614	-8.5	82	0.00
41	T	Methacrylonitrile	0.271	0.309	-14.0	84	0.00
42	TM	1,2-Dichloroethane	0.566	0.612	-8.1	82	0.00
43	T	Isopropyl Acetate	0.860	0.941	-9.4	81	0.00
44	TM	Trichloroethene	0.360	0.387	-7.5	81	0.00
45	C	1,2-Dichloropropane	0.381	0.430	-12.9#	84	0.00
46	T	Dibromomethane	0.277	0.306	-10.5	82	0.00
47	T	Bromodichloromethane	0.572	0.640	-11.9	82	0.00
48	T	Methyl methacrylate	0.429	0.476	-11.0	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.006	-50.0#	91	0.00
50	S	Toluene-d8	1.160	1.231	-6.1	83	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.570	-19.5	87	0.00
52	CM	Toluene	0.917	0.985	-7.4#	81	0.00
53	T	t-1,3-Dichloropropene	0.584	0.607	-3.9	76	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.661	-5.9	78	0.00
55	T	1,1,2-Trichloroethane	0.354	0.403	-13.8	85	0.00
56	T	Ethyl methacrylate	0.555	0.629	-13.3	81	0.00
57	T	1,3-Dichloropropane	0.607	0.690	-13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.323	-42.3#	92	0.00
59	T	2-Hexanone	0.343	0.395	-15.2	85	0.00
60	T	Dibromochloromethane	0.407	0.472	-16.0	84	0.00
61	T	1,2-Dibromoethane	0.360	0.422	-17.2	86	0.00
62	S	4-Bromofluorobenzene	0.440	0.471	-7.0	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.326	0.331	-1.5	83	0.00
65	PM	Chlorobenzene	1.136	1.178	-3.7	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.419	-6.9	83	0.00
67	C	Ethyl Benzene	1.960	2.014	-2.8#	81	0.00
68	T	m/p-Xylenes	0.729	0.760	-4.3	81	0.00
69	T	o-Xylene	0.706	0.734	-4.0	80	0.00
70	T	Styrene	1.236	1.311	-6.1	82	0.00
71	P	Bromoform	0.293	0.335	-14.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.801	3.761	1.1	80	0.00
74	T	N-amyl acetate	1.733	1.763	-1.7	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.256	-9.2	89	0.00
76	T	1,2,3-Trichloropropane	1.012	0.955	5.6	73	0.00
77	T	Bromobenzene	0.936	0.941	-0.5	82	0.00
78	T	n-propylbenzene	4.494	4.405	2.0	79	0.00
79	T	2-Chlorotoluene	2.752	2.710	1.5	80	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.077	1.5	79	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.366	7.8	76	0.00
82	T	4-Chlorotoluene	3.251	3.227	0.7	81	0.00
83	T	tert-Butylbenzene	3.197	3.136	1.9	81	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.137	0.9	81	0.00
85	T	sec-Butylbenzene	3.797	3.715	2.2	80	0.00
86	T	p-Isopropyltoluene	3.215	3.102	3.5	78	0.00
87	T	1,3-Dichlorobenzene	1.739	1.732	0.4	82	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	82	0.00
89	T	n-Butylbenzene	2.975	2.835	4.7	78	0.00
90	T	Hexachloroethane	0.564	0.571	-1.2	83	0.00
91	T	1,2-Dichlorobenzene	1.657	1.688	-1.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.244	-4.7	83	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.022	5.1	76	0.00
94	T	Hexachlorobutadiene	0.366	0.333	9.0	75	0.00
95	T	Naphthalene	3.279	3.355	-2.3	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.979	2.3	78	0.00

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

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	76	0.00
2	T	Dichlorodifluoromethane	50.000	56.170	-12.3	89	0.00
3	P	Chloromethane	50.000	51.557	-3.1	81	0.00
4	C	Vinyl Chloride	50.000	54.366	-8.7#	84	0.00
5	T	Bromomethane	50.000	54.463	-8.9	83	0.00
6	T	Chloroethane	50.000	55.314	-10.6	85	0.00
7	T	Trichlorofluoromethane	50.000	54.566	-9.1	83	0.00
8	T	Diethyl Ether	50.000	55.414	-10.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.709	-9.4	83	0.00
10	T	Methyl Iodide	50.000	43.794	12.4	66	0.00
11	T	Tert butyl alcohol	250.000	258.604	-3.4	79	0.00
12	CM	1,1-Dichloroethene	50.000	54.342	-8.7#	82	0.00
13	T	Acrolein	250.000	264.445	-5.8	81	0.00
14	T	Allyl chloride	50.000	50.135	-0.3	78	0.00
15	T	Acrylonitrile	250.000	308.592	-23.4	89	0.00
16	T	Acetone	250.000	227.831	8.9	76	0.00
17	T	Carbon Disulfide	50.000	50.887	-1.8	81	0.00
18	T	Methyl Acetate	50.000	65.067	-30.1#	87	0.00
19	T	Methyl tert-butyl Ether	50.000	55.306	-10.6	82	0.00
20	T	Methylene Chloride	50.000	55.546	-11.1	85	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.552	-9.1	82	0.00
22	T	Diisopropyl ether	50.000	55.966	-11.9	82	0.00
23	T	Vinyl Acetate	250.000	280.091	-12.0	82	0.00
24	P	1,1-Dichloroethane	50.000	55.634	-11.3	83	0.00
25	T	2-Butanone	250.000	279.147	-11.7	84	0.00
26	T	2,2-Dichloropropane	50.000	42.330	15.3	64	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.761	-9.5	81	0.00
28	T	Bromochloromethane	50.000	53.604	-7.2	78	0.00
29	T	Tetrahydrofuran	250.000	294.905	-18.0	85	0.00
30	C	Chloroform	50.000	56.689	-13.4#	84	0.00
31	T	Cyclohexane	50.000	49.011	2.0	77	0.00
32	T	1,1,1-Trichloroethane	50.000	54.189	-8.4	80	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.045	-6.1	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	54.153	-8.3	85	0.00
36	T	1,1-Dichloropropene	50.000	49.637	0.7	77	0.00
37	T	Ethyl Acetate	50.000	54.746	-9.5	84	0.00
38	T	Carbon Tetrachloride	50.000	50.785	-1.6	78	0.00
39	T	Methylcyclohexane	50.000	47.806	4.4	73	0.00
40	TM	Benzene	50.000	54.213	-8.4	82	0.00
41	T	Methacrylonitrile	50.000	57.078	-14.2	84	0.00
42	TM	1,2-Dichloroethane	50.000	54.079	-8.2	82	0.00
43	T	Isopropyl Acetate	50.000	54.708	-9.4	81	0.00
44	TM	Trichloroethene	50.000	53.847	-7.7	81	0.00
45	C	1,2-Dichloropropane	50.000	56.471	-12.9#	84	0.00
46	T	Dibromomethane	50.000	55.099	-10.2	82	0.00
47	T	Bromodichloromethane	50.000	55.883	-11.8	82	0.00
48	T	Methyl methacrylate	50.000	55.472	-10.9	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1305.423	-30.5#	91	0.00
50	S	Toluene-d8	50.000	53.040	-6.1	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	298.935	-19.6	87	0.00
52	CM	Toluene	50.000	53.729	-7.5#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	52.010	-4.0	76	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.943	-5.9	78	0.00
55	T	1,1,2-Trichloroethane	50.000	56.947	-13.9	85	0.00
56	T	Ethyl methacrylate	50.000	56.599	-13.2	81	0.00
57	T	1,3-Dichloropropane	50.000	56.837	-13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	300.103	-20.0	92	0.00
59	T	2-Hexanone	250.000	287.896	-15.2	85	0.00
60	T	Dibromochloromethane	50.000	57.958	-15.9	84	0.00
61	T	1,2-Dibromoethane	50.000	58.588	-17.2	86	0.00
62	S	4-Bromofluorobenzene	50.000	53.472	-6.9	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	50.812	-1.6	83	0.00
65	PM	Chlorobenzene	50.000	51.854	-3.7	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.476	-7.0	83	0.00
67	C	Ethyl Benzene	50.000	51.390	-2.8#	81	0.00
68	T	m/p-Xylenes	100.000	104.119	-4.1	81	0.00
69	T	o-Xylene	50.000	52.032	-4.1	80	0.00
70	T	Styrene	50.000	53.035	-6.1	82	0.00
71	P	Bromoform	50.000	57.212	-14.4	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	49.469	1.1	80	0.00
74	T	N-amyl acetate	50.000	50.866	-1.7	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.611	-9.2	89	0.00
76	T	1,2,3-Trichloropropane	50.000	47.156	5.7	73	0.00
77	T	Bromobenzene	50.000	50.251	-0.5	82	0.00
78	T	n-propylbenzene	50.000	49.015	2.0	79	0.00
79	T	2-Chlorotoluene	50.000	49.224	1.6	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.255	1.5	79	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.075	7.8	76	0.00
82	T	4-Chlorotoluene	50.000	49.640	0.7	81	0.00
83	T	tert-Butylbenzene	50.000	49.053	1.9	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.536	0.9	81	0.00
85	T	sec-Butylbenzene	50.000	48.913	2.2	80	0.00
86	T	p-Isopropyltoluene	50.000	48.250	3.5	78	0.00
87	T	1,3-Dichlorobenzene	50.000	49.812	0.4	82	0.00
88	T	1,4-Dichlorobenzene	50.000	49.006	2.0	82	0.00
89	T	n-Butylbenzene	50.000	47.651	4.7	78	0.00
90	T	Hexachloroethane	50.000	50.578	-1.2	83	0.00
91	T	1,2-Dichlorobenzene	50.000	50.939	-1.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.467	-4.9	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.467	5.1	76	0.00
94	T	Hexachlorobutadiene	50.000	45.550	8.9	75	0.00
95	T	Naphthalene	50.000	51.160	-2.3	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	48.861	2.3	78	0.00

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

Raw Data: **VX047925.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3193
Instrument ID: MSVOA_X
Calibration Date/Time: 10/01/2025 08:44
Lab File ID: VX047925.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.630		21.62	20
Chloromethane	0.680	0.763	0.1	12.21	20
Vinyl Chloride	0.666	0.789		18.47	20
Bromomethane	0.422	0.481		13.98	20
Chloroethane	0.445	0.523		17.53	20
Trichlorofluoromethane	0.989	1.186		19.92	20
1,1,2-Trichlorotrifluoroethane	0.578	0.665		15.05	20
1,1-Dichloroethene	0.594	0.683		14.98	20
Acetone	0.346	0.301		-13.01	20
Carbon Disulfide	1.626	1.764		8.49	20
Methyl tert-butyl Ether	2.169	2.411		11.16	20
Methyl Acetate	0.770	0.930		20.78	20
Methylene Chloride	0.732	0.834		13.93	20
trans-1,2-Dichloroethene	0.640	0.724		13.13	20
1,1-Dichloroethane	1.263	1.467	0.1	16.15	20
Cyclohexane	1.052	1.052		0	20
2-Butanone	0.432	0.425		-1.62	20
Carbon Tetrachloride	0.532	0.565		6.2	20
cis-1,2-Dichloroethene	0.783	0.862		10.09	20
Bromochloromethane	0.551	0.703		27.59	20
Chloroform	1.276	1.485		16.38	20
1,1,1-Trichloroethane	1.082	1.218		12.57	20
Methylcyclohexane	0.556	0.533		-4.14	20
Benzene	1.488	1.619		8.8	20
1,2-Dichloroethane	0.566	0.610		7.77	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.421		10.5	20
Bromodichloromethane	0.572	0.640		11.89	20
4-Methyl-2-Pentanone	0.477	0.494		3.56	20
Toluene	0.917	0.978		6.65	20
t-1,3-Dichloropropene	0.584	0.557		-4.62	20
cis-1,3-Dichloropropene	0.624	0.610		-2.24	20
1,1,2-Trichloroethane	0.354	0.391		10.45	20
2-Hexanone	0.343	0.332		-3.21	20
Dibromochloromethane	0.407	0.464		14.01	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.357		9.51	20
Chlorobenzene	1.136	1.221	0.3	7.48	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: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date/Time: 10/01/2025 08:44

Lab File ID: VX047925.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.044		4.29	20
m/p-Xylenes	0.729	0.777		6.58	20
o-Xylene	0.706	0.754		6.8	20
Styrene	1.236	1.322		6.96	20
Bromoform	0.293	0.323	0.1	10.24	20
Isopropylbenzene	3.801	3.960		4.18	20
1,1,2,2-Tetrachloroethane	1.150	1.222	0.3	6.26	20
1,3-Dichlorobenzene	1.739	1.783		2.53	20
1,4-Dichlorobenzene	1.785	1.821		2.02	20
1,2-Dichlorobenzene	1.657	1.721		3.86	20
1,2-Dibromo-3-Chloropropane	0.233	0.225		-3.43	20
1,2,4-Trichlorobenzene	1.077	1.032		-4.18	20
1,2,3-Trichlorobenzene	1.002	0.983		-1.9	20
1,2-Dichloroethane-d4	0.796	0.862		8.29	20
Dibromofluoromethane	0.335	0.378		12.84	20
Toluene-d8	1.160	1.247		7.5	20
4-Bromofluorobenzene	0.440	0.460		4.55	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\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	144631	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	260134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124685	54.160	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.320%			
35) Dibromofluoromethane	5.367	113	98267	56.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.660%			
50) Toluene-d8	8.628	98	324365	53.732	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.460%			
62) 4-Bromofluorobenzene	11.061	95	119729	52.260	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	91085	60.818	ug/l	99
3) Chloromethane	1.300	50	110419	56.097	ug/l	100
4) Vinyl Chloride	1.380	62	114111	59.223	ug/l	99
5) Bromomethane	1.611	94	69517	56.897	ug/l	99
6) Chloroethane	1.691	64	75662	58.753	ug/l	100
7) Trichlorofluoromethane	1.892	101	171477	59.938	ug/l	98
8) Diethyl Ether	2.136	74	67159	57.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	96125	57.462	ug/l	99
10) Methyl Iodide	2.453	142	124704	47.798	ug/l	100
11) Tert butyl alcohol	2.940	59	58452	227.972	ug/l	98
12) 1,1-Dichloroethene	2.325	96	98833	57.516	ug/l	99
13) Acrolein	2.233	56	41249	174.579	ug/l	99
14) Allyl chloride	2.666	41	166158	46.859	ug/l	97
15) Acrylonitrile	3.050	53	269376	283.637	ug/l	100
16) Acetone	2.373	43	217997	217.782	ug/l	98
17) Carbon Disulfide	2.514	76	255182	54.246	ug/l	98
18) Methyl Acetate	2.696	43	134529	60.389	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	348678	55.586	ug/l	100
20) Methylene Chloride	2.782	84	120618	56.927	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	104674	56.580	ug/l	98
22) Diisopropyl ether	3.745	45	395937	57.615	ug/l	91
23) Vinyl Acetate	3.708	43	1499884	272.705	ug/l	99
24) 1,1-Dichloroethane	3.599	63	212129	58.077	ug/l	99
25) 2-Butanone	4.531	43	307124	245.974	ug/l	99
26) 2,2-Dichloropropane	4.458	77	80398	26.480	ug/l	93
27) cis-1,2-Dichloroethene	4.471	96	124695	55.037	ug/l	94
28) Bromochloromethane	4.873	49	101680	63.766	ug/l	99
29) Tetrahydrofuran	4.983	42	196599	261.737	ug/l	99
30) Chloroform	5.074	83	214728	58.176	ug/l	100
31) Cyclohexane	5.452	56	152106	50.000	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	176197	56.279	ug/l	99
36) 1,1-Dichloropropene	5.672	75	130677	51.260	ug/l	99
37) Ethyl Acetate	4.690	43	134131	49.140	ug/l	99
38) Carbon Tetrachloride	5.659	117	147089	53.104	ug/l	99
39) Methylcyclohexane	7.360	83	138542	47.876	ug/l	98
40) Benzene	6.019	78	421247	54.405	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	74326	52.746	ug/l	99
42) 1,2-Dichloroethane	6.068	62	158595	53.834	ug/l	99
43) Isopropyl Acetate	6.312	43	225027	50.267	ug/l	100
44) Trichloroethene	7.104	130	100254	53.557	ug/l	94
45) 1,2-Dichloropropane	7.409	63	109590	55.275	ug/l	97
46) Dibromomethane	7.561	93	78369	54.318	ug/l	97
47) Bromodichloromethane	7.799	83	166580	55.951	ug/l	99
48) Methyl methacrylate	7.671	41	112094	50.270	ug/l	98
49) 1,4-Dioxane	7.641	88	27263	1209.803	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	642043	258.676	ug/l	100
52) Toluene	8.701	92	254447	53.340	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	144886	47.710	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	158578	48.855	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	101762	55.323	ug/l	98
56) Ethyl methacrylate	9.098	69	151133	52.318	ug/l	98
57) 1,3-Dichloropropane	9.293	76	174076	55.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	412325	295.242	ug/l	100
59) 2-Hexanone	9.415	43	432172	242.438	ug/l	99
60) Dibromochloromethane	9.500	129	120602	56.903	ug/l	99
61) 1,2-Dibromoethane	9.592	107	102684	54.808	ug/l	99
64) Tetrachloroethene	9.256	164	82226	54.742	ug/l	98
65) Chlorobenzene	10.061	112	281425	53.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	100383	55.573	ug/l	98
67) Ethyl Benzene	10.177	91	470865	52.134	ug/l	100
68) m/p-Xylenes	10.280	106	358108	106.525	ug/l	98
69) o-Xylene	10.622	106	173728	53.429	ug/l	97
70) Styrene	10.634	104	304498	53.445	ug/l	99
71) Bromoform	10.780	173	74442	55.193	ug/l	99
73) Isopropylbenzene	10.945	105	440490	52.083	ug/l	99
74) N-amyl acetate	10.823	43	190962	49.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135919	53.118	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	107919m	47.914	ug/l	
77) Bromobenzene	11.177	156	109763	52.694	ug/l	96
78) n-propylbenzene	11.286	91	515569	51.568	ug/l	99
79) 2-Chlorotoluene	11.347	91	315063	51.452	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	360539	51.887	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	32867	37.213	ug/l	99
82) 4-Chlorotoluene	11.433	91	374249	51.748	ug/l	99
83) tert-Butylbenzene	11.695	119	363612	51.119	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	362779	51.497	ug/l	100
85) sec-Butylbenzene	11.872	105	425236	50.330	ug/l	100
86) p-Isopropyltoluene	11.987	119	358451	50.113	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	198339	51.263	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	202543	51.006	ug/l	99
89) n-Butylbenzene	12.311	91	322844	48.778	ug/l	99
90) Hexachloroethane	12.518	117	68208	54.313	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	191476	51.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25029	48.313	ug/l	95
93) 1,2,4-Trichlorobenzene	13.566	180	114786	47.915	ug/l	98
94) Hexachlorobutadiene	13.707	225	37573	46.175	ug/l	100
95) Naphthalene	13.755	128	362591	49.706	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	109321	49.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

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

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

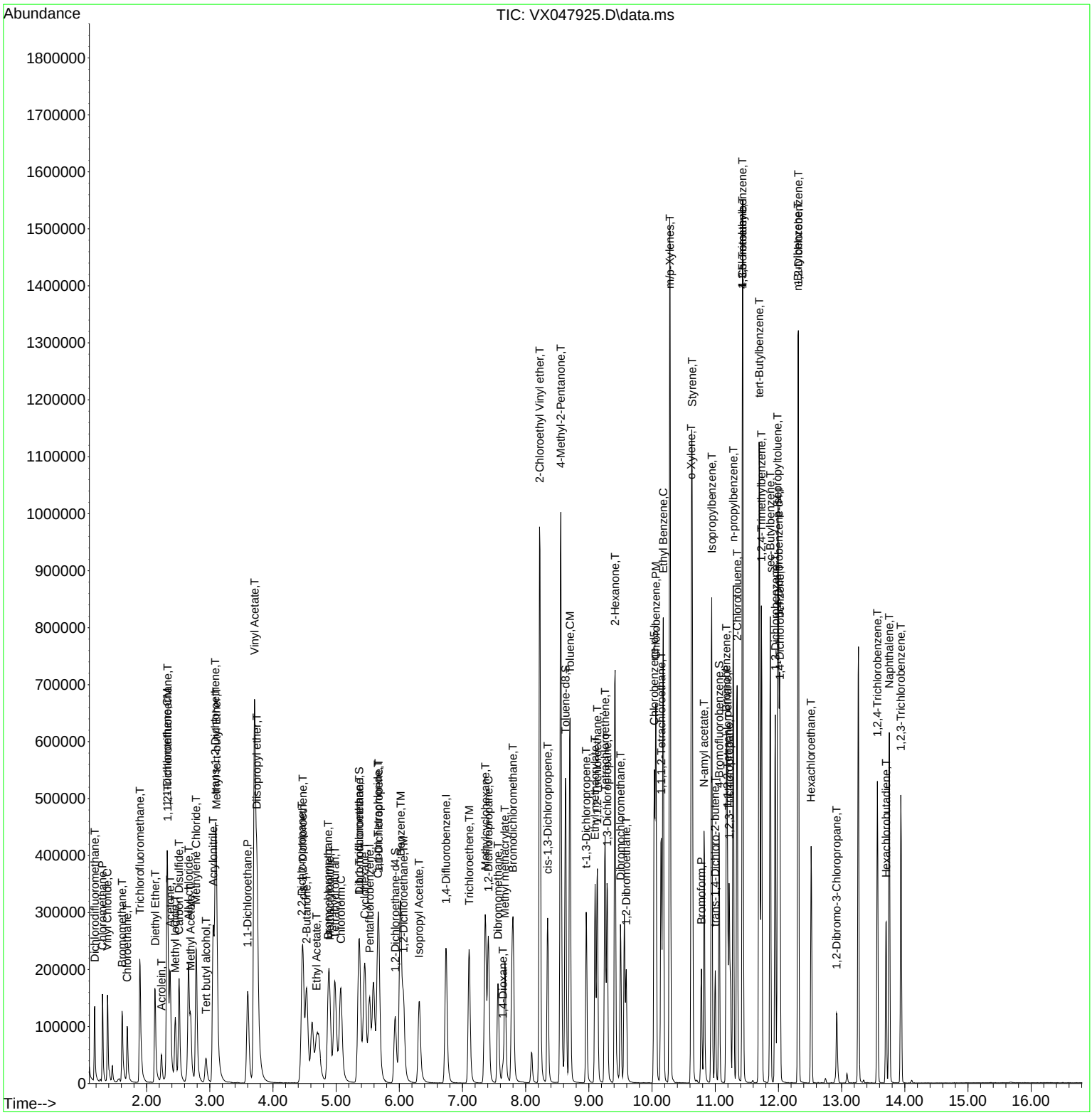
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

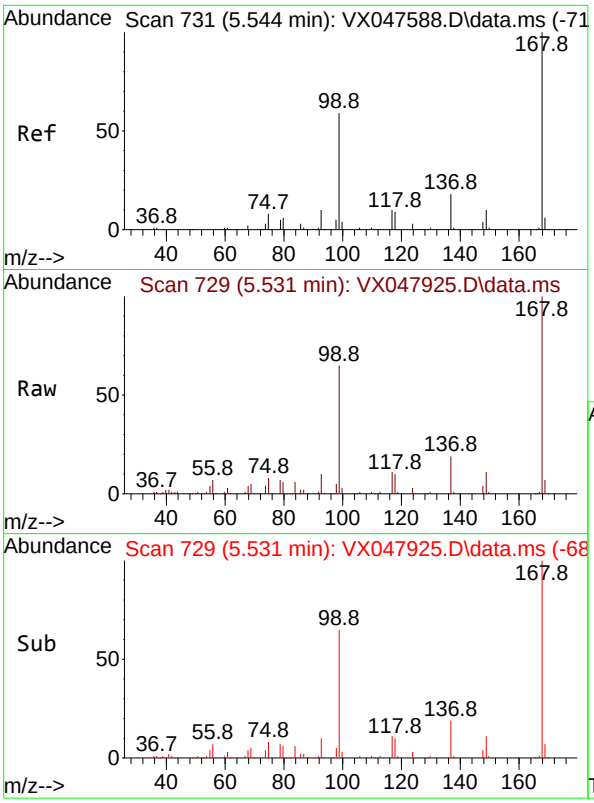
Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

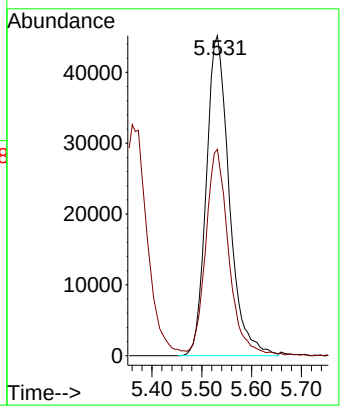




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:168 Resp: 14463

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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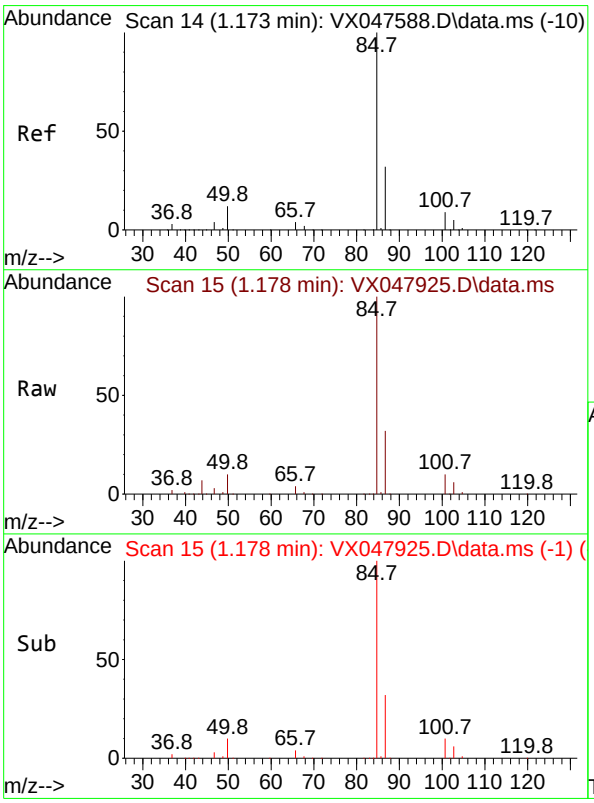
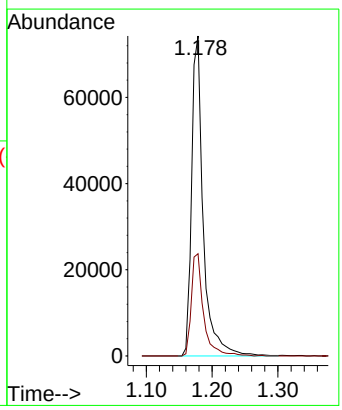
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

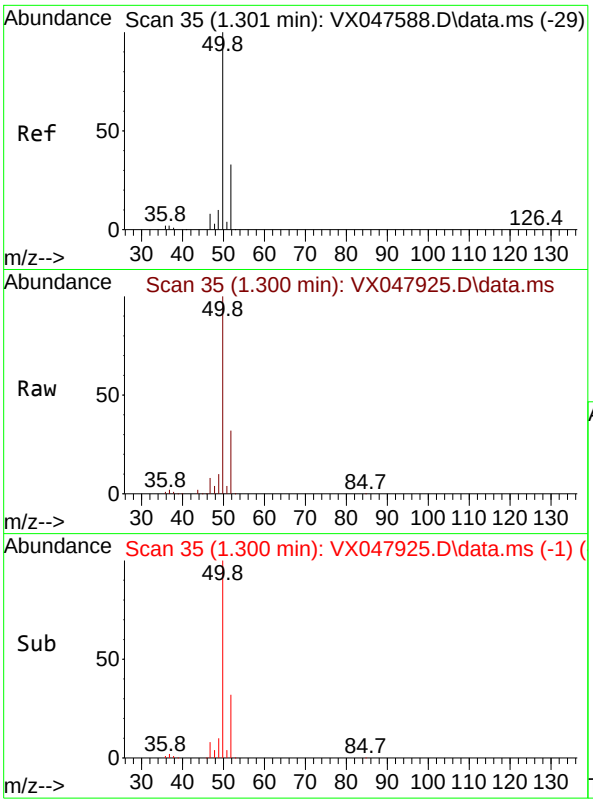


#2
Dichlorodifluoromethane
Concen: 60.818 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 85 Resp: 91085

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.8	47.3

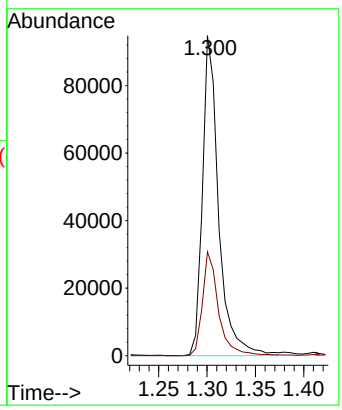




#3
Chloromethane
Concen: 56.097 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 50 Resp: 11041

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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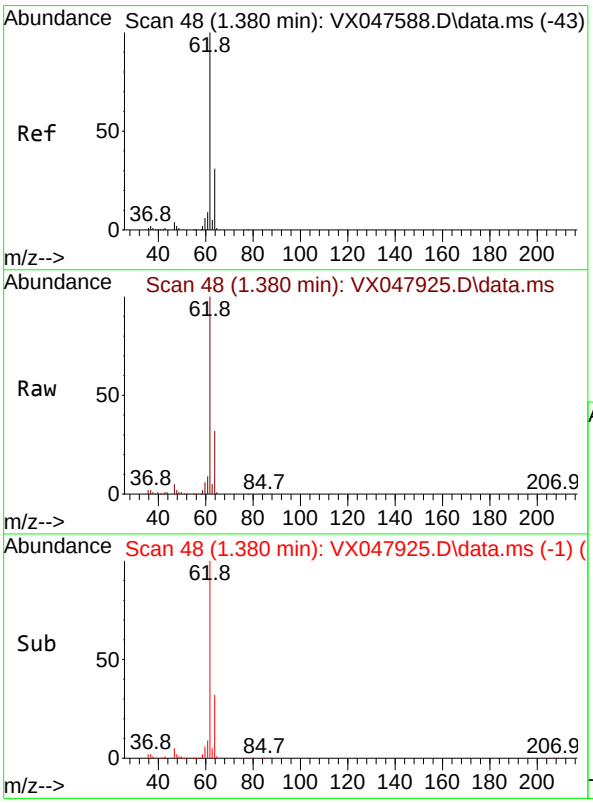
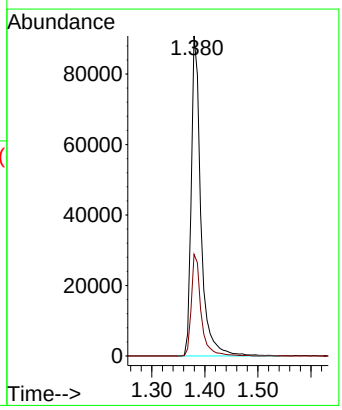
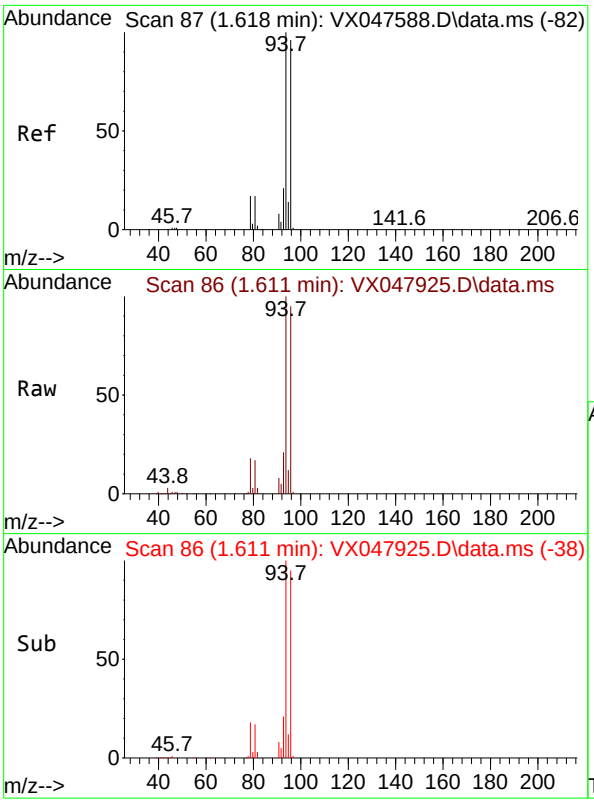


#4
Vinyl Chloride
Concen: 59.223 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 62 Resp: 114111

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3





#5
Bromomethane
Concen: 56.897 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 94 Resp: 6951

Ion	Ratio	Lower	Upper
94	100		
96	95.1	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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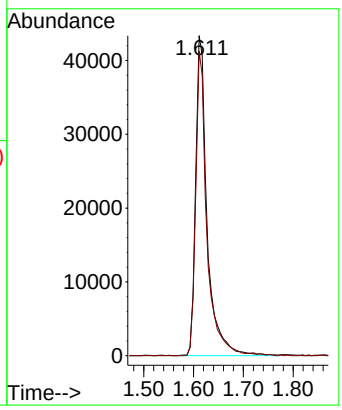
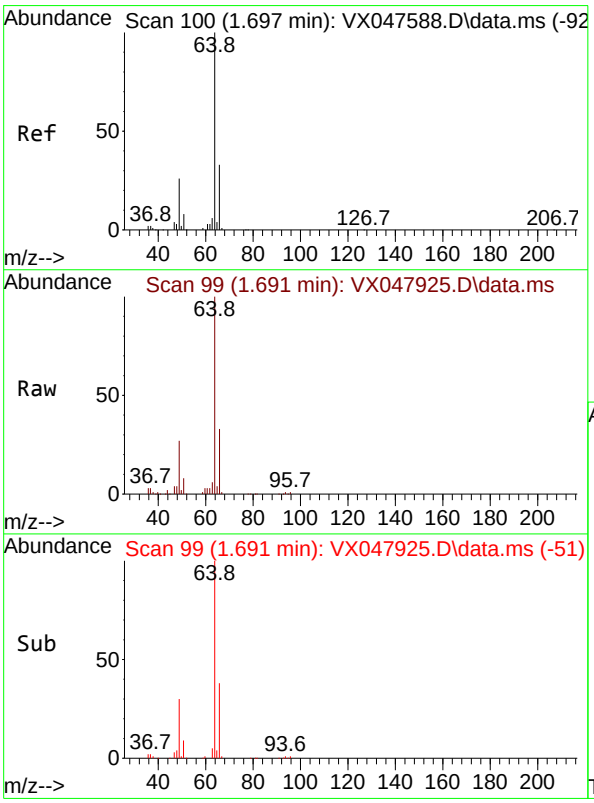
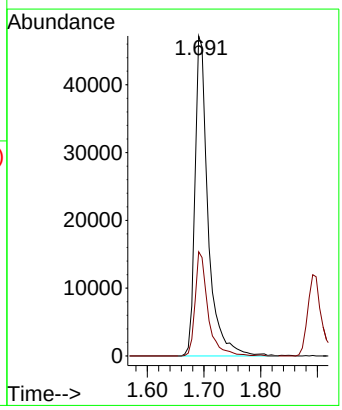


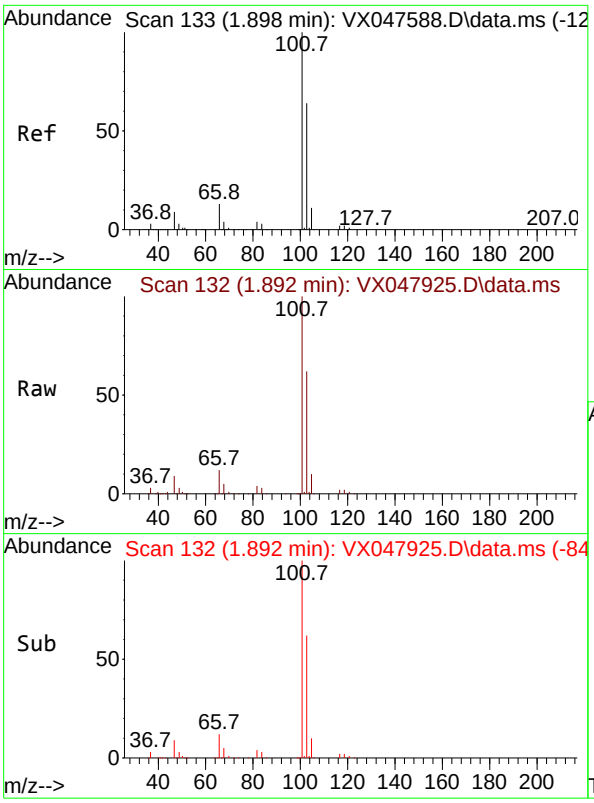


#6
Chloroethane
Concen: 58.753 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 64 Resp: 75662

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1





#7
Trichlorofluoromethane
Concen: 59.938 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:101 Resp: 17147

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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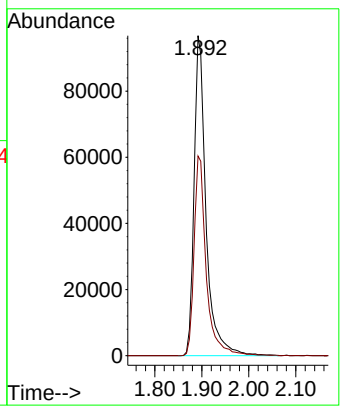
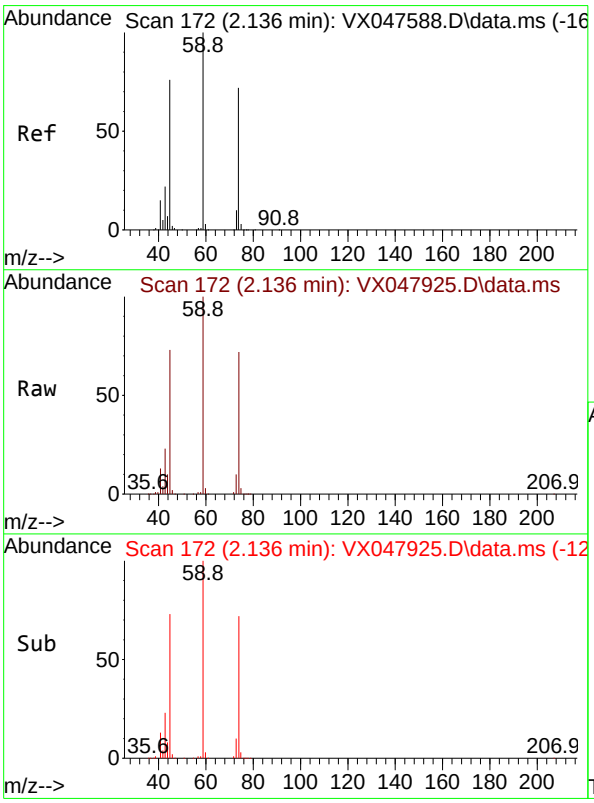
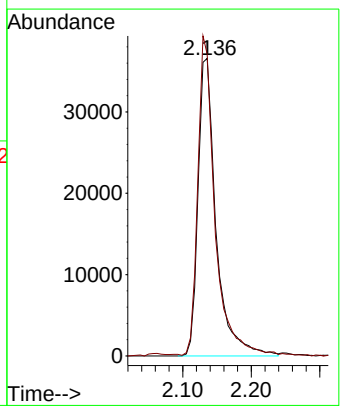


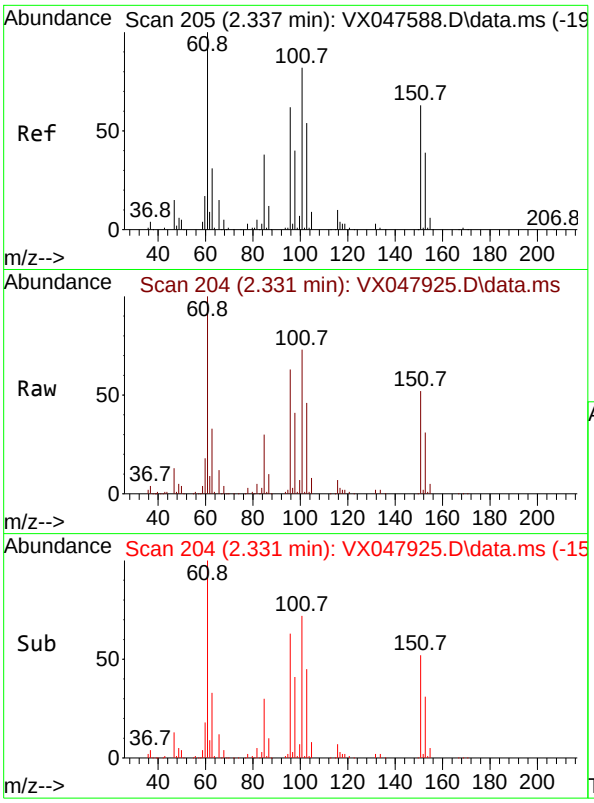


#8
Diethyl Ether
Concen: 57.386 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 74 Resp: 67159

Ion	Ratio	Lower	Upper
74	100		
45	103.2	52.3	156.8

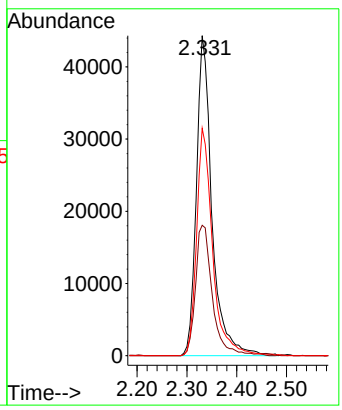




#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.462 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:101 Resp: 9612

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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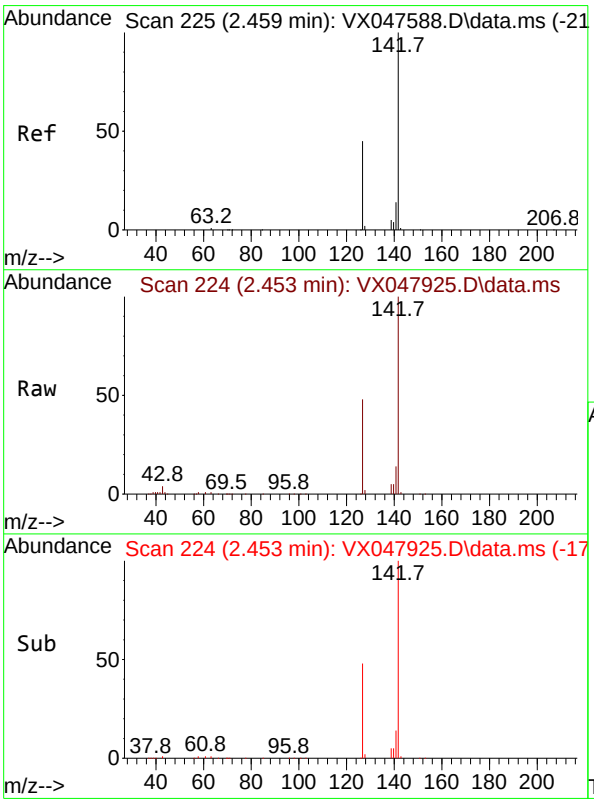
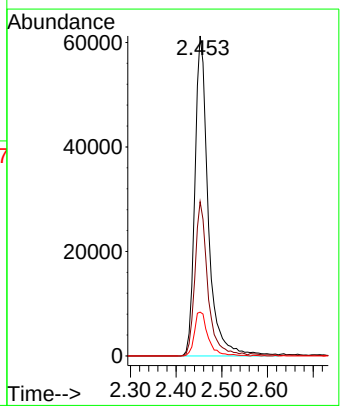
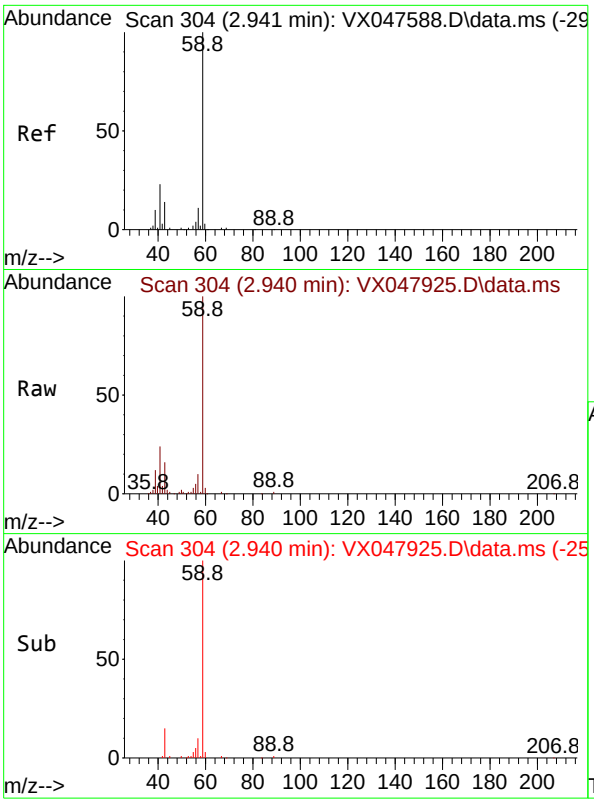


#10
Methyl Iodide
Concen: 47.798 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:142 Resp: 124704

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.0	11.4	17.0





#11
Tert butyl alcohol
Concen: 227.972 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 59 Resp: 5845

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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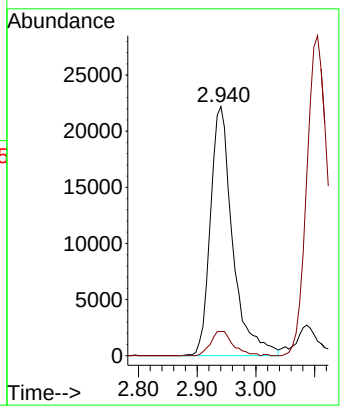
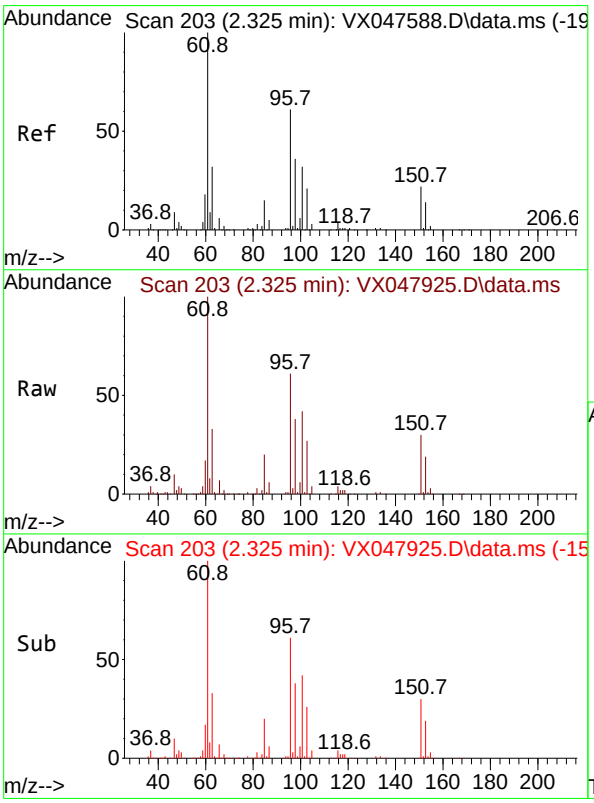
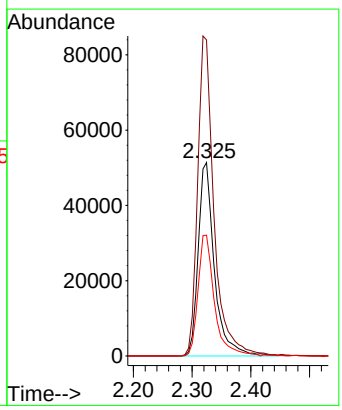


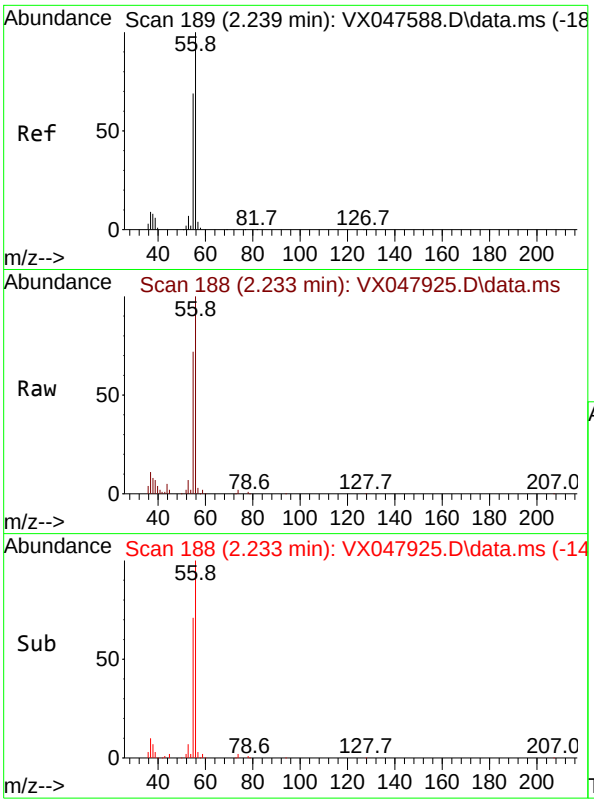


#12
1,1-Dichloroethene
Concen: 57.516 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 96 Resp: 98833

Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.0	196.6
98	62.4	47.7	71.5





#13
Acrolein
Concen: 174.579 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 56 Resp: 4124

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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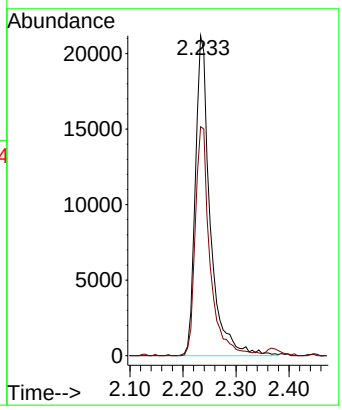
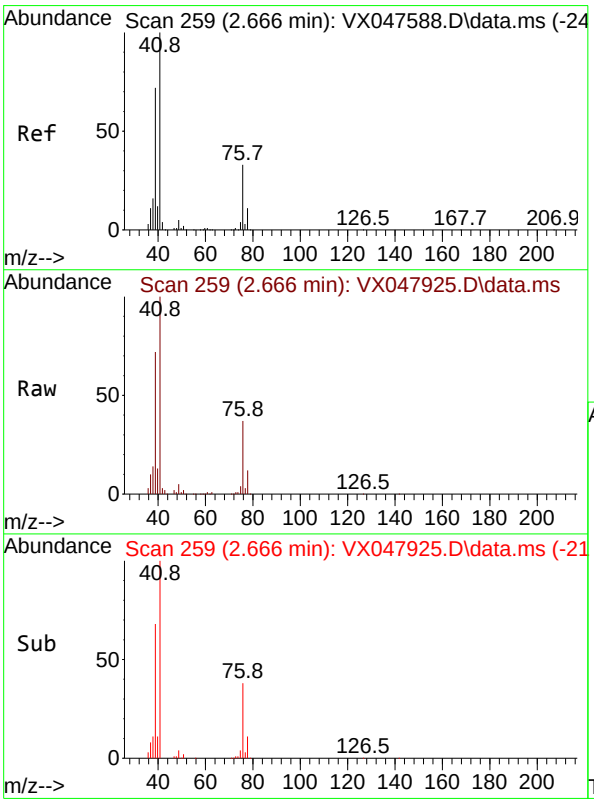
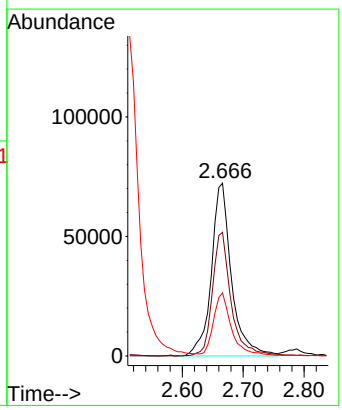


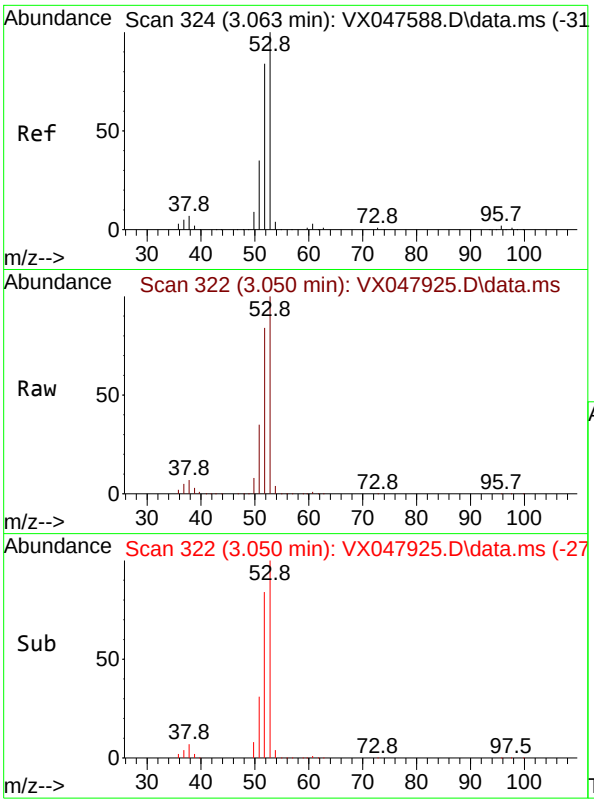


#14
Allyl chloride
Concen: 46.859 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 41 Resp: 166158

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.7	82.1
76	33.3	25.7	38.5

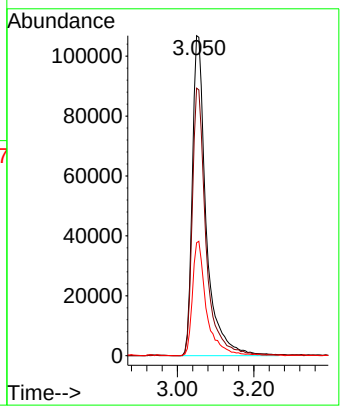




#15
Acrylonitrile
Concen: 283.637 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 53 Resp: 26937

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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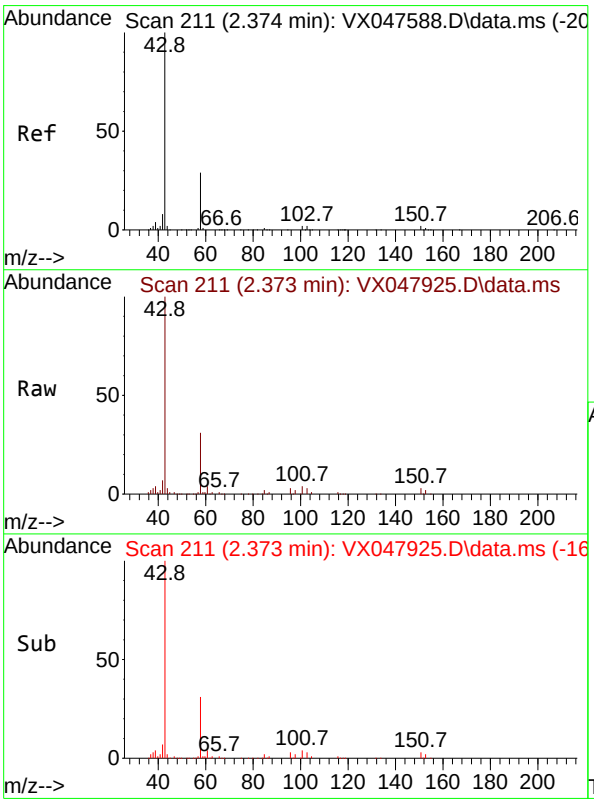
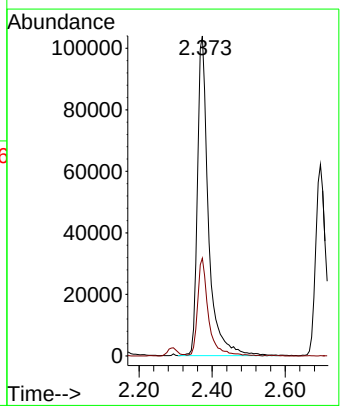
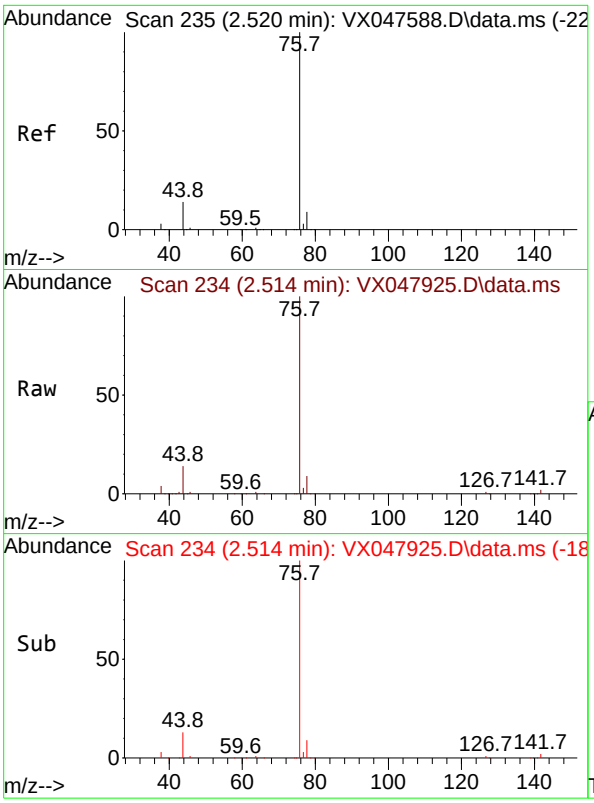


#16
Acetone
Concen: 217.782 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 217997

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0





#17
Carbon Disulfide
Concen: 54.246 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 76 Resp: 25518

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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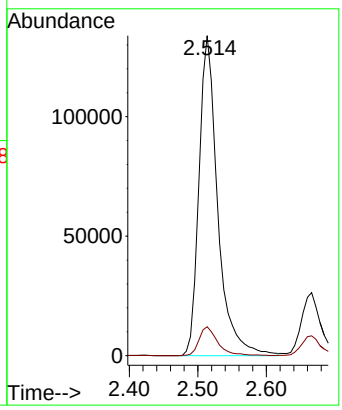
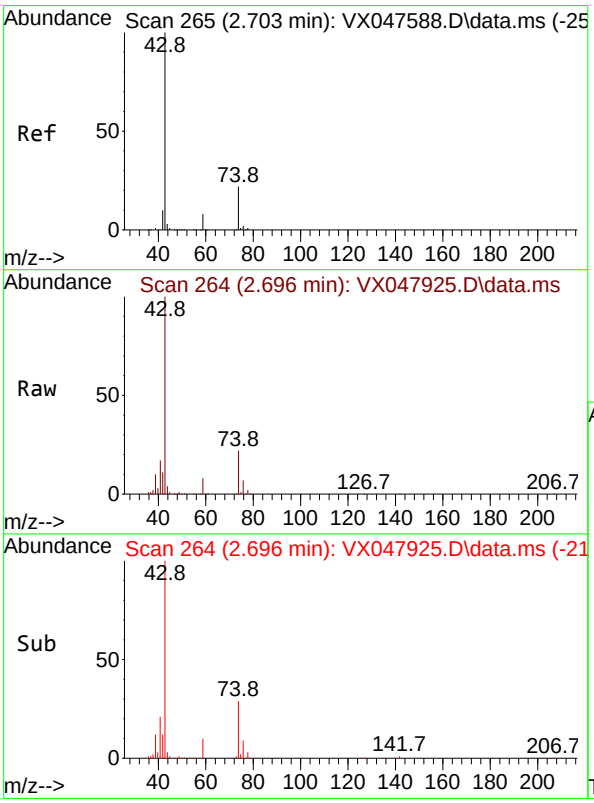
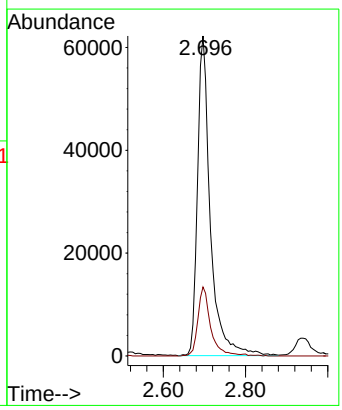


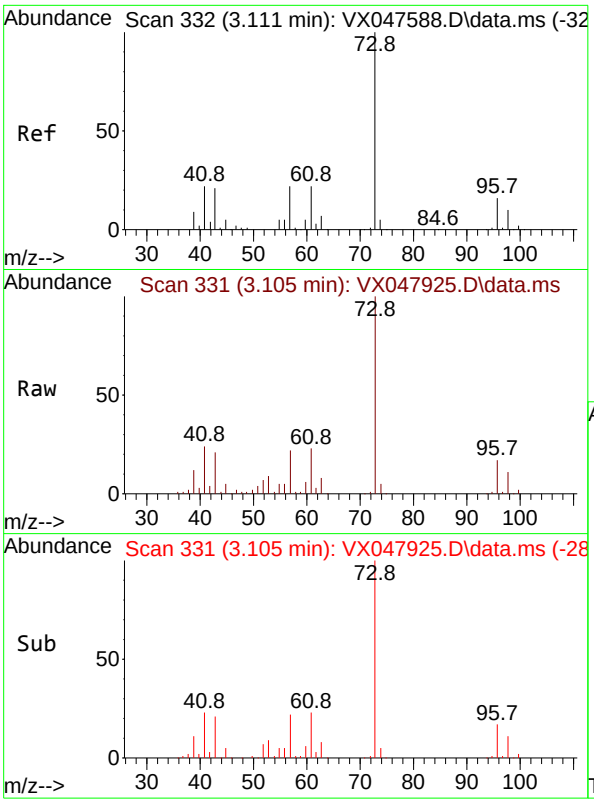


#18
Methyl Acetate
Concen: 60.389 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 134529

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 55.586 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 73 Resp: 34867

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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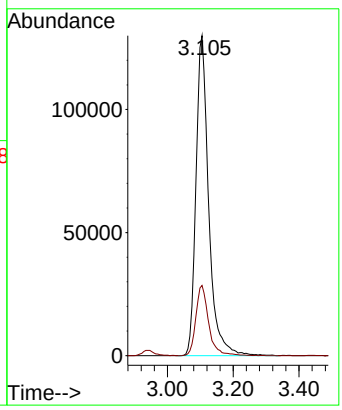
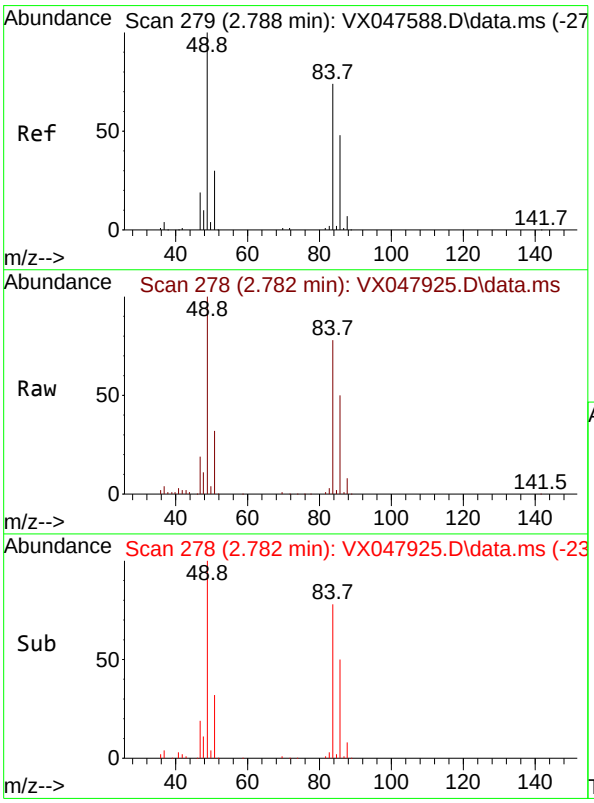
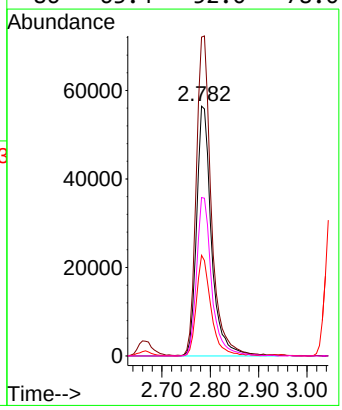


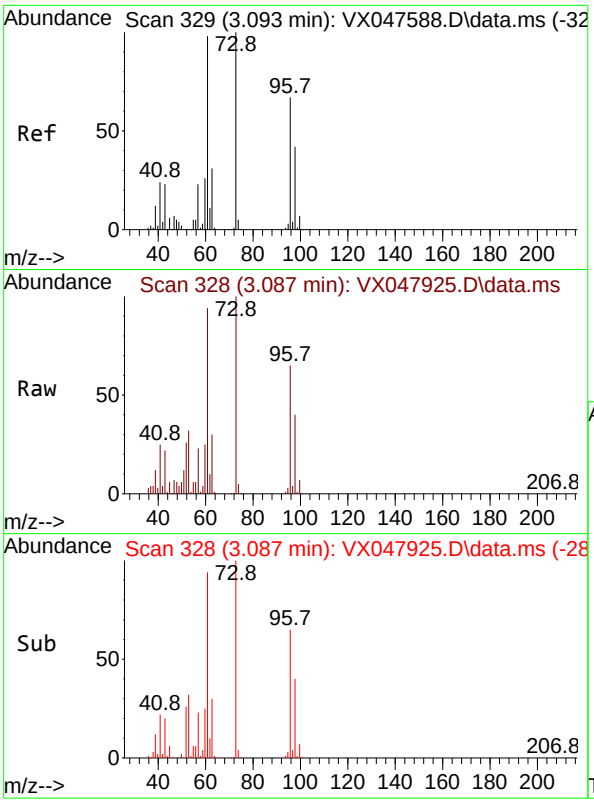


#20
Methylene Chloride
Concen: 56.927 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 84 Resp: 120618

Ion	Ratio	Lower	Upper
84	100		
49	127.4	108.6	162.8
51	40.3	32.6	48.8
86	63.4	52.0	78.0

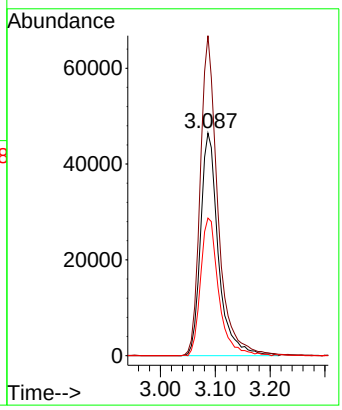




#21
trans-1,2-Dichloroethene
Concen: 56.580 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 96 Resp: 10467

Ion	Ratio	Lower	Upper
96	100		
61	143.7	116.2	174.2
98	63.7	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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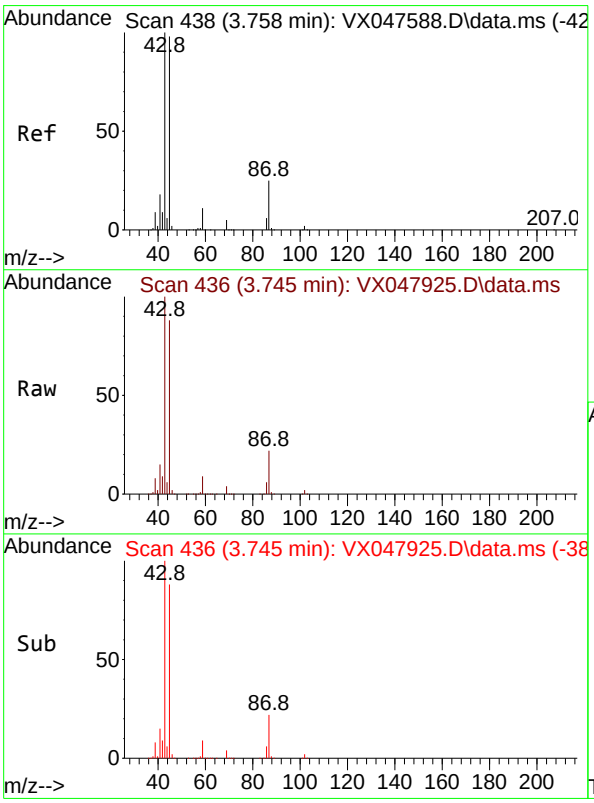
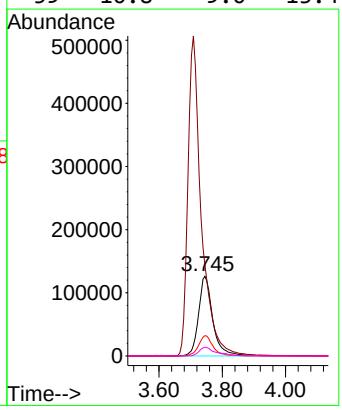
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

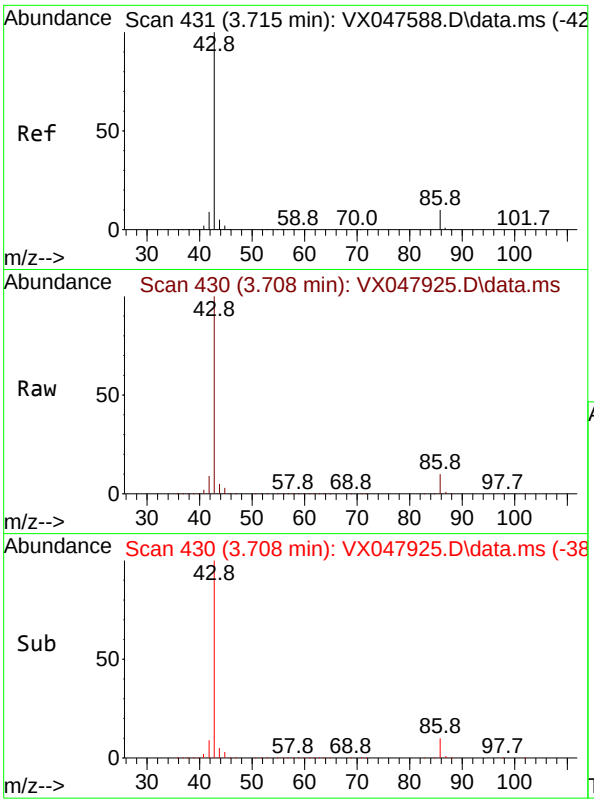


#22
Diisopropyl ether
Concen: 57.615 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 45 Resp: 395937

Ion	Ratio	Lower	Upper
45	100		
43	113.4	81.0	121.4
87	25.6	20.3	30.5
59	10.8	9.0	13.4





#23
Vinyl Acetate
Concen: 272.705 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 149988

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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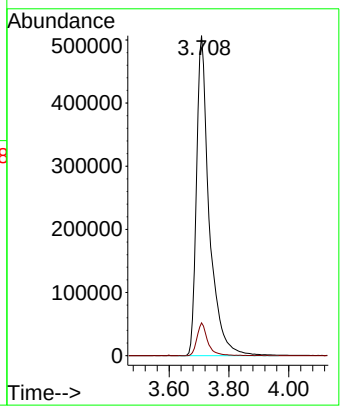
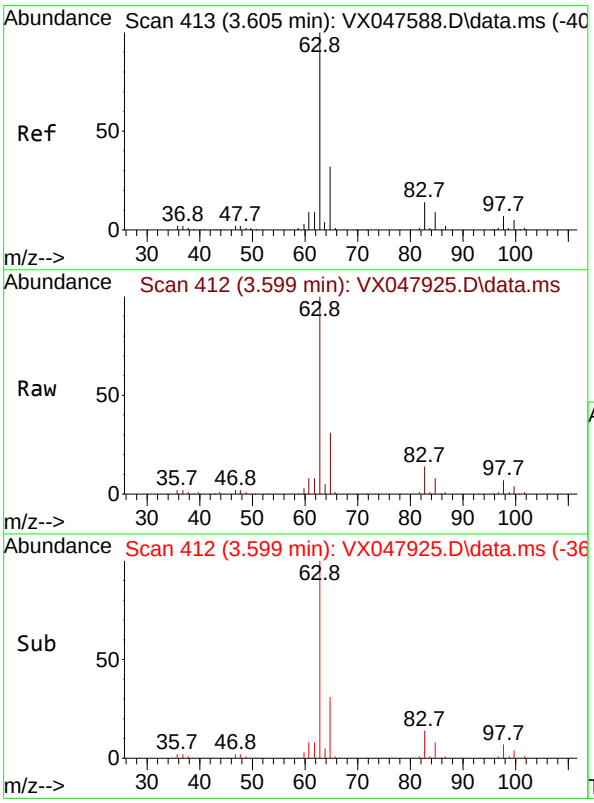
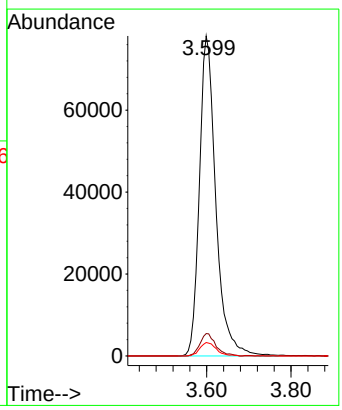


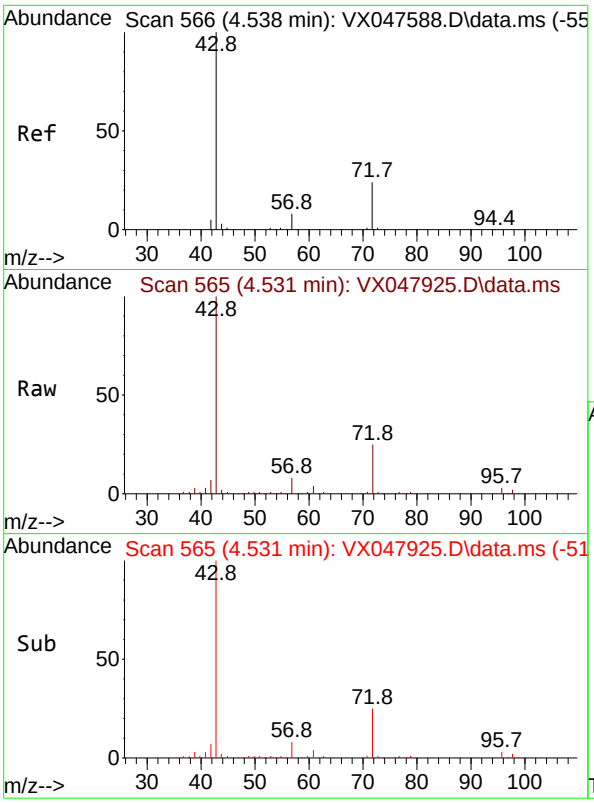


#24
1,1-Dichloroethane
Concen: 58.077 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 63 Resp: 212129

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 245.974 ug/l
RT: 4.531 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 30712

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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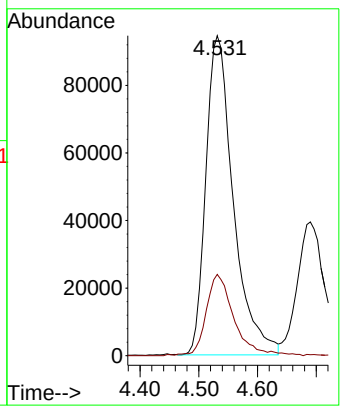
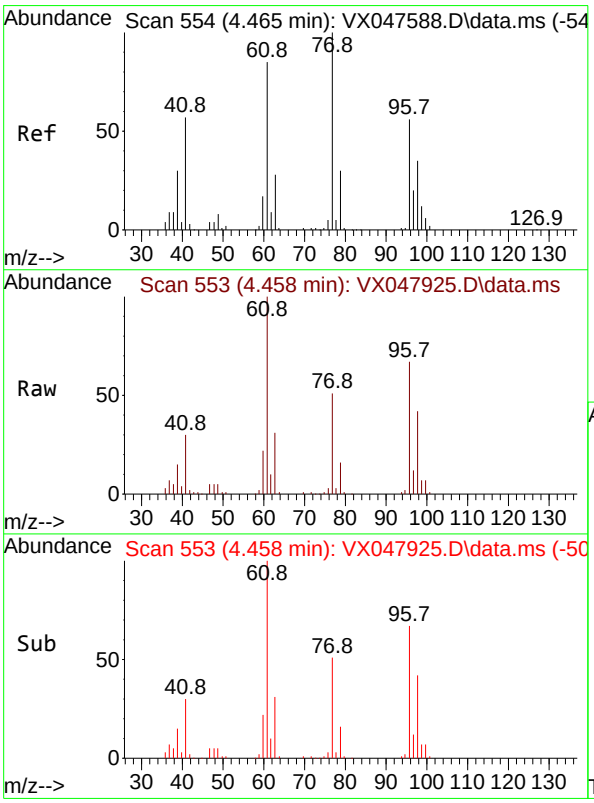
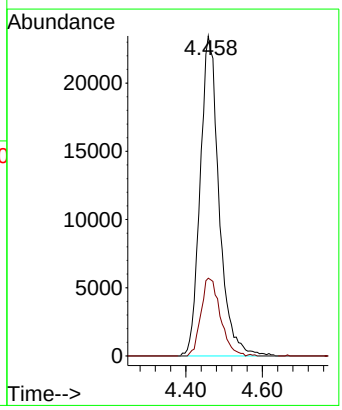


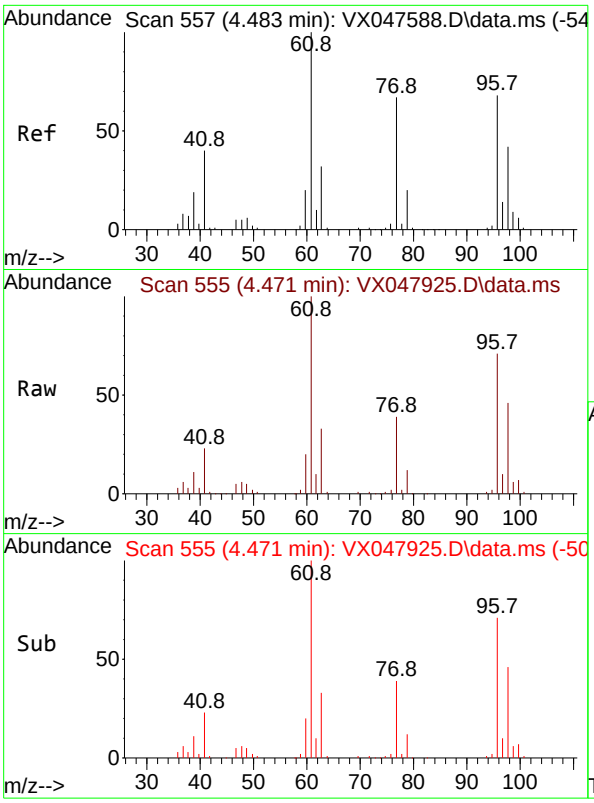


#26
2,2-Dichloropropane
Concen: 26.480 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 77 Resp: 80398

Ion	Ratio	Lower	Upper
77	100		
97	24.9	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 55.037 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 96 Resp: 12469

Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	303.2
98	65.8	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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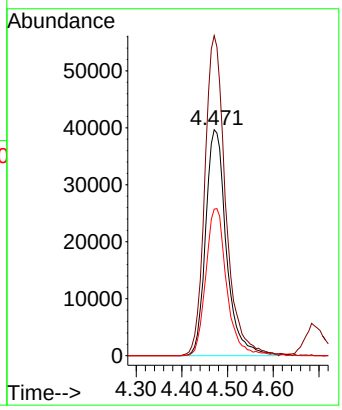
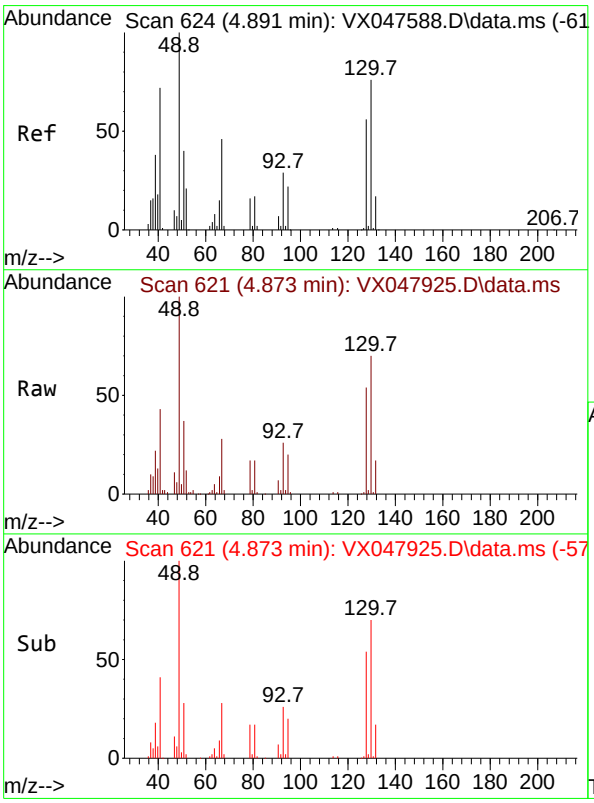
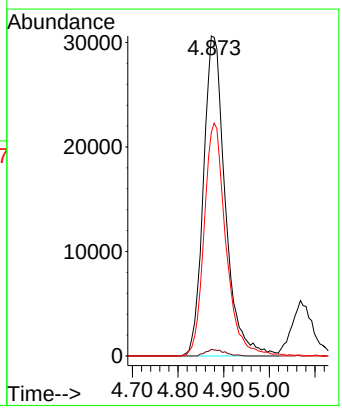


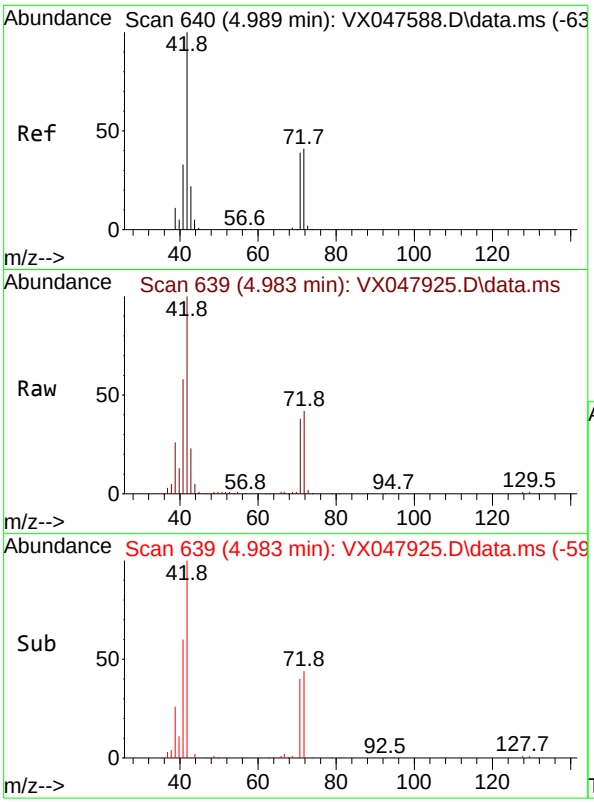


#28
Bromochloromethane
Concen: 63.766 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.019 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 49 Resp: 101680

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.7	57.8	86.8





#29
Tetrahydrofuran
Concen: 261.737 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 42 Resp: 19659

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	38.8	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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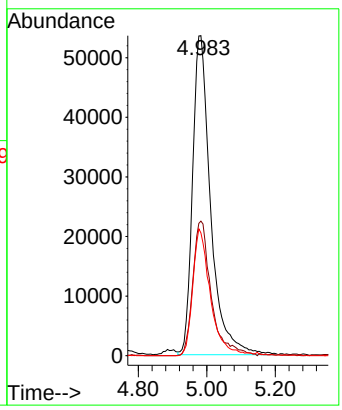
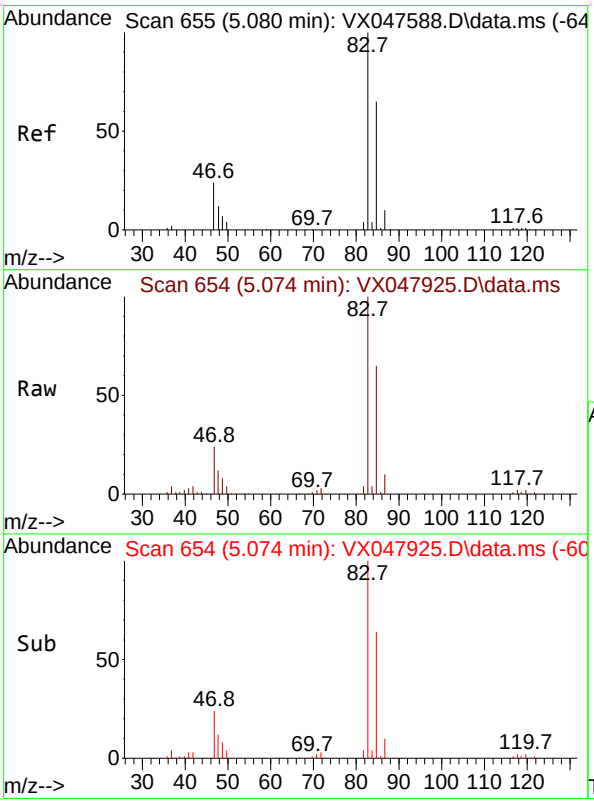
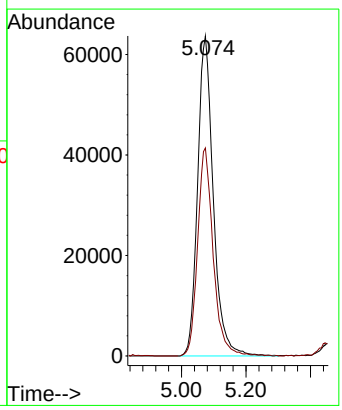


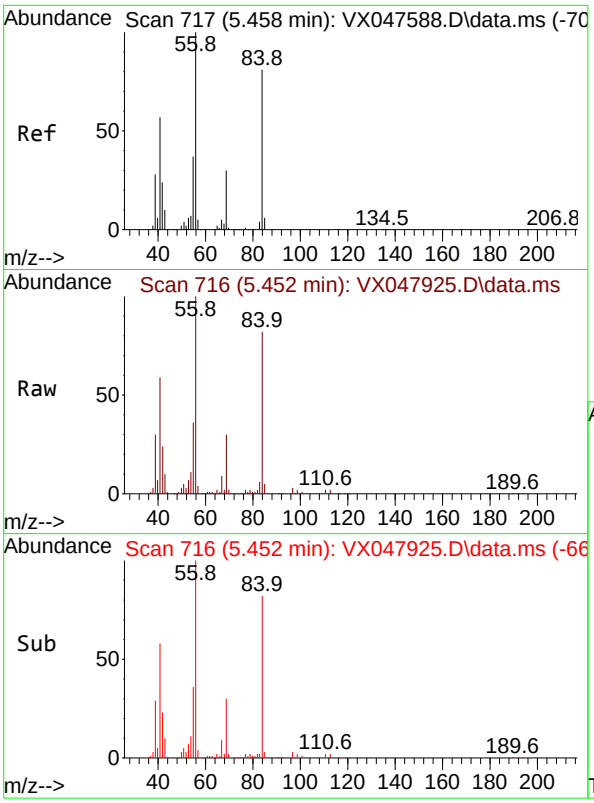


#30
Chloroform
Concen: 58.176 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 83 Resp: 214728

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6





#31
Cyclohexane
Concen: 50.000 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 56 Resp: 15210

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	81.6	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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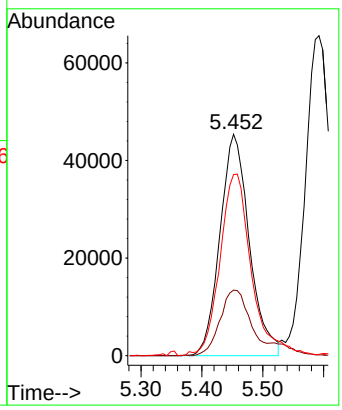
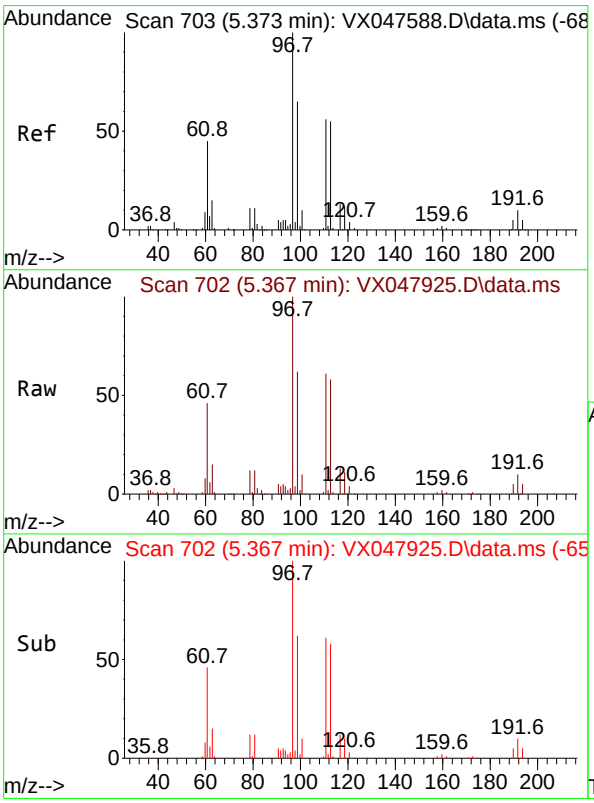
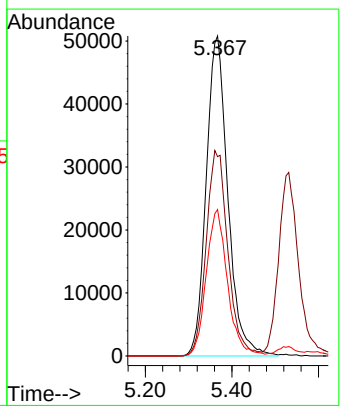


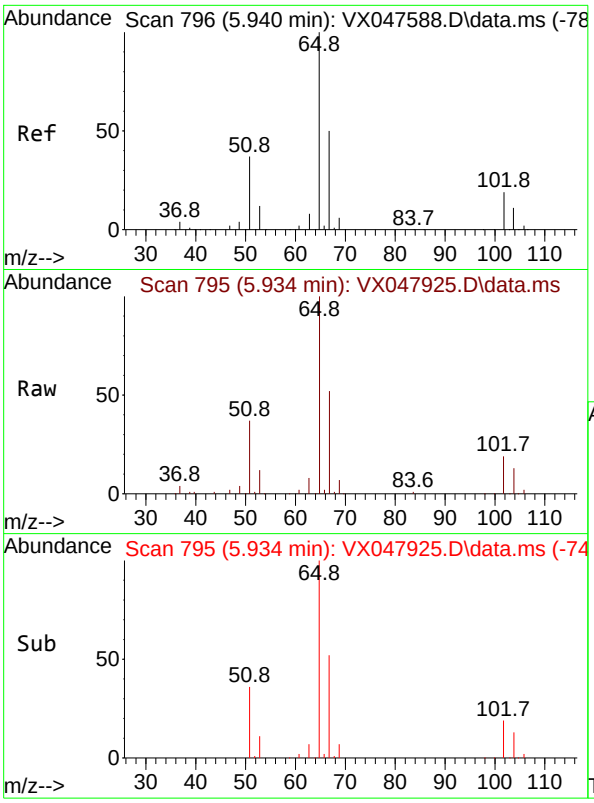


#32
1,1,1-Trichloroethane
Concen: 56.279 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 97 Resp: 176197

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	76.0
61	45.1	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 54.160 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 65 Resp: 12468

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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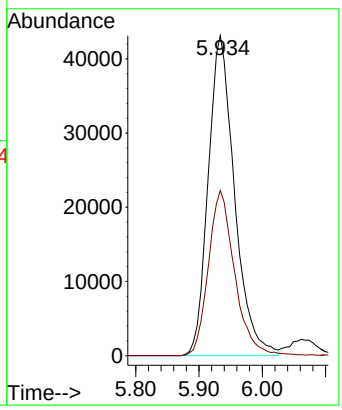
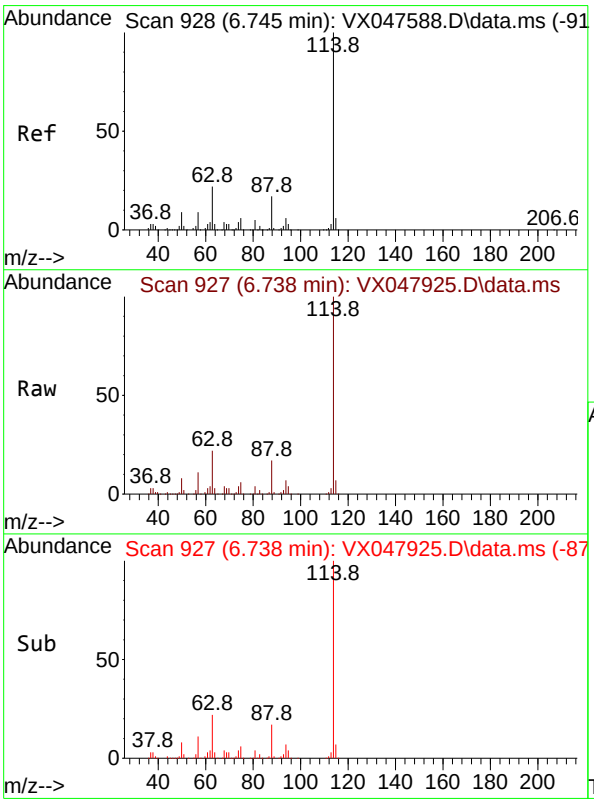
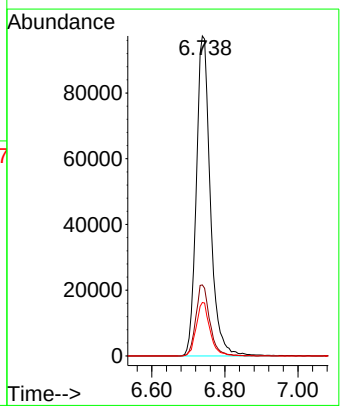


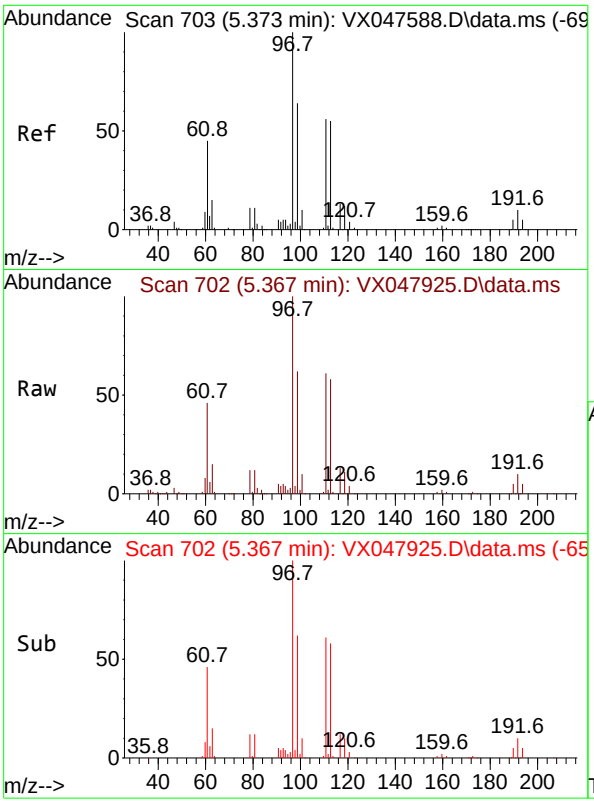


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:114 Resp: 260134

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.7	0.0	34.2

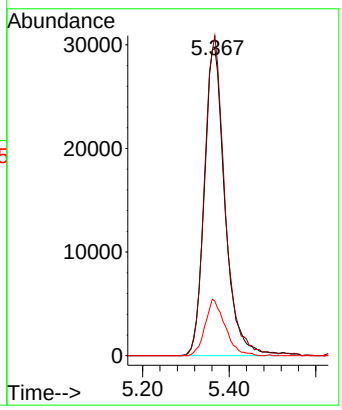




#35
Dibromofluoromethane
Concen: 56.326 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:113 Resp: 9826

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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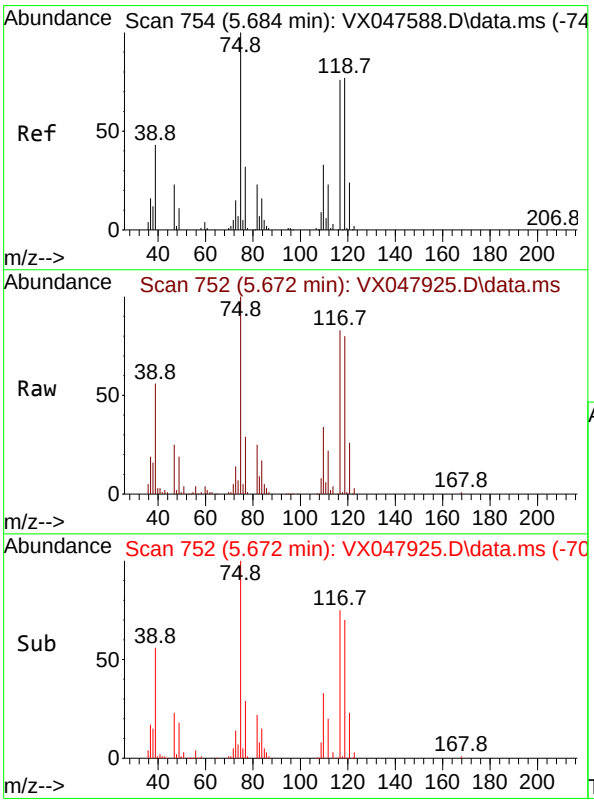
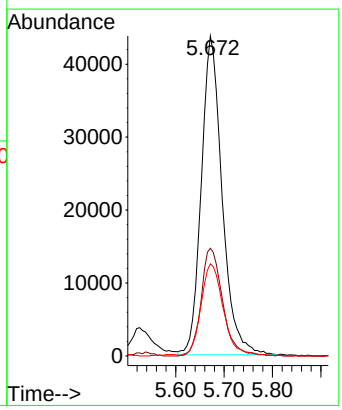
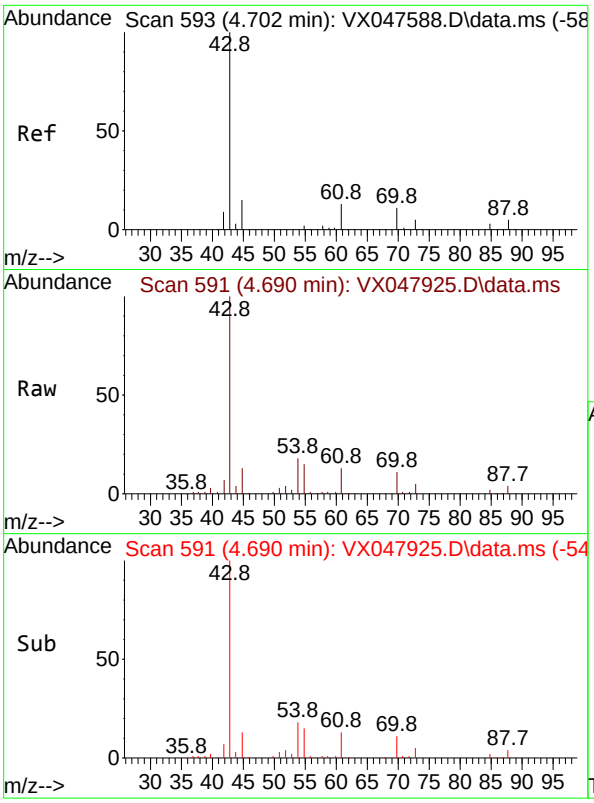


#36
1,1-Dichloropropene
Concen: 51.260 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 130677

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.1
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 49.140 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 13413

Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.8
70	10.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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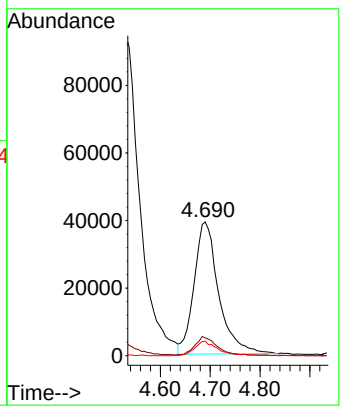
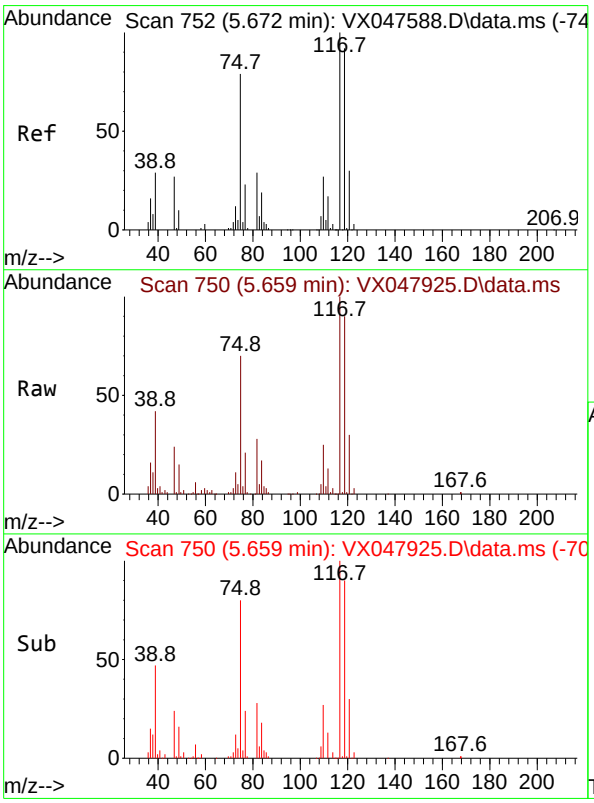
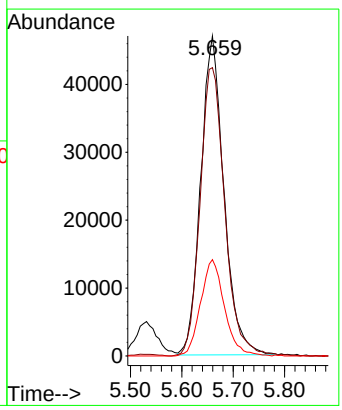


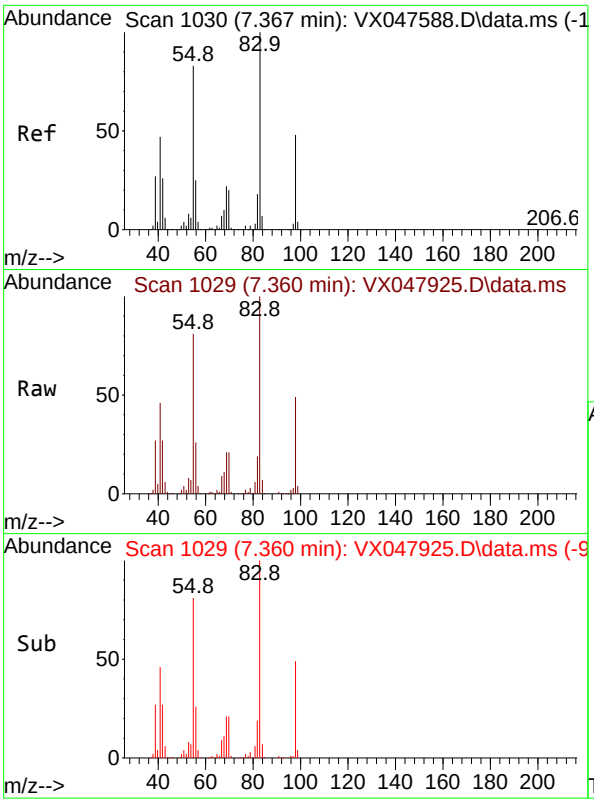


#38
Carbon Tetrachloride
Concen: 53.104 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:117 Resp: 147089

Ion	Ratio	Lower	Upper
117	100		
119	90.2	73.4	110.2
121	30.1	23.8	35.6





#39
Methylcyclohexane
Concen: 47.876 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 83 Resp: 13854

Ion	Ratio	Lower	Upper
83	100		
55	80.9	66.4	99.6
98	48.7	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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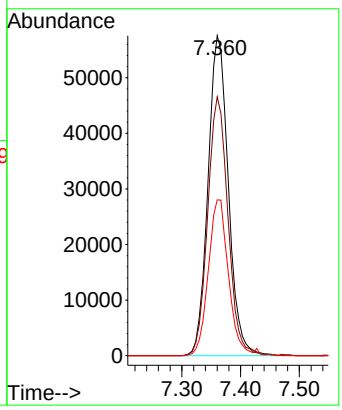
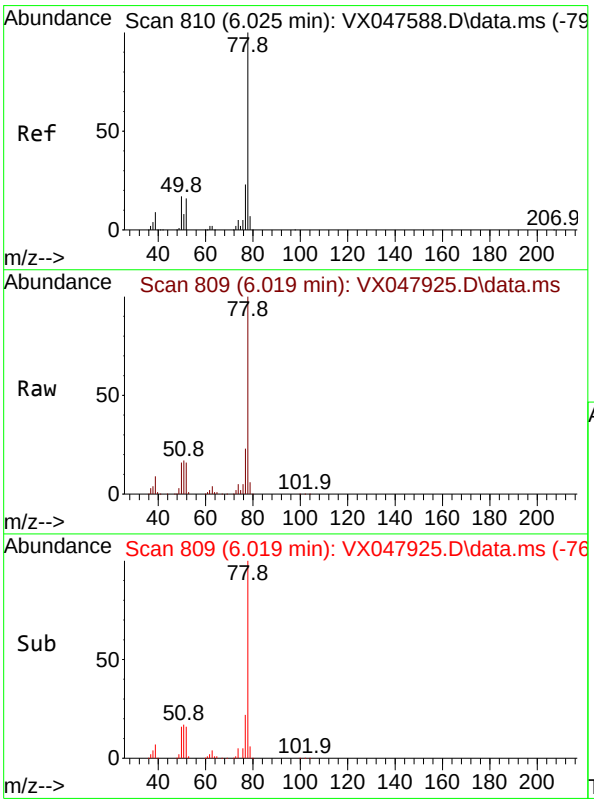
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

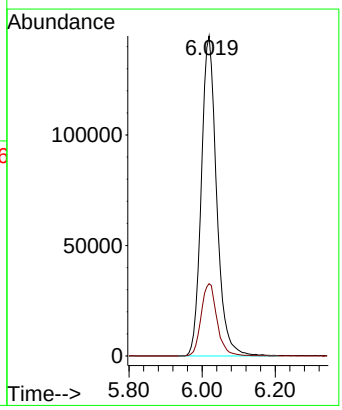


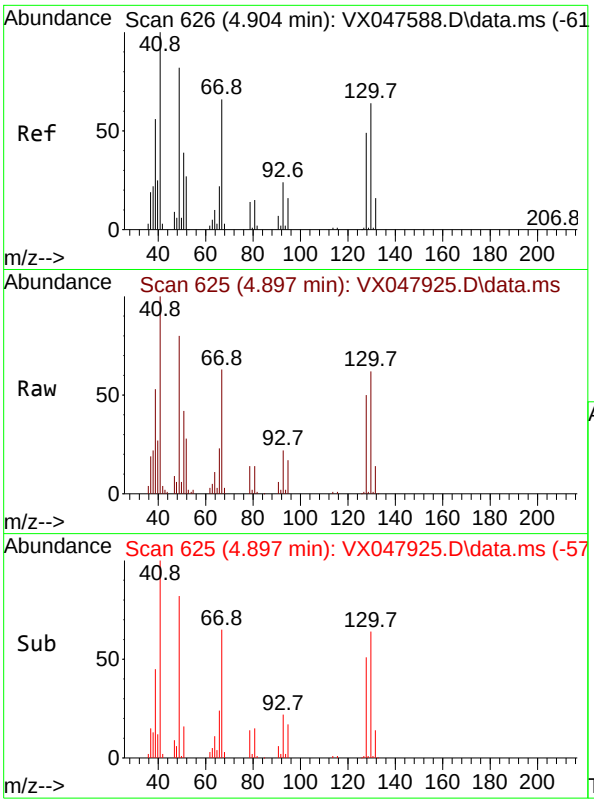


#40
Benzene
Concen: 54.405 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 78 Resp: 421247

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2

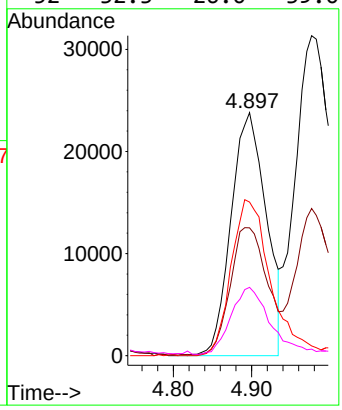




#41
Methacrylonitrile
Concen: 52.746 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 41 Resp: 7432

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	71.9	58.6	87.8
52	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 10/03/2025
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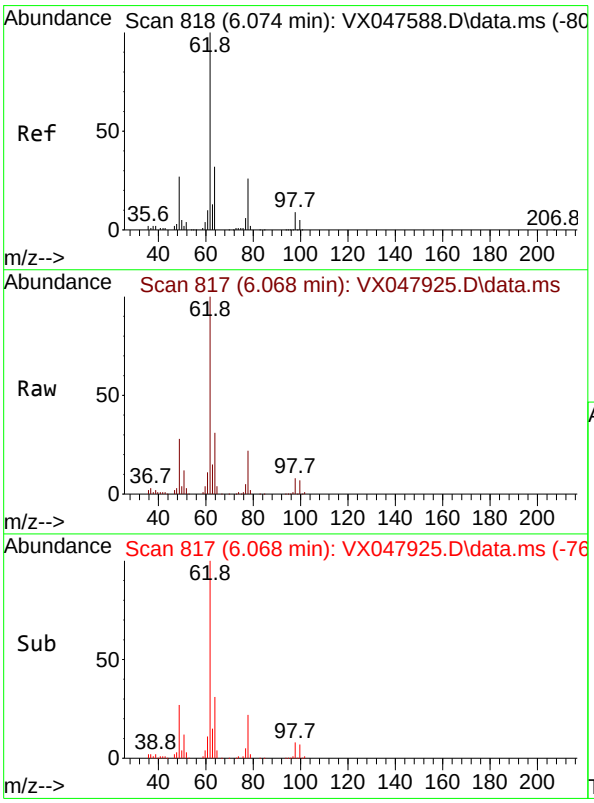
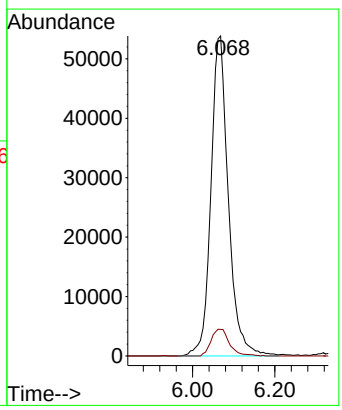
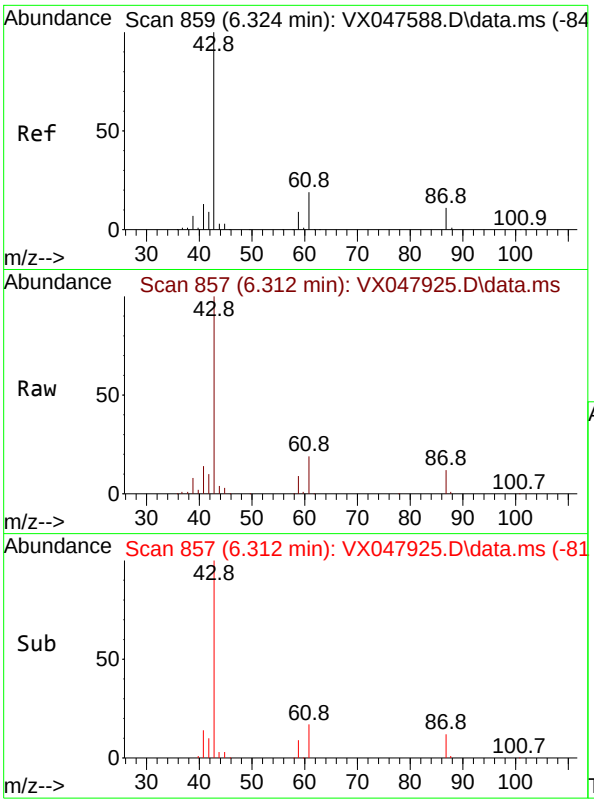


#42
1,2-Dichloroethane
Concen: 53.834 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 62 Resp: 158595

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0





#43
Isopropyl Acetate
Concen: 50.267 ug/l
RT: 6.312 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 22502

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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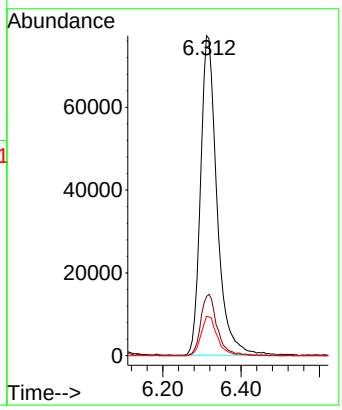
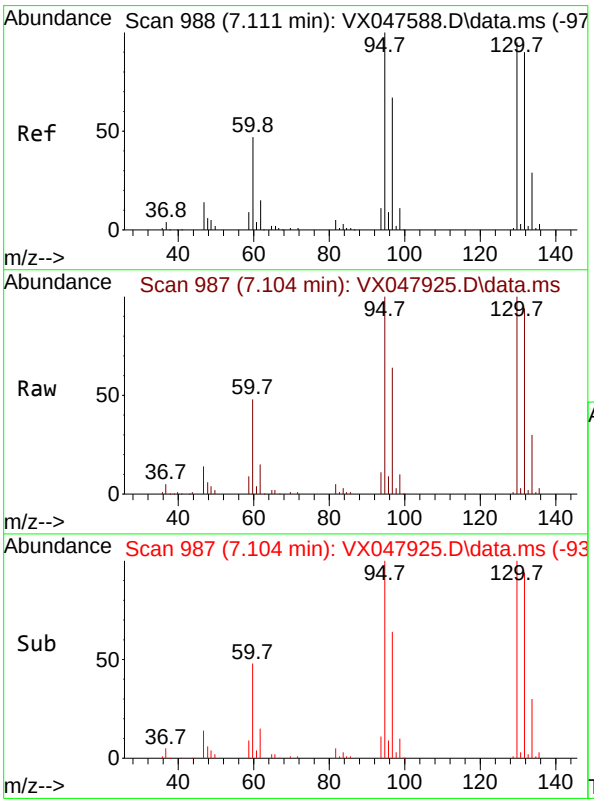
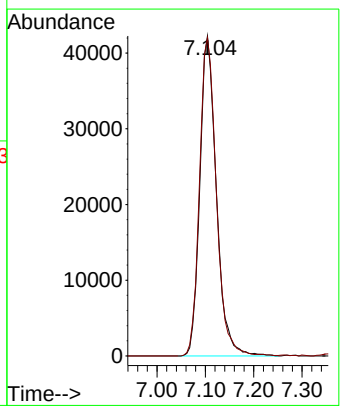


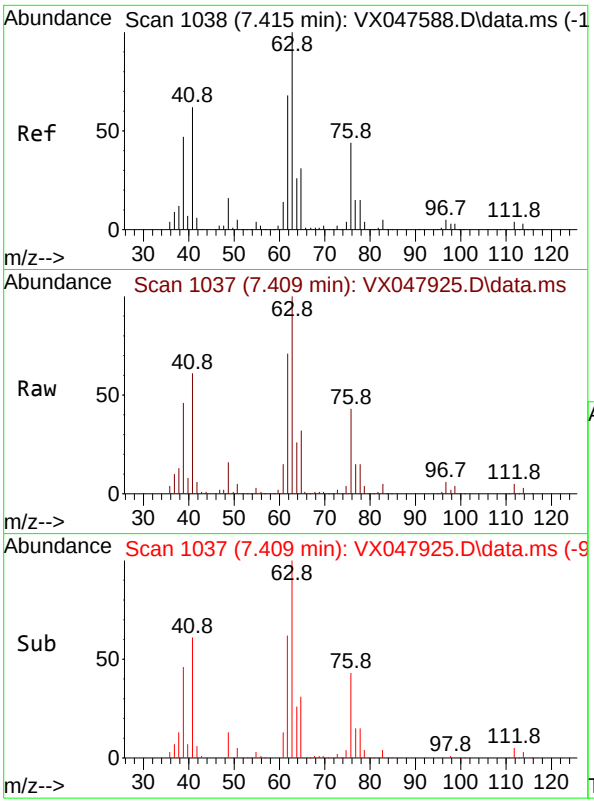


#44
Trichloroethene
Concen: 53.557 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:130 Resp: 100254

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	210.8





#45
1,2-Dichloropropane
Concen: 55.275 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 63 Resp: 10959

Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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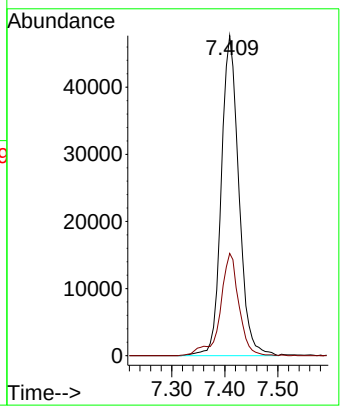
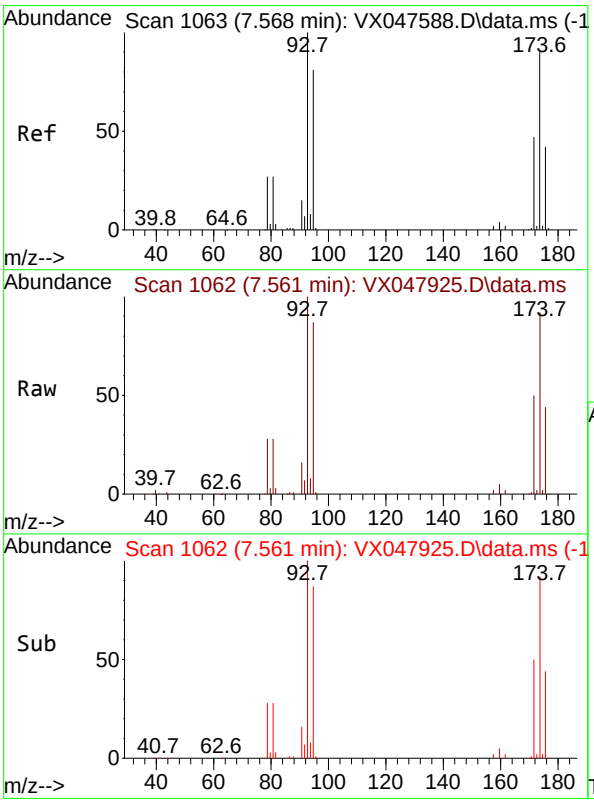
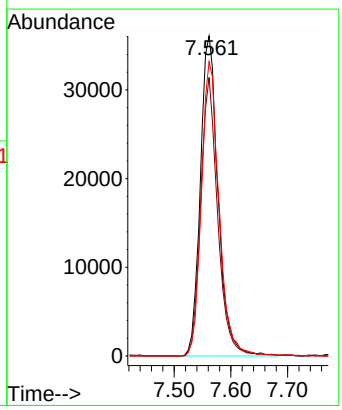


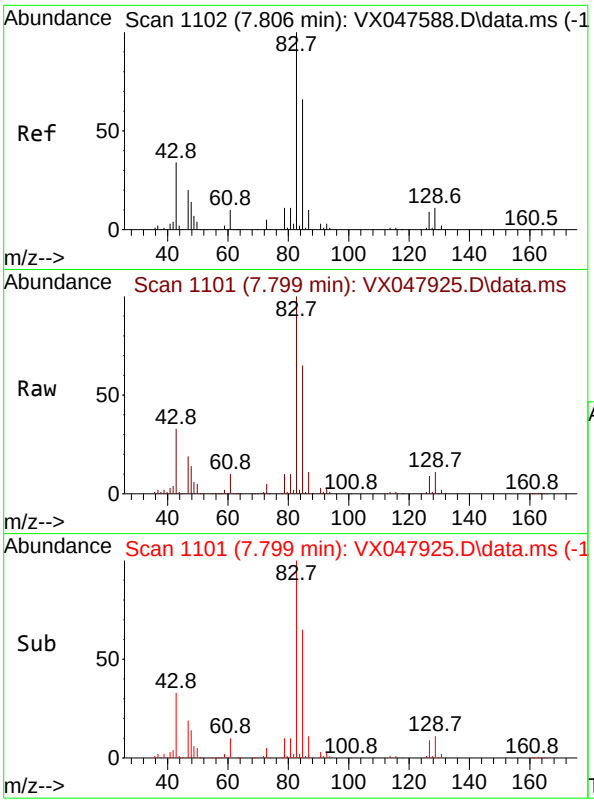


#46
Dibromomethane
Concen: 54.318 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 93 Resp: 78369

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	91.9	71.6	107.4

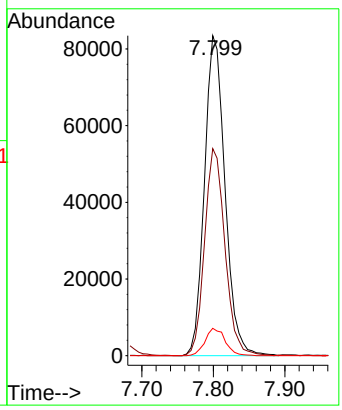




#47
Bromodichloromethane
Concen: 55.951 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 83 Resp: 16658

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	8.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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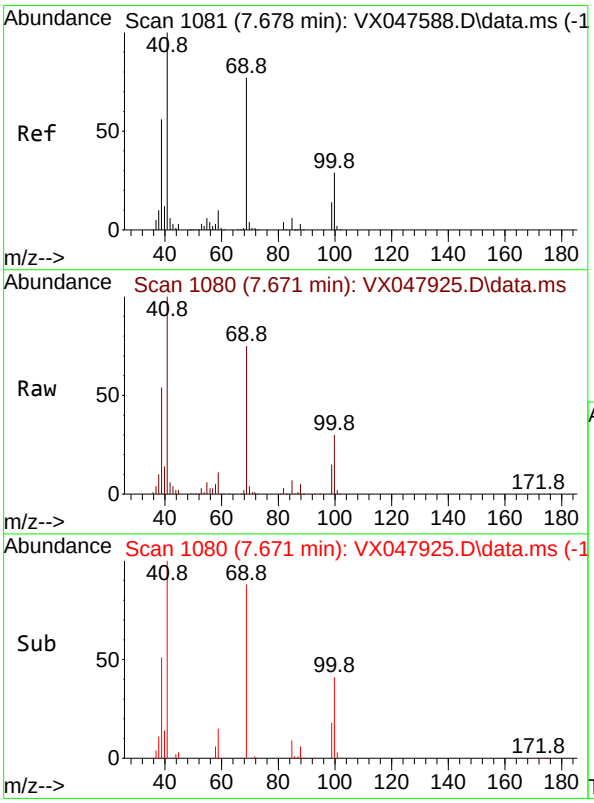
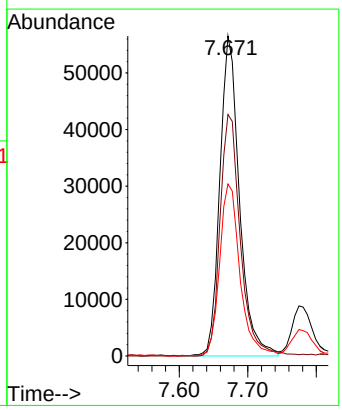
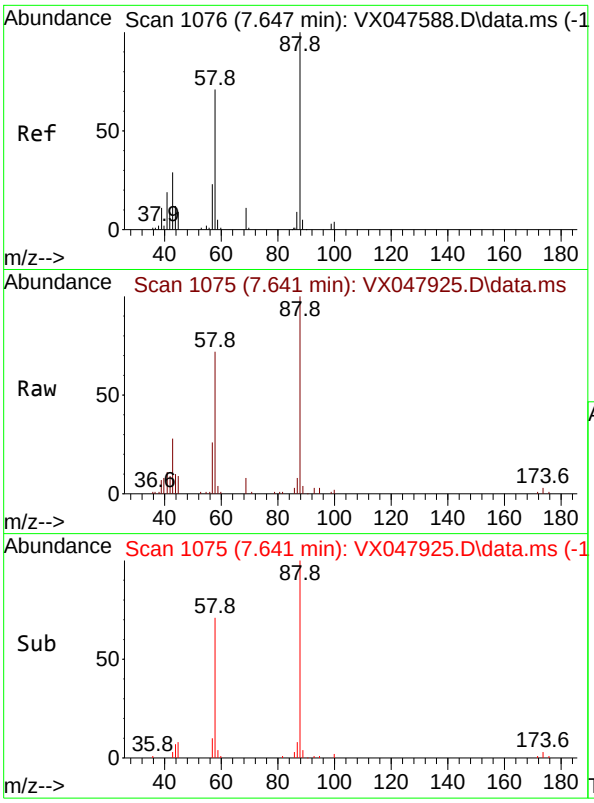


#48
Methyl methacrylate
Concen: 50.270 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 41 Resp: 112094

Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.4	92.2
39	55.9	45.8	68.6





#49
1,4-Dioxane
Concen: 1209.803 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 88 Resp: 2726

Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.2	45.2
58	73.7	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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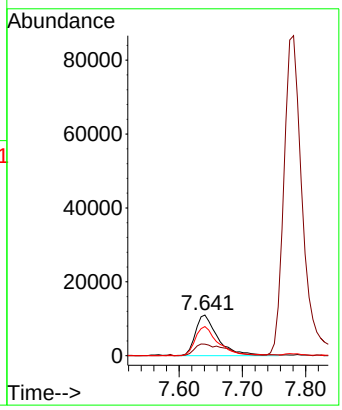
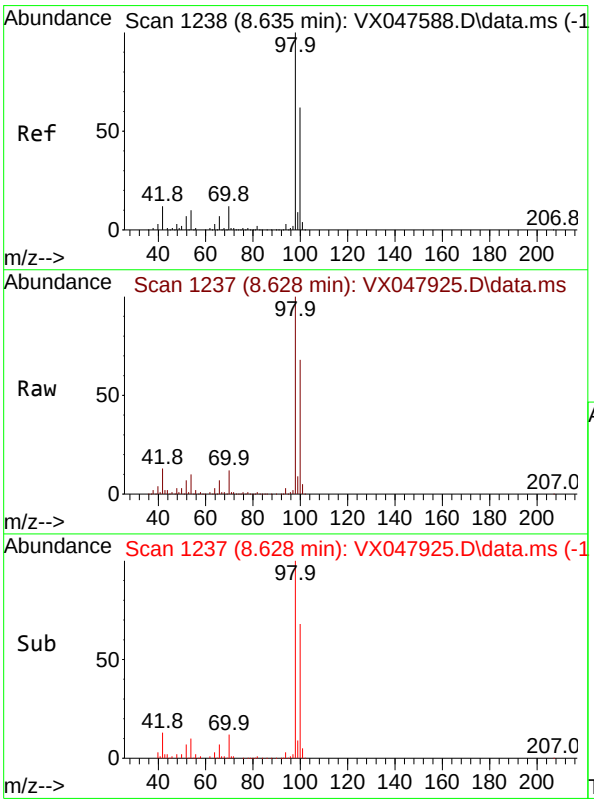
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

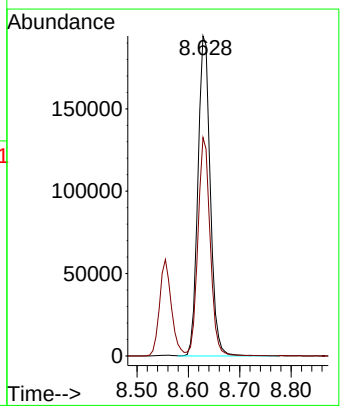


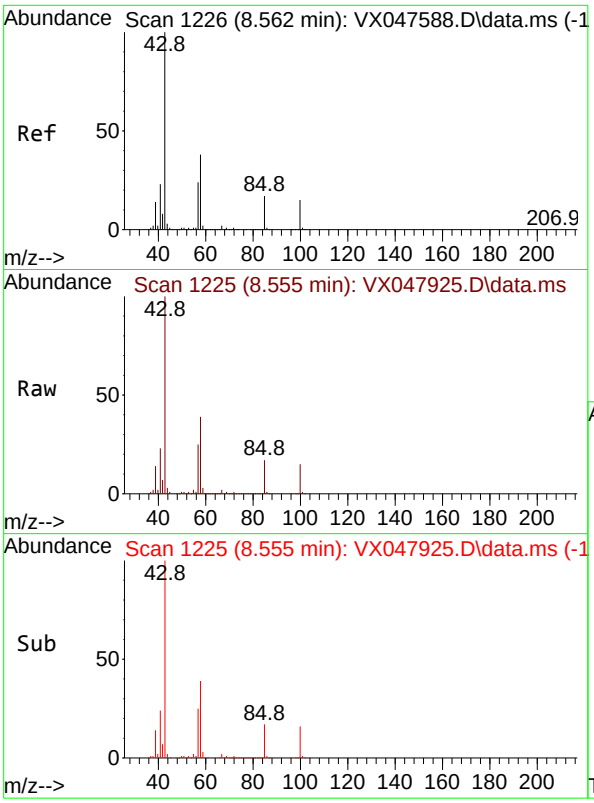


#50
Toluene-d8
Concen: 53.732 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 98 Resp: 324365

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4

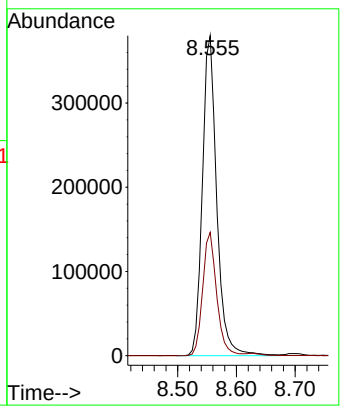




#51
4-Methyl-2-Pentanone
Concen: 258.676 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 64204

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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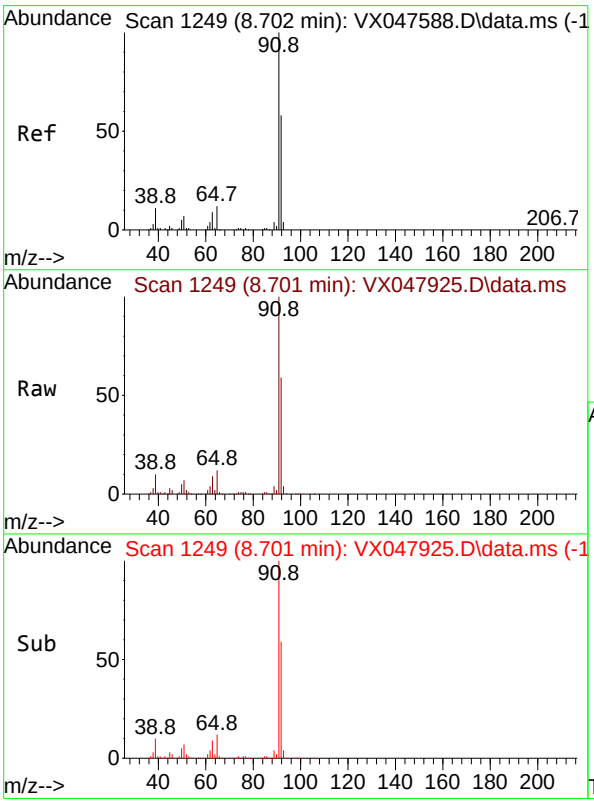
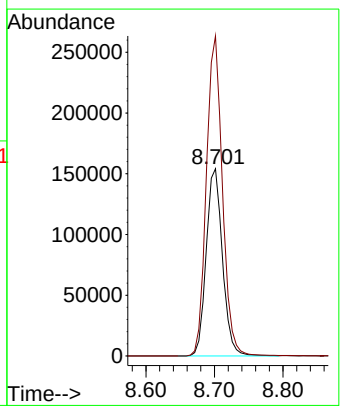
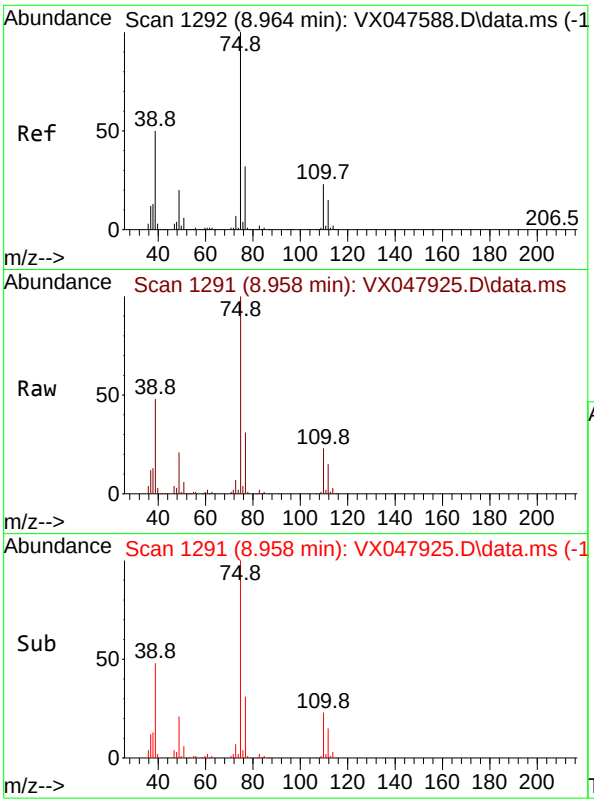


#52
Toluene
Concen: 53.340 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 92 Resp: 254447

Ion	Ratio	Lower	Upper
92	100		
91	169.0	137.1	205.7

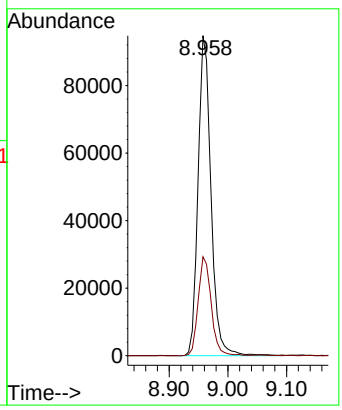




#53
t-1,3-Dichloropropene
Concen: 47.710 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 14488

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
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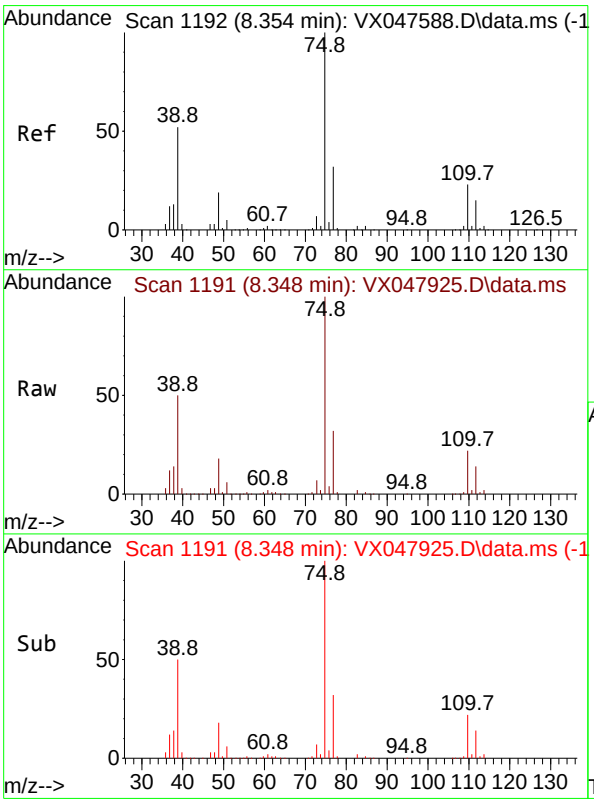
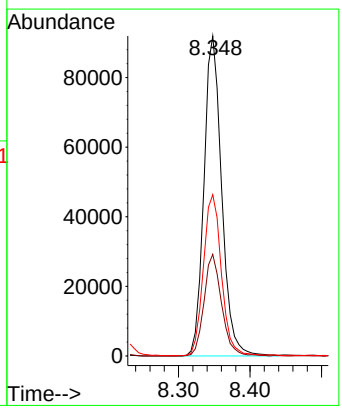
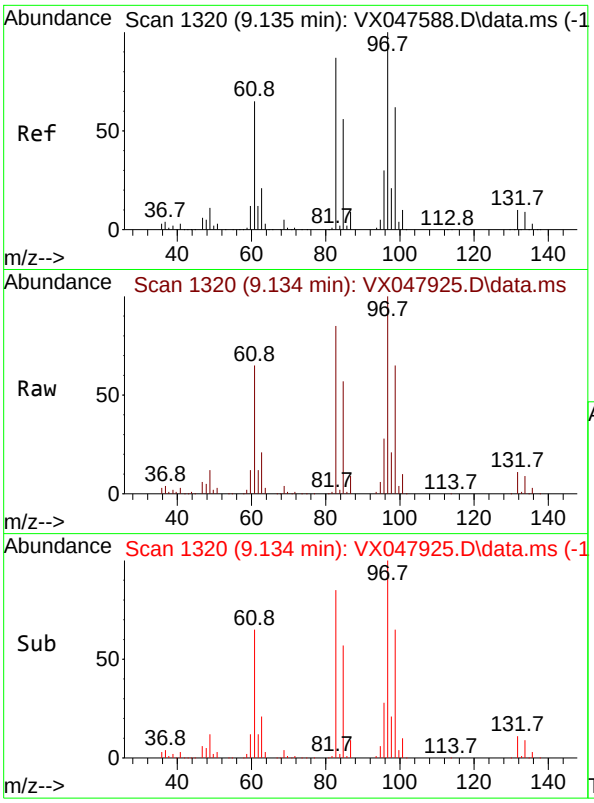


#54
cis-1,3-Dichloropropene
Concen: 48.855 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 158578

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6
39	50.3	41.4	62.2

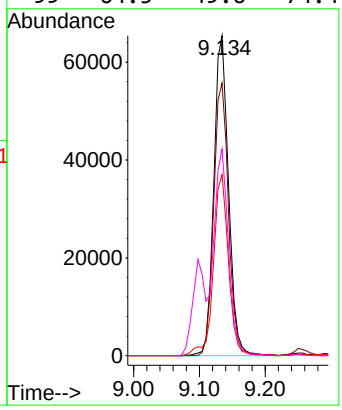




#55
1,1,2-Trichloroethane
Concen: 55.323 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 97 Resp: 10176

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	56.5	45.0	67.6
99	64.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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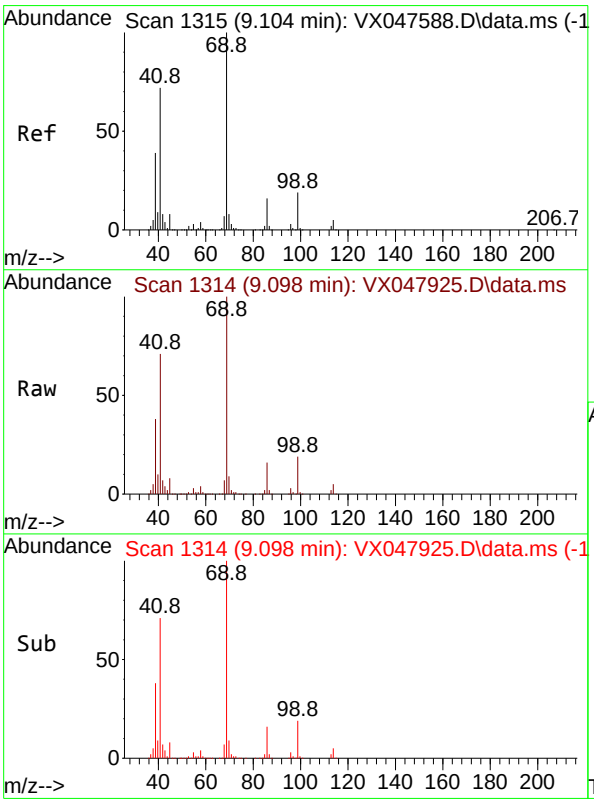
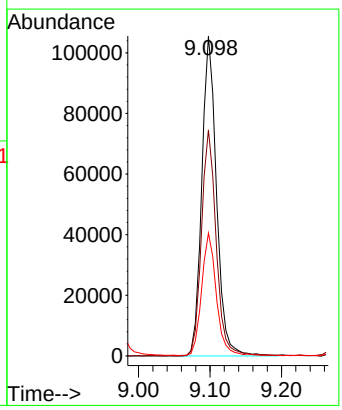
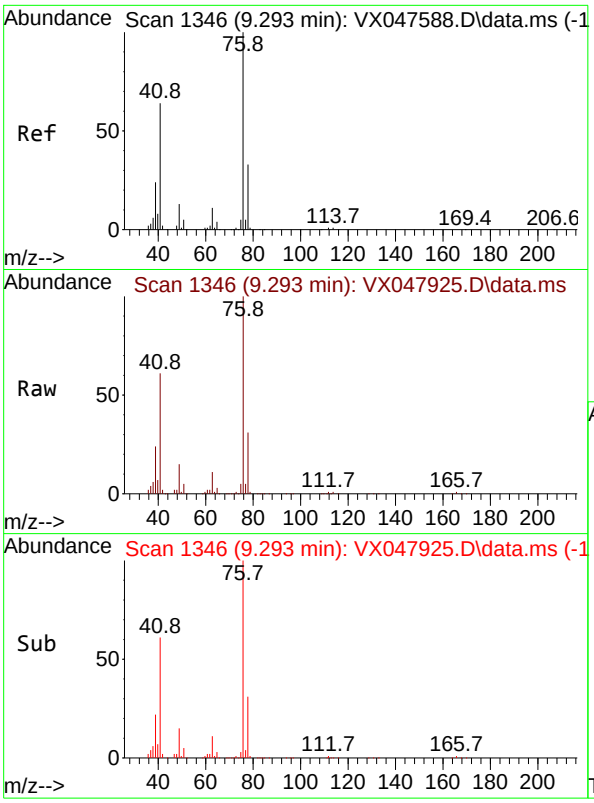


#56
Ethyl methacrylate
Concen: 52.318 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 69 Resp: 151133

Ion	Ratio	Lower	Upper
69	100		
41	71.1	58.6	87.8
39	38.1	31.5	47.3





#57
1,3-Dichloropropane
Concen: 55.091 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 76 Resp: 17407

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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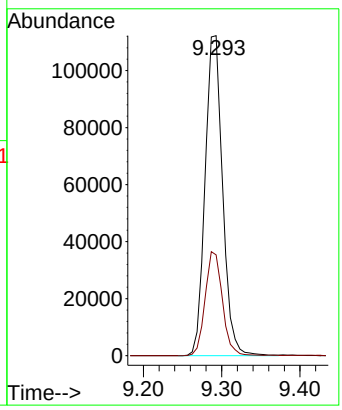
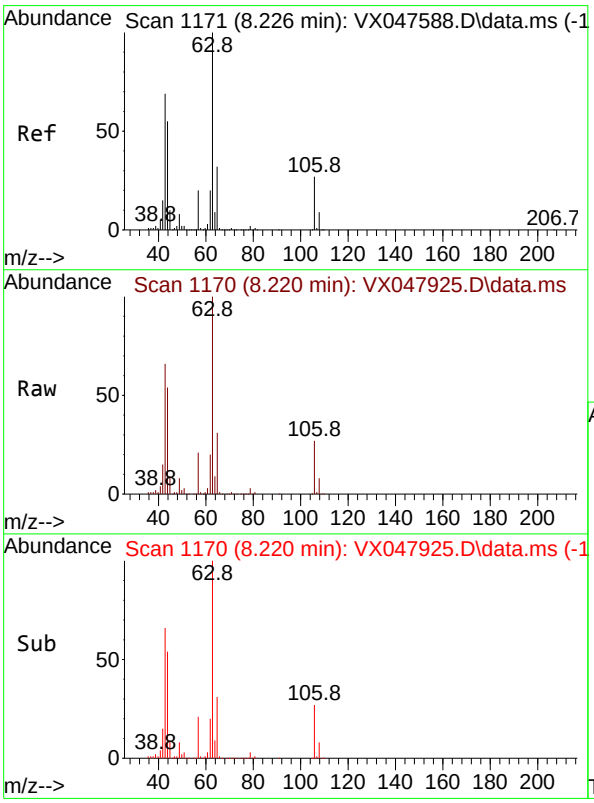
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

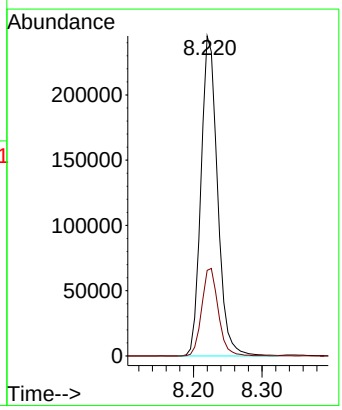


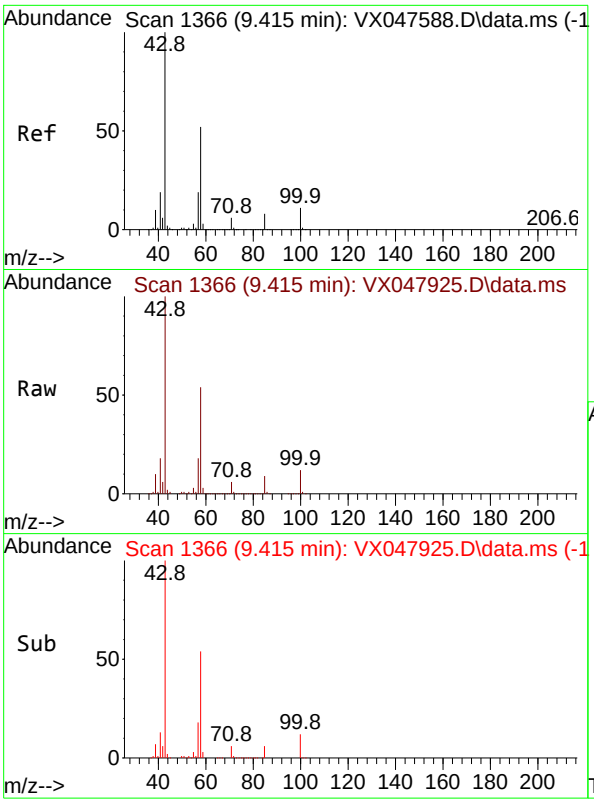


#58
2-Chloroethyl Vinyl ether
Concen: 295.242 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 63 Resp: 412325

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 242.438 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 43217

Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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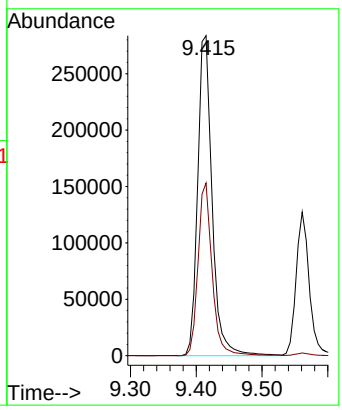
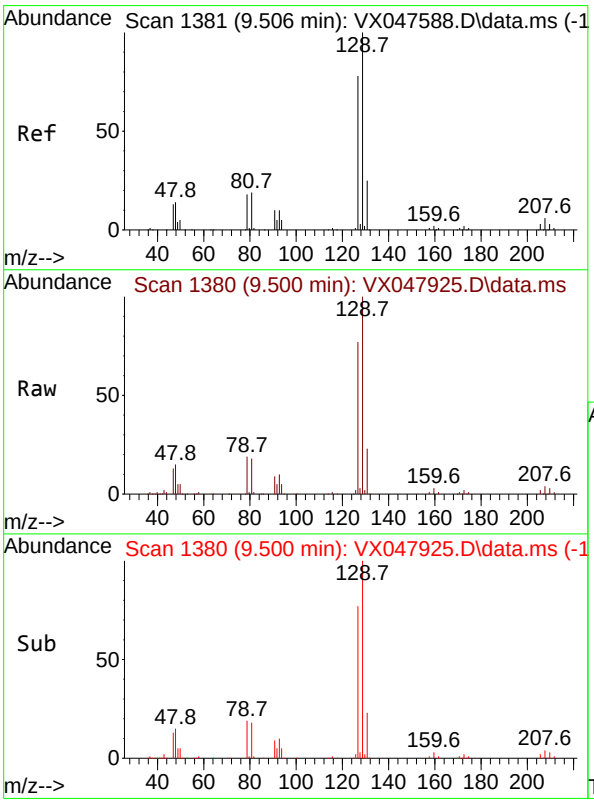
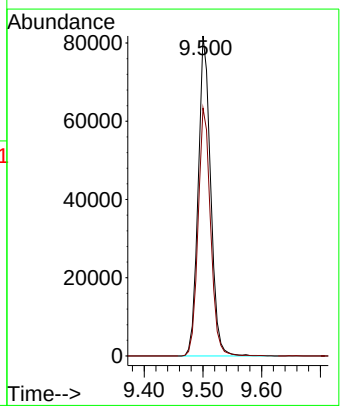


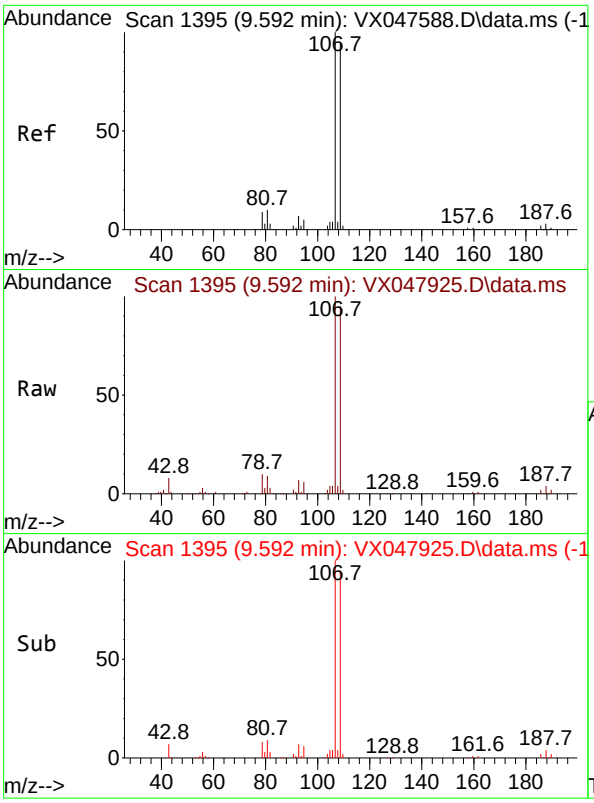


#60
Dibromochloromethane
Concen: 56.903 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:129 Resp: 120602

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2





#61
1,2-Dibromoethane
Concen: 54.808 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:107 Resp: 10268

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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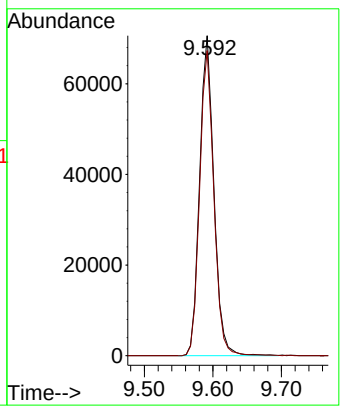
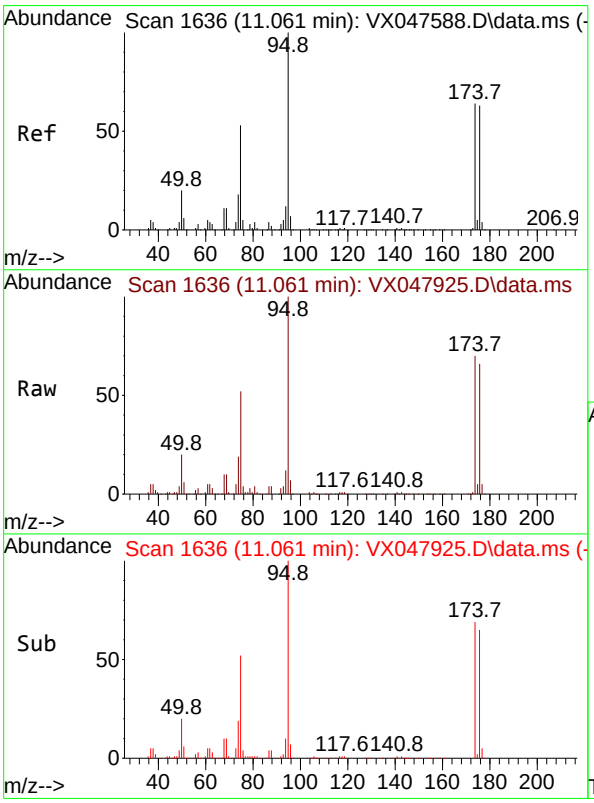
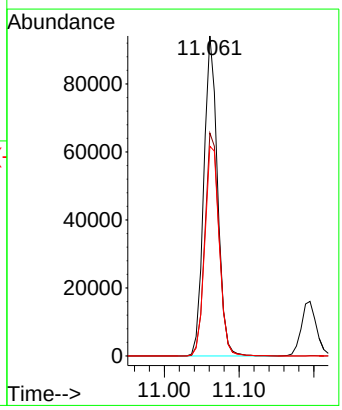


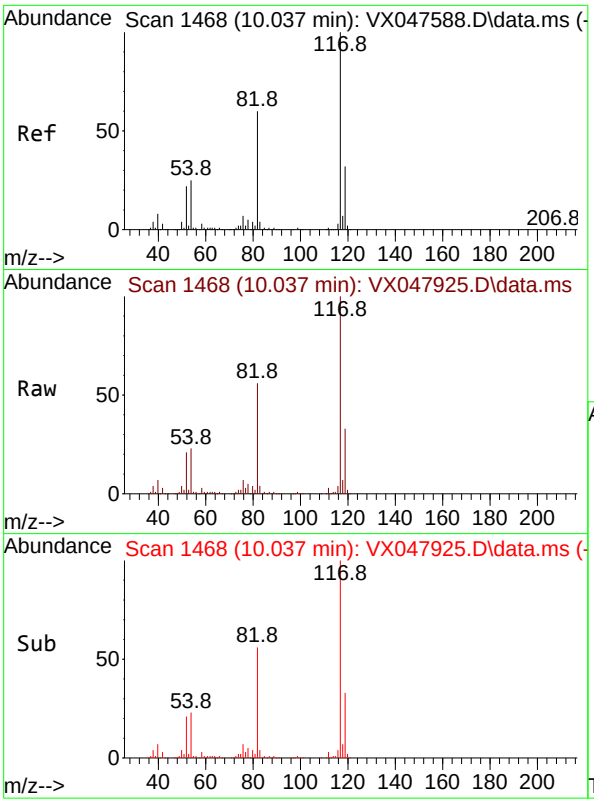


#62
4-Bromofluorobenzene
Concen: 52.260 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 95 Resp: 119729

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	141.6
176	69.2	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:117 Resp: 23041

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.5	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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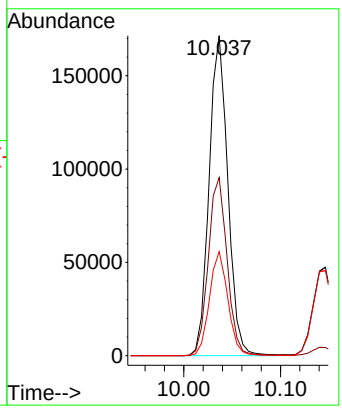
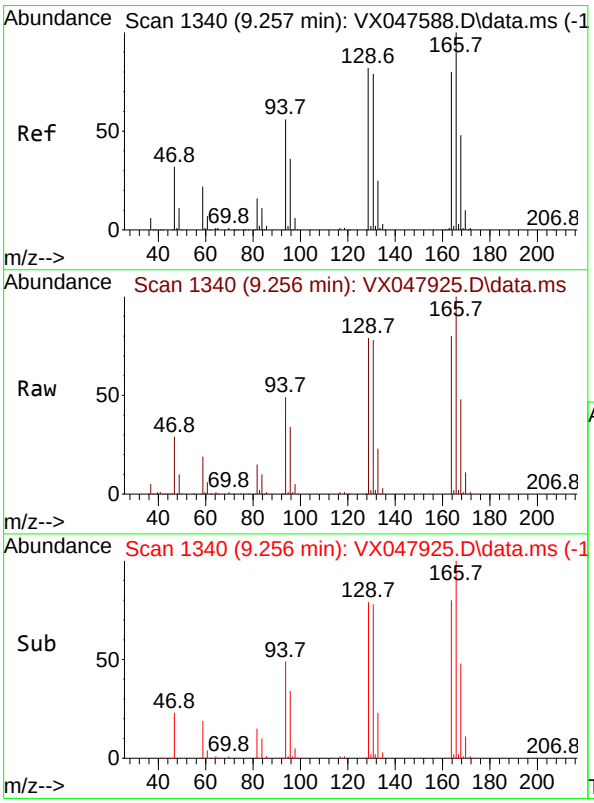
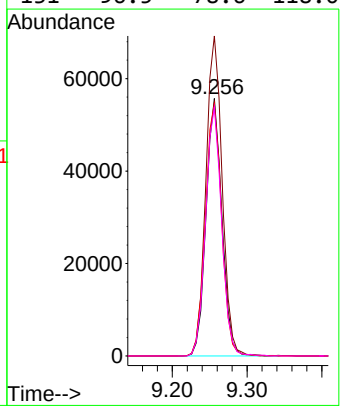


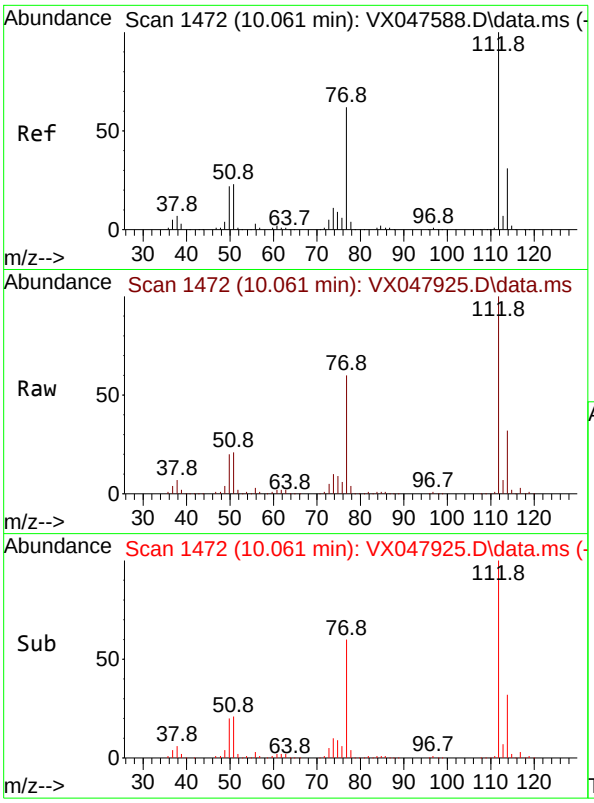


#64
Tetrachloroethene
Concen: 54.742 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:164 Resp: 82226

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.2	150.2
129	98.3	81.8	122.6
131	96.5	78.6	118.0





#65
Chlorobenzene
Concen: 53.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:112 Resp: 28142

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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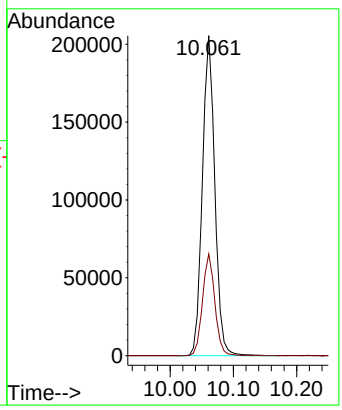
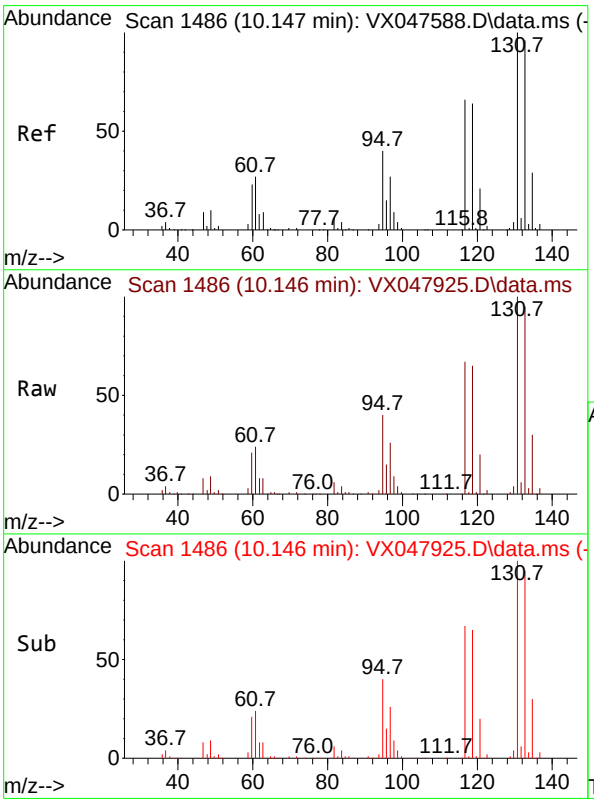
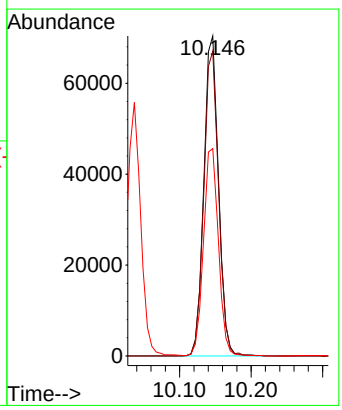


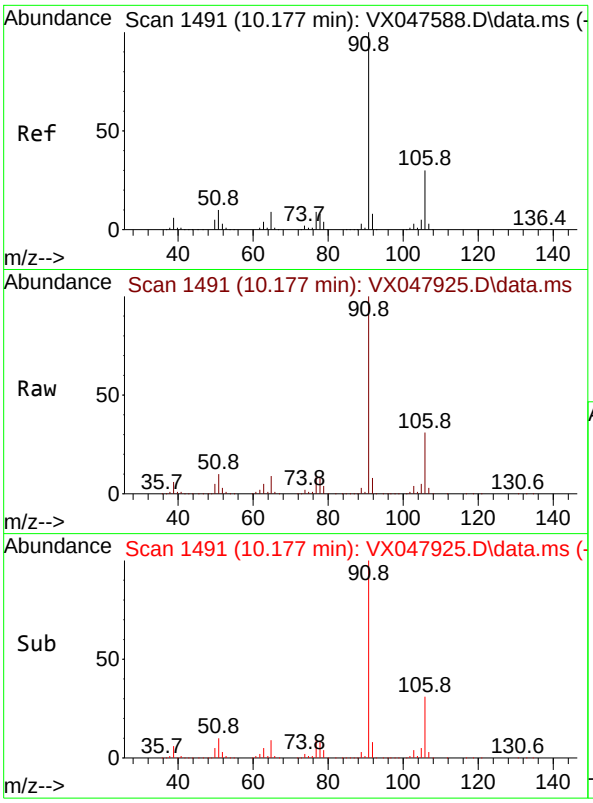


#66
1,1,1,2-Tetrachloroethane
Concen: 55.573 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:131 Resp: 100383

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	142.0
119	66.1	32.0	96.0





#67
Ethyl Benzene
Concen: 52.134 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 47086

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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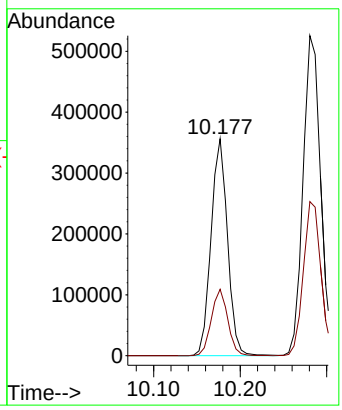
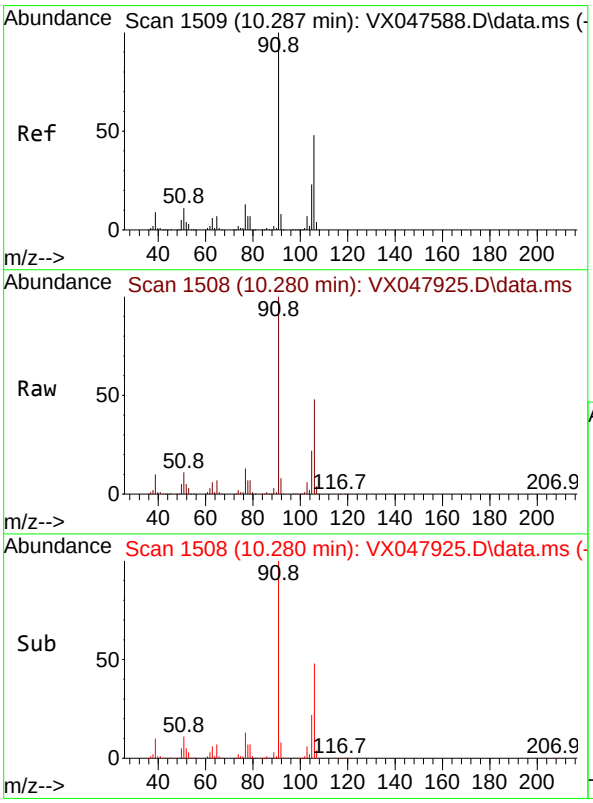
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

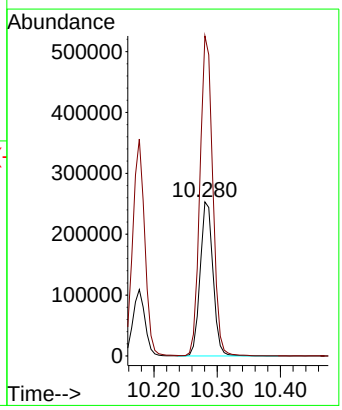


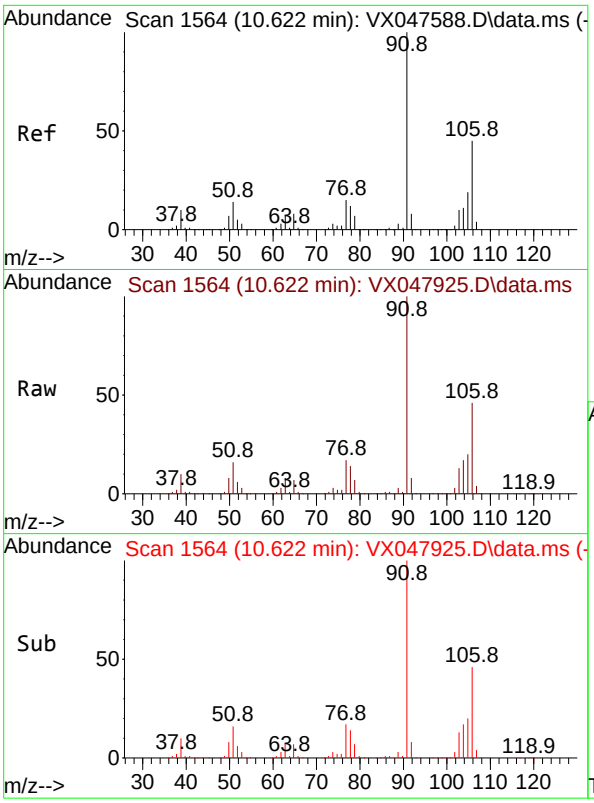


#68
m/p-Xylenes
Concen: 106.525 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:106 Resp: 358108

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.8	251.8





#69
o-Xylene
Concen: 53.429 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:106 Resp: 17372

Ion	Ratio	Lower	Upper
106	100		
91	218.2	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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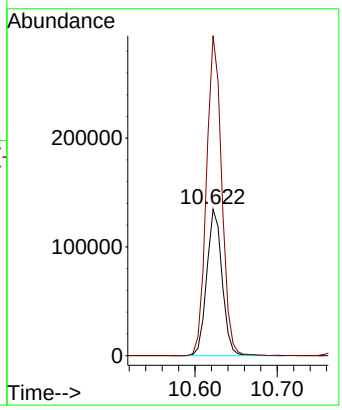
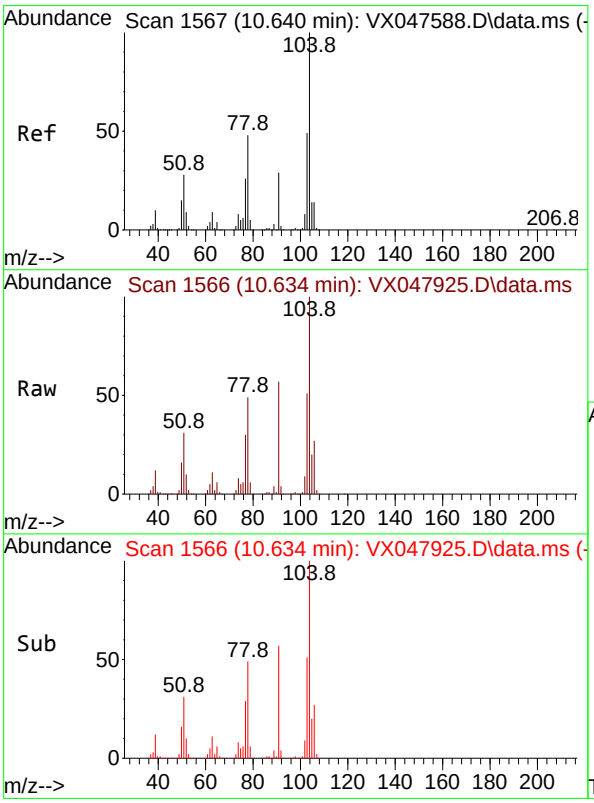
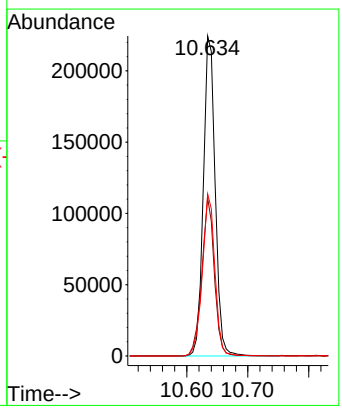


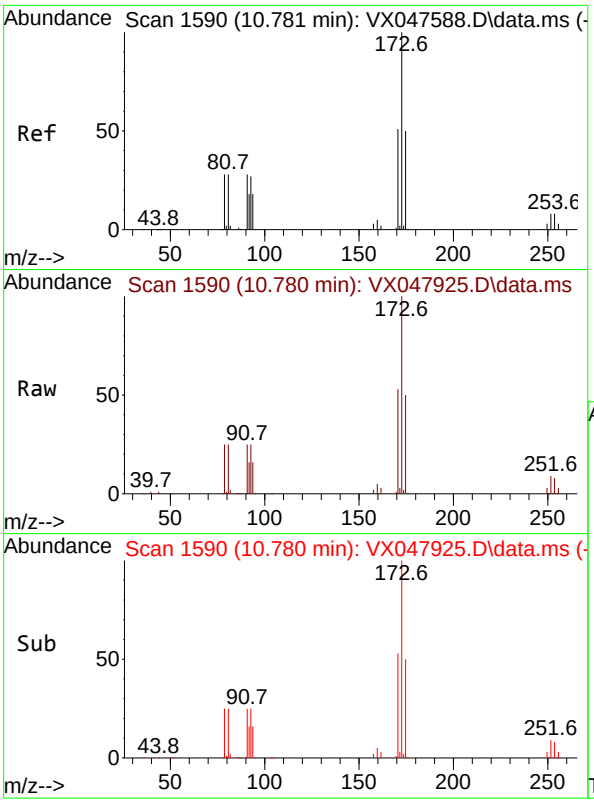


#70
Styrene
Concen: 53.445 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:104 Resp: 304498

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	53.7	43.1	64.7

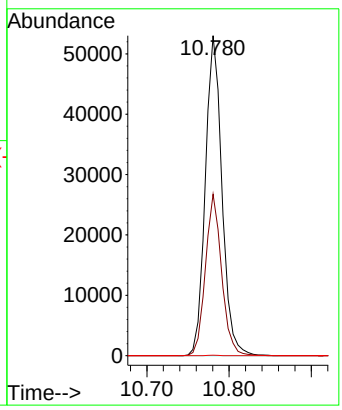




#71
Bromoform
Concen: 55.193 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:173 Resp: 7444

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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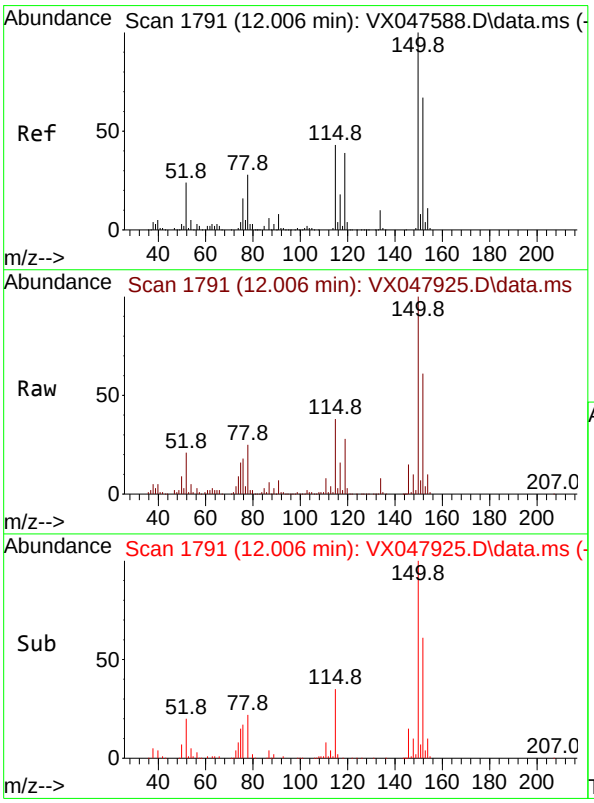
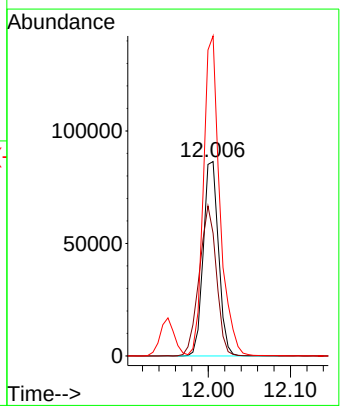
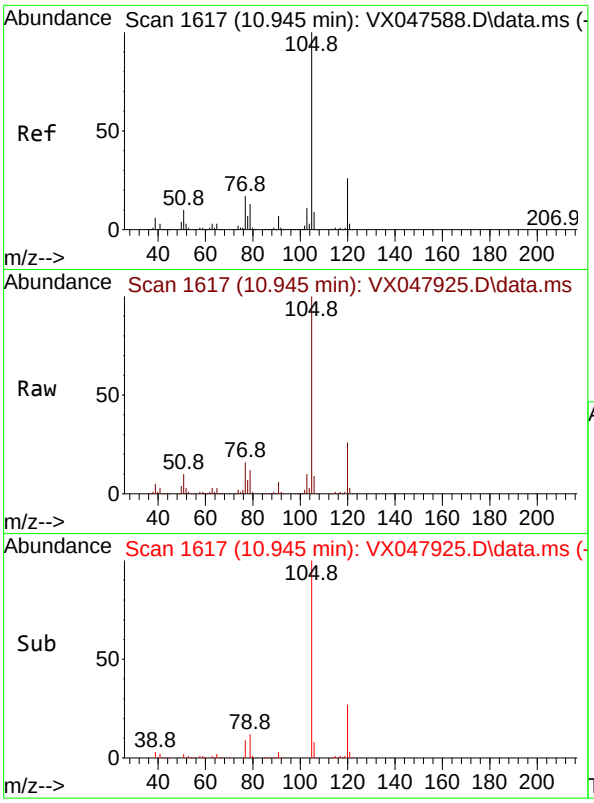


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:152 Resp: 111244

Ion	Ratio	Lower	Upper
152	100		
115	87.0	44.9	134.5
150	176.4	0.0	352.0

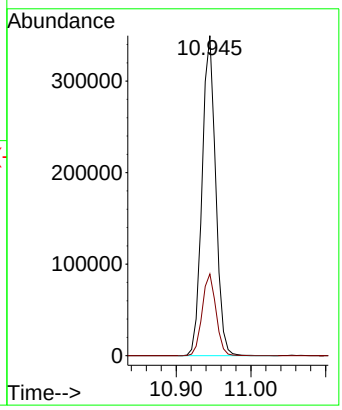




#73
Isopropylbenzene
Concen: 52.083 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:105 Resp: 44049

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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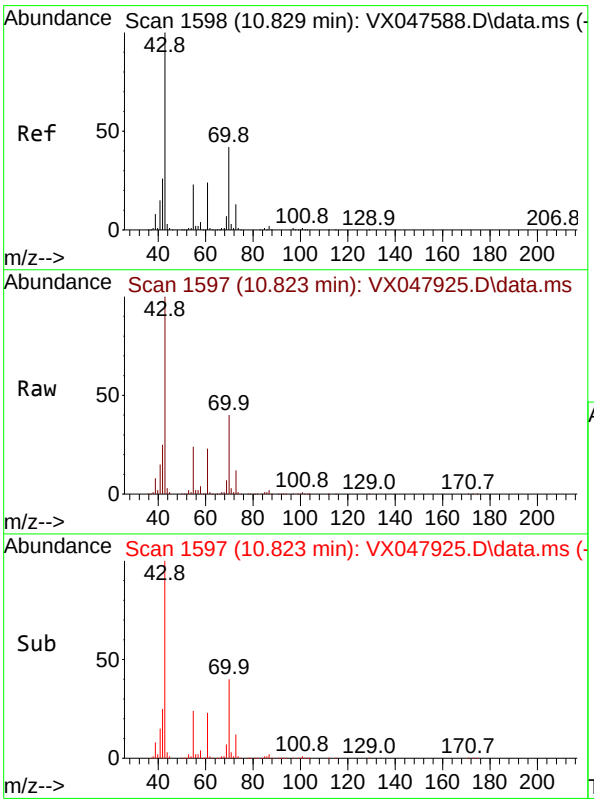
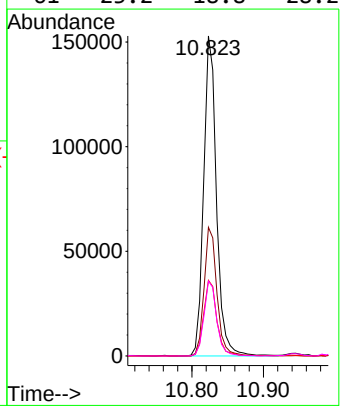
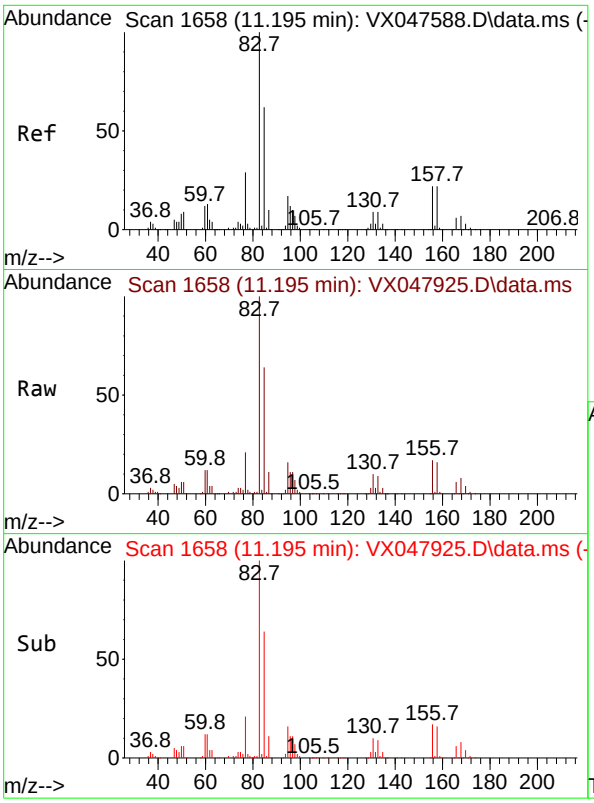


#74
N-amyl acetate
Concen: 49.514 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 190962

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	24.4	18.9	28.3
61	23.2	18.8	28.2

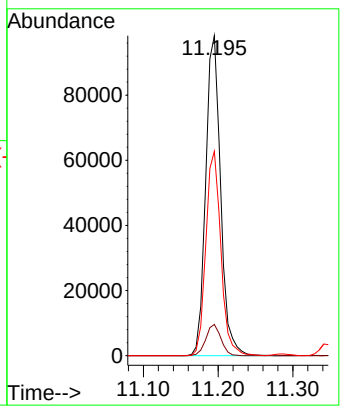




#75
1,1,2,2-Tetrachloroethane
Concen: 53.118 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 83 Resp: 13591

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.4	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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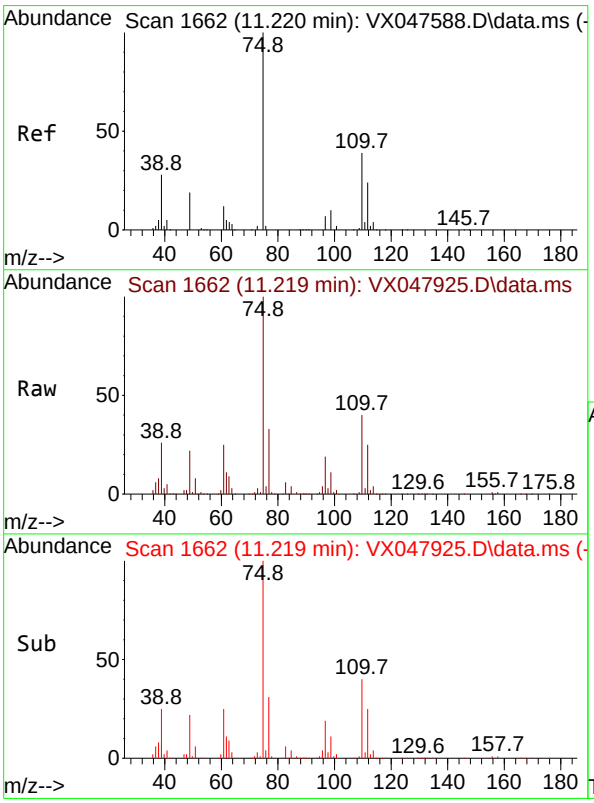
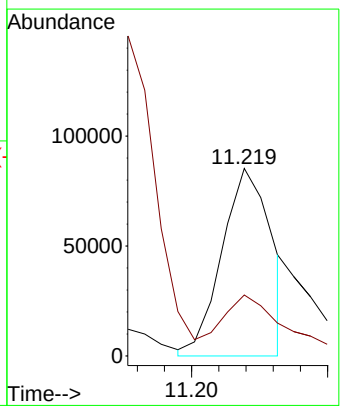
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

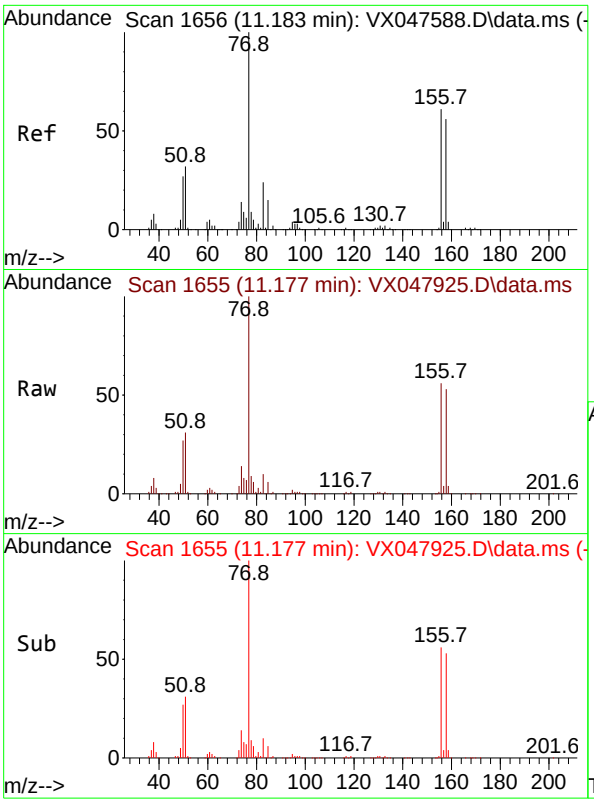


#76
1,2,3-Trichloropropane
Concen: 47.914 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 107919

Ion	Ratio	Lower	Upper
75	100		
77	42.3	18.8	56.4





#77
Bromobenzene
Concen: 52.694 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:156 Resp: 10976

Ion	Ratio	Lower	Upper
156	100		
77	171.2	89.7	269.1
158	96.8	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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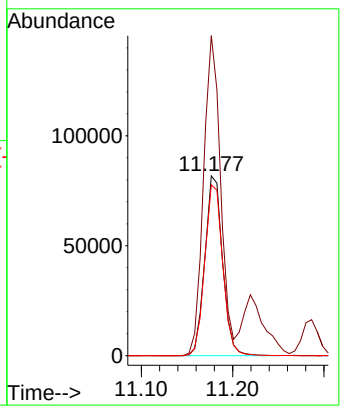
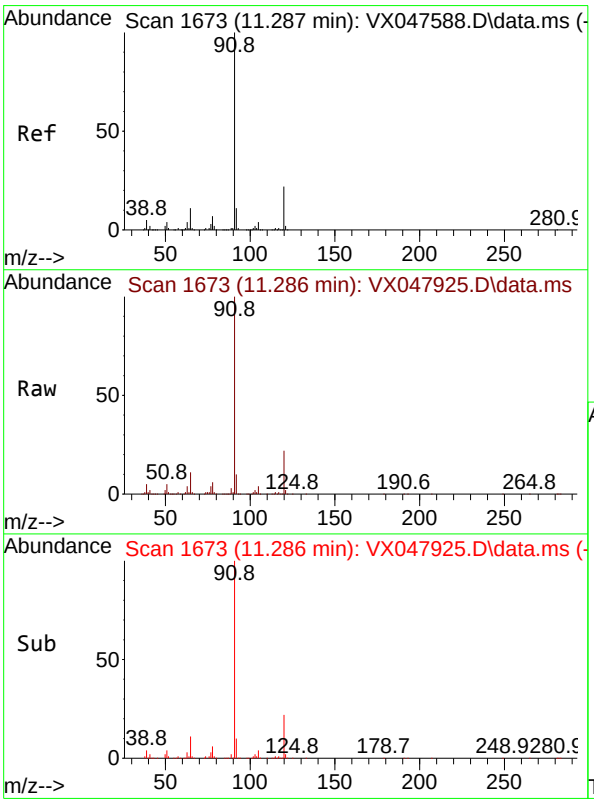
Supervised By :Mahesh Dadoda 10/03/2025

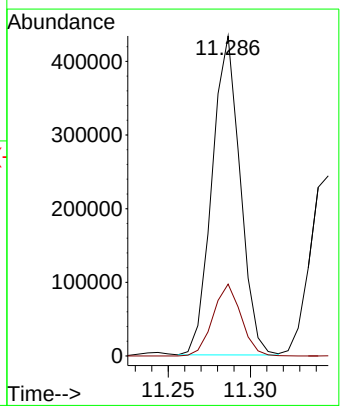


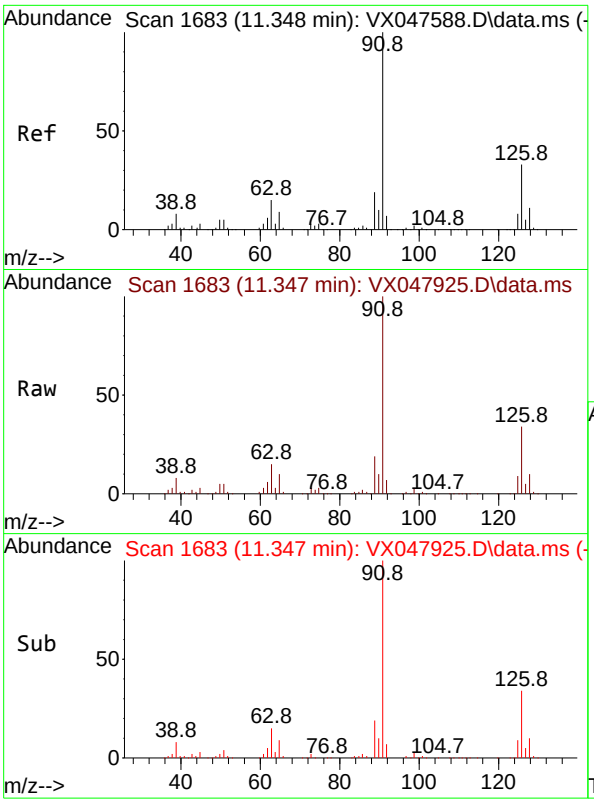


#78
n-propylbenzene
Concen: 51.568 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 515569

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1





#79
2-Chlorotoluene
Concen: 51.452 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 31506

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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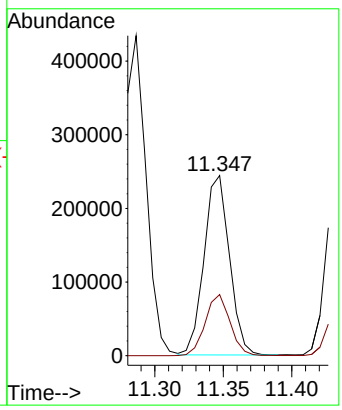
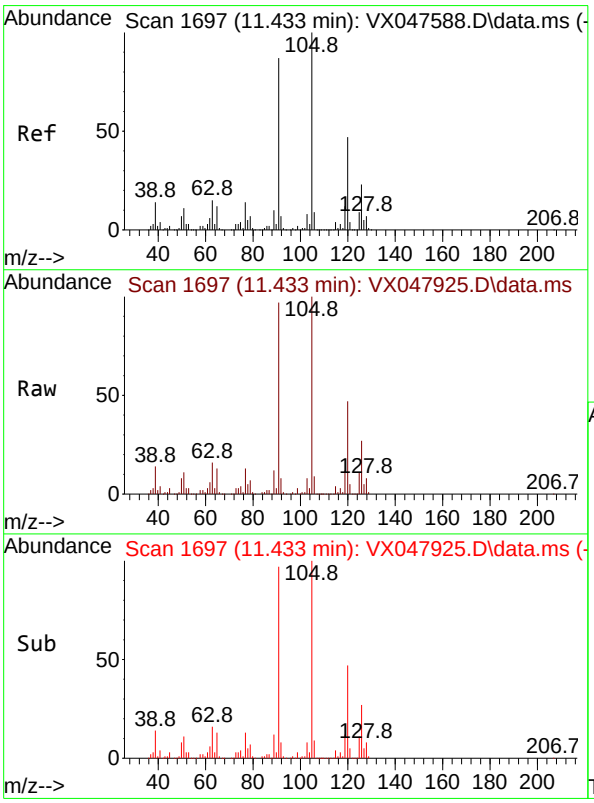
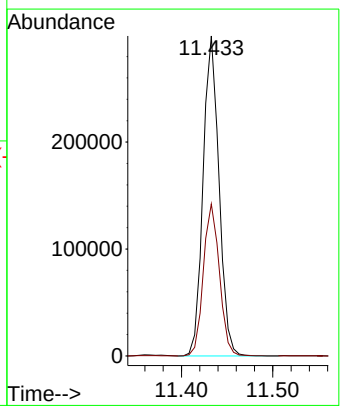


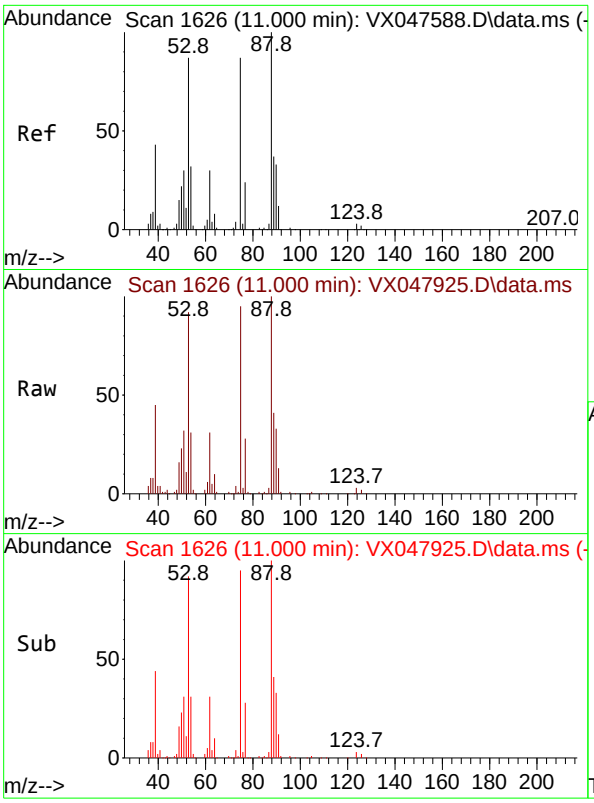


#80
1,3,5-Trimethylbenzene
Concen: 51.887 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:105 Resp: 360539

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 37.213 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 3286

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	46.7	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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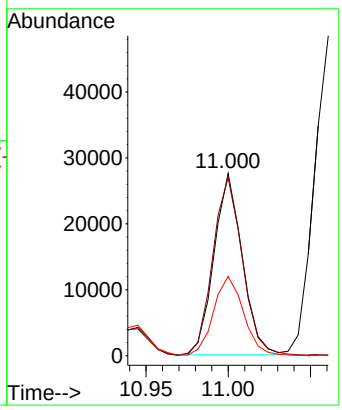
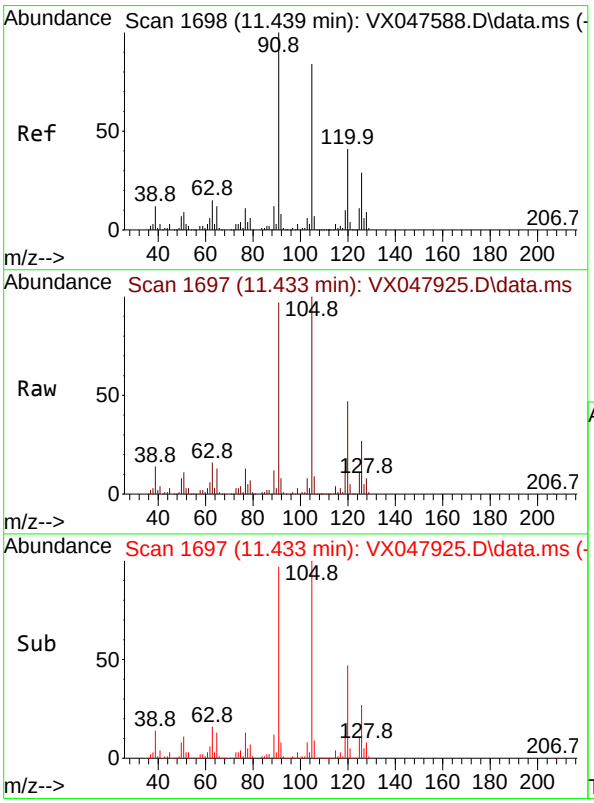
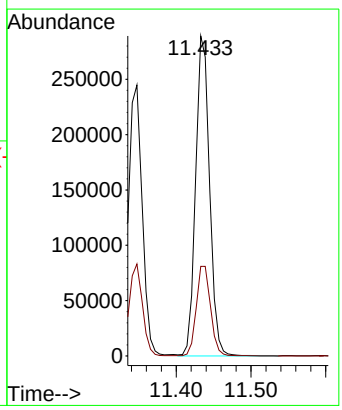


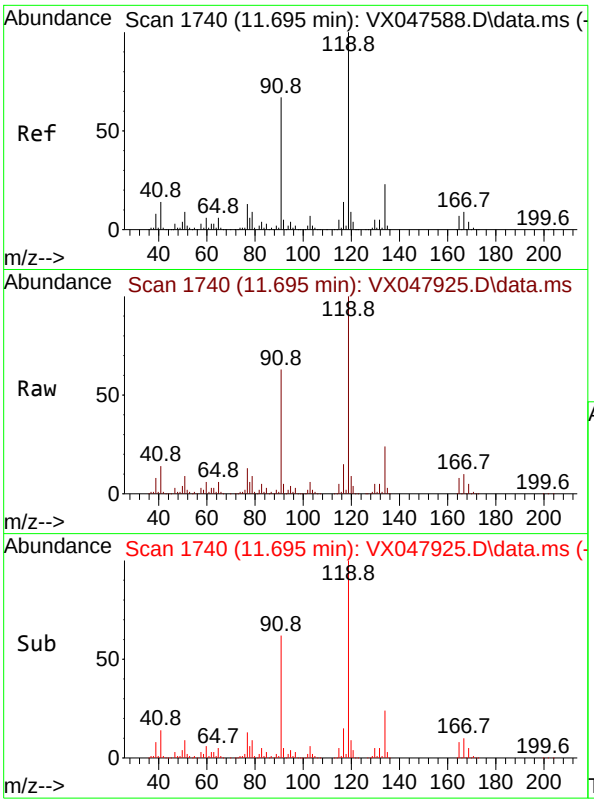


#82
4-Chlorotoluene
Concen: 51.748 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 374249

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6

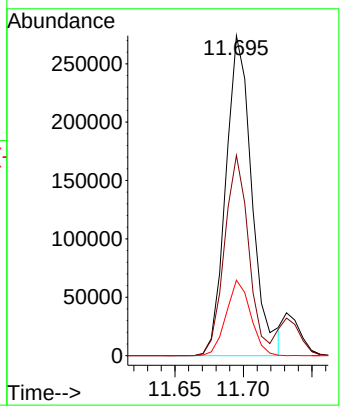




#83
tert-Butylbenzene
Concen: 51.119 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:119 Resp: 36361

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.1	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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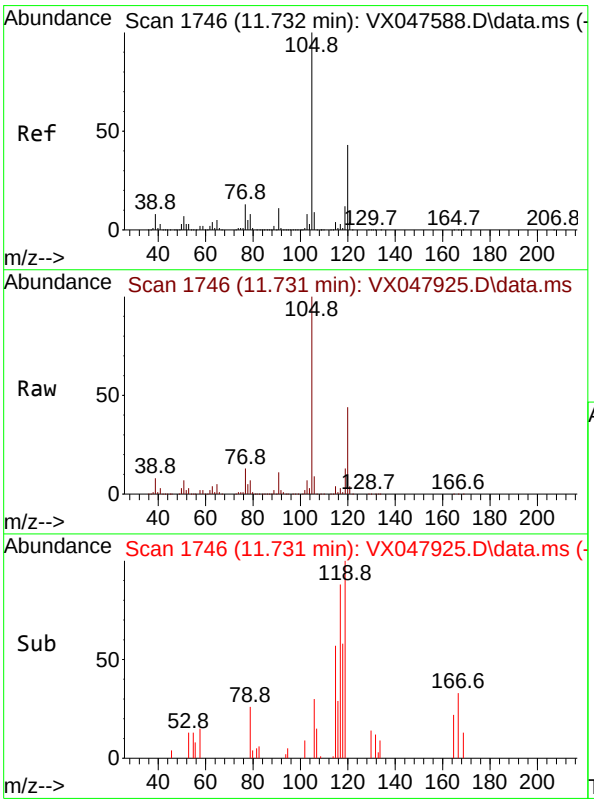
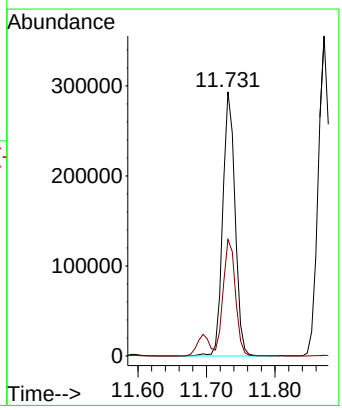
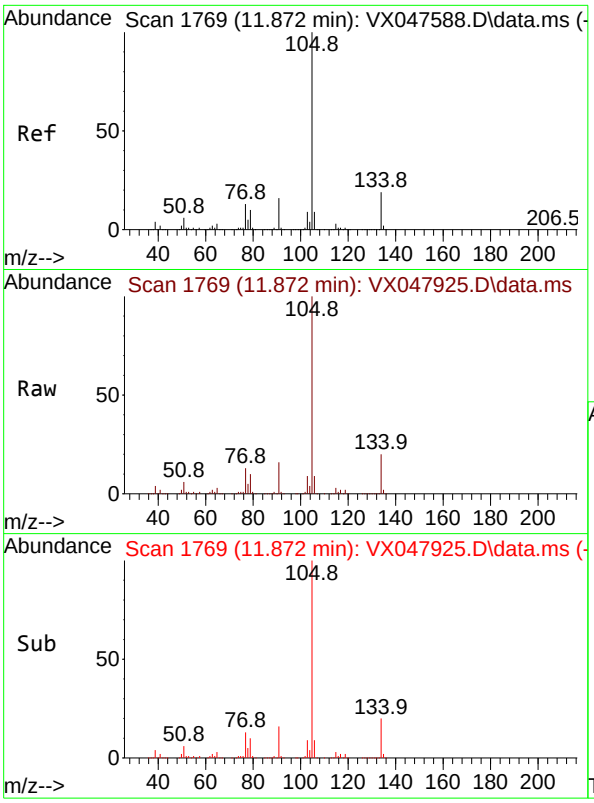


#84
1,2,4-Trimethylbenzene
Concen: 51.497 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:105 Resp: 362779

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

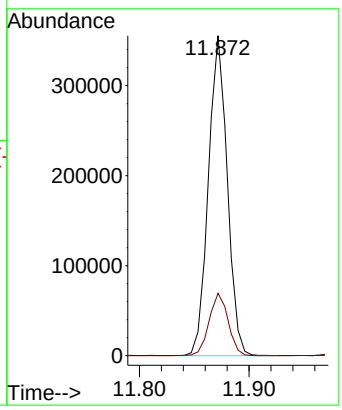




#85
sec-Butylbenzene
Concen: 50.330 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:105 Resp: 42523

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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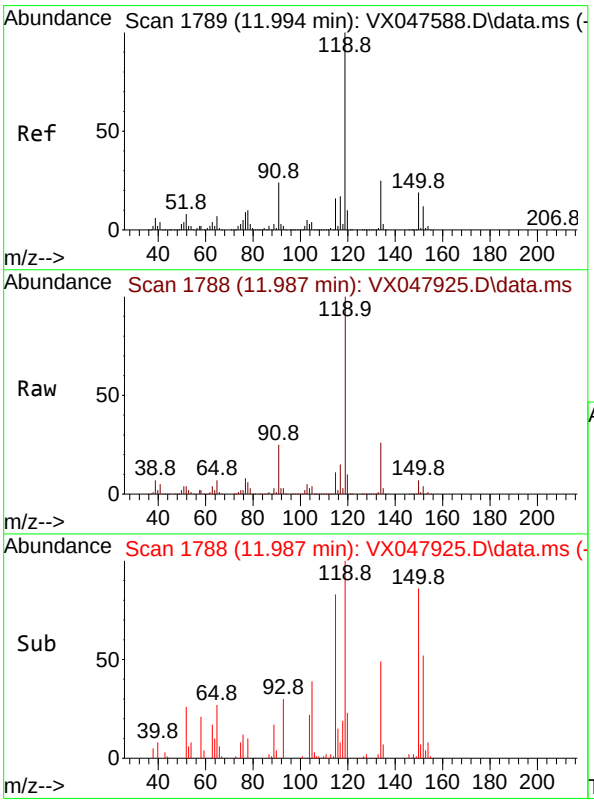
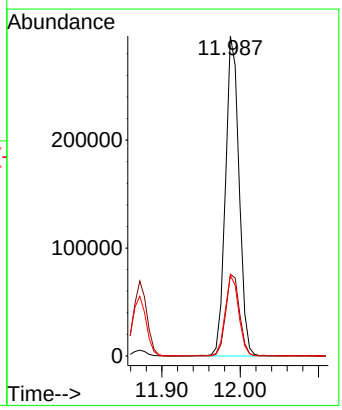
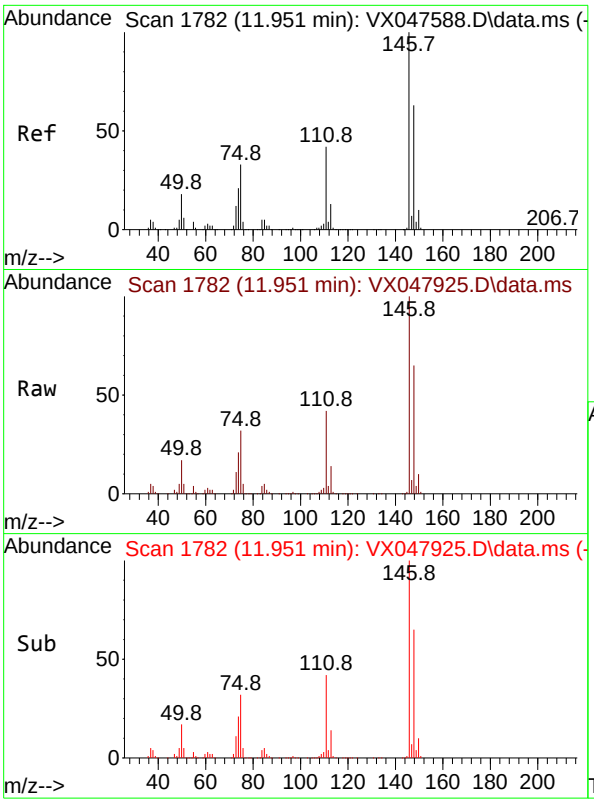


#86
p-Isopropyltoluene
Concen: 50.113 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:119 Resp: 358451

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.0	12.6	37.6

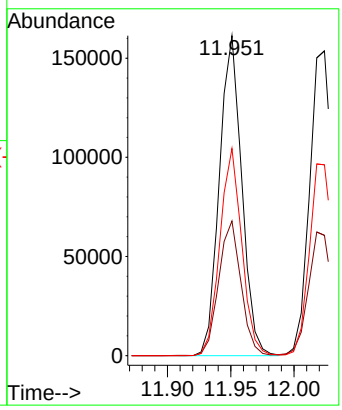




#87
1,3-Dichlorobenzene
Concen: 51.263 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:146 Resp: 19833

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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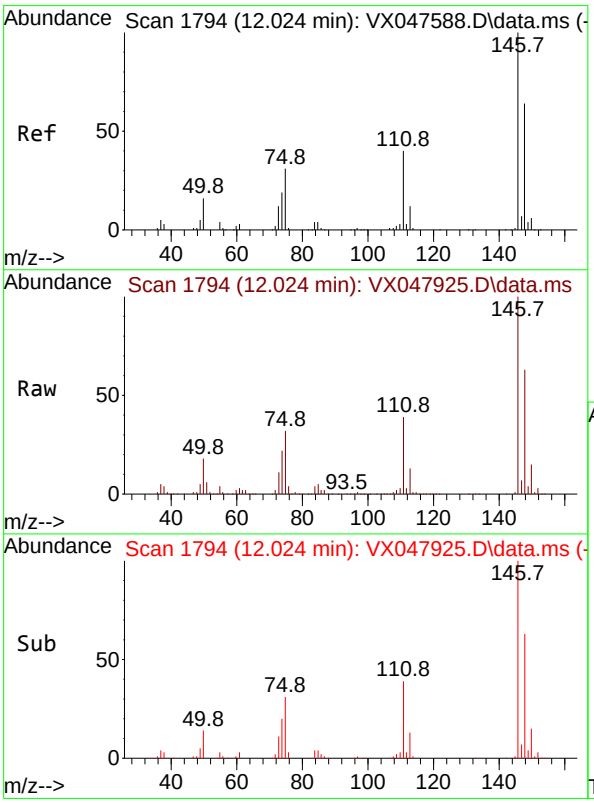
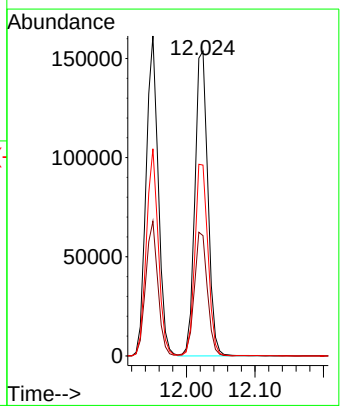
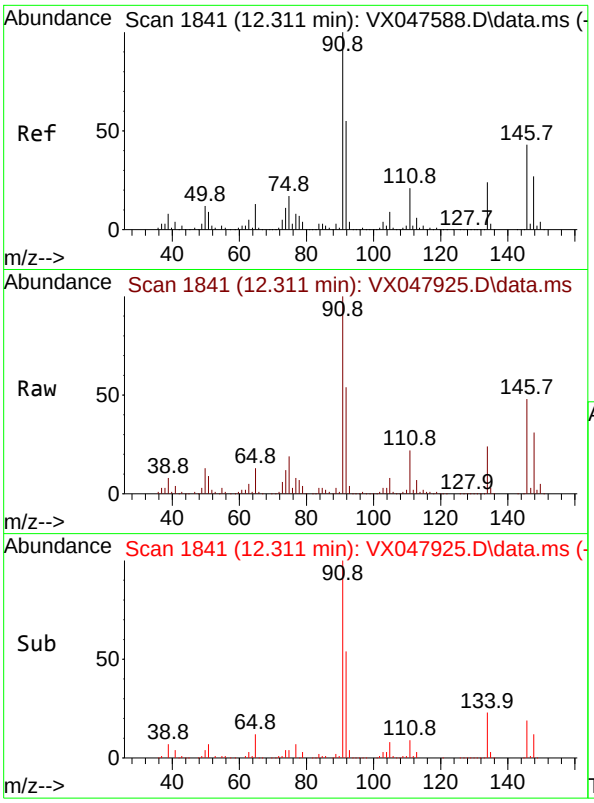


#88
1,4-Dichlorobenzene
Concen: 51.006 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:146 Resp: 202543

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	63.6	31.7	95.1





#89
n-Butylbenzene
Concen: 48.778 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 32284

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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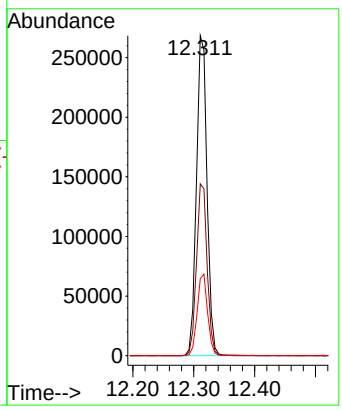
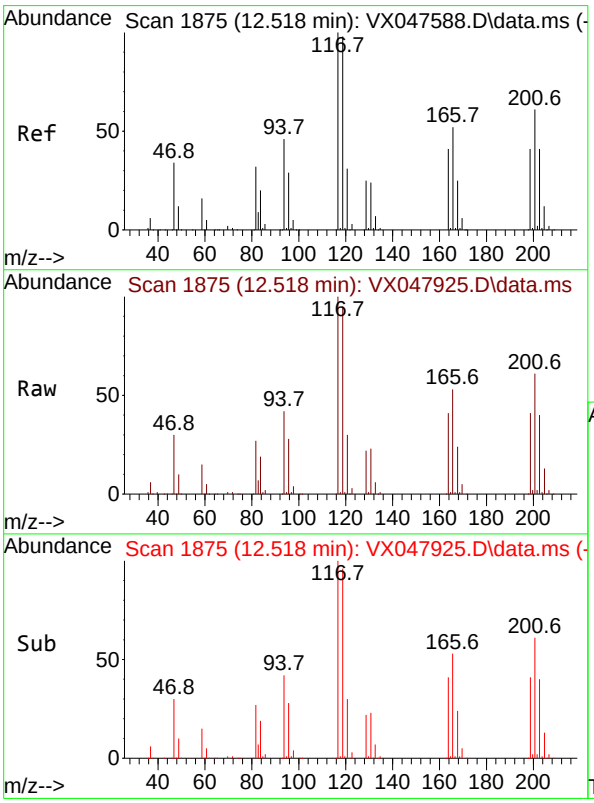
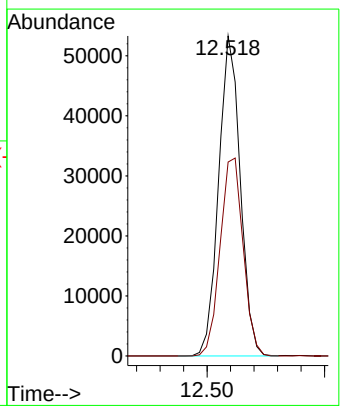


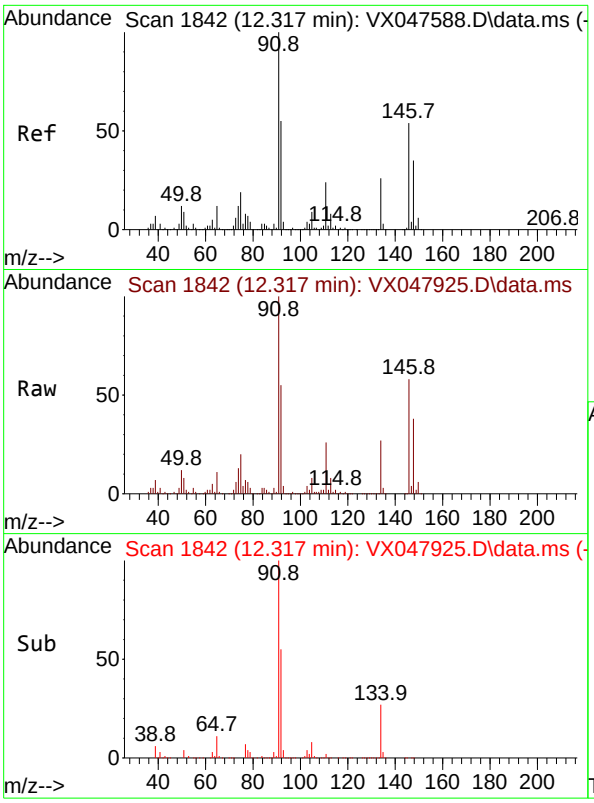


#90
Hexachloroethane
Concen: 54.313 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:117 Resp: 68208

Ion	Ratio	Lower	Upper
117	100		
201	65.8	34.2	102.5

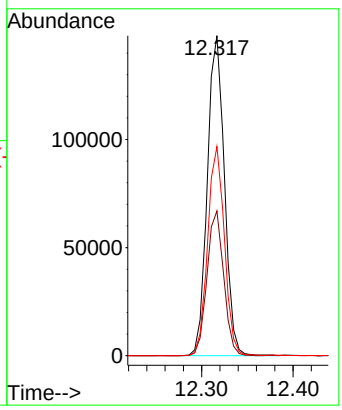




#91
1,2-Dichlorobenzene
Concen: 51.946 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:146 Resp: 19147

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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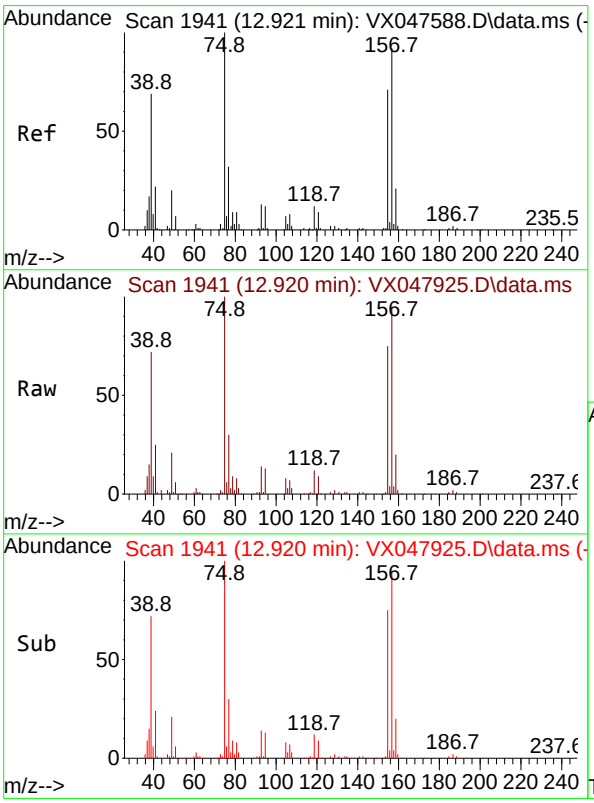
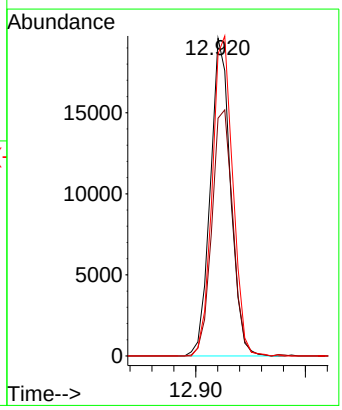
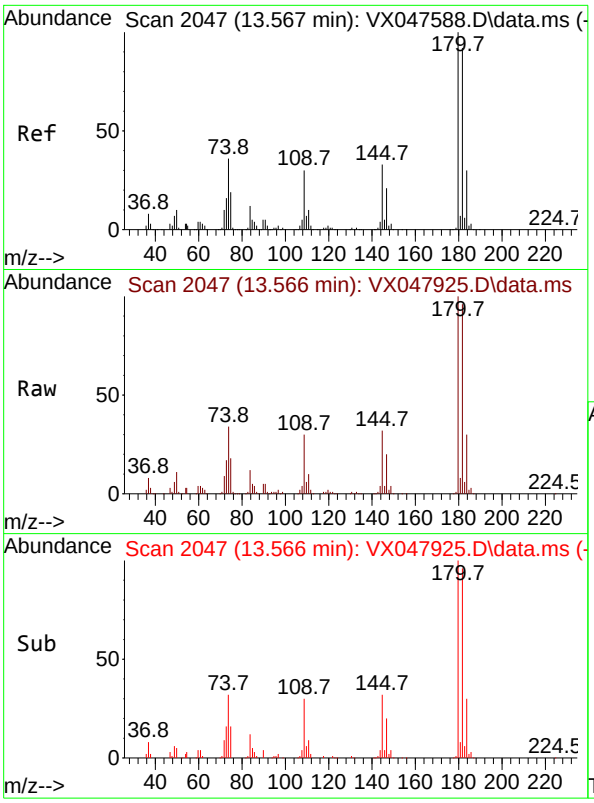


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.313 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 25029

Ion	Ratio	Lower	Upper
75	100		
155	80.7	37.7	113.1
157	102.9	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 47.915 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:180 Resp: 11478

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	32.8	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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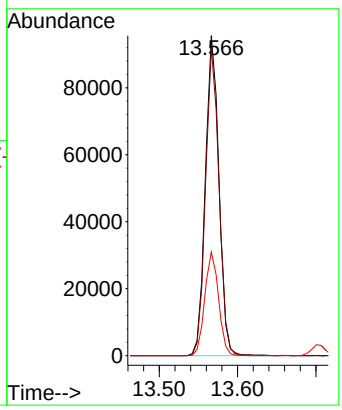
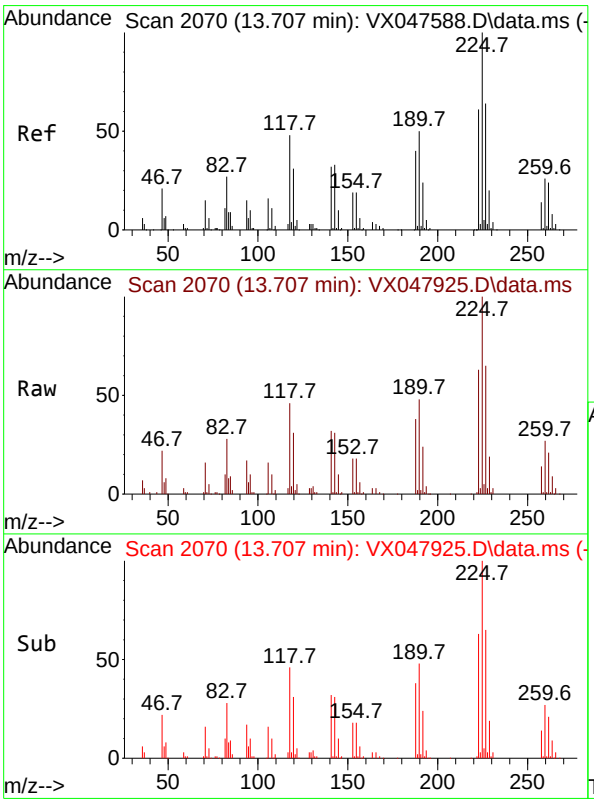
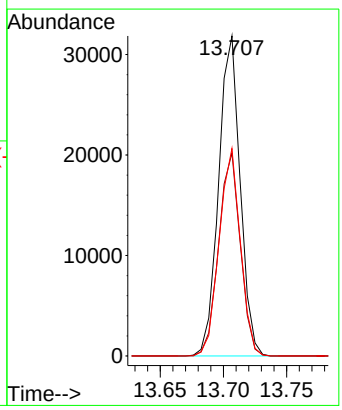


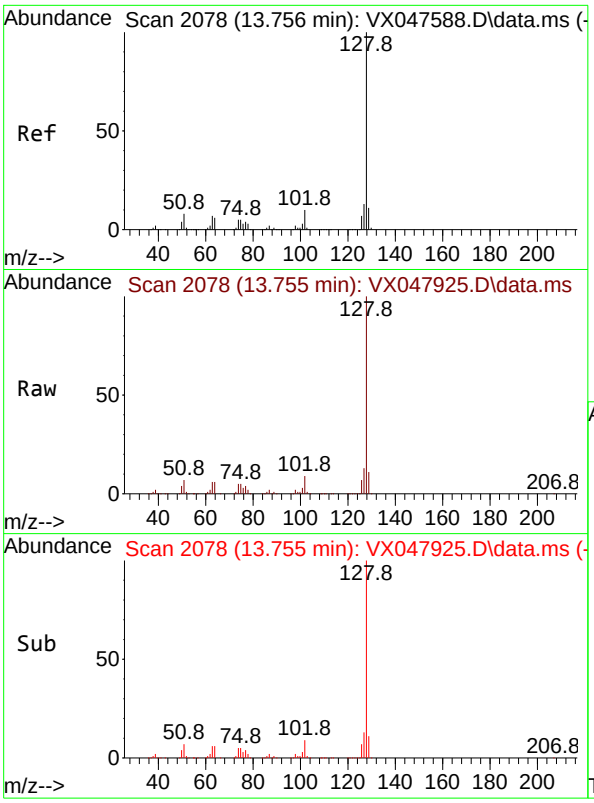


#94
Hexachlorobutadiene
Concen: 46.175 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:225 Resp: 37573

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.0	32.0	96.0

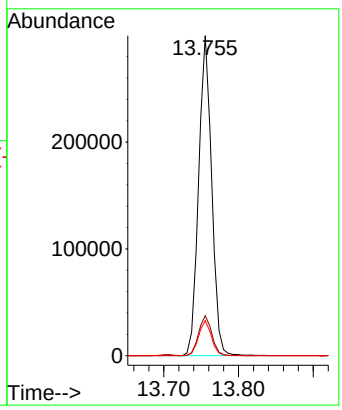




#95
Naphthalene
Concen: 49.706 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:128 Resp: 36259

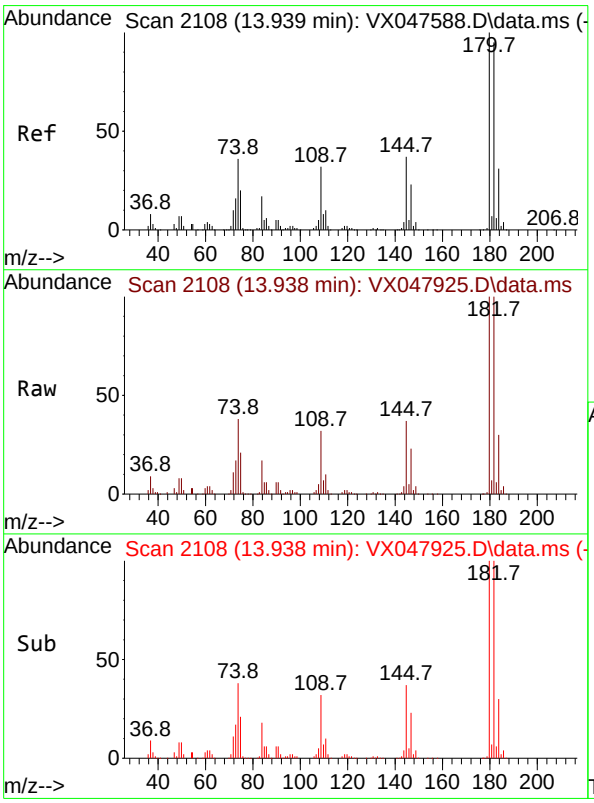
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

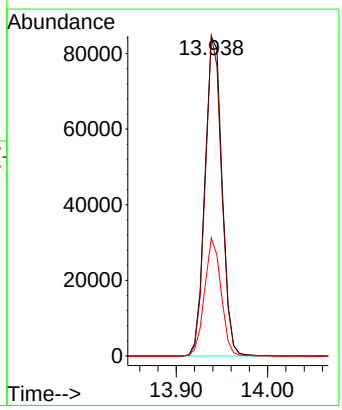
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.057 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:180 Resp: 109321

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	35.6	17.9	53.7



Sample Results: **VX047925.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	83	-0.01
2	T	Dichlorodifluoromethane	0.518	0.630	-21.6	105	0.00
3	P	Chloromethane	0.680	0.763	-12.2	96	0.00
4	C	Vinyl Chloride	0.666	0.789	-18.5#	100	0.00
5	T	Bromomethane	0.422	0.481	-14.0	95	0.00
6	T	Chloroethane	0.445	0.523	-17.5	99	0.00
7	T	Trichlorofluoromethane	0.989	1.186	-19.9	99	0.00
8	T	Diethyl Ether	0.405	0.464	-14.6	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.665	-15.1	95	0.00
10	T	Methyl Iodide	0.902	0.862	4.4	79	0.00
11	T	Tert butyl alcohol	0.089	0.081	9.0	76	0.00
12	CM	1,1-Dichloroethene	0.594	0.683	-15.0#	94	0.00
13	T	Acrolein	0.082	0.057	30.5#	58	0.00
14	T	Allyl chloride	1.226	1.149	6.3	79	0.00
15	T	Acrylonitrile	0.328	0.373	-13.7	90	-0.01
16	T	Acetone	0.346	0.301	13.0	79	0.00
17	T	Carbon Disulfide	1.626	1.764	-8.5	94	0.00
18	T	Methyl Acetate	0.770	0.930	-20.8	89	0.00
19	T	Methyl tert-butyl Ether	2.169	2.411	-11.2	89	0.00
20	T	Methylene Chloride	0.732	0.834	-13.9	95	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.724	-13.1	93	0.00
22	T	Diisopropyl ether	2.376	2.738	-15.2	92	-0.01
23	T	Vinyl Acetate	1.901	2.074	-9.1	87	0.00
24	P	1,1-Dichloroethane	1.263	1.467	-16.2	94	0.00
25	T	2-Butanone	0.432	0.425	1.6	81	0.00
26	T	2,2-Dichloropropane	1.050	0.556	47.0#	43#	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.862	-10.1	89	-0.01
28	T	Bromochloromethane	0.551	0.703	-27.6#	102	-0.02
29	T	Tetrahydrofuran	0.260	0.272	-4.6	82	0.00
30	C	Chloroform	1.276	1.485	-16.4#	94	0.00
31	T	Cyclohexane	1.052	1.052	0.0	85	0.00
32	T	1,1,1-Trichloroethane	1.082	1.218	-12.6	90	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.862	-8.3	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.335	0.378	-12.8	97	0.00
36	T	1,1-Dichloropropene	0.490	0.502	-2.4	87	-0.01
37	T	Ethyl Acetate	0.525	0.516	1.7	82	-0.01
38	T	Carbon Tetrachloride	0.532	0.565	-6.2	89	-0.01
39	T	Methylcyclohexane	0.556	0.533	4.1	80	0.00
40	TM	Benzene	1.488	1.619	-8.8	90	0.00
41	T	Methacrylonitrile	0.271	0.286	-5.5	85	0.00
42	TM	1,2-Dichloroethane	0.566	0.610	-7.8	89	0.00
43	T	Isopropyl Acetate	0.860	0.865	-0.6	82	-0.01
44	TM	Trichloroethene	0.360	0.385	-6.9	88	0.00
45	C	1,2-Dichloropropane	0.381	0.421	-10.5#	90	0.00
46	T	Dibromomethane	0.277	0.301	-8.7	89	0.00
47	T	Bromodichloromethane	0.572	0.640	-11.9	89	0.00
48	T	Methyl methacrylate	0.429	0.431	-0.5	81	0.00

Sample Results: **VX047925.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	92	0.00
50	S	Toluene-d8	1.160	1.247	-7.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.494	-3.6	82	0.00
52	CM	Toluene	0.917	0.978	-6.7#	88	0.00
53	T	t-1,3-Dichloropropene	0.584	0.557	4.6	76	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.610	2.2	79	0.00
55	T	1,1,2-Trichloroethane	0.354	0.391	-10.5	90	0.00
56	T	Ethyl methacrylate	0.555	0.581	-4.7	82	0.00
57	T	1,3-Dichloropropane	0.607	0.669	-10.2	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.317	-39.6#	98	0.00
59	T	2-Hexanone	0.343	0.332	3.2	78	0.00
60	T	Dibromochloromethane	0.407	0.464	-14.0	90	0.00
61	T	1,2-Dibromoethane	0.360	0.395	-9.7	88	0.00
62	S	4-Bromofluorobenzene	0.440	0.460	-4.5	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.326	0.357	-9.5	93	0.00
65	PM	Chlorobenzene	1.136	1.221	-7.5	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.436	-11.2	90	0.00
67	C	Ethyl Benzene	1.960	2.044	-4.3#	86	0.00
68	T	m/p-Xylenes	0.729	0.777	-6.6	87	0.00
69	T	o-Xylene	0.706	0.754	-6.8	86	0.00
70	T	Styrene	1.236	1.322	-7.0	87	0.00
71	P	Bromoform	0.293	0.323	-10.2	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73	T	Isopropylbenzene	3.801	3.960	-4.2	85	0.00
74	T	N-amyl acetate	1.733	1.717	0.9	80	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.222	-6.3	87	0.00
76	T	1,2,3-Trichloropropane	1.012	0.970	4.2	75	0.00
77	T	Bromobenzene	0.936	0.987	-5.4	87	0.00
78	T	n-propylbenzene	4.494	4.635	-3.1	84	0.00
79	T	2-Chlorotoluene	2.752	2.832	-2.9	85	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.241	-3.8	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.295	25.7#	62	0.00
82	T	4-Chlorotoluene	3.251	3.364	-3.5	85	0.00
83	T	tert-Butylbenzene	3.197	3.269	-2.3	85	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.261	-3.0	85	0.00
85	T	sec-Butylbenzene	3.797	3.823	-0.7	83	0.00
86	T	p-Isopropyltoluene	3.215	3.222	-0.2	82	0.00
87	T	1,3-Dichlorobenzene	1.739	1.783	-2.5	85	0.00
88	T	1,4-Dichlorobenzene	1.785	1.821	-2.0	87	0.00
89	T	n-Butylbenzene	2.975	2.902	2.5	81	0.00
90	T	Hexachloroethane	0.564	0.613	-8.7	90	0.00
91	T	1,2-Dichlorobenzene	1.657	1.721	-3.9	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.225	3.4	77	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.032	4.2	78	0.00
94	T	Hexachlorobutadiene	0.366	0.338	7.7	77	0.00
95	T	Naphthalene	3.279	3.259	0.6	80	0.00

Sample Results: **VX047925.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.983	1.9	79	0.00

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

Sample Results: **VX047925.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	83	-0.01
2	T	Dichlorodifluoromethane	50.000	60.818	-21.6	105	0.00
3	P	Chloromethane	50.000	56.097	-12.2	96	0.00
4	C	Vinyl Chloride	50.000	59.223	-18.4#	100	0.00
5	T	Bromomethane	50.000	56.897	-13.8	95	0.00
6	T	Chloroethane	50.000	58.753	-17.5	99	0.00
7	T	Trichlorofluoromethane	50.000	59.938	-19.9	99	0.00
8	T	Diethyl Ether	50.000	57.386	-14.8	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	57.462	-14.9	95	0.00
10	T	Methyl Iodide	50.000	47.798	4.4	79	0.00
11	T	Tert butyl alcohol	250.000	227.972	8.8	76	0.00
12	CM	1,1-Dichloroethene	50.000	57.516	-15.0#	94	0.00
13	T	Acrolein	250.000	174.579	30.2#	58	0.00
14	T	Allyl chloride	50.000	46.859	6.3	79	0.00
15	T	Acrylonitrile	250.000	283.637	-13.5	90	-0.01
16	T	Acetone	250.000	217.782	12.9	79	0.00
17	T	Carbon Disulfide	50.000	54.246	-8.5	94	0.00
18	T	Methyl Acetate	50.000	60.389	-20.8	89	0.00
19	T	Methyl tert-butyl Ether	50.000	55.586	-11.2	89	0.00
20	T	Methylene Chloride	50.000	56.927	-13.9	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.580	-13.2	93	0.00
22	T	Diisopropyl ether	50.000	57.615	-15.2	92	-0.01
23	T	Vinyl Acetate	250.000	272.705	-9.1	87	0.00
24	P	1,1-Dichloroethane	50.000	58.077	-16.2	94	0.00
25	T	2-Butanone	250.000	245.974	1.6	81	0.00
26	T	2,2-Dichloropropane	50.000	26.480	47.0#	43	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.037	-10.1	89	-0.01
28	T	Bromochloromethane	50.000	63.766	-27.5#	102	-0.02
29	T	Tetrahydrofuran	250.000	261.737	-4.7	82	0.00
30	C	Chloroform	50.000	58.176	-16.4#	94	0.00
31	T	Cyclohexane	50.000	50.000	0.0	85	0.00
32	T	1,1,1-Trichloroethane	50.000	56.279	-12.6	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.160	-8.3	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	56.326	-12.7	97	0.00
36	T	1,1-Dichloropropene	50.000	51.260	-2.5	87	-0.01
37	T	Ethyl Acetate	50.000	49.140	1.7	82	-0.01
38	T	Carbon Tetrachloride	50.000	53.104	-6.2	89	-0.01
39	T	Methylcyclohexane	50.000	47.876	4.2	80	0.00
40	TM	Benzene	50.000	54.405	-8.8	90	0.00
41	T	Methacrylonitrile	50.000	52.746	-5.5	85	0.00
42	TM	1,2-Dichloroethane	50.000	53.834	-7.7	89	0.00
43	T	Isopropyl Acetate	50.000	50.267	-0.5	82	-0.01
44	TM	Trichloroethene	50.000	53.557	-7.1	88	0.00
45	C	1,2-Dichloropropane	50.000	55.275	-10.5#	90	0.00
46	T	Dibromomethane	50.000	54.318	-8.6	89	0.00
47	T	Bromodichloromethane	50.000	55.951	-11.9	89	0.00
48	T	Methyl methacrylate	50.000	50.270	-0.5	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1209.803	-21.0	92	0.00
50	S	Toluene-d8	50.000	53.732	-7.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.676	-3.5	82	0.00
52	CM	Toluene	50.000	53.340	-6.7#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	47.710	4.6	76	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.855	2.3	79	0.00
55	T	1,1,2-Trichloroethane	50.000	55.323	-10.6	90	0.00
56	T	Ethyl methacrylate	50.000	52.318	-4.6	82	0.00
57	T	1,3-Dichloropropane	50.000	55.091	-10.2	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	295.242	-18.1	98	0.00
59	T	2-Hexanone	250.000	242.438	3.0	78	0.00
60	T	Dibromochloromethane	50.000	56.903	-13.8	90	0.00
61	T	1,2-Dibromoethane	50.000	54.808	-9.6	88	0.00
62	S	4-Bromofluorobenzene	50.000	52.260	-4.5	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	54.742	-9.5	93	0.00
65	PM	Chlorobenzene	50.000	53.763	-7.5	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.573	-11.1	90	0.00
67	C	Ethyl Benzene	50.000	52.134	-4.3#	86	0.00
68	T	m/p-Xylenes	100.000	106.525	-6.5	87	0.00
69	T	o-Xylene	50.000	53.429	-6.9	86	0.00
70	T	Styrene	50.000	53.445	-6.9	87	0.00
71	P	Bromoform	50.000	55.193	-10.4	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73	T	Isopropylbenzene	50.000	52.083	-4.2	85	0.00
74	T	N-amyl acetate	50.000	49.514	1.0	80	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.118	-6.2	87	0.00
76	T	1,2,3-Trichloropropane	50.000	47.914	4.2	75	0.00
77	T	Bromobenzene	50.000	52.694	-5.4	87	0.00
78	T	n-propylbenzene	50.000	51.568	-3.1	84	0.00
79	T	2-Chlorotoluene	50.000	51.452	-2.9	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.887	-3.8	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	37.213	25.6#	62	0.00
82	T	4-Chlorotoluene	50.000	51.748	-3.5	85	0.00
83	T	tert-Butylbenzene	50.000	51.119	-2.2	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.497	-3.0	85	0.00
85	T	sec-Butylbenzene	50.000	50.330	-0.7	83	0.00
86	T	p-Isopropyltoluene	50.000	50.113	-0.2	82	0.00
87	T	1,3-Dichlorobenzene	50.000	51.263	-2.5	85	0.00
88	T	1,4-Dichlorobenzene	50.000	51.006	-2.0	87	0.00
89	T	n-Butylbenzene	50.000	48.778	2.4	81	0.00
90	T	Hexachloroethane	50.000	54.313	-8.6	90	0.00
91	T	1,2-Dichlorobenzene	50.000	51.946	-3.9	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.313	3.4	77	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.915	4.2	78	0.00
94	T	Hexachlorobutadiene	50.000	46.175	7.7	77	0.00
95	T	Naphthalene	50.000	49.706	0.6	80	0.00

Sample Results: **VX047925.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.057	1.9	79	0.00

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

Raw Data: **VX047951.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3193
Instrument ID: MSVOA_X
Calibration Date/Time: 10/01/2025 18:59
Lab File ID: VX047951.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.539		4.05	50
Chloromethane	0.680	0.649	0.1	-4.56	50
Vinyl Chloride	0.666	0.684		2.7	50
Bromomethane	0.422	0.457		8.29	50
Chloroethane	0.445	0.445		0	50
Trichlorofluoromethane	0.989	1.030		4.15	50
1,1,2-Trichlorotrifluoroethane	0.578	0.593		2.6	50
1,1-Dichloroethene	0.594	0.609		2.53	50
Acetone	0.346	0.303		-12.43	50
Carbon Disulfide	1.626	1.536		-5.53	50
Methyl tert-butyl Ether	2.169	2.345		8.11	50
Methyl Acetate	0.770	0.941		22.21	50
Methylene Chloride	0.732	0.777		6.15	50
trans-1,2-Dichloroethene	0.640	0.652		1.88	50
1,1-Dichloroethane	1.263	1.347	0.1	6.65	50
Cyclohexane	1.052	1.005		-4.47	50
2-Butanone	0.432	0.460		6.48	50
Carbon Tetrachloride	0.532	0.534		0.38	50
cis-1,2-Dichloroethene	0.783	0.826		5.49	50
Bromochloromethane	0.551	0.608		10.35	50
Chloroform	1.276	1.393		9.17	50
1,1,1-Trichloroethane	1.082	1.152		6.47	50
Methylcyclohexane	0.556	0.518		-6.84	50
Benzene	1.488	1.544		3.76	50
1,2-Dichloroethane	0.566	0.593		4.77	50
Trichloroethene	0.360	0.368		2.22	50
1,2-Dichloropropane	0.381	0.409		7.35	50
Bromodichloromethane	0.572	0.626		9.44	50
4-Methyl-2-Pentanone	0.477	0.553		15.93	50
Toluene	0.917	0.958		4.47	50
t-1,3-Dichloropropene	0.584	0.607		3.94	50
cis-1,3-Dichloropropene	0.624	0.641		2.72	50
1,1,2-Trichloroethane	0.354	0.398		12.43	50
2-Hexanone	0.343	0.384		11.95	50
Dibromochloromethane	0.407	0.460		13.02	50
1,2-Dibromoethane	0.360	0.408		13.33	50
Tetrachloroethene	0.326	0.326		0	50
Chlorobenzene	1.136	1.164	0.3	2.46	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: AECO15

Lab Code: ACE SDG No.: Q3193

Instrument ID: MSVOA_X Calibration Date/Time: 10/01/2025 18:59

Lab File ID: VX047951.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.982		1.12	50
m/p-Xylenes	0.729	0.748		2.61	50
o-Xylene	0.706	0.731		3.54	50
Styrene	1.236	1.298		5.02	50
Bromoform	0.293	0.324	0.1	10.58	50
Isopropylbenzene	3.801	3.731		-1.84	50
1,1,2,2-Tetrachloroethane	1.150	1.235	0.3	7.39	50
1,3-Dichlorobenzene	1.739	1.727		-0.69	50
1,4-Dichlorobenzene	1.785	1.756		-1.63	50
1,2-Dichlorobenzene	1.657	1.674		1.03	50
1,2-Dibromo-3-Chloropropane	0.233	0.249		6.87	50
1,2,4-Trichlorobenzene	1.077	1.042		-3.25	50
1,2,3-Trichlorobenzene	1.002	1.014		1.2	50
1,2-Dichloroethane-d4	0.796	0.811		1.88	50
Dibromofluoromethane	0.335	0.345		2.98	50
Toluene-d8	1.160	1.175		1.29	50
4-Bromofluorobenzene	0.440	0.454		3.18	50

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

Sample Results: **VX047951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	124660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	226992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101072	50.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	78410	51.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.635	98	266707	50.632	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.260%			
62) 4-Bromofluorobenzene	11.061	95	103069	51.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	67209	52.065	ug/l	99
3) Chloromethane	1.301	50	80963	47.722	ug/l	99
4) Vinyl Chloride	1.380	62	85210	51.308	ug/l	99
5) Bromomethane	1.612	94	56958	54.086	ug/l	99
6) Chloroethane	1.697	64	55454	49.959	ug/l	100
7) Trichlorofluoromethane	1.898	101	128341	52.047	ug/l	96
8) Diethyl Ether	2.136	74	53246	52.786	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	73923	51.269	ug/l	99
10) Methyl Iodide	2.459	142	106016	47.145	ug/l	99
11) Tert butyl alcohol	2.947	59	54886	248.358	ug/l	99
12) 1,1-Dichloroethene	2.325	96	75949	51.279	ug/l	95
13) Acrolein	2.240	56	47165	231.598	ug/l	98
14) Allyl chloride	2.666	41	147774	48.351	ug/l	98
15) Acrylonitrile	3.063	53	237904	290.630	ug/l	99
16) Acetone	2.374	43	189112	219.192	ug/l	99
17) Carbon Disulfide	2.520	76	191428	47.212	ug/l	99
18) Methyl Acetate	2.703	43	117298	61.090	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	292311	54.065	ug/l	99
20) Methylene Chloride	2.788	84	96882	53.050	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	81281	50.973	ug/l	98
22) Diisopropyl ether	3.758	45	319485	53.938	ug/l	97
23) Vinyl Acetate	3.715	43	1303516	274.971	ug/l	99
24) 1,1-Dichloroethane	3.611	63	167944	53.346	ug/l	98
25) 2-Butanone	4.544	43	286746	266.444	ug/l	97
26) 2,2-Dichloropropane	4.471	77	108024	41.278	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102913	52.700	ug/l	97
28) Bromochloromethane	4.885	49	75845	55.184	ug/l	98
29) Tetrahydrofuran	4.995	42	182504	281.897	ug/l	100
30) Chloroform	5.080	83	173609	54.571	ug/l	100
31) Cyclohexane	5.465	56	125293	47.784	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143628	53.226	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106778	48.001	ug/l	98
37) Ethyl Acetate	4.702	43	124608	52.317	ug/l	99
38) Carbon Tetrachloride	5.666	117	121207	50.149	ug/l	98
39) Methylcyclohexane	7.367	83	117508	46.536	ug/l	100
40) Benzene	6.025	78	350517	51.880	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	70523	57.354	ug/l		99
42) 1,2-Dichloroethane	6.074	62	134642	52.376	ug/l		99
43) Isopropyl Acetate	6.324	43	209765	53.699	ug/l		100
44) Trichloroethene	7.111	130	83472	51.102	ug/l		100
45) 1,2-Dichloropropane	7.415	63	92922	53.711	ug/l		97
46) Dibromomethane	7.568	93	67714	53.786	ug/l		97
47) Bromodichloromethane	7.806	83	142081	54.690	ug/l		97
48) Methyl methacrylate	7.678	41	105840	54.395	ug/l		98
49) 1,4-Dioxane	7.647	88	24256	1233.522	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	628101	290.007	ug/l		100
52) Toluene	8.702	92	217465	52.243	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	137793	51.999	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	145487	51.366	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	90452	56.354	ug/l		99
56) Ethyl methacrylate	9.104	69	140278	55.650	ug/l		98
57) 1,3-Dichloropropane	9.293	76	154812	56.148	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	349890	287.656	ug/l		100
59) 2-Hexanone	9.415	43	436044	280.325	ug/l		99
60) Dibromochloromethane	9.507	129	104459	56.483	ug/l		100
61) 1,2-Dibromoethane	9.592	107	92545	56.608	ug/l		100
64) Tetrachloroethene	9.263	164	68132	50.076	ug/l		95
65) Chlorobenzene	10.061	112	242961	51.241	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	87283	53.346	ug/l		98
67) Ethyl Benzene	10.177	91	413758	50.575	ug/l		99
68) m/p-Xylenes	10.287	106	312179	102.520	ug/l		98
69) o-Xylene	10.628	106	152586	51.807	ug/l		99
70) Styrene	10.640	104	270885	52.490	ug/l		99
71) Bromoform	10.781	173	67667	55.387	ug/l	#	96
73) Isopropylbenzene	10.945	105	387978	49.069	ug/l		100
74) N-amyl acetate	10.829	43	186045	51.599	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	128423	53.684	ug/l		97
76) 1,2,3-Trichloropropane	11.220	75	100244m	47.606	ug/l		
77) Bromobenzene	11.183	156	97437	50.034	ug/l		99
78) n-propylbenzene	11.287	91	457669	48.965	ug/l		99
79) 2-Chlorotoluene	11.348	91	282868	49.411	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	318890	49.089	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	38178	46.236	ug/l		99
82) 4-Chlorotoluene	11.439	91	334477	49.470	ug/l		100
83) tert-Butylbenzene	11.695	119	321817	48.394	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	326533	49.580	ug/l		100
85) sec-Butylbenzene	11.872	105	388696	49.209	ug/l		100
86) p-Isopropyltoluene	11.994	119	320945	47.994	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	179605	49.654	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	182671	49.206	ug/l		100
89) n-Butylbenzene	12.317	91	295960	47.831	ug/l		99
90) Hexachloroethane	12.518	117	59726	50.871	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	174092	50.519	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.927	75	25868	53.410	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	108351	48.379	ug/l		99
94) Hexachlorobutadiene	13.701	225	35255	46.344	ug/l		98
95) Naphthalene	13.756	128	351451	51.534	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	105429	50.606	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

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

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

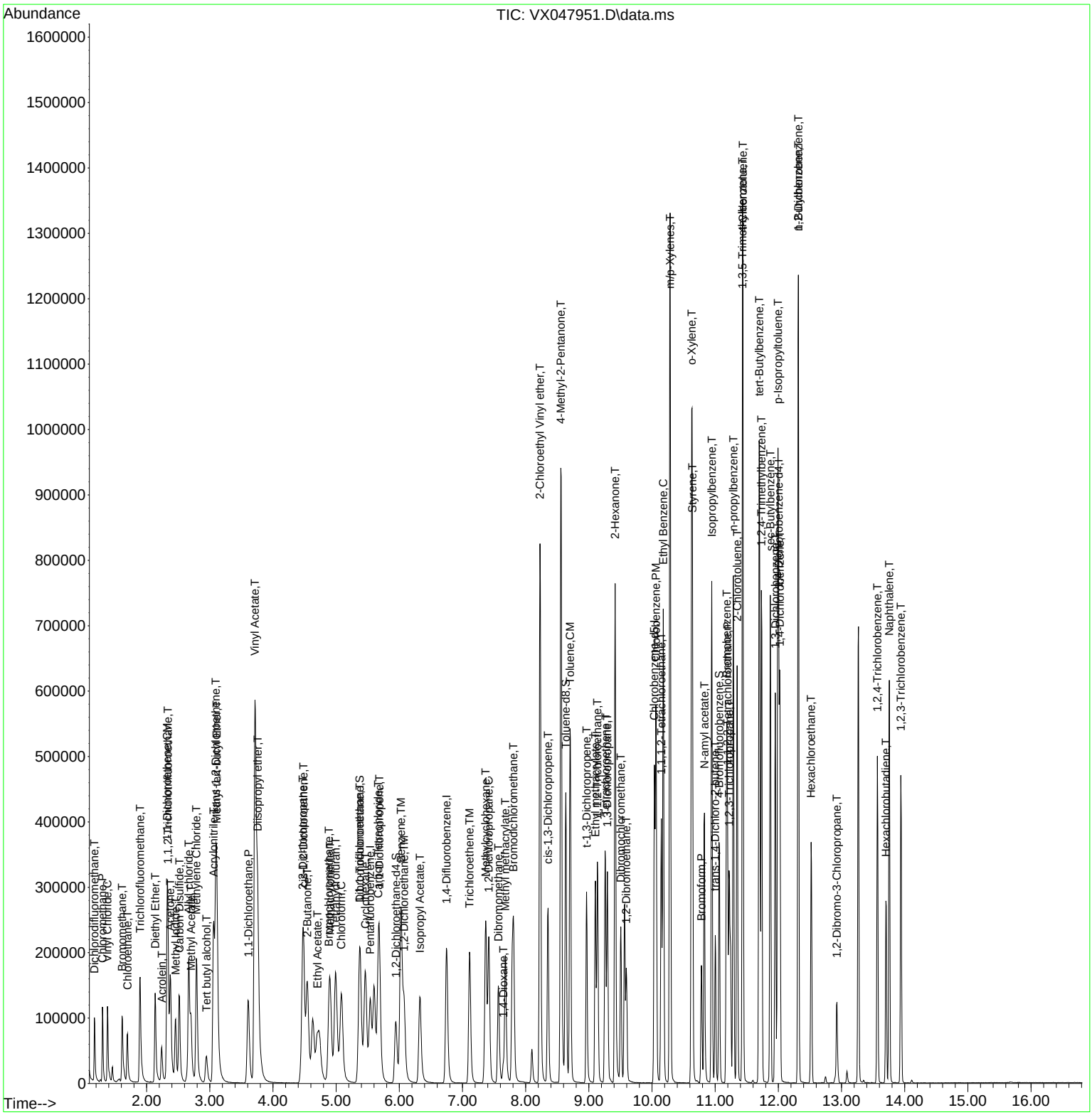
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

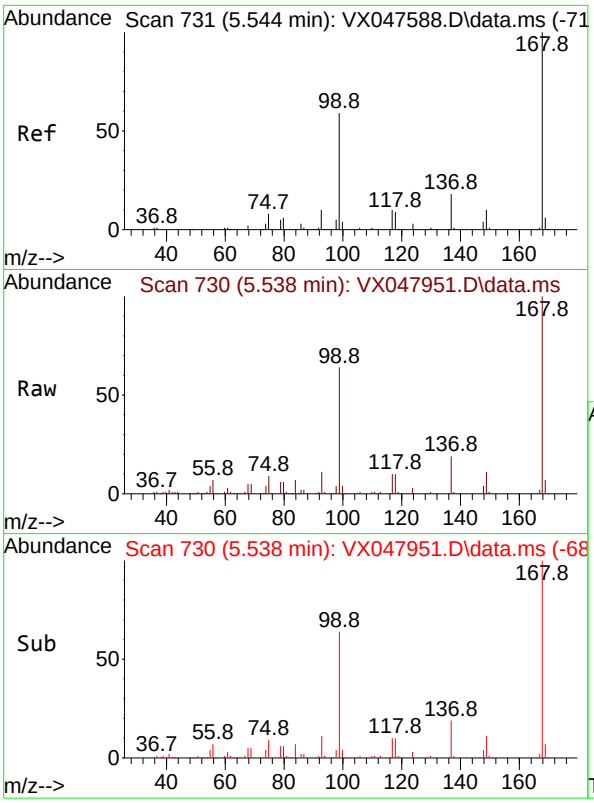
Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

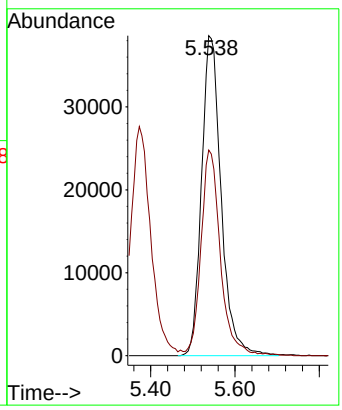




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:168 Resp: 12466

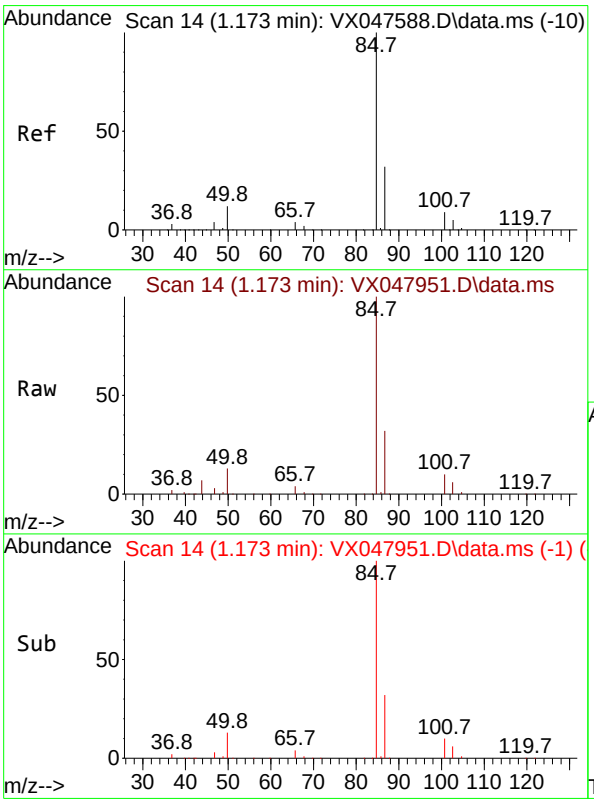
Ion	Ratio	Lower	Upper
168	100		
99	63.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

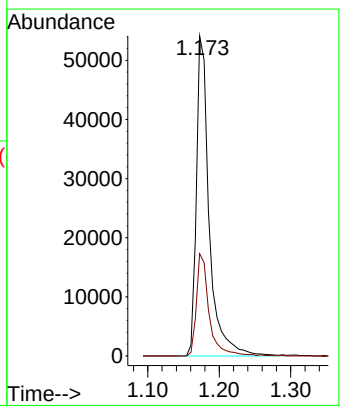
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

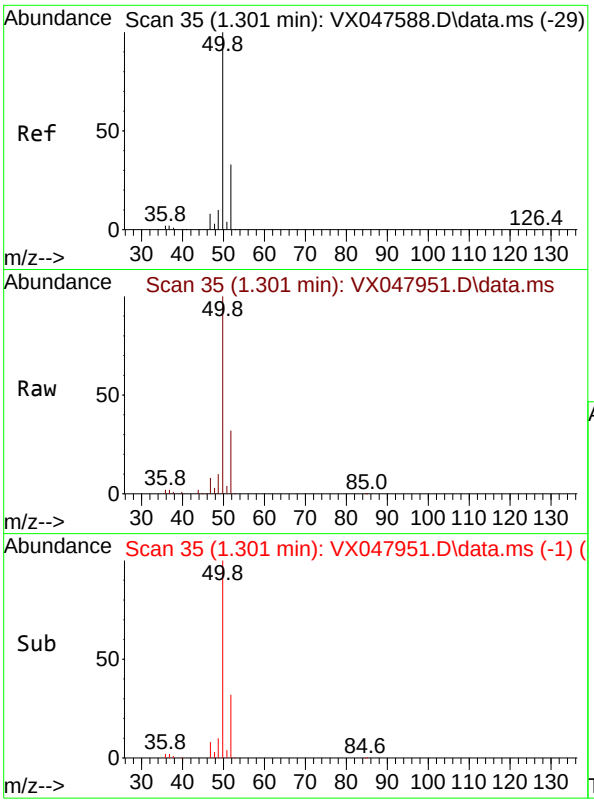


#2
Dichlorodifluoromethane
Concen: 52.065 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 85 Resp: 67209

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.8	47.3

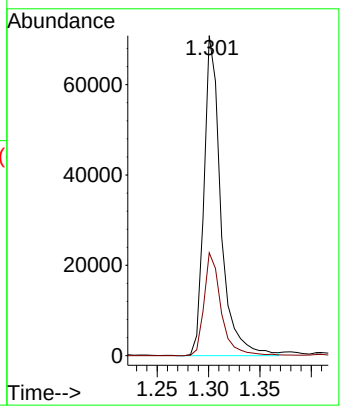




#3
Chloromethane
Concen: 47.722 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 50 Resp: 8096

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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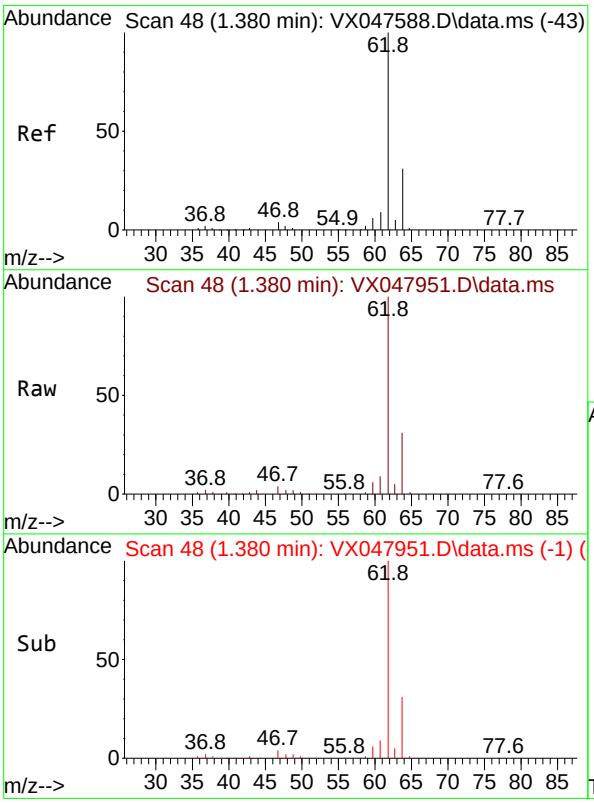
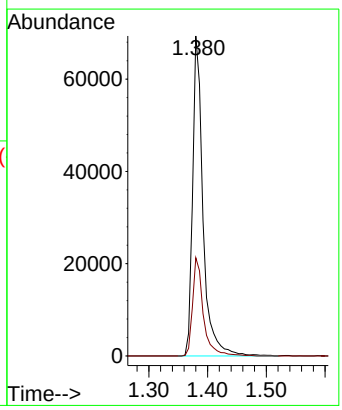
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

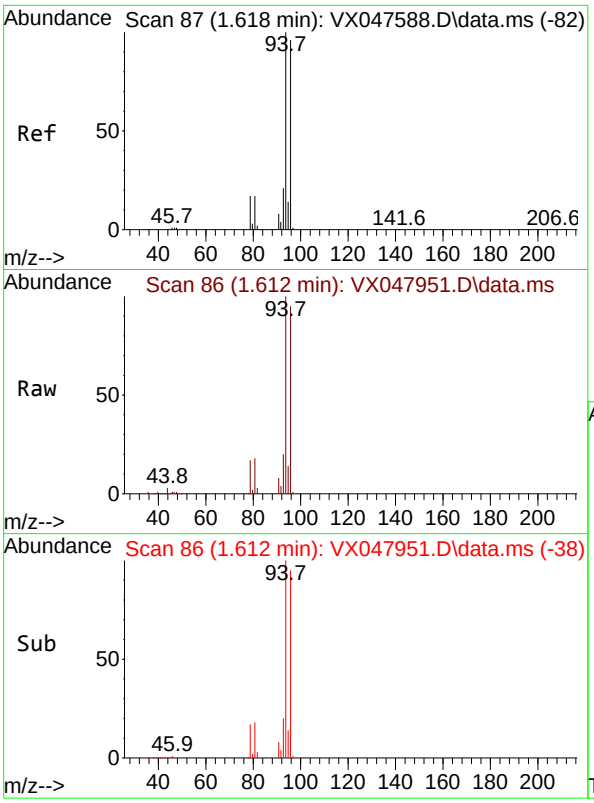


#4
Vinyl Chloride
Concen: 51.308 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 62 Resp: 85210

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3





#5
Bromomethane
Concen: 54.086 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 94 Resp: 5695

Ion	Ratio	Lower	Upper
94	100		
96	95.0	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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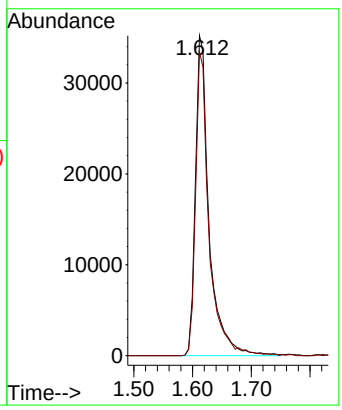
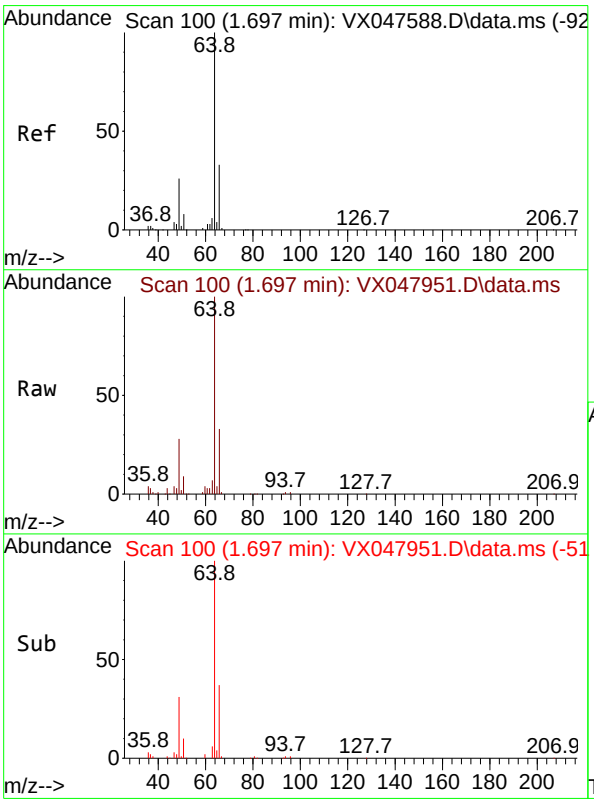
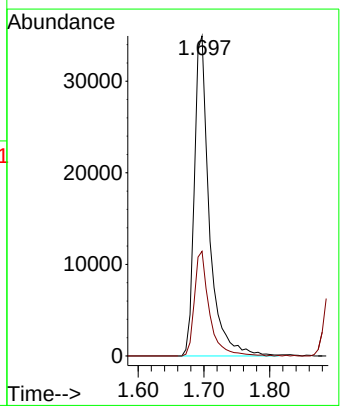


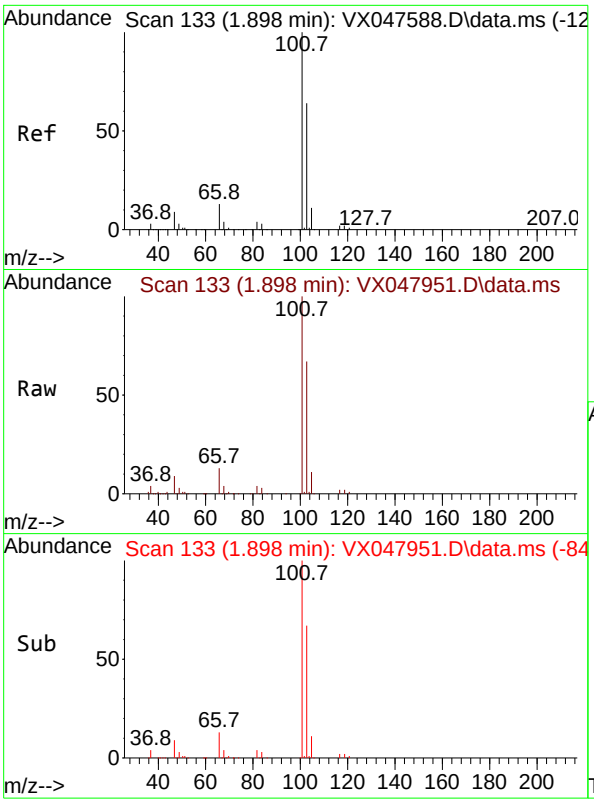


#6
Chloroethane
Concen: 49.959 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 64 Resp: 55454

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.1	39.1

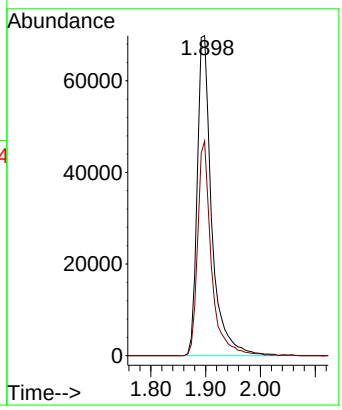




#7
Trichlorofluoromethane
Concen: 52.047 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:101 Resp: 12834

Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 10/03/2025
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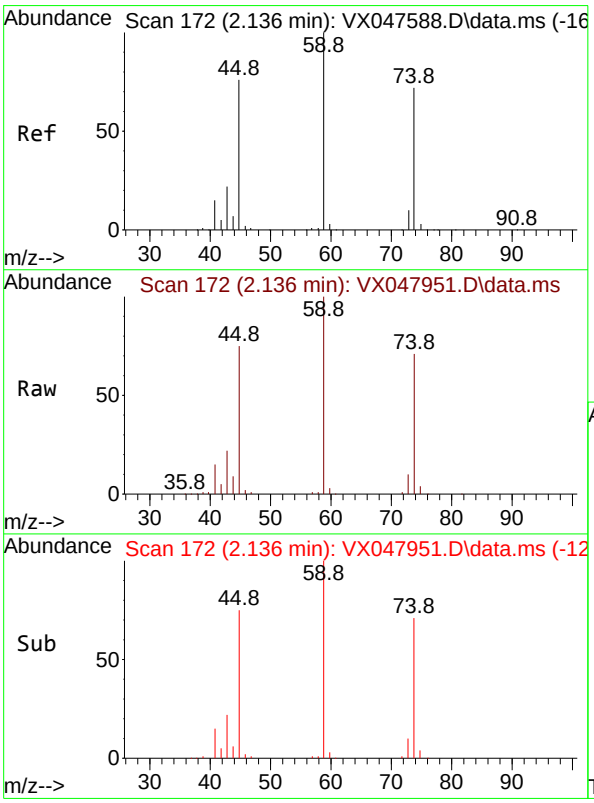
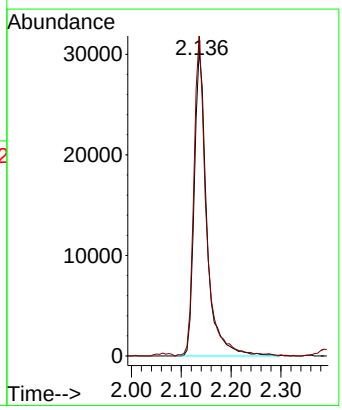
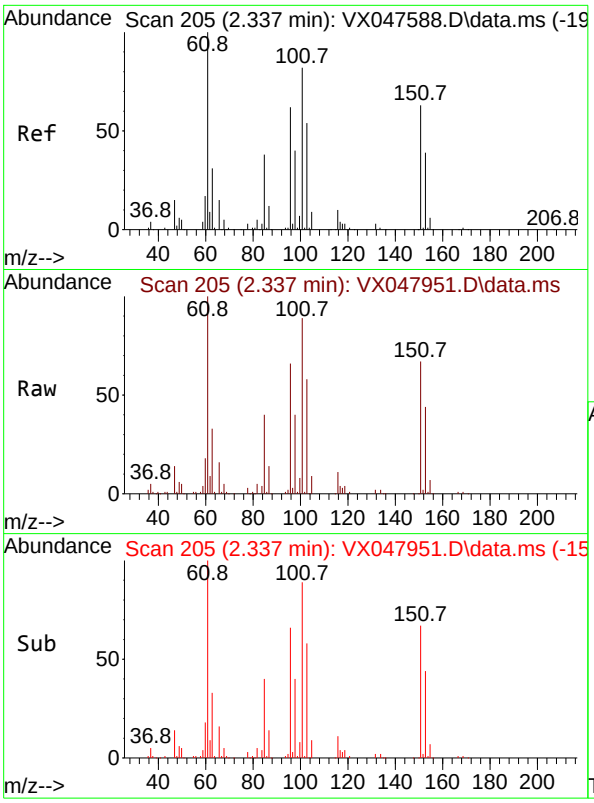


#8
Diethyl Ether
Concen: 52.786 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 74 Resp: 53246

Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.269 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:101 Resp: 7392

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	74.6	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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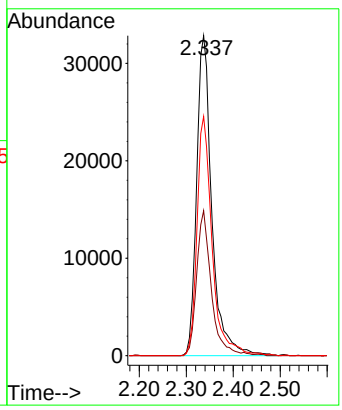
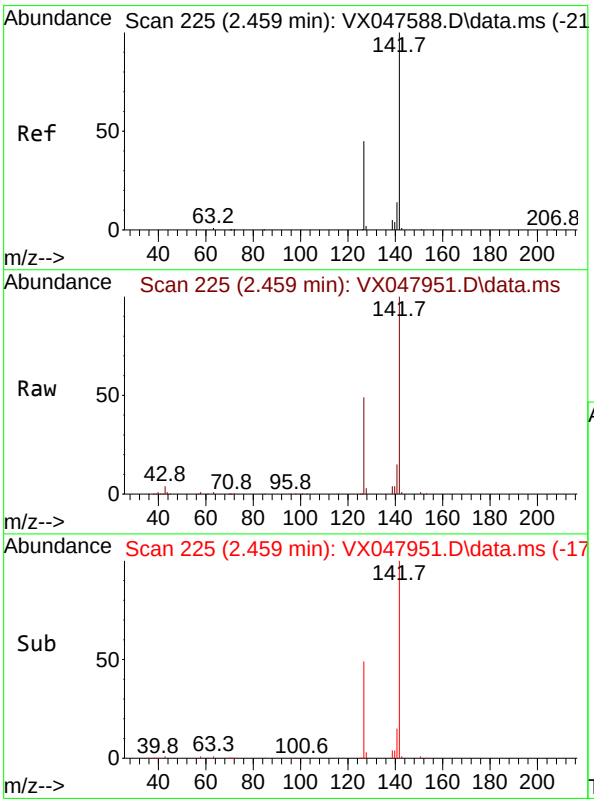
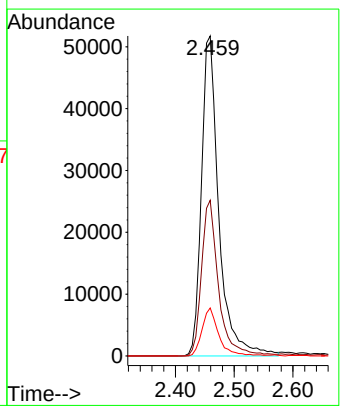


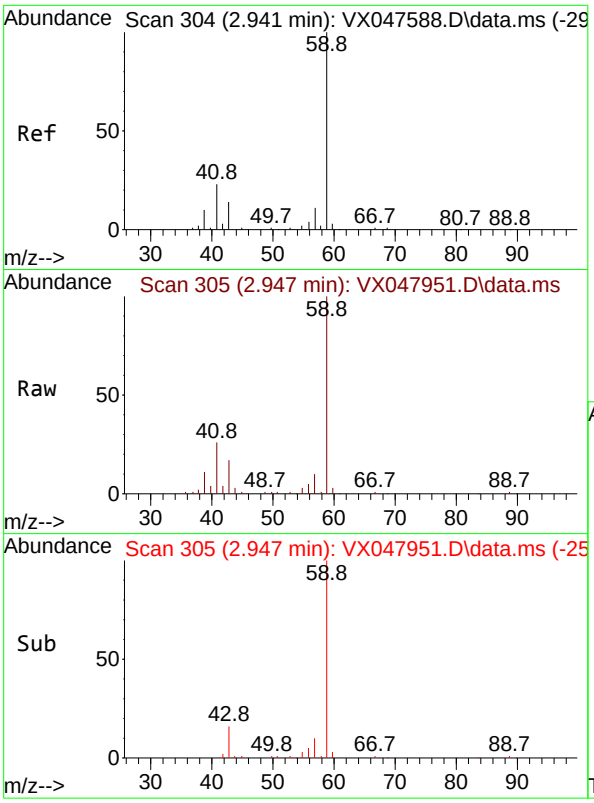


#10
Methyl Iodide
Concen: 47.145 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:142 Resp: 106016

Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.2	55.8
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 248.358 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 59 Resp: 5488

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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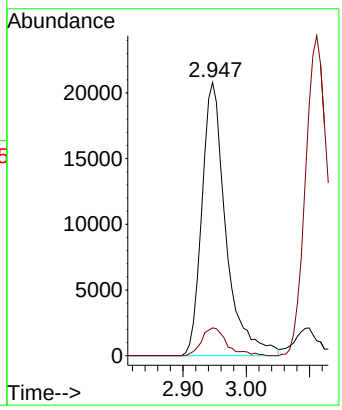
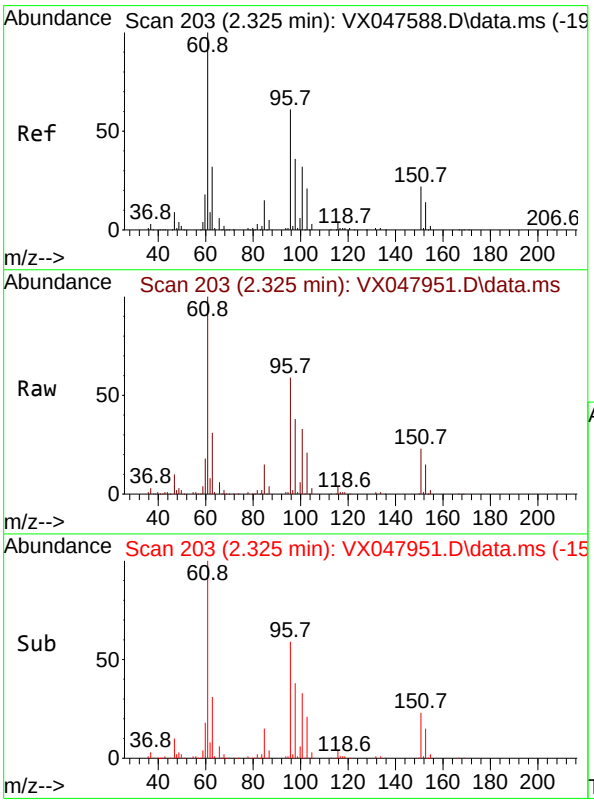
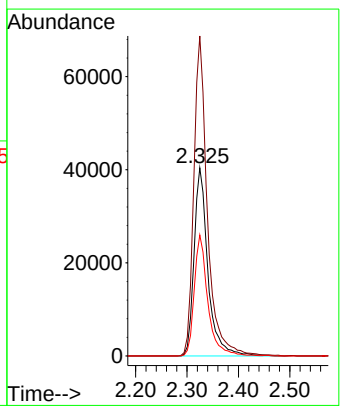


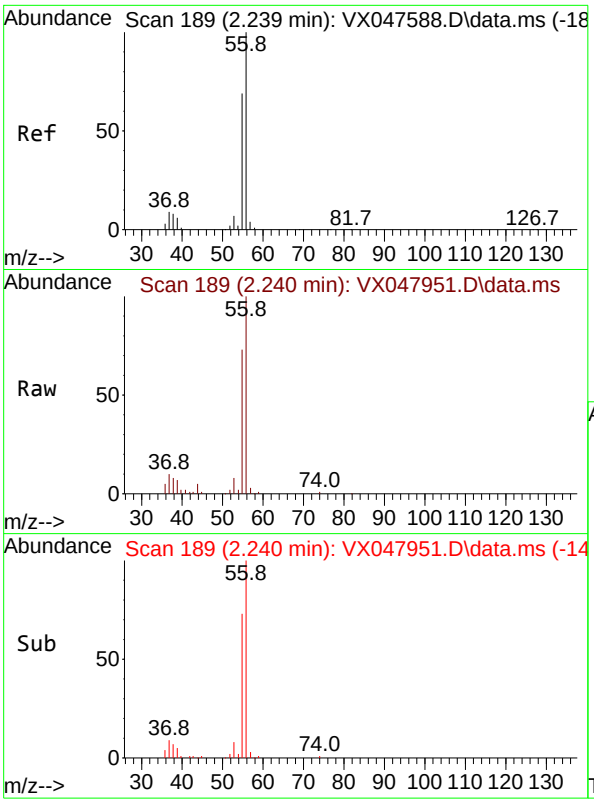


#12
1,1-Dichloroethene
Concen: 51.279 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 96 Resp: 75949

Ion	Ratio	Lower	Upper
96	100		
61	170.1	131.0	196.6
98	64.3	47.7	71.5

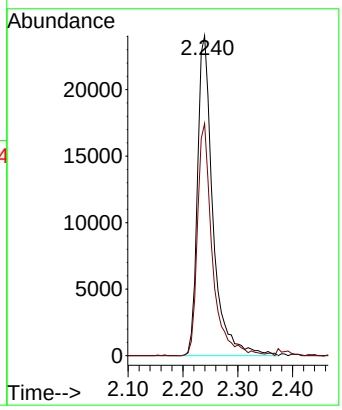




#13
Acrolein
Concen: 231.598 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 56 Resp: 4716

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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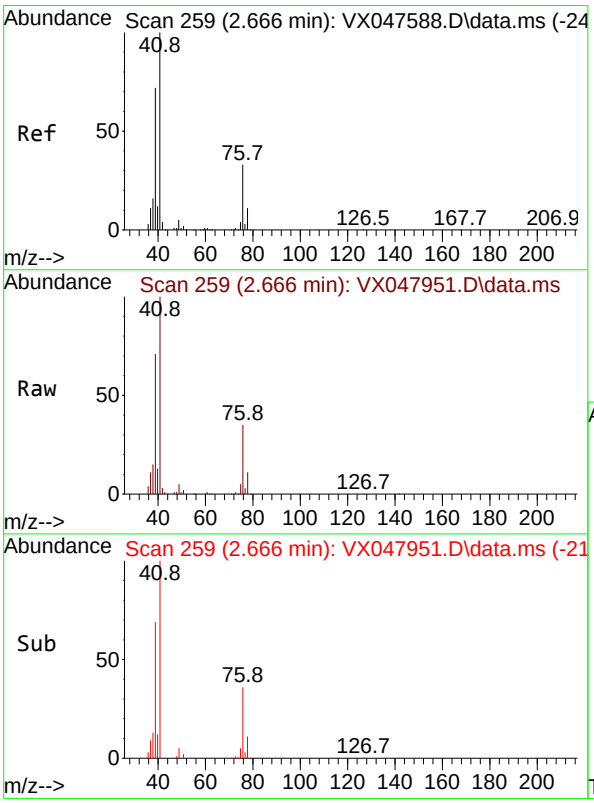
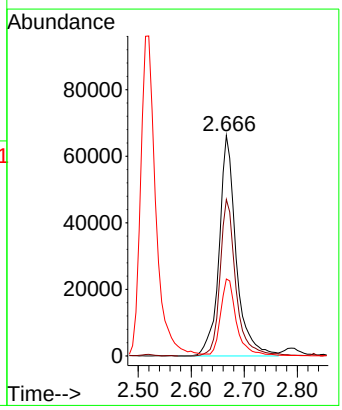
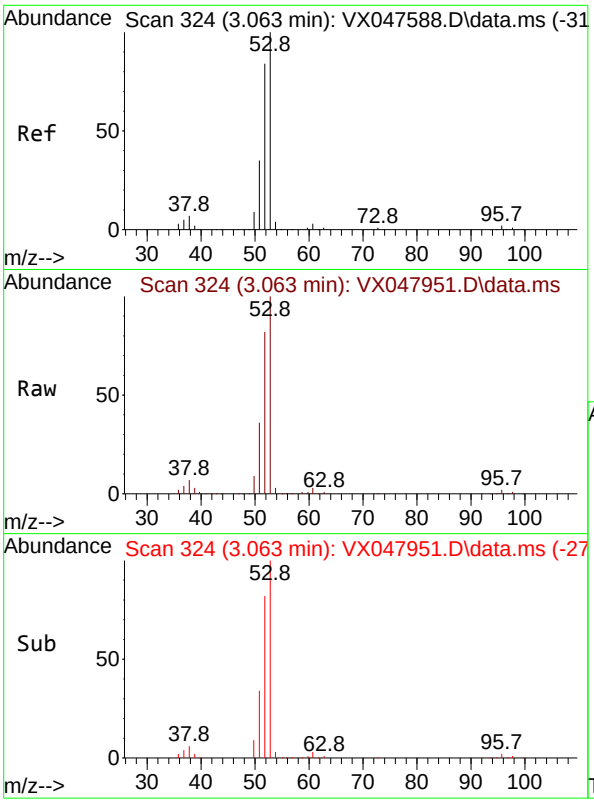


#14
Allyl chloride
Concen: 48.351 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 41 Resp: 147774

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	32.8	25.7	38.5

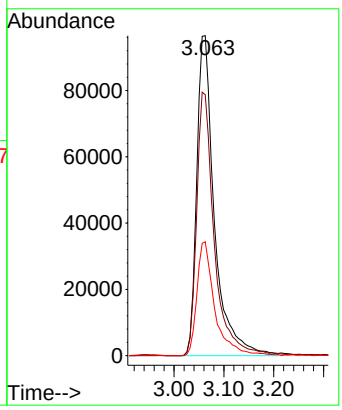




#15
Acrylonitrile
Concen: 290.630 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 53 Resp: 23790

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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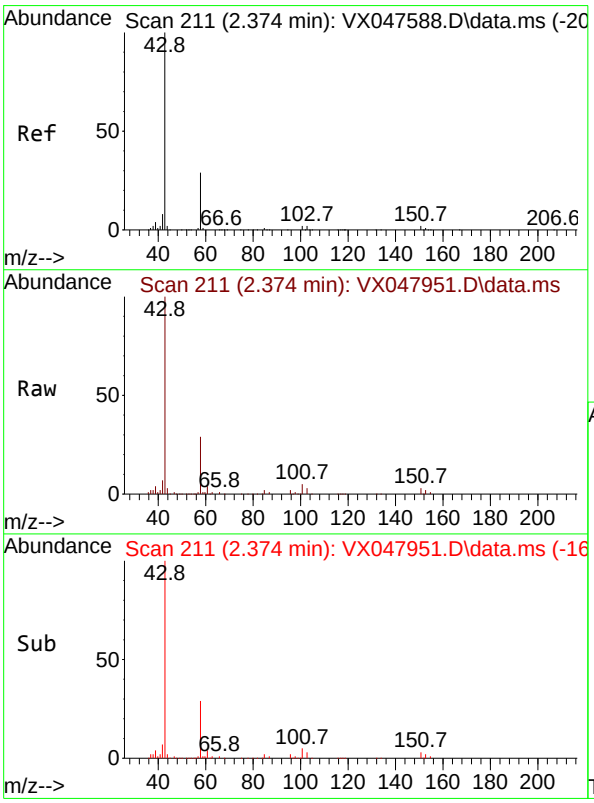
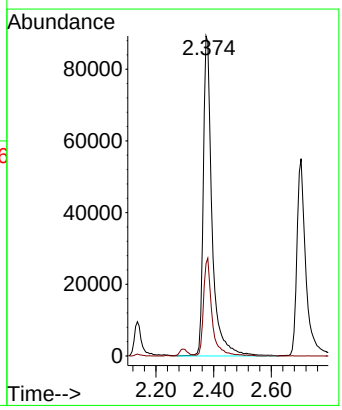
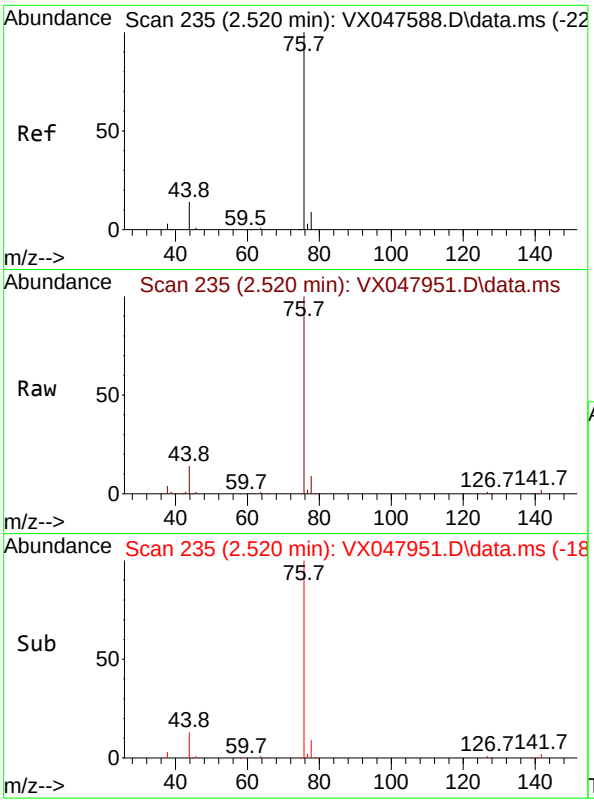


#16
Acetone
Concen: 219.192 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 189112

Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.4	35.0





#17
Carbon Disulfide
Concen: 47.212 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 76 Resp: 19142

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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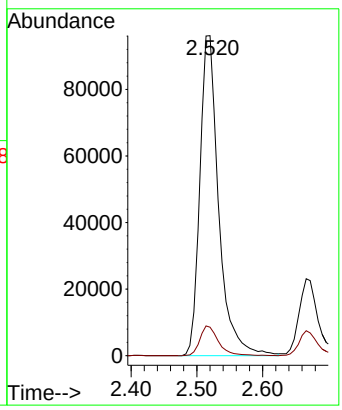
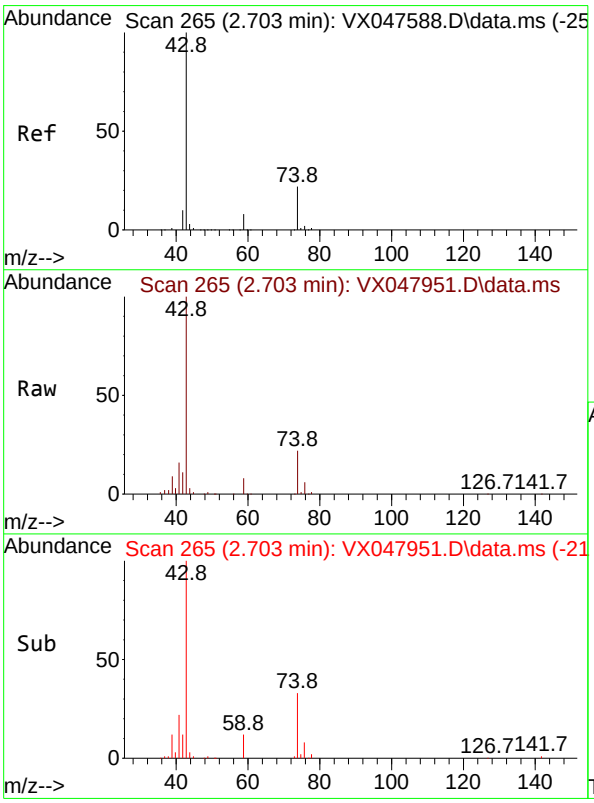
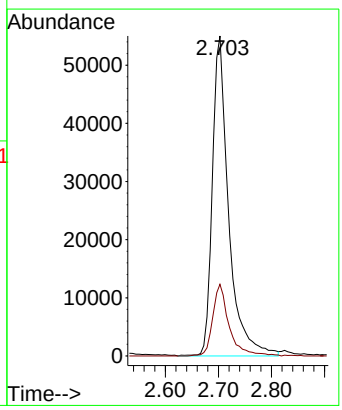


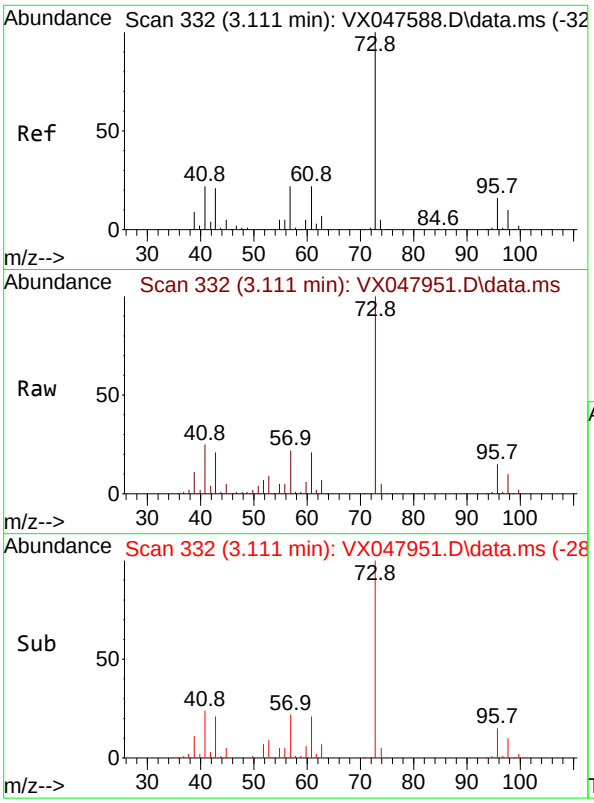


#18
Methyl Acetate
Concen: 61.090 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 117298

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

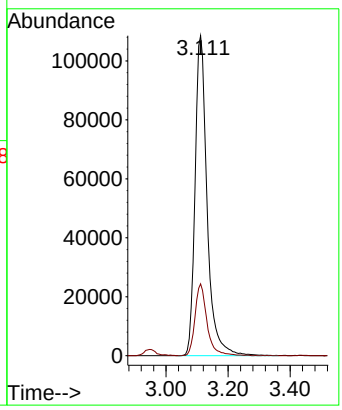




#19
Methyl tert-butyl Ether
Concen: 54.065 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 73 Resp: 29231

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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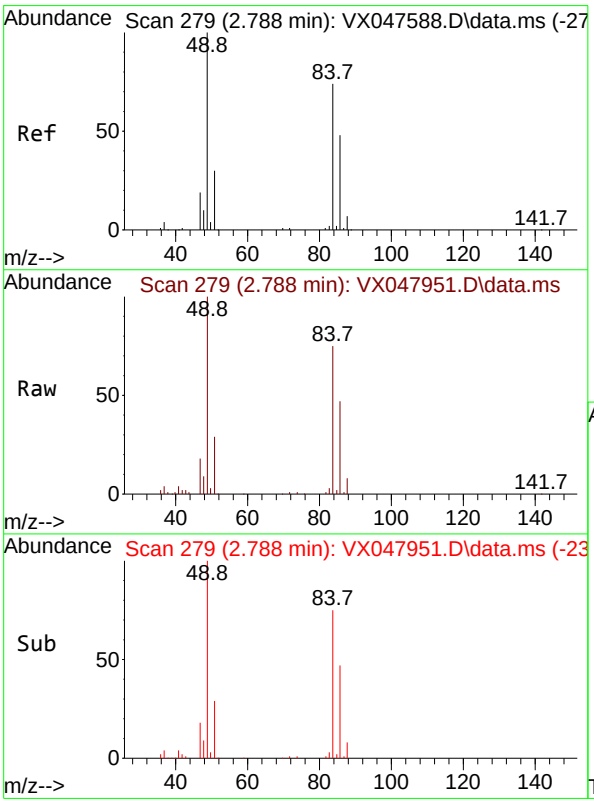
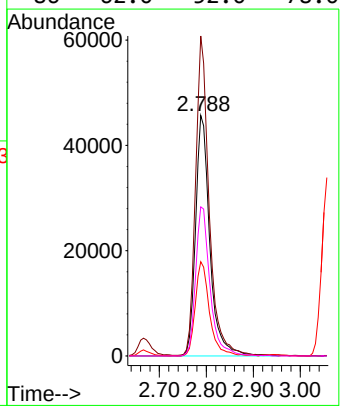
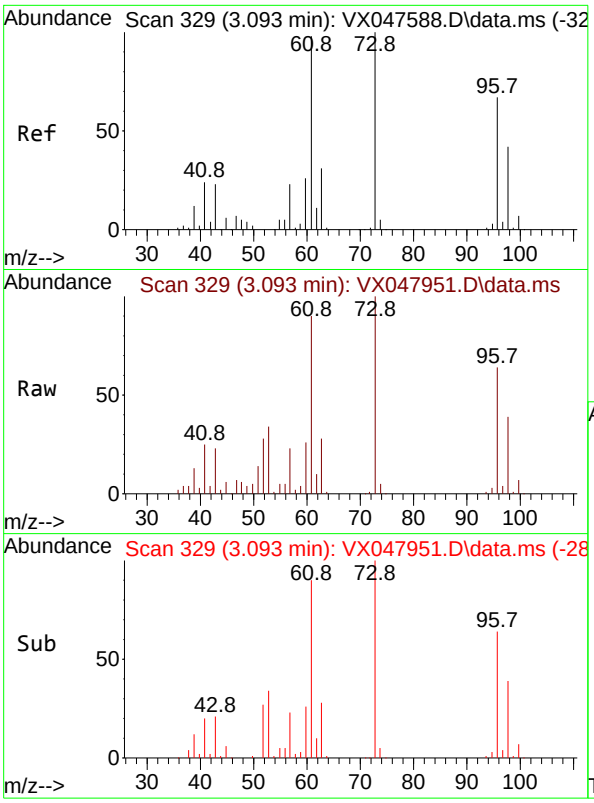


#20
Methylene Chloride
Concen: 53.050 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 84 Resp: 96882

Ion	Ratio	Lower	Upper
84	100		
49	132.7	108.6	162.8
51	39.2	32.6	48.8
86	62.0	52.0	78.0

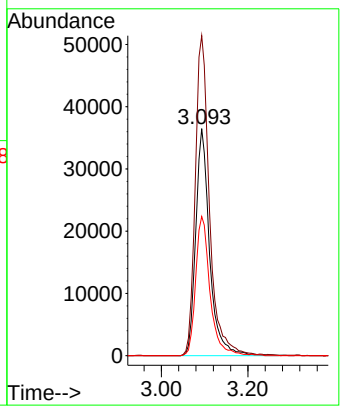




#21
trans-1,2-Dichloroethene
Concen: 50.973 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 96 Resp: 8128

Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.2	174.2
98	61.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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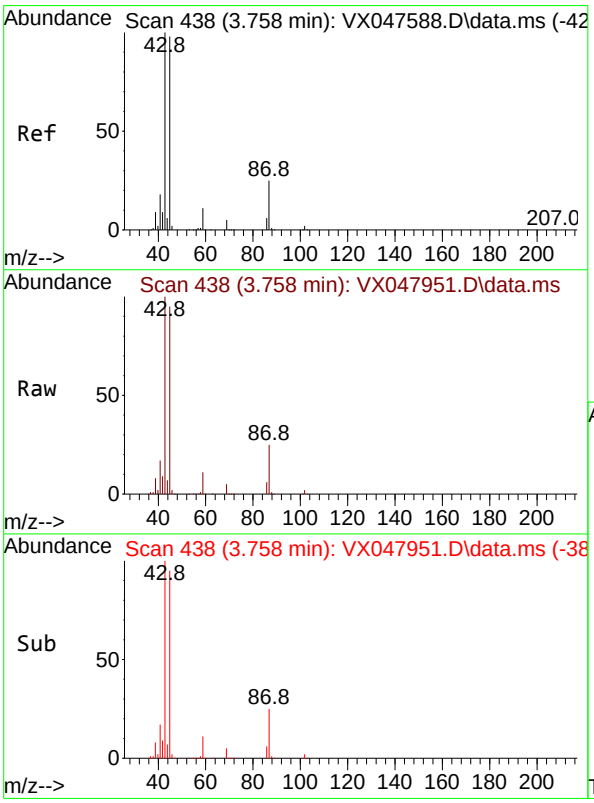
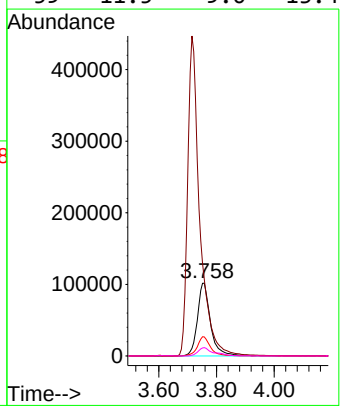
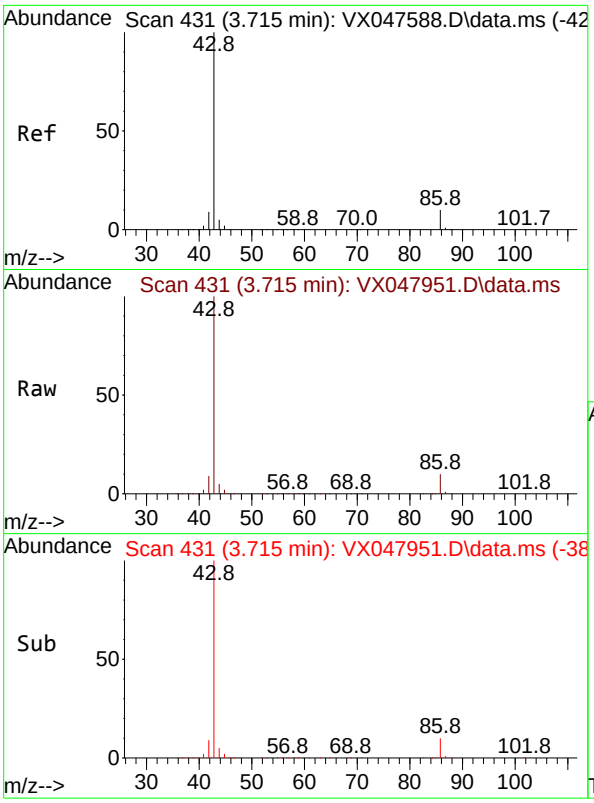


#22
Diisopropyl ether
Concen: 53.938 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 45 Resp: 319485

Ion	Ratio	Lower	Upper
45	100		
43	105.1	81.0	121.4
87	26.2	20.3	30.5
59	11.5	9.0	13.4





#23
Vinyl Acetate
Concen: 274.971 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 130351

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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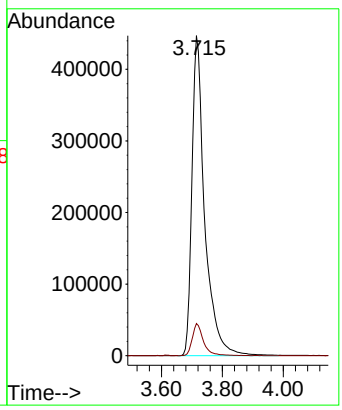
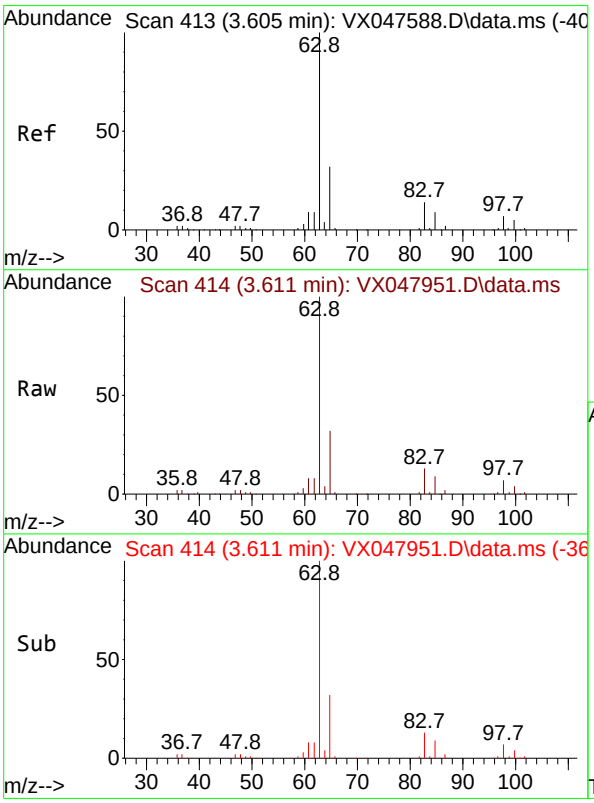
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

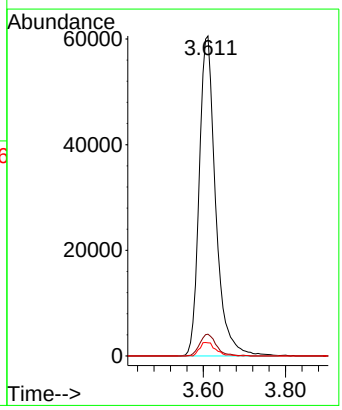


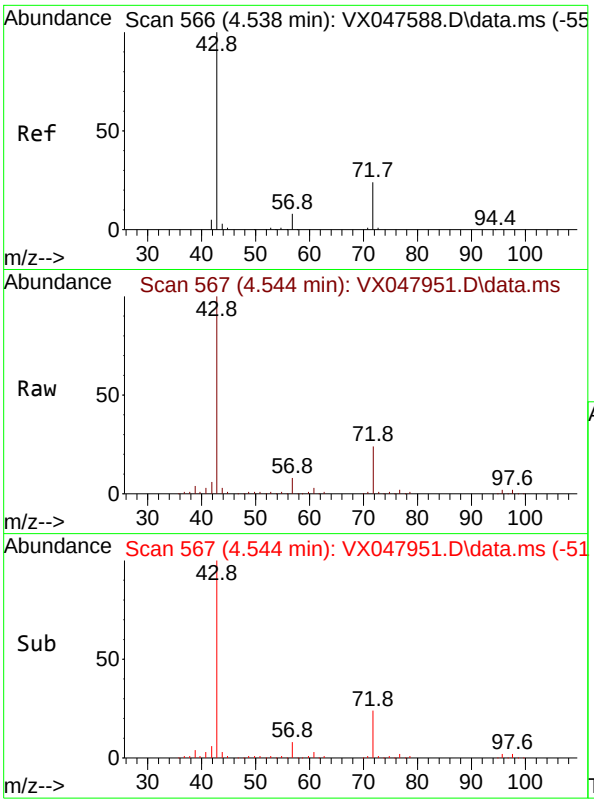


#24
1,1-Dichloroethane
Concen: 53.346 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 63 Resp: 167944

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.1	2.3	6.9

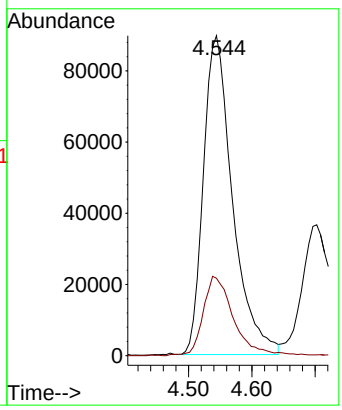




#25
2-Butanone
Concen: 266.444 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 28674

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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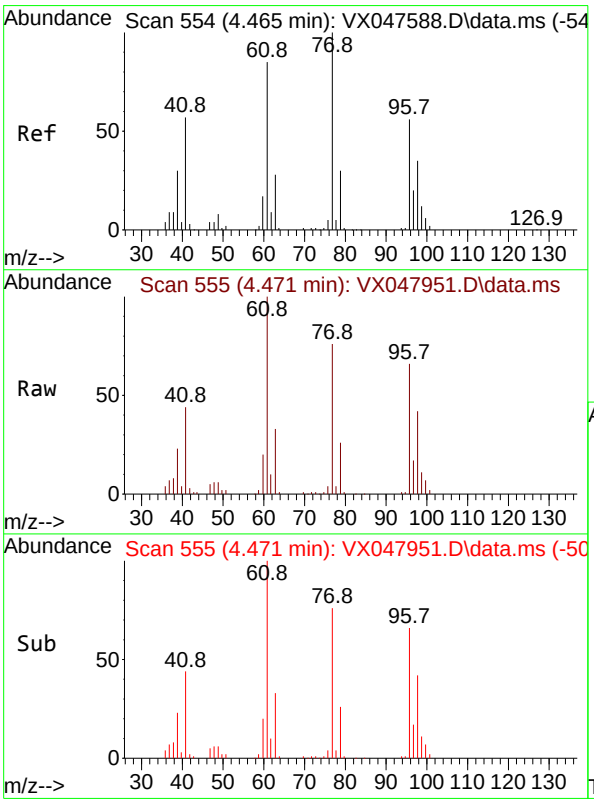
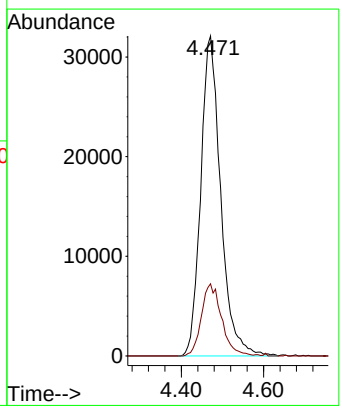
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

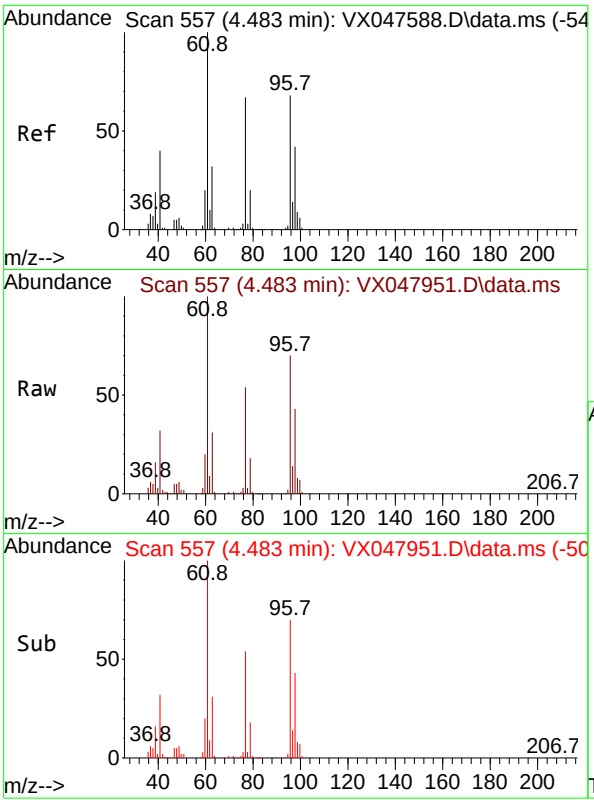


#26
2,2-Dichloropropane
Concen: 41.278 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 77 Resp: 108024

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 52.700 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 96 Resp: 10291

Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	303.2
98	64.7	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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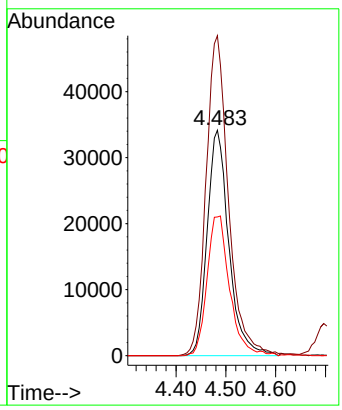
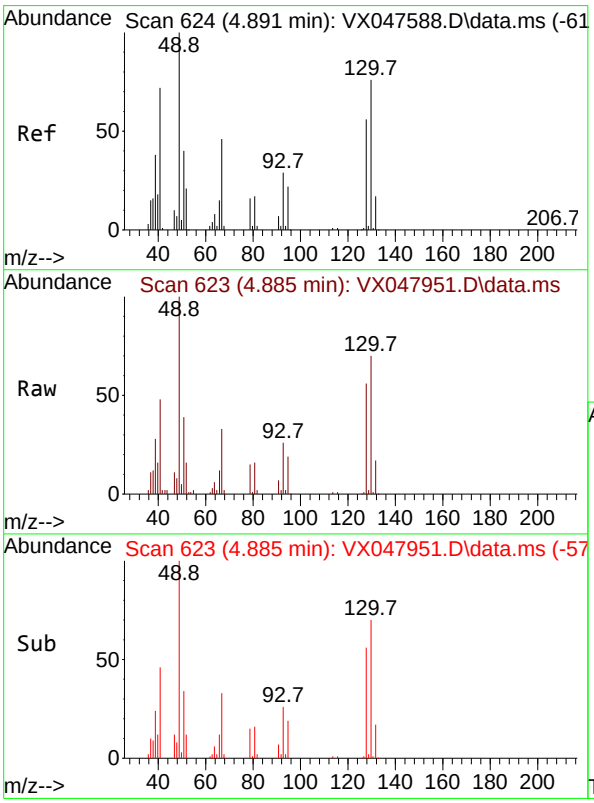
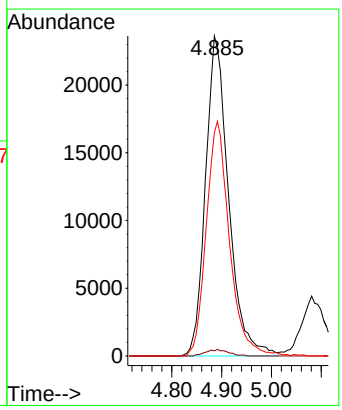


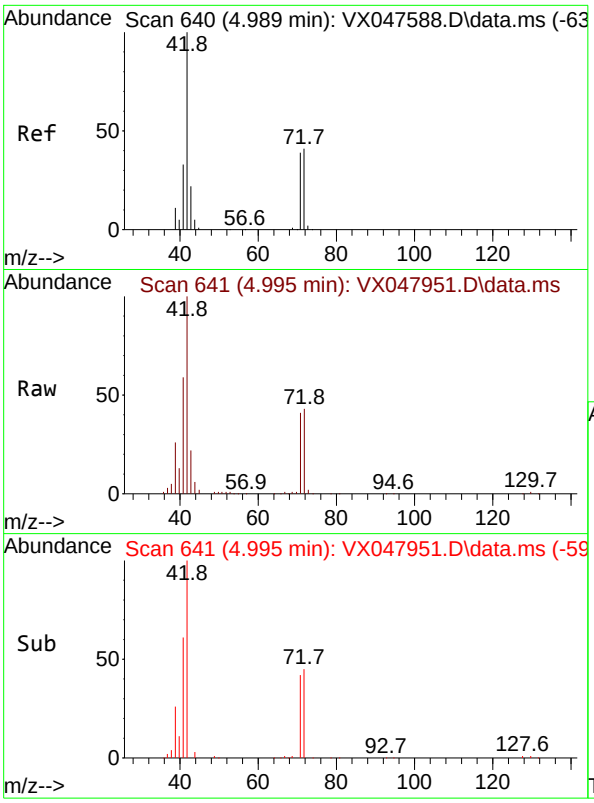


#28
Bromochloromethane
Concen: 55.184 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 49 Resp: 75845

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	73.6	57.8	86.8





#29
Tetrahydrofuran
Concen: 281.897 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 42 Resp: 18250

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.2	51.2
71	40.1	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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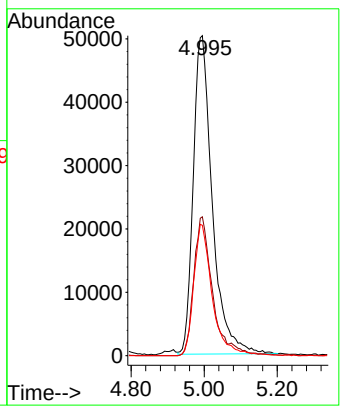
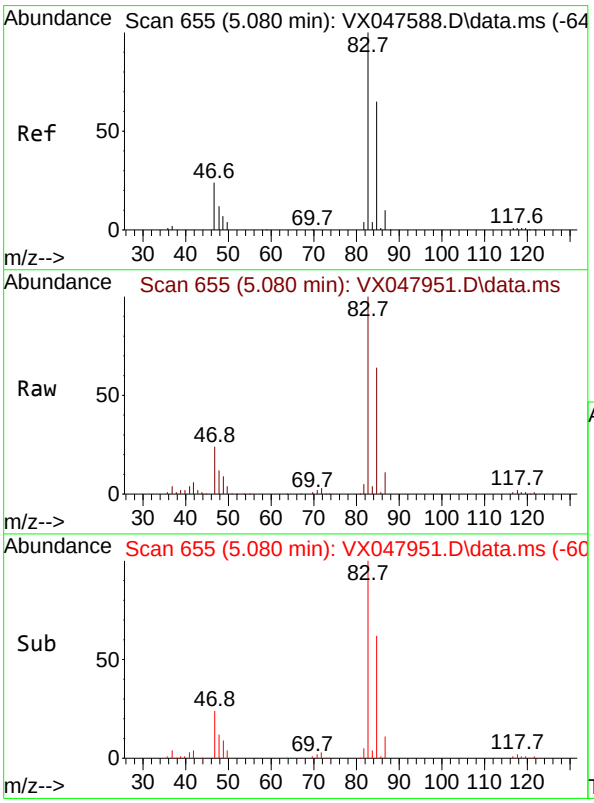
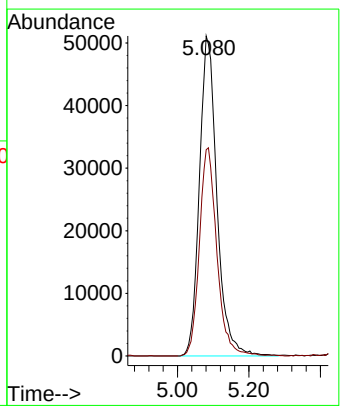


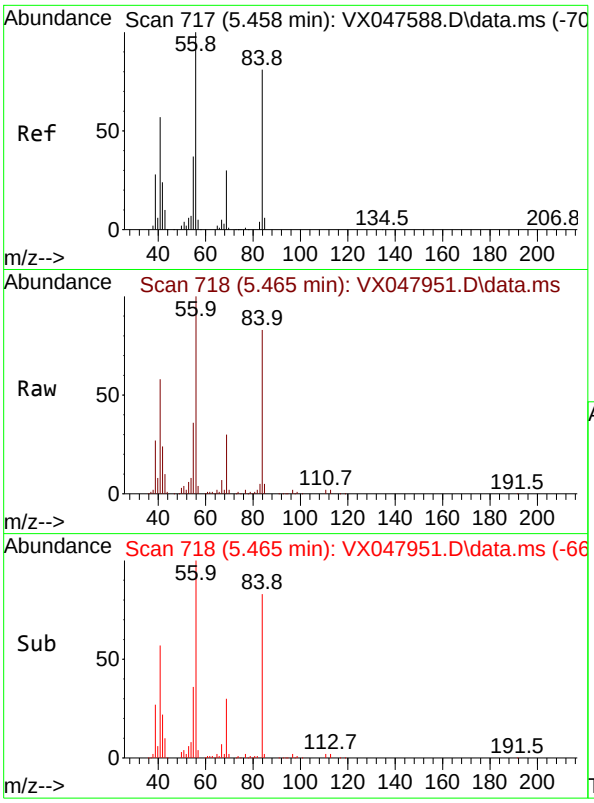


#30
Chloroform
Concen: 54.571 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 83 Resp: 173609

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6

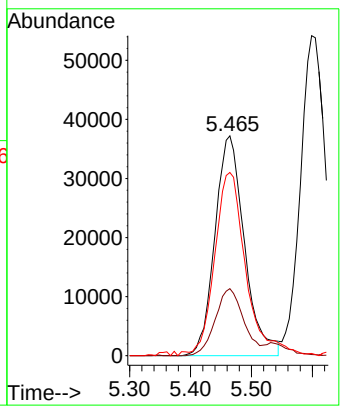




#31
Cyclohexane
Concen: 47.784 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 56 Resp: 12529

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.8
84	83.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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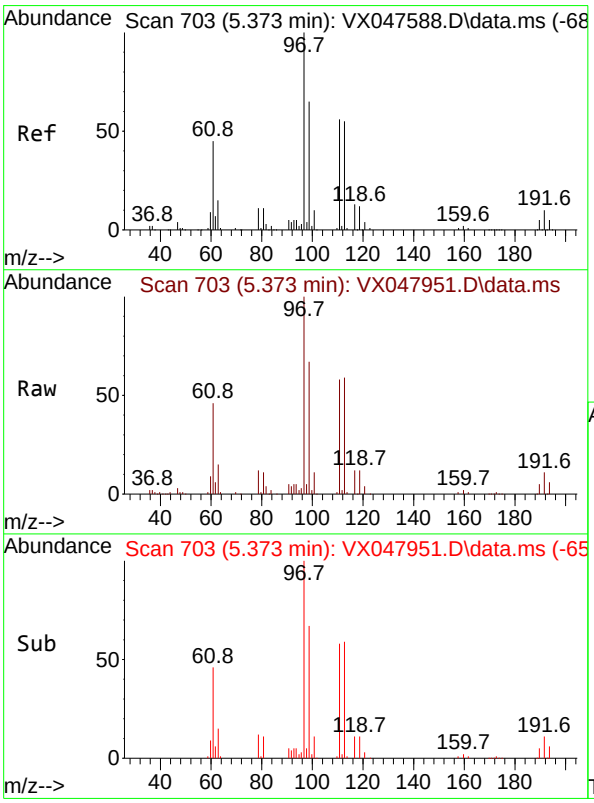
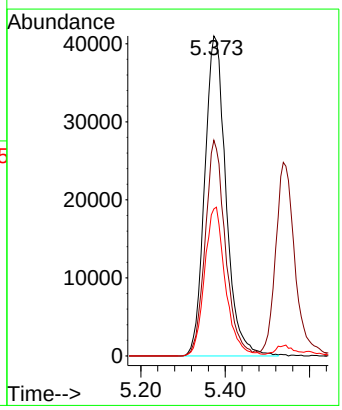
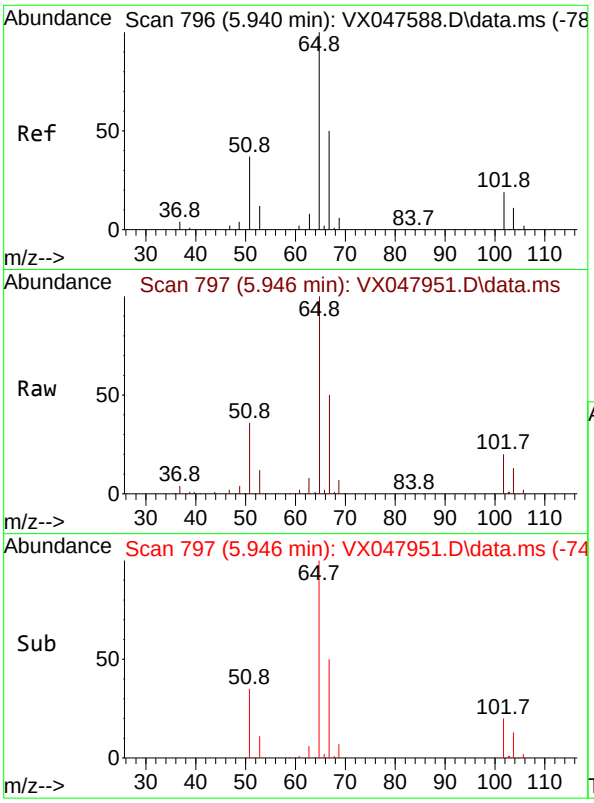


#32
1,1,1-Trichloroethane
Concen: 53.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 97 Resp: 143628

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	45.8	35.8	53.8

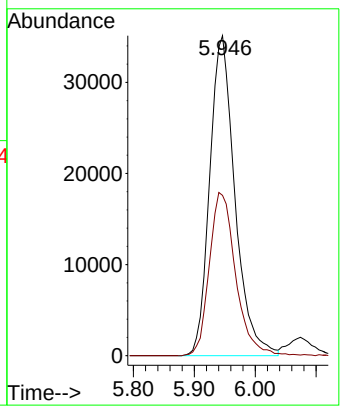




#33
1,2-Dichloroethane-d4
Concen: 50.937 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 65 Resp: 10107

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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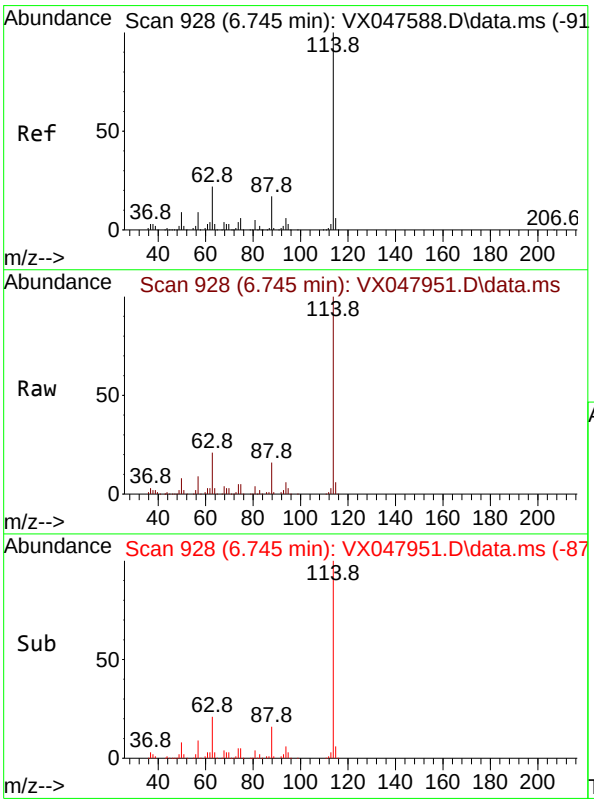
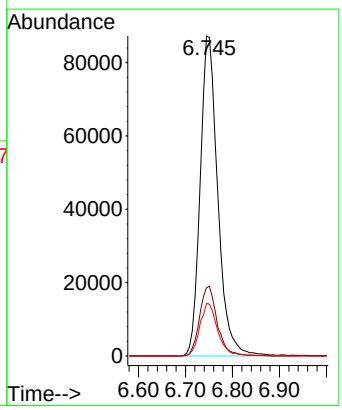
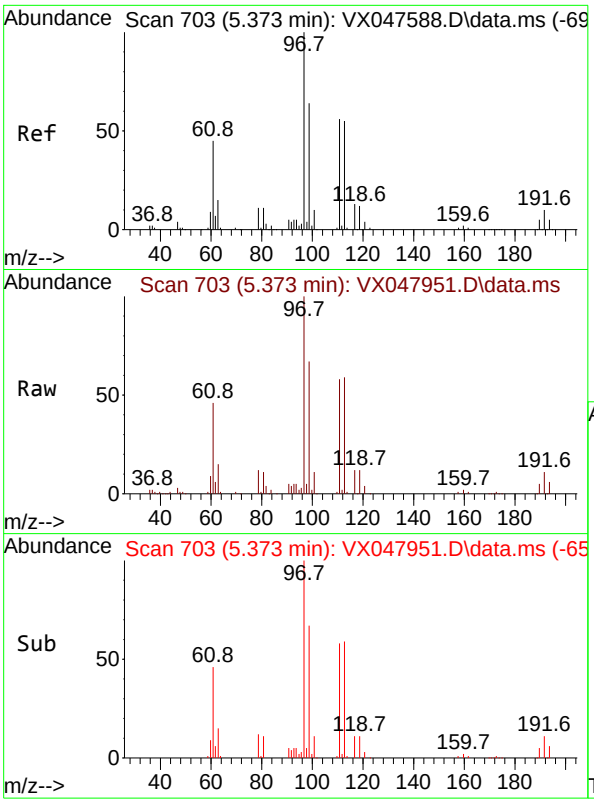


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:114 Resp: 226992

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.4	0.0	34.2

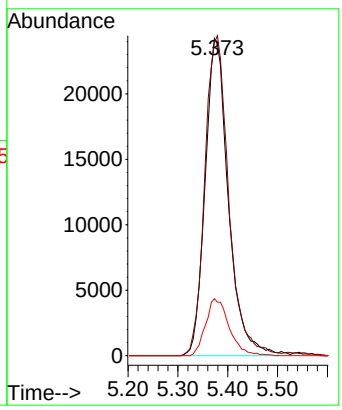




#35
Dibromofluoromethane
Concen: 51.506 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:113 Resp: 7841

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.9	121.3
192	18.3	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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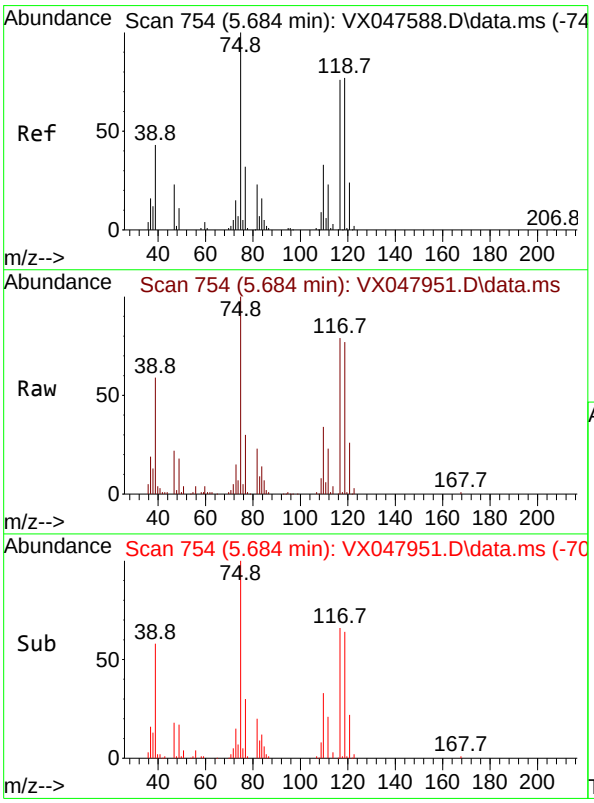
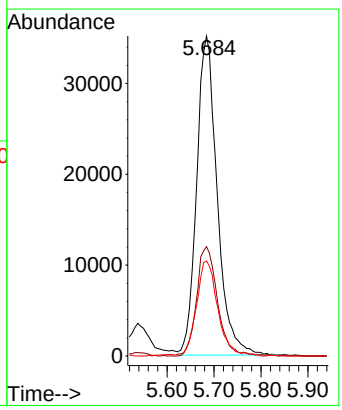
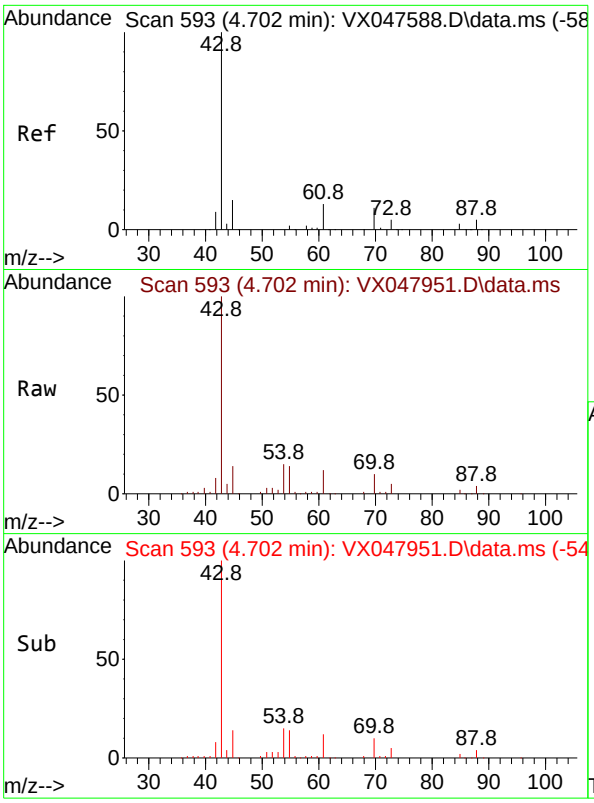


#36
1,1-Dichloropropene
Concen: 48.001 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 106778

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.8	24.3	36.5

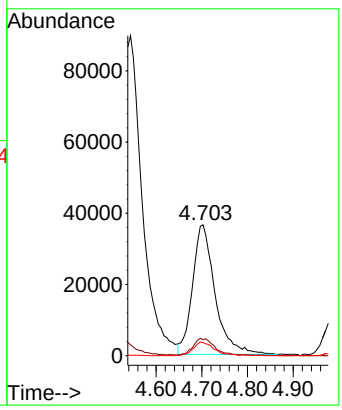




#37
Ethyl Acetate
Concen: 52.317 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 12460

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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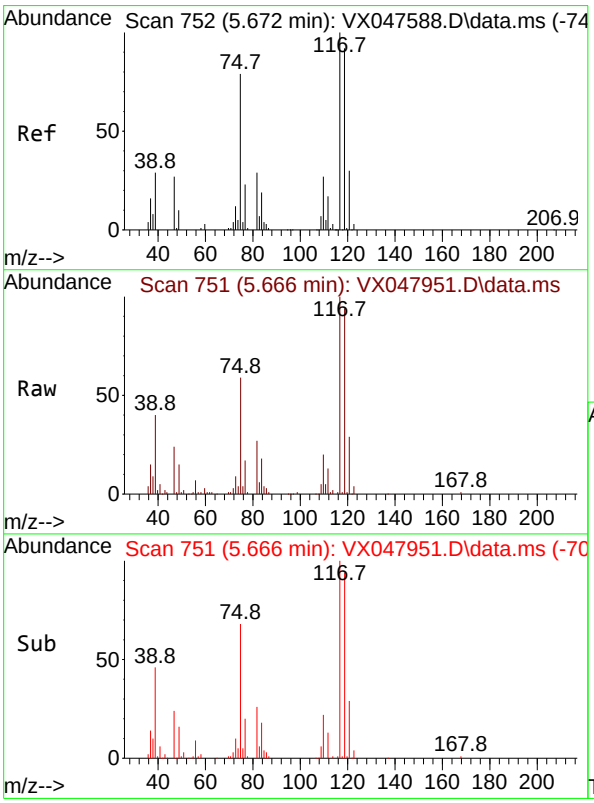
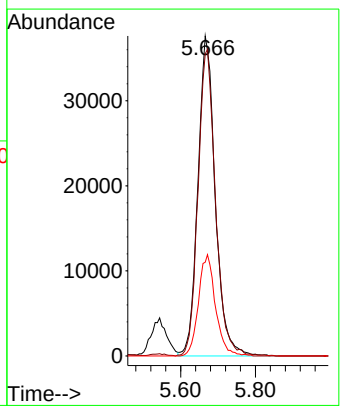
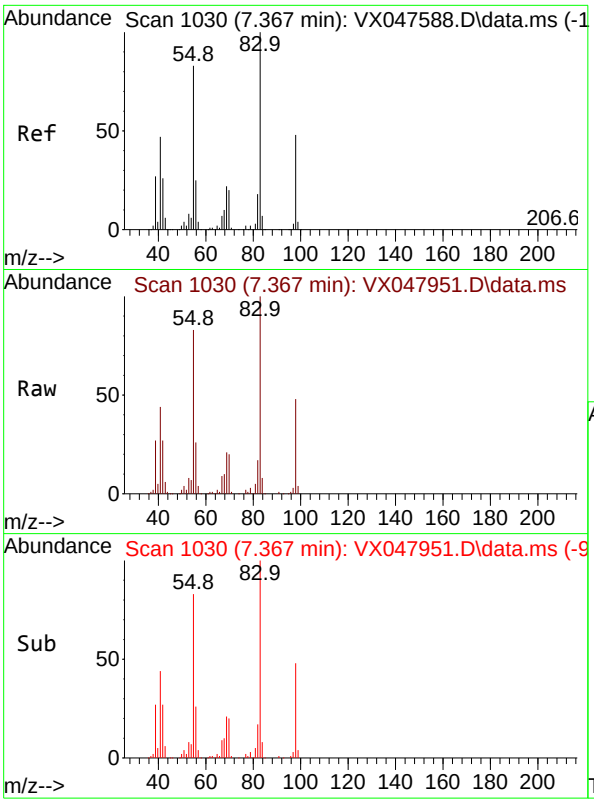


#38
Carbon Tetrachloride
Concen: 50.149 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:117 Resp: 121207

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.4	110.2
121	29.3	23.8	35.6





#39
Methylcyclohexane
Concen: 46.536 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

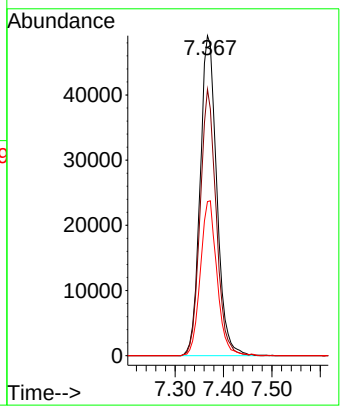
Tgt Ion: 83 Resp: 11750

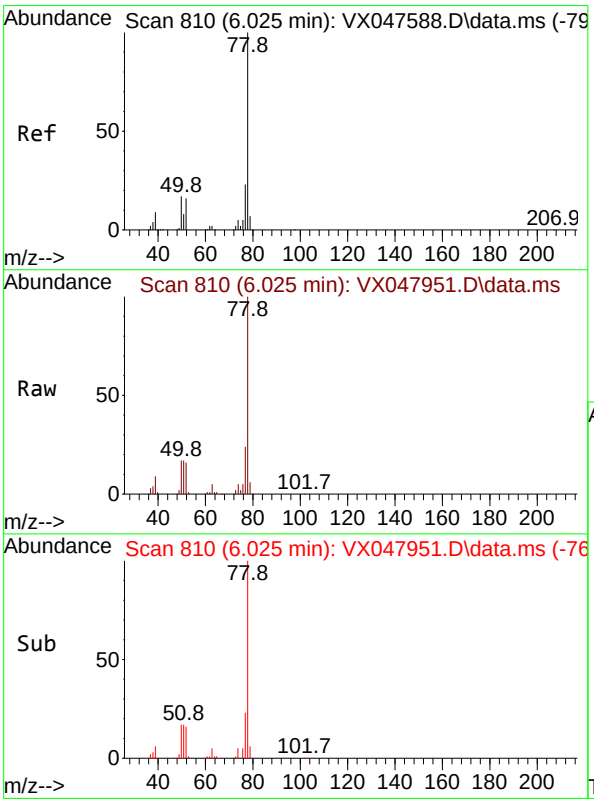
Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	48.2	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

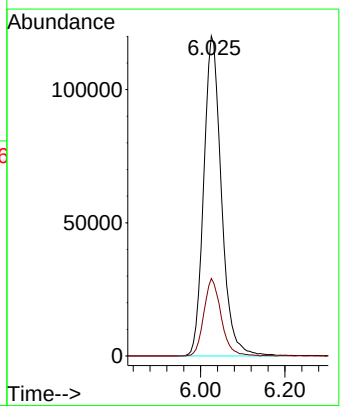


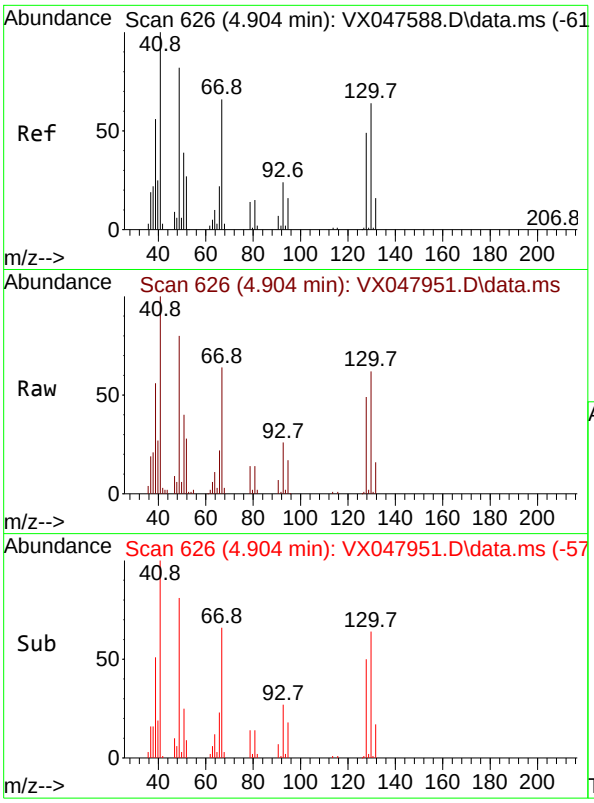


#40
Benzene
Concen: 51.880 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 78 Resp: 350517

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2

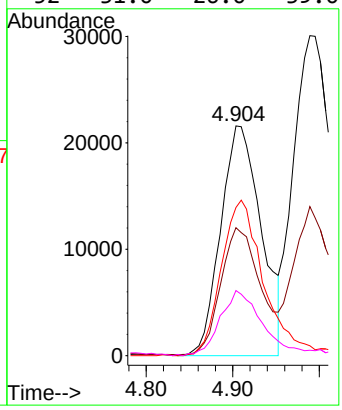




#41
Methacrylonitrile
Concen: 57.354 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 41 Resp: 7052

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.3	64.9
67	72.3	58.6	87.8
52	31.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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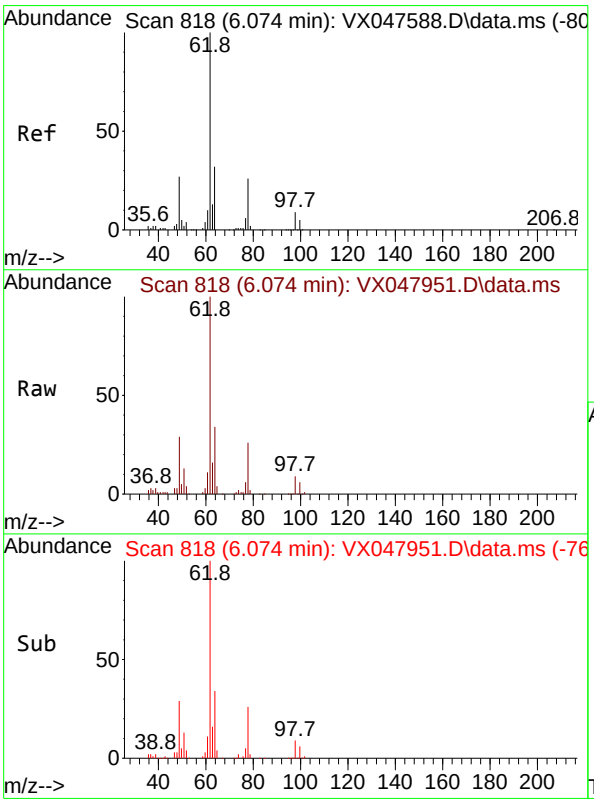
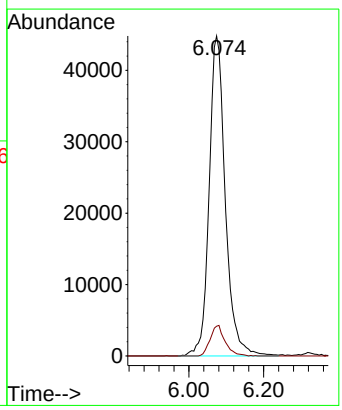
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

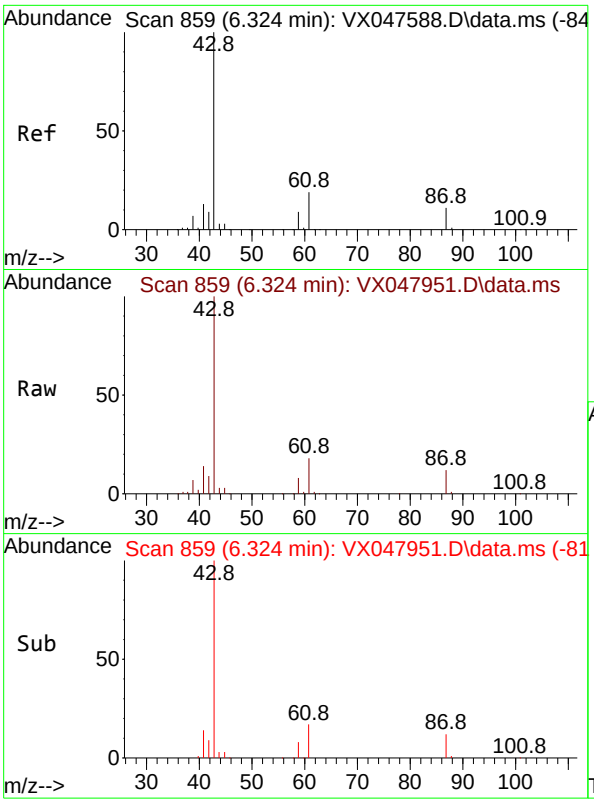


#42
1,2-Dichloroethane
Concen: 52.376 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 62 Resp: 134642

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0





#43
Isopropyl Acetate
Concen: 53.699 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 20976

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.2	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations
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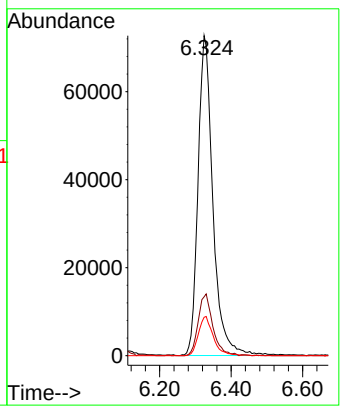
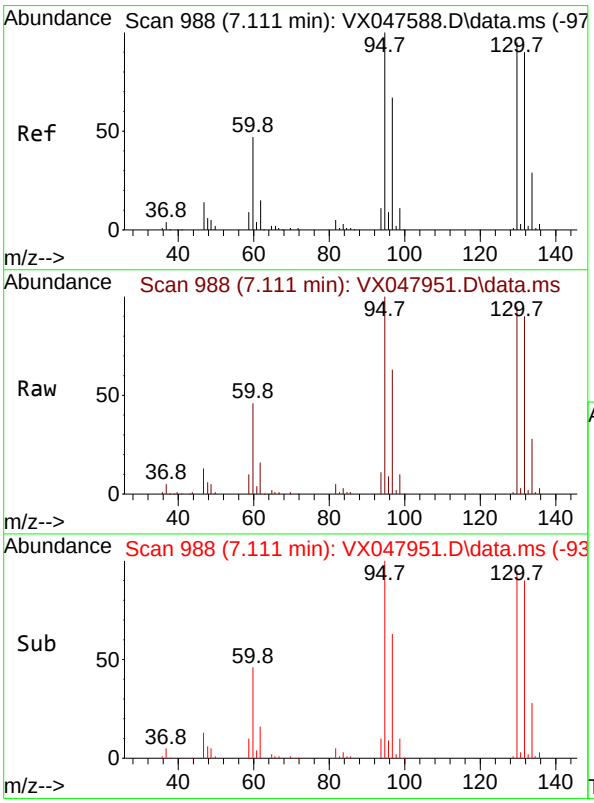
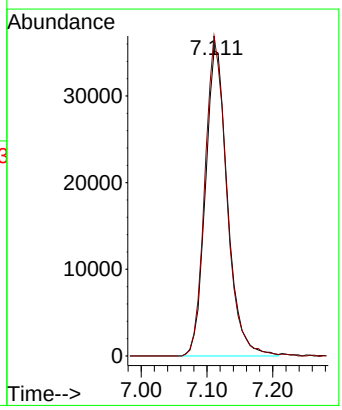


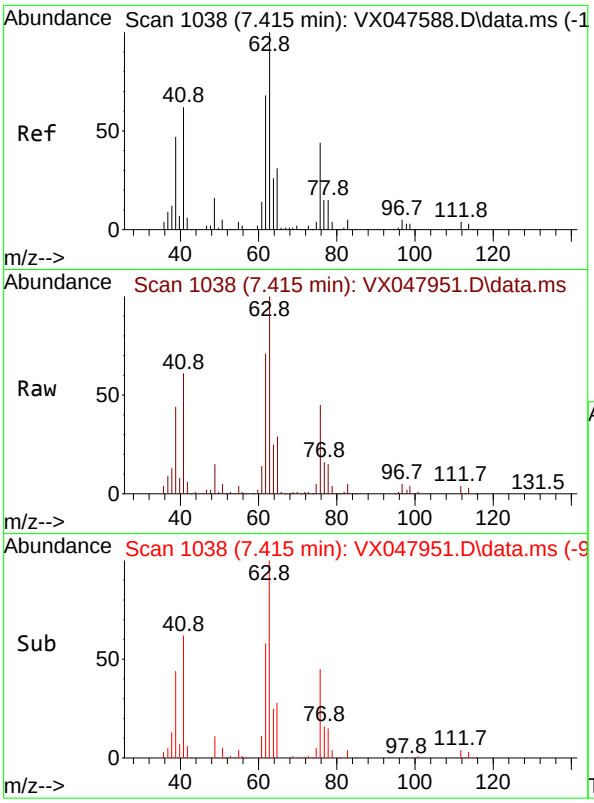


#44
Trichloroethene
Concen: 51.102 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:130 Resp: 83472

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	210.8





#45
1,2-Dichloropropane
Concen: 53.711 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 63 Resp: 9292

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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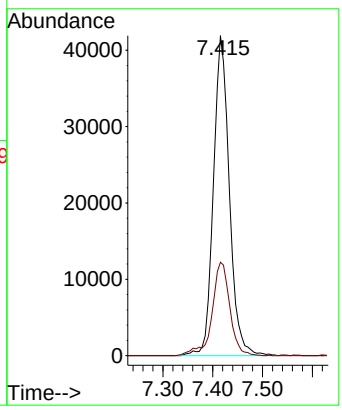
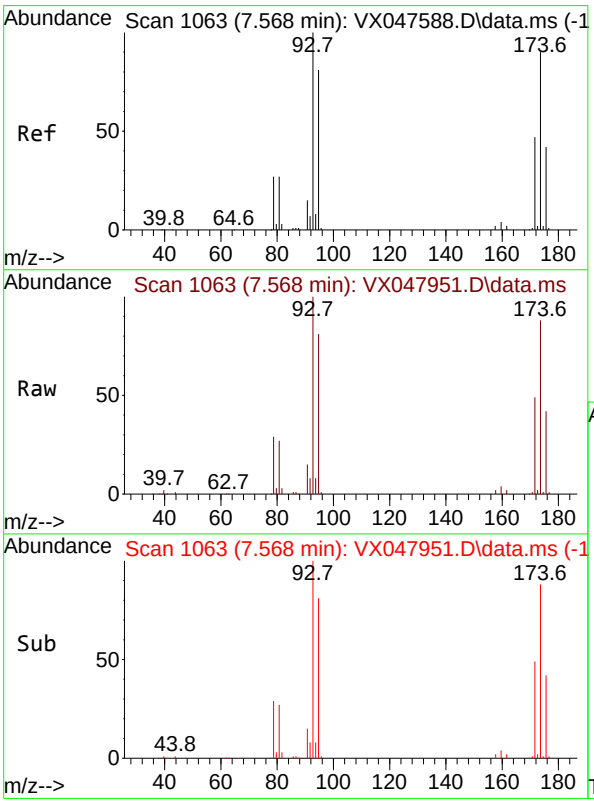
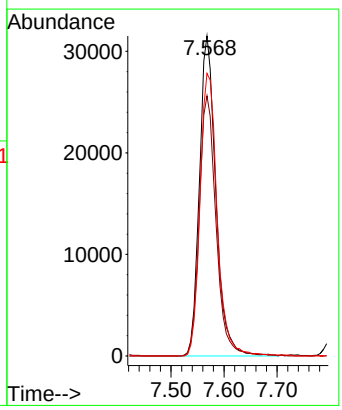


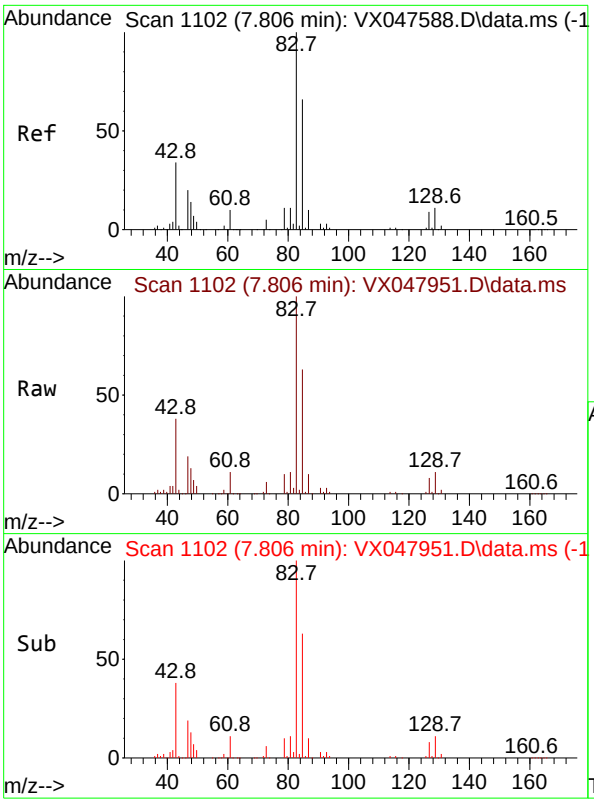


#46
Dibromomethane
Concen: 53.786 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 93 Resp: 67714

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.0	97.6
174	92.4	71.6	107.4

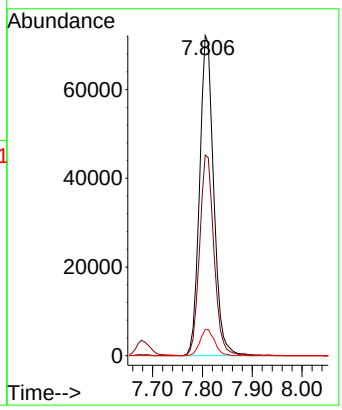




#47
Bromodichloromethane
Concen: 54.690 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 83 Resp: 14208

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
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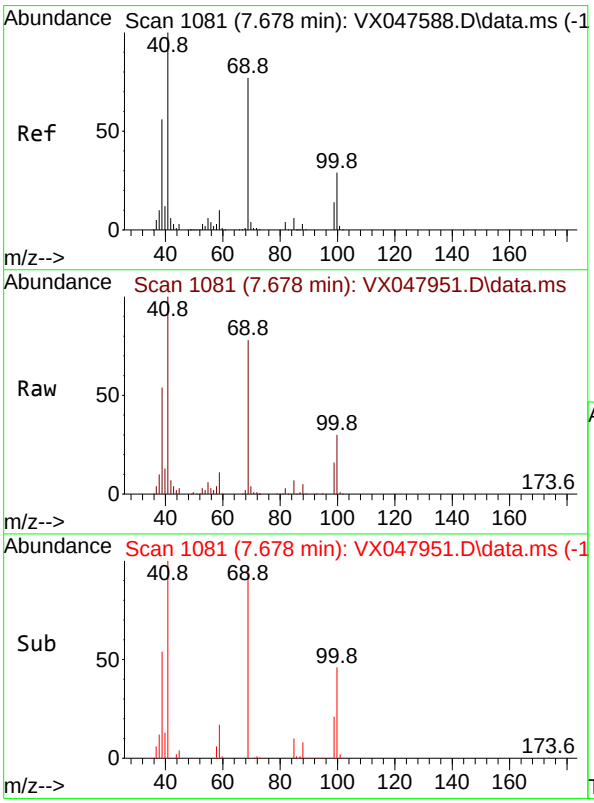
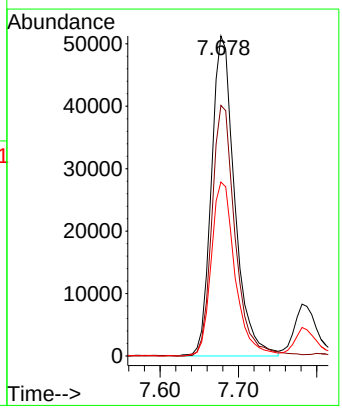
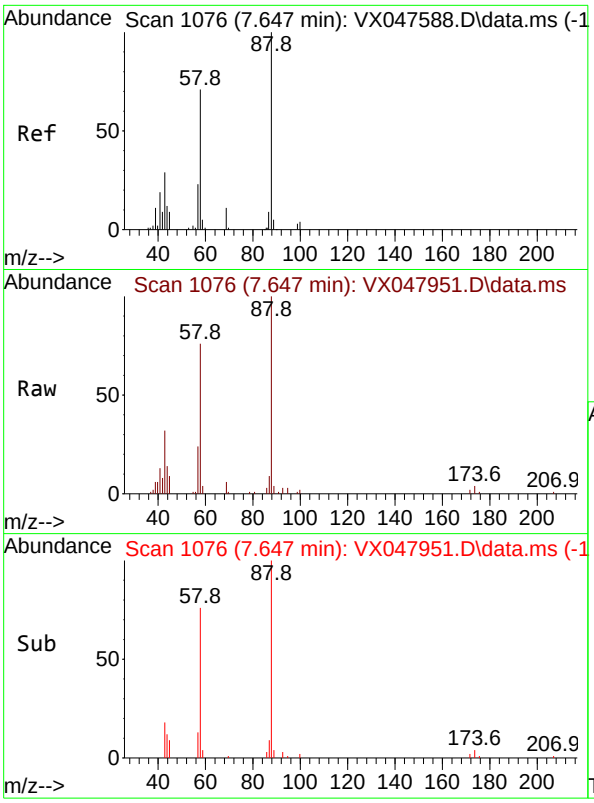


#48
Methyl methacrylate
Concen: 54.395 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 41 Resp: 105840

Ion	Ratio	Lower	Upper
41	100		
69	78.1	61.4	92.2
39	55.4	45.8	68.6

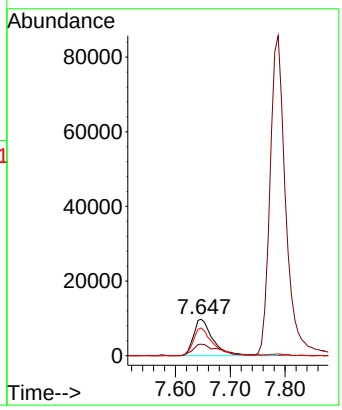




#49
1,4-Dioxane
Concen: 1233.522 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 88 Resp: 2425

Ion	Ratio	Lower	Upper
88	100		
43	40.5	30.2	45.2
58	76.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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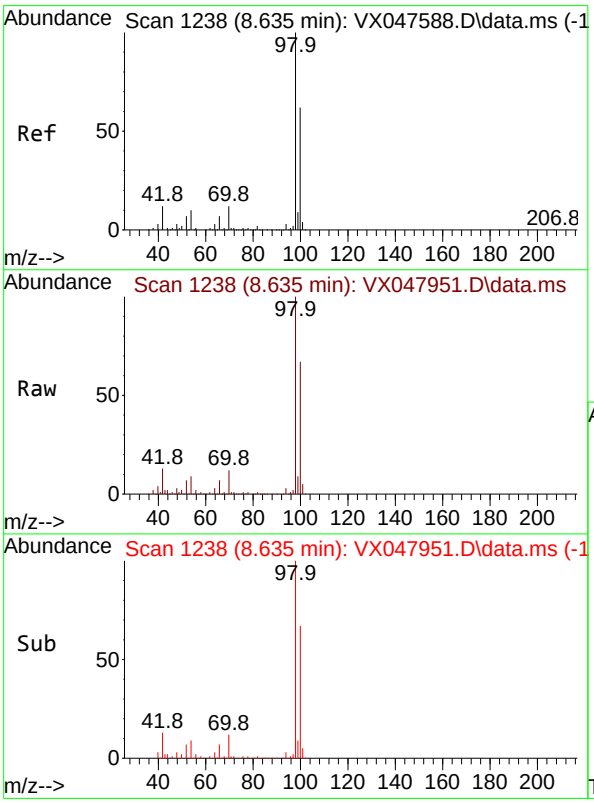
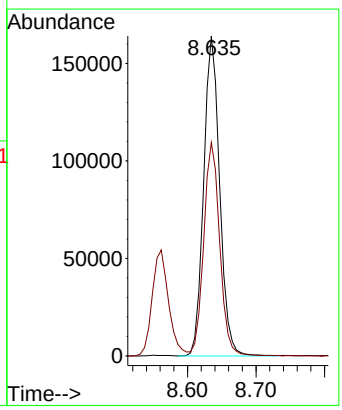
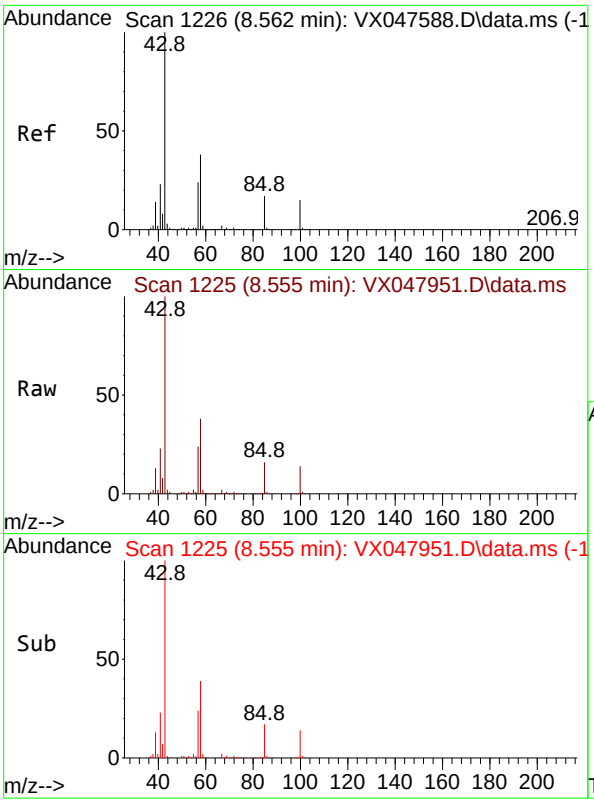


#50
Toluene-d8
Concen: 50.632 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 98 Resp: 266707

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

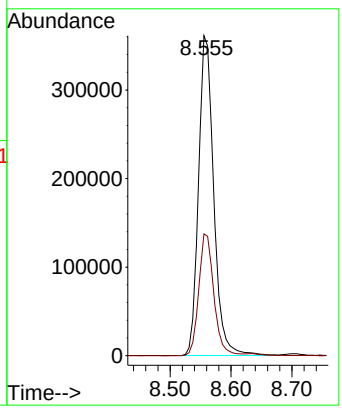




#51
4-Methyl-2-Pentanone
Concen: 290.007 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 62810

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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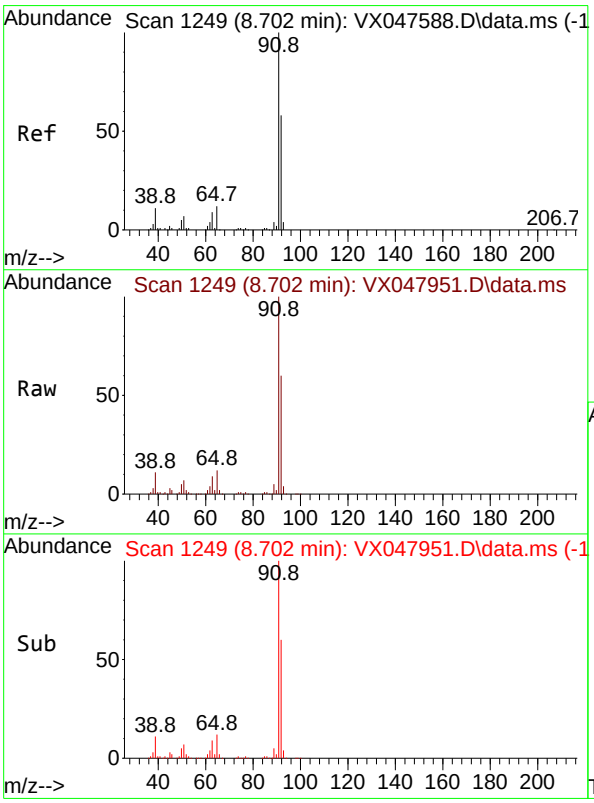
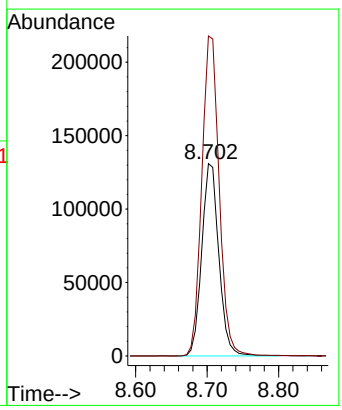
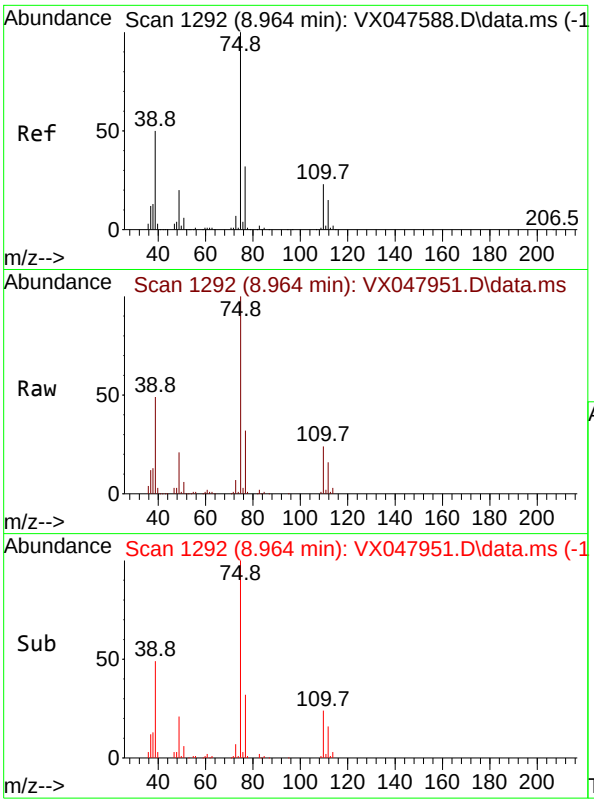


#52
Toluene
Concen: 52.243 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 92 Resp: 217465

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.1	205.7

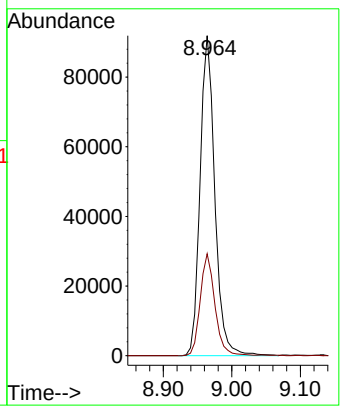




#53
t-1,3-Dichloropropene
Concen: 51.999 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 13779

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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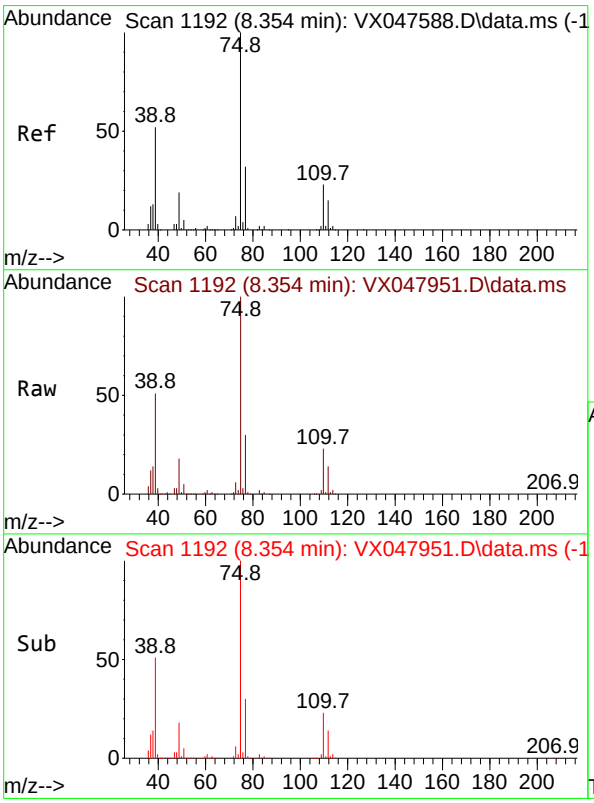
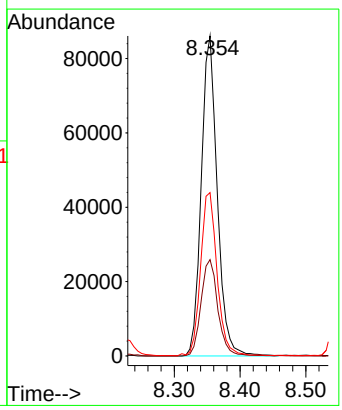
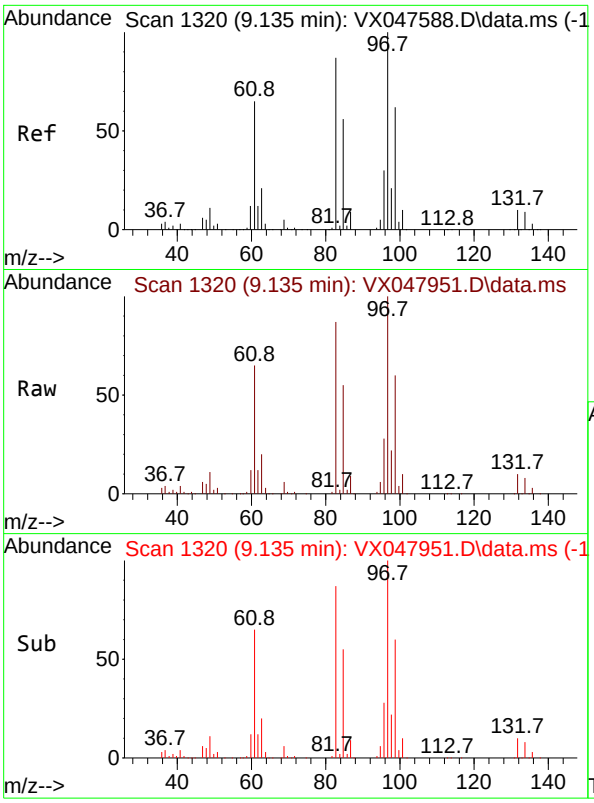


#54
cis-1,3-Dichloropropene
Concen: 51.366 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 145487

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	50.4	41.4	62.2

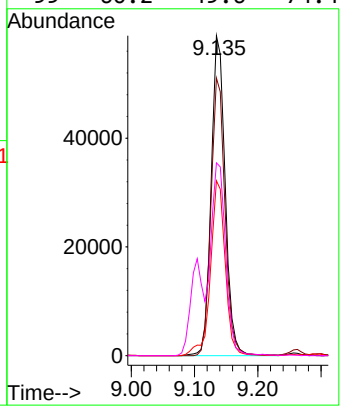




#55
1,1,2-Trichloroethane
Concen: 56.354 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 97 Resp: 9045

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.6	104.4
85	54.7	45.0	67.6
99	60.2	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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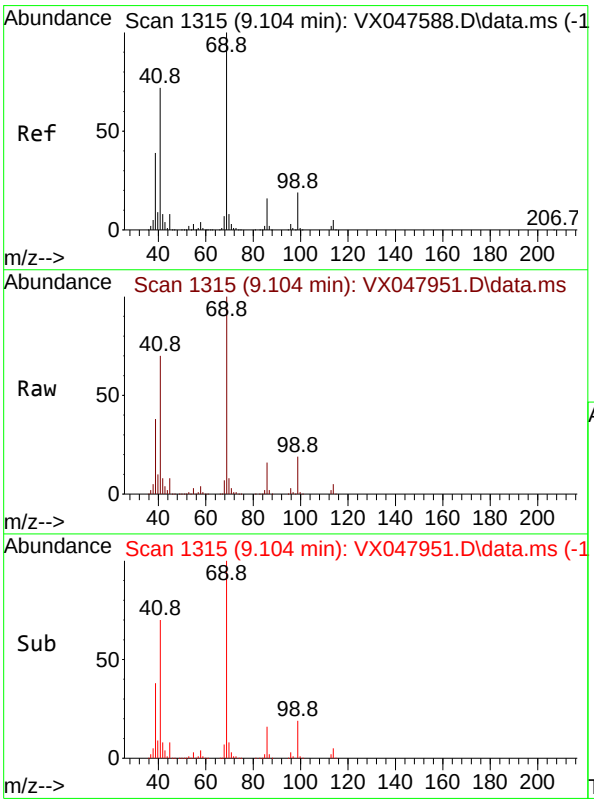
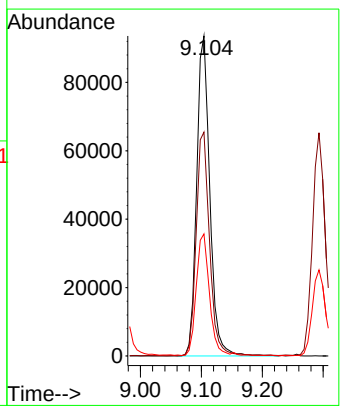
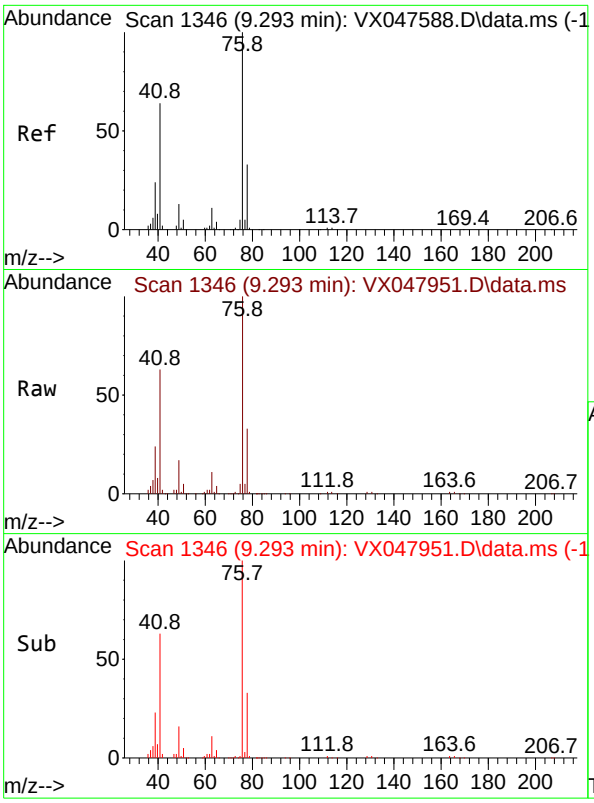


#56
Ethyl methacrylate
Concen: 55.650 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 69 Resp: 140278

Ion	Ratio	Lower	Upper
69	100		
41	70.9	58.6	87.8
39	38.6	31.5	47.3

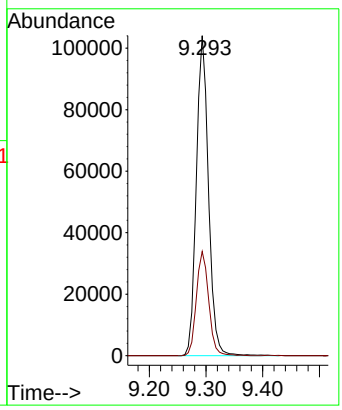




#57
1,3-Dichloropropane
Concen: 56.148 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 76 Resp: 15481

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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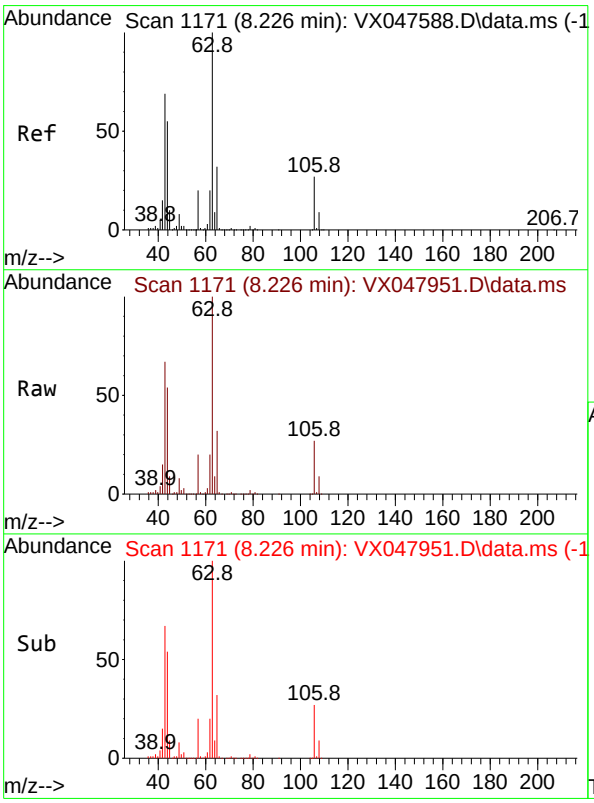
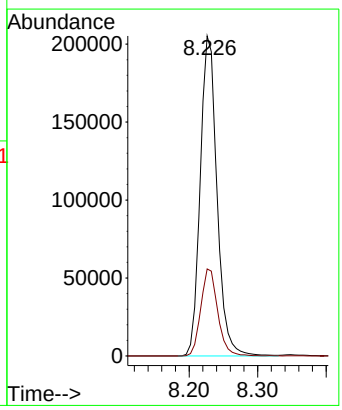
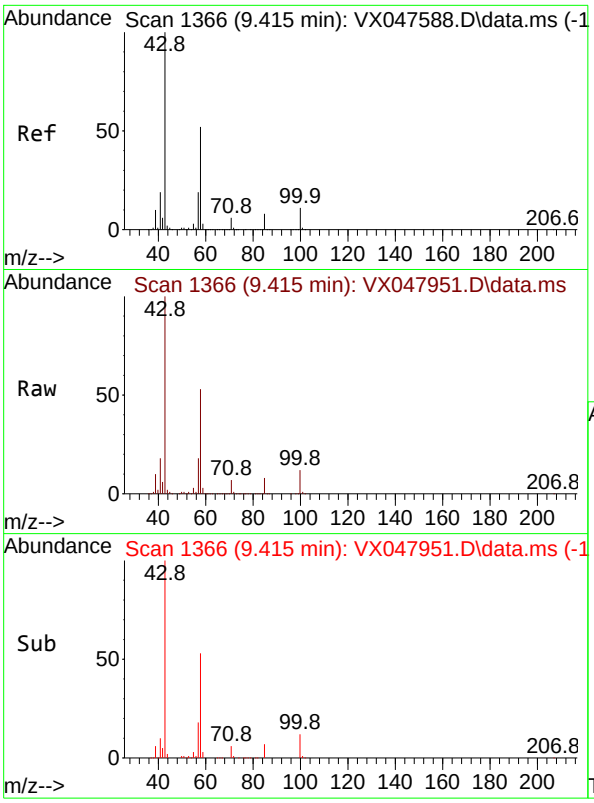


#58
2-Chloroethyl Vinyl ether
Concen: 287.656 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 63 Resp: 349890

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 280.325 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

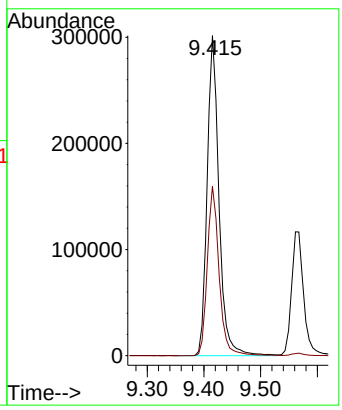
Tgt Ion: 43 Resp: 43604

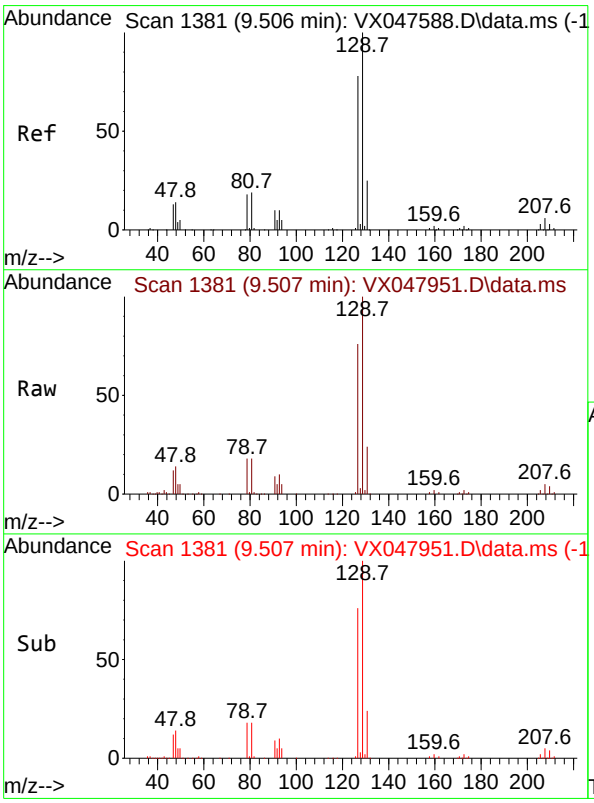
Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

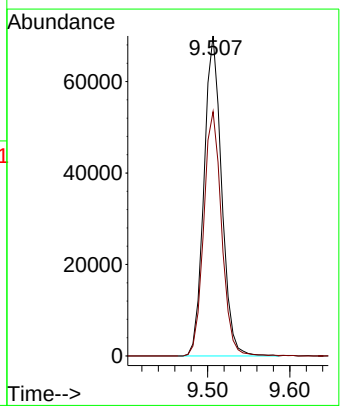


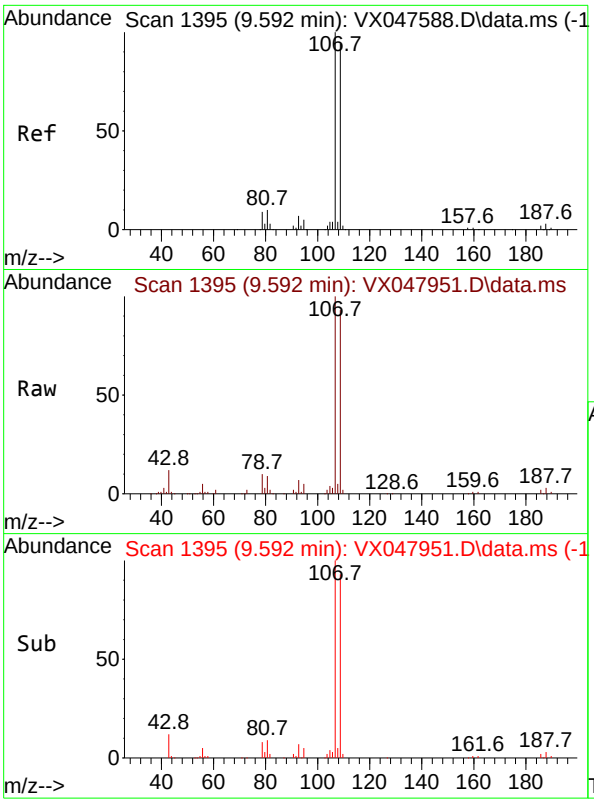


#60
Dibromochloromethane
Concen: 56.483 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:129 Resp: 104459

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2





#61
1,2-Dibromoethane
Concen: 56.608 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:107 Resp: 9254

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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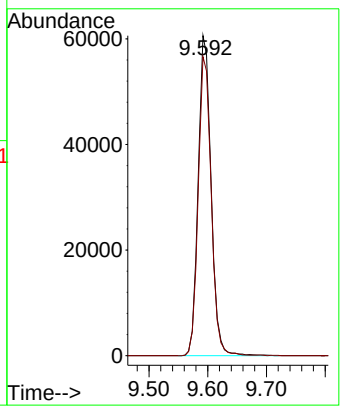
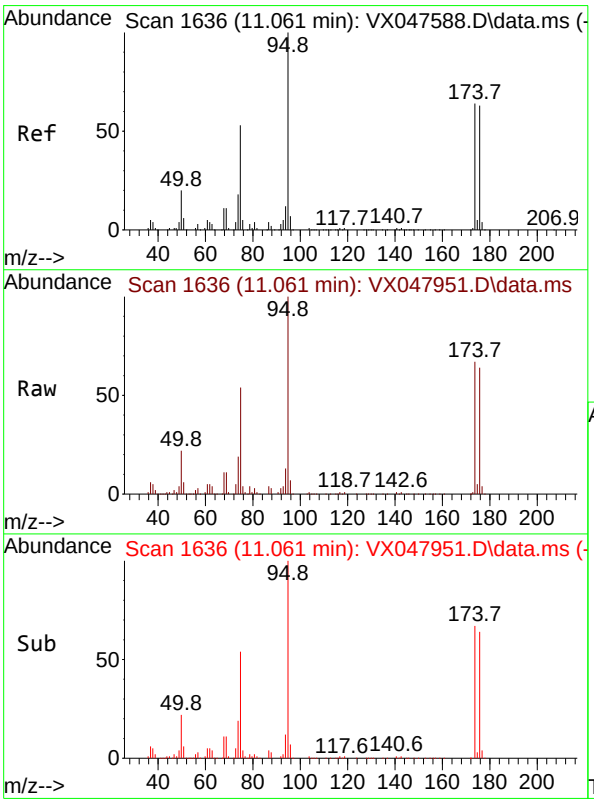
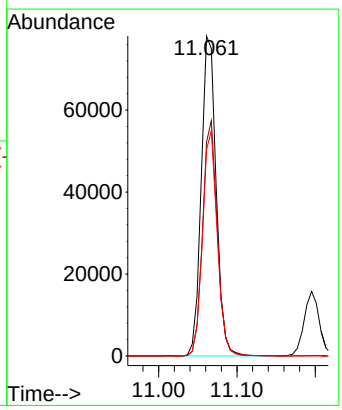


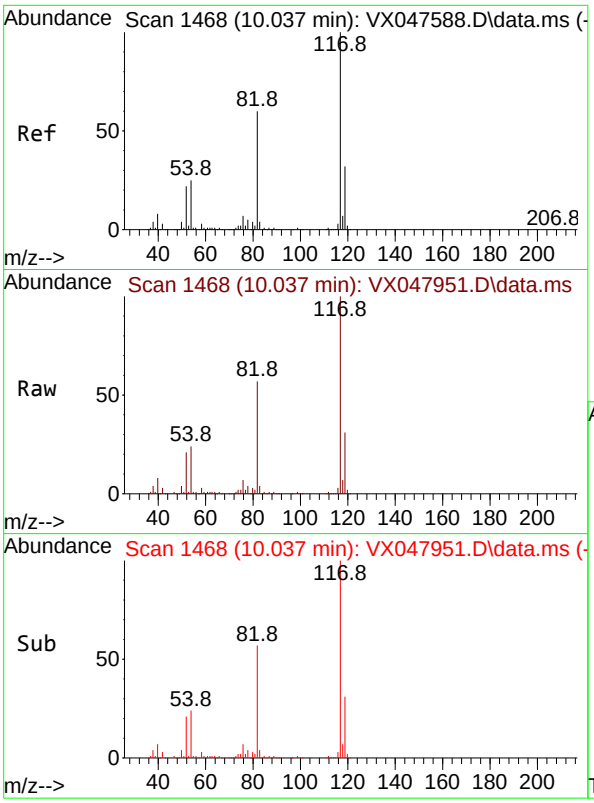


#62
4-Bromofluorobenzene
Concen: 51.557 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 95 Resp: 103069

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:117 Resp: 20871

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.8	71.6
119	31.2	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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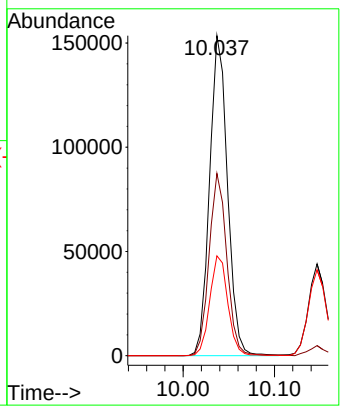
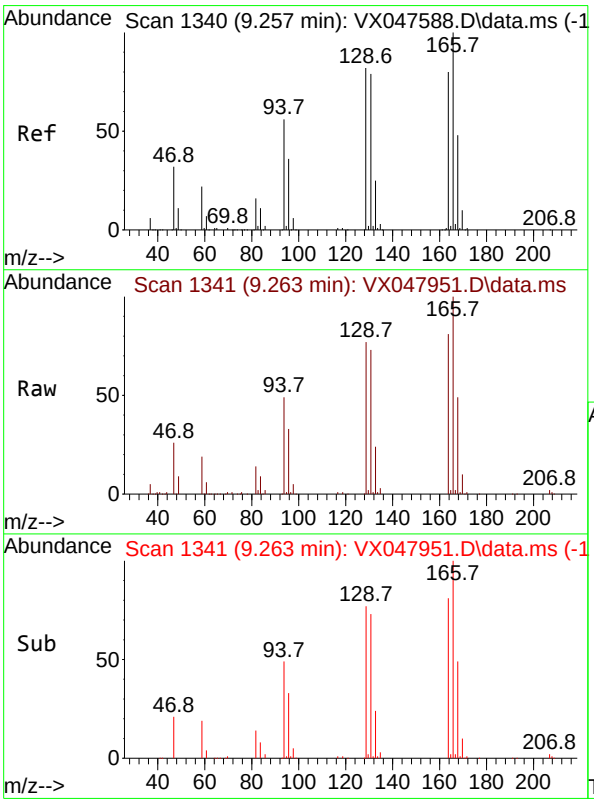
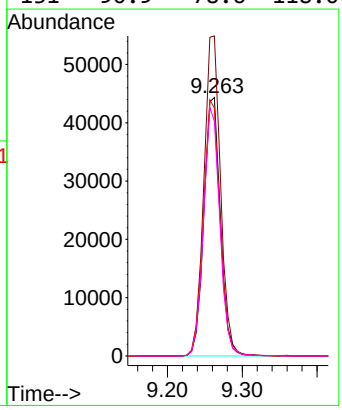


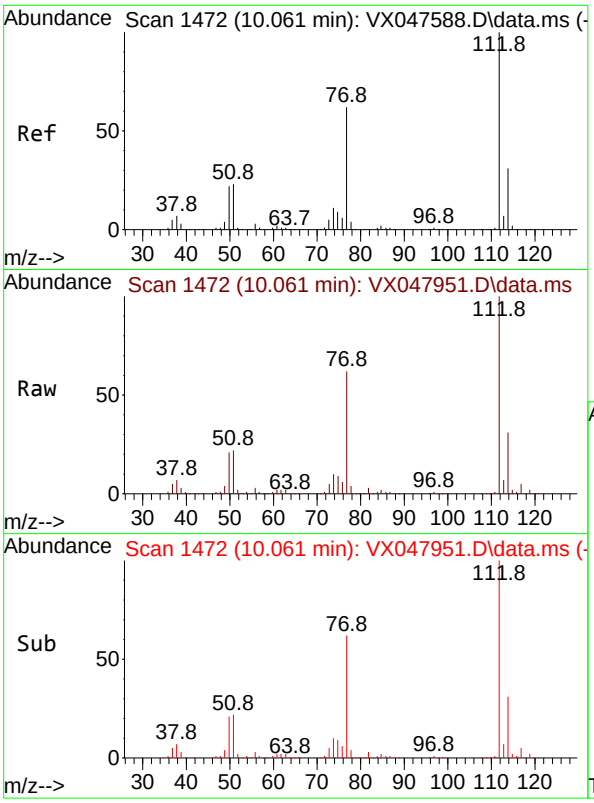


#64
Tetrachloroethene
Concen: 50.076 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:164 Resp: 68132

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	95.9	81.8	122.6
131	90.9	78.6	118.0





#65
Chlorobenzene
Concen: 51.241 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:112 Resp: 24296

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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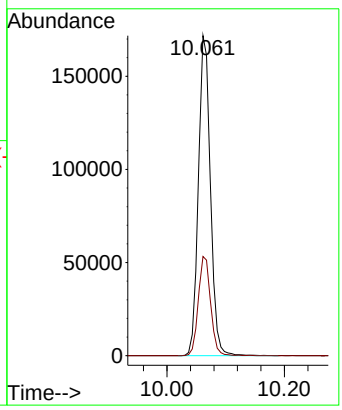
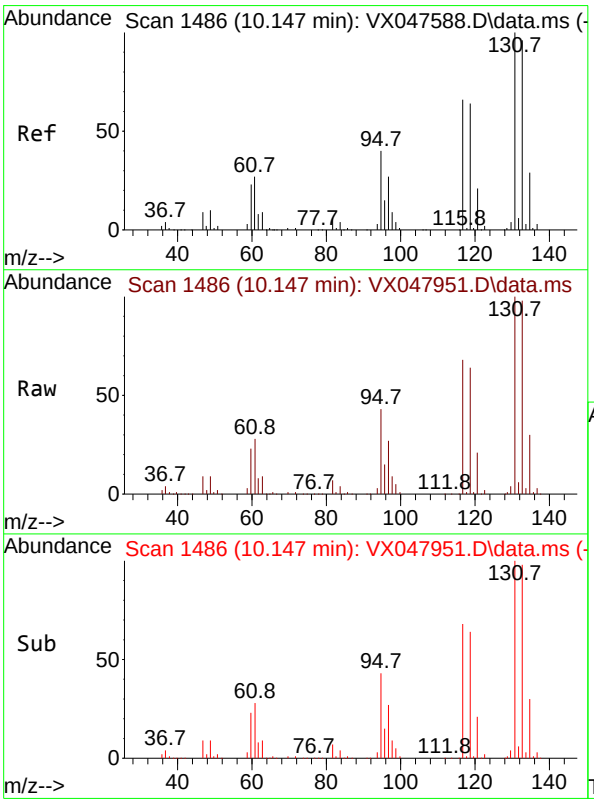
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

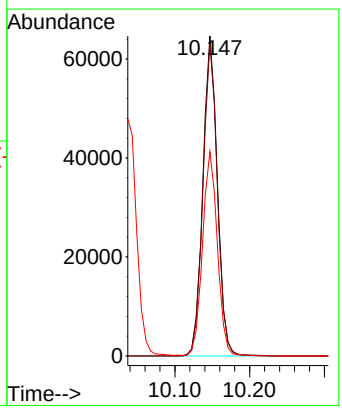


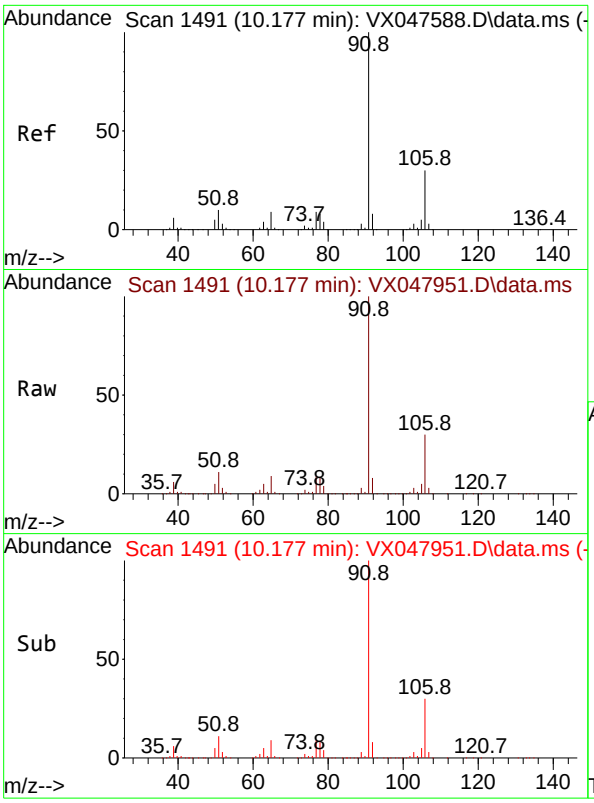


#66
1,1,1,2-Tetrachloroethane
Concen: 53.346 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:131 Resp: 87283

Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	65.2	32.0	96.0





#67
Ethyl Benzene
Concen: 50.575 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 41375

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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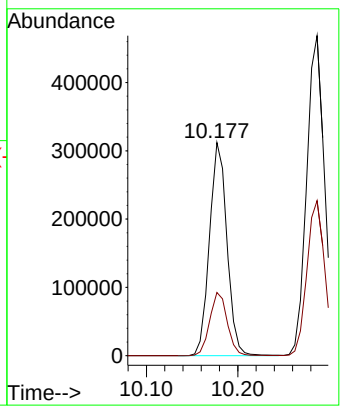
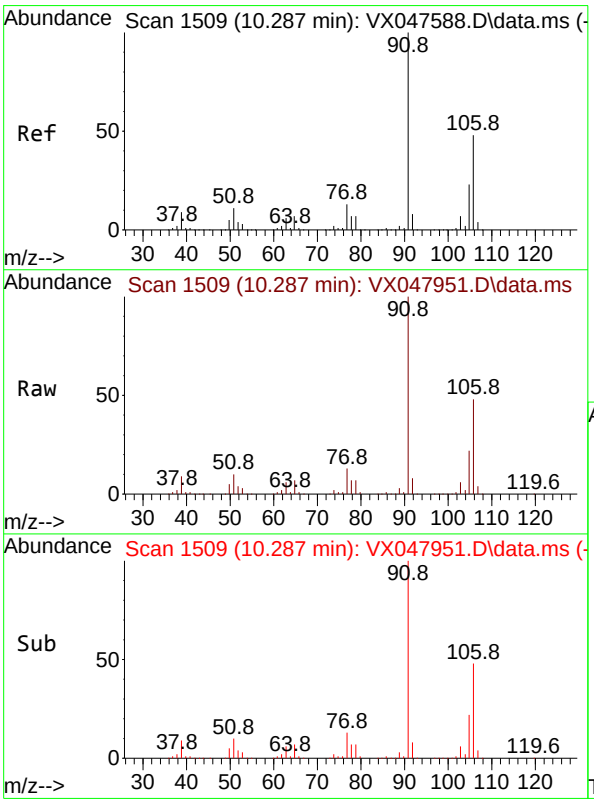
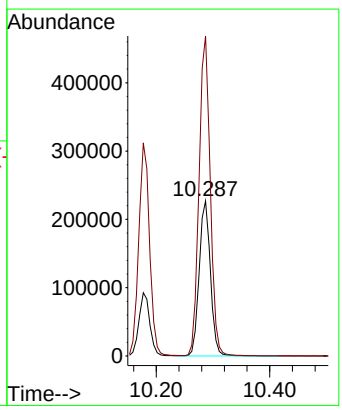


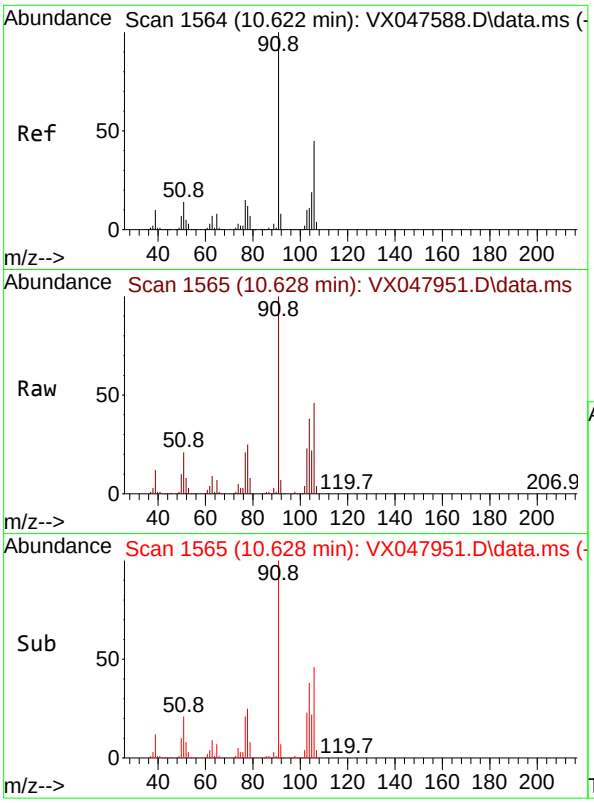


#68
m/p-Xylenes
Concen: 102.520 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:106 Resp: 312179

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.8	251.8





#69
o-Xylene
Concen: 51.807 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:106 Resp: 15258

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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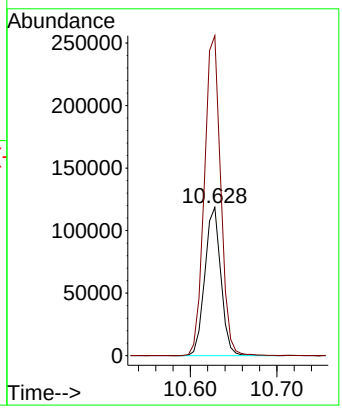
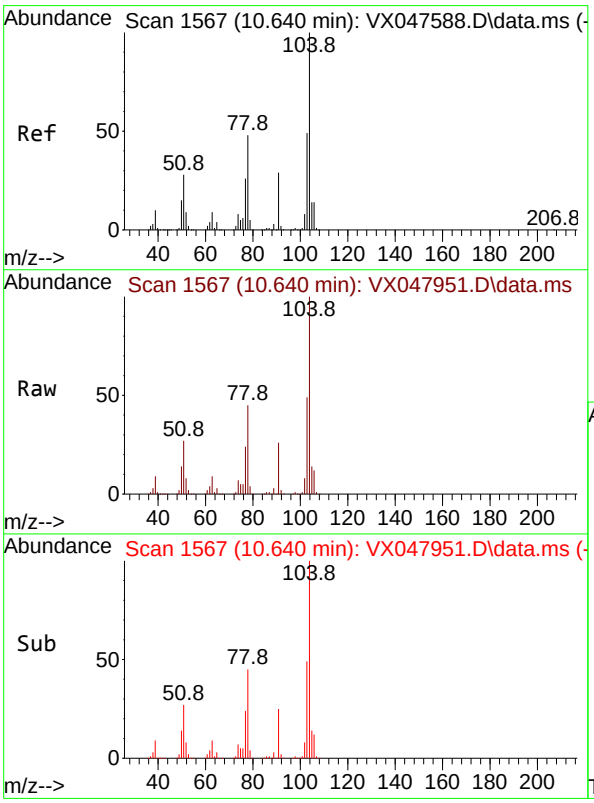
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

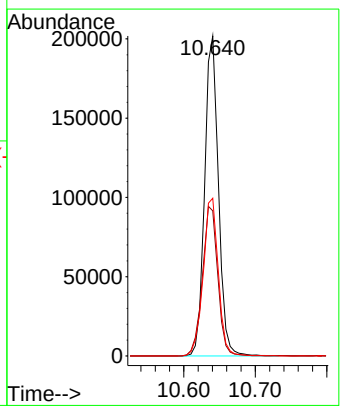


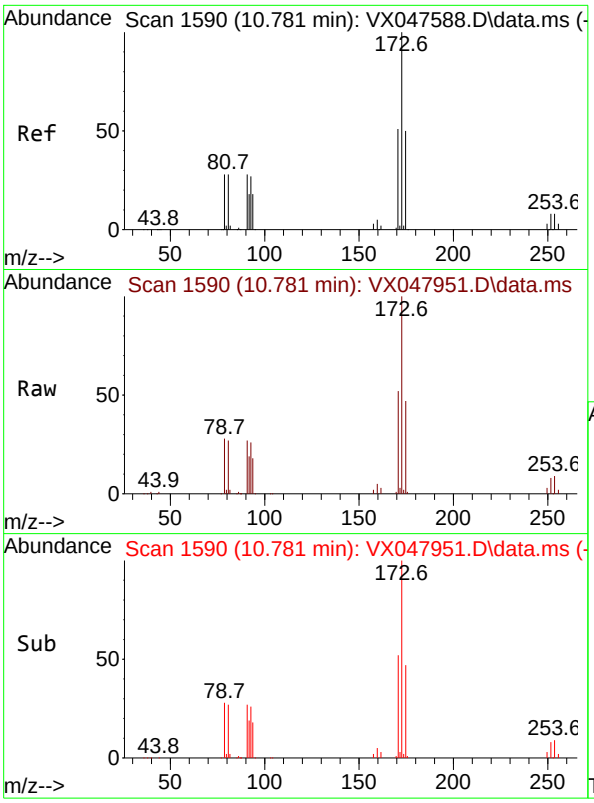


#70
Styrene
Concen: 52.490 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:104 Resp: 270885

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	54.0	43.1	64.7

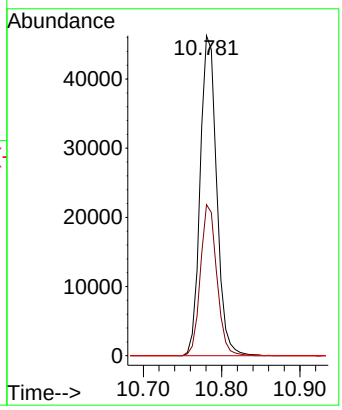




#71
Bromoform
Concen: 55.387 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:173 Resp: 6766

Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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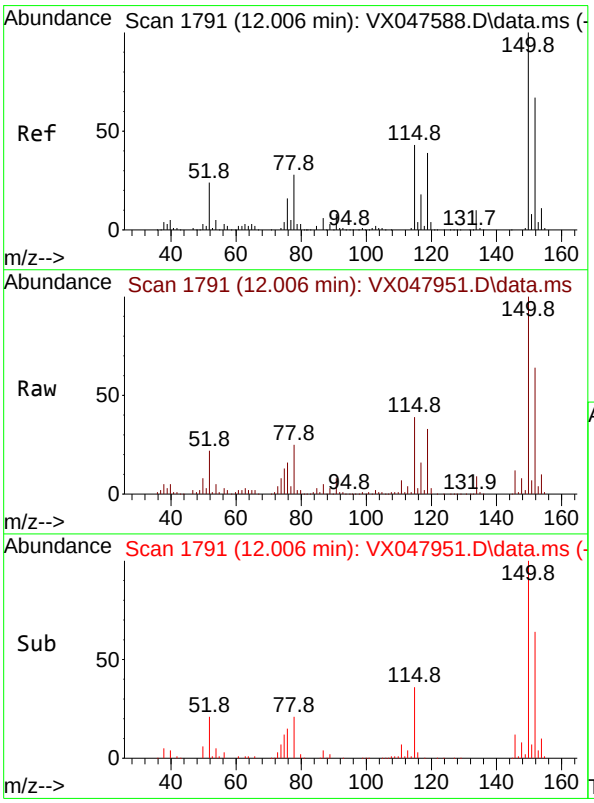
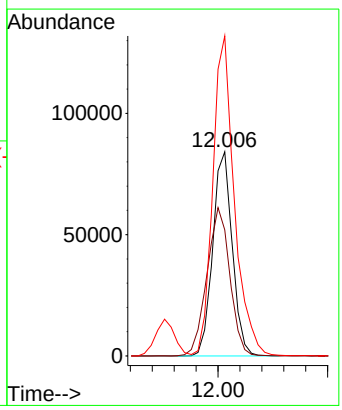
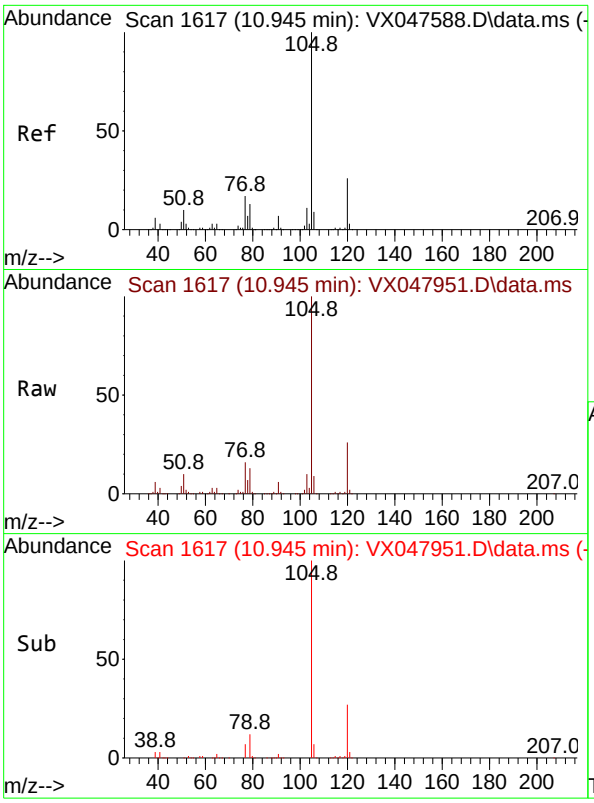


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:152 Resp: 104001

Ion	Ratio	Lower	Upper
152	100		
115	85.6	44.9	134.5
150	173.5	0.0	352.0

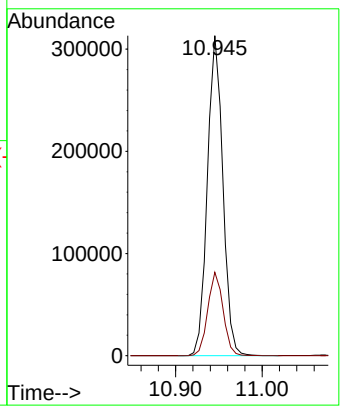




#73
Isopropylbenzene
Concen: 49.069 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:105 Resp: 38797

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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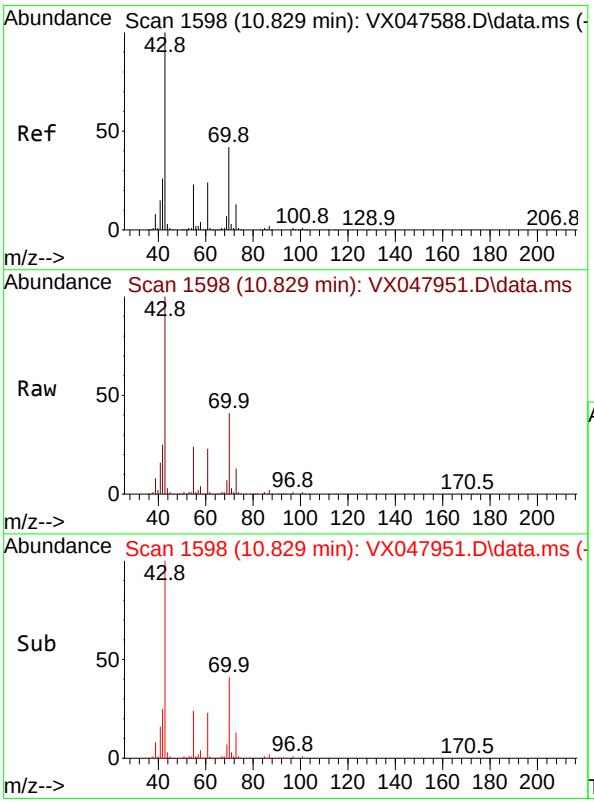
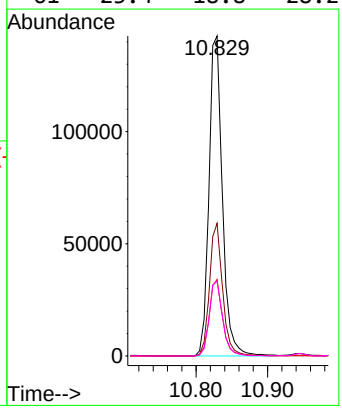
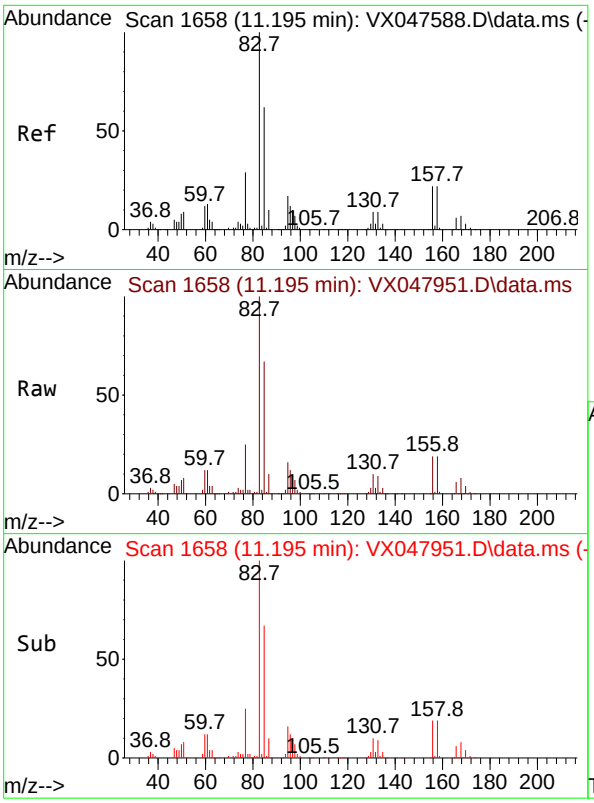


#74
N-amyl acetate
Concen: 51.599 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 186045

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.0	48.0
55	23.8	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.684 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 83 Resp: 12842

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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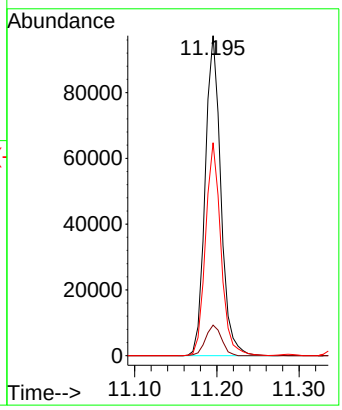
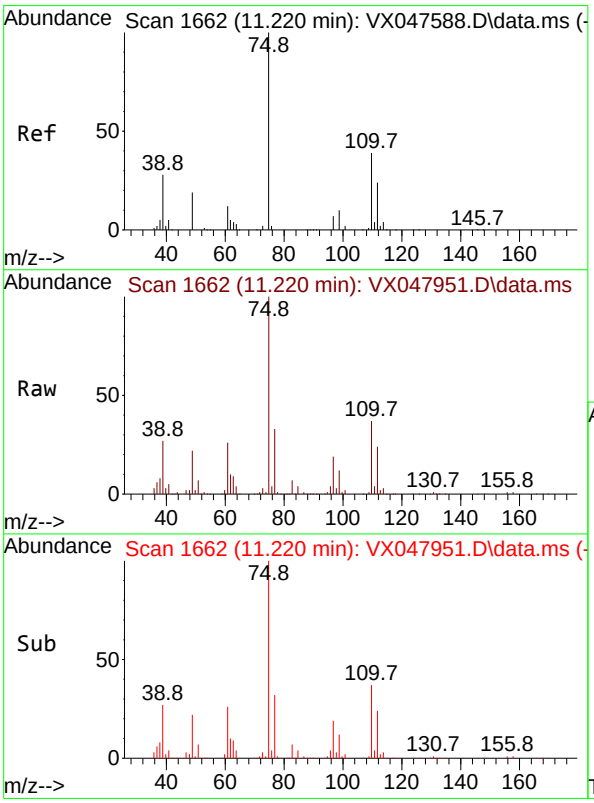
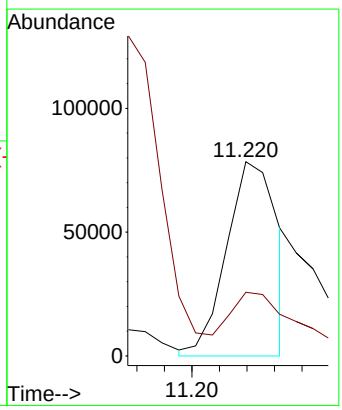


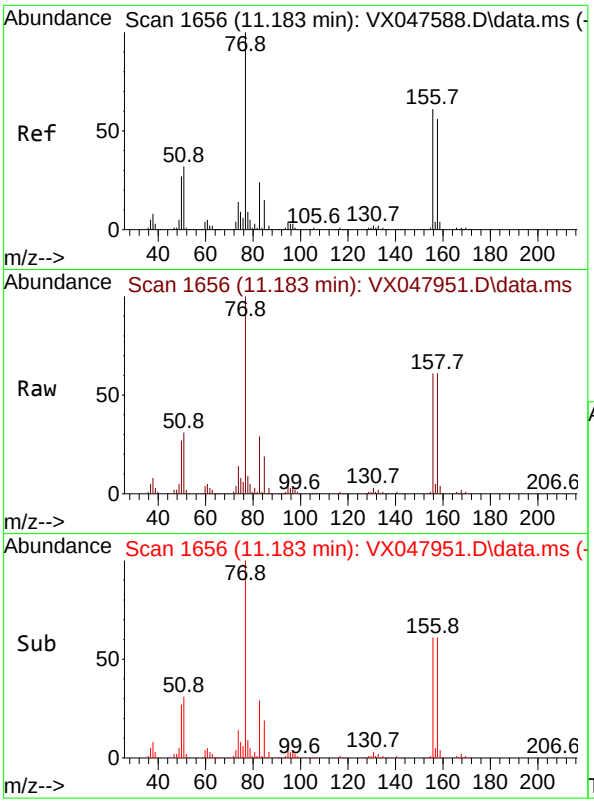


#76
1,2,3-Trichloropropane
Concen: 47.606 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 100244

Ion	Ratio	Lower	Upper
75	100		
77	43.4	18.8	56.4





#77
Bromobenzene
Concen: 50.034 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:156 Resp: 9743

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.4	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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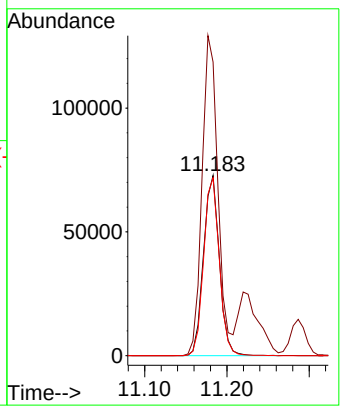
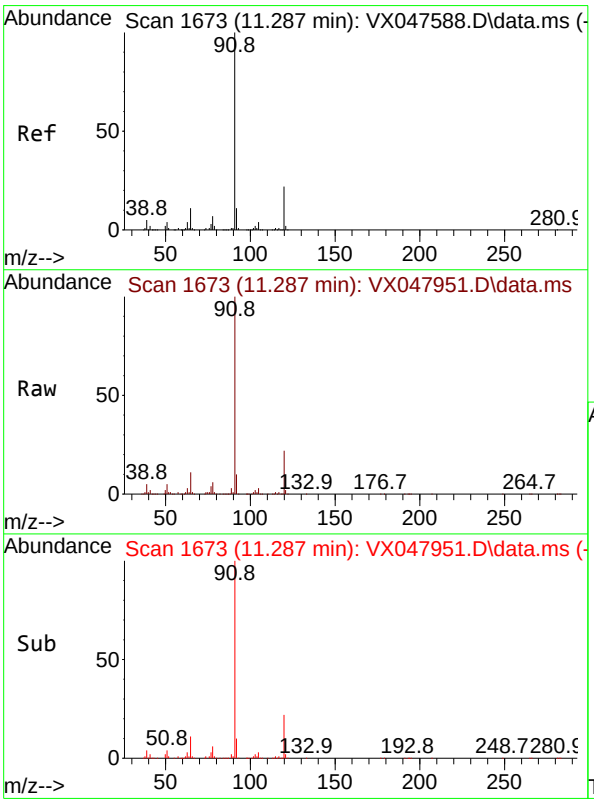
Supervised By :Mahesh Dadoda 10/03/2025

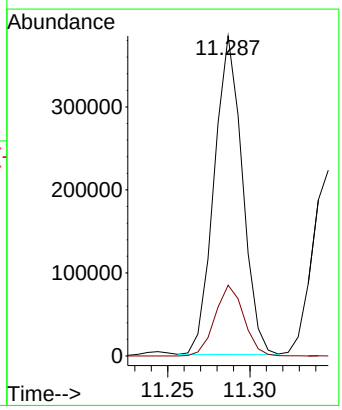


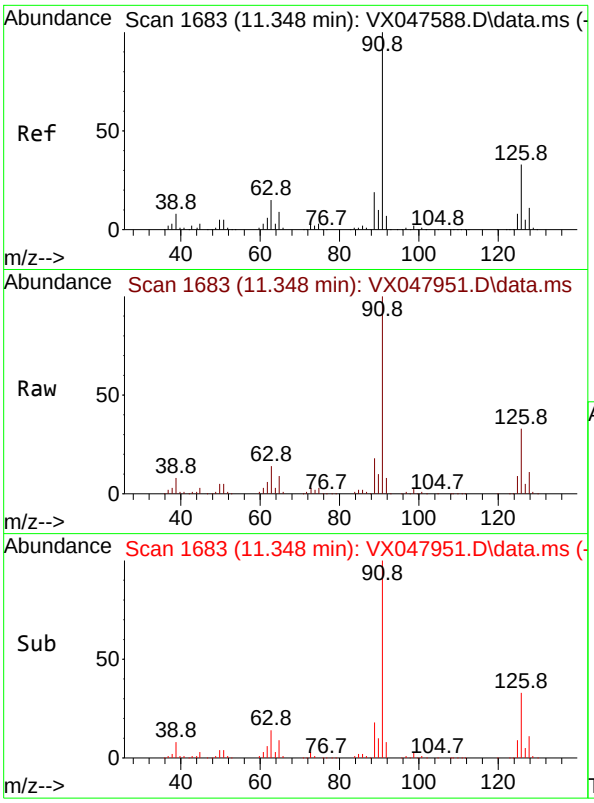


#78
n-propylbenzene
Concen: 48.965 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 457669

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.411 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 28286

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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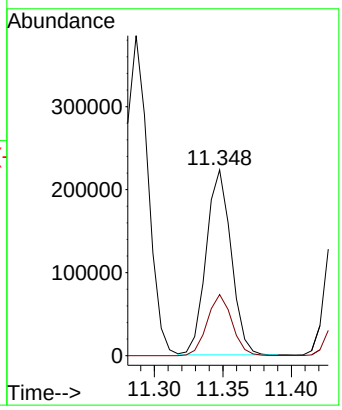
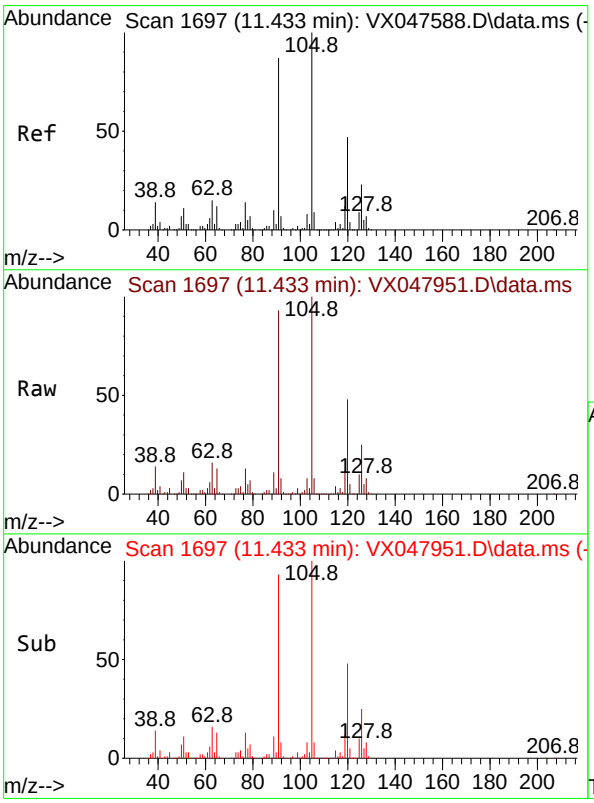
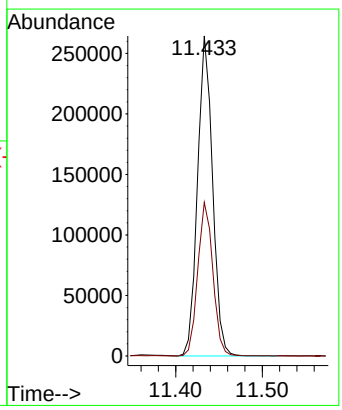


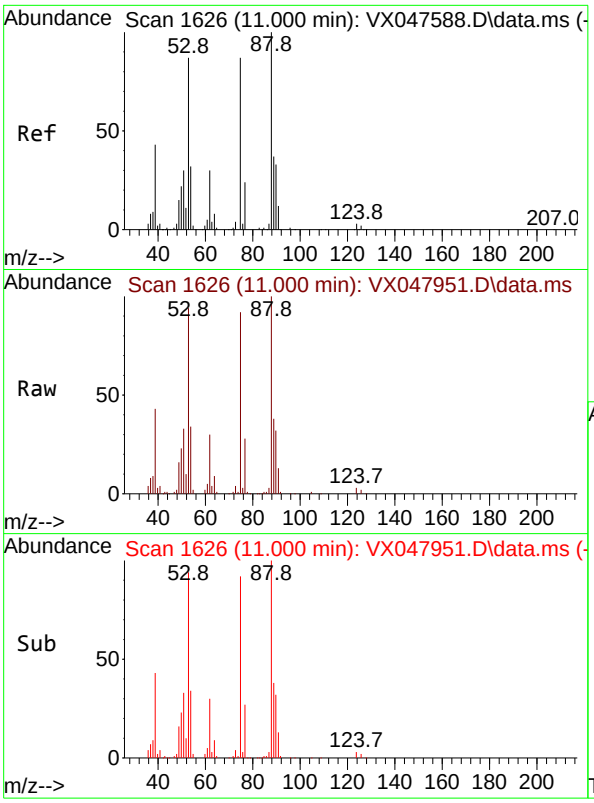


#80
1,3,5-Trimethylbenzene
Concen: 49.089 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:105 Resp: 318890

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.6	70.8

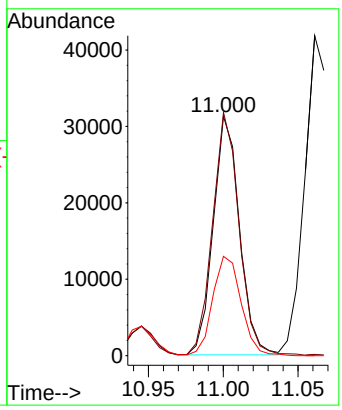




#81
trans-1,4-Dichloro-2-butene
Concen: 46.236 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 3817

Ion	Ratio	Lower	Upper
75	100		
53	103.7	83.4	125.2
89	45.1	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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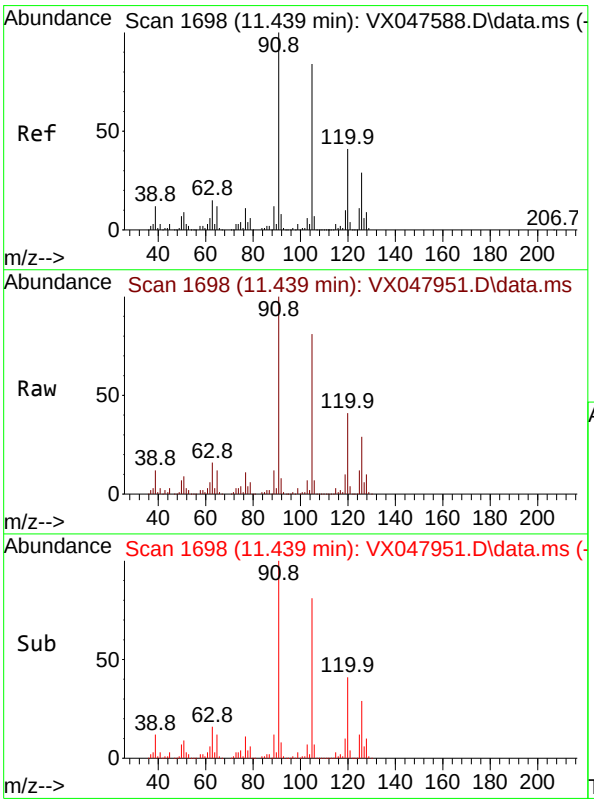
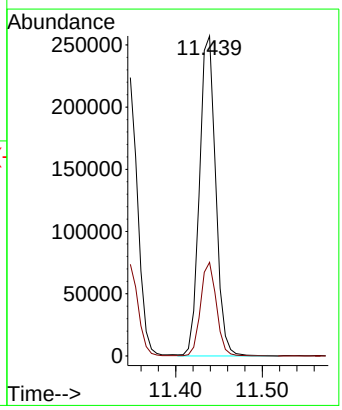
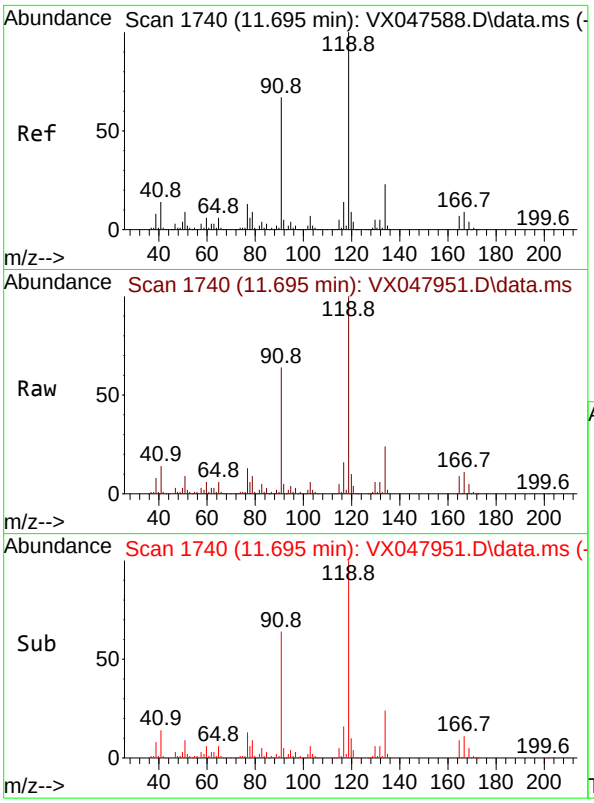


#82
4-Chlorotoluene
Concen: 49.470 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 334477

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

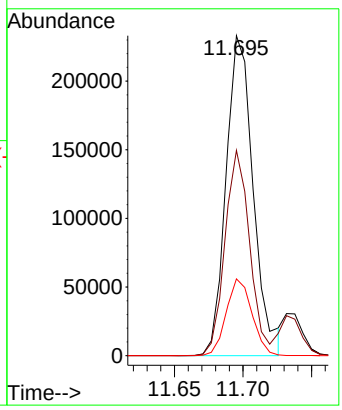




#83
tert-Butylbenzene
Concen: 48.394 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:119 Resp: 32181

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
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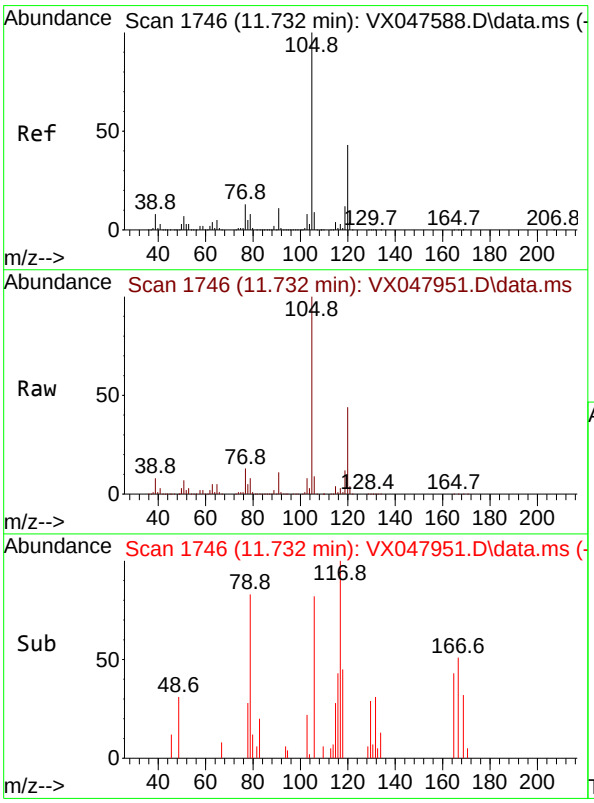
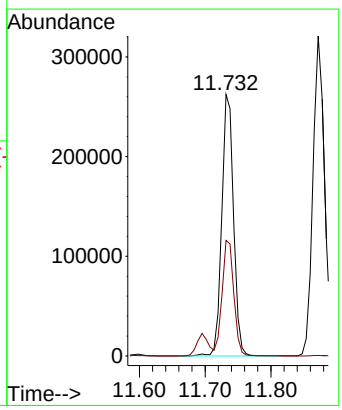
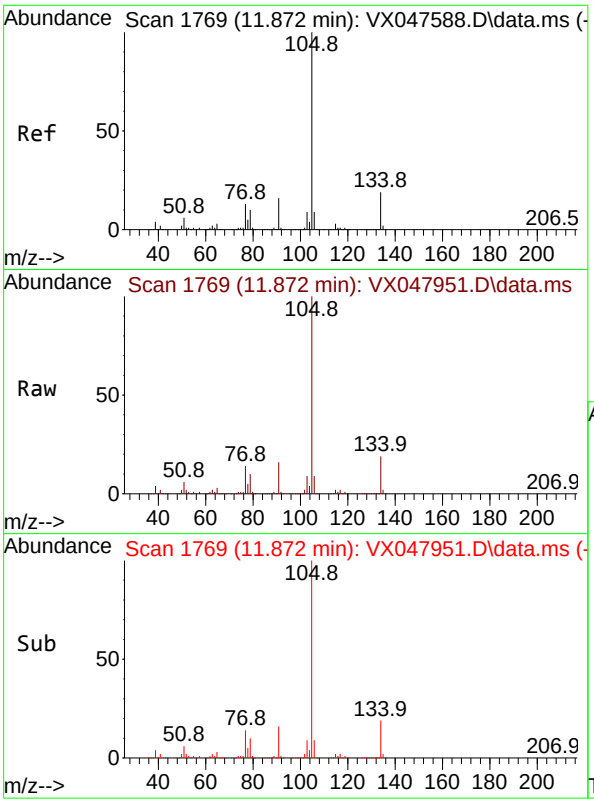


#84
1,2,4-Trimethylbenzene
Concen: 49.580 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:105 Resp: 326533

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1

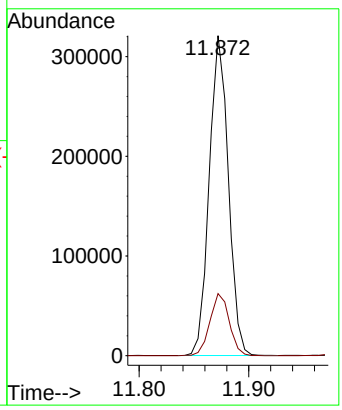




#85
sec-Butylbenzene
Concen: 49.209 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:105 Resp: 38869

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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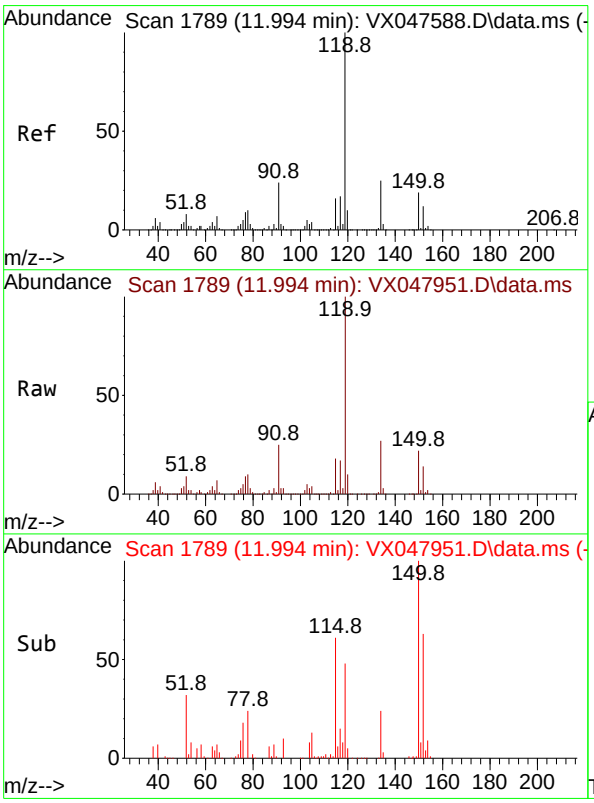
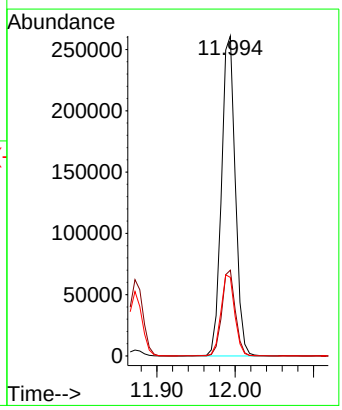
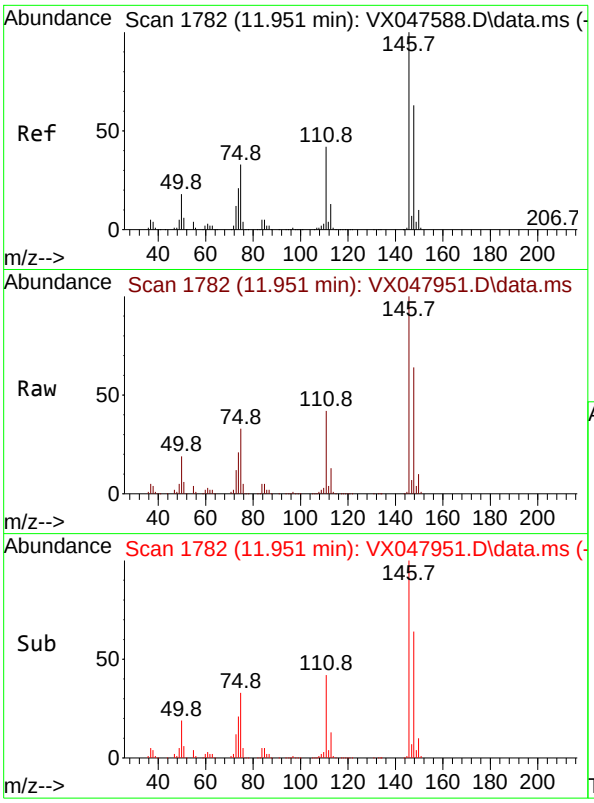


#86
p-Isopropyltoluene
Concen: 47.994 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:119 Resp: 320945

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.5	12.6	37.6

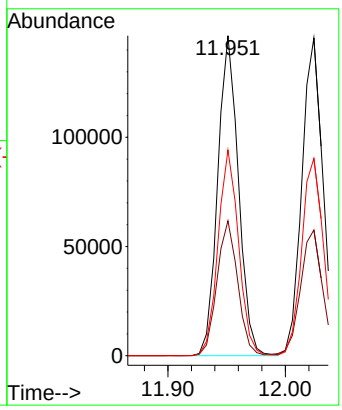




#87
1,3-Dichlorobenzene
Concen: 49.654 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:146 Resp: 17960

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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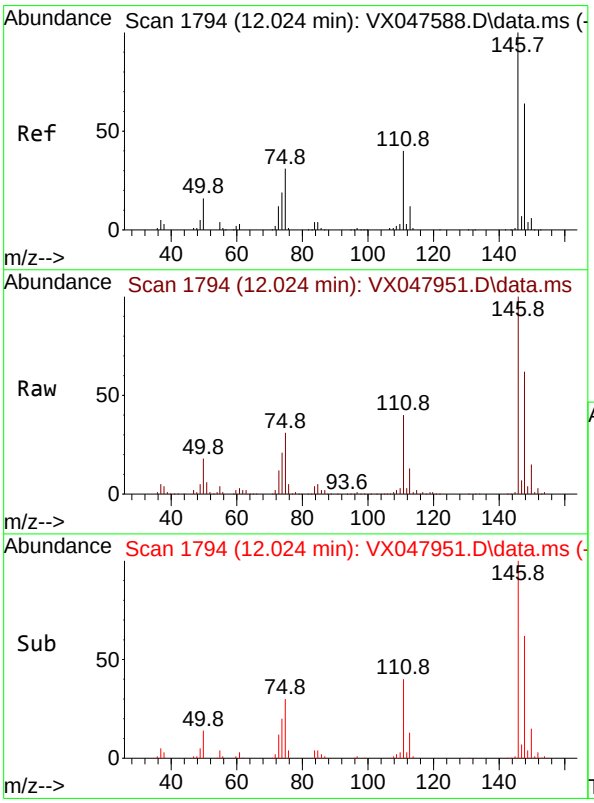
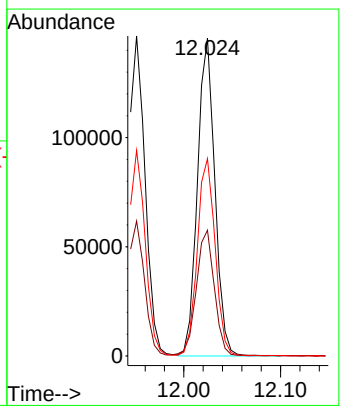
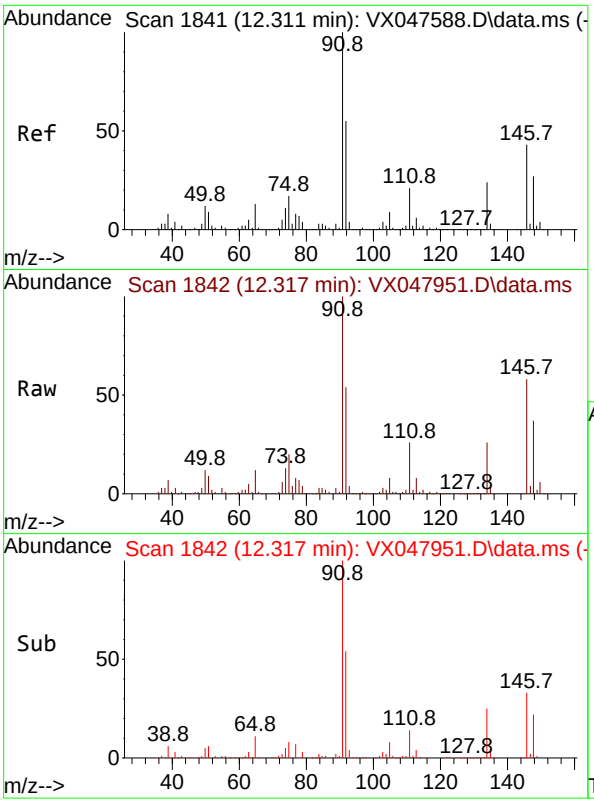


#88
1,4-Dichlorobenzene
Concen: 49.206 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:146 Resp: 182671

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	63.4	31.7	95.1

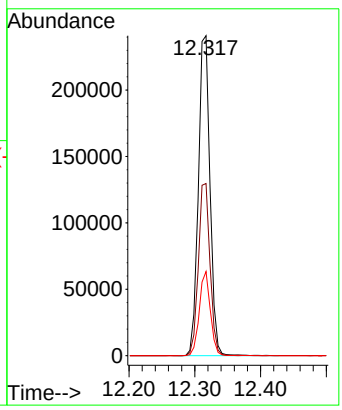




#89
n-Butylbenzene
Concen: 47.831 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 29596

Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.6	82.7
134	24.9	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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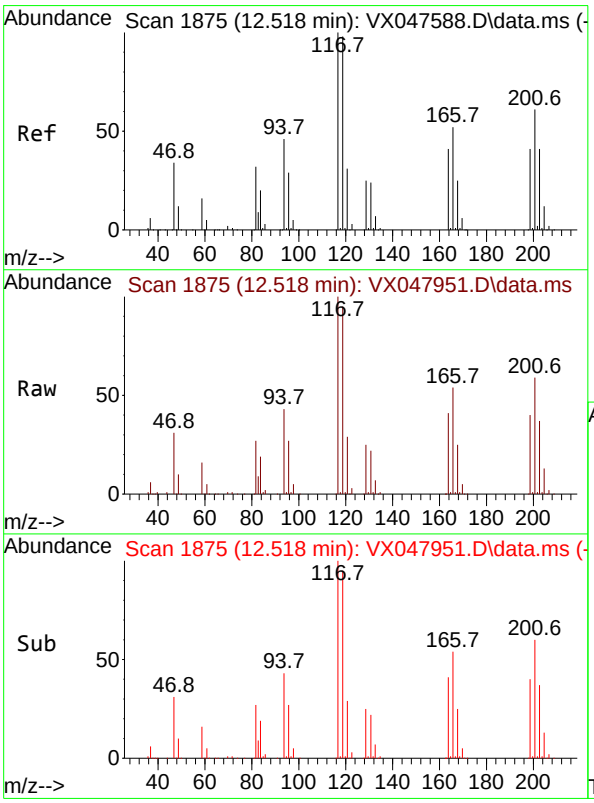
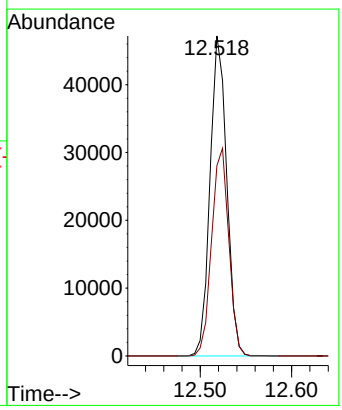
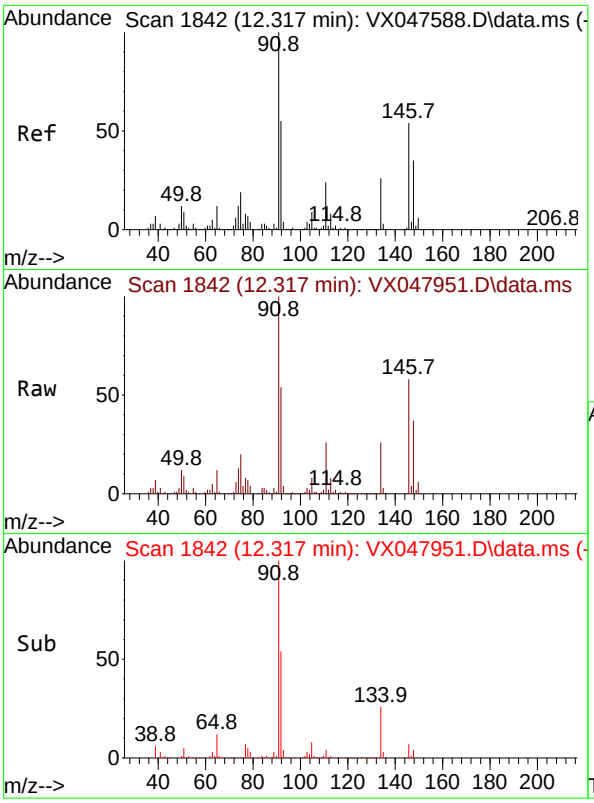


#90
Hexachloroethane
Concen: 50.871 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:117 Resp: 59726

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.2	102.5





#91
1,2-Dichlorobenzene
Concen: 50.519 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:146 Resp: 17409

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.6	31.8	95.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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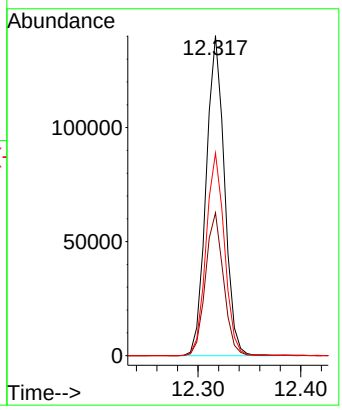
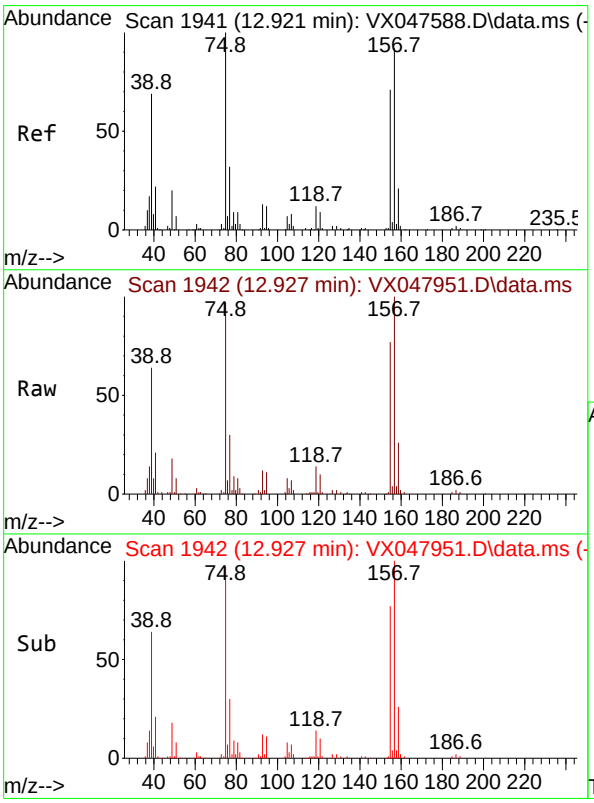
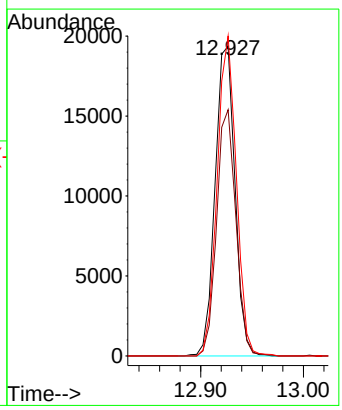


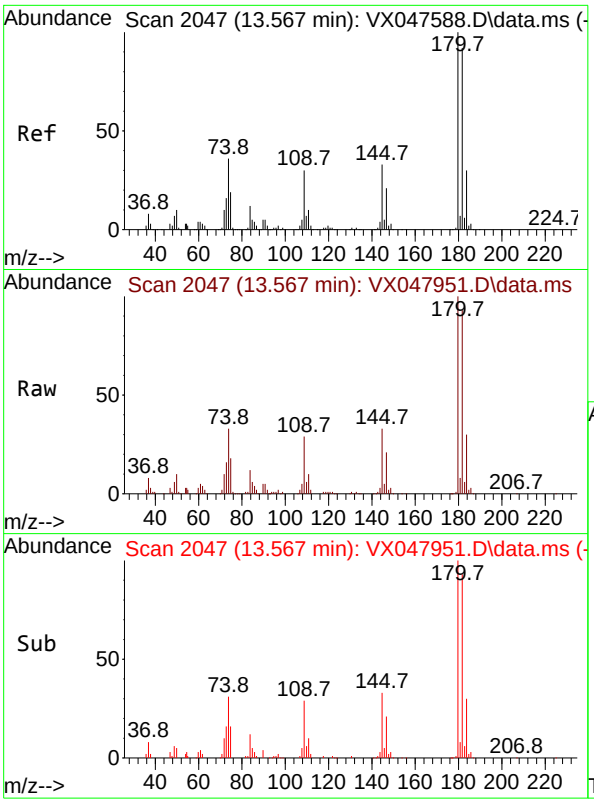


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.410 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 25868

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	99.9	49.8	149.4

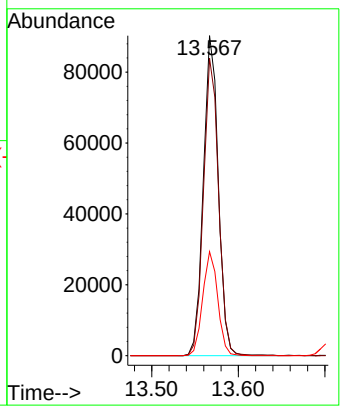




#93
1,2,4-Trichlorobenzene
Concen: 48.379 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:180 Resp: 10835

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.6	139.8
145	32.6	16.4	49.1



Instrument :
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ClientSampleId :
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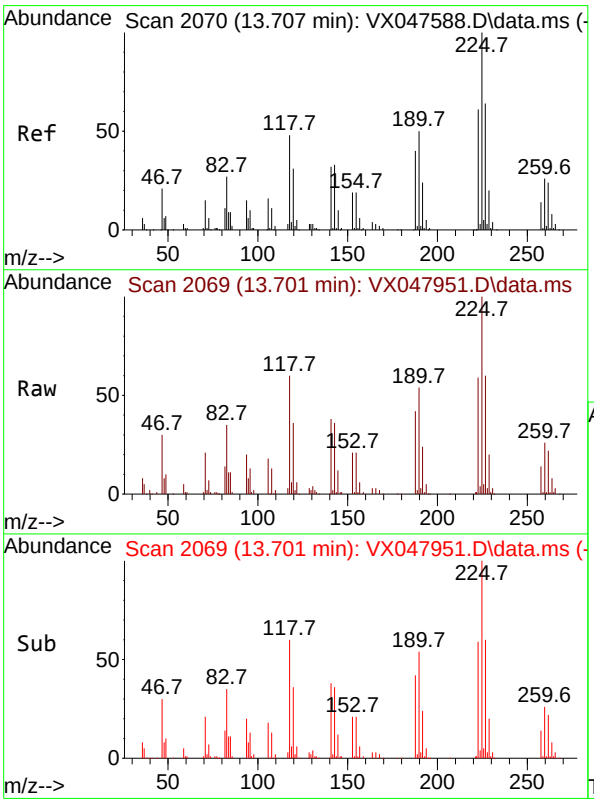
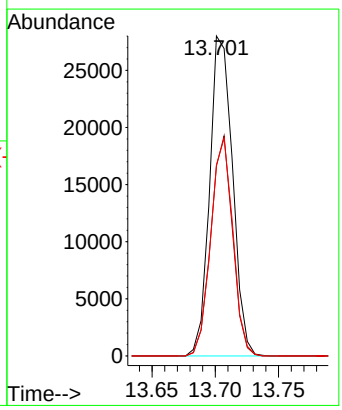
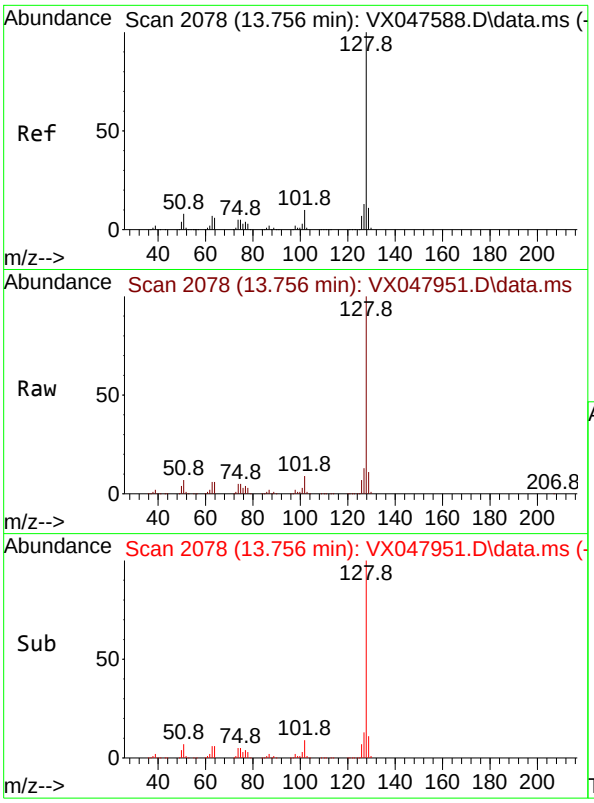


#94
Hexachlorobutadiene
Concen: 46.344 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:225 Resp: 35255

Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.7	95.1
227	65.7	32.0	96.0

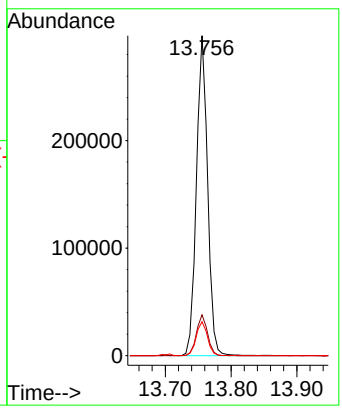




#95
Naphthalene
Concen: 51.534 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:128 Resp: 35145

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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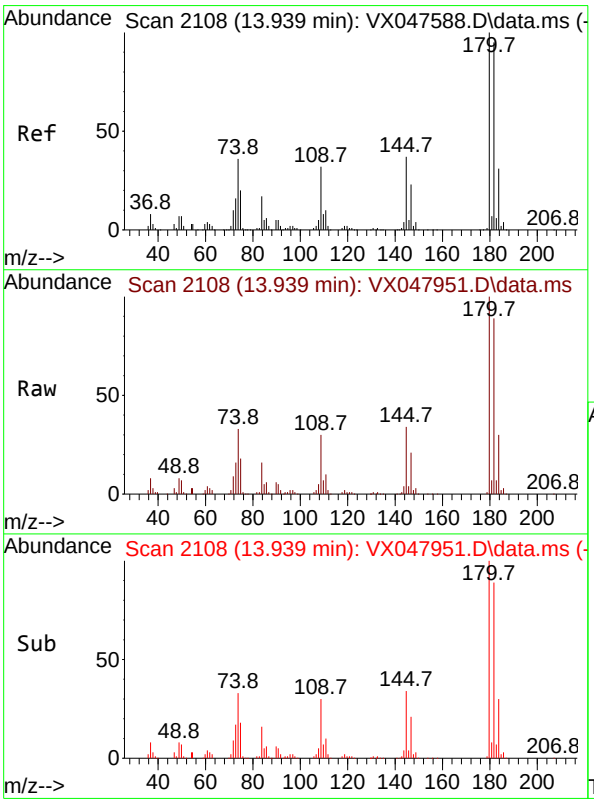
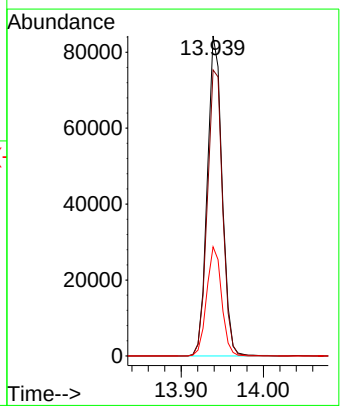


#96
1,2,3-Trichlorobenzene
Concen: 50.606 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:180 Resp: 105429

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.6	142.8
145	34.3	17.9	53.7



Sample Results: **VX047951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.518	0.539	-4.1	77	0.00
3	P	Chloromethane	0.680	0.649	4.6	71	0.00
4	C	Vinyl Chloride	0.666	0.684	-2.7#	74	0.00
5	T	Bromomethane	0.422	0.457	-8.3	77	0.00
6	T	Chloroethane	0.445	0.445	0.0	72	0.00
7	T	Trichlorofluoromethane	0.989	1.030	-4.1	74	0.00
8	T	Diethyl Ether	0.405	0.427	-5.4	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.593	-2.6	73	0.00
10	T	Methyl Iodide	0.902	0.850	5.8	67	0.00
11	T	Tert butyl alcohol	0.089	0.088	1.1	71	0.00
12	CM	1,1-Dichloroethene	0.594	0.609	-2.5#	73	0.00
13	T	Acrolein	0.082	0.076	7.3	67	0.00
14	T	Allyl chloride	1.226	1.185	3.3	70	0.00
15	T	Acrylonitrile	0.328	0.382	-16.5	79	0.00
16	T	Acetone	0.346	0.303	12.4	69	0.00
17	T	Carbon Disulfide	1.626	1.536	5.5	71	0.00
18	T	Methyl Acetate	0.770	0.941	-22.2	77	0.00
19	T	Methyl tert-butyl Ether	2.169	2.345	-8.1	75	0.00
20	T	Methylene Chloride	0.732	0.777	-6.1	77	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.652	-1.9	72	0.00
22	T	Diisopropyl ether	2.376	2.563	-7.9	74	0.00
23	T	Vinyl Acetate	1.901	2.091	-10.0	75	0.00
24	P	1,1-Dichloroethane	1.263	1.347	-6.7	75	0.00
25	T	2-Butanone	0.432	0.460	-6.5	75	0.00
26	T	2,2-Dichloropropane	1.050	0.867	17.4	58	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.826	-5.5	73	0.00
28	T	Bromochloromethane	0.551	0.608	-10.3	76	0.00
29	T	Tetrahydrofuran	0.260	0.293	-12.7	76	0.00
30	C	Chloroform	1.276	1.393	-9.2#	76	0.00
31	T	Cyclohexane	1.052	1.005	4.5	70	0.00
32	T	1,1,1-Trichloroethane	1.082	1.152	-6.5	74	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.811	-1.9	76	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	74	0.00
35	S	Dibromofluoromethane	0.335	0.345	-3.0	77	0.00
36	T	1,1-Dichloropropene	0.490	0.470	4.1	71	0.00
37	T	Ethyl Acetate	0.525	0.549	-4.6	76	0.00
38	T	Carbon Tetrachloride	0.532	0.534	-0.4	73	0.00
39	T	Methylcyclohexane	0.556	0.518	6.8	68	0.00
40	TM	Benzene	1.488	1.544	-3.8	75	0.00
41	T	Methacrylonitrile	0.271	0.311	-14.8	80	0.00
42	TM	1,2-Dichloroethane	0.566	0.593	-4.8	75	0.00
43	T	Isopropyl Acetate	0.860	0.924	-7.4	76	0.00
44	TM	Trichloroethene	0.360	0.368	-2.2	73	0.00
45	C	1,2-Dichloropropane	0.381	0.409	-7.3#	76	0.00
46	T	Dibromomethane	0.277	0.298	-7.6	77	0.00
47	T	Bromodichloromethane	0.572	0.626	-9.4	76	0.00
48	T	Methyl methacrylate	0.429	0.466	-8.6	77	0.00

Sample Results: **VX047951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	82	0.00
50	S	Toluene-d8	1.160	1.175	-1.3	76	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.553	-15.9	80	0.00
52	CM	Toluene	0.917	0.958	-4.5#	75	0.00
53	T	t-1,3-Dichloropropene	0.584	0.607	-3.9	72	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.641	-2.7	72	0.00
55	T	1,1,2-Trichloroethane	0.354	0.398	-12.4	80	0.00
56	T	Ethyl methacrylate	0.555	0.618	-11.4	76	0.00
57	T	1,3-Dichloropropane	0.607	0.682	-12.4	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.308	-35.7#	84	0.00
59	T	2-Hexanone	0.343	0.384	-12.0	79	0.00
60	T	Dibromochloromethane	0.407	0.460	-13.0	78	0.00
61	T	1,2-Dibromoethane	0.360	0.408	-13.3	79	0.00
62	S	4-Bromofluorobenzene	0.440	0.454	-3.2	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64	T	Tetrachloroethene	0.326	0.326	0.0	77	0.00
65	PM	Chlorobenzene	1.136	1.164	-2.5	76	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.418	-6.6	78	0.00
67	C	Ethyl Benzene	1.960	1.982	-1.1#	75	0.00
68	T	m/p-Xylenes	0.729	0.748	-2.6	76	0.00
69	T	o-Xylene	0.706	0.731	-3.5	75	0.00
70	T	Styrene	1.236	1.298	-5.0	77	0.00
71	P	Bromoform	0.293	0.324	-10.6	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73	T	Isopropylbenzene	3.801	3.731	1.8	75	0.00
74	T	N-amyl acetate	1.733	1.789	-3.2	78	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.235	-7.4	82	0.00
76	T	1,2,3-Trichloropropane	1.012	0.964	4.7	70	0.00
77	T	Bromobenzene	0.936	0.937	-0.1	77	0.00
78	T	n-propylbenzene	4.494	4.401	2.1	75	0.00
79	T	2-Chlorotoluene	2.752	2.720	1.2	76	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.066	1.8	75	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.367	7.6	72	0.00
82	T	4-Chlorotoluene	3.251	3.216	1.1	76	0.00
83	T	tert-Butylbenzene	3.197	3.094	3.2	75	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.140	0.8	76	0.00
85	T	sec-Butylbenzene	3.797	3.737	1.6	76	0.00
86	T	p-Isopropyltoluene	3.215	3.086	4.0	73	0.00
87	T	1,3-Dichlorobenzene	1.739	1.727	0.7	77	0.00
88	T	1,4-Dichlorobenzene	1.785	1.756	1.6	78	0.00
89	T	n-Butylbenzene	2.975	2.846	4.3	74	0.00
90	T	Hexachloroethane	0.564	0.574	-1.8	79	0.00
91	T	1,2-Dichlorobenzene	1.657	1.674	-1.0	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.249	-6.9	80	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.042	3.2	73	0.00
94	T	Hexachlorobutadiene	0.366	0.339	7.4	72	0.00
95	T	Naphthalene	3.279	3.379	-3.0	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.014	-1.2	76	0.00

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

Sample Results: **VX047951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	52.065	-4.1	77	0.00
3	P	Chloromethane	50.000	47.722	4.6	71	0.00
4	C	Vinyl Chloride	50.000	51.308	-2.6#	74	0.00
5	T	Bromomethane	50.000	54.086	-8.2	77	0.00
6	T	Chloroethane	50.000	49.959	0.1	72	0.00
7	T	Trichlorofluoromethane	50.000	52.047	-4.1	74	0.00
8	T	Diethyl Ether	50.000	52.786	-5.6	75	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.269	-2.5	73	0.00
10	T	Methyl Iodide	50.000	47.145	5.7	67	0.00
11	T	Tert butyl alcohol	250.000	248.358	0.7	71	0.00
12	CM	1,1-Dichloroethene	50.000	51.279	-2.6#	73	0.00
13	T	Acrolein	250.000	231.598	7.4	67	0.00
14	T	Allyl chloride	50.000	48.351	3.3	70	0.00
15	T	Acrylonitrile	250.000	290.630	-16.3	79	0.00
16	T	Acetone	250.000	219.192	12.3	69	0.00
17	T	Carbon Disulfide	50.000	47.212	5.6	71	0.00
18	T	Methyl Acetate	50.000	61.090	-22.2	77	0.00
19	T	Methyl tert-butyl Ether	50.000	54.065	-8.1	75	0.00
20	T	Methylene Chloride	50.000	53.050	-6.1	77	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.973	-1.9	72	0.00
22	T	Diisopropyl ether	50.000	53.938	-7.9	74	0.00
23	T	Vinyl Acetate	250.000	274.971	-10.0	75	0.00
24	P	1,1-Dichloroethane	50.000	53.346	-6.7	75	0.00
25	T	2-Butanone	250.000	266.444	-6.6	75	0.00
26	T	2,2-Dichloropropane	50.000	41.278	17.4	58	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.700	-5.4	73	0.00
28	T	Bromochloromethane	50.000	55.184	-10.4	76	0.00
29	T	Tetrahydrofuran	250.000	281.897	-12.8	76	0.00
30	C	Chloroform	50.000	54.571	-9.1#	76	0.00
31	T	Cyclohexane	50.000	47.784	4.4	70	0.00
32	T	1,1,1-Trichloroethane	50.000	53.226	-6.5	74	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.937	-1.9	76	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	74	0.00
35	S	Dibromofluoromethane	50.000	51.506	-3.0	77	0.00
36	T	1,1-Dichloropropene	50.000	48.001	4.0	71	0.00
37	T	Ethyl Acetate	50.000	52.317	-4.6	76	0.00
38	T	Carbon Tetrachloride	50.000	50.149	-0.3	73	0.00
39	T	Methylcyclohexane	50.000	46.536	6.9	68	0.00
40	TM	Benzene	50.000	51.880	-3.8	75	0.00
41	T	Methacrylonitrile	50.000	57.354	-14.7	80	0.00
42	TM	1,2-Dichloroethane	50.000	52.376	-4.8	75	0.00
43	T	Isopropyl Acetate	50.000	53.699	-7.4	76	0.00
44	TM	Trichloroethene	50.000	51.102	-2.2	73	0.00
45	C	1,2-Dichloropropane	50.000	53.711	-7.4#	76	0.00
46	T	Dibromomethane	50.000	53.786	-7.6	77	0.00
47	T	Bromodichloromethane	50.000	54.690	-9.4	76	0.00
48	T	Methyl methacrylate	50.000	54.395	-8.8	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1233.522	-23.4	82	0.00
50	S	Toluene-d8	50.000	50.632	-1.3	76	0.00
51	T	4-Methyl-2-Pentanone	250.000	290.007	-16.0	80	0.00
52	CM	Toluene	50.000	52.243	-4.5#	75	0.00
53	T	t-1,3-Dichloropropene	50.000	51.999	-4.0	72	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.366	-2.7	72	0.00
55	T	1,1,2-Trichloroethane	50.000	56.354	-12.7	80	0.00
56	T	Ethyl methacrylate	50.000	55.650	-11.3	76	0.00
57	T	1,3-Dichloropropane	50.000	56.148	-12.3	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	287.656	-15.1	84	0.00
59	T	2-Hexanone	250.000	280.325	-12.1	79	0.00
60	T	Dibromochloromethane	50.000	56.483	-13.0	78	0.00
61	T	1,2-Dibromoethane	50.000	56.608	-13.2	79	0.00
62	S	4-Bromofluorobenzene	50.000	51.557	-3.1	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64	T	Tetrachloroethene	50.000	50.076	-0.2	77	0.00
65	PM	Chlorobenzene	50.000	51.241	-2.5	76	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.346	-6.7	78	0.00
67	C	Ethyl Benzene	50.000	50.575	-1.2#	75	0.00
68	T	m/p-Xylenes	100.000	102.520	-2.5	76	0.00
69	T	o-Xylene	50.000	51.807	-3.6	75	0.00
70	T	Styrene	50.000	52.490	-5.0	77	0.00
71	P	Bromoform	50.000	55.387	-10.8	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73	T	Isopropylbenzene	50.000	49.069	1.9	75	0.00
74	T	N-amyl acetate	50.000	51.599	-3.2	78	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.684	-7.4	82	0.00
76	T	1,2,3-Trichloropropane	50.000	47.606	4.8	70	0.00
77	T	Bromobenzene	50.000	50.034	-0.1	77	0.00
78	T	n-propylbenzene	50.000	48.965	2.1	75	0.00
79	T	2-Chlorotoluene	50.000	49.411	1.2	76	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.089	1.8	75	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.236	7.5	72	0.00
82	T	4-Chlorotoluene	50.000	49.470	1.1	76	0.00
83	T	tert-Butylbenzene	50.000	48.394	3.2	75	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.580	0.8	76	0.00
85	T	sec-Butylbenzene	50.000	49.209	1.6	76	0.00
86	T	p-Isopropyltoluene	50.000	47.994	4.0	73	0.00
87	T	1,3-Dichlorobenzene	50.000	49.654	0.7	77	0.00
88	T	1,4-Dichlorobenzene	50.000	49.206	1.6	78	0.00
89	T	n-Butylbenzene	50.000	47.831	4.3	74	0.00
90	T	Hexachloroethane	50.000	50.871	-1.7	79	0.00
91	T	1,2-Dichlorobenzene	50.000	50.519	-1.0	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.410	-6.8	80	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.379	3.2	73	0.00
94	T	Hexachlorobutadiene	50.000	46.344	7.3	72	0.00
95	T	Naphthalene	50.000	51.534	-3.1	78	0.00

Sample Results: **VX047951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	50.606	-1.2	76	0.00

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

Raw Data: **VX047981.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO15
Lab Code: ACE
SDG No.: Q3193
Instrument ID: MSVOA_X
Calibration Date/Time: 10/03/2025 09:35
Lab File ID: VX047981.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.577		11.39	20
Chloromethane	0.680	0.659	0.1	-3.09	20
Vinyl Chloride	0.666	0.682		2.4	20
Bromomethane	0.422	0.467		10.66	20
Chloroethane	0.445	0.450		1.12	20
Trichlorofluoromethane	0.989	1.066		7.79	20
1,1,2-Trichlorotrifluoroethane	0.578	0.638		10.38	20
1,1-Dichloroethene	0.594	0.609		2.53	20
Acetone	0.346	0.321		-7.22	20
Carbon Disulfide	1.626	1.511		-7.07	20
Methyl tert-butyl Ether	2.169	2.219		2.31	20
Methyl Acetate	0.770	0.839		8.96	20
Methylene Chloride	0.732	0.762		4.1	20
trans-1,2-Dichloroethene	0.640	0.654		2.19	20
1,1-Dichloroethane	1.263	1.326	0.1	4.99	20
Cyclohexane	1.052	1.024		-2.66	20
2-Butanone	0.432	0.408		-5.56	20
Carbon Tetrachloride	0.532	0.565		6.2	20
cis-1,2-Dichloroethene	0.783	0.827		5.62	20
Bromochloromethane	0.551	0.591		7.26	20
Chloroform	1.276	1.385		8.54	20
1,1,1-Trichloroethane	1.082	1.140		5.36	20
Methylcyclohexane	0.556	0.571		2.7	20
Benzene	1.488	1.585		6.52	20
1,2-Dichloroethane	0.566	0.610		7.77	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.426		11.81	20
Bromodichloromethane	0.572	0.655		14.51	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.989		7.85	20
t-1,3-Dichloropropene	0.584	0.657		12.5	20
cis-1,3-Dichloropropene	0.624	0.698		11.86	20
1,1,2-Trichloroethane	0.354	0.398		12.43	20
2-Hexanone	0.343	0.334		-2.62	20
Dibromochloromethane	0.407	0.478		17.44	20
1,2-Dibromoethane	0.360	0.408		13.33	20
Tetrachloroethene	0.326	0.327		0.31	20
Chlorobenzene	1.136	1.205	0.3	6.07	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:	AECO15
Lab Code:	ACE	SDG No.:	Q3193
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/03/2025 09:35
Lab File ID:	VX047981.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.036		3.88	20
m/p-Xylenes	0.729	0.772		5.9	20
o-Xylene	0.706	0.741		4.96	20
Styrene	1.236	1.320		6.8	20
Bromoform	0.293	0.314	0.1	7.17	20
Isopropylbenzene	3.801	3.806		0.13	20
1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	-0.35	20
1,3-Dichlorobenzene	1.739	1.775		2.07	20
1,4-Dichlorobenzene	1.785	1.818		1.85	20
1,2-Dichlorobenzene	1.657	1.703		2.78	20
1,2-Dibromo-3-Chloropropane	0.233	0.211		-9.44	20
1,2,4-Trichlorobenzene	1.077	1.037		-3.71	20
1,2,3-Trichlorobenzene	1.002	0.991		-1.1	20
1,2-Dichloroethane-d4	0.796	0.797		0.13	20
Dibromofluoromethane	0.335	0.365		8.95	20
Toluene-d8	1.160	1.215		4.74	20
4-Bromofluorobenzene	0.440	0.468		6.36	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\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	131937	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	209083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105158	50.073	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.367	113	82541	54.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.980%			
50) Toluene-d8	8.628	98	274356	52.341	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.061	95	105643	53.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	76082	55.688	ug/l	95
3) Chloromethane	1.301	50	86998	48.451	ug/l	99
4) Vinyl Chloride	1.380	62	90039	51.226	ug/l	99
5) Bromomethane	1.611	94	61619	55.285	ug/l	94
6) Chloroethane	1.691	64	59369	50.536	ug/l	97
7) Trichlorofluoromethane	1.892	101	140608	53.876	ug/l	98
8) Diethyl Ether	2.136	74	55863	52.326	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84145	55.140	ug/l	99
10) Methyl Iodide	2.453	142	108465	45.574	ug/l	98
11) Tert butyl alcohol	2.940	59	49807	212.945	ug/l	99
12) 1,1-Dichloroethene	2.319	96	80415	51.300	ug/l	97
13) Acrolein	2.233	56	54512	252.910	ug/l	97
14) Allyl chloride	2.666	41	155815	48.170	ug/l	99
15) Acrylonitrile	3.050	53	220195	254.160	ug/l	100
16) Acetone	2.373	43	212026	232.196	ug/l	99
17) Carbon Disulfide	2.514	76	199354	46.455	ug/l	98
18) Methyl Acetate	2.697	43	110641	54.445	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	292796	51.168	ug/l	100
20) Methylene Chloride	2.788	84	100491	51.991	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86300	51.136	ug/l	99
22) Diisopropyl ether	3.745	45	337219	53.792	ug/l	89
23) Vinyl Acetate	3.709	43	1294922	258.092	ug/l	99
24) 1,1-Dichloroethane	3.599	63	174979	52.515	ug/l	100
25) 2-Butanone	4.532	43	269365	236.489	ug/l	99
26) 2,2-Dichloropropane	4.458	77	141274	51.006	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	109115	52.794	ug/l	98
28) Bromochloromethane	4.879	49	78038	53.648	ug/l	99
29) Tetrahydrofuran	4.977	42	161165	235.207	ug/l	99
30) Chloroform	5.074	83	182731	54.270	ug/l	96
31) Cyclohexane	5.452	56	135050	48.665	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	150394	52.659	ug/l	99
36) 1,1-Dichloropropene	5.678	75	112584	50.861	ug/l	99
37) Ethyl Acetate	4.696	43	114770	48.424	ug/l	98
38) Carbon Tetrachloride	5.660	117	127673	53.085	ug/l	94
39) Methylcyclohexane	7.360	83	129087	51.374	ug/l	98
40) Benzene	6.019	78	357908	53.235	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	65648	53.653	ug/l		97
42) 1,2-Dichloroethane	6.068	62	137806	53.871	ug/l		99
43) Isopropyl Acetate	6.318	43	191848	49.355	ug/l		99
44) Trichloroethene	7.104	130	86853	53.434	ug/l		97
45) 1,2-Dichloropropane	7.409	63	96150	55.851	ug/l		97
46) Dibromomethane	7.562	93	68555	54.722	ug/l		99
47) Bromodichloromethane	7.805	83	148015	57.255	ug/l		100
48) Methyl methacrylate	7.677	41	97016	50.106	ug/l		99
49) 1,4-Dioxane	7.641	88	21578	1102.746	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	542948	251.926	ug/l		99
52) Toluene	8.702	92	223395	53.932	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	148348	56.258	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	157563	55.904	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89860	56.261	ug/l		98
56) Ethyl methacrylate	9.098	69	133902	53.383	ug/l		98
57) 1,3-Dichloropropane	9.293	76	154753	56.403	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	353607	291.841	ug/l		100
59) 2-Hexanone	9.415	43	377604	243.952	ug/l		99
60) Dibromochloromethane	9.506	129	107882	58.621	ug/l		99
61) 1,2-Dibromoethane	9.592	107	92132	56.633	ug/l		98
64) Tetrachloroethene	9.256	164	68331	50.133	ug/l		97
65) Chlorobenzene	10.061	112	252022	53.058	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	91236	55.663	ug/l		100
67) Ethyl Benzene	10.177	91	425670	51.938	ug/l		100
68) m/p-Xylenes	10.281	106	322983	105.878	ug/l		98
69) o-Xylene	10.622	106	155012	52.537	ug/l		100
70) Styrene	10.640	104	275937	53.373	ug/l		98
71) Bromoform	10.781	173	65700	53.681	ug/l	#	99
73) Isopropylbenzene	10.945	105	401376	50.056	ug/l		99
74) N-amyl acetate	10.823	43	166829	45.625	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	120891	49.831	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	96759m	45.311	ug/l		
77) Bromobenzene	11.183	156	100047	50.659	ug/l		97
78) n-propylbenzene	11.287	91	475224	50.135	ug/l		99
79) 2-Chlorotoluene	11.348	91	288770	49.740	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	332856	50.525	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	38324	45.767	ug/l		98
82) 4-Chlorotoluene	11.433	91	344397	50.228	ug/l		99
83) tert-Butylbenzene	11.695	119	341046	50.571	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	336380	50.363	ug/l		100
85) sec-Butylbenzene	11.872	105	408921	51.049	ug/l		100
86) p-Isopropyltoluene	11.988	119	344044	50.732	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	187193	51.031	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	191722	50.924	ug/l		99
89) n-Butylbenzene	12.311	91	321357	51.212	ug/l		98
90) Hexachloroethane	12.518	117	63473	53.310	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179594	51.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22273	45.347	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	109403	48.169	ug/l		96
94) Hexachlorobutadiene	13.707	225	41607	53.932	ug/l		96
95) Naphthalene	13.756	128	325860	47.116	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	104550	49.485	ug/l		100

Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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

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

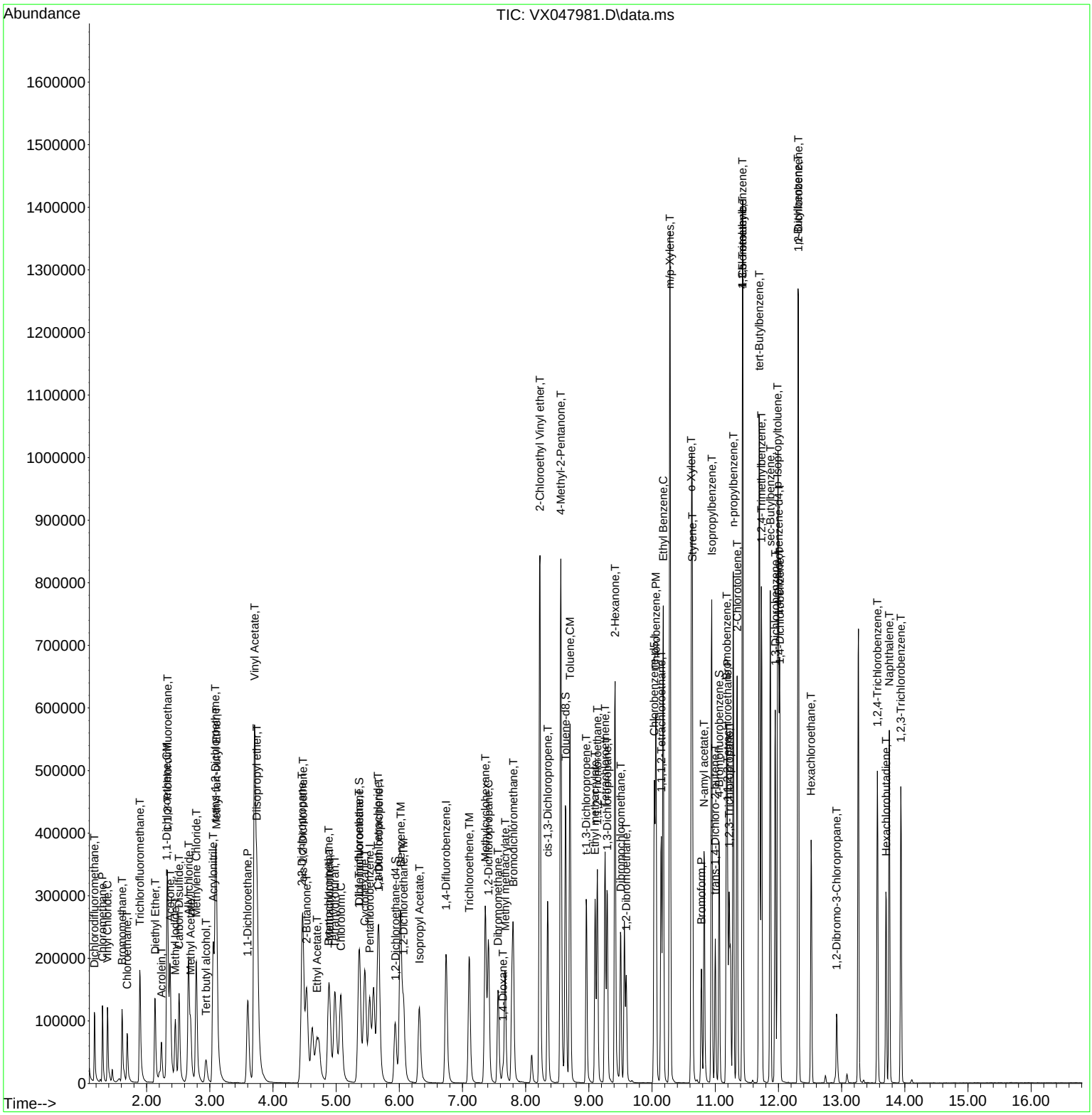
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

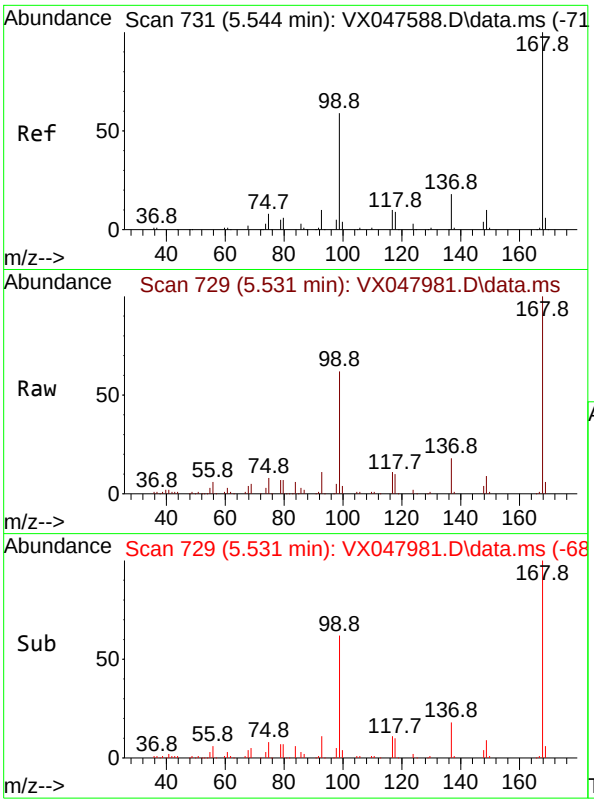
Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

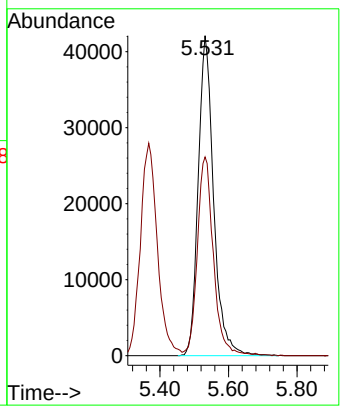




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:168 Resp: 13193

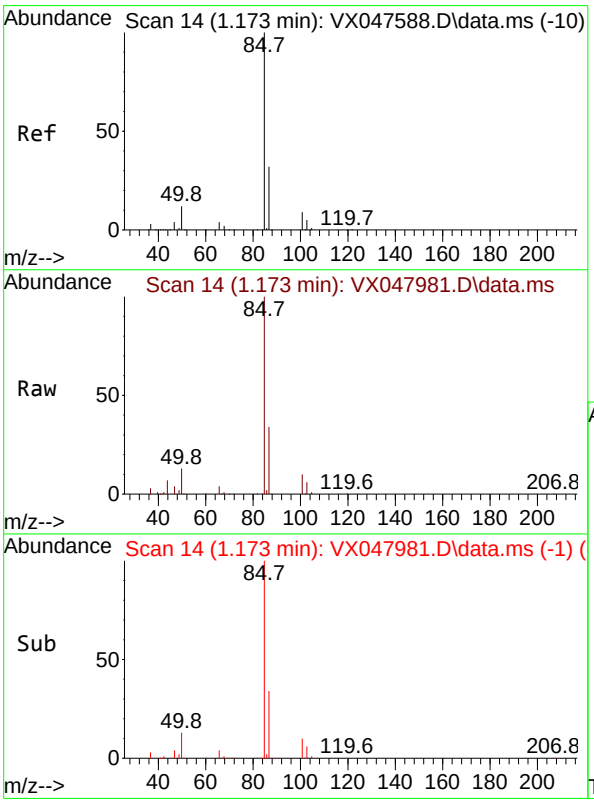
Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

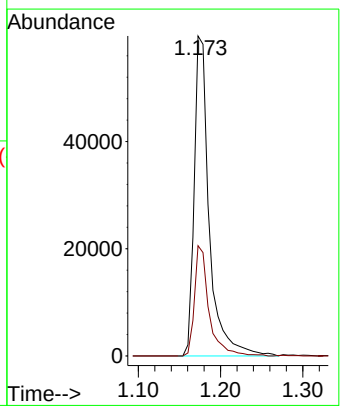
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

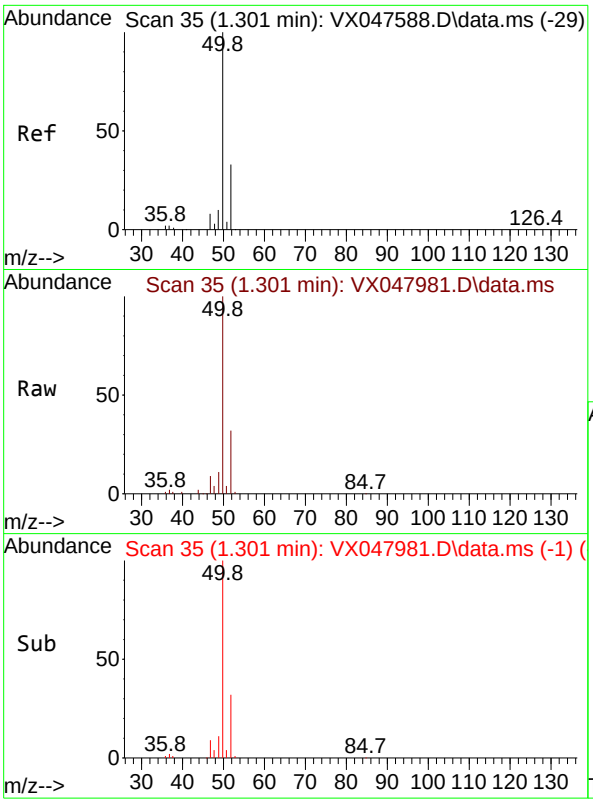


#2
Dichlorodifluoromethane
Concen: 55.688 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 85 Resp: 76082

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.8	47.3

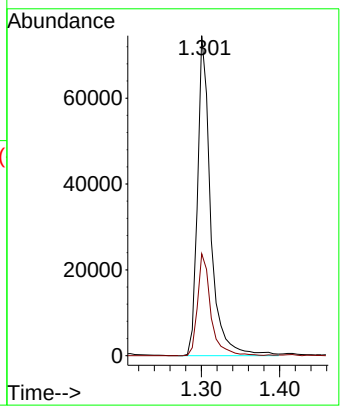




#3
Chloromethane
Concen: 48.451 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 50 Resp: 8699

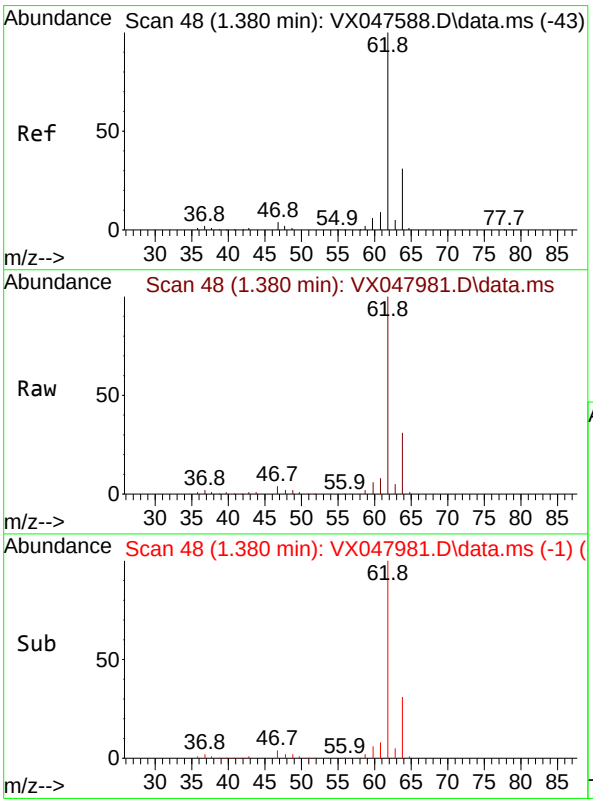
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

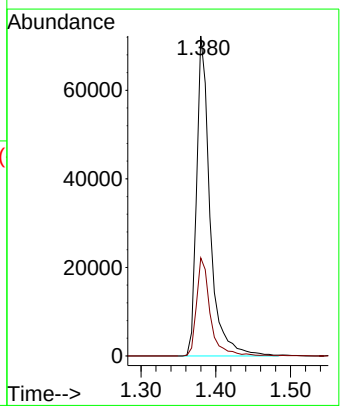
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

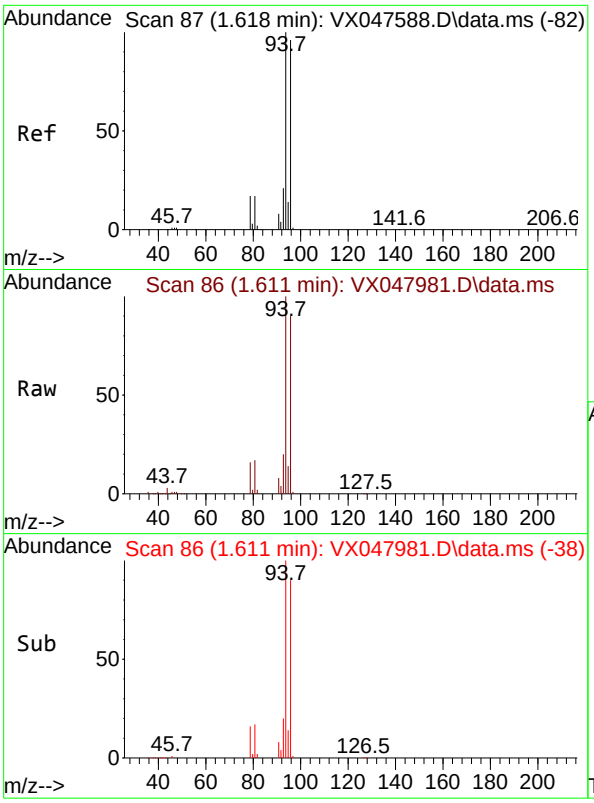


#4
Vinyl Chloride
Concen: 51.226 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 90039

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3

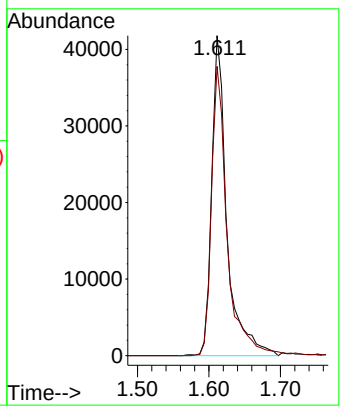




#5
Bromomethane
Concen: 55.285 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 94 Resp: 6161

Ion	Ratio	Lower	Upper
94	100		
96	90.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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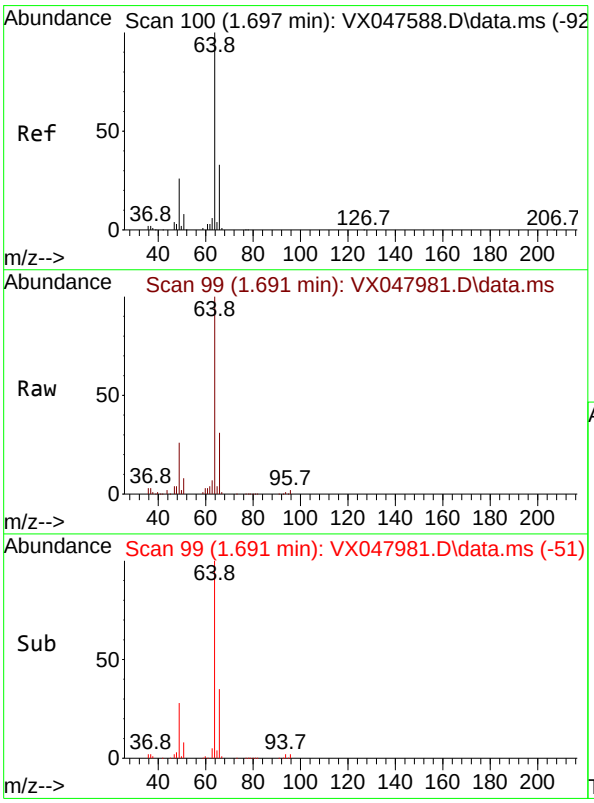
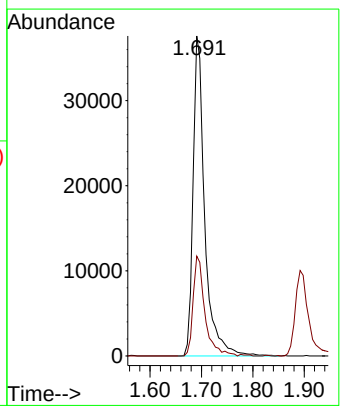
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

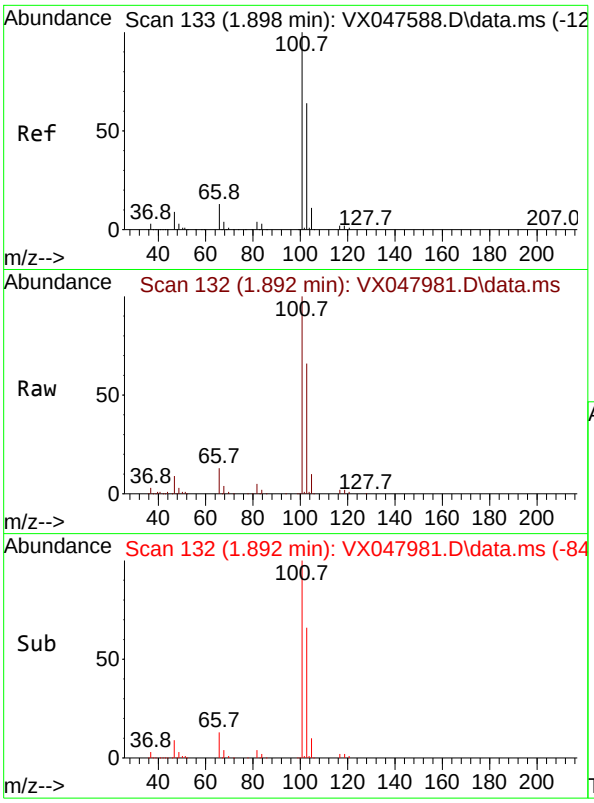


#6
Chloroethane
Concen: 50.536 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 64 Resp: 59369

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.1	39.1





#7
Trichlorofluoromethane
Concen: 53.876 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:101 Resp: 14060

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
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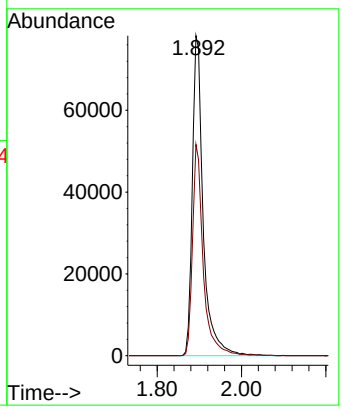
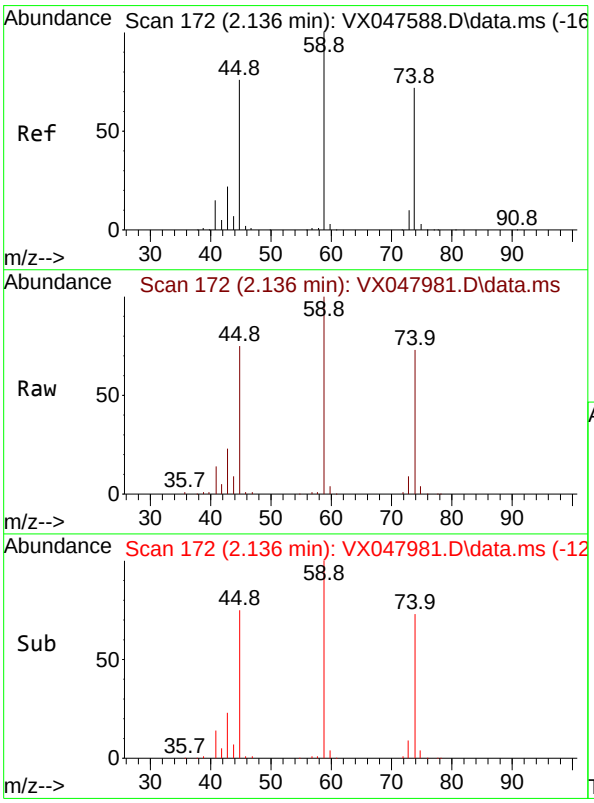
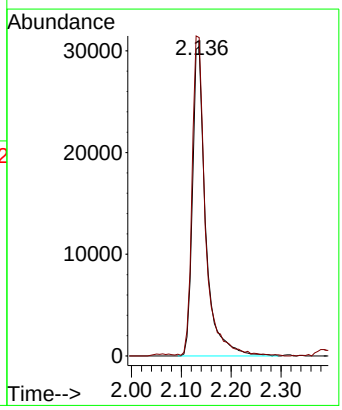


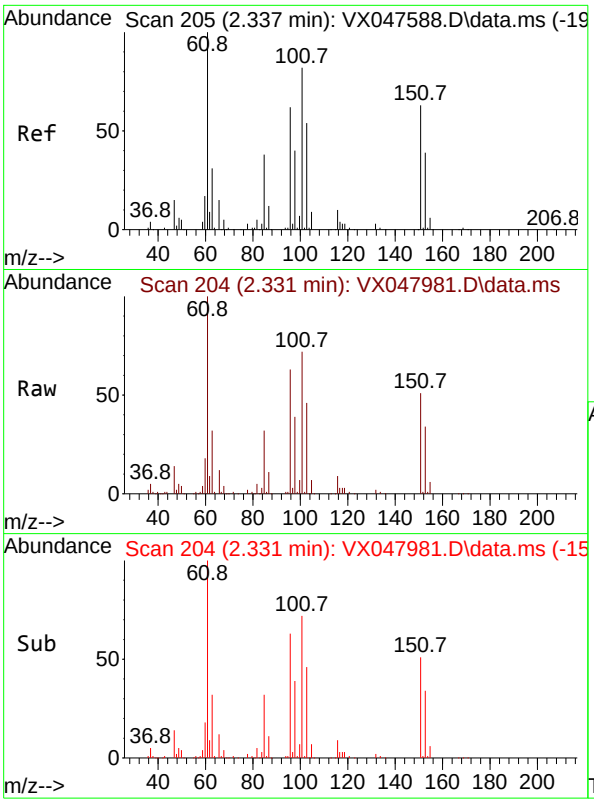


#8
Diethyl Ether
Concen: 52.326 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 74 Resp: 55863

Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.140 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:101 Resp: 8414

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	73.4	59.4	89.0

Instrument :
MSVOA_X
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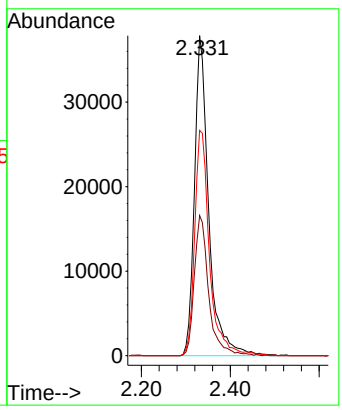
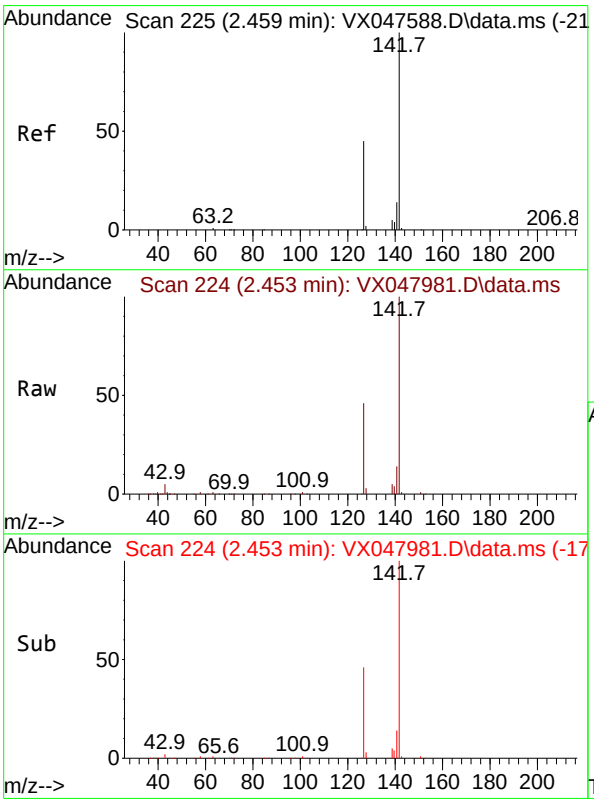
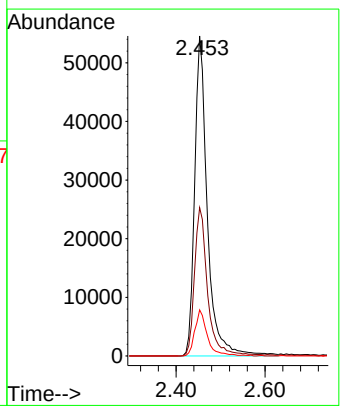


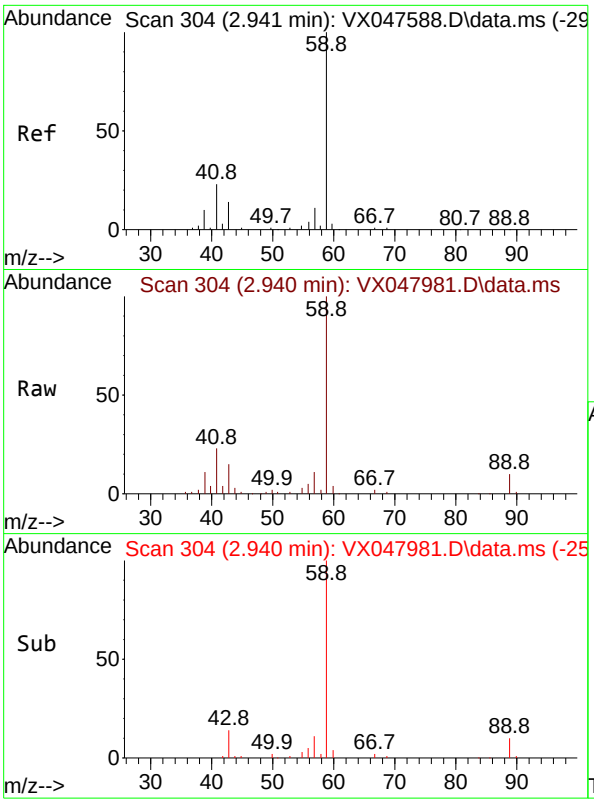


#10
Methyl Iodide
Concen: 45.574 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:142 Resp: 108465

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	14.0	11.4	17.0





#11
Tert butyl alcohol
Concen: 212.945 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 59 Resp: 4980

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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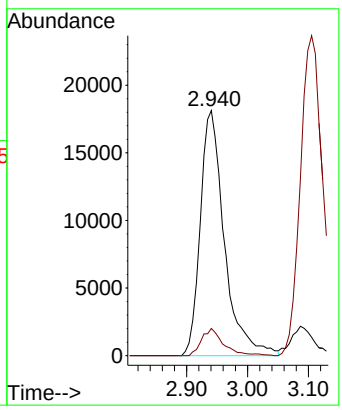
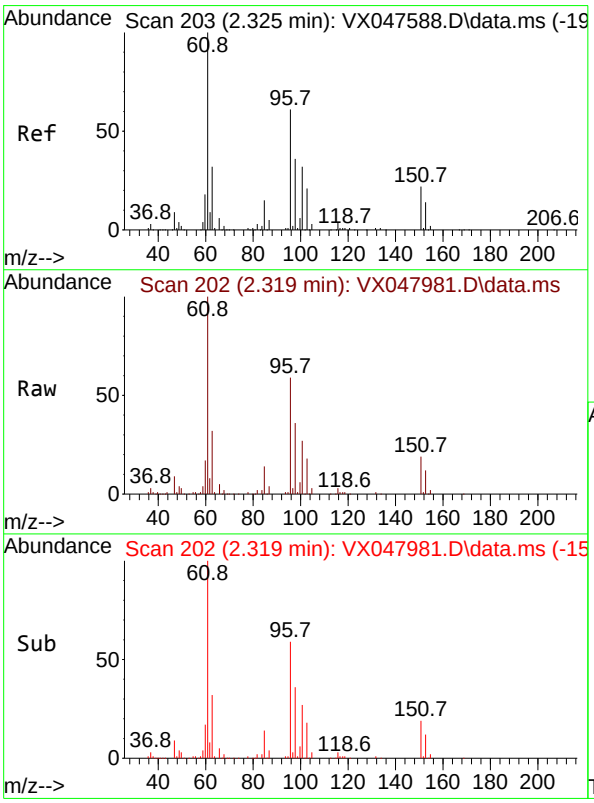
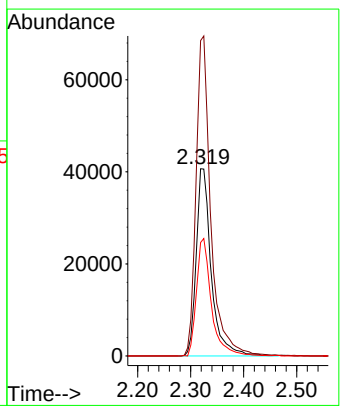


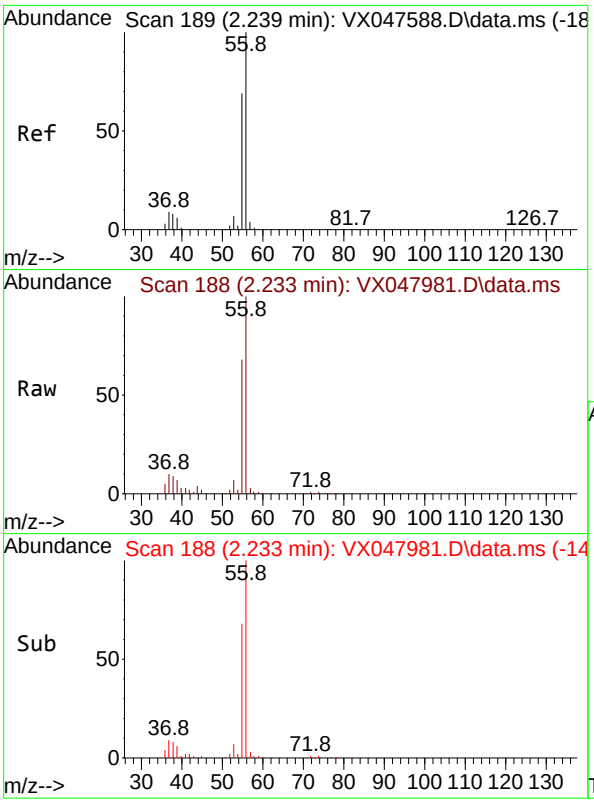


#12
1,1-Dichloroethene
Concen: 51.300 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 80415

Ion	Ratio	Lower	Upper
96	100		
61	168.5	131.0	196.6
98	60.6	47.7	71.5

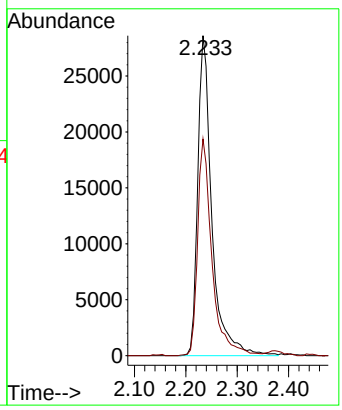




#13
Acrolein
Concen: 252.910 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 56 Resp: 5451

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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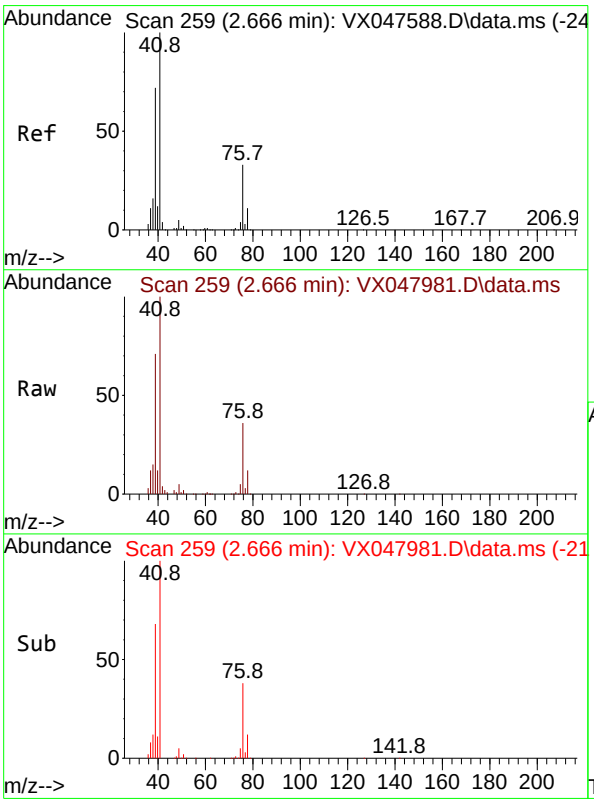
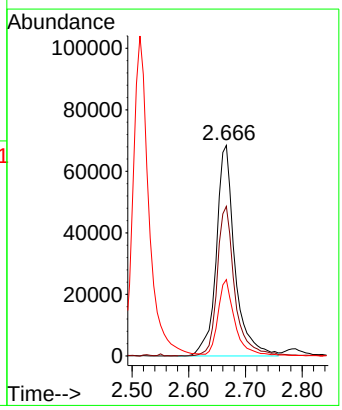
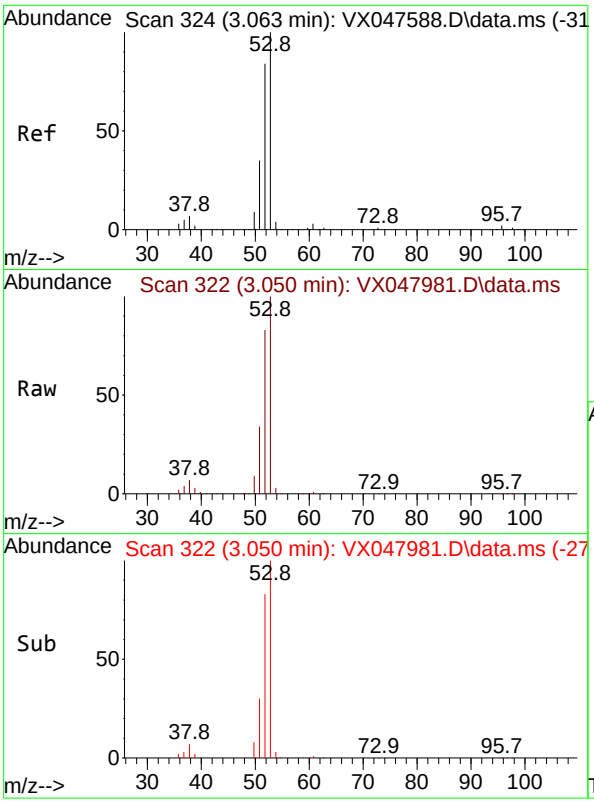


#14
Allyl chloride
Concen: 48.170 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 155815

Ion	Ratio	Lower	Upper
41	100		
39	67.5	54.7	82.1
76	32.9	25.7	38.5

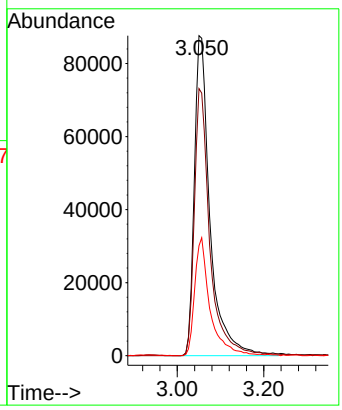




#15
Acrylonitrile
Concen: 254.160 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 53 Resp: 22019

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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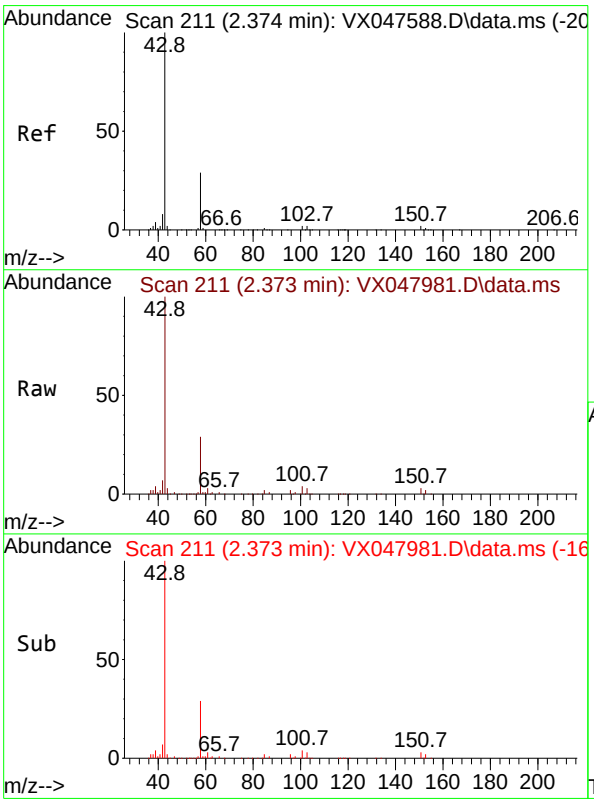
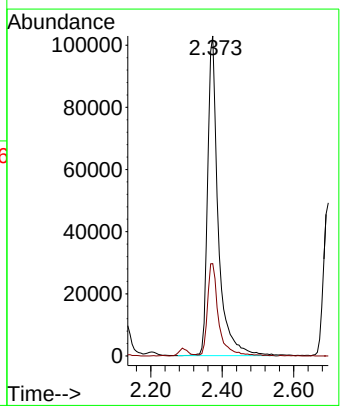
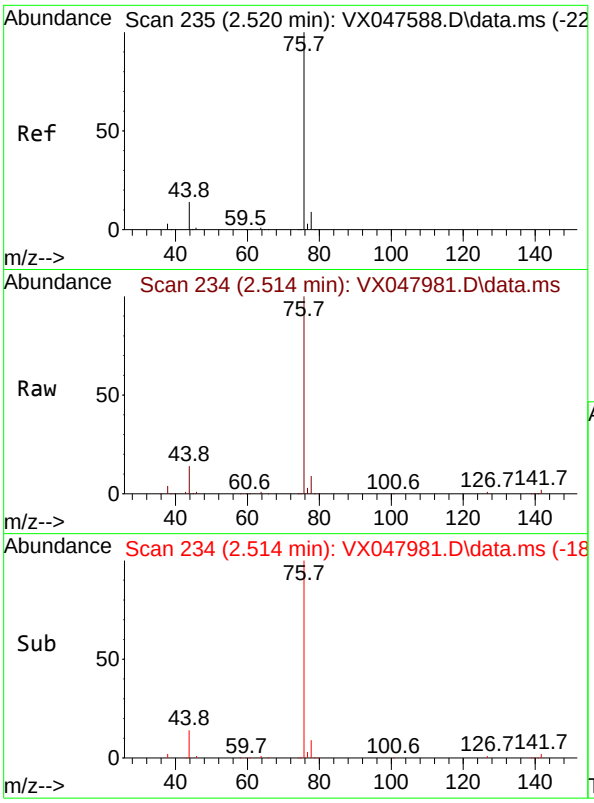


#16
Acetone
Concen: 232.196 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 212026

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.0





#17
Carbon Disulfide
Concen: 46.455 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 76 Resp: 19935

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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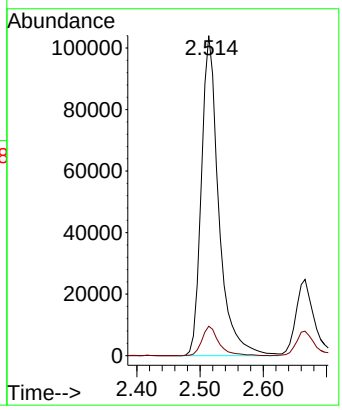
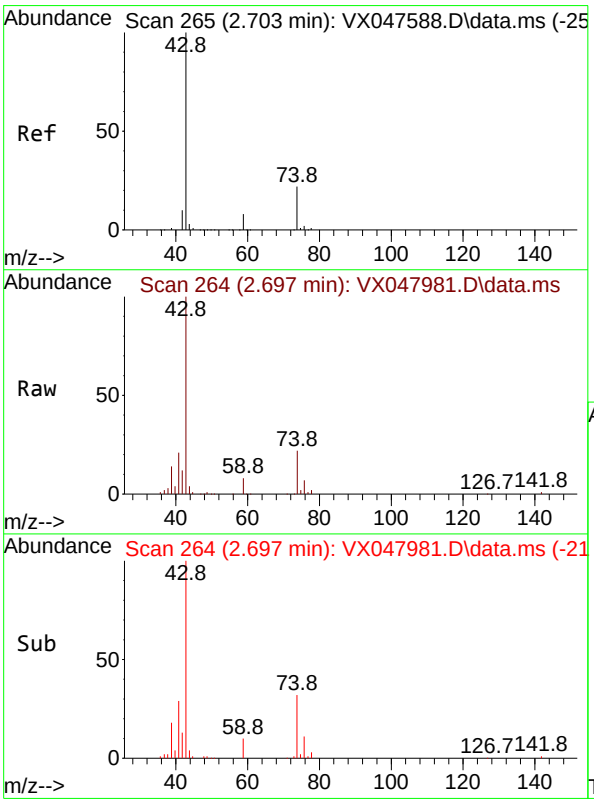
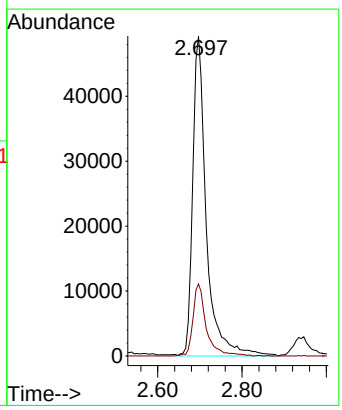


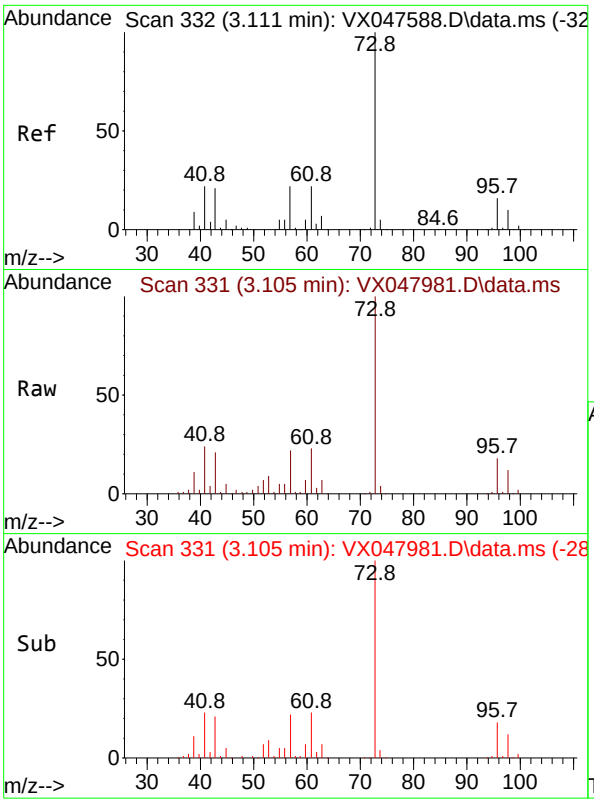


#18
Methyl Acetate
Concen: 54.445 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 110641

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

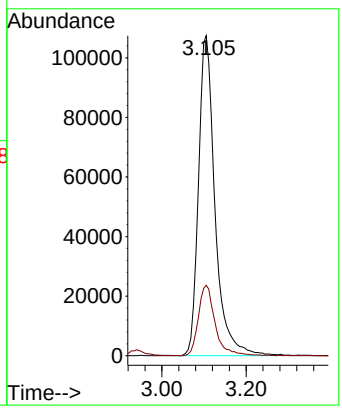




#19
Methyl tert-butyl Ether
Concen: 51.168 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 73 Resp: 29279

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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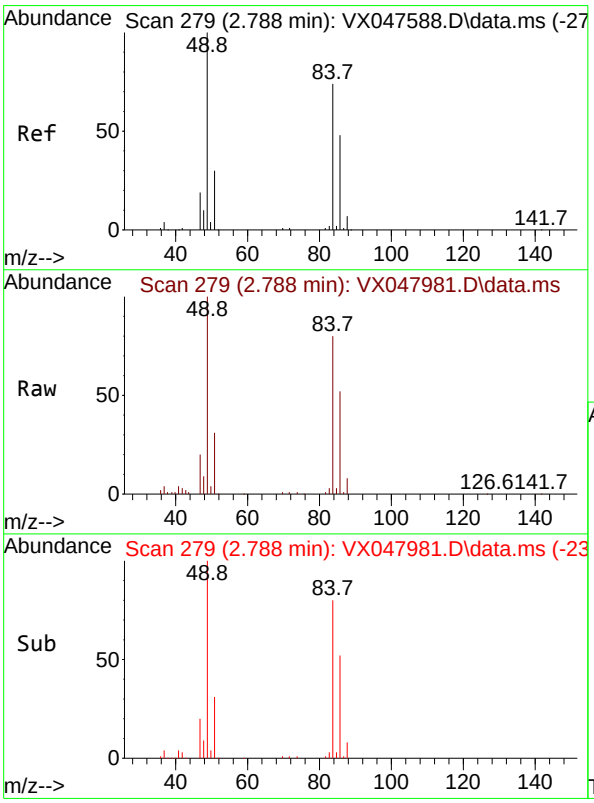
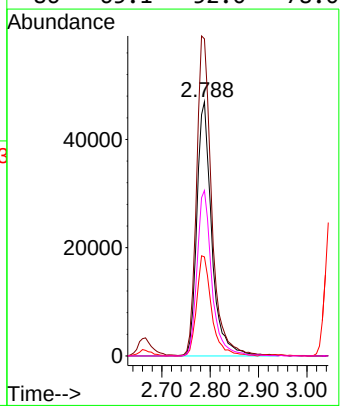
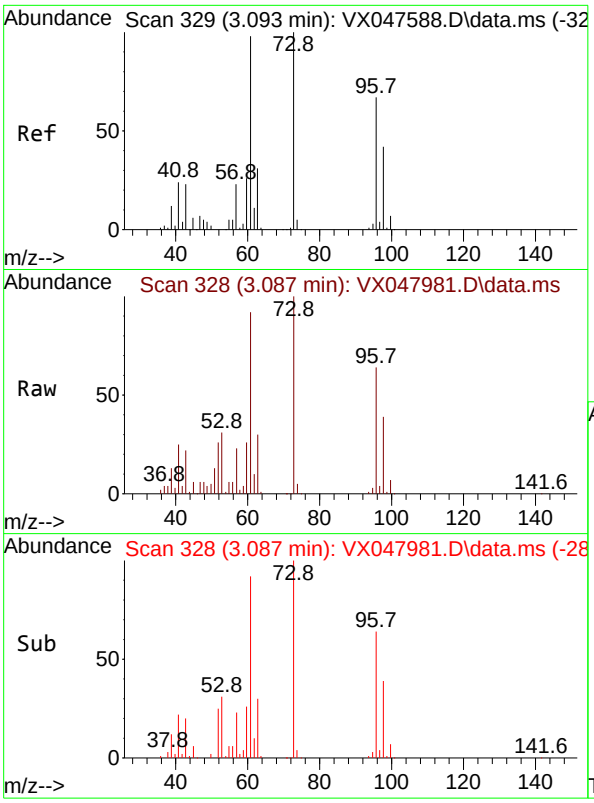


#20
Methylene Chloride
Concen: 51.991 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 84 Resp: 100491

Ion	Ratio	Lower	Upper
84	100		
49	124.6	108.6	162.8
51	39.0	32.6	48.8
86	65.1	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 51.136 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 8630

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.2	174.2
98	61.3	49.3	73.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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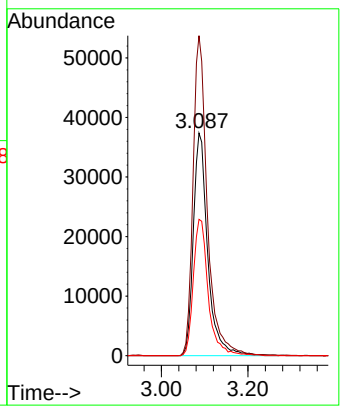
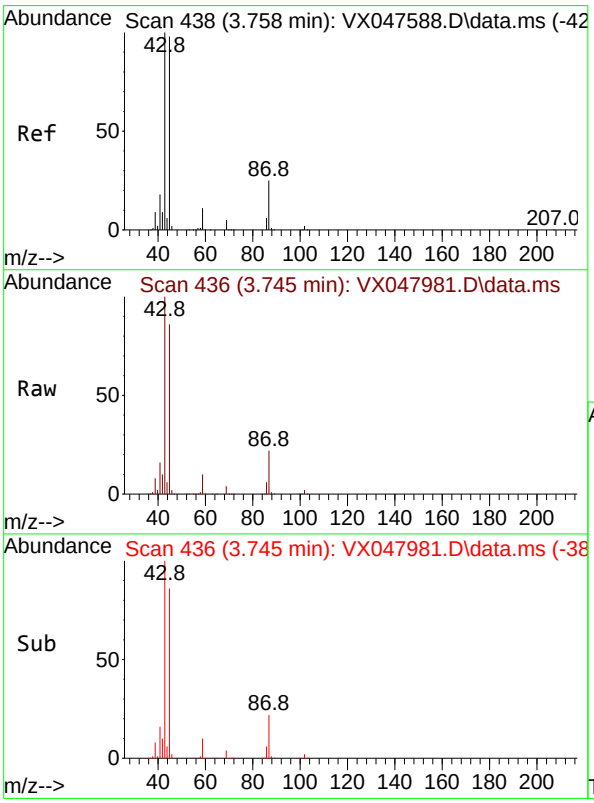
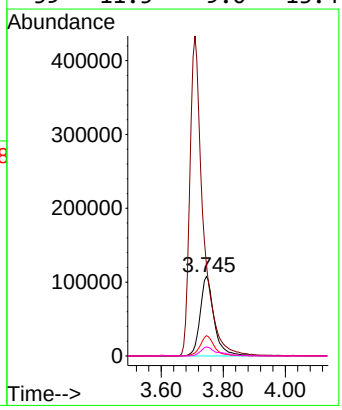


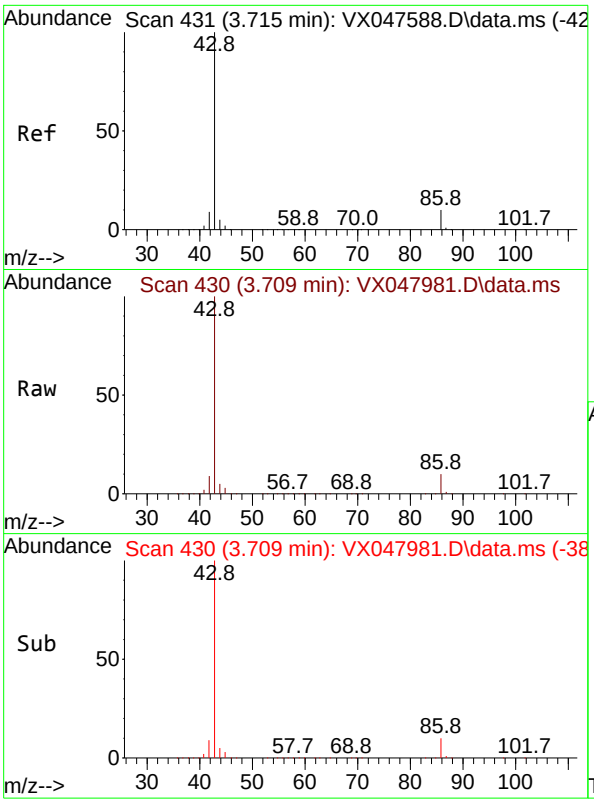


#22
Diisopropyl ether
Concen: 53.792 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 45 Resp: 337219

Ion	Ratio	Lower	Upper
45	100		
43	116.3	81.0	121.4
87	25.4	20.3	30.5
59	11.5	9.0	13.4





#23
Vinyl Acetate
Concen: 258.092 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 129492

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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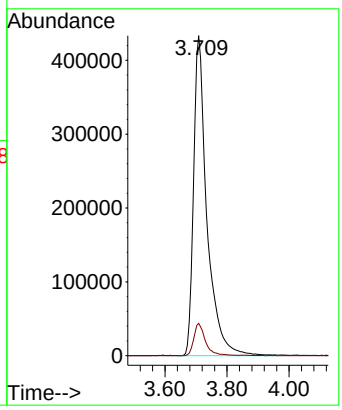
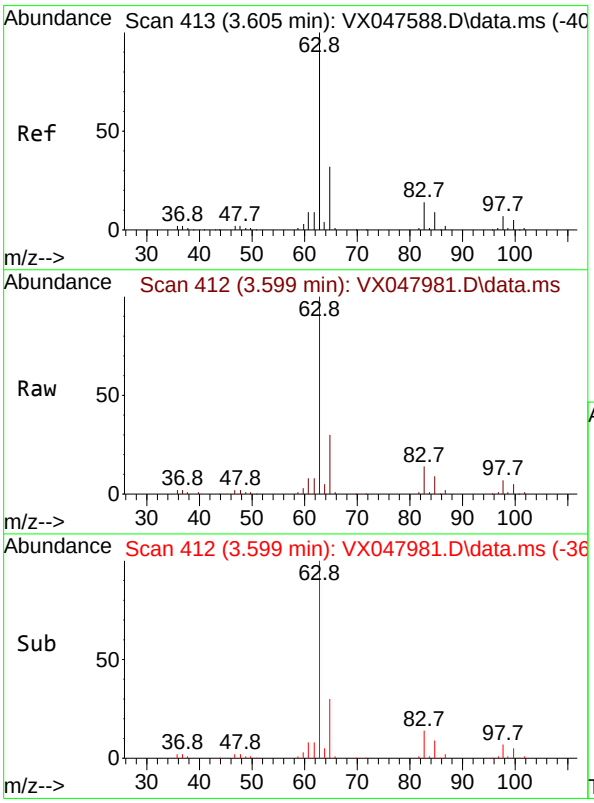
Supervised By :Semsettin Yesilyurt 10/06/2025

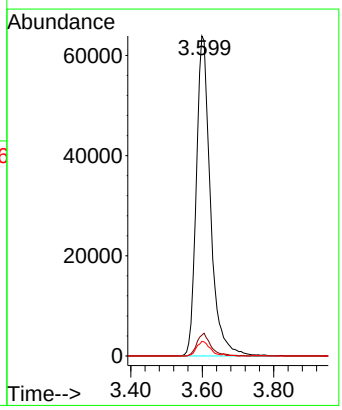


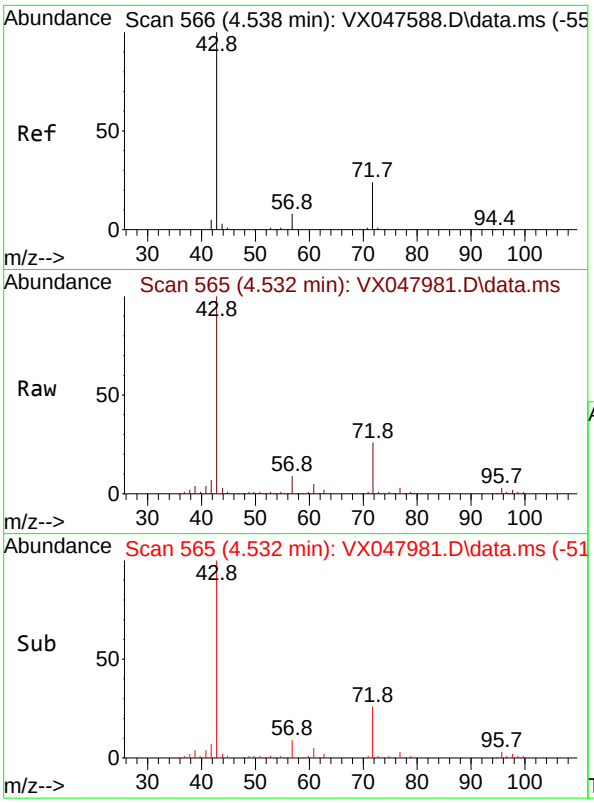


#24
1,1-Dichloroethane
Concen: 52.515 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 174979

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 236.489 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 26936

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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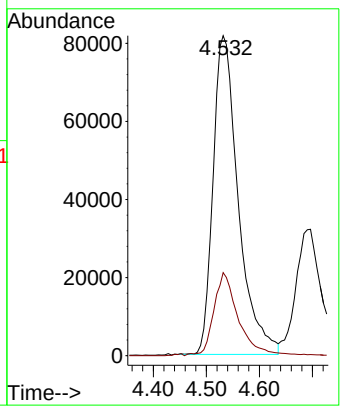
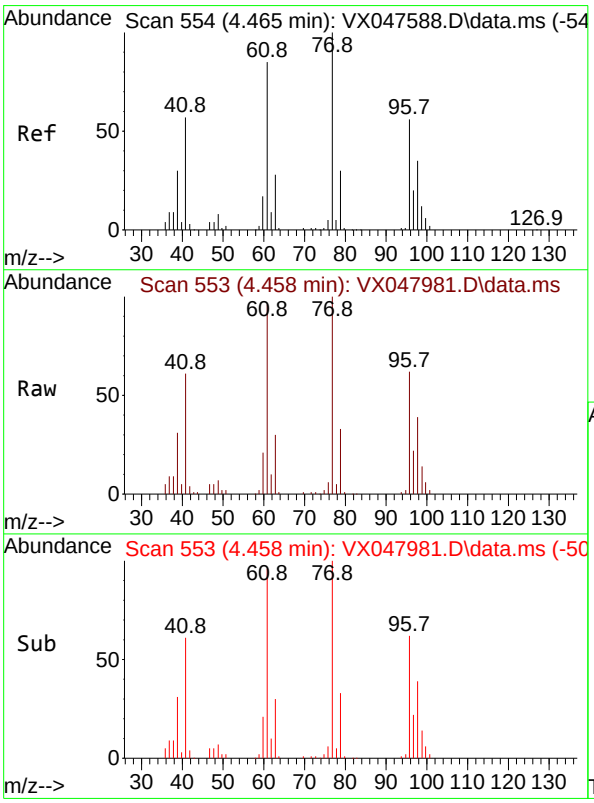
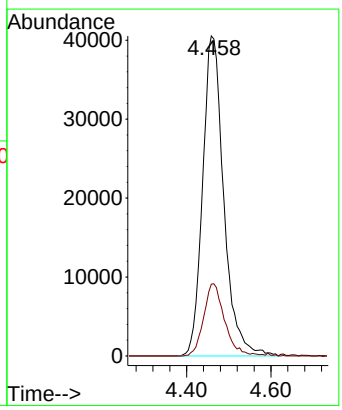


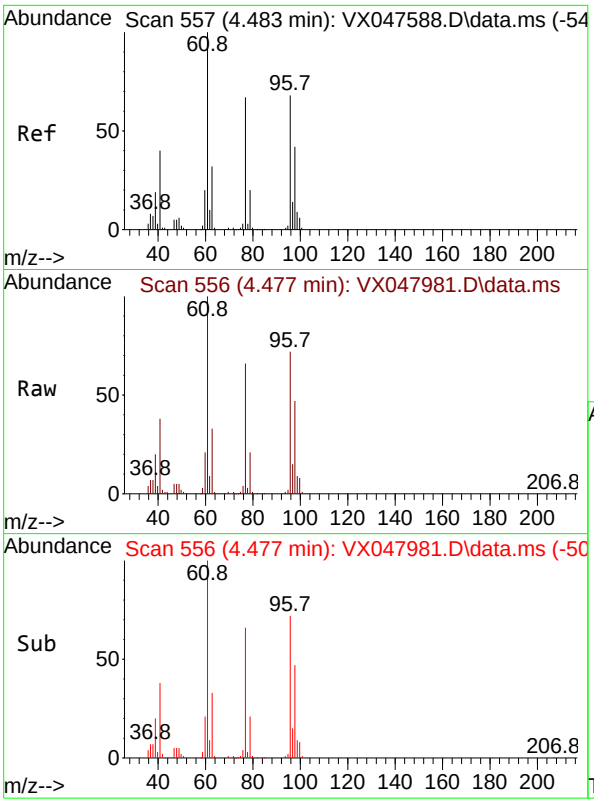


#26
2,2-Dichloropropane
Concen: 51.006 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 77 Resp: 141274

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 52.794 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 10911

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	303.2
98	64.6	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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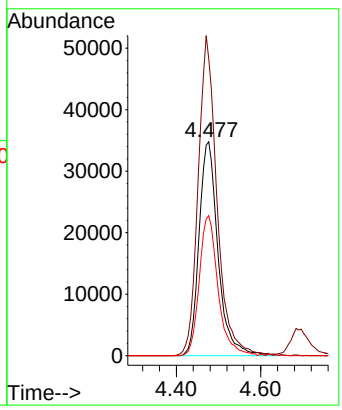
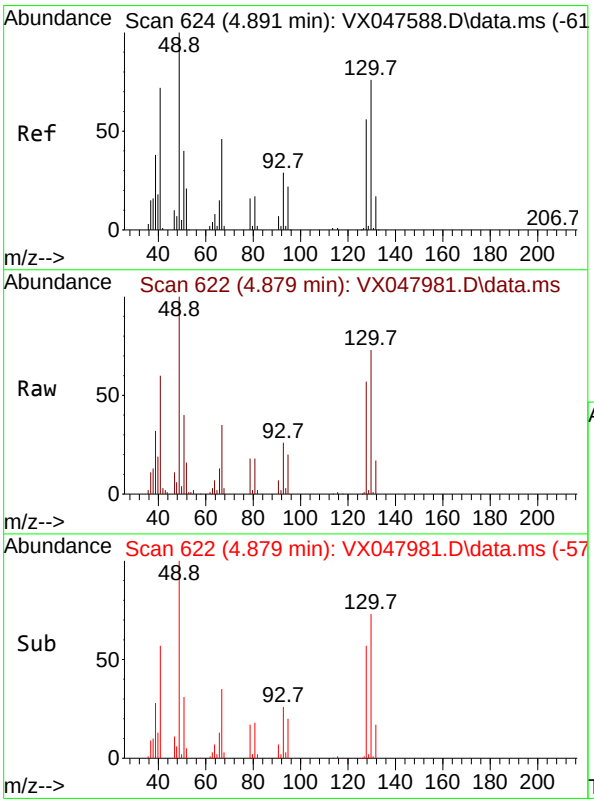
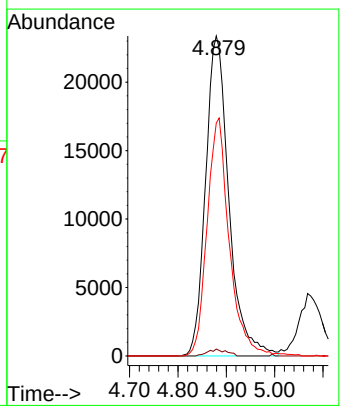


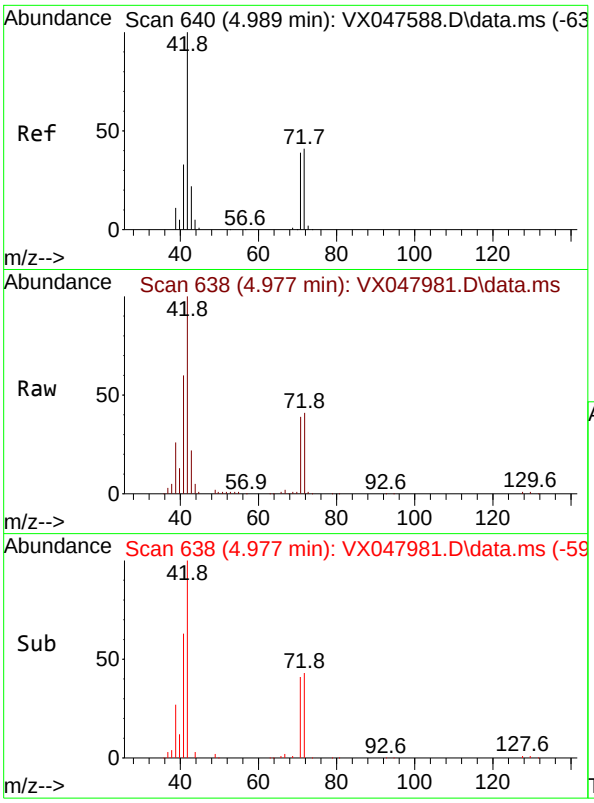


#28
Bromochloromethane
Concen: 53.648 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 49 Resp: 78038

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.1	57.8	86.8





#29
Tetrahydrofuran
Concen: 235.207 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 42 Resp: 16116

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	38.8	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
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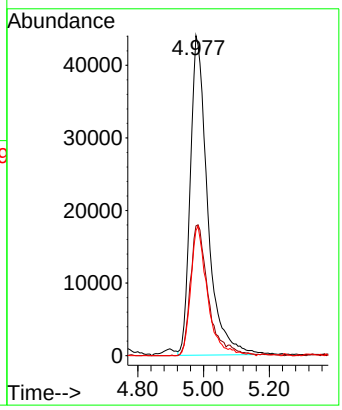
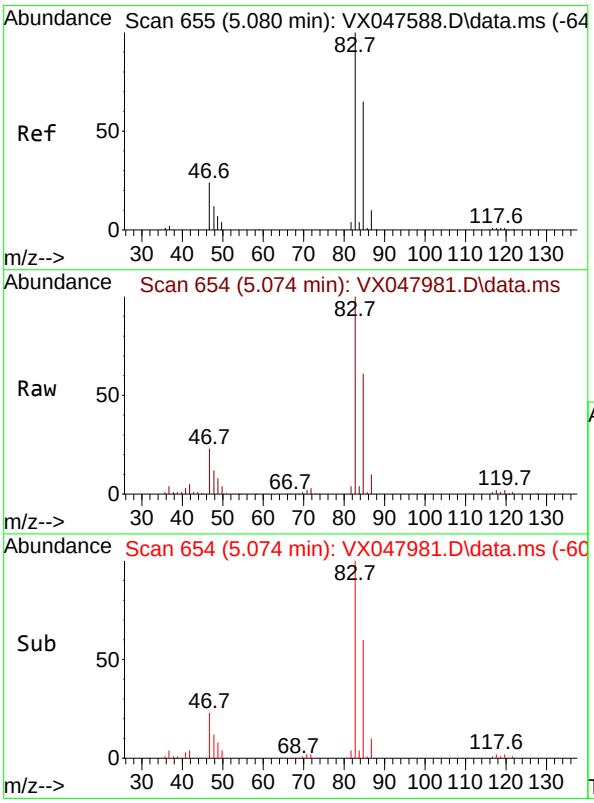
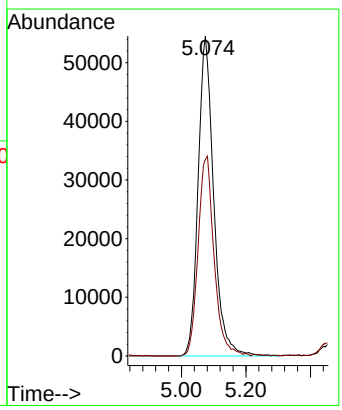


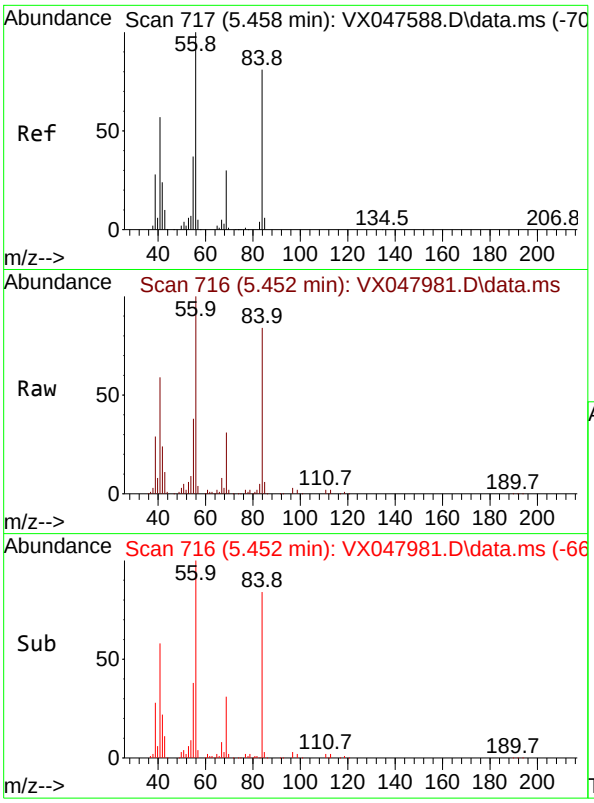


#30
Chloroform
Concen: 54.270 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 182731

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6





#31
Cyclohexane
Concen: 48.665 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 56 Resp: 13505

Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.8	35.8
84	81.8	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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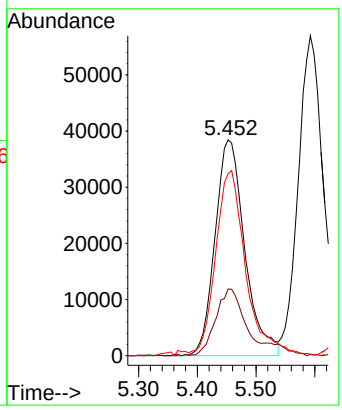
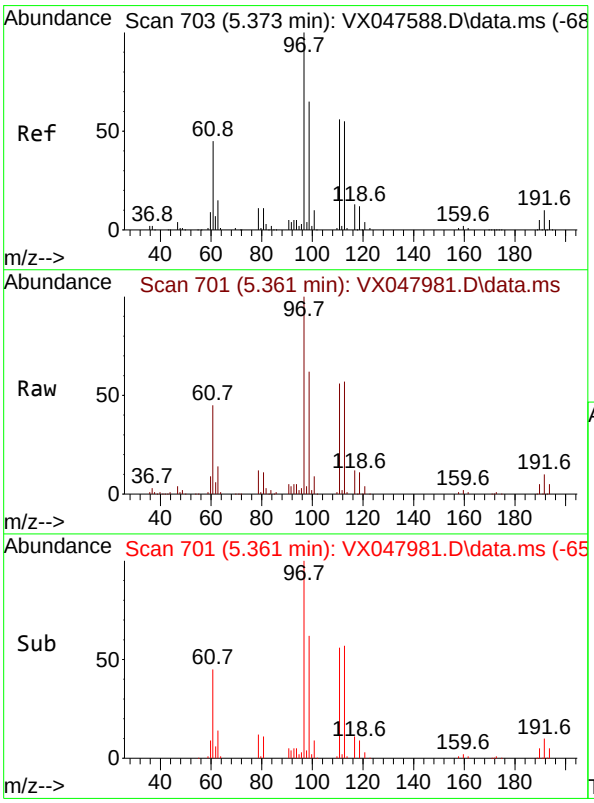
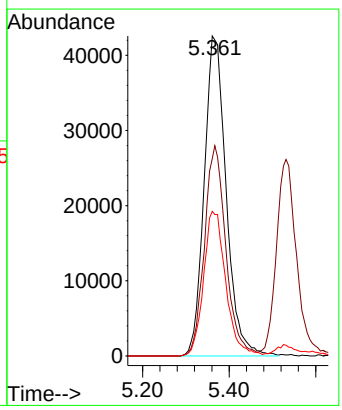


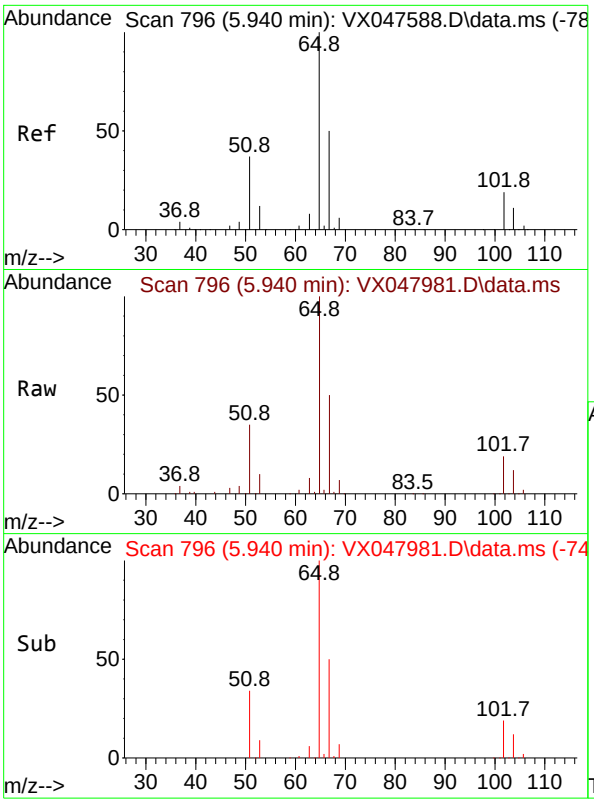


#32
1,1,1-Trichloroethane
Concen: 52.659 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 97 Resp: 150394

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	45.5	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 50.073 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 65 Resp: 10515

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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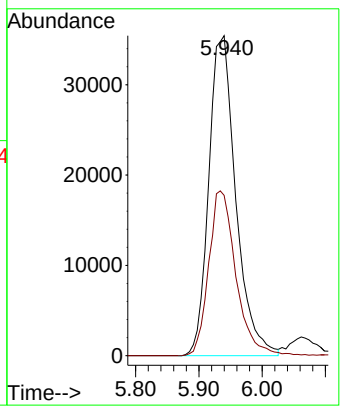
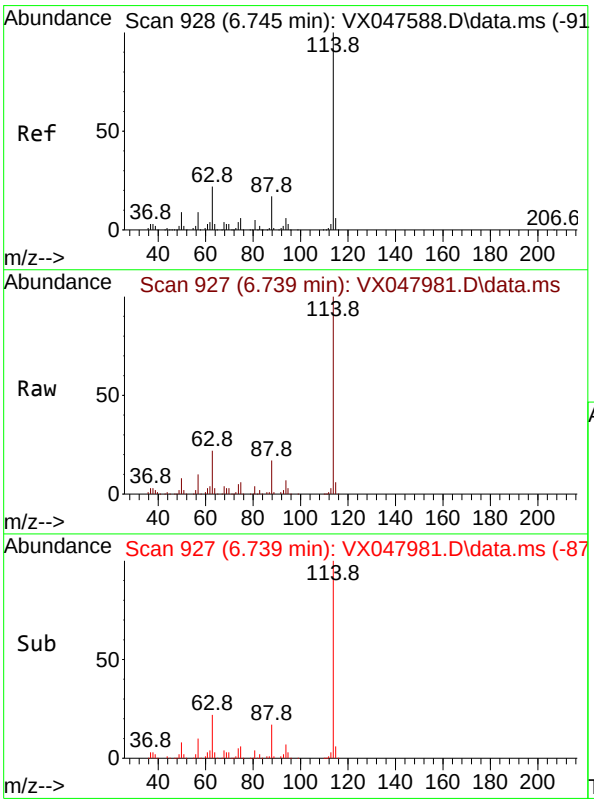
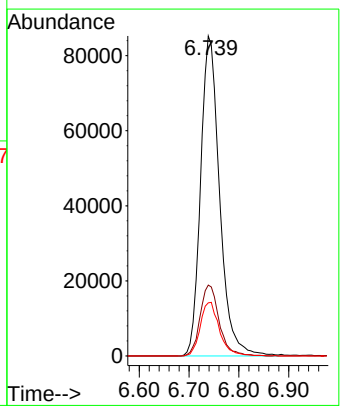


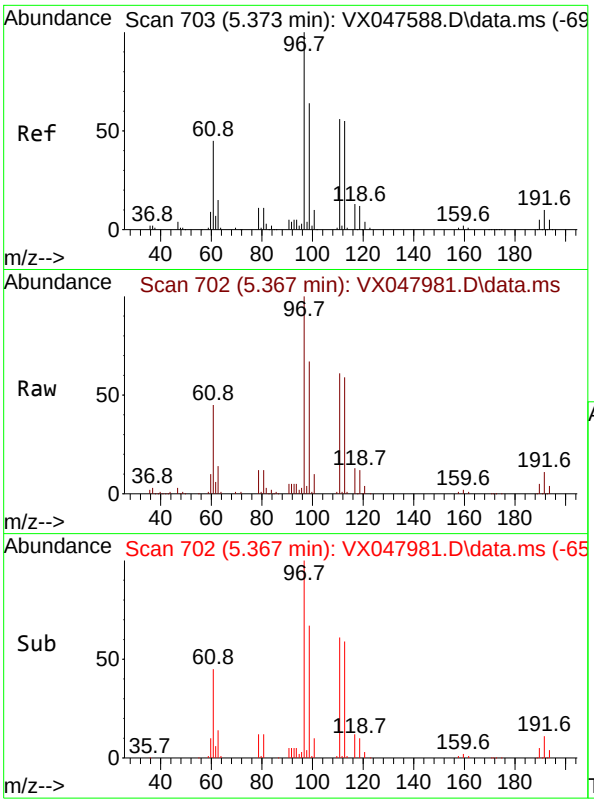


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:114 Resp: 225878

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.6	0.0	34.2

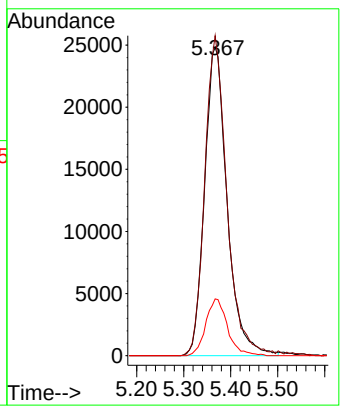




#35
Dibromofluoromethane
Concen: 54.487 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:113 Resp: 8254

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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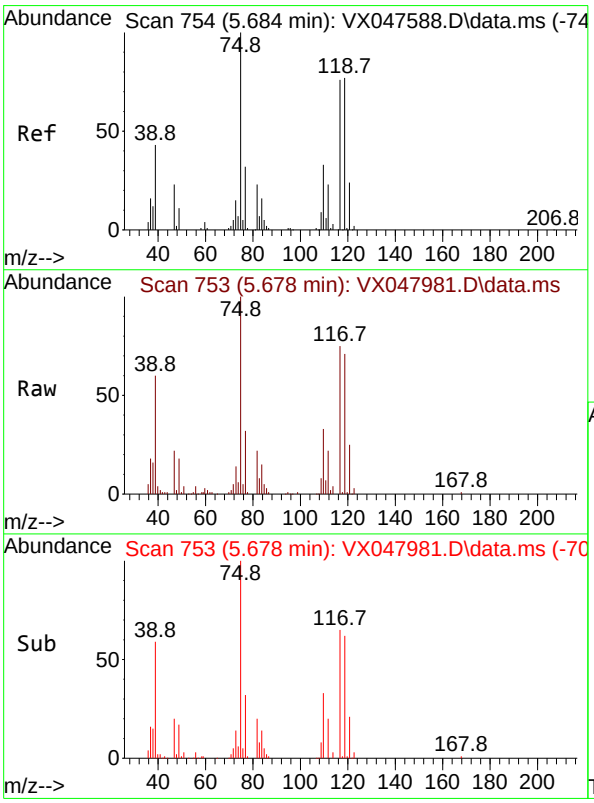
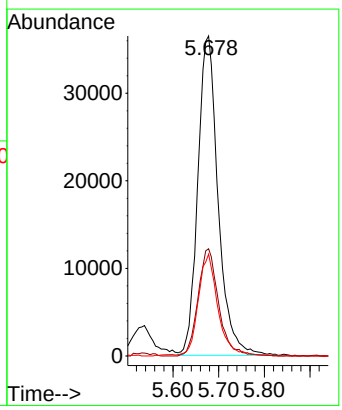
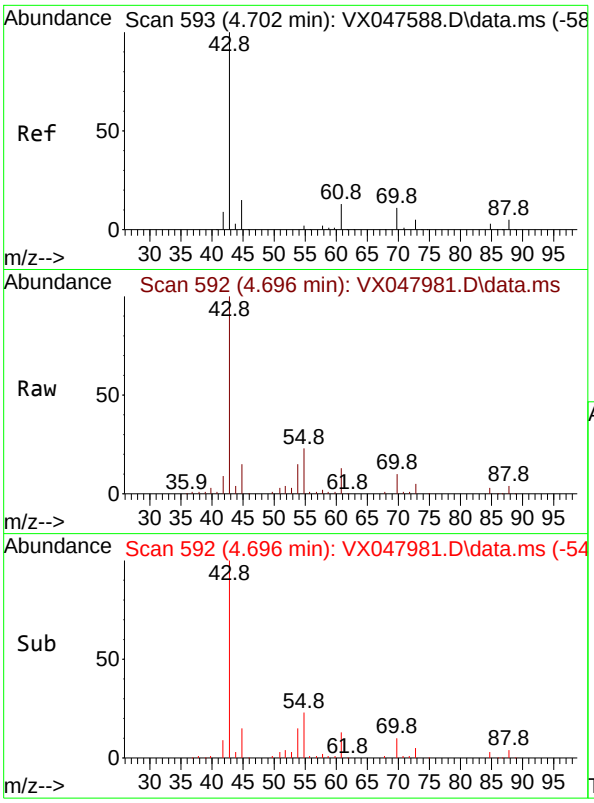


#36
1,1-Dichloropropene
Concen: 50.861 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 112584

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 48.424 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 11477

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
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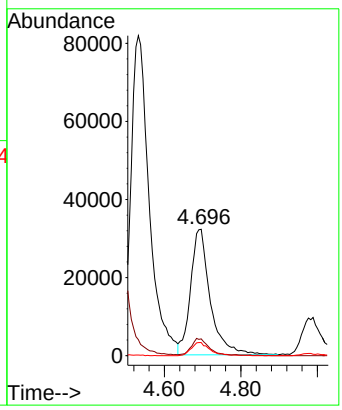
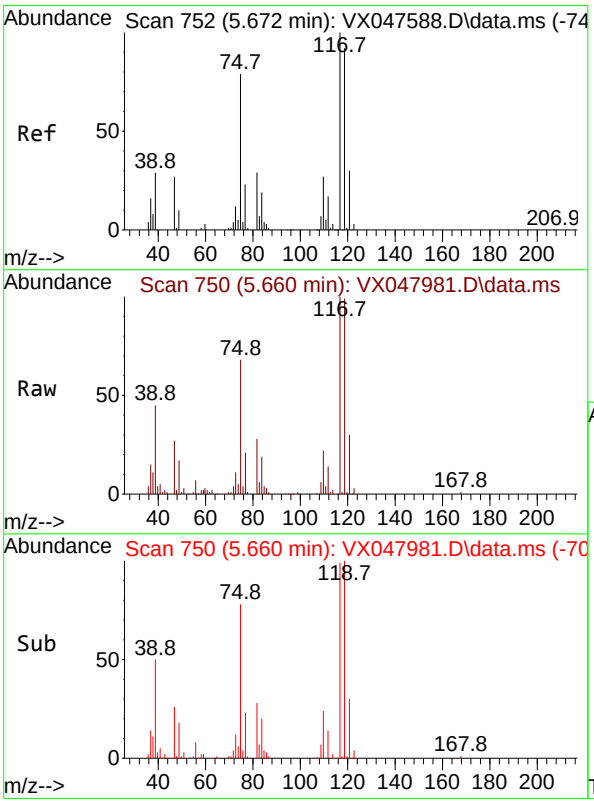
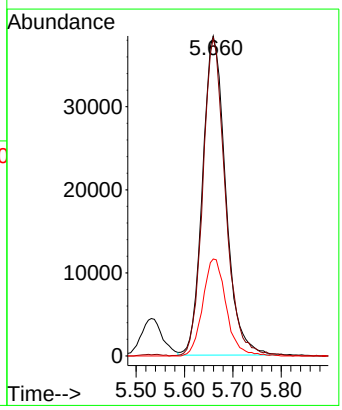


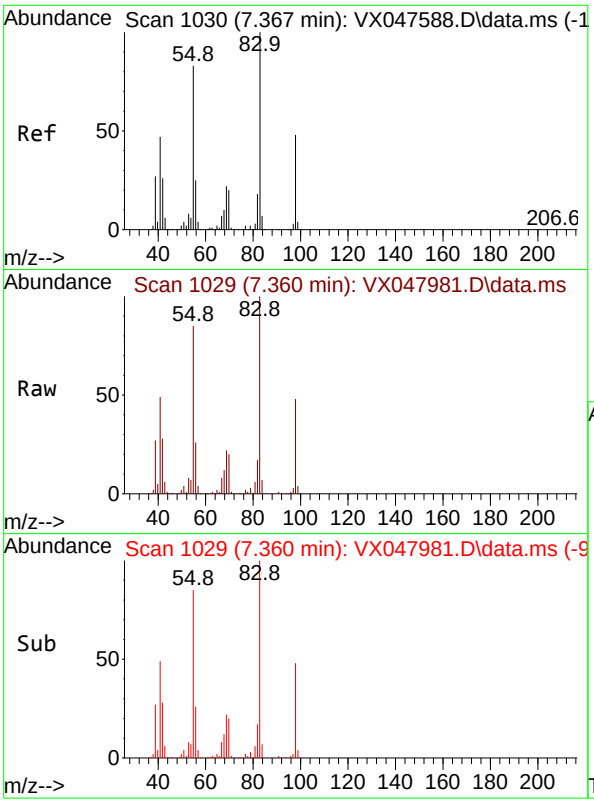


#38
Carbon Tetrachloride
Concen: 53.085 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 127673

Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.4	110.2
121	30.4	23.8	35.6

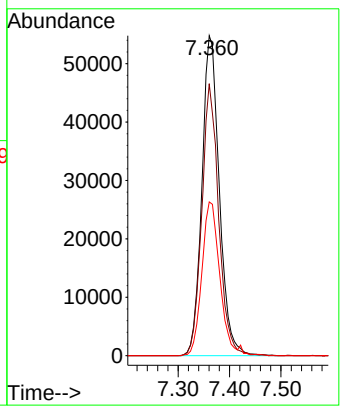




#39
Methylcyclohexane
Concen: 51.374 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 12908

Ion	Ratio	Lower	Upper
83	100		
55	85.0	66.4	99.6
98	48.0	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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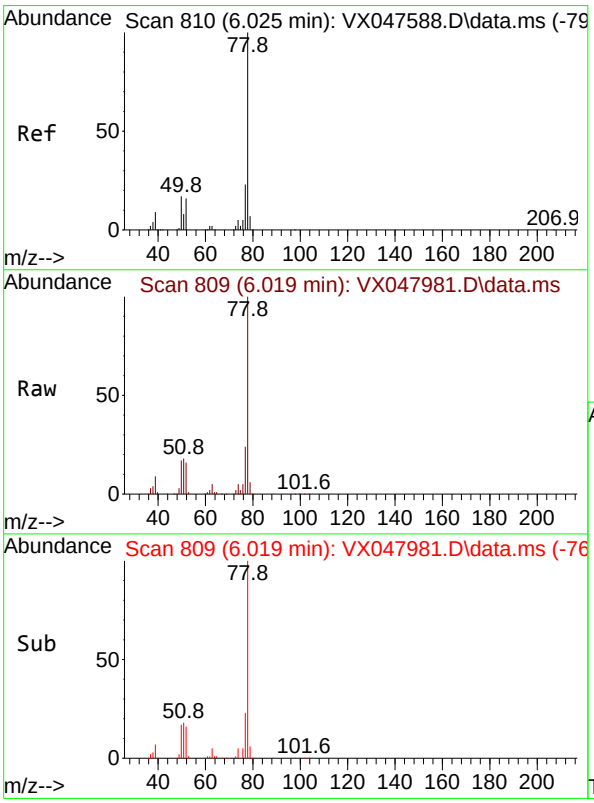
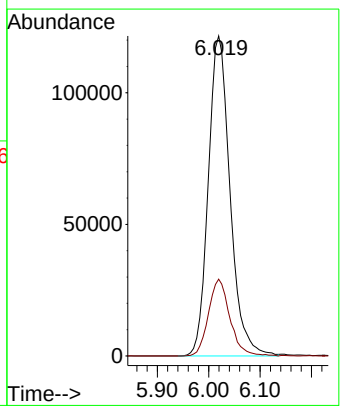
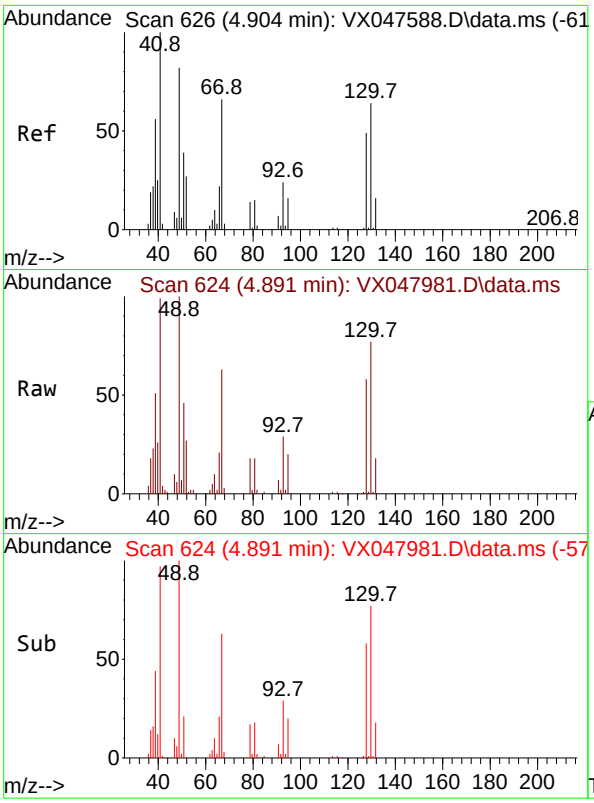


#40
Benzene
Concen: 53.235 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 78 Resp: 357908

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

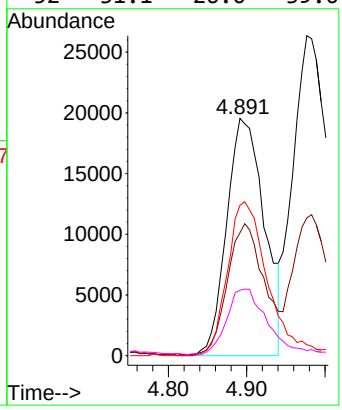




#41
Methacrylonitrile
Concen: 53.653 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 6564

Ion	Ratio	Lower	Upper
41	100		
39	56.0	43.3	64.9
67	69.5	58.6	87.8
52	31.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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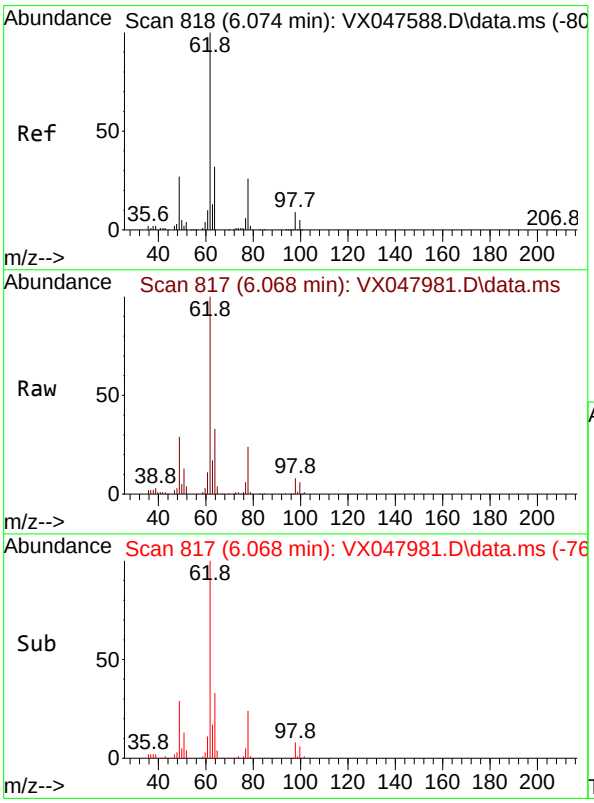
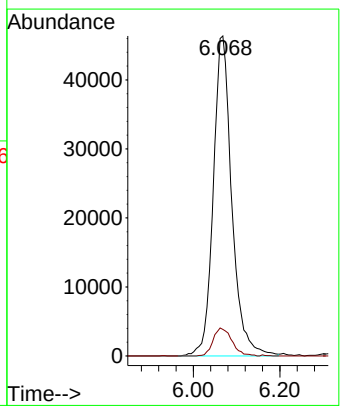
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

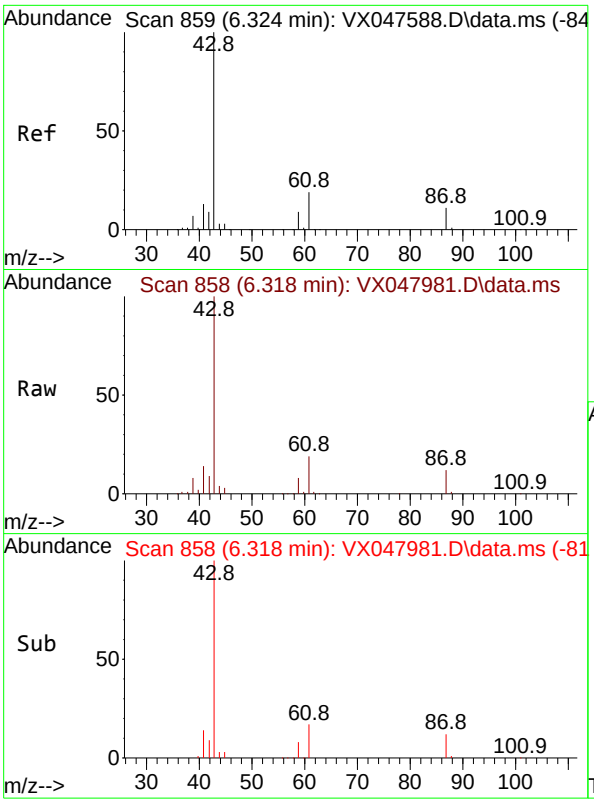


#42
1,2-Dichloroethane
Concen: 53.871 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 137806

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0





#43
Isopropyl Acetate
Concen: 49.355 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 19184

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.2	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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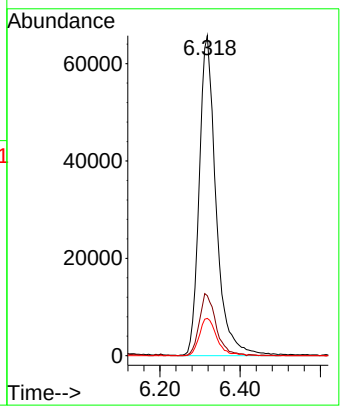
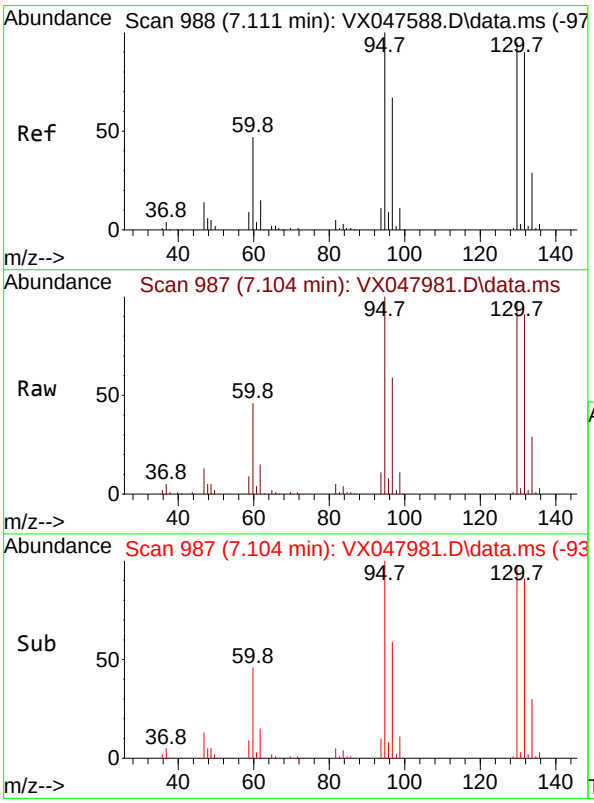
Supervised By :Semsettin Yesilyurt 10/06/2025

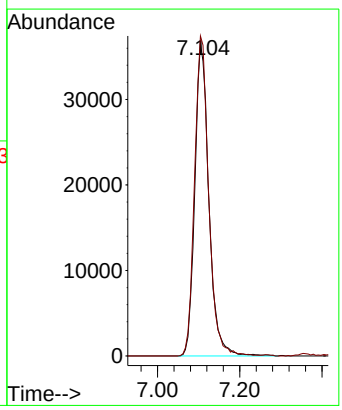


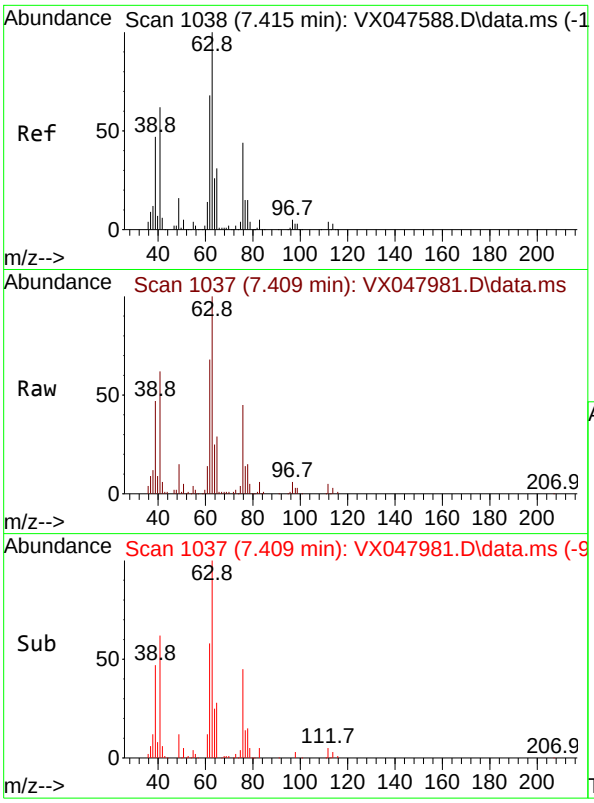


#44
Trichloroethene
Concen: 53.434 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:130 Resp: 86853

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 55.851 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 9615

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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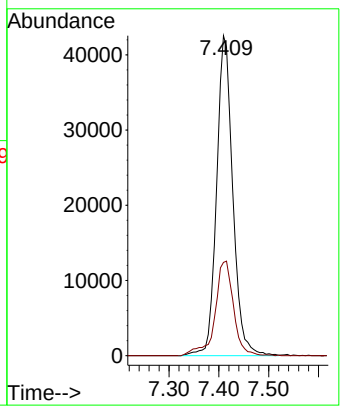
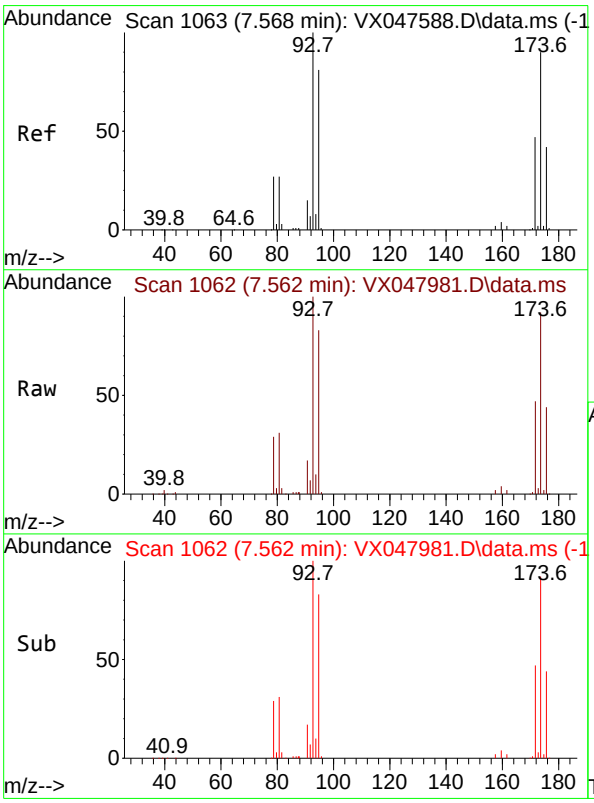
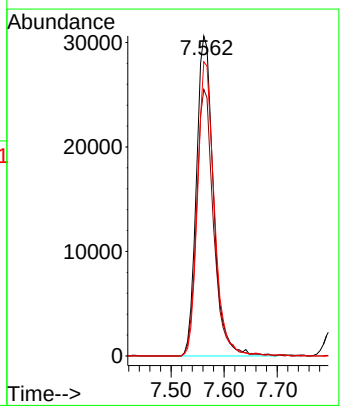


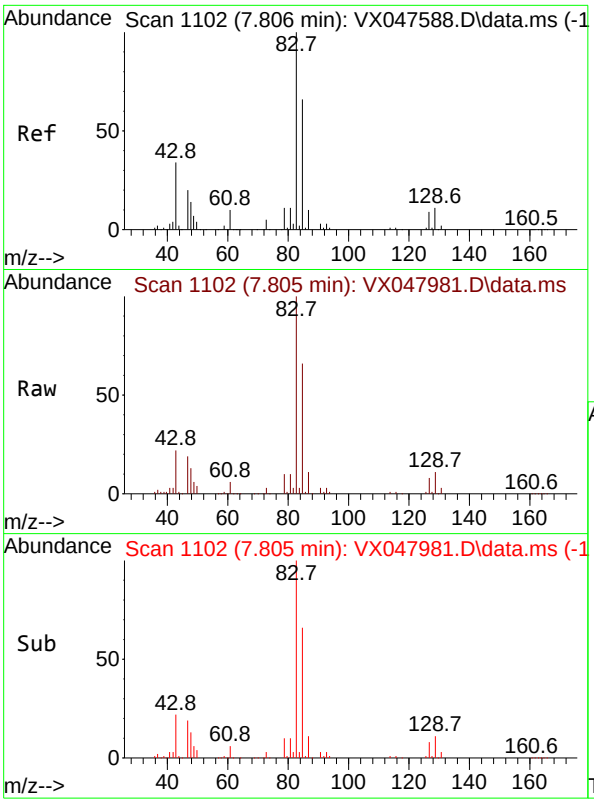


#46
Dibromomethane
Concen: 54.722 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 93 Resp: 68555

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	89.6	71.6	107.4





#47
Bromodichloromethane
Concen: 57.255 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 14801

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7
127	8.2	6.9	10.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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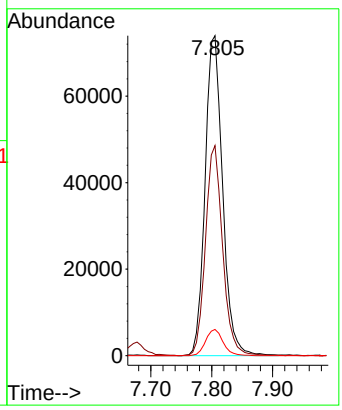
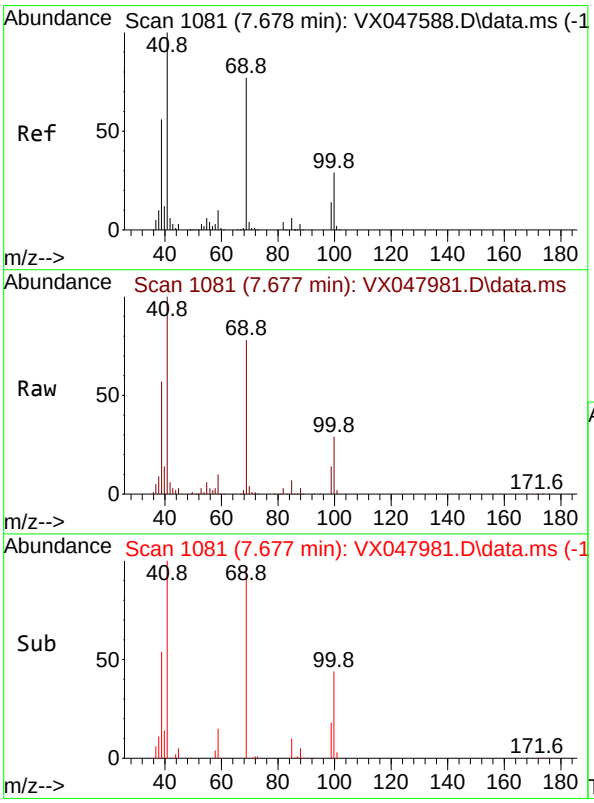
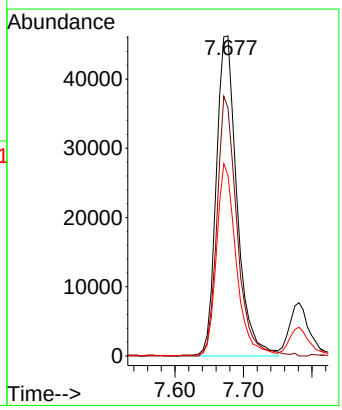


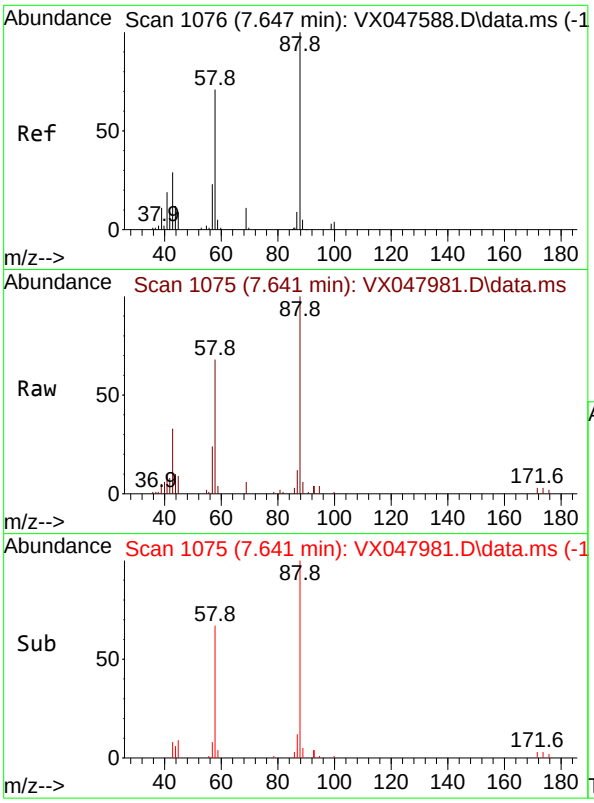


#48
Methyl methacrylate
Concen: 50.106 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 97016

Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	57.4	45.8	68.6

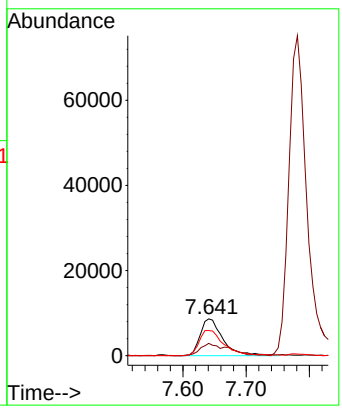




#49
1,4-Dioxane
Concen: 1102.746 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 88 Resp: 2157

Ion	Ratio	Lower	Upper
88	100		
43	41.4	30.2	45.2
58	75.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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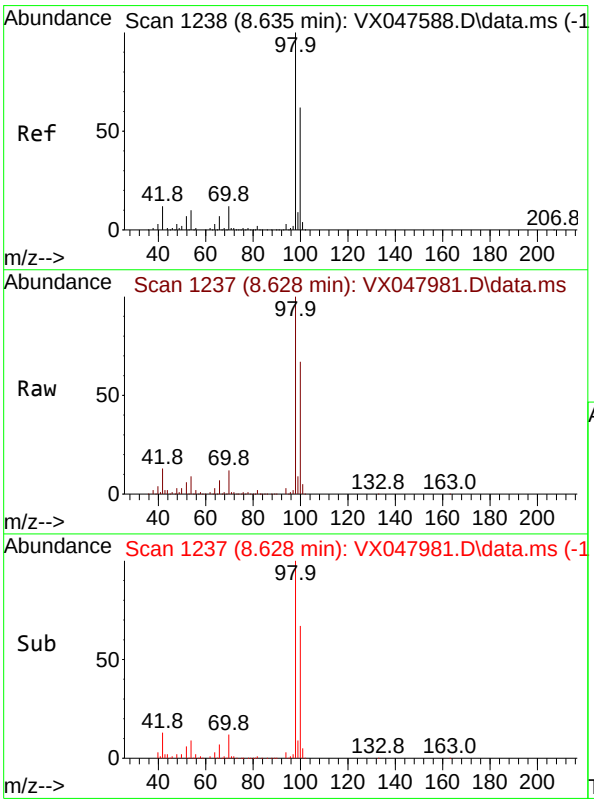
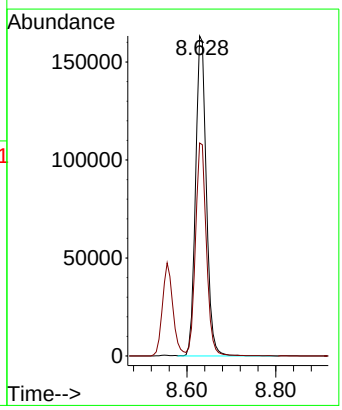
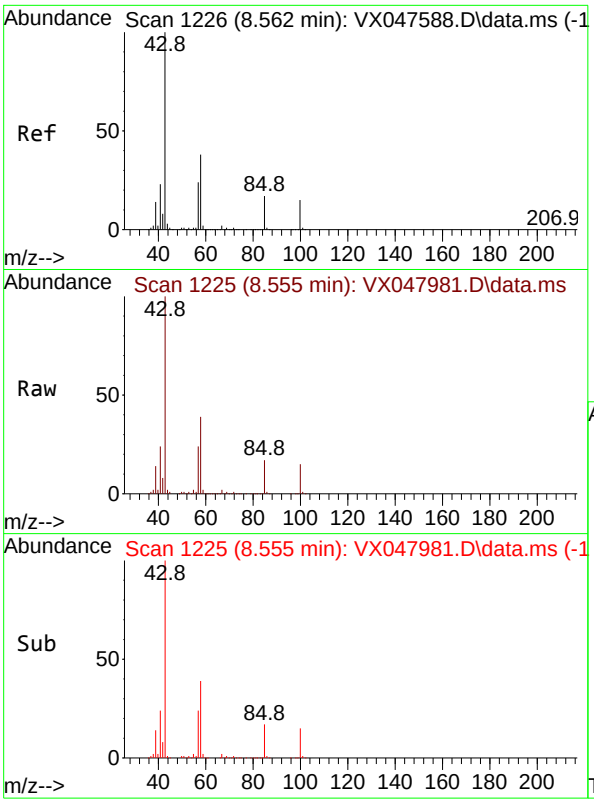


#50
Toluene-d8
Concen: 52.341 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 98 Resp: 274356

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 251.926 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 54294

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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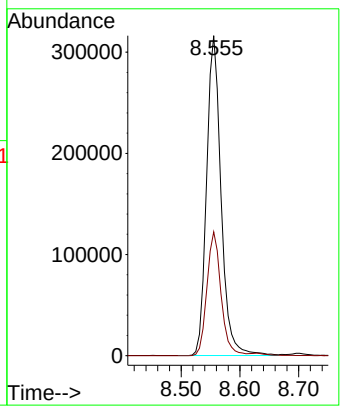
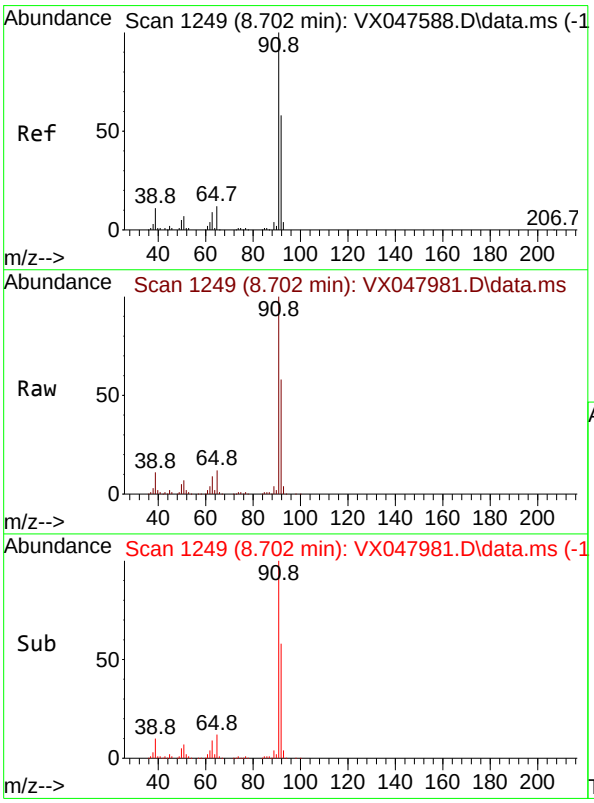
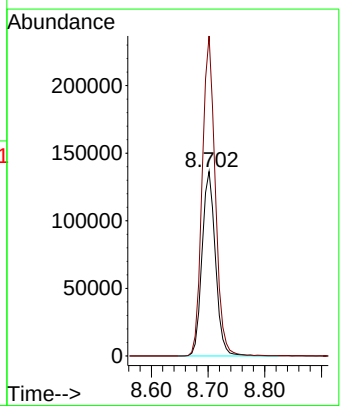


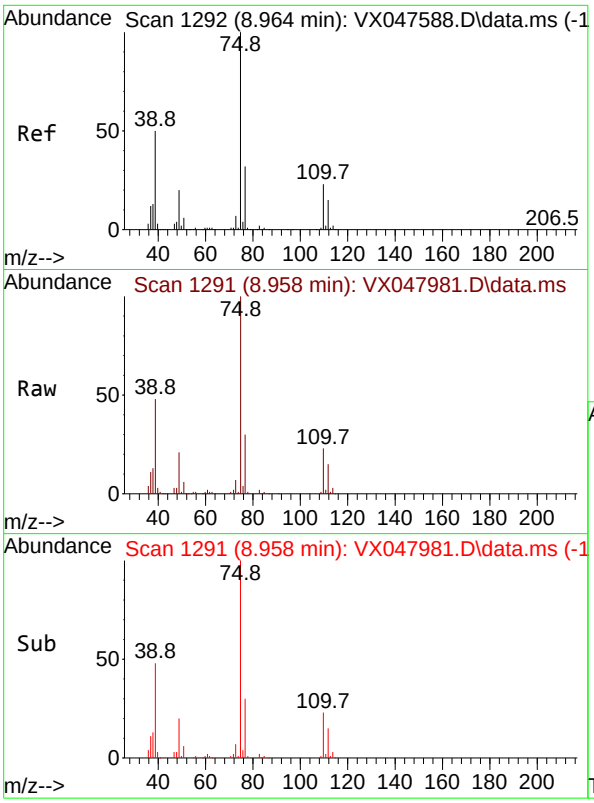


#52
Toluene
Concen: 53.932 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 92 Resp: 223395

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7

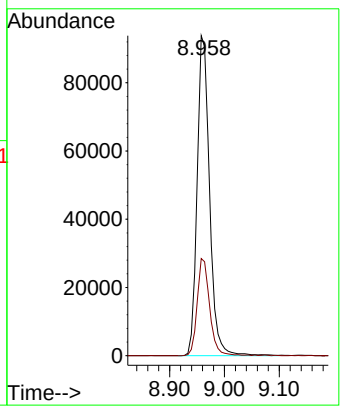




#53
t-1,3-Dichloropropene
Concen: 56.258 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 14834

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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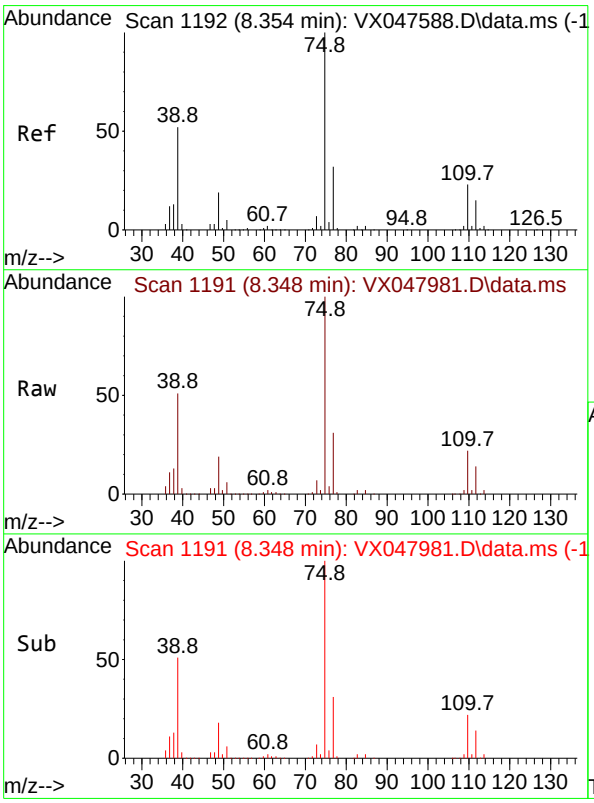
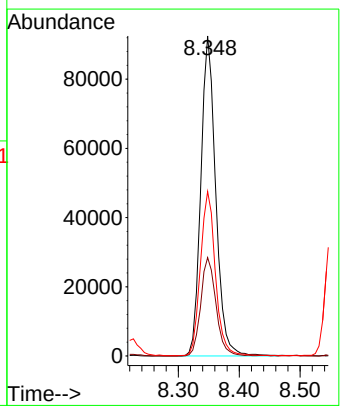
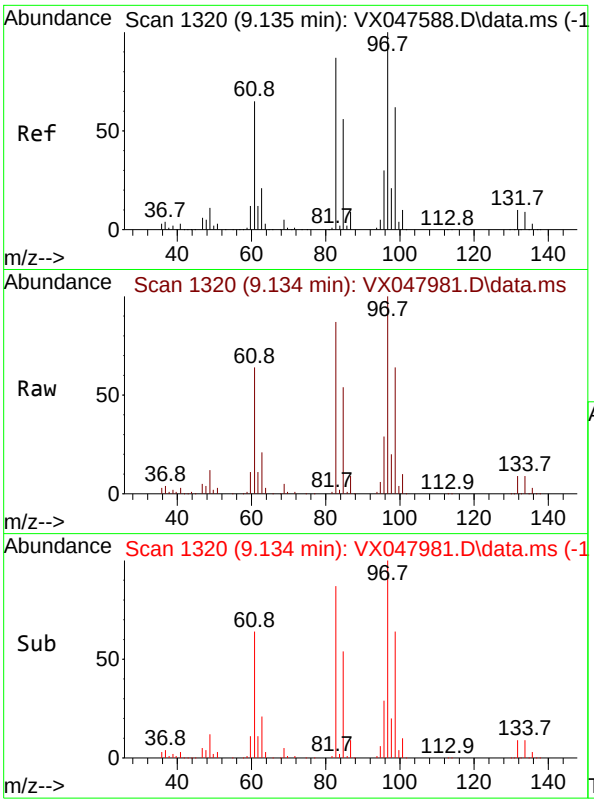


#54
cis-1,3-Dichloropropene
Concen: 55.904 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 157563

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6
39	50.8	41.4	62.2

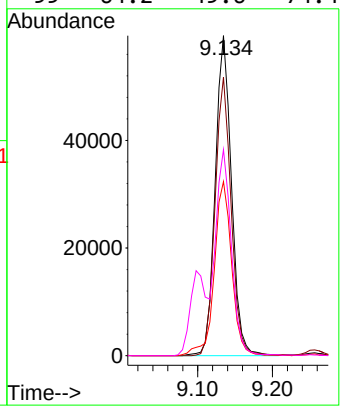




#55
1,1,2-Trichloroethane
Concen: 56.261 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 97 Resp: 8986

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.6	104.4
85	54.4	45.0	67.6
99	64.2	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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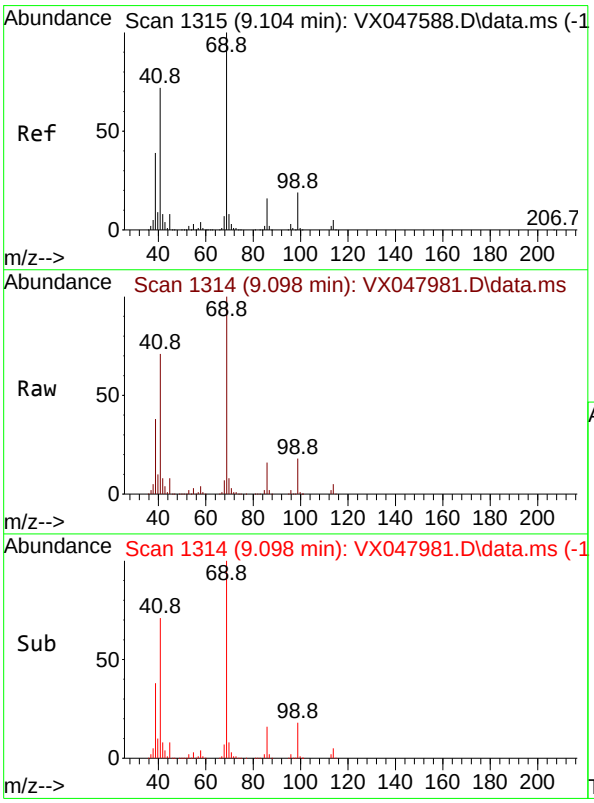
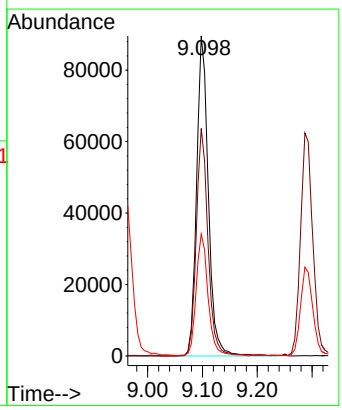
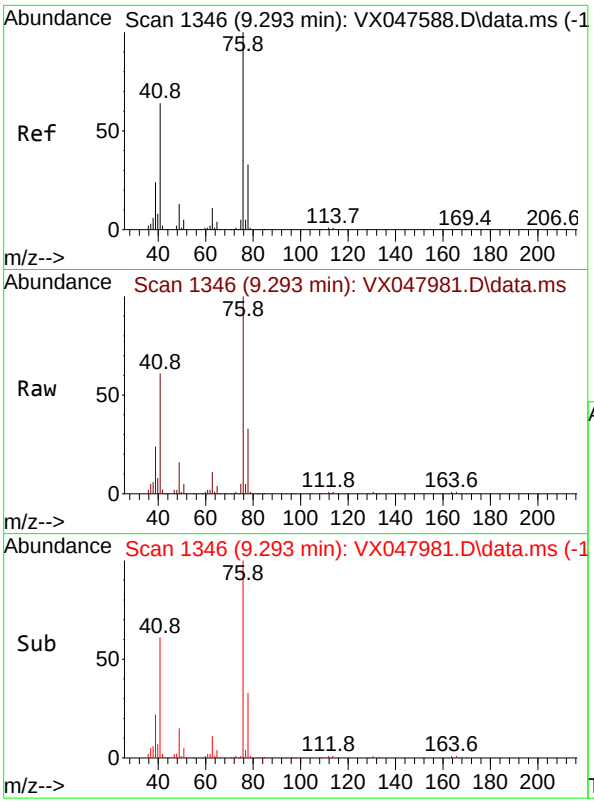


#56
Ethyl methacrylate
Concen: 53.383 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 69 Resp: 133902

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.8	31.5	47.3





#57
1,3-Dichloropropane
Concen: 56.403 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 76 Resp: 15475

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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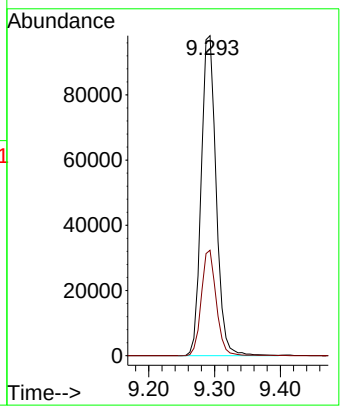
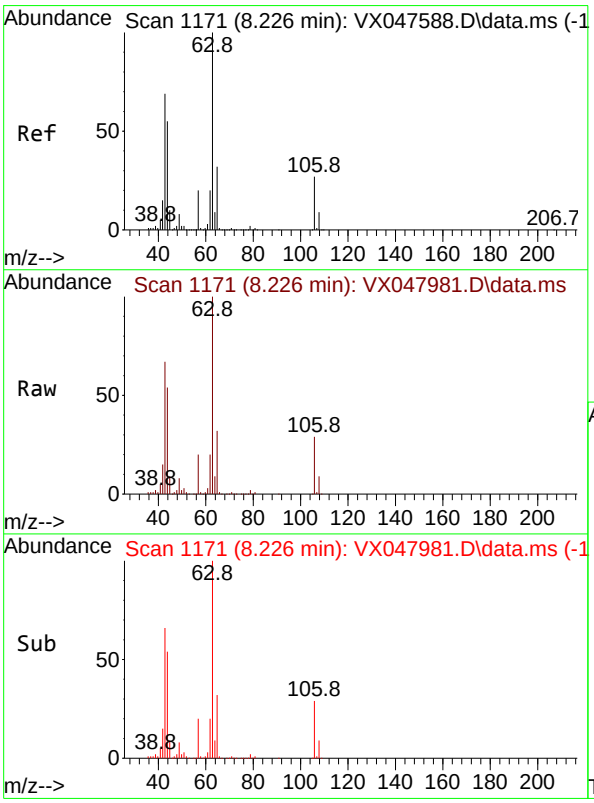
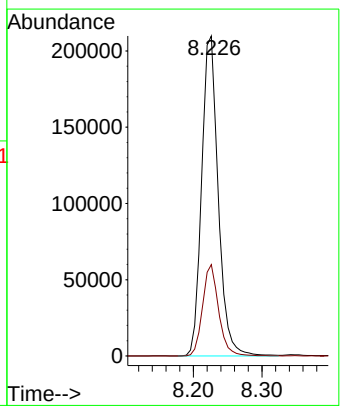


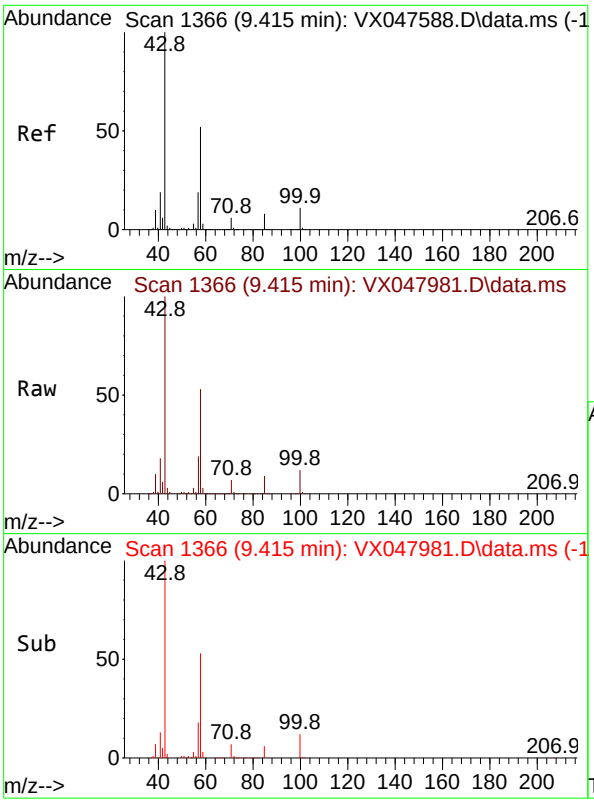


#58
2-Chloroethyl Vinyl ether
Concen: 291.841 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 353607

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9





#59
2-Hexanone
Concen: 243.952 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 37760

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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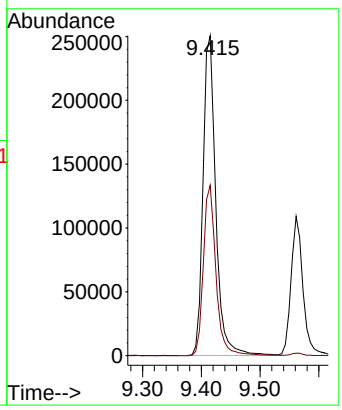
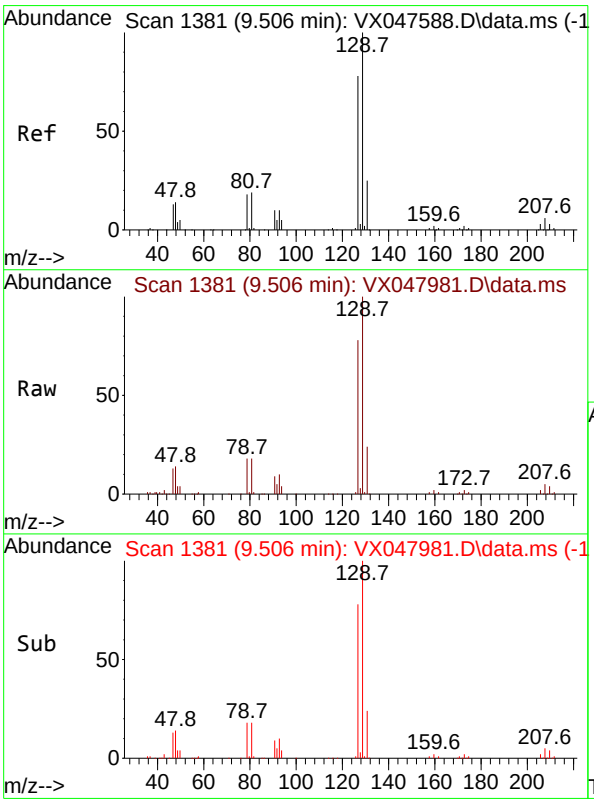
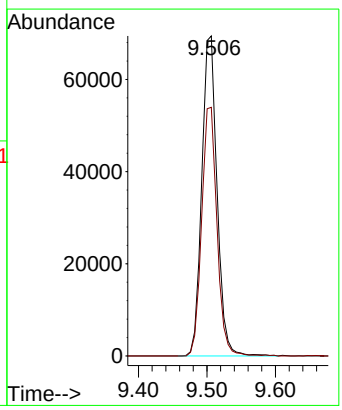


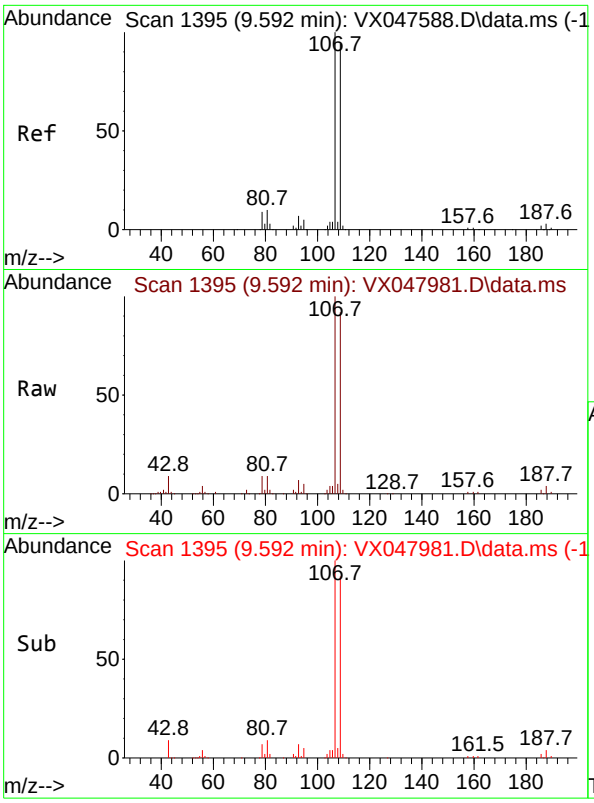


#60
Dibromochloromethane
Concen: 58.621 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:129 Resp: 107882

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2





#61
1,2-Dibromoethane
Concen: 56.633 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:107 Resp: 9213

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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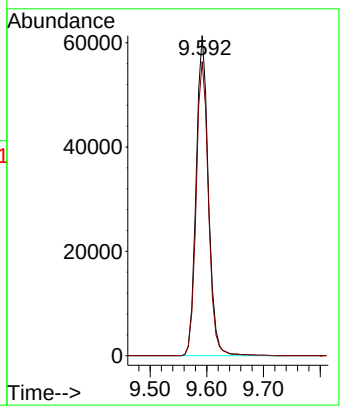
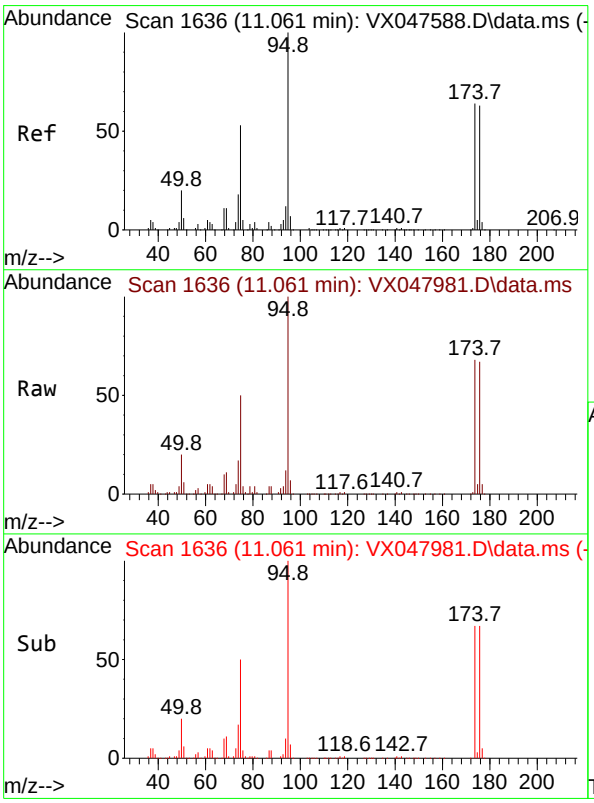
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

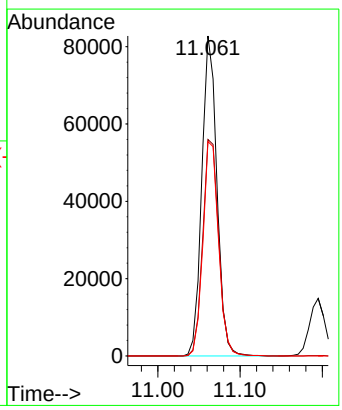


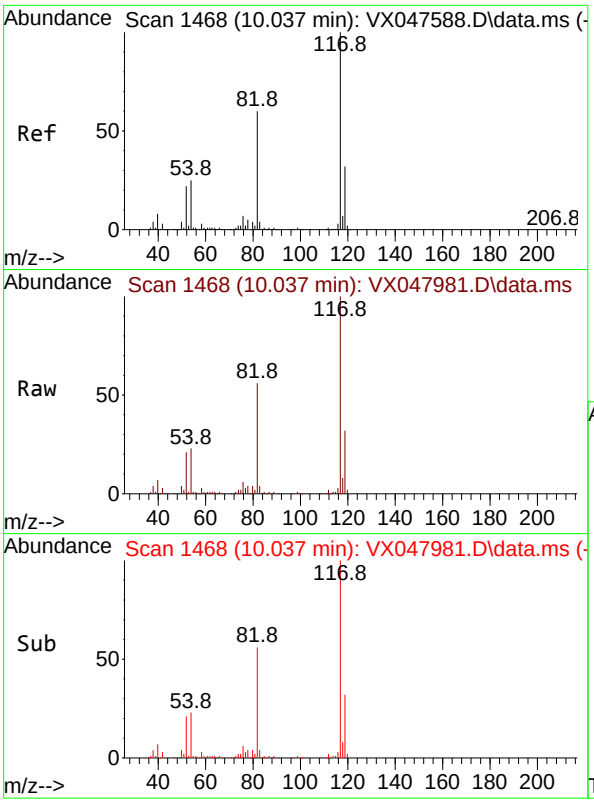


#62
4-Bromofluorobenzene
Concen: 53.105 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 95 Resp: 105643

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 20908

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.8	71.6
119	32.4	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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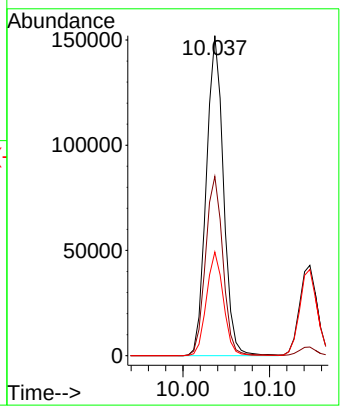
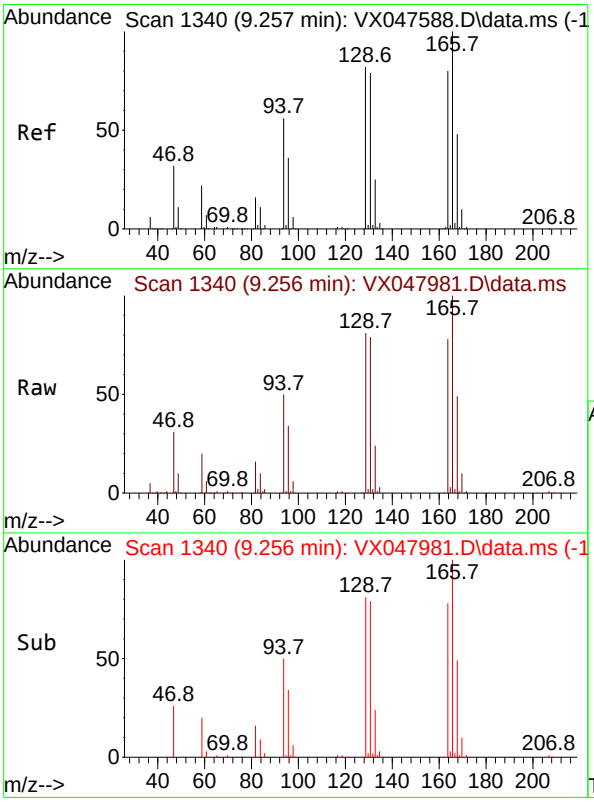
Supervised By :Semsettin Yesilyurt 10/06/2025

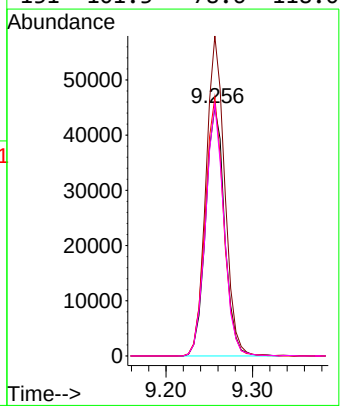


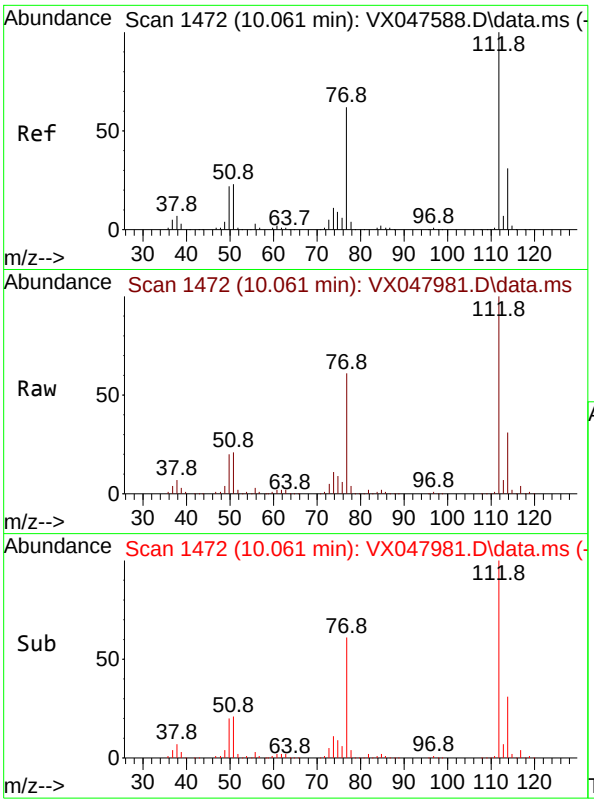


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:164 Resp: 68331

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.2	150.2
129	104.1	81.8	122.6
131	101.3	78.6	118.0

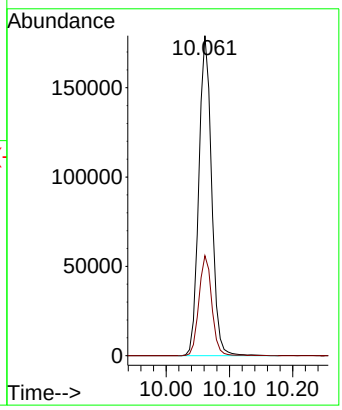




#65
Chlorobenzene
Concen: 53.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:112 Resp: 25202

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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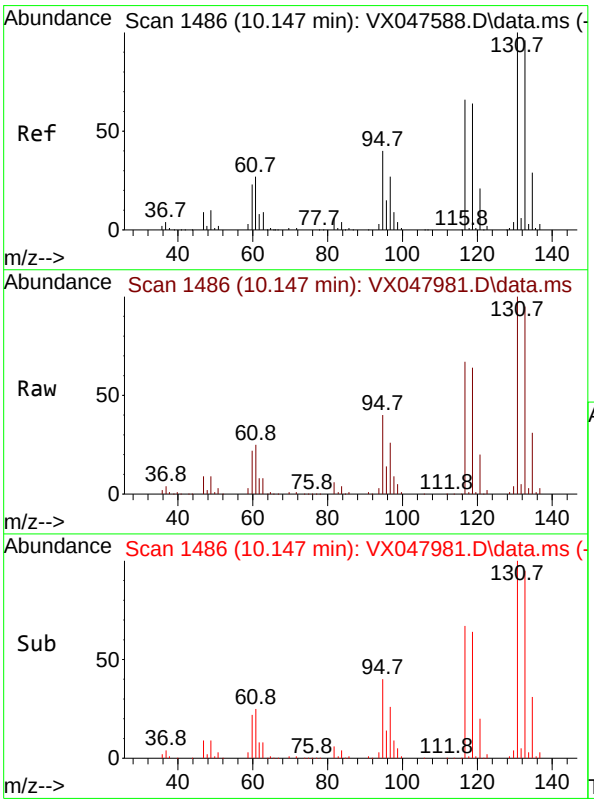
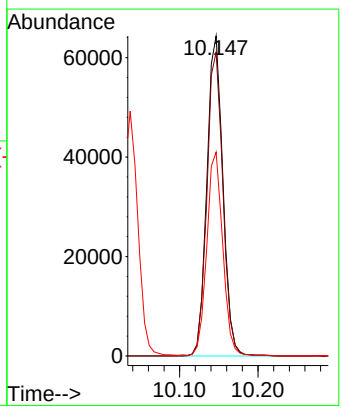
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

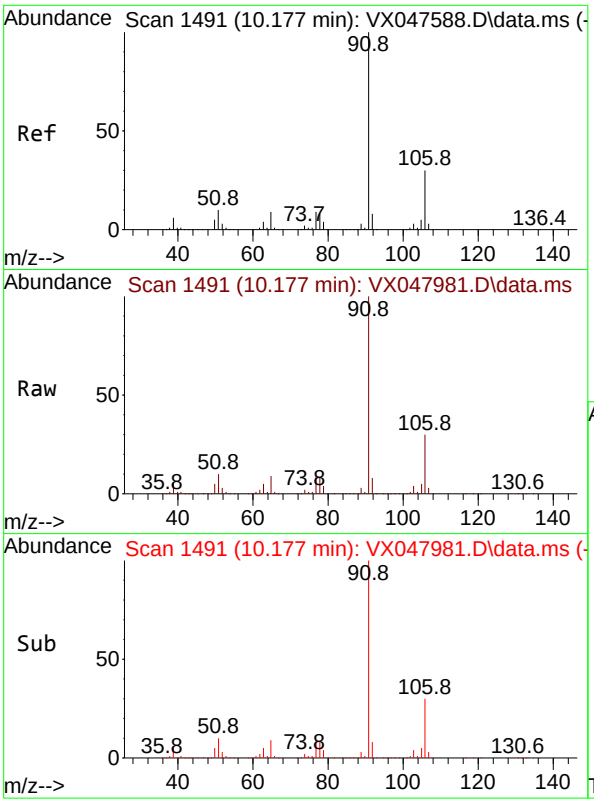


#66
1,1,1,2-Tetrachloroethane
Concen: 55.663 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:131 Resp: 91236

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	142.0
119	63.8	32.0	96.0

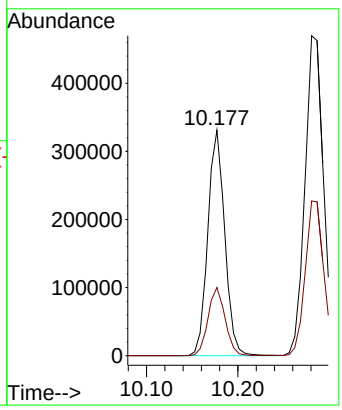




#67
Ethyl Benzene
Concen: 51.938 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 42567

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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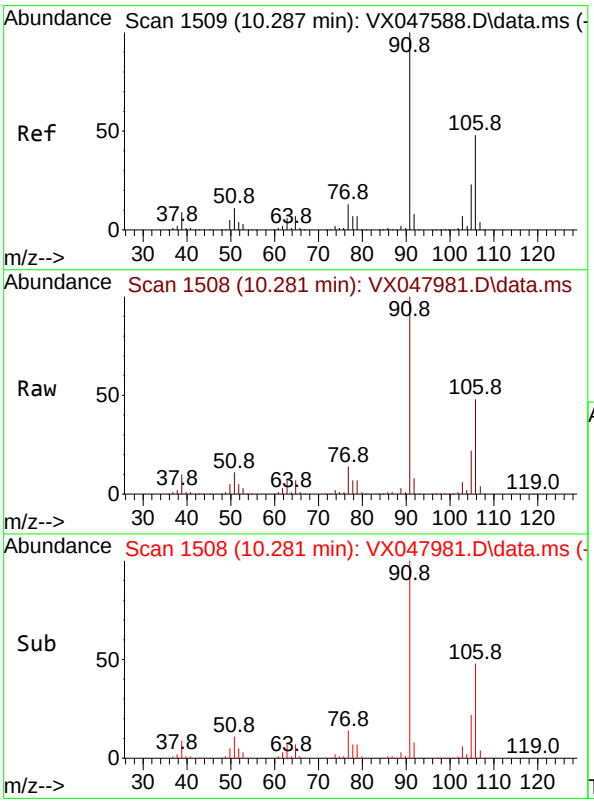
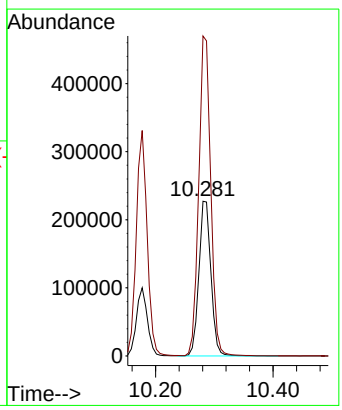
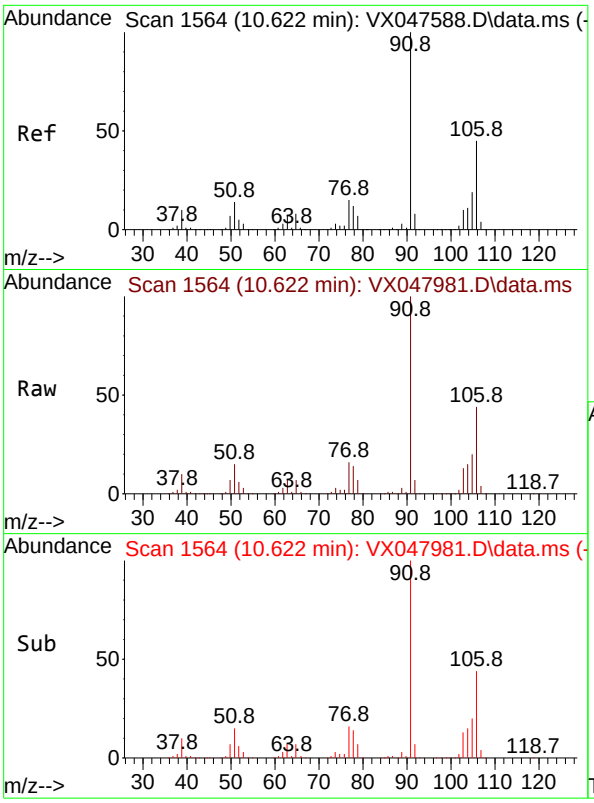


#68
m/p-Xylenes
Concen: 105.878 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:106 Resp: 322983

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.8	251.8

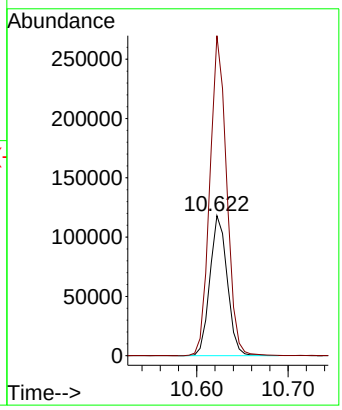




#69
o-Xylene
Concen: 52.537 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:106 Resp: 15501

Ion	Ratio	Lower	Upper
106	100		
91	222.1	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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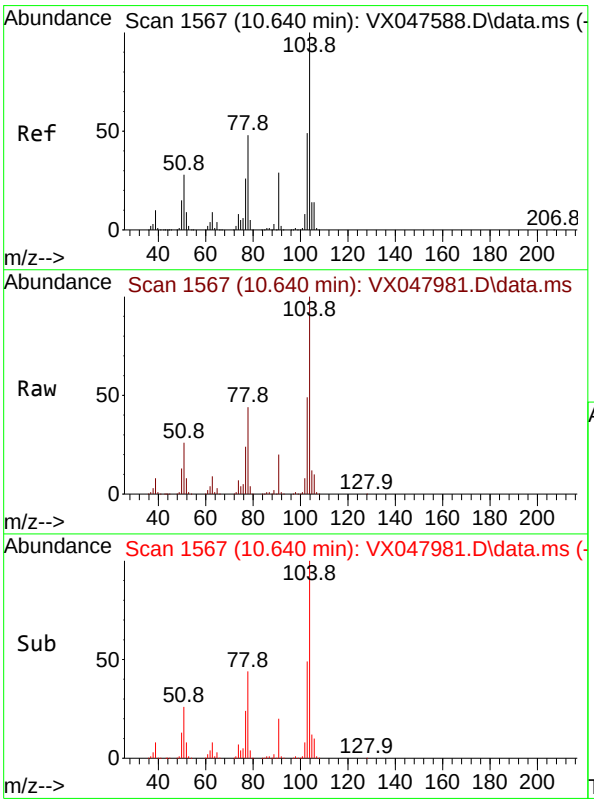
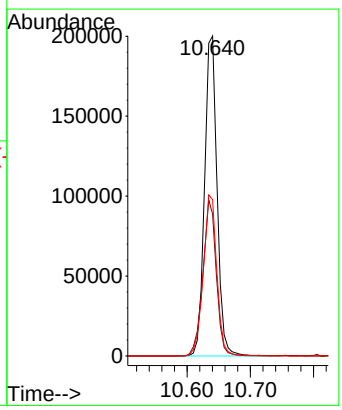
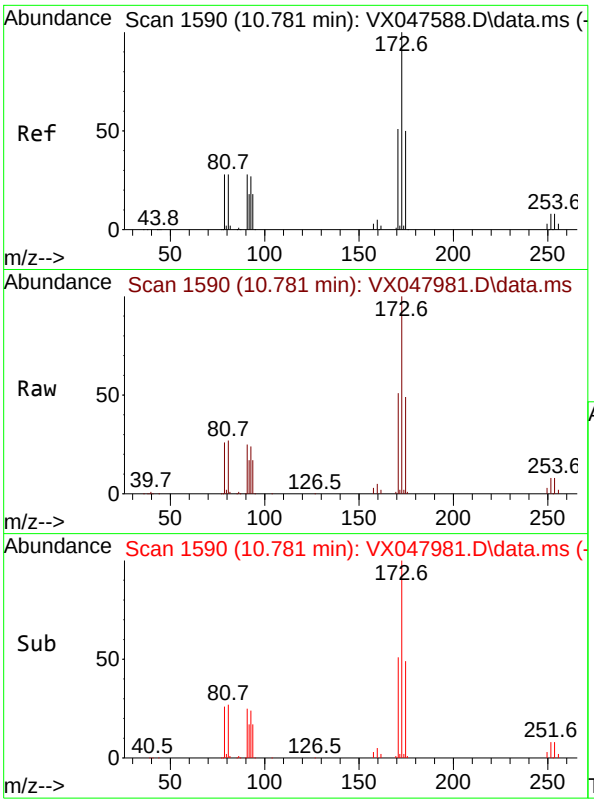


#70
Styrene
Concen: 53.373 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:104 Resp: 275937

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	54.5	43.1	64.7





#71
Bromoform
Concen: 53.681 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:173 Resp: 6570

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.6
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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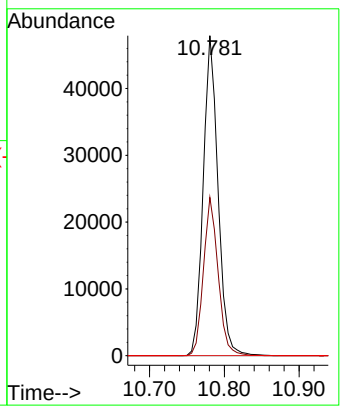
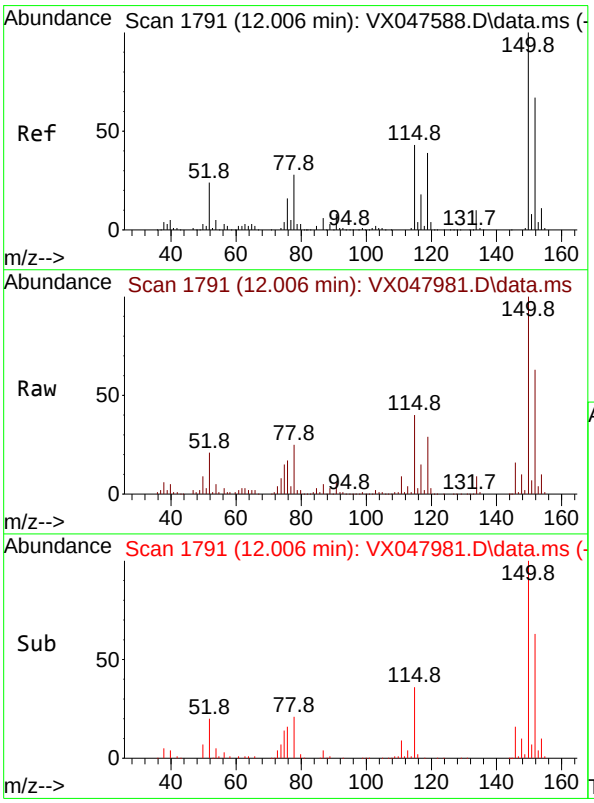
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

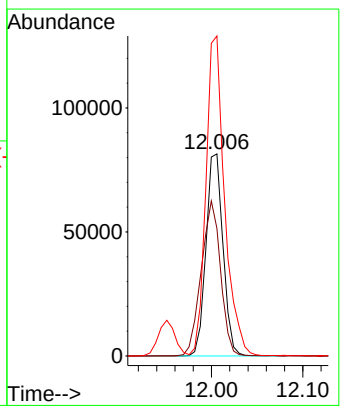


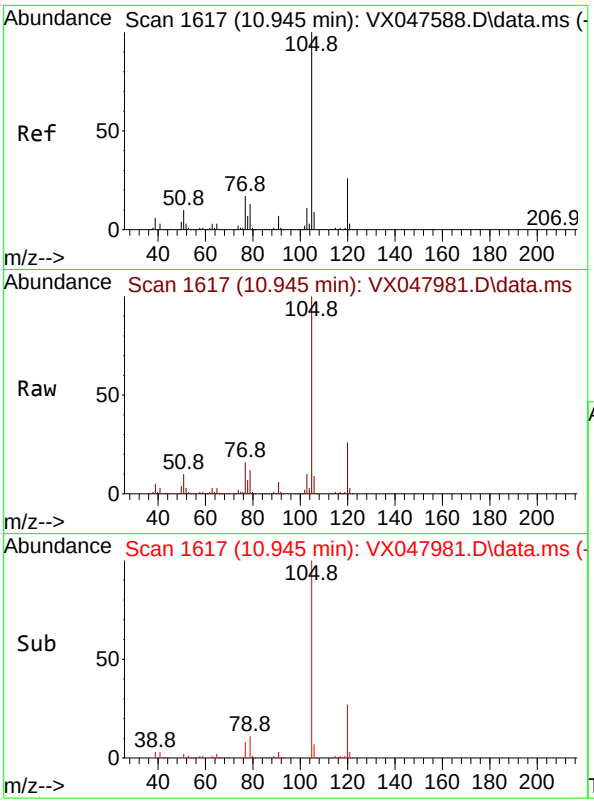


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:152 Resp: 105470

Ion	Ratio	Lower	Upper
152	100		
115	87.2	44.9	134.5
150	173.4	0.0	352.0

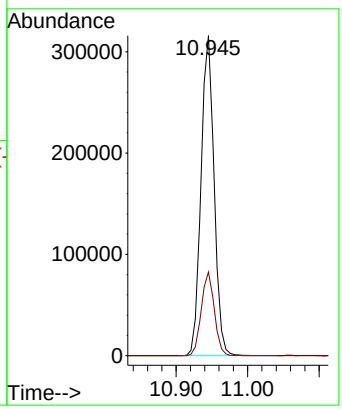




#73
Isopropylbenzene
Concen: 50.056 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 40137

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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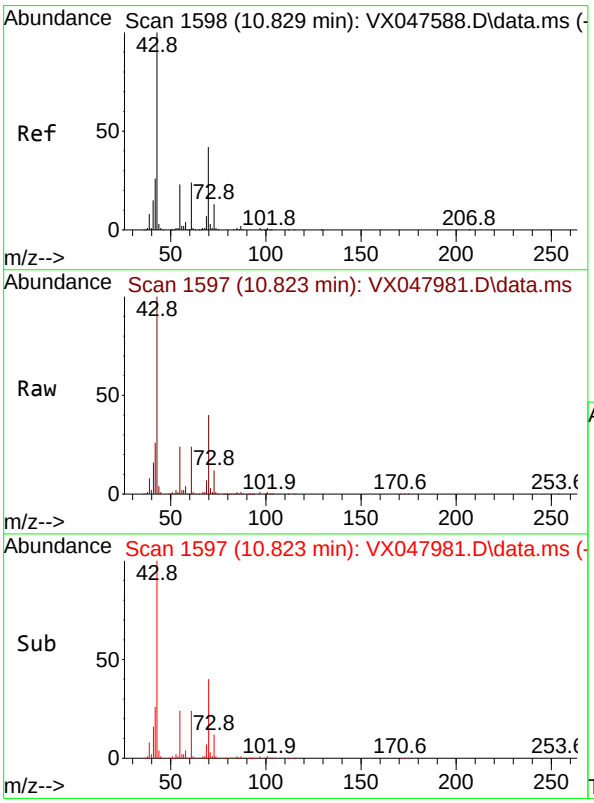
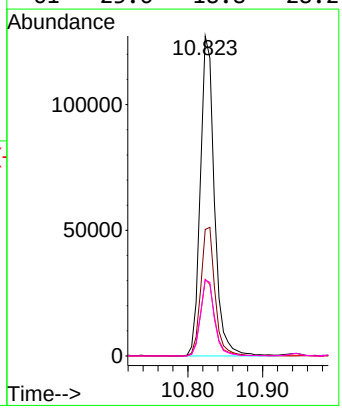
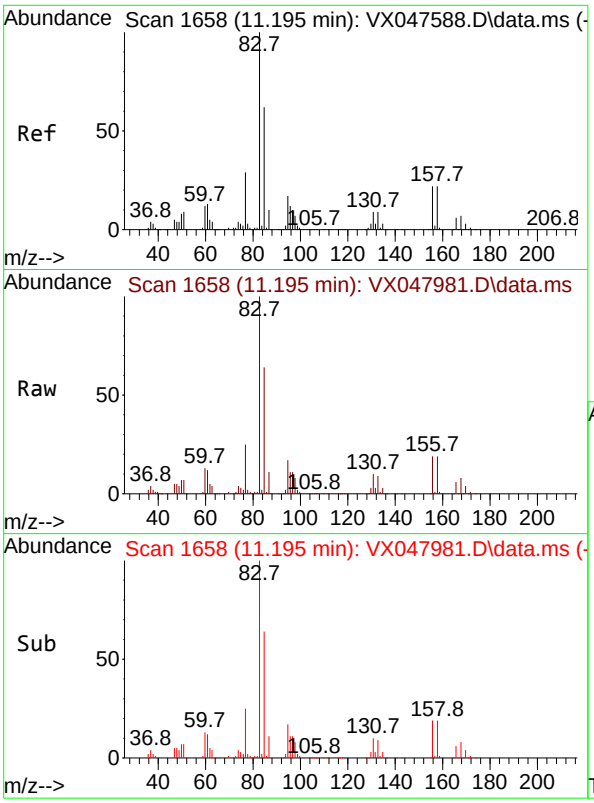


#74
N-amyl acetate
Concen: 45.625 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 166829

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.0	48.0
55	24.4	18.9	28.3
61	23.6	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 49.831 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 12089

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.0	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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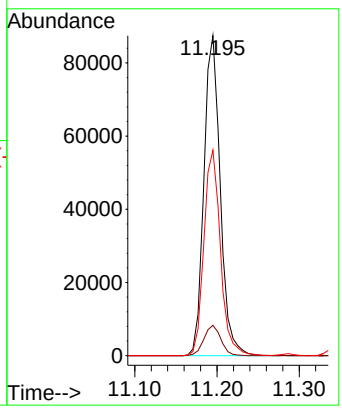
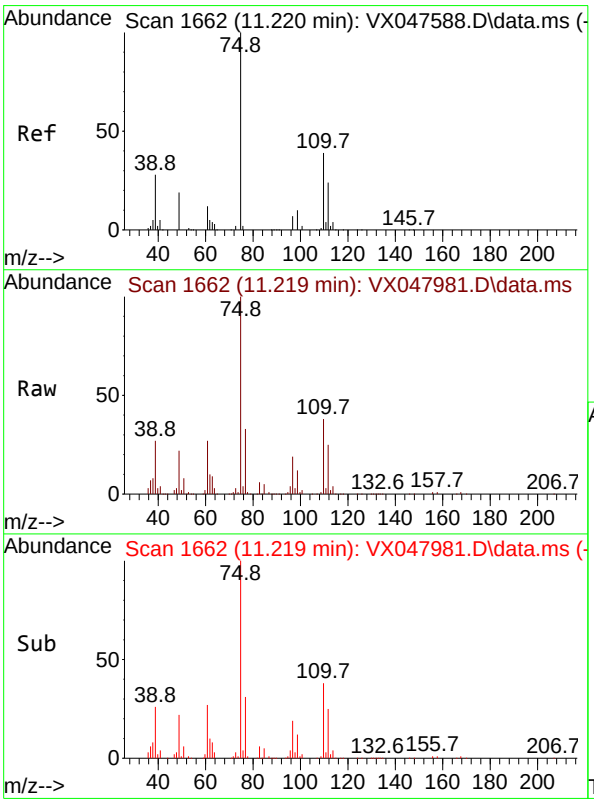
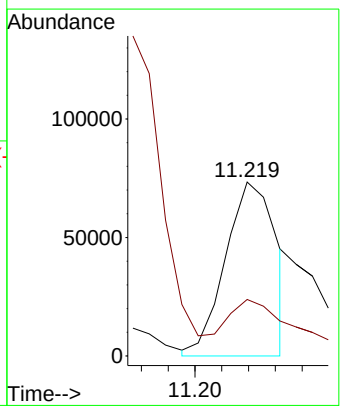


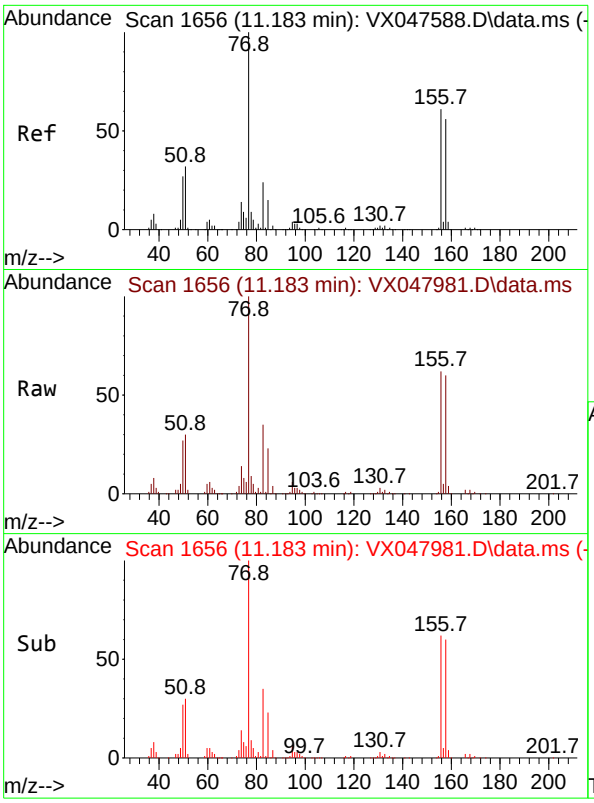


#76
1,2,3-Trichloropropane
Concen: 45.311 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 96759

Ion	Ratio	Lower	Upper
75	100		
77	44.9	18.8	56.4

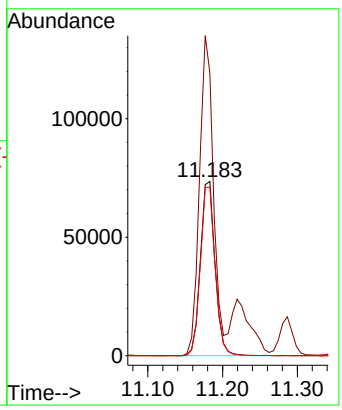




#77
Bromobenzene
Concen: 50.659 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:156 Resp: 10004

Ion	Ratio	Lower	Upper
156	100		
77	173.7	89.7	269.1
158	97.4	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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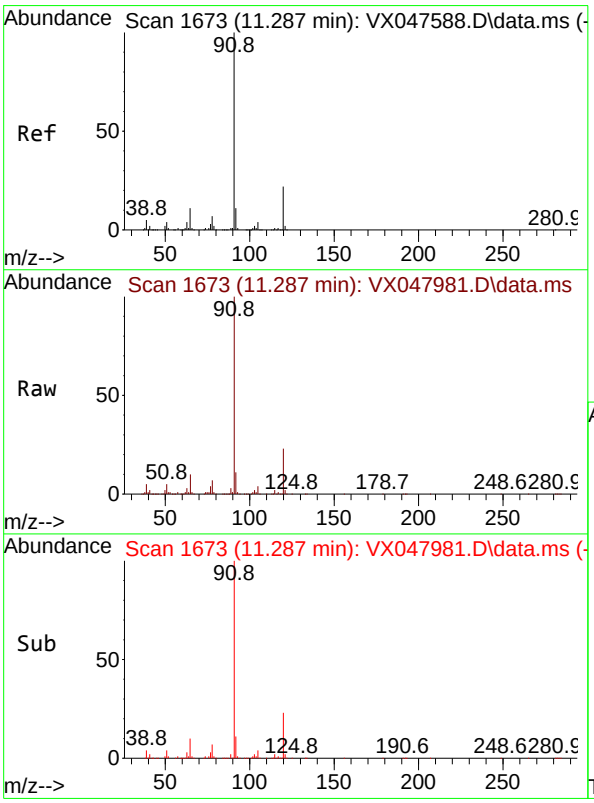
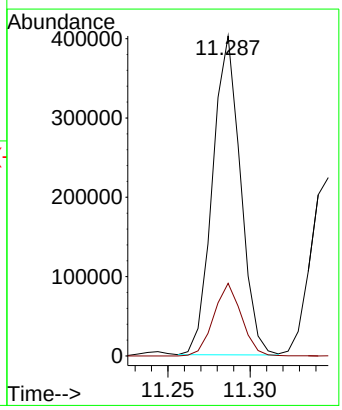
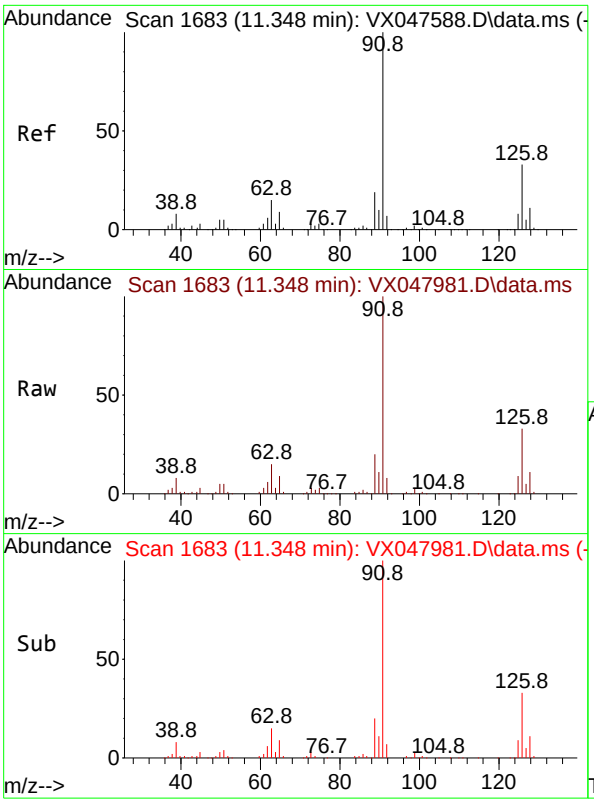


#78
n-propylbenzene
Concen: 50.135 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 475224

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.740 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 28877

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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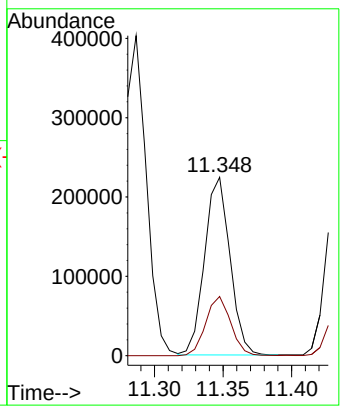
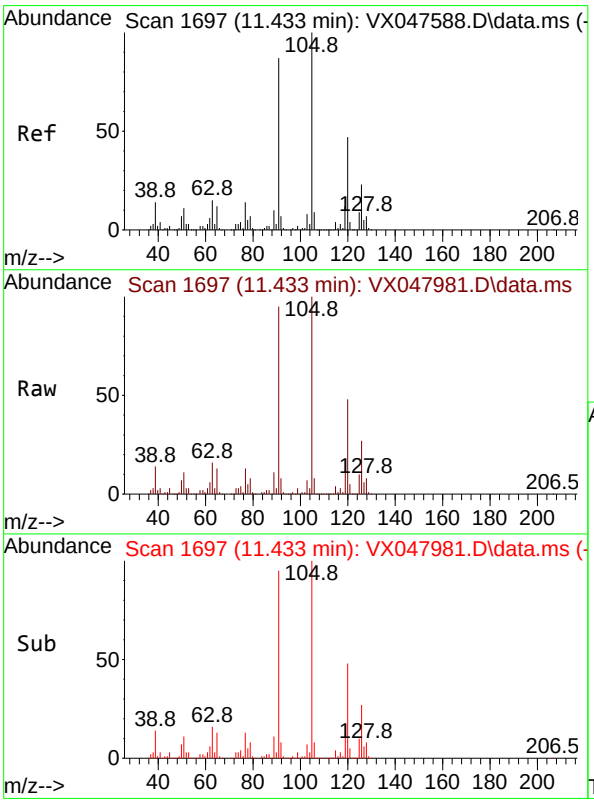
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

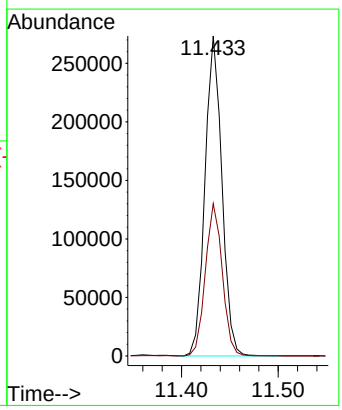


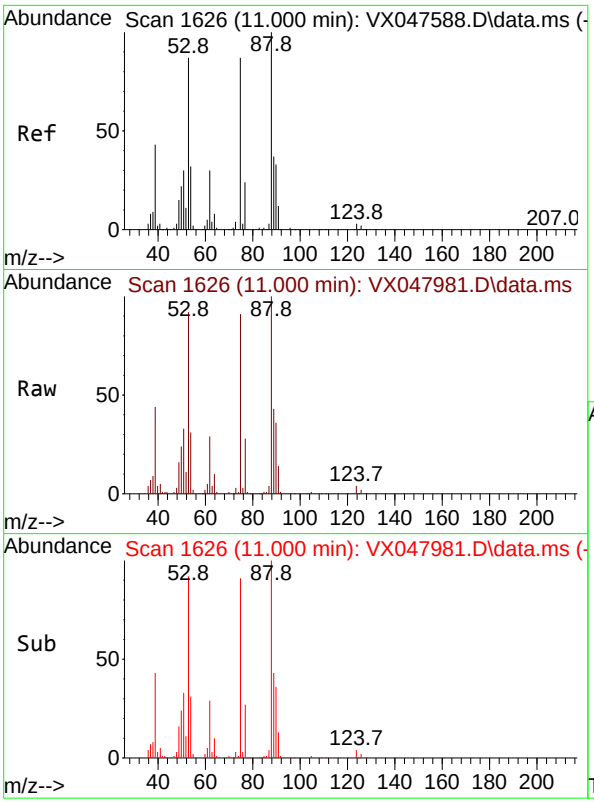


#80
1,3,5-Trimethylbenzene
Concen: 50.525 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 332856

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 45.767 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 3832

Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	47.0	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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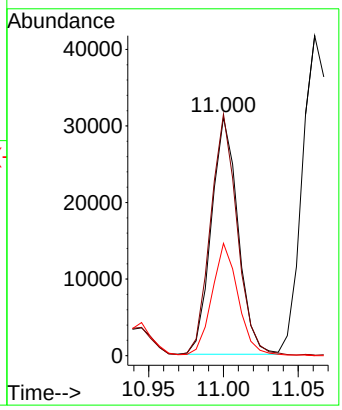
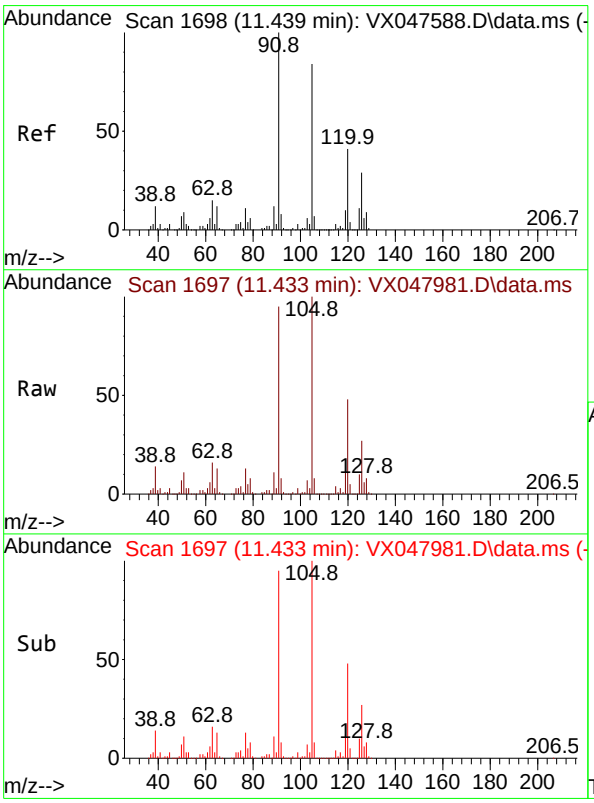
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

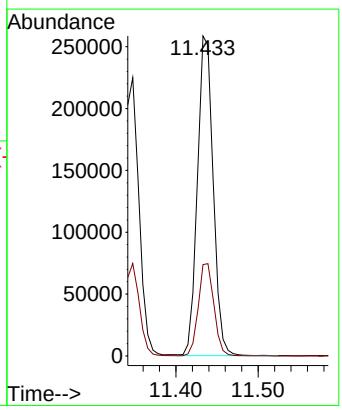


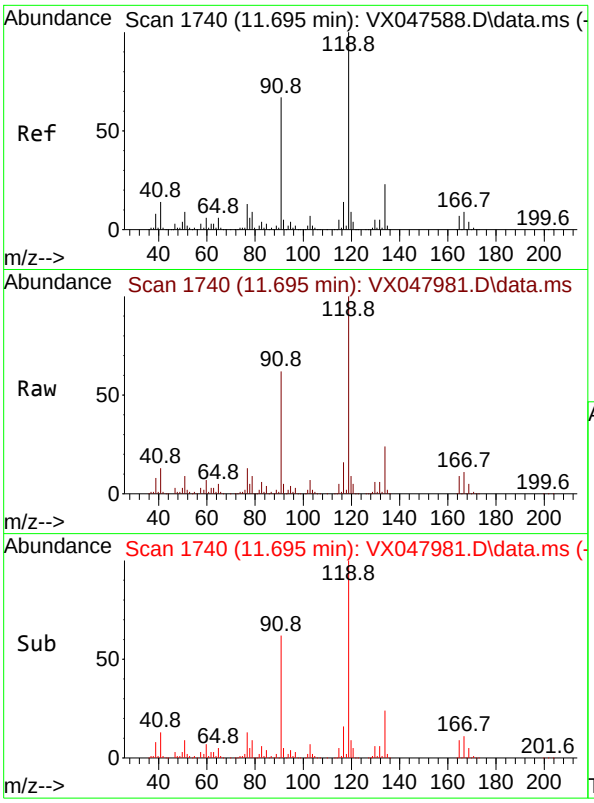


#82
4-Chlorotoluene
Concen: 50.228 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 344397

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

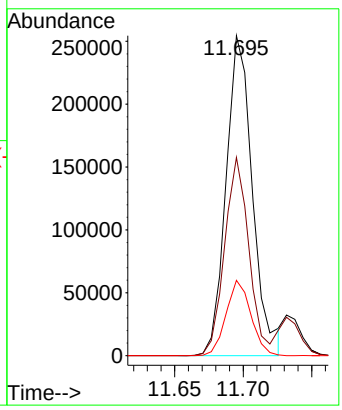




#83
tert-Butylbenzene
Concen: 50.571 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:119 Resp: 34104

Ion	Ratio	Lower	Upper
119	100		
91	57.1	29.6	88.8
134	22.2	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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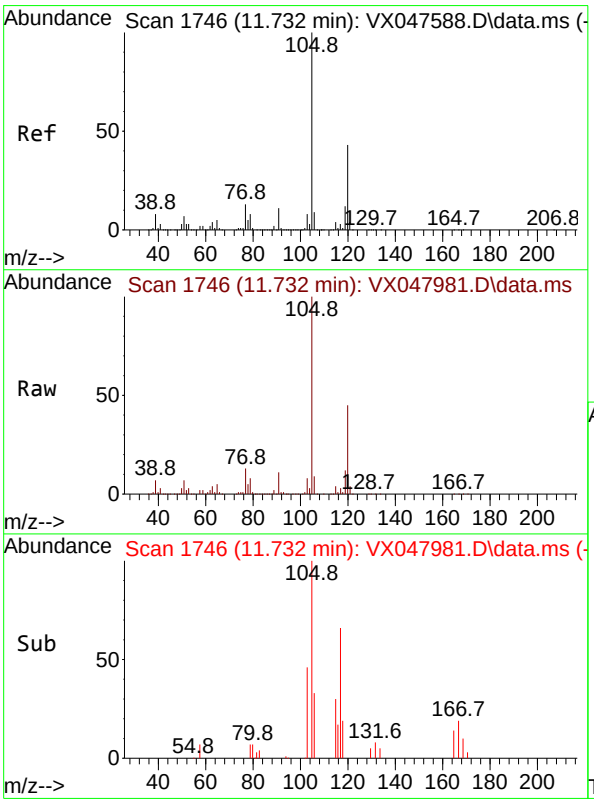
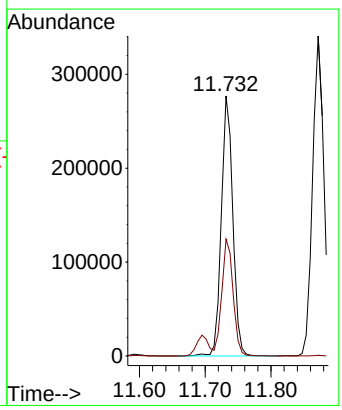
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

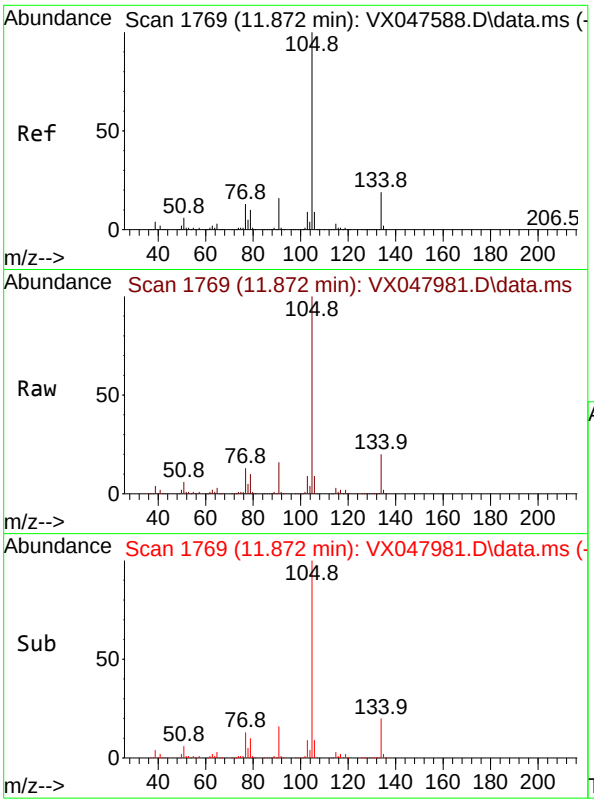


#84
1,2,4-Trimethylbenzene
Concen: 50.363 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 336380

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1

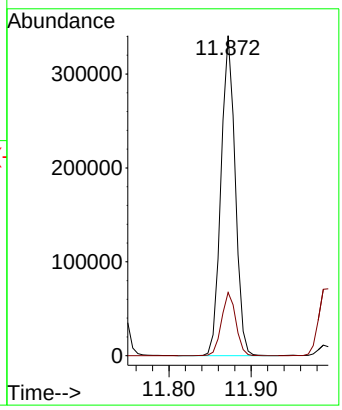




#85
sec-Butylbenzene
Concen: 51.049 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 40892

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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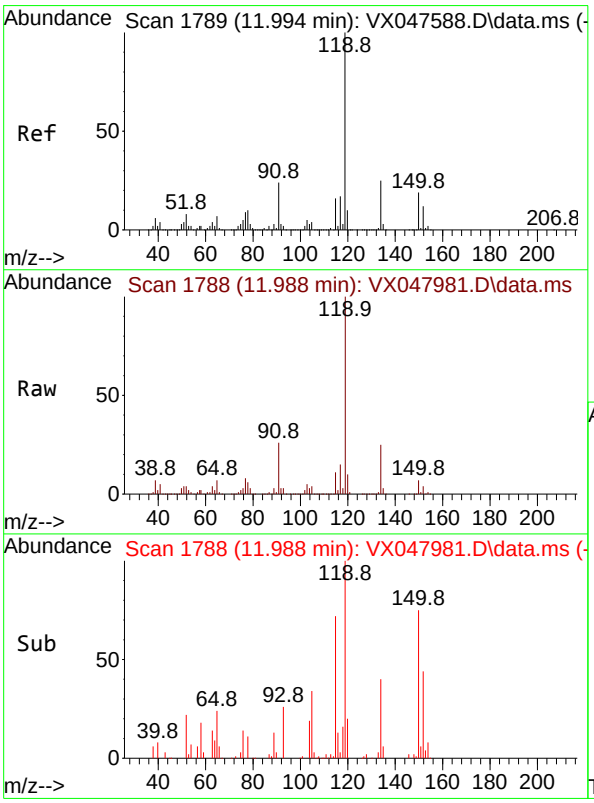
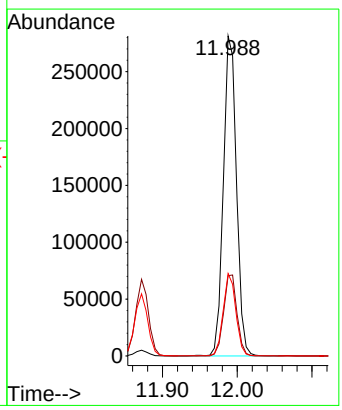
Supervised By :Semsettin Yesilyurt 10/06/2025

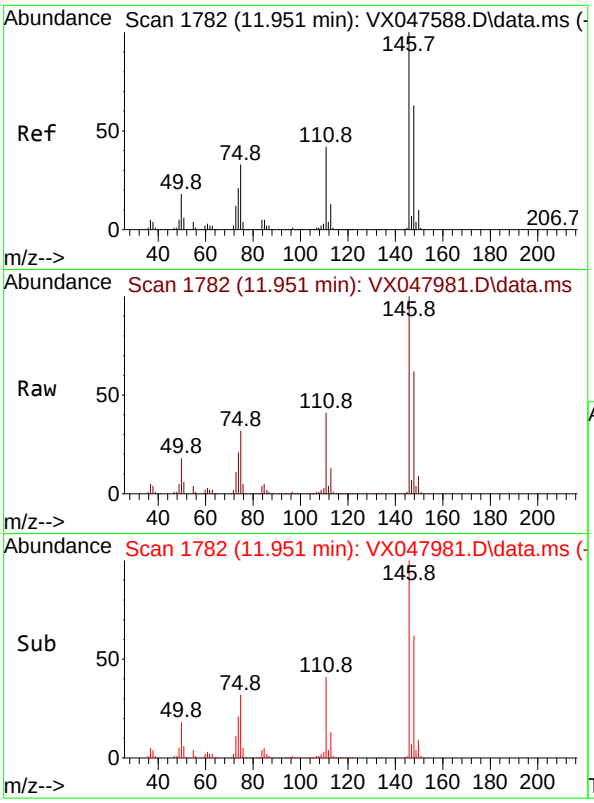


#86
p-Isopropyltoluene
Concen: 50.732 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:119 Resp: 344044

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.8	12.6	37.6

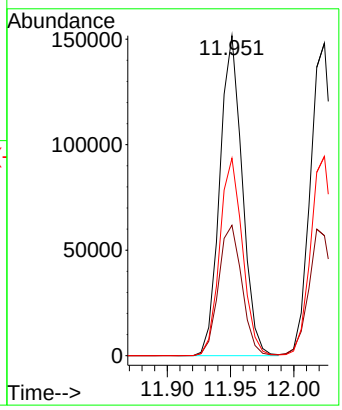




#87
1,3-Dichlorobenzene
Concen: 51.031 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 18719

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	62.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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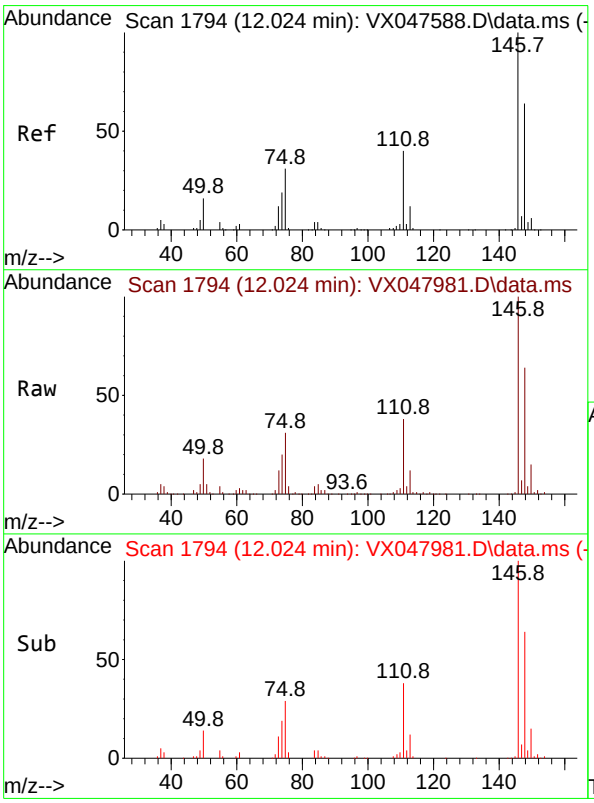
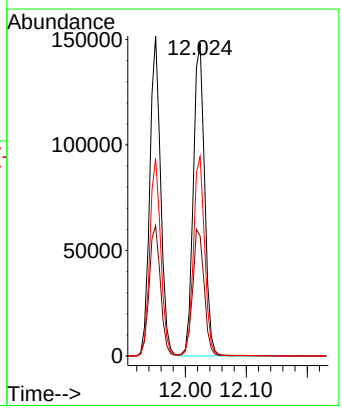
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

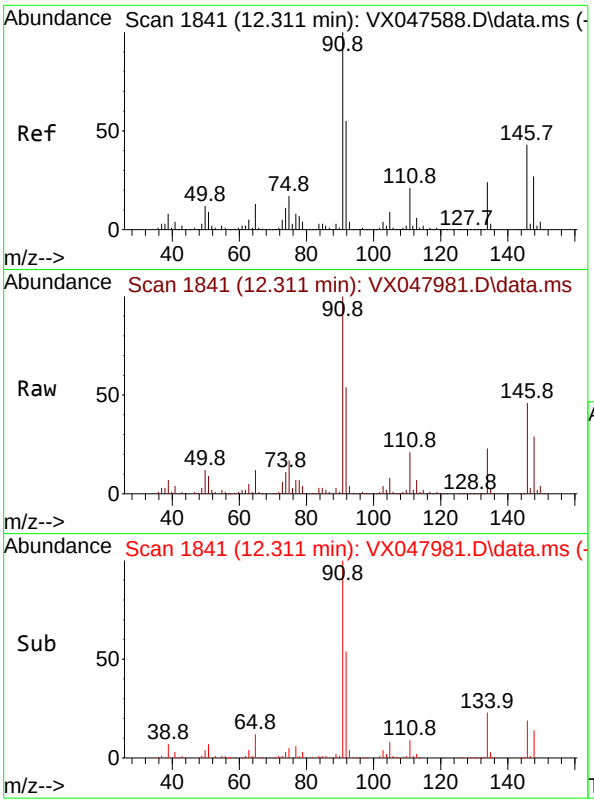


#88
1,4-Dichlorobenzene
Concen: 50.924 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 191722

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	62.7	31.7	95.1

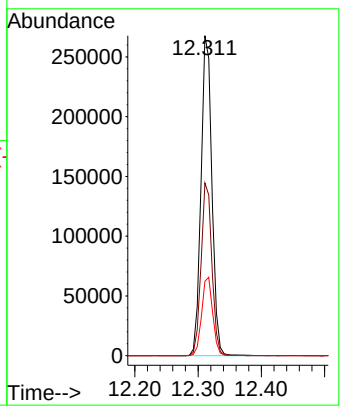




#89
n-Butylbenzene
Concen: 51.212 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 32135

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	24.8	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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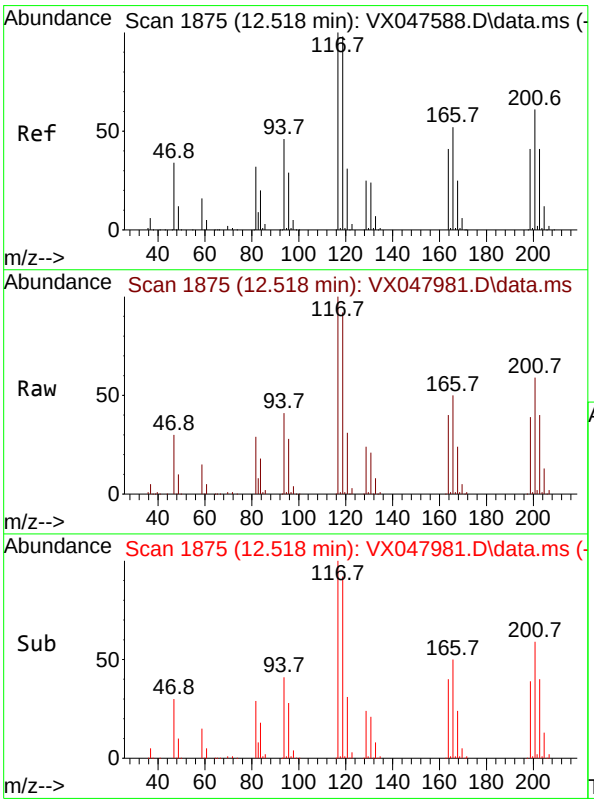
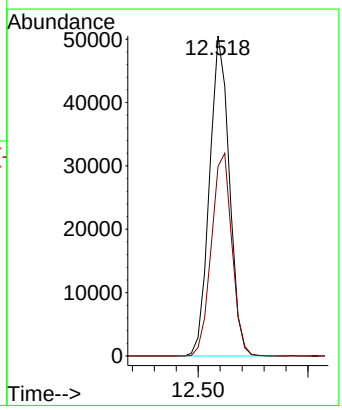
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

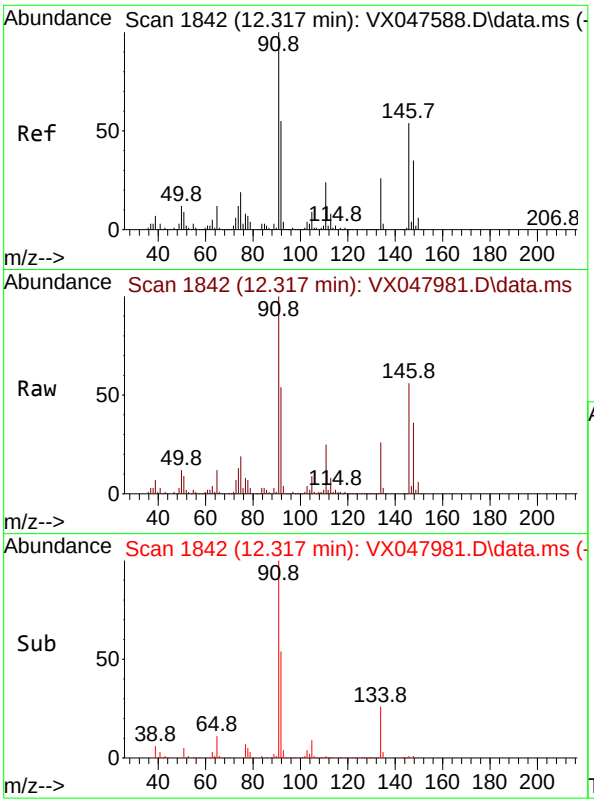


#90
Hexachloroethane
Concen: 53.310 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 63473

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5

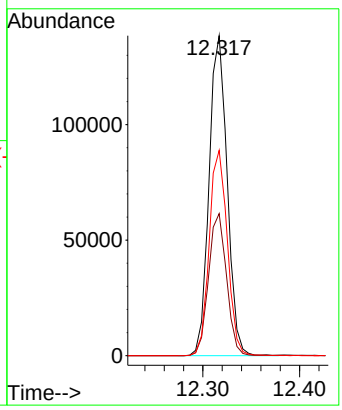




#91
1,2-Dichlorobenzene
Concen: 51.390 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 17959

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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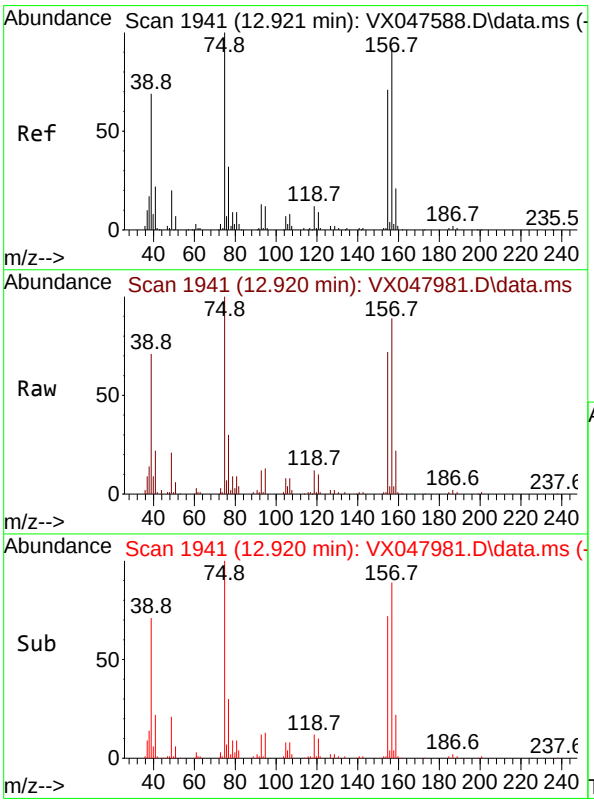
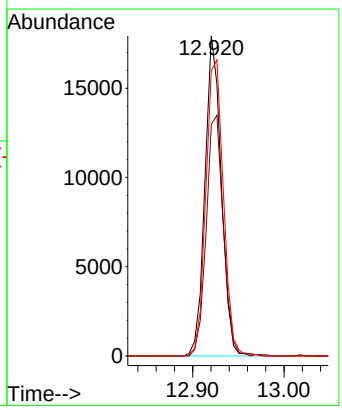
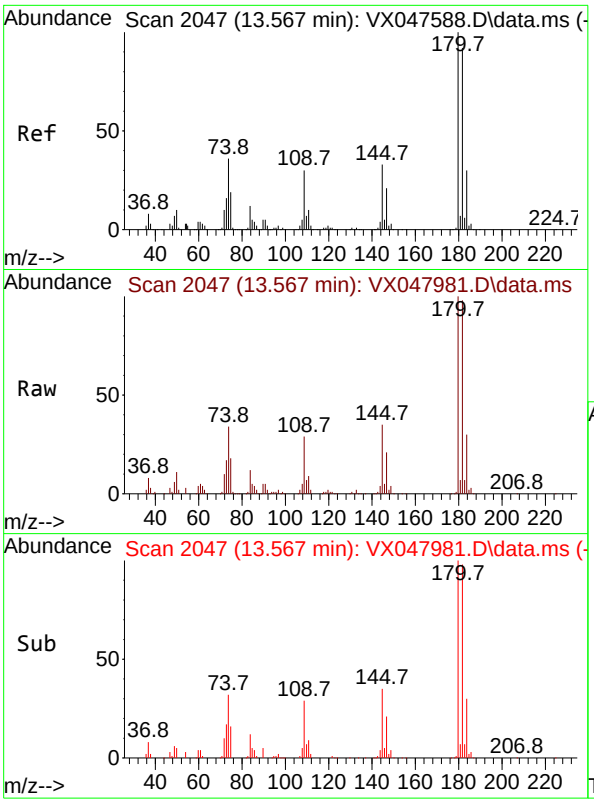


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.347 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 22273

Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.7	113.1
157	99.4	49.8	149.4

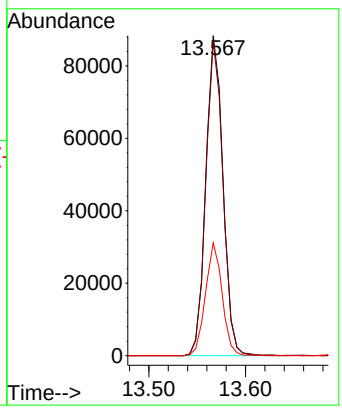




#93
1,2,4-Trichlorobenzene
Concen: 48.169 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:180 Resp: 10940

Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	34.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 10/06/2025
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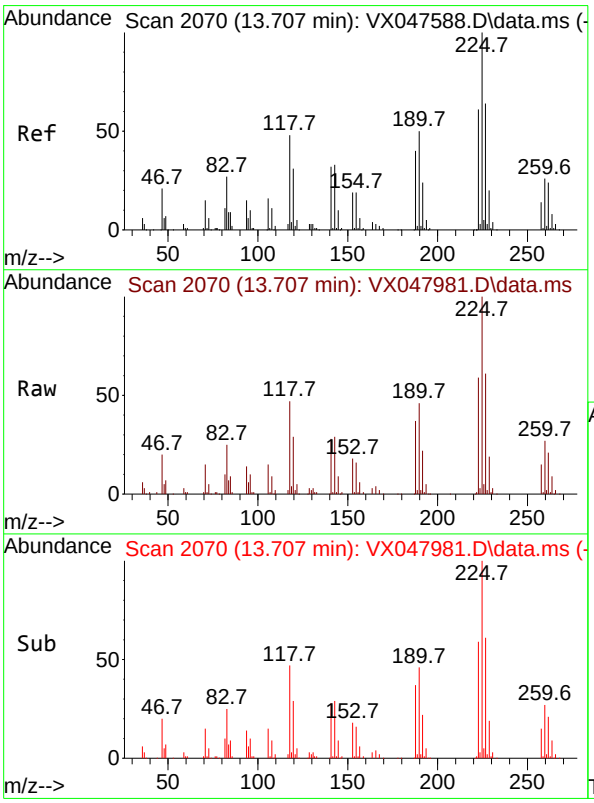
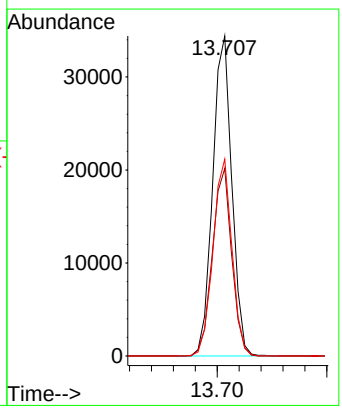
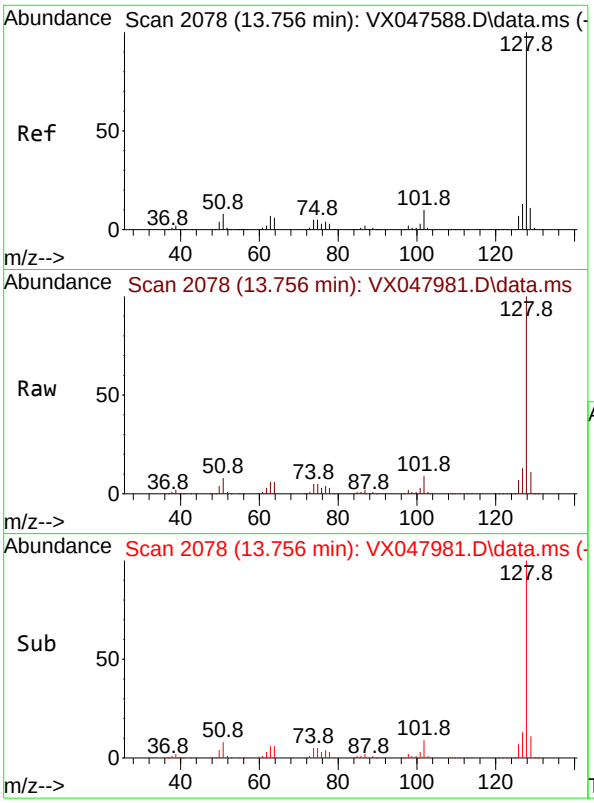


#94
Hexachlorobutadiene
Concen: 53.932 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:225 Resp: 41607

Ion	Ratio	Lower	Upper
225	100		
223	59.3	31.7	95.1
227	61.1	32.0	96.0

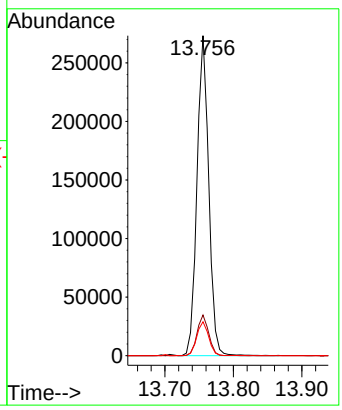




#95
Naphthalene
Concen: 47.116 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:128 Resp: 32586

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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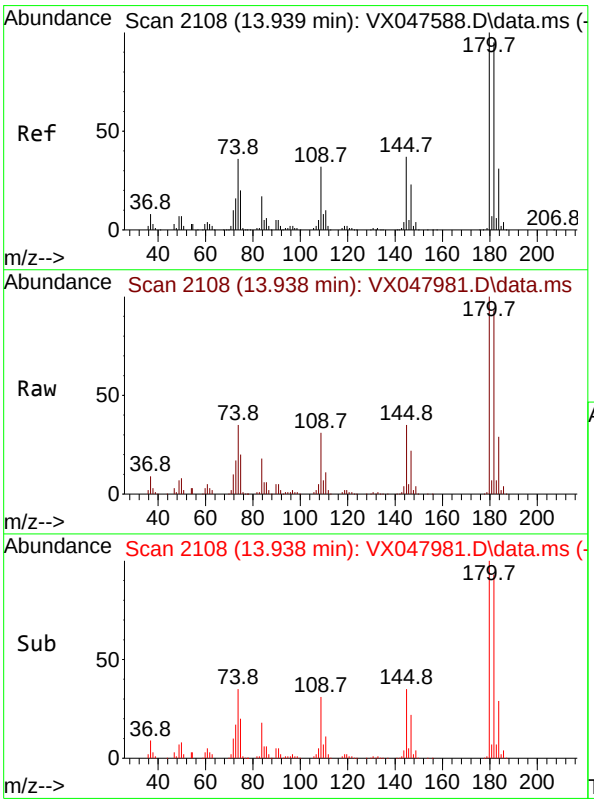
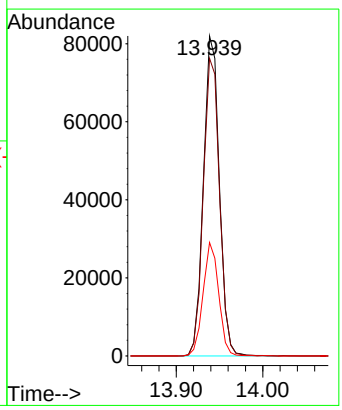


#96
1,2,3-Trichlorobenzene
Concen: 49.485 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:180 Resp: 104550

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	34.9	17.9	53.7



Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	76	-0.01
2	T	Dichlorodifluoromethane	0.518	0.577	-11.4	88	0.00
3	P	Chloromethane	0.680	0.659	3.1	76	0.00
4	C	Vinyl Chloride	0.666	0.682	-2.4#	79	0.00
5	T	Bromomethane	0.422	0.467	-10.7	84	0.00
6	T	Chloroethane	0.445	0.450	-1.1	77	0.00
7	T	Trichlorofluoromethane	0.989	1.066	-7.8	81	0.00
8	T	Diethyl Ether	0.405	0.423	-4.4	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.638	-10.4	83	0.00
10	T	Methyl Iodide	0.902	0.822	8.9	69	0.00
11	T	Tert butyl alcohol	0.089	0.076	14.6	64	0.00
12	CM	1,1-Dichloroethene	0.594	0.609	-2.5#	77	0.00
13	T	Acrolein	0.082	0.083	-1.2	77	0.00
14	T	Allyl chloride	1.226	1.181	3.7	74	0.00
15	T	Acrylonitrile	0.328	0.334	-1.8	73	-0.01
16	T	Acetone	0.346	0.321	7.2	77	0.00
17	T	Carbon Disulfide	1.626	1.511	7.1	73	0.00
18	T	Methyl Acetate	0.770	0.839	-9.0	73	0.00
19	T	Methyl tert-butyl Ether	2.169	2.219	-2.3	75	0.00
20	T	Methylene Chloride	0.732	0.762	-4.1	79	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.654	-2.2	77	0.00
22	T	Diisopropyl ether	2.376	2.556	-7.6	79	-0.01
23	T	Vinyl Acetate	1.901	1.963	-3.3	75	0.00
24	P	1,1-Dichloroethane	1.263	1.326	-5.0	78	0.00
25	T	2-Butanone	0.432	0.408	5.6	71	0.00
26	T	2,2-Dichloropropane	1.050	1.071	-2.0	76	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.827	-5.6	78	0.00
28	T	Bromochloromethane	0.551	0.591	-7.3	78	-0.01
29	T	Tetrahydrofuran	0.260	0.244	6.2	68	-0.01
30	C	Chloroform	1.276	1.385	-8.5#	80	0.00
31	T	Cyclohexane	1.052	1.024	2.7	76	0.00
32	T	1,1,1-Trichloroethane	1.082	1.140	-5.4	77	-0.01
33	S	1,2-Dichloroethane-d4	0.796	0.797	-0.1	79	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
35	S	Dibromofluoromethane	0.335	0.365	-9.0	81	0.00
36	T	1,1-Dichloropropene	0.490	0.498	-1.6	75	0.00
37	T	Ethyl Acetate	0.525	0.508	3.2	70	0.00
38	T	Carbon Tetrachloride	0.532	0.565	-6.2	77	-0.01
39	T	Methylcyclohexane	0.556	0.571	-2.7	74	0.00
40	TM	Benzene	1.488	1.585	-6.5	76	0.00
41	T	Methacrylonitrile	0.271	0.291	-7.4	75	-0.01
42	TM	1,2-Dichloroethane	0.566	0.610	-7.8	77	0.00
43	T	Isopropyl Acetate	0.860	0.849	1.3	70	0.00
44	TM	Trichloroethene	0.360	0.385	-6.9	76	0.00
45	C	1,2-Dichloropropane	0.381	0.426	-11.8#	79	0.00
46	T	Dibromomethane	0.277	0.304	-9.7	77	0.00
47	T	Bromodichloromethane	0.572	0.655	-14.5	79	0.00
48	T	Methyl methacrylate	0.429	0.430	-0.2	70	0.00

Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	73	0.00
50	S	Toluene-d8	1.160	1.215	-4.7	78	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.481	-0.8	69	0.00
52	CM	Toluene	0.917	0.989	-7.9#	77	0.00
53	T	t-1,3-Dichloropropene	0.584	0.657	-12.5	78	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.698	-11.9	78	0.00
55	T	1,1,2-Trichloroethane	0.354	0.398	-12.4	80	0.00
56	T	Ethyl methacrylate	0.555	0.593	-6.8	73	0.00
57	T	1,3-Dichloropropane	0.607	0.685	-12.9	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.313	-37.9#	84	0.00
59	T	2-Hexanone	0.343	0.334	2.6	68	0.00
60	T	Dibromochloromethane	0.407	0.478	-17.4	81	0.00
61	T	1,2-Dibromoethane	0.360	0.408	-13.3	79	0.00
62	S	4-Bromofluorobenzene	0.440	0.468	-6.4	81	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64	T	Tetrachloroethene	0.326	0.327	-0.3	78	0.00
65	PM	Chlorobenzene	1.136	1.205	-6.1	79	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.436	-11.2	82	0.00
67	C	Ethyl Benzene	1.960	2.036	-3.9#	77	0.00
68	T	m/p-Xylenes	0.729	0.772	-5.9	78	0.00
69	T	o-Xylene	0.706	0.741	-5.0	77	0.00
70	T	Styrene	1.236	1.320	-6.8	79	0.00
71	P	Bromoform	0.293	0.314	-7.2	78	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	3.801	3.806	-0.1	78	0.00
74	T	N-amyl acetate	1.733	1.582	8.7	70	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	77	0.00
76	T	1,2,3-Trichloropropane	1.012	0.917	9.4	67	0.00
77	T	Bromobenzene	0.936	0.949	-1.4	79	0.00
78	T	n-propylbenzene	4.494	4.506	-0.3	78	0.00
79	T	2-Chlorotoluene	2.752	2.738	0.5	78	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.156	-1.1	78	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.363	8.6	72	0.00
82	T	4-Chlorotoluene	3.251	3.265	-0.4	79	0.00
83	T	tert-Butylbenzene	3.197	3.234	-1.2	79	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.189	-0.7	79	0.00
85	T	sec-Butylbenzene	3.797	3.877	-2.1	79	0.00
86	T	p-Isopropyltoluene	3.215	3.262	-1.5	79	0.00
87	T	1,3-Dichlorobenzene	1.739	1.775	-2.1	81	0.00
88	T	1,4-Dichlorobenzene	1.785	1.818	-1.8	82	0.00
89	T	n-Butylbenzene	2.975	3.047	-2.4	80	0.00
90	T	Hexachloroethane	0.564	0.602	-6.7	84	0.00
91	T	1,2-Dichlorobenzene	1.657	1.703	-2.8	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.211	9.4	69	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.037	3.7	74	0.00
94	T	Hexachlorobutadiene	0.366	0.394	-7.7	85	0.00
95	T	Naphthalene	3.279	3.090	5.8	72	0.00

Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.991	1.1	75	0.00

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

Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	76	-0.01
2	T	Dichlorodifluoromethane	50.000	55.688	-11.4	88	0.00
3	P	Chloromethane	50.000	48.451	3.1	76	0.00
4	C	Vinyl Chloride	50.000	51.226	-2.5#	79	0.00
5	T	Bromomethane	50.000	55.285	-10.6	84	0.00
6	T	Chloroethane	50.000	50.536	-1.1	77	0.00
7	T	Trichlorofluoromethane	50.000	53.876	-7.8	81	0.00
8	T	Diethyl Ether	50.000	52.326	-4.7	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.140	-10.3	83	0.00
10	T	Methyl Iodide	50.000	45.574	8.9	69	0.00
11	T	Tert butyl alcohol	250.000	212.945	14.8	64	0.00
12	CM	1,1-Dichloroethene	50.000	51.300	-2.6#	77	0.00
13	T	Acrolein	250.000	252.910	-1.2	77	0.00
14	T	Allyl chloride	50.000	48.170	3.7	74	0.00
15	T	Acrylonitrile	250.000	254.160	-1.7	73	-0.01
16	T	Acetone	250.000	232.196	7.1	77	0.00
17	T	Carbon Disulfide	50.000	46.455	7.1	73	0.00
18	T	Methyl Acetate	50.000	54.445	-8.9	73	0.00
19	T	Methyl tert-butyl Ether	50.000	51.168	-2.3	75	0.00
20	T	Methylene Chloride	50.000	51.991	-4.0	79	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.136	-2.3	77	0.00
22	T	Diisopropyl ether	50.000	53.792	-7.6	79	-0.01
23	T	Vinyl Acetate	250.000	258.092	-3.2	75	0.00
24	P	1,1-Dichloroethane	50.000	52.515	-5.0	78	0.00
25	T	2-Butanone	250.000	236.489	5.4	71	0.00
26	T	2,2-Dichloropropane	50.000	51.006	-2.0	76	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.794	-5.6	78	0.00
28	T	Bromochloromethane	50.000	53.648	-7.3	78	-0.01
29	T	Tetrahydrofuran	250.000	235.207	5.9	68	-0.01
30	C	Chloroform	50.000	54.270	-8.5#	80	0.00
31	T	Cyclohexane	50.000	48.665	2.7	76	0.00
32	T	1,1,1-Trichloroethane	50.000	52.659	-5.3	77	-0.01
33	S	1,2-Dichloroethane-d4	50.000	50.073	-0.1	79	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	73	0.00
35	S	Dibromofluoromethane	50.000	54.487	-9.0	81	0.00
36	T	1,1-Dichloropropene	50.000	50.861	-1.7	75	0.00
37	T	Ethyl Acetate	50.000	48.424	3.2	70	0.00
38	T	Carbon Tetrachloride	50.000	53.085	-6.2	77	-0.01
39	T	Methylcyclohexane	50.000	51.374	-2.7	74	0.00
40	TM	Benzene	50.000	53.235	-6.5	76	0.00
41	T	Methacrylonitrile	50.000	53.653	-7.3	75	-0.01
42	TM	1,2-Dichloroethane	50.000	53.871	-7.7	77	0.00
43	T	Isopropyl Acetate	50.000	49.355	1.3	70	0.00
44	TM	Trichloroethene	50.000	53.434	-6.9	76	0.00
45	C	1,2-Dichloropropane	50.000	55.851	-11.7#	79	0.00
46	T	Dibromomethane	50.000	54.722	-9.4	77	0.00
47	T	Bromodichloromethane	50.000	57.255	-14.5	79	0.00
48	T	Methyl methacrylate	50.000	50.106	-0.2	70	0.00

Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1102.746	-10.3	73	0.00
50	S	Toluene-d8	50.000	52.341	-4.7	78	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.926	-0.8	69	0.00
52	CM	Toluene	50.000	53.932	-7.9#	77	0.00
53	T	t-1,3-Dichloropropene	50.000	56.258	-12.5	78	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.904	-11.8	78	0.00
55	T	1,1,2-Trichloroethane	50.000	56.261	-12.5	80	0.00
56	T	Ethyl methacrylate	50.000	53.383	-6.8	73	0.00
57	T	1,3-Dichloropropane	50.000	56.403	-12.8	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.841	-16.7	84	0.00
59	T	2-Hexanone	250.000	243.952	2.4	68	0.00
60	T	Dibromochloromethane	50.000	58.621	-17.2	81	0.00
61	T	1,2-Dibromoethane	50.000	56.633	-13.3	79	0.00
62	S	4-Bromofluorobenzene	50.000	53.105	-6.2	81	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64	T	Tetrachloroethene	50.000	50.133	-0.3	78	0.00
65	PM	Chlorobenzene	50.000	53.058	-6.1	79	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.663	-11.3	82	0.00
67	C	Ethyl Benzene	50.000	51.938	-3.9#	77	0.00
68	T	m/p-Xylenes	100.000	105.878	-5.9	78	0.00
69	T	o-Xylene	50.000	52.537	-5.1	77	0.00
70	T	Styrene	50.000	53.373	-6.7	79	0.00
71	P	Bromoform	50.000	53.681	-7.4	78	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	50.056	-0.1	78	0.00
74	T	N-amyl acetate	50.000	45.625	8.8	70	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.831	0.3	77	0.00
76	T	1,2,3-Trichloropropane	50.000	45.311	9.4	67	0.00
77	T	Bromobenzene	50.000	50.659	-1.3	79	0.00
78	T	n-propylbenzene	50.000	50.135	-0.3	78	0.00
79	T	2-Chlorotoluene	50.000	49.740	0.5	78	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.525	-1.0	78	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.767	8.5	72	0.00
82	T	4-Chlorotoluene	50.000	50.228	-0.5	79	0.00
83	T	tert-Butylbenzene	50.000	50.571	-1.1	79	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.363	-0.7	79	0.00
85	T	sec-Butylbenzene	50.000	51.049	-2.1	79	0.00
86	T	p-Isopropyltoluene	50.000	50.732	-1.5	79	0.00
87	T	1,3-Dichlorobenzene	50.000	51.031	-2.1	81	0.00
88	T	1,4-Dichlorobenzene	50.000	50.924	-1.8	82	0.00
89	T	n-Butylbenzene	50.000	51.212	-2.4	80	0.00
90	T	Hexachloroethane	50.000	53.310	-6.6	84	0.00
91	T	1,2-Dichlorobenzene	50.000	51.390	-2.8	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.347	9.3	69	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.169	3.7	74	0.00
94	T	Hexachlorobutadiene	50.000	53.932	-7.9	85	0.00
95	T	Naphthalene	50.000	47.116	5.8	72	0.00

Sample Results: **VX047981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.485	1.0	75	0.00

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

Raw Data: **VX048007.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO15
Lab Code:	ACE	SDG No.:	Q3193
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/03/2025 19:43
Lab File ID:	VX048007.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.527		1.74	50
Chloromethane	0.680	0.643	0.1	-5.44	50
Vinyl Chloride	0.666	0.673		1.05	50
Bromomethane	0.422	0.432		2.37	50
Chloroethane	0.445	0.448		0.67	50
Trichlorofluoromethane	0.989	1.033		4.45	50
1,1,2-Trichlorotrifluoroethane	0.578	0.612		5.88	50
1,1-Dichloroethene	0.594	0.604		1.68	50
Acetone	0.346	0.311		-10.12	50
Carbon Disulfide	1.626	1.465		-9.9	50
Methyl tert-butyl Ether	2.169	2.388		10.1	50
Methyl Acetate	0.770	0.970		25.97	50
Methylene Chloride	0.732	0.762		4.1	50
trans-1,2-Dichloroethene	0.640	0.657		2.66	50
1,1-Dichloroethane	1.263	1.360	0.1	7.6	50
Cyclohexane	1.052	0.988		-6.08	50
2-Butanone	0.432	0.478		10.65	50
Carbon Tetrachloride	0.532	0.561		5.45	50
cis-1,2-Dichloroethene	0.783	0.839		7.15	50
Bromochloromethane	0.551	0.602		9.26	50
Chloroform	1.276	1.435		12.46	50
1,1,1-Trichloroethane	1.082	1.180		9.06	50
Methylcyclohexane	0.556	0.531		-4.5	50
Benzene	1.488	1.592		6.99	50
1,2-Dichloroethane	0.566	0.610		7.77	50
Trichloroethene	0.360	0.385		6.94	50
1,2-Dichloropropane	0.381	0.433		13.65	50
Bromodichloromethane	0.572	0.649		13.46	50
4-Methyl-2-Pentanone	0.477	0.583		22.22	50
Toluene	0.917	0.986		7.53	50
t-1,3-Dichloropropene	0.584	0.639		9.42	50
cis-1,3-Dichloropropene	0.624	0.675		8.17	50
1,1,2-Trichloroethane	0.354	0.416		17.51	50
2-Hexanone	0.343	0.404		17.78	50
Dibromochloromethane	0.407	0.482		18.43	50
1,2-Dibromoethane	0.360	0.426		18.33	50
Tetrachloroethene	0.326	0.336		3.07	50
Chlorobenzene	1.136	1.229	0.3	8.19	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:	AECO15
Lab Code:	ACE	SDG No.:	Q3193
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/03/2025 19:43
Lab File ID:	VX048007.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.091		6.68	50
m/p-Xylenes	0.729	0.784		7.55	50
o-Xylene	0.706	0.762		7.93	50
Styrene	1.236	1.348		9.06	50
Bromoform	0.293	0.345	0.1	17.75	50
Isopropylbenzene	3.801	3.923		3.21	50
1,1,2,2-Tetrachloroethane	1.150	1.329	0.3	15.56	50
1,3-Dichlorobenzene	1.739	1.809		4.03	50
1,4-Dichlorobenzene	1.785	1.820		1.96	50
1,2-Dichlorobenzene	1.657	1.770		6.82	50
1,2-Dibromo-3-Chloropropane	0.233	0.257		10.3	50
1,2,4-Trichlorobenzene	1.077	1.098		1.95	50
1,2,3-Trichlorobenzene	1.002	1.073		7.09	50
1,2-Dichloroethane-d4	0.796	0.830		4.27	50
Dibromofluoromethane	0.335	0.360		7.46	50
Toluene-d8	1.160	1.242		7.07	50
4-Bromofluorobenzene	0.440	0.481		9.32	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\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	121964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	216314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101189	52.123	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.373	113	77975	53.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.500%			
50) Toluene-d8	8.634	98	268747	53.538	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.080%			
62) 4-Bromofluorobenzene	11.067	95	104011	54.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	64269	50.888	ug/l	99
3) Chloromethane	1.300	50	78377	47.219	ug/l	99
4) Vinyl Chloride	1.380	62	82083	50.518	ug/l	99
5) Bromomethane	1.611	94	52720	51.168	ug/l	99
6) Chloroethane	1.691	64	54620	50.296	ug/l	97
7) Trichlorofluoromethane	1.892	101	125952	52.207	ug/l	99
8) Diethyl Ether	2.136	74	52545	53.243	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	74685	52.942	ug/l	99
10) Methyl Iodide	2.453	142	104174	47.350	ug/l	99
11) Tert butyl alcohol	2.946	59	60030	277.639	ug/l	98
12) 1,1-Dichloroethene	2.325	96	73624	50.808	ug/l	99
13) Acrolein	2.239	56	62241	312.382	ug/l	99
14) Allyl chloride	2.666	41	147796	49.427	ug/l	97
15) Acrylonitrile	3.056	53	242158	302.366	ug/l	99
16) Acetone	2.373	43	189648	224.672	ug/l	99
17) Carbon Disulfide	2.514	76	178626	45.029	ug/l	99
18) Methyl Acetate	2.703	43	118258	62.951	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	291237	55.057	ug/l	99
20) Methylene Chloride	2.788	84	92949	52.021	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	80131	51.363	ug/l	98
22) Diisopropyl ether	3.757	45	317112	54.721	ug/l	98
23) Vinyl Acetate	3.715	43	1285643	277.195	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165810	53.832	ug/l	99
25) 2-Butanone	4.544	43	291270	276.631	ug/l	98
26) 2,2-Dichloropropane	4.471	77	116381	45.455	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102379	53.585	ug/l	98
28) Bromochloromethane	4.891	49	73476	54.642	ug/l	100
29) Tetrahydrofuran	4.989	42	187660	296.268	ug/l	99
30) Chloroform	5.086	83	175073	56.248	ug/l	99
31) Cyclohexane	5.458	56	120465	46.959	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143918	54.512	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105494	49.765	ug/l	98
37) Ethyl Acetate	4.702	43	127109	56.001	ug/l	99
38) Carbon Tetrachloride	5.665	117	121389	52.703	ug/l	99
39) Methylcyclohexane	7.366	83	114768	47.695	ug/l	100
40) Benzene	6.025	78	344294	53.474	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	66987	57.167	ug/l		98
42) 1,2-Dichloroethane	6.080	62	131871	53.830	ug/l		98
43) Isopropyl Acetate	6.324	43	206579	55.494	ug/l		99
44) Trichloroethene	7.116	130	83248	53.481	ug/l		97
45) 1,2-Dichloropropane	7.415	63	93587	56.766	ug/l		99
46) Dibromomethane	7.568	93	67001	55.847	ug/l		99
47) Bromodichloromethane	7.805	83	140393	56.708	ug/l		96
48) Methyl methacrylate	7.677	41	105169	56.718	ug/l		99
49) 1,4-Dioxane	7.647	88	24409	1302.577	ug/l		98
51) 4-Methyl-2-Pentanone	8.561	43	630287	305.381	ug/l		100
52) Toluene	8.702	92	213298	53.771	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	138150	54.707	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	145937	54.069	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89957	58.812	ug/l		98
56) Ethyl methacrylate	9.104	69	140282	58.399	ug/l		97
57) 1,3-Dichloropropane	9.293	76	153150	58.287	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	367023	314.582	ug/l		100
59) 2-Hexanone	9.415	43	437450	295.111	ug/l		99
60) Dibromochloromethane	9.506	129	104201	59.125	ug/l		100
61) 1,2-Dibromoethane	9.592	107	92159	59.155	ug/l		99
64) Tetrachloroethene	9.262	164	66296	51.587	ug/l		97
65) Chlorobenzene	10.061	112	242210	54.082	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	87628	56.702	ug/l		99
67) Ethyl Benzene	10.177	91	412286	53.354	ug/l		99
68) m/p-Xylenes	10.287	106	309036	107.446	ug/l		99
69) o-Xylene	10.628	106	150235	54.003	ug/l		100
70) Styrene	10.640	104	265668	54.501	ug/l		99
71) Bromoform	10.780	173	67964	58.896	ug/l	#	99
73) Isopropylbenzene	10.945	105	386001	51.600	ug/l		99
74) N-amyl acetate	10.829	43	183701	53.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	130791	57.788	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	97685m	49.033	ug/l		
77) Bromobenzene	11.183	156	97069	52.685	ug/l		98
78) n-propylbenzene	11.286	91	456676	51.642	ug/l		100
79) 2-Chlorotoluene	11.347	91	281421	51.959	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	322291	52.439	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	39131	50.090	ug/l		98
82) 4-Chlorotoluene	11.439	91	330375	51.647	ug/l		99
83) tert-Butylbenzene	11.695	119	323116	51.357	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	323106	51.854	ug/l		100
85) sec-Butylbenzene	11.872	105	390181	52.211	ug/l		100
86) p-Isopropyltoluene	11.994	119	327789	51.810	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	178037	52.025	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	179124	50.999	ug/l		98
89) n-Butylbenzene	12.317	91	302237	51.628	ug/l		99
90) Hexachloroethane	12.518	117	59911	53.936	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	174153	53.416	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25279	55.167	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	108041	50.989	ug/l		99
94) Hexachlorobutadiene	13.707	225	37259	51.768	ug/l		97
95) Naphthalene	13.756	128	355616	55.115	ug/l		99
96) 1,2,3-Trichlorobenzene	13.944	180	105613	53.582	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
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Acq On : 03 Oct 2025 19:43
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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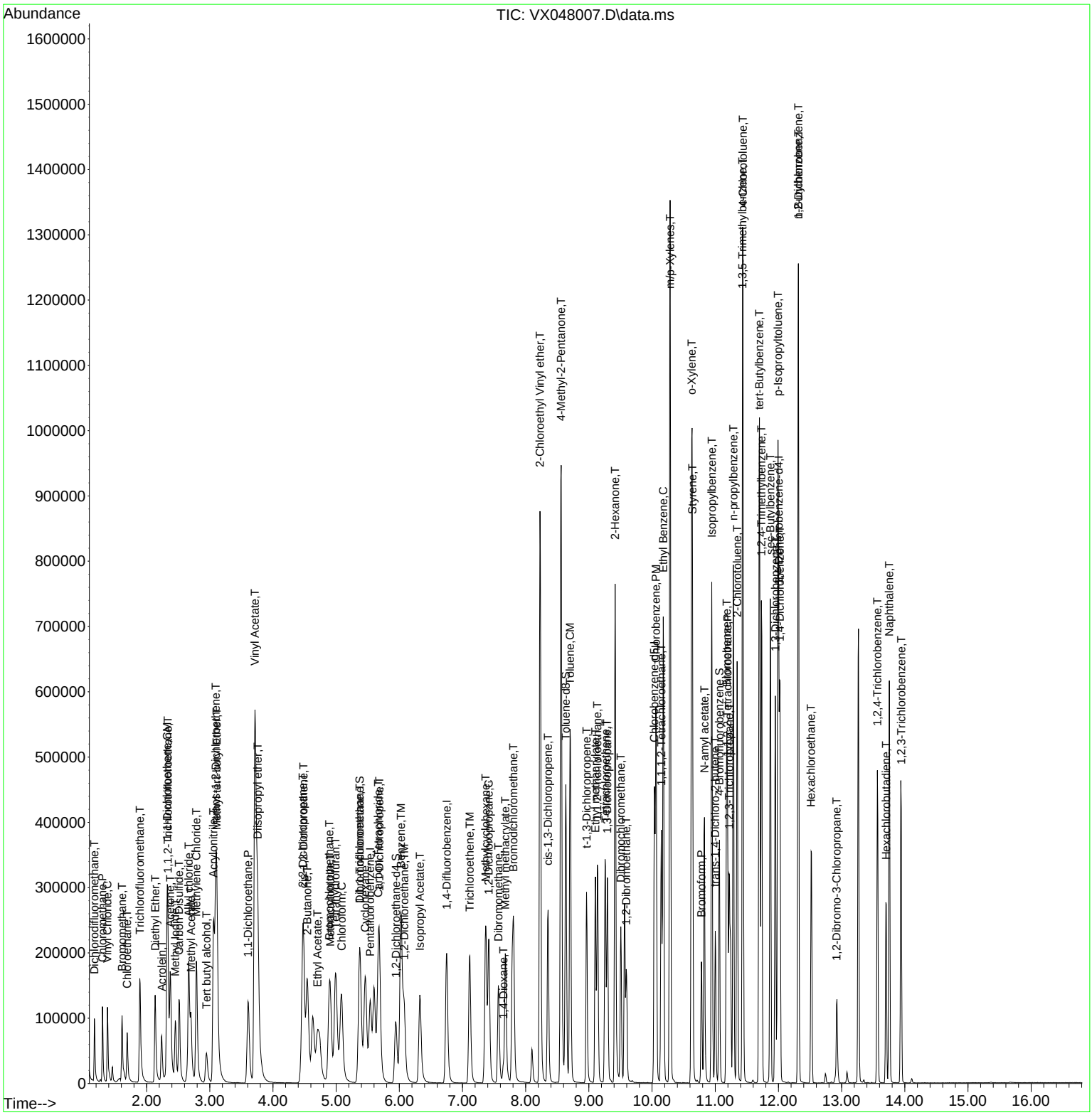
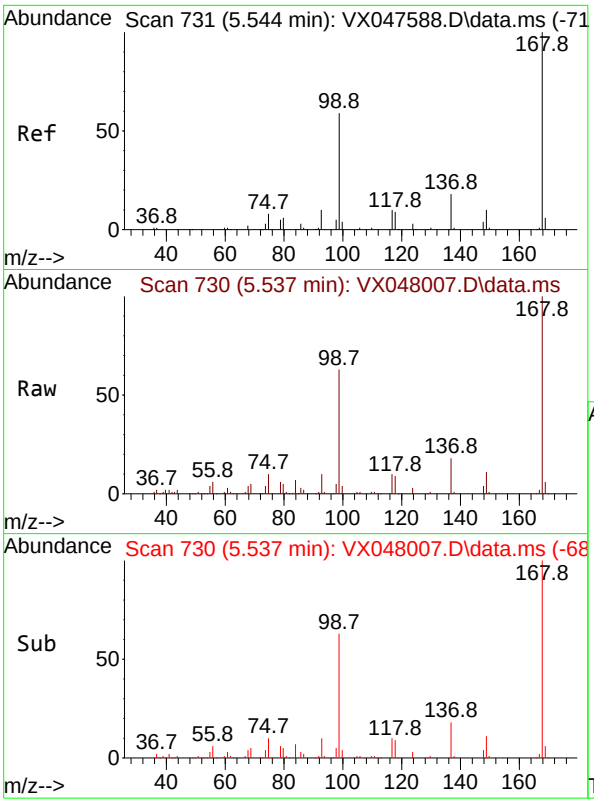
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

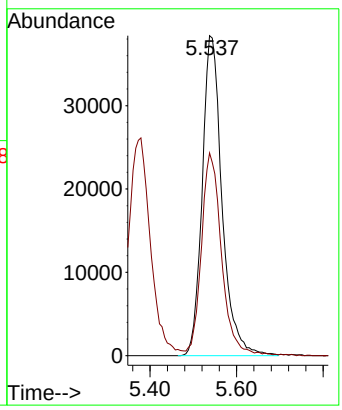




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:168 Resp: 12196

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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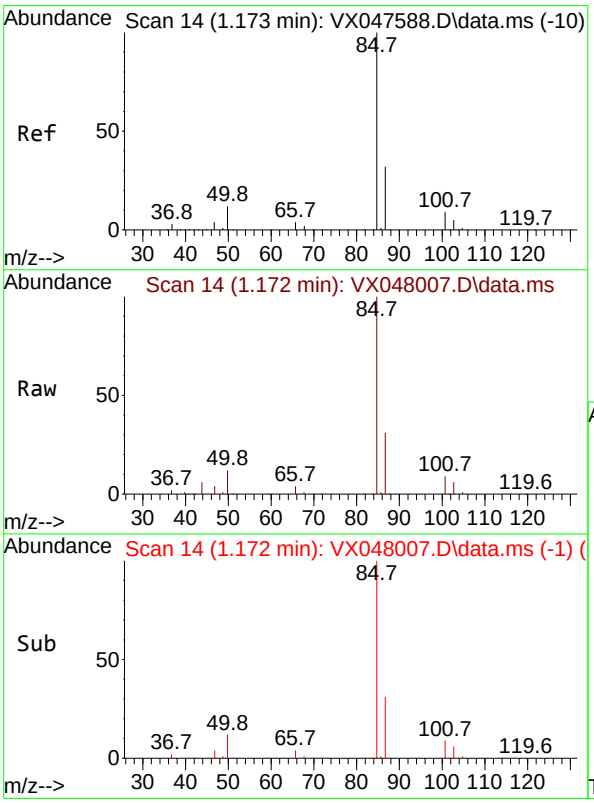
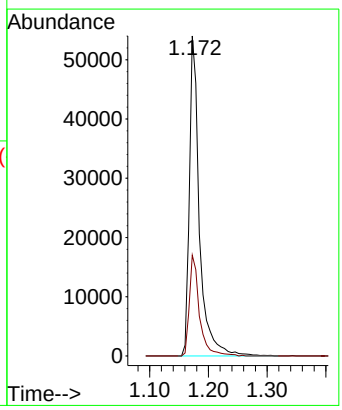
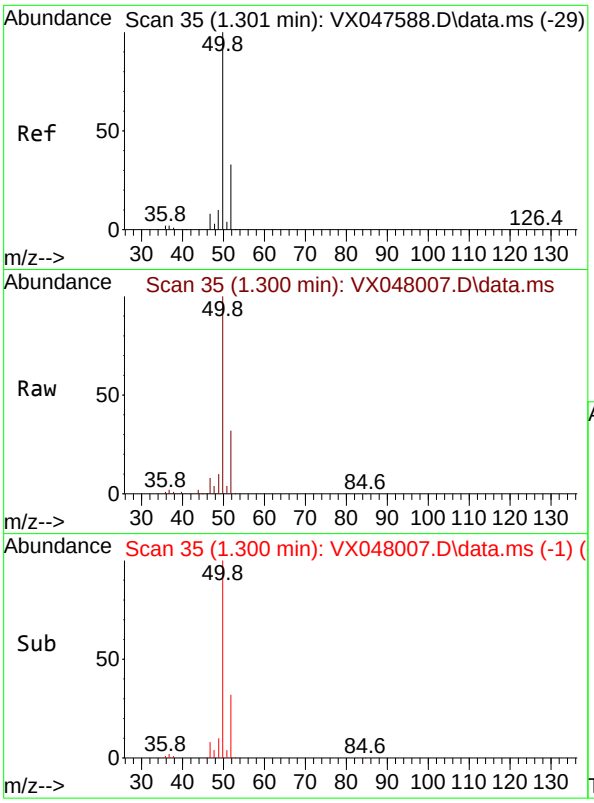


#2
Dichlorodifluoromethane
Concen: 50.888 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 85 Resp: 64269

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

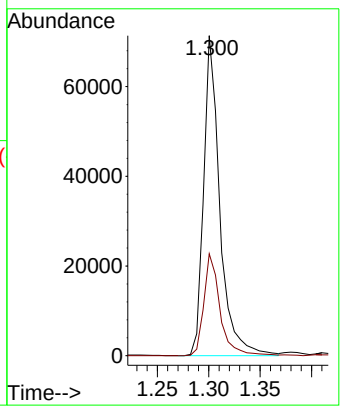




#3
Chloromethane
Concen: 47.219 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 50 Resp: 7837

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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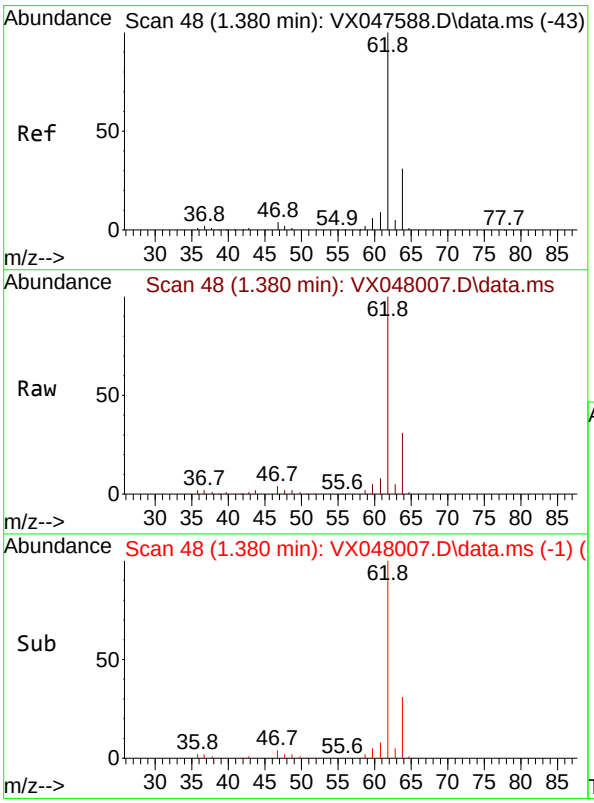
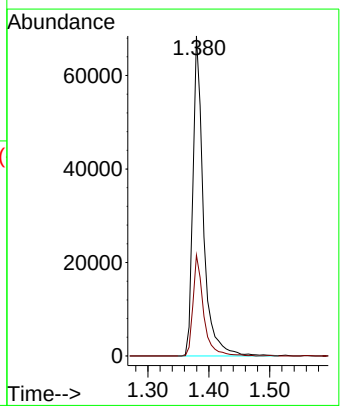
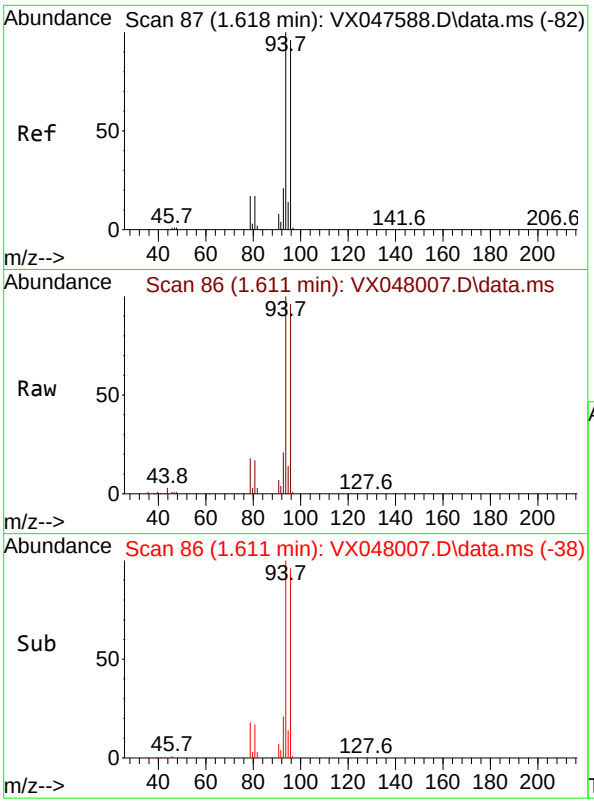


#4
Vinyl Chloride
Concen: 50.518 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 82083

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3

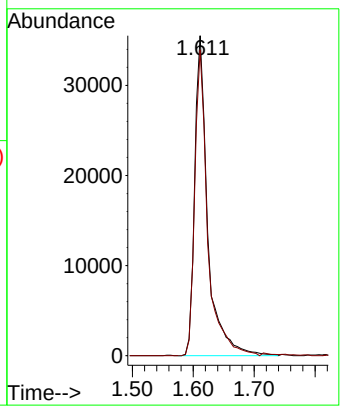




#5
Bromomethane
Concen: 51.168 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 94 Resp: 5272

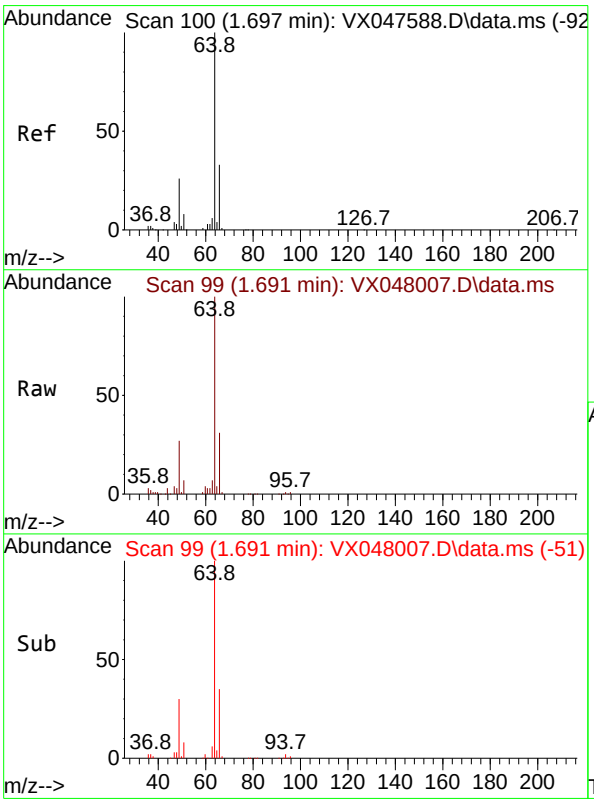
Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

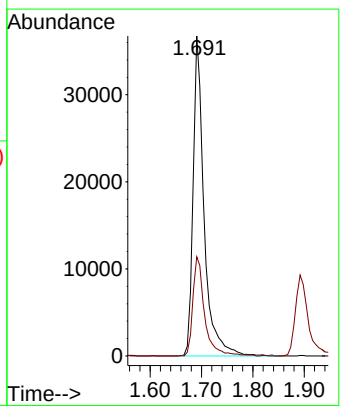
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

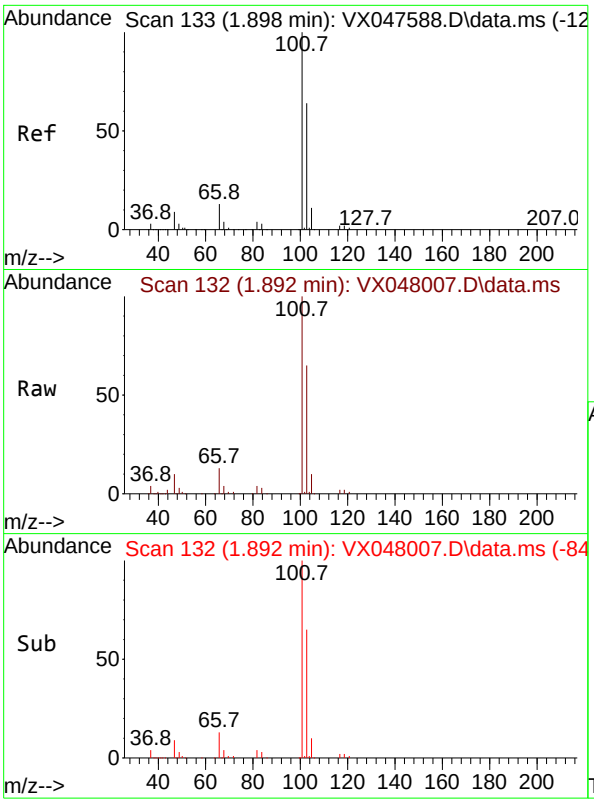


#6
Chloroethane
Concen: 50.296 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 64 Resp: 54620

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1





#7
Trichlorofluoromethane
Concen: 52.207 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:101 Resp: 12595

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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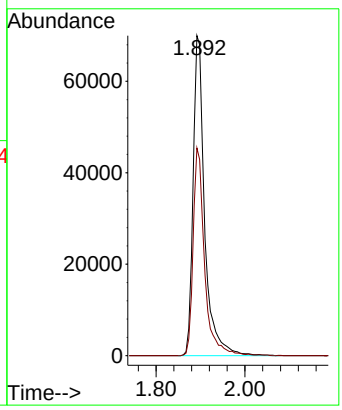
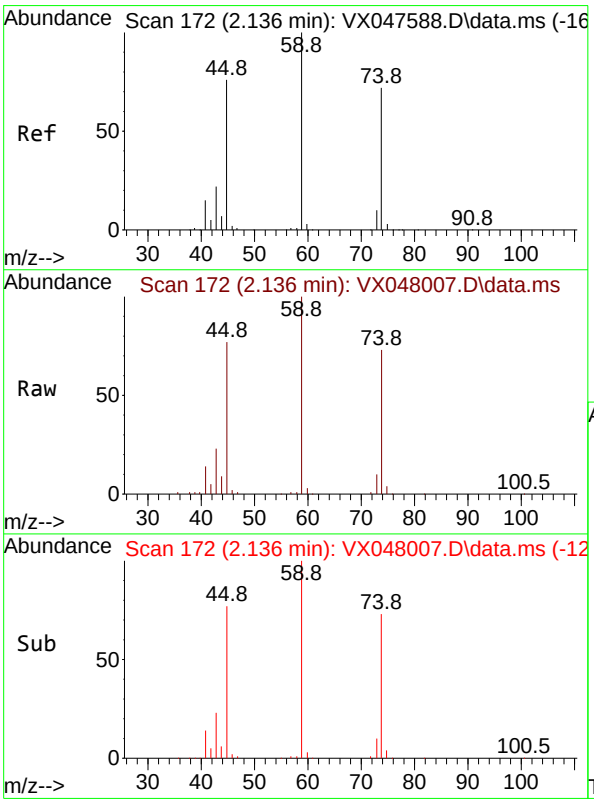
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

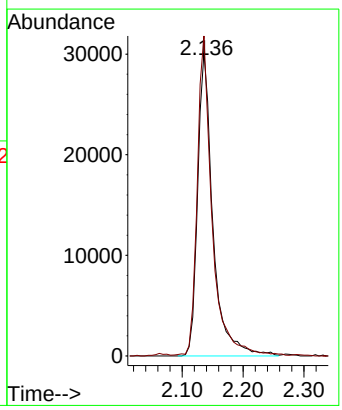


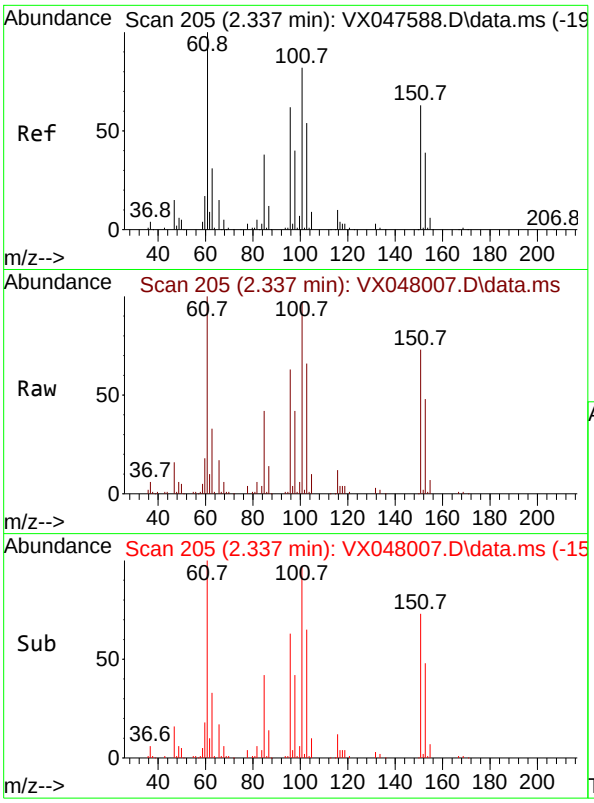


#8
Diethyl Ether
Concen: 53.243 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 74 Resp: 52545

Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.942 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:101 Resp: 7468

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	73.2	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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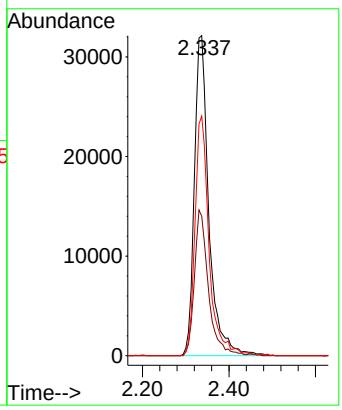
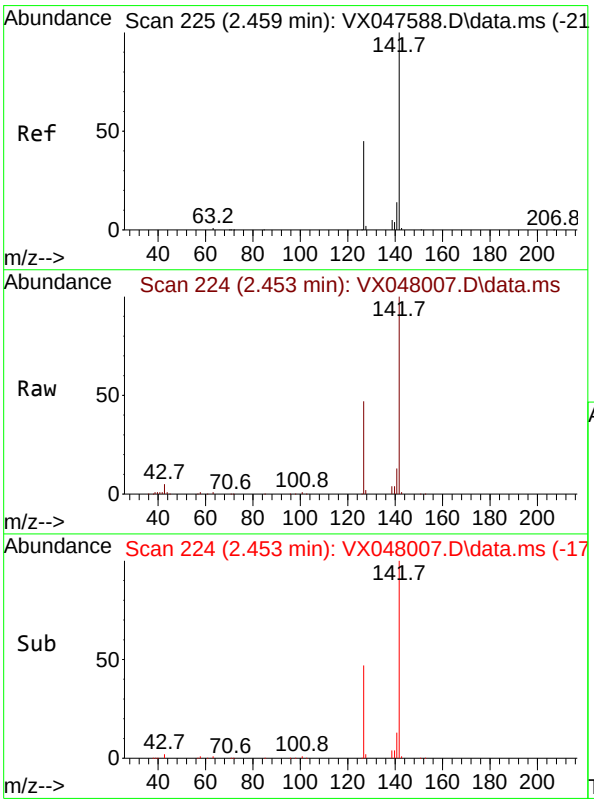
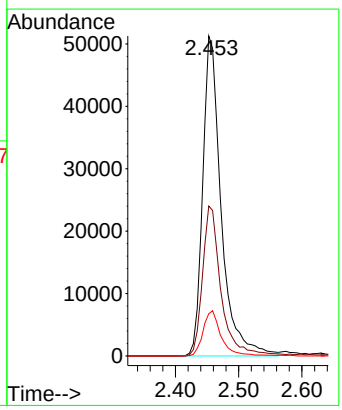


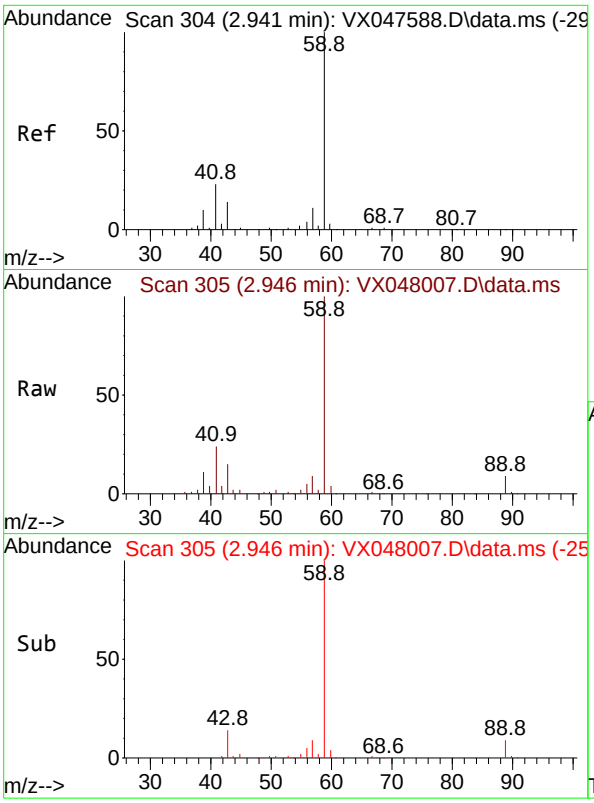


#10
Methyl Iodide
Concen: 47.350 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:142 Resp: 104174

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.2	55.8
141	14.1	11.4	17.0





#11
Tert butyl alcohol
Concen: 277.639 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 59 Resp: 6003

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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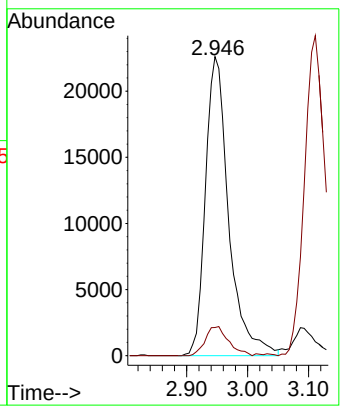
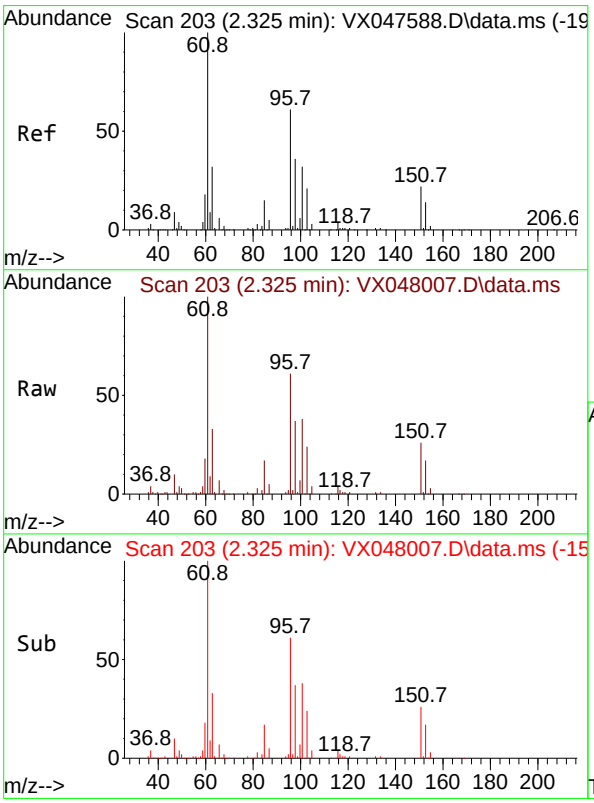
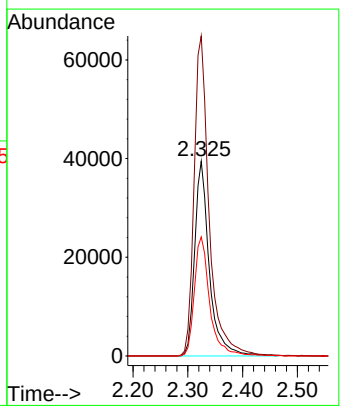


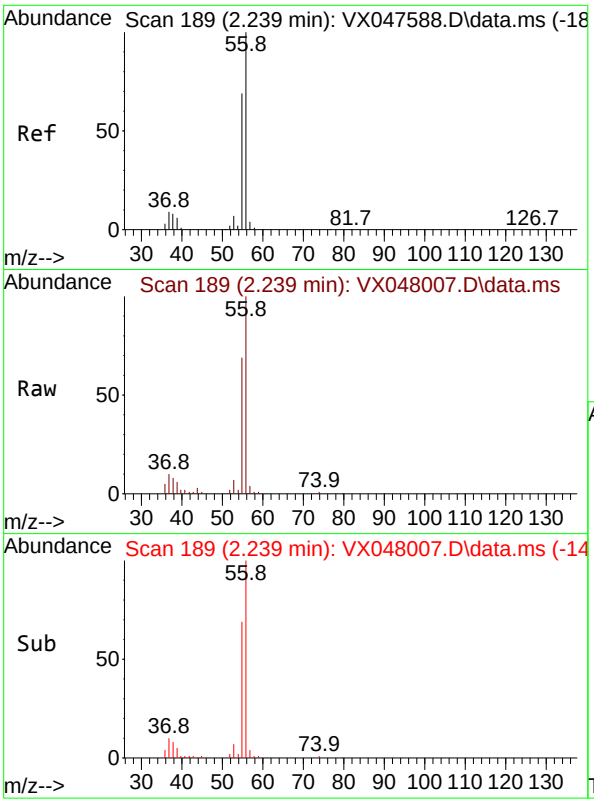


#12
1,1-Dichloroethene
Concen: 50.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 73624

Ion	Ratio	Lower	Upper
96	100		
61	164.4	131.0	196.6
98	61.2	47.7	71.5

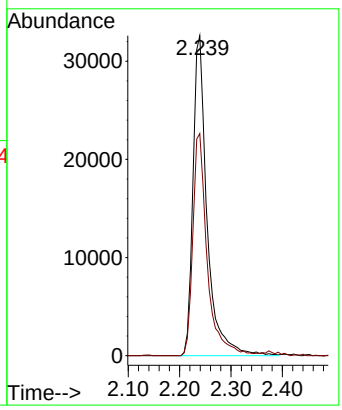




#13
Acrolein
Concen: 312.382 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 56 Resp: 6224

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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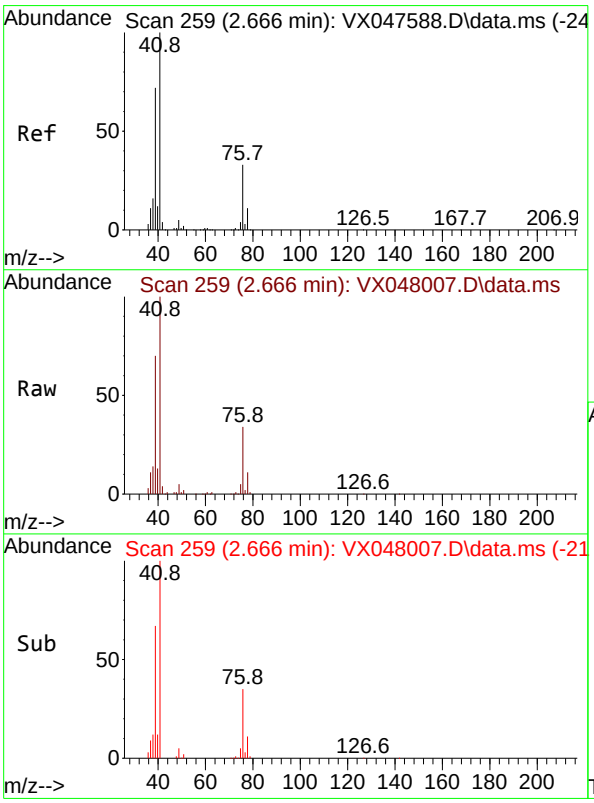
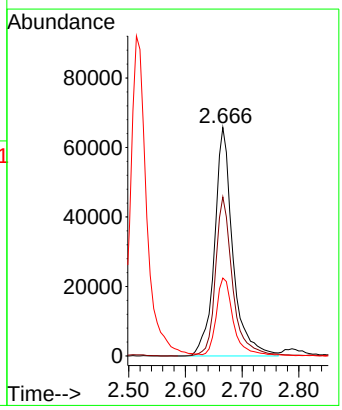
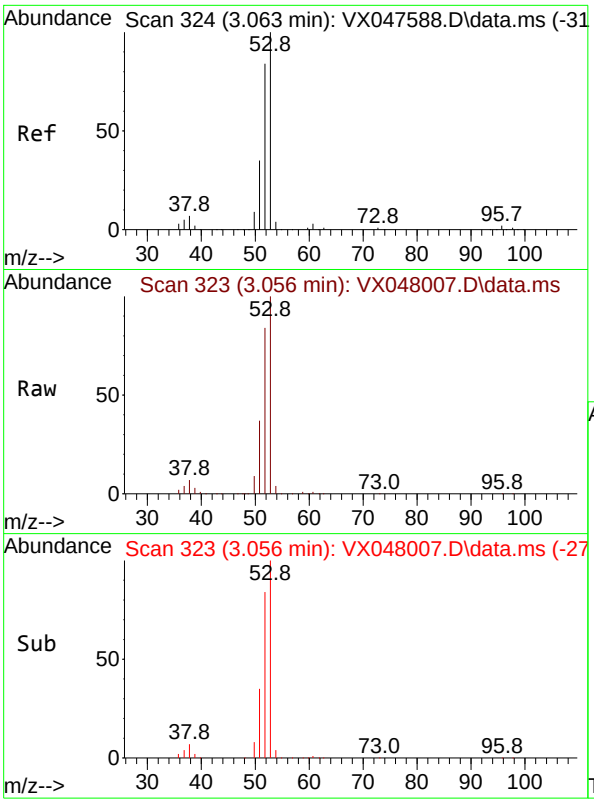


#14
Allyl chloride
Concen: 49.427 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 147796

Ion	Ratio	Lower	Upper
41	100		
39	65.6	54.7	82.1
76	31.9	25.7	38.5

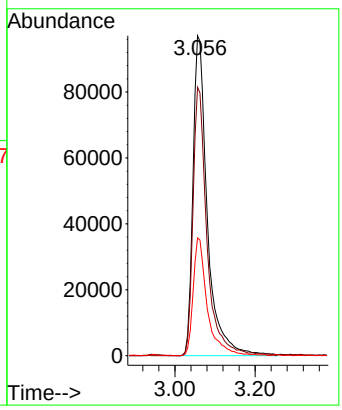




#15
Acrylonitrile
Concen: 302.366 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 53 Resp: 24215

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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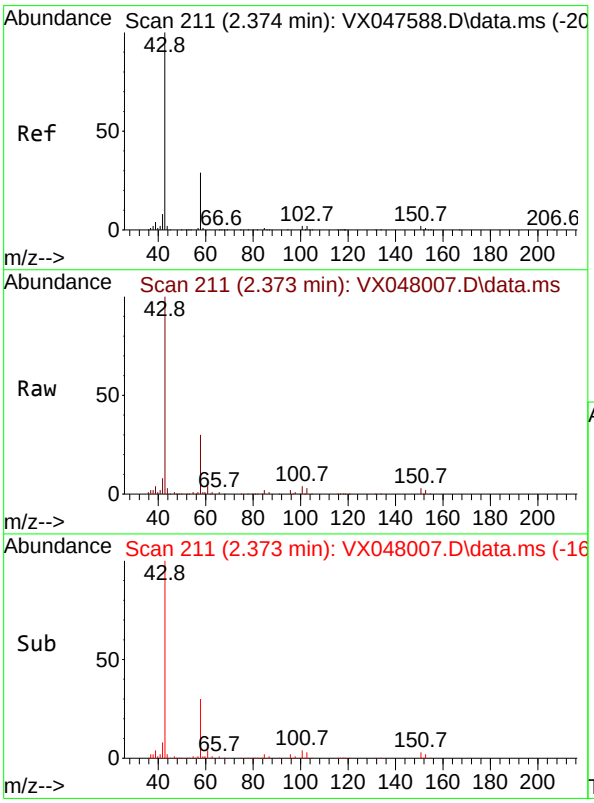
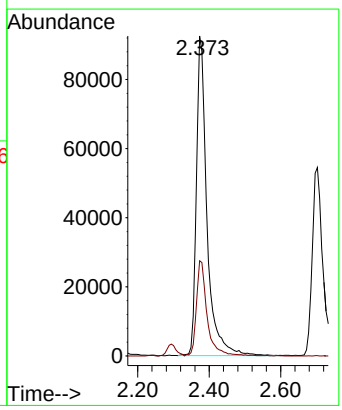
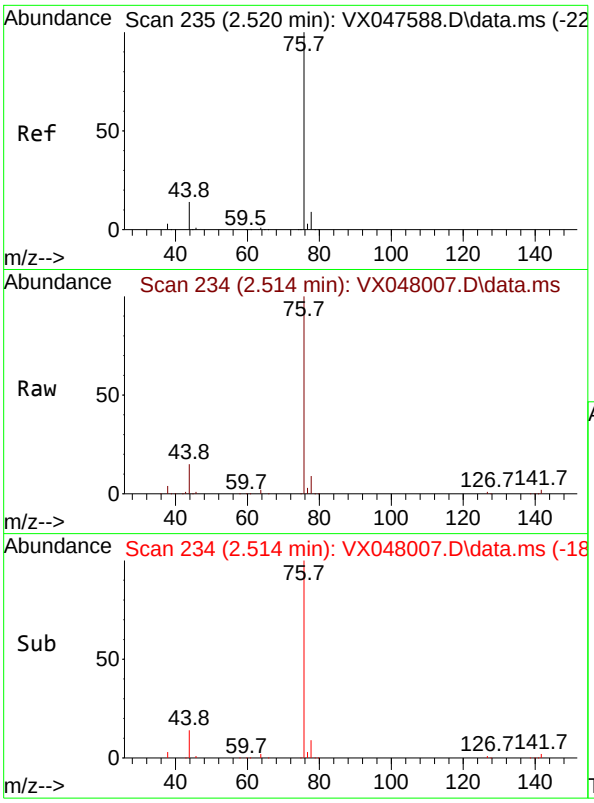


#16
Acetone
Concen: 224.672 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 189648

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0





#17
Carbon Disulfide
Concen: 45.029 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 76 Resp: 17862

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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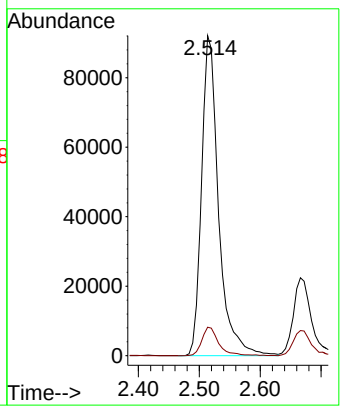
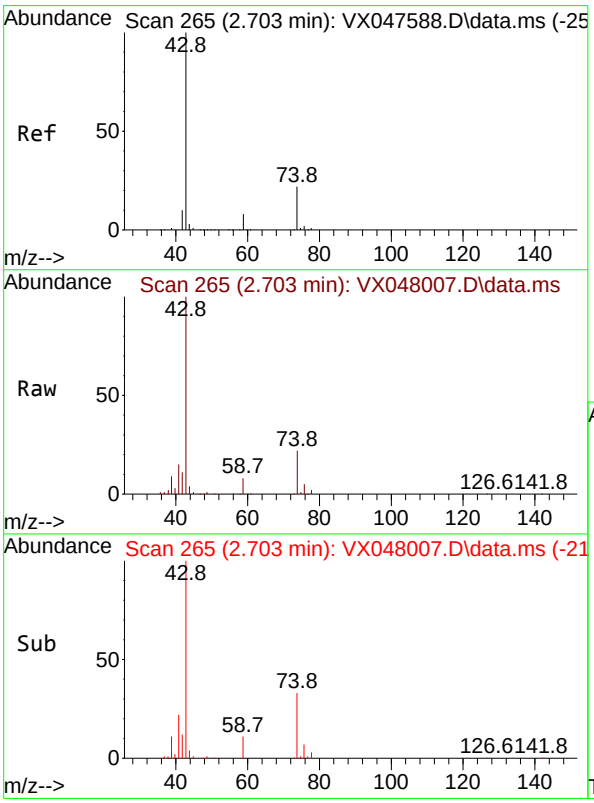
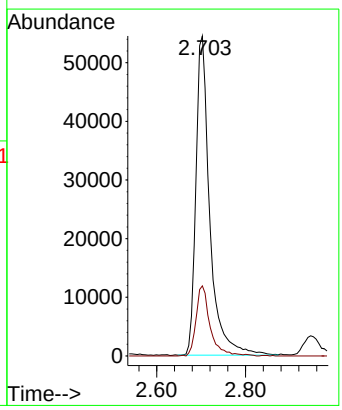


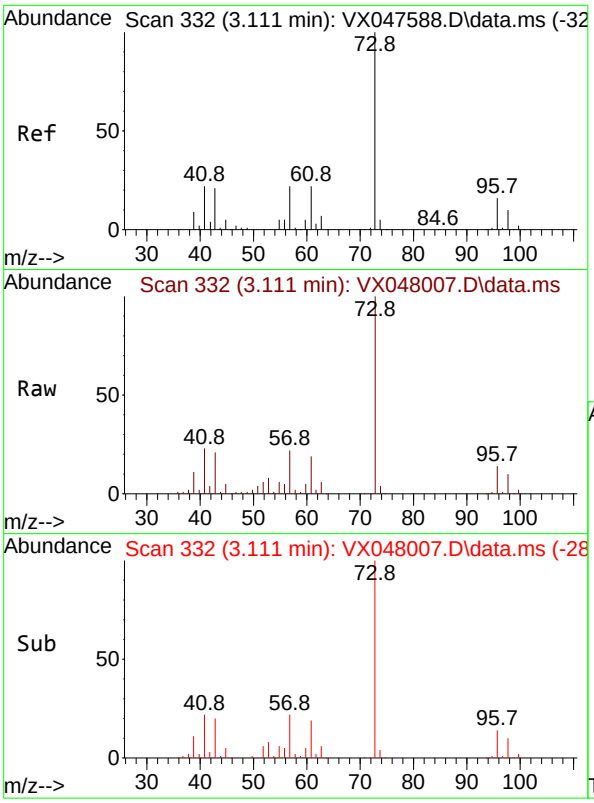


#18
Methyl Acetate
Concen: 62.951 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 118258

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 55.057 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 73 Resp: 29123

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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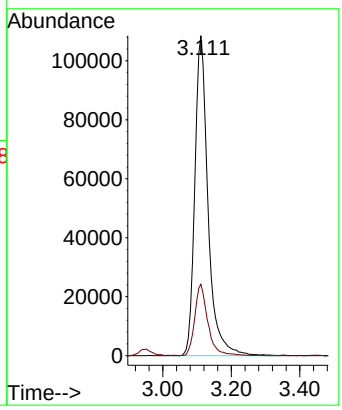
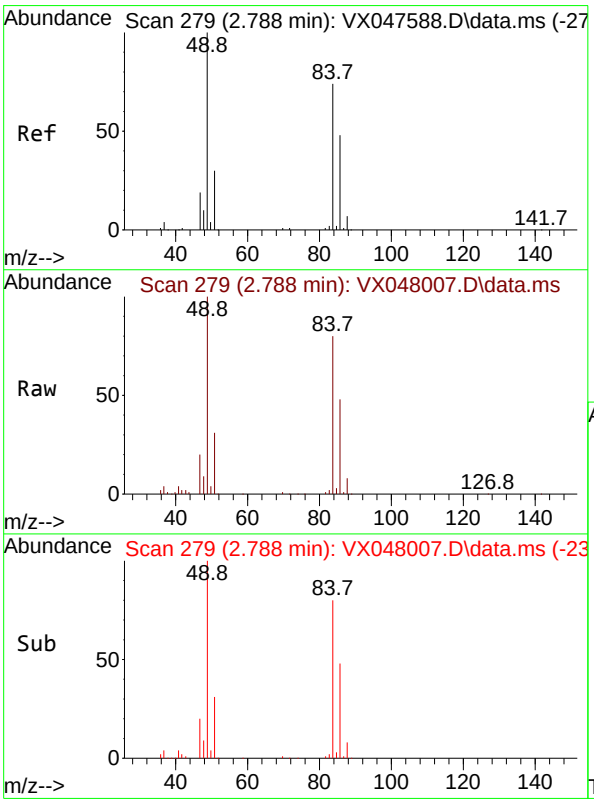
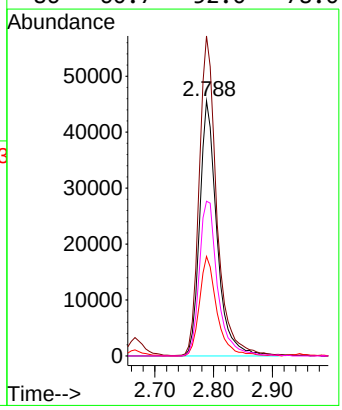


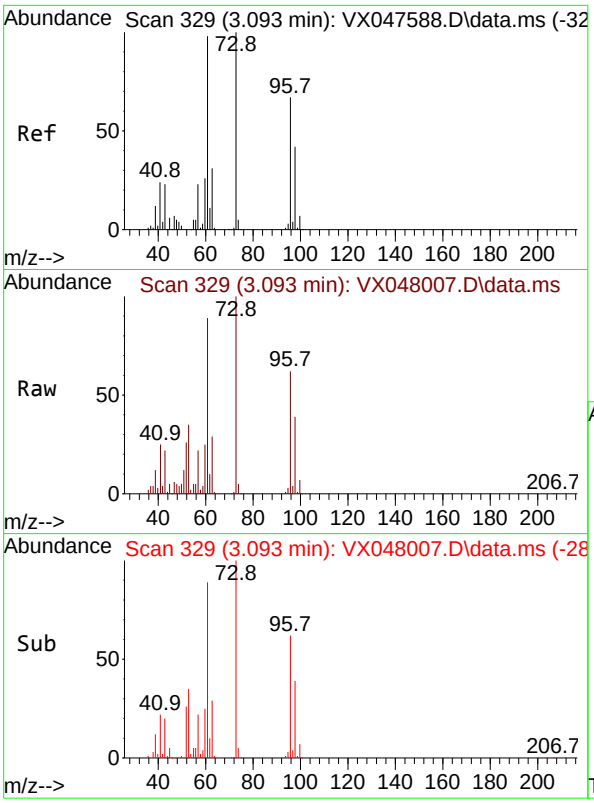


#20
Methylene Chloride
Concen: 52.021 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 84 Resp: 92949

Ion	Ratio	Lower	Upper
84	100		
49	125.2	108.6	162.8
51	39.0	32.6	48.8
86	60.7	52.0	78.0

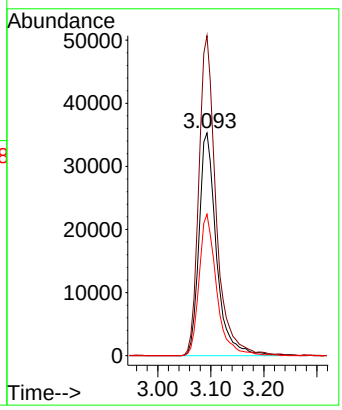




#21
trans-1,2-Dichloroethene
Concen: 51.363 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 8013

Ion	Ratio	Lower	Upper
96	100		
61	143.6	116.2	174.2
98	63.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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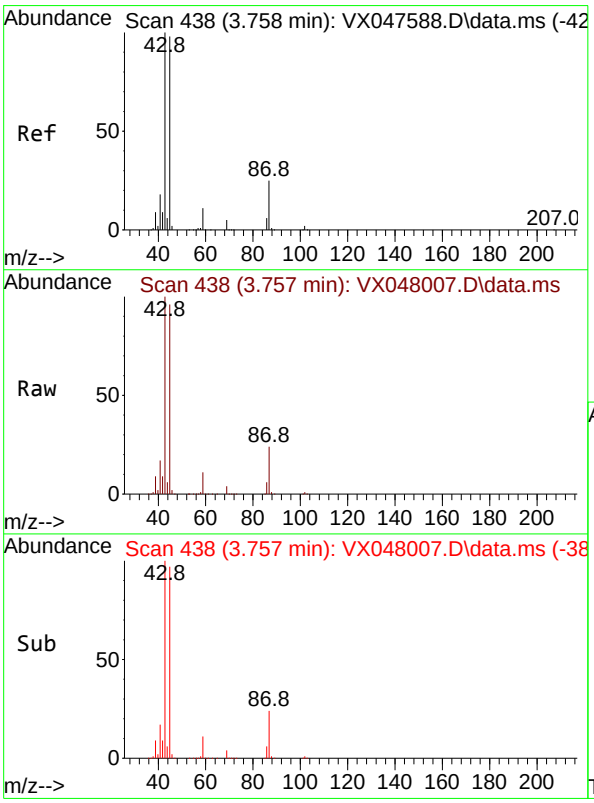
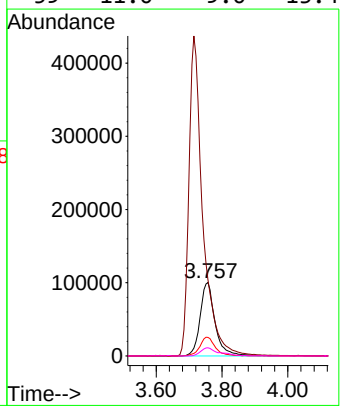
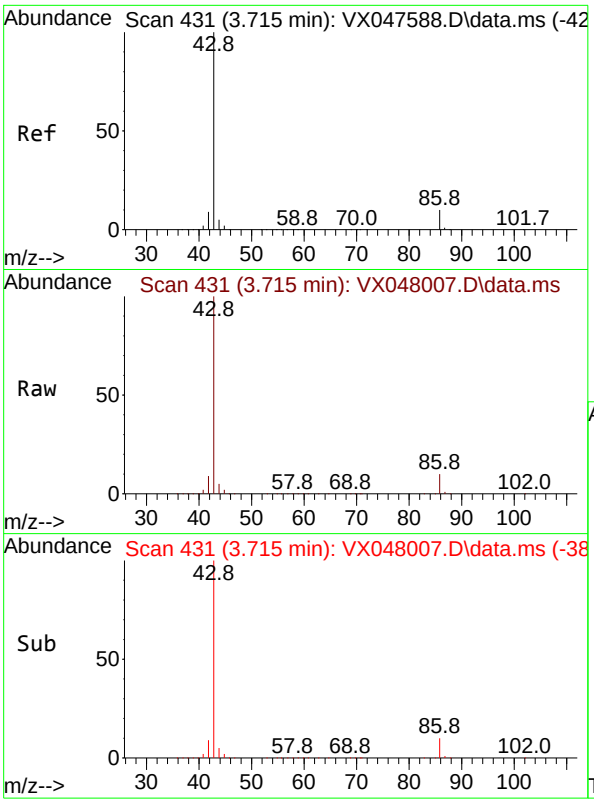


#22
Diisopropyl ether
Concen: 54.721 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 45 Resp: 317112

Ion	Ratio	Lower	Upper
45	100		
43	103.3	81.0	121.4
87	25.3	20.3	30.5
59	11.0	9.0	13.4





#23
Vinyl Acetate
Concen: 277.195 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 128564

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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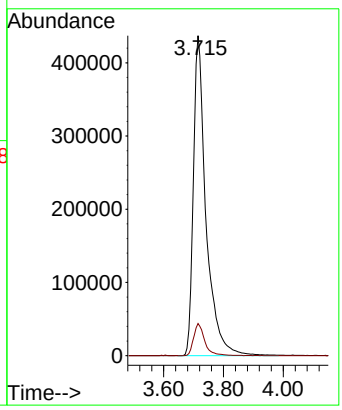
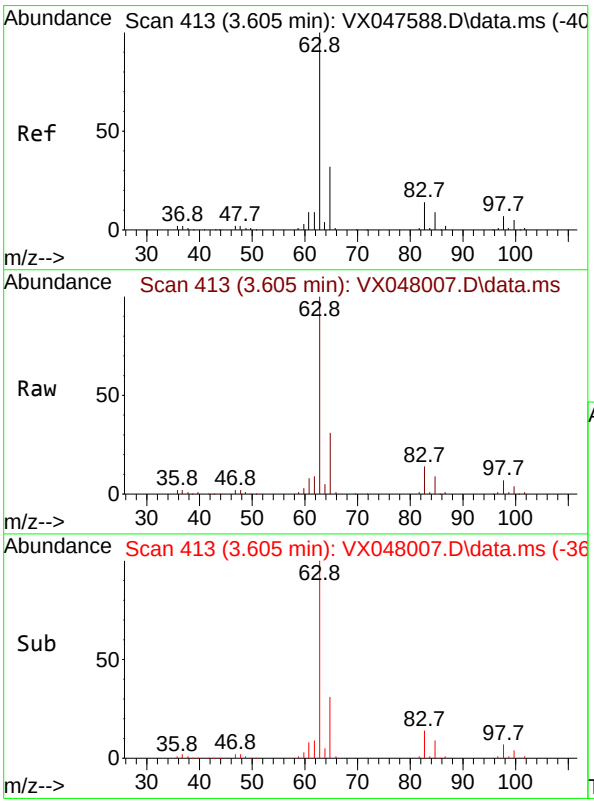
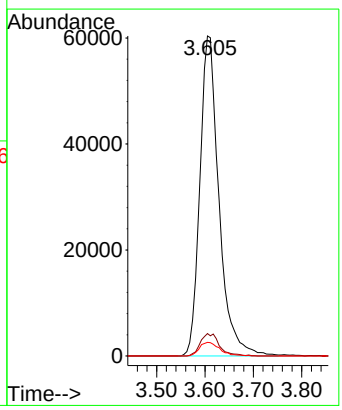


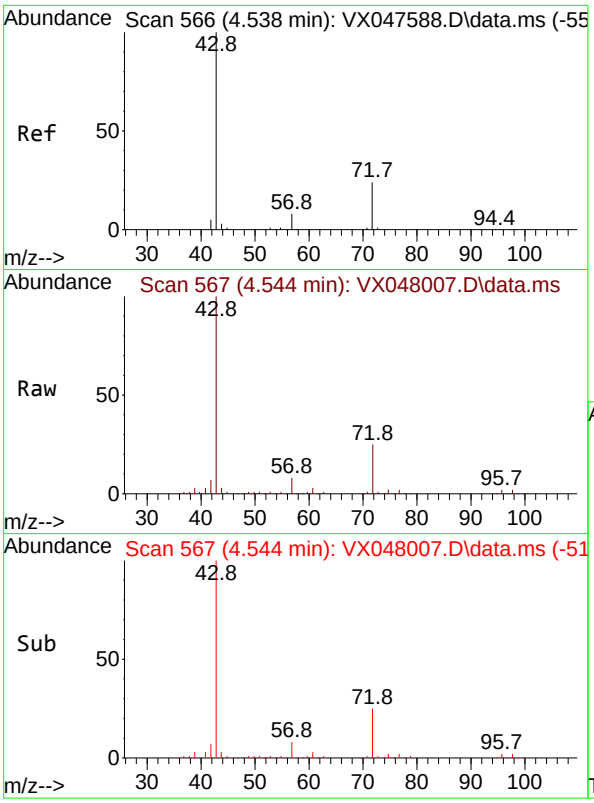


#24
1,1-Dichloroethane
Concen: 53.832 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 165810

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.5	2.3	6.9





#25
2-Butanone
Concen: 276.631 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 29127

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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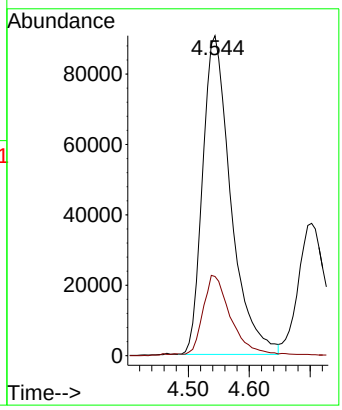
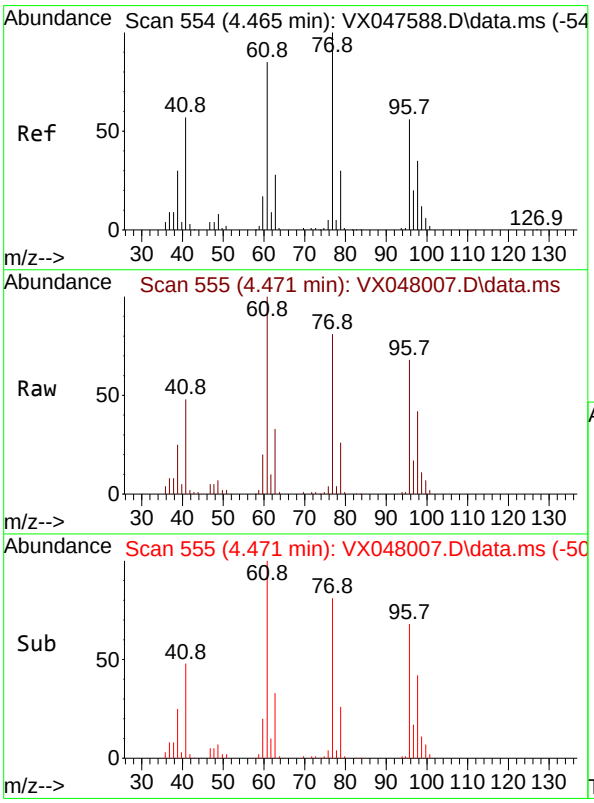
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

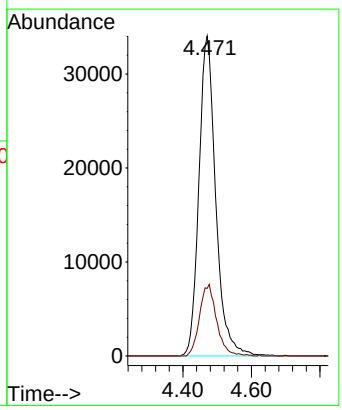


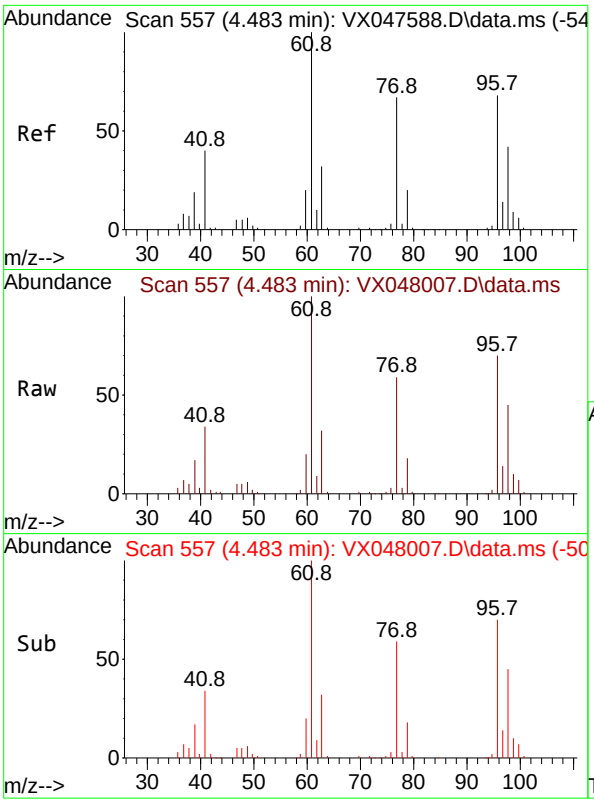


#26
2,2-Dichloropropane
Concen: 45.455 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 77 Resp: 116381

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

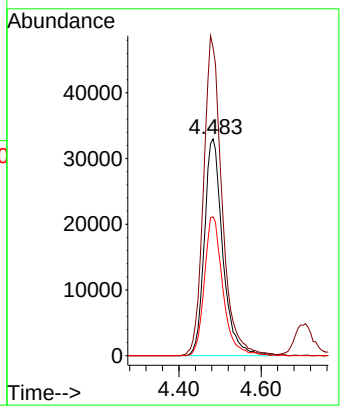




#27
cis-1,2-Dichloroethene
Concen: 53.585 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 10237

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.2
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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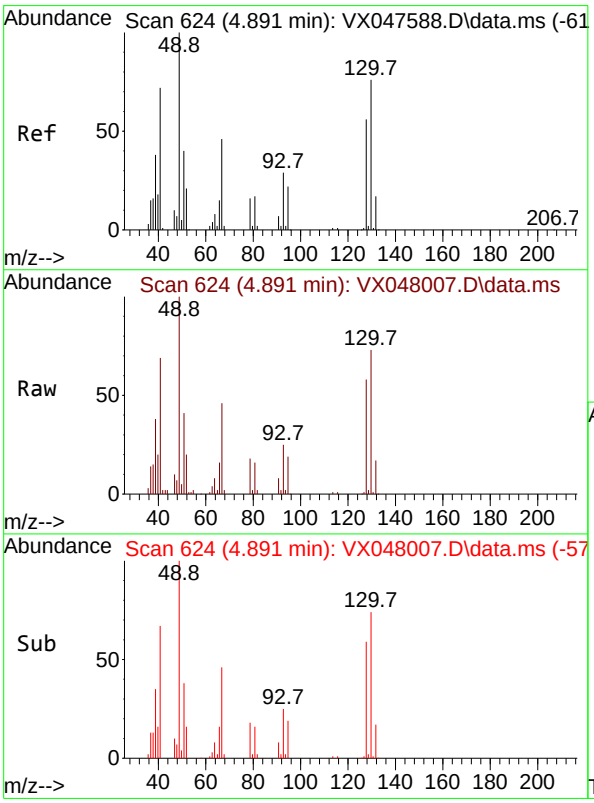
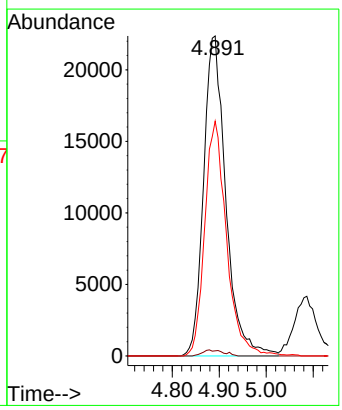
Supervised By :Semsettin Yesilyurt 10/06/2025

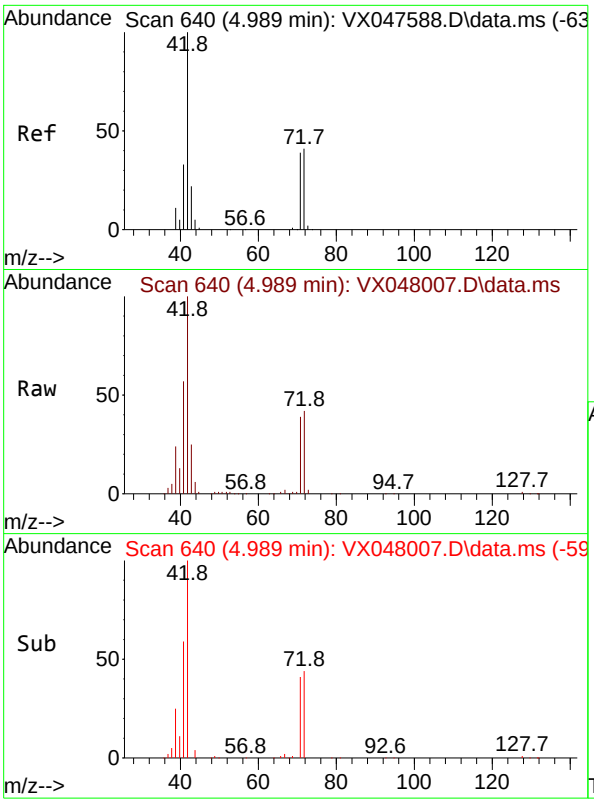


#28
Bromochloromethane
Concen: 54.642 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 49 Resp: 73476

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 296.268 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 42 Resp: 18766

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	39.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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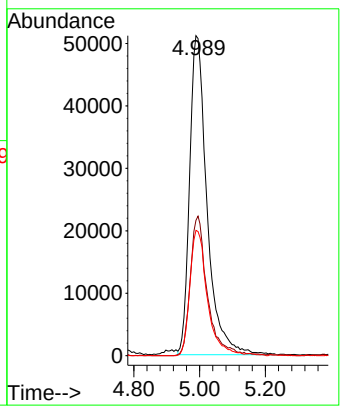
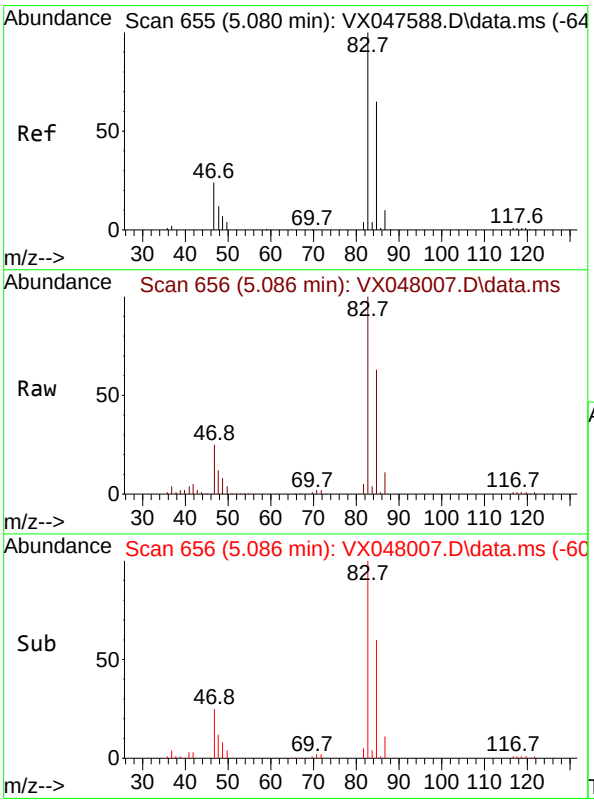
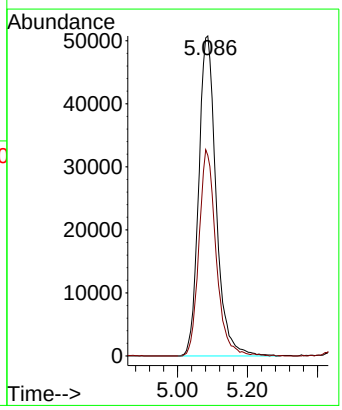


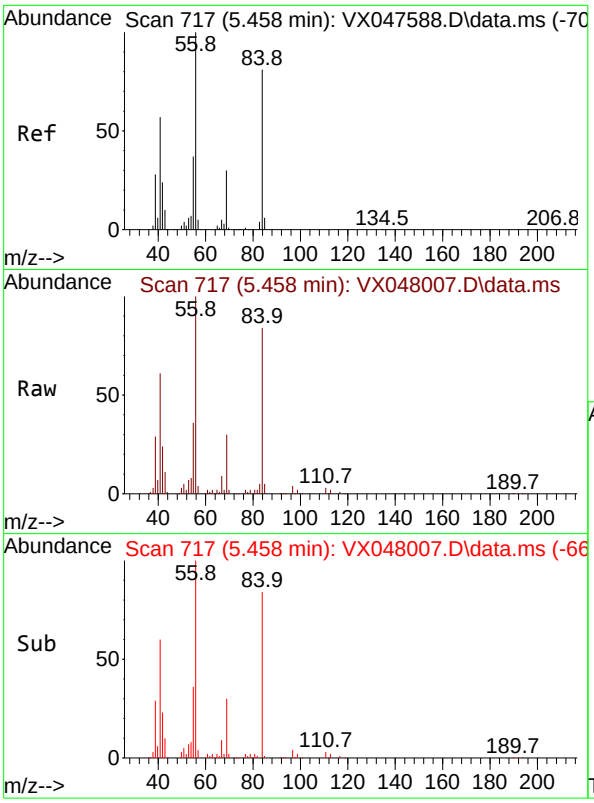


#30
Chloroform
Concen: 56.248 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 175073

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6

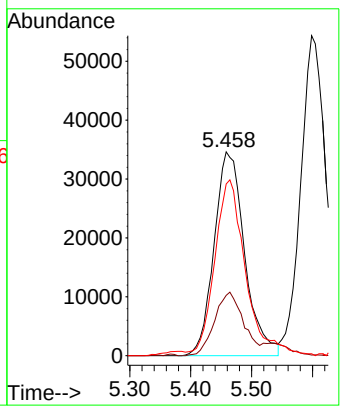




#31
Cyclohexane
Concen: 46.959 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 56 Resp: 12046

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	82.1	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
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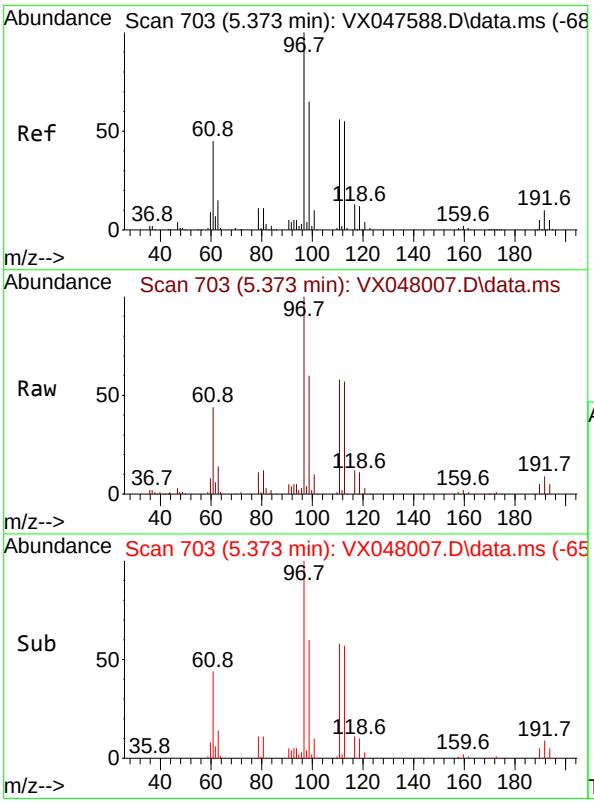
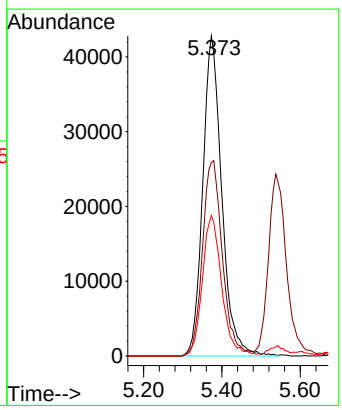
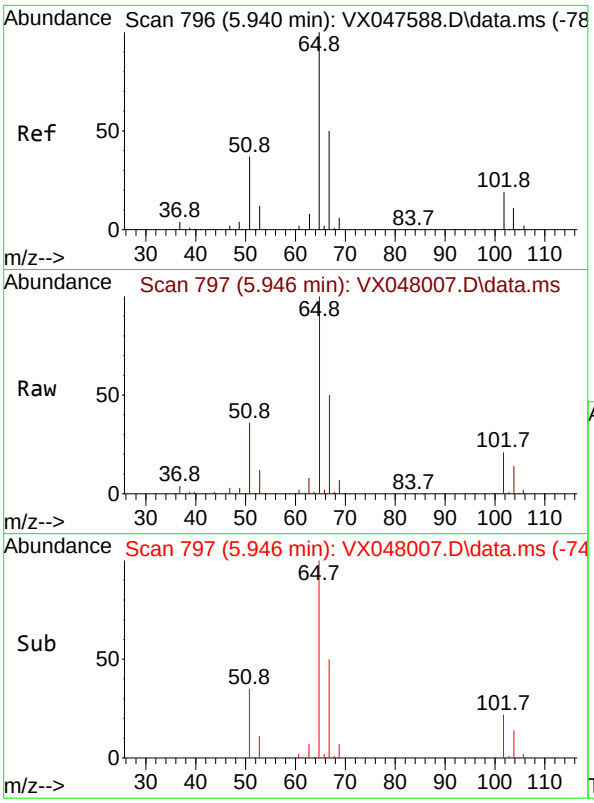


#32
1,1,1-Trichloroethane
Concen: 54.512 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 97 Resp: 143918

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.6	35.8	53.8

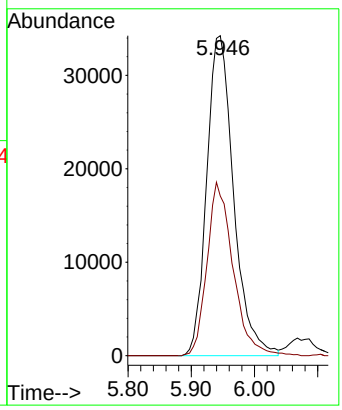




#33
1,2-Dichloroethane-d4
Concen: 52.123 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 65 Resp: 10118

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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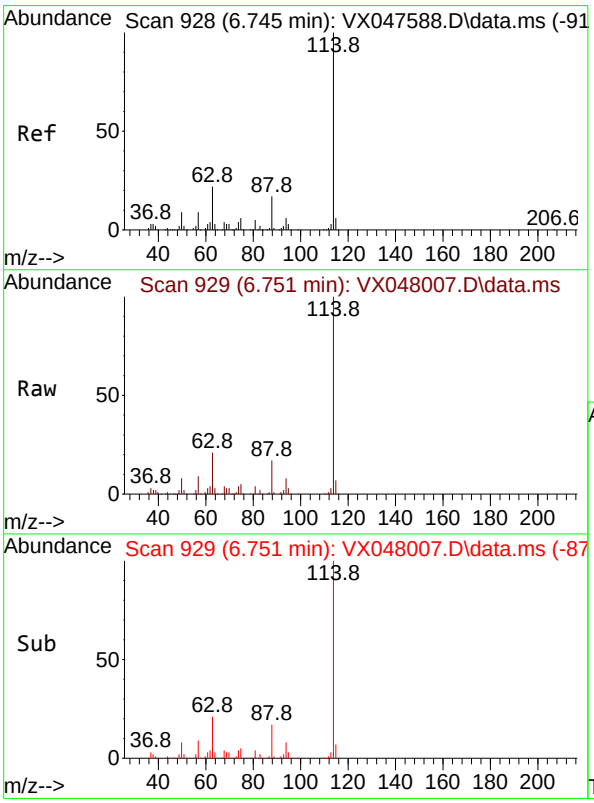
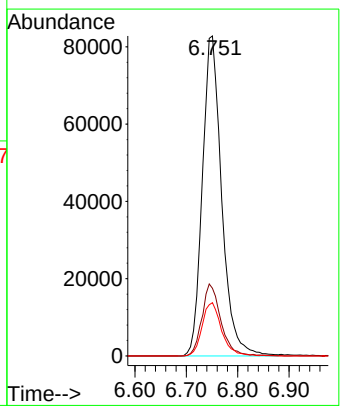
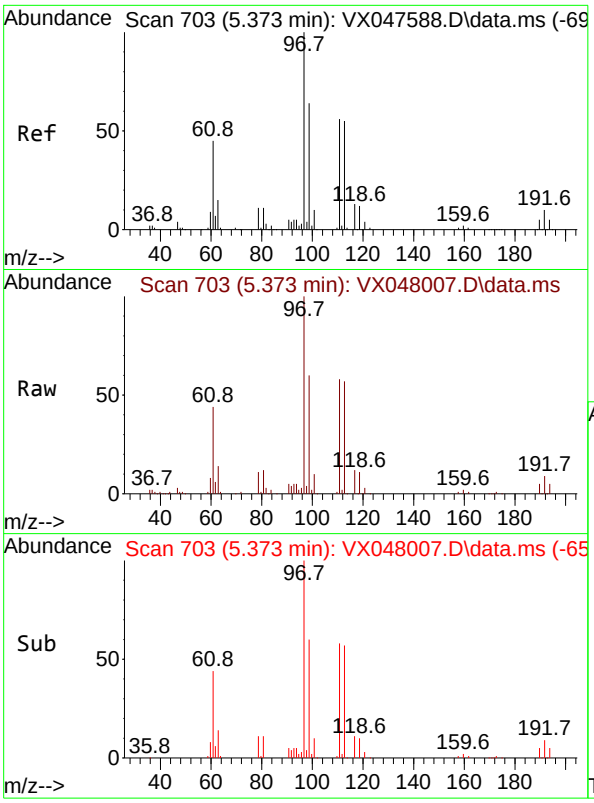


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:114 Resp: 216314

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	34.2

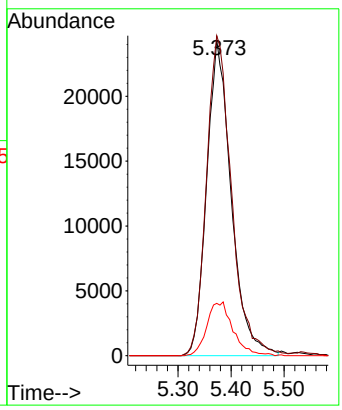




#35
Dibromofluoromethane
Concen: 53.749 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:113 Resp: 7797

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.2	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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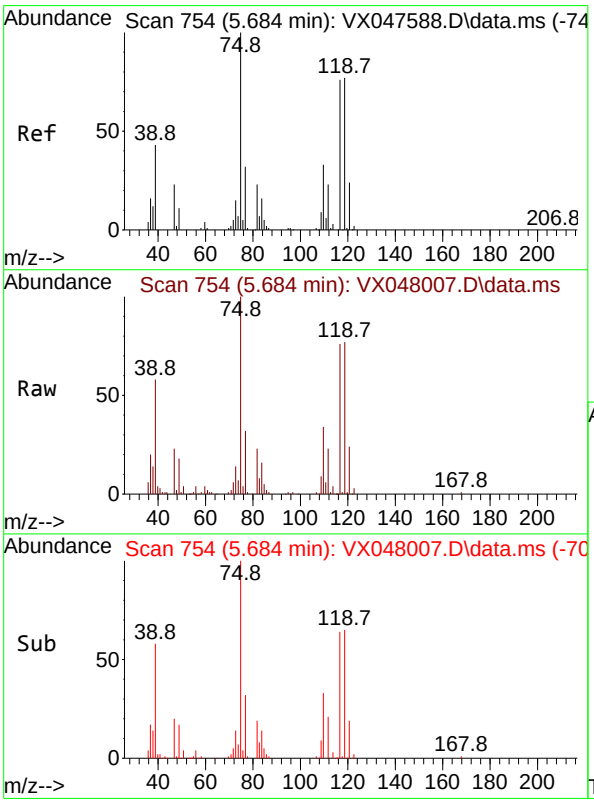
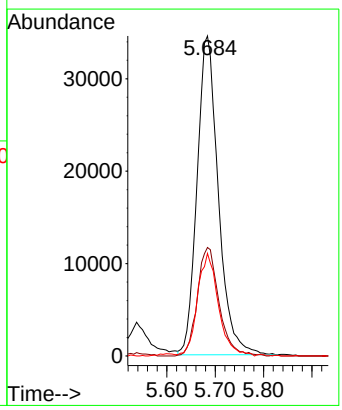
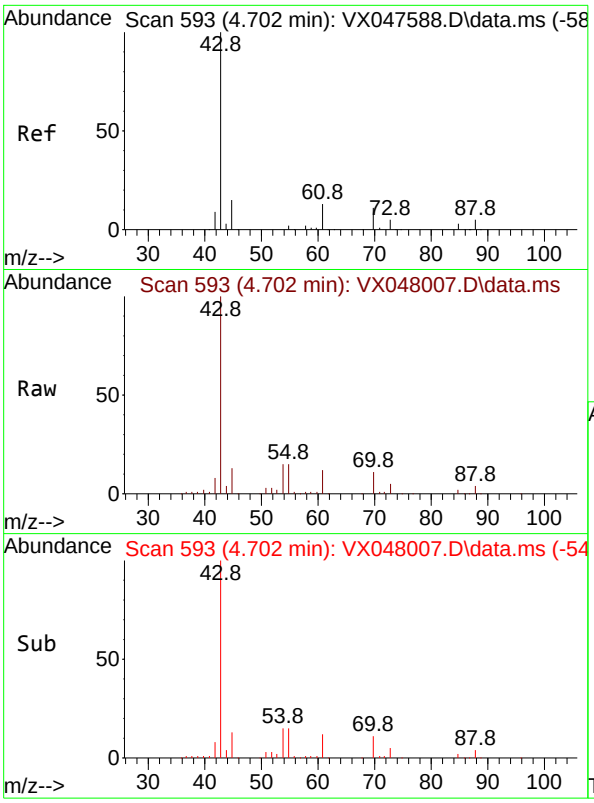


#36
1,1-Dichloropropene
Concen: 49.765 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 105494

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	31.6	24.3	36.5

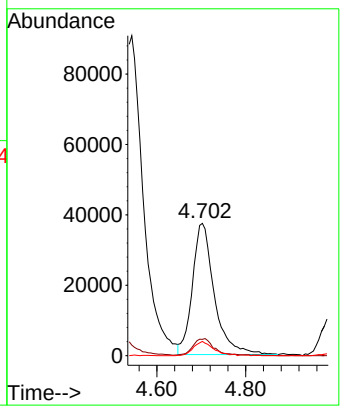




#37
Ethyl Acetate
Concen: 56.001 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 12710

Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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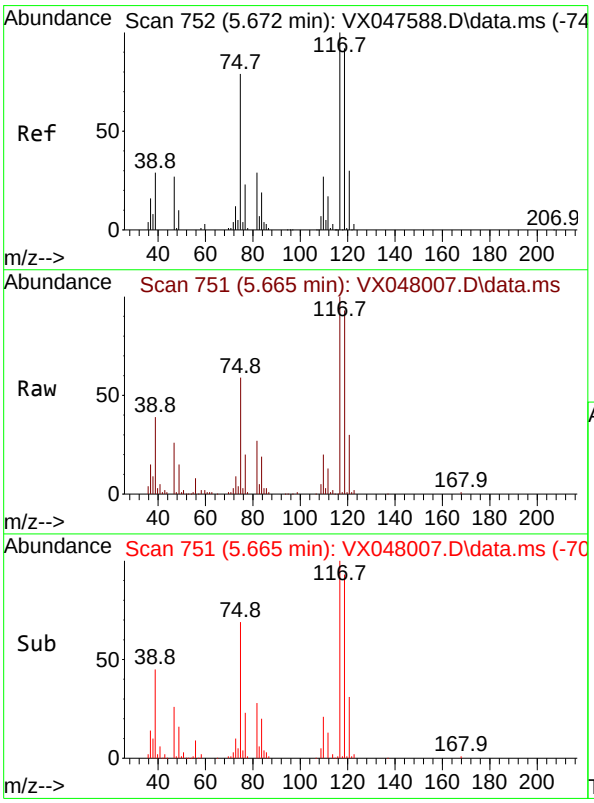
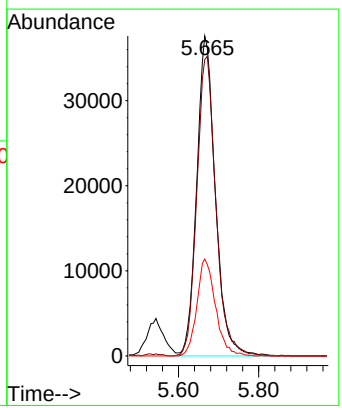
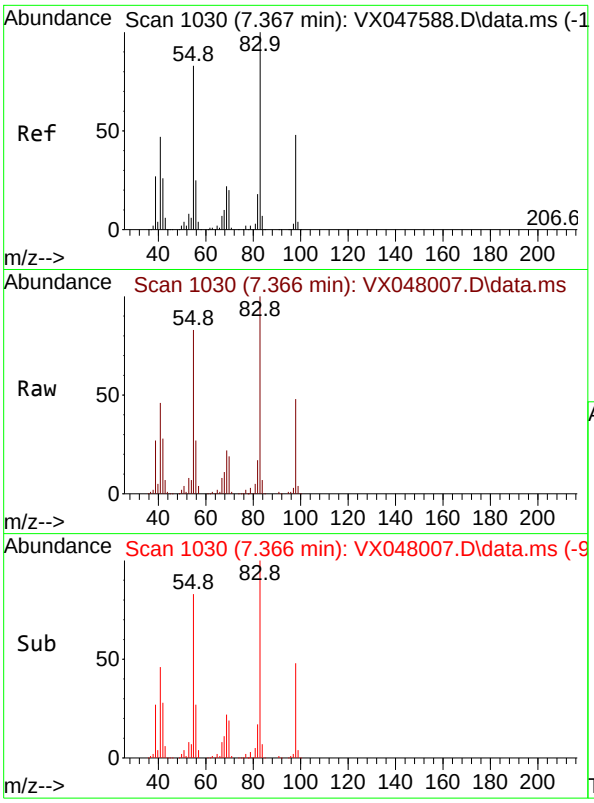


#38
Carbon Tetrachloride
Concen: 52.703 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 121389

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	30.3	23.8	35.6





#39
Methylcyclohexane
Concen: 47.695 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 11476

Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	48.2	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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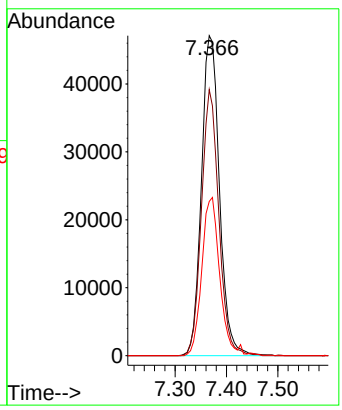
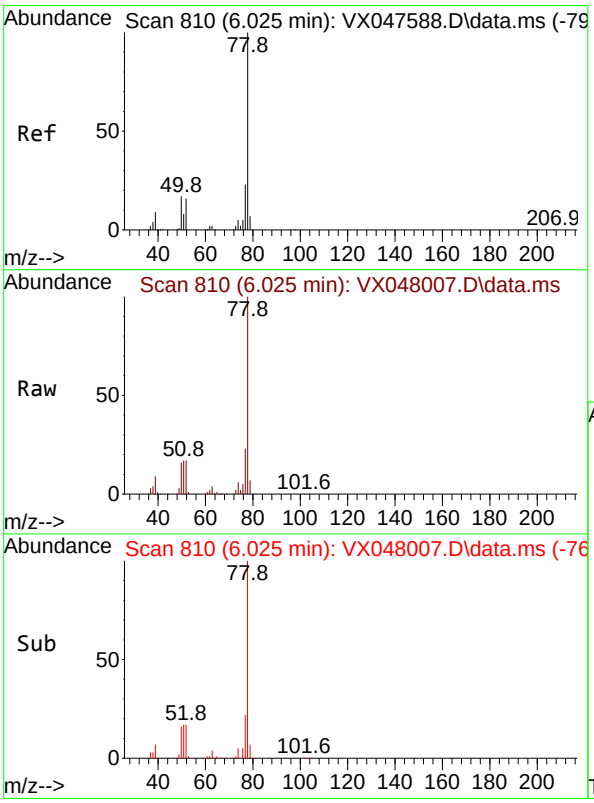
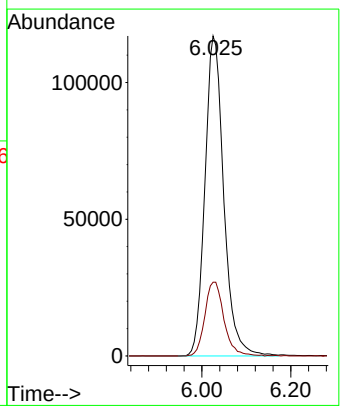


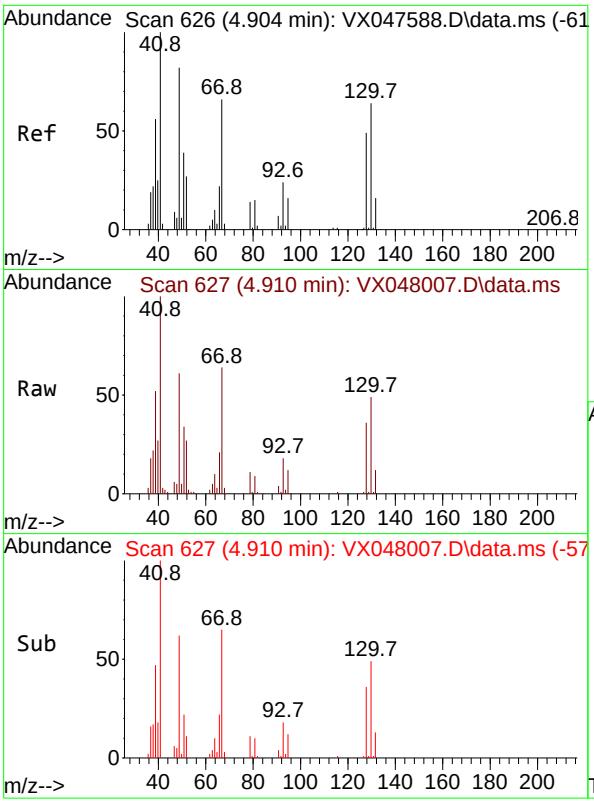


#40
Benzene
Concen: 53.474 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 78 Resp: 344294

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

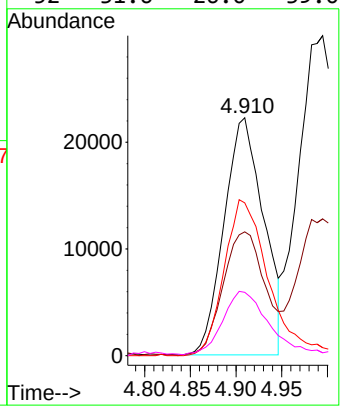




#41
Methacrylonitrile
Concen: 57.167 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 6698

Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.3	64.9
67	75.0	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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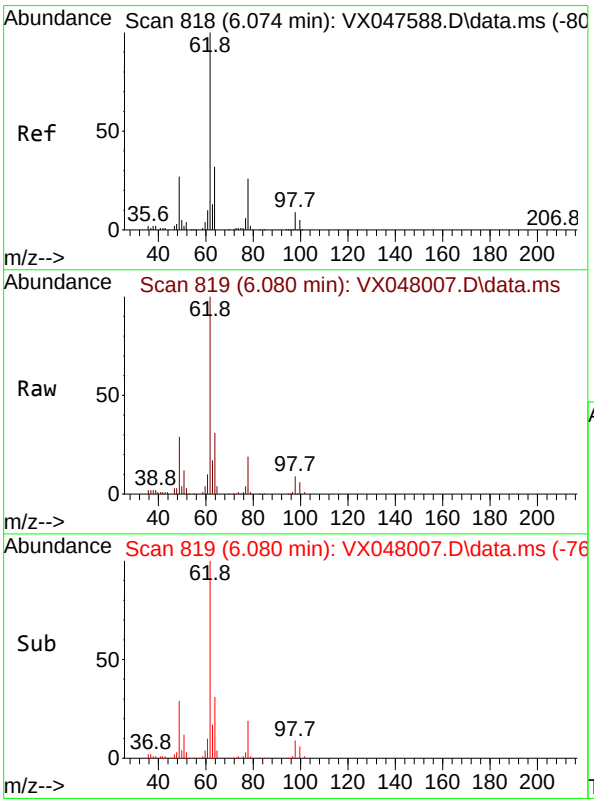
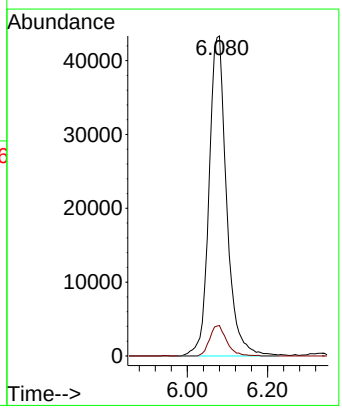
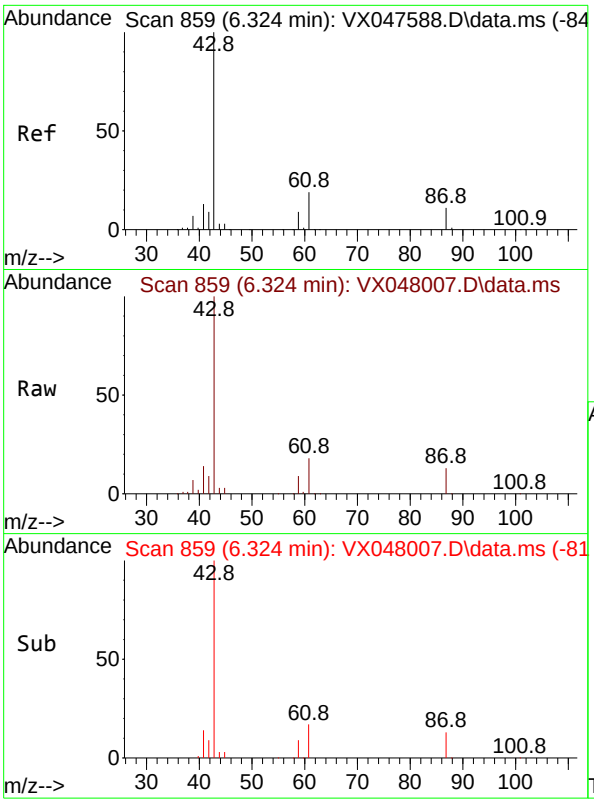


#42
1,2-Dichloroethane
Concen: 53.830 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 131871

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0

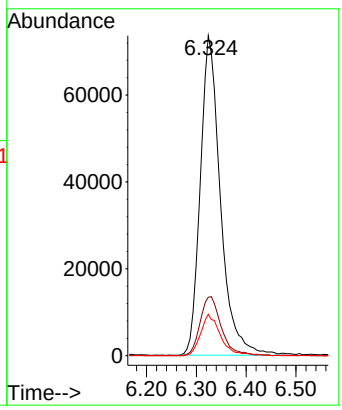




#43
Isopropyl Acetate
Concen: 55.494 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 20657

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	12.7	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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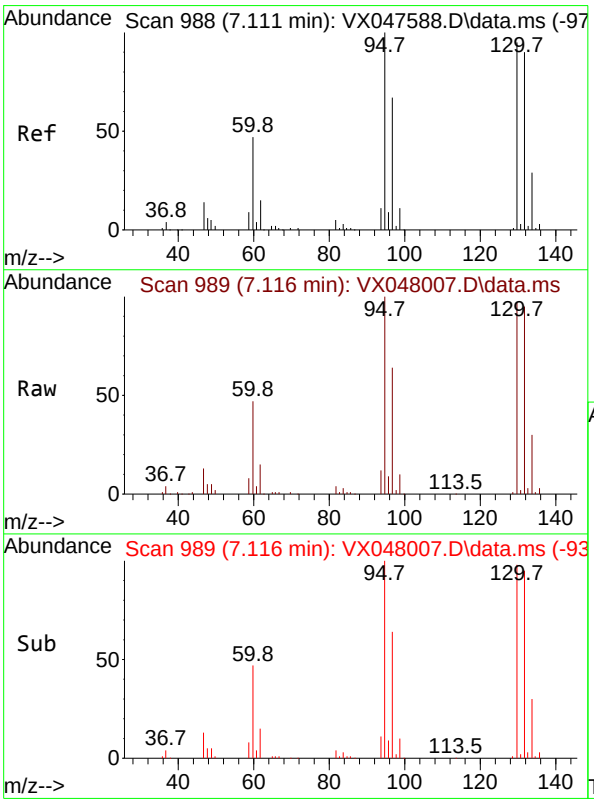
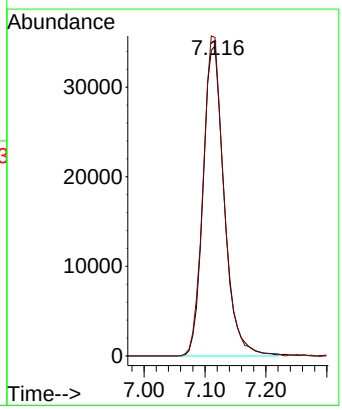
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

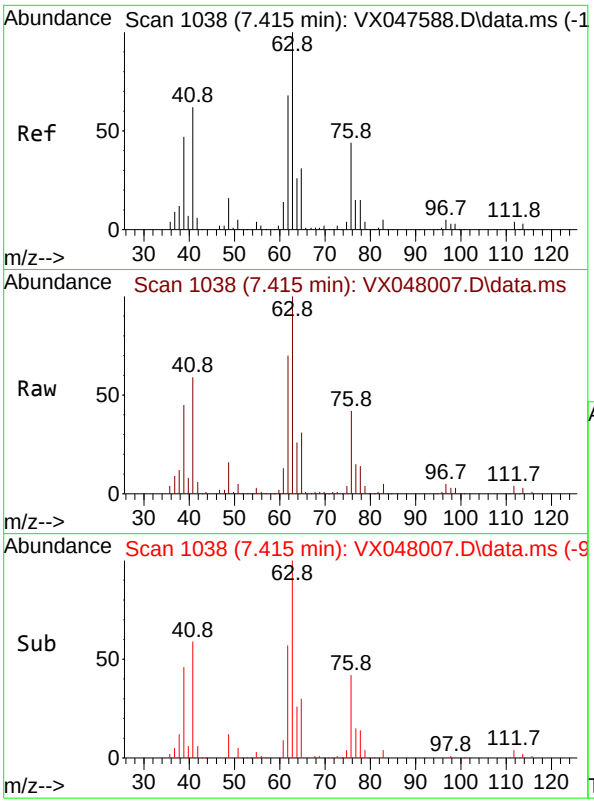


#44
Trichloroethene
Concen: 53.481 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:130 Resp: 83248

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	210.8

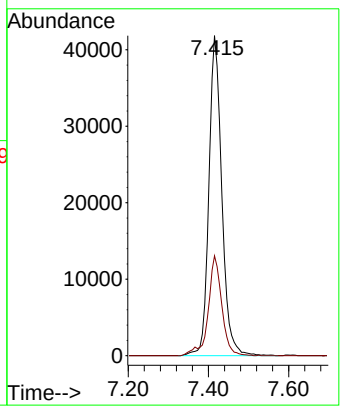




#45
1,2-Dichloropropane
Concen: 56.766 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 9358

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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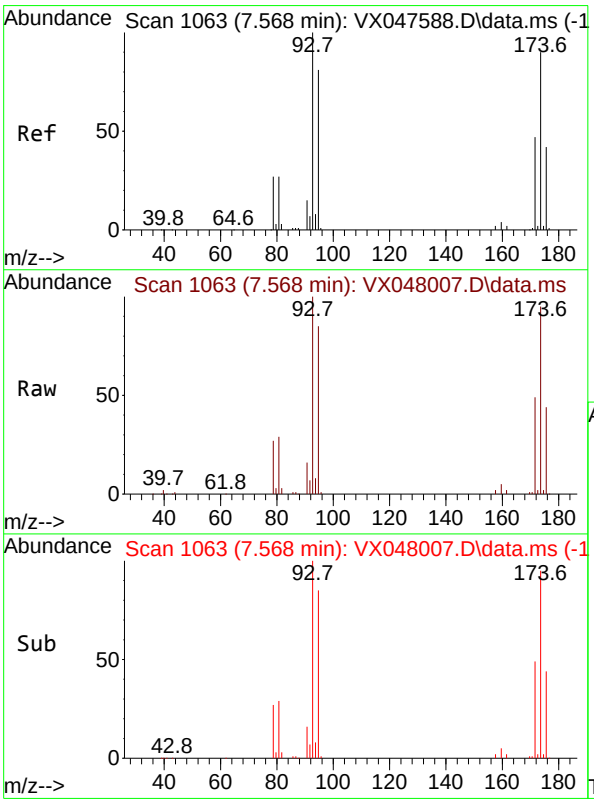
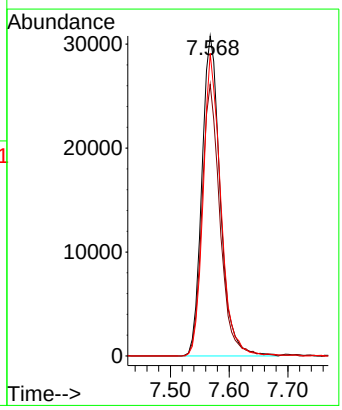
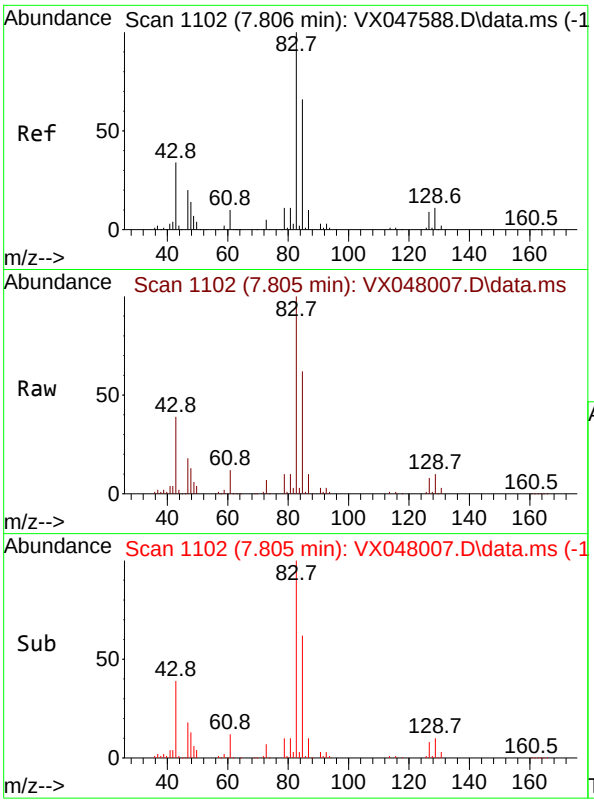


#46
Dibromomethane
Concen: 55.847 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 93 Resp: 67001

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.6
174	90.2	71.6	107.4





#47
Bromodichloromethane
Concen: 56.708 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 14039

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.5	78.7
127	8.3	6.9	10.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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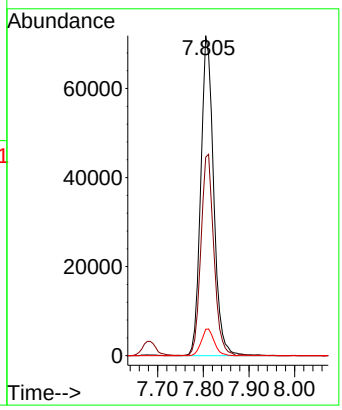
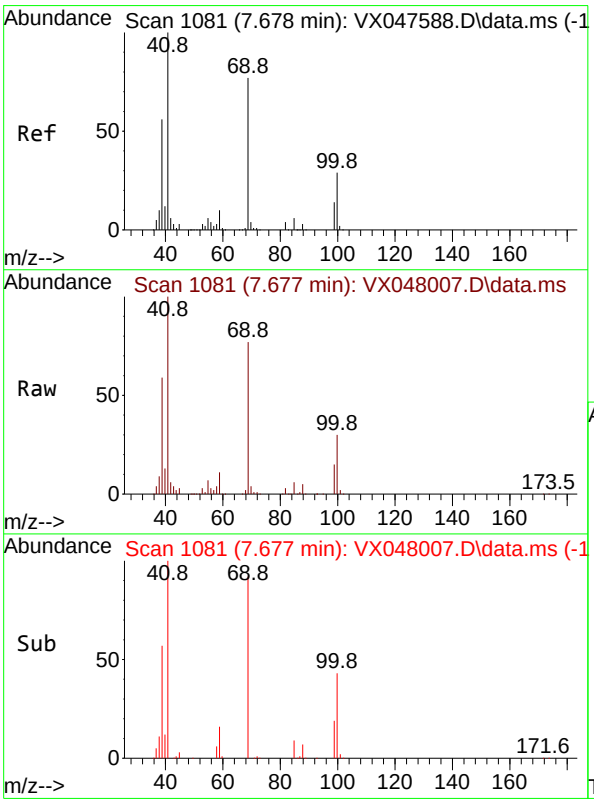
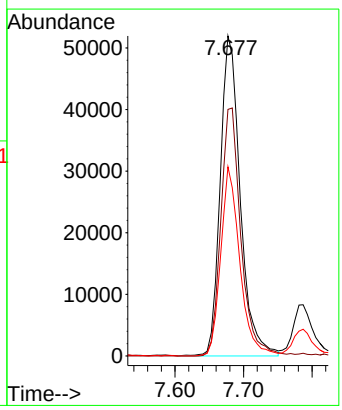


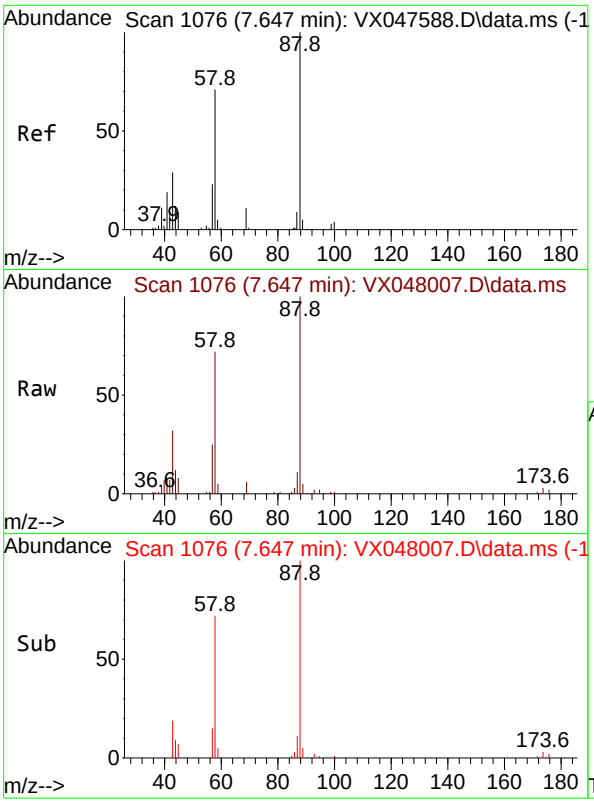


#48
Methyl methacrylate
Concen: 56.718 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 105169

Ion	Ratio	Lower	Upper
41	100		
69	77.7	61.4	92.2
39	56.3	45.8	68.6

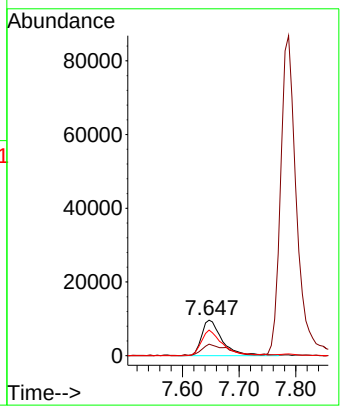




#49
1,4-Dioxane
Concen: 1302.577 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 88 Resp: 2440

Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.2	45.2
58	72.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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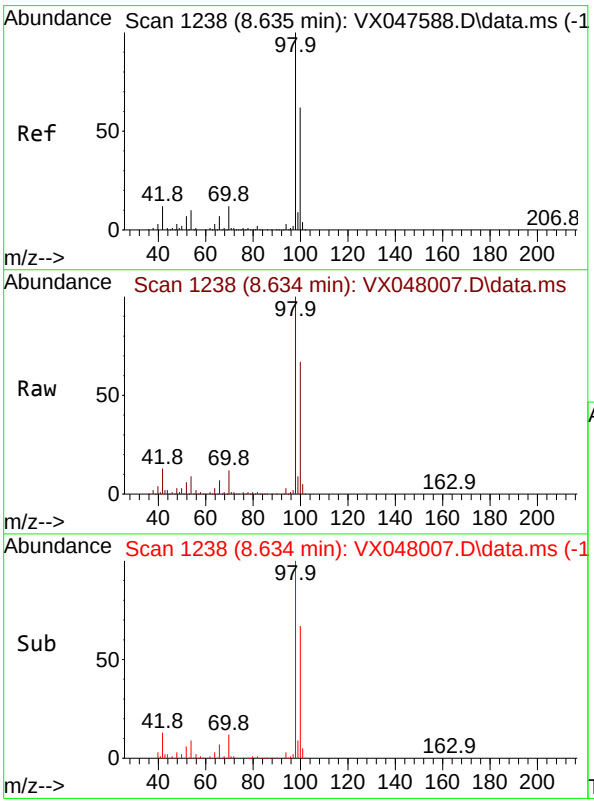
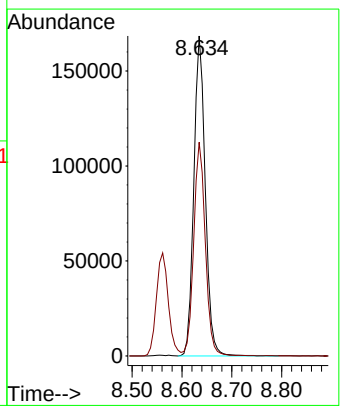
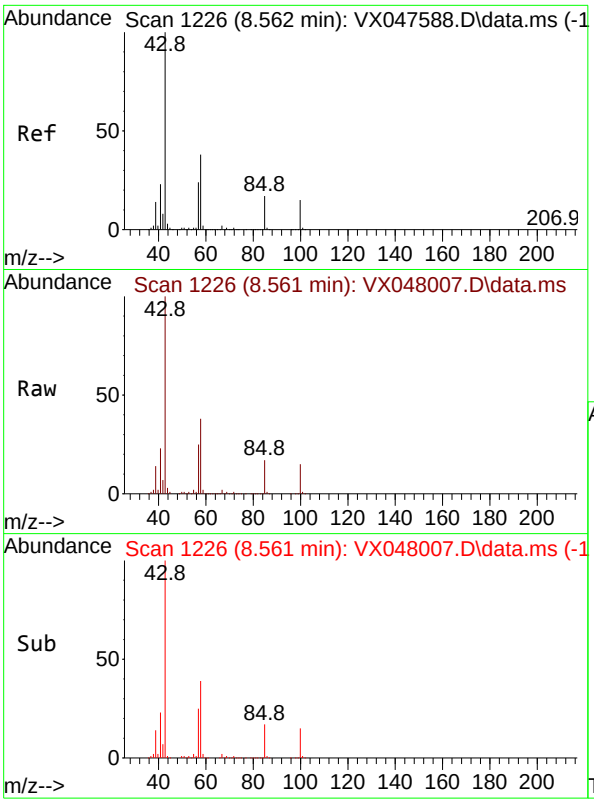


#50
Toluene-d8
Concen: 53.538 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 98 Resp: 268747

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 305.381 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 63028

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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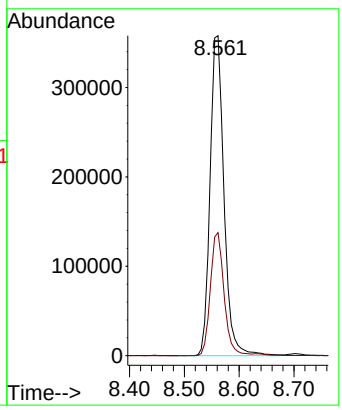
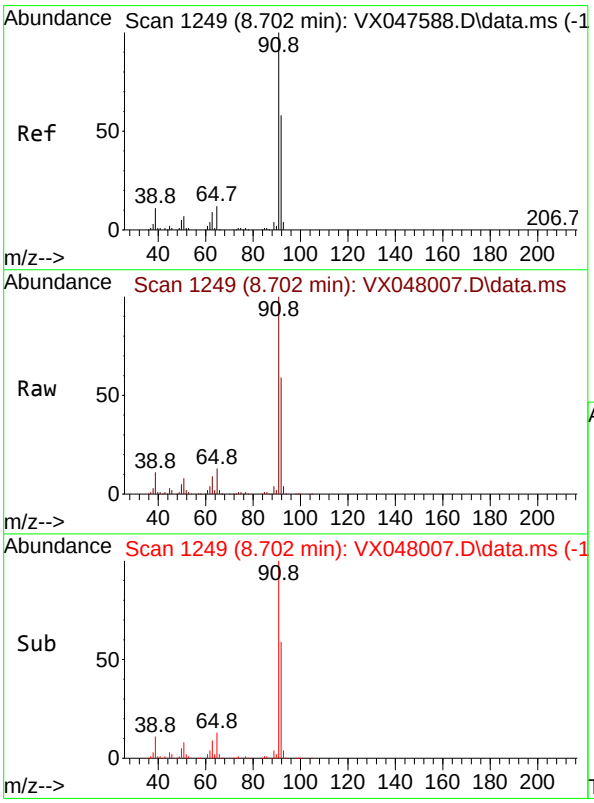
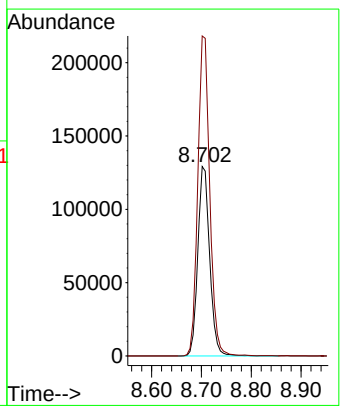


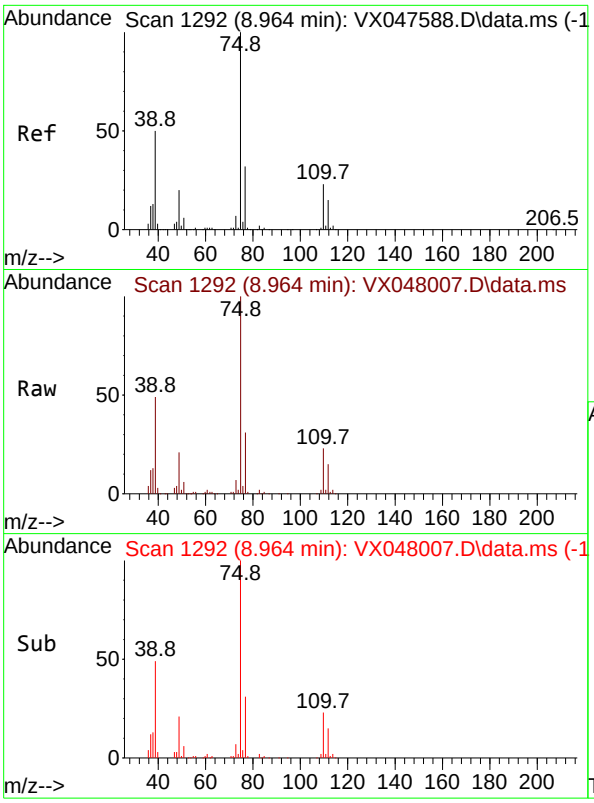


#52
Toluene
Concen: 53.771 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 92 Resp: 213298

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.1	205.7

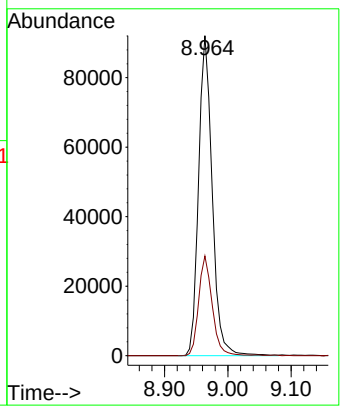




#53
t-1,3-Dichloropropene
Concen: 54.707 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 13815

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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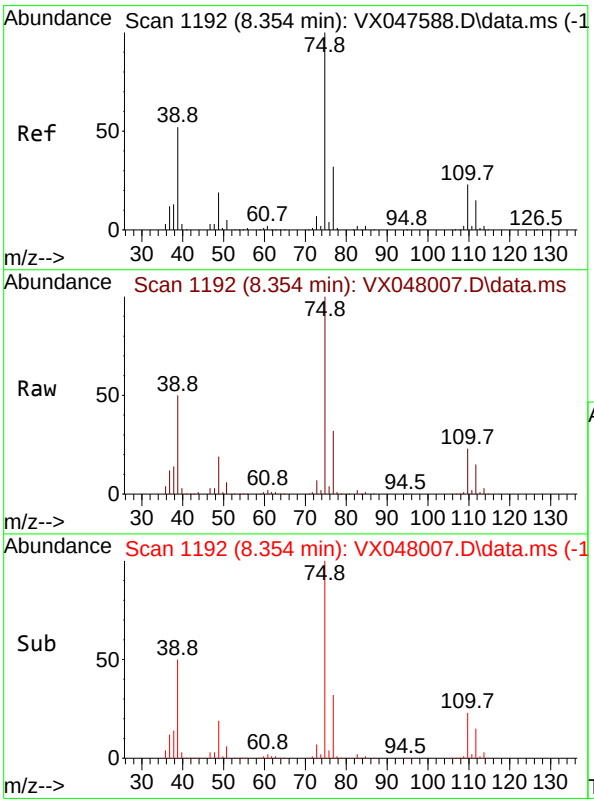
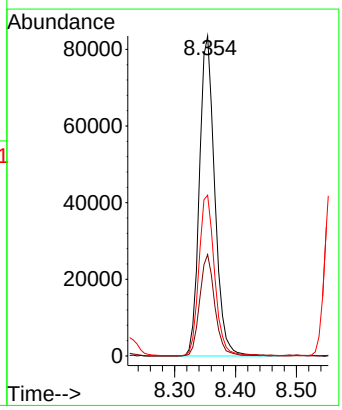
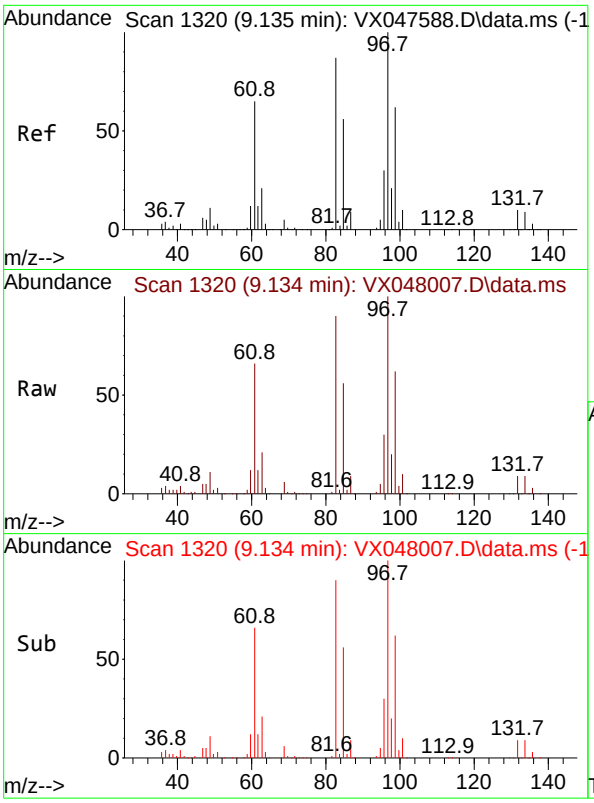


#54
cis-1,3-Dichloropropene
Concen: 54.069 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 145937

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	50.1	41.4	62.2

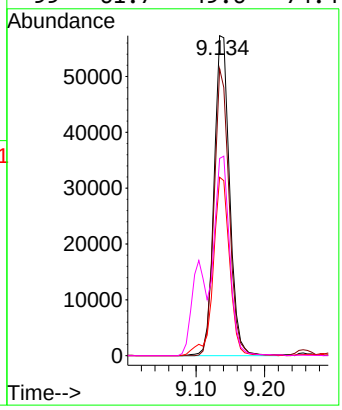




#55
1,1,2-Trichloroethane
Concen: 58.812 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 97 Resp: 8995

Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.6	104.4
85	55.7	45.0	67.6
99	61.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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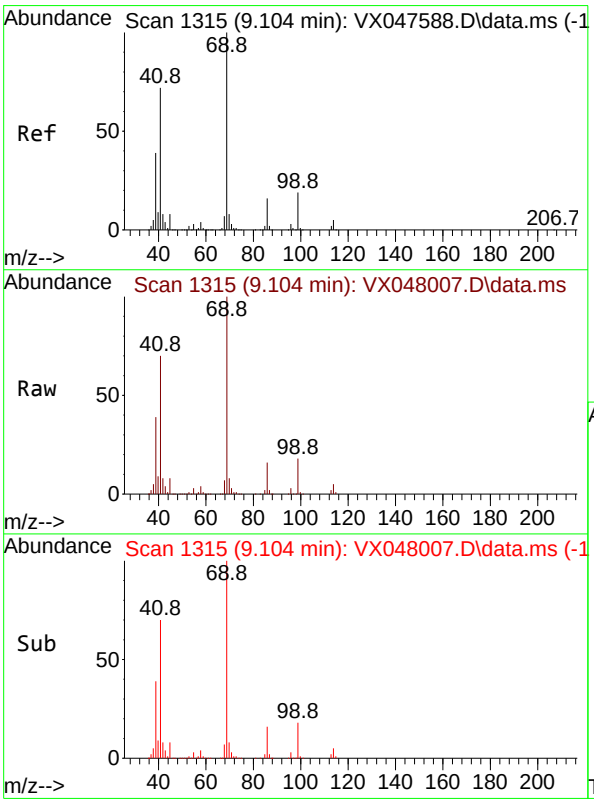
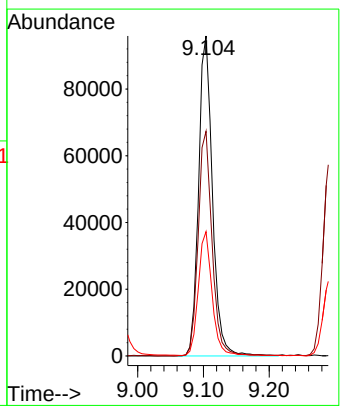
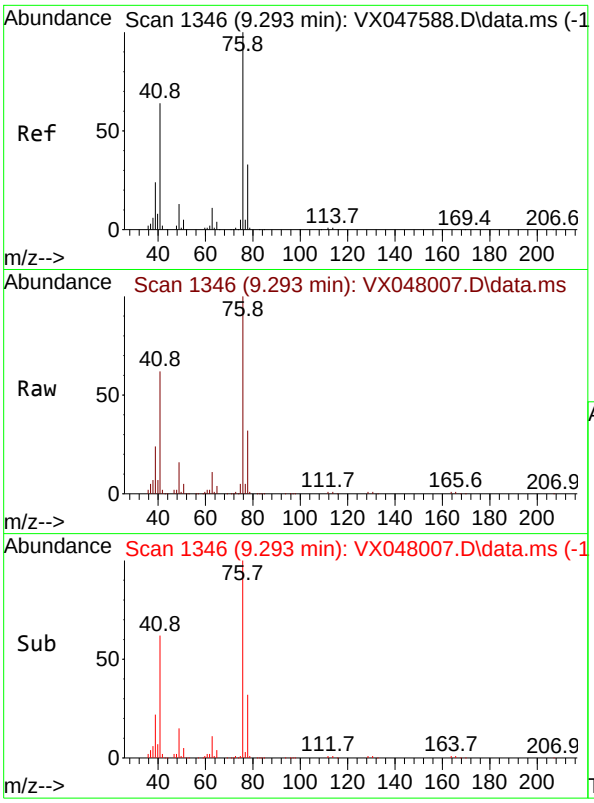


#56
Ethyl methacrylate
Concen: 58.399 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 69 Resp: 140282

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.4	31.5	47.3

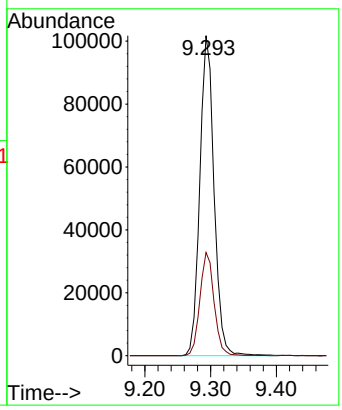




#57
1,3-Dichloropropane
Concen: 58.287 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 76 Resp: 15315

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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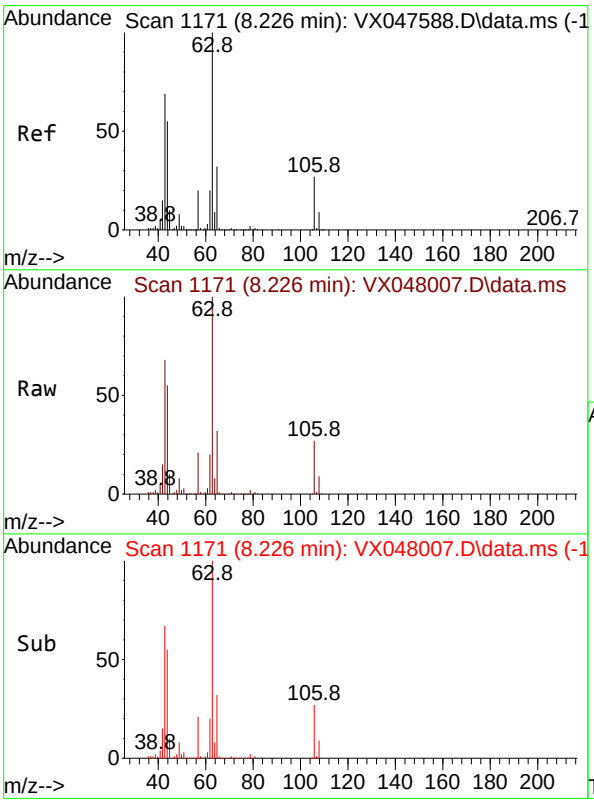
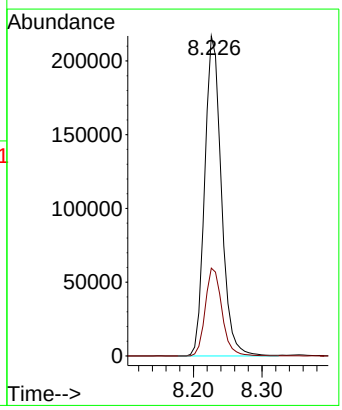
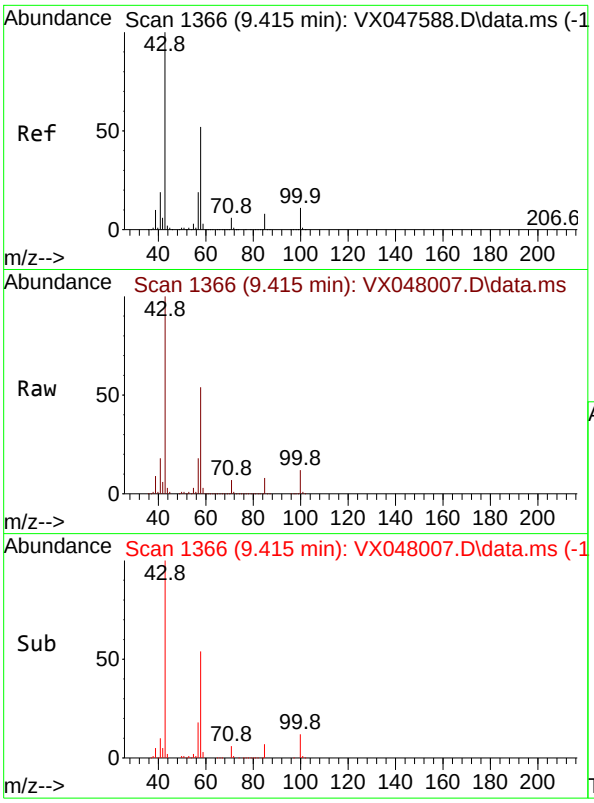


#58
2-Chloroethyl Vinyl ether
Concen: 314.582 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 367023

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9





#59
2-Hexanone
Concen: 295.111 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 43745

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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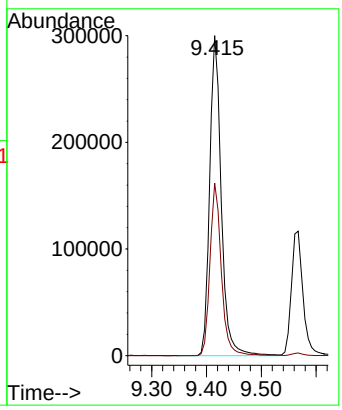
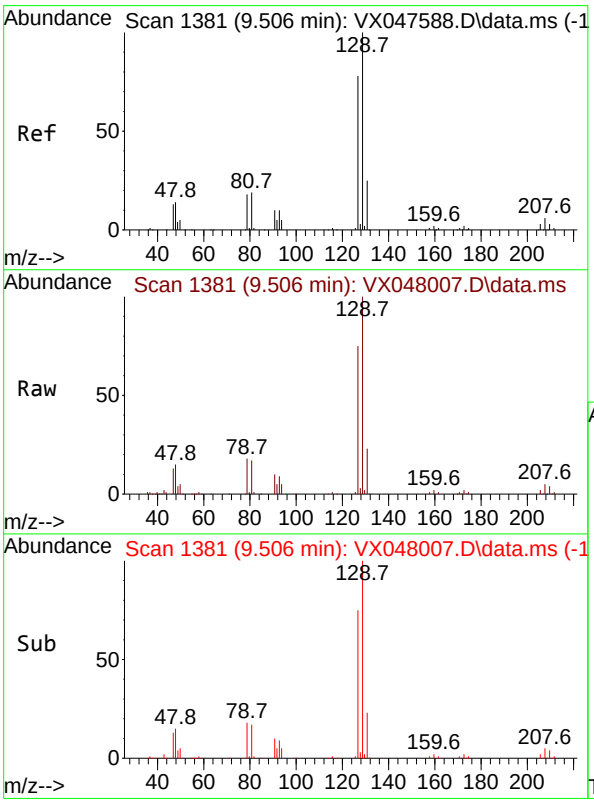
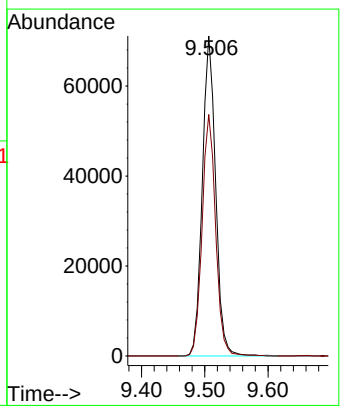


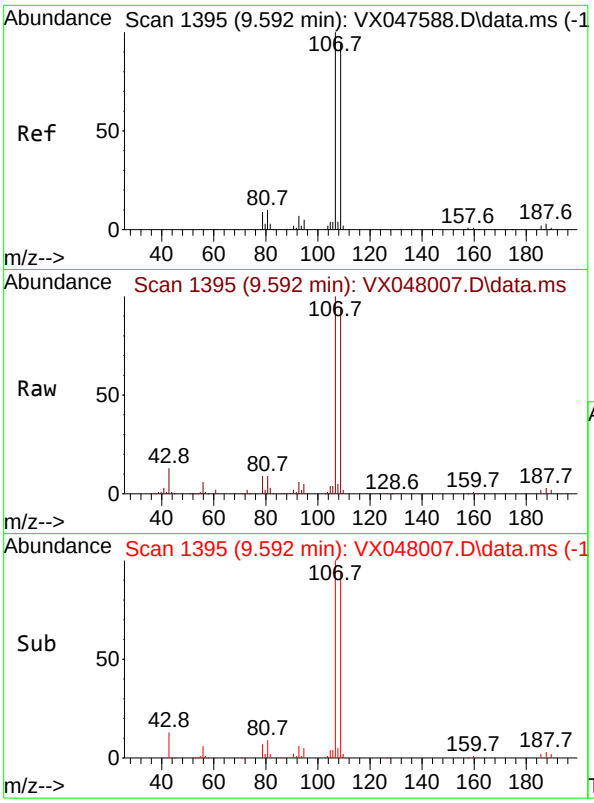


#60
Dibromochloromethane
Concen: 59.125 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:129 Resp: 104201

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.4	115.2





#61
1,2-Dibromoethane
Concen: 59.155 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:107 Resp: 9215

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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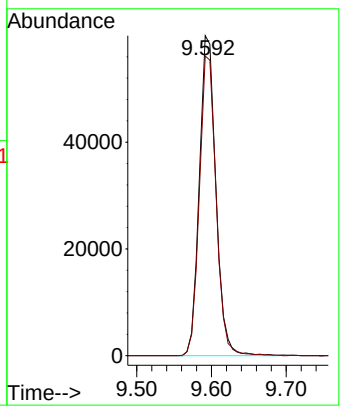
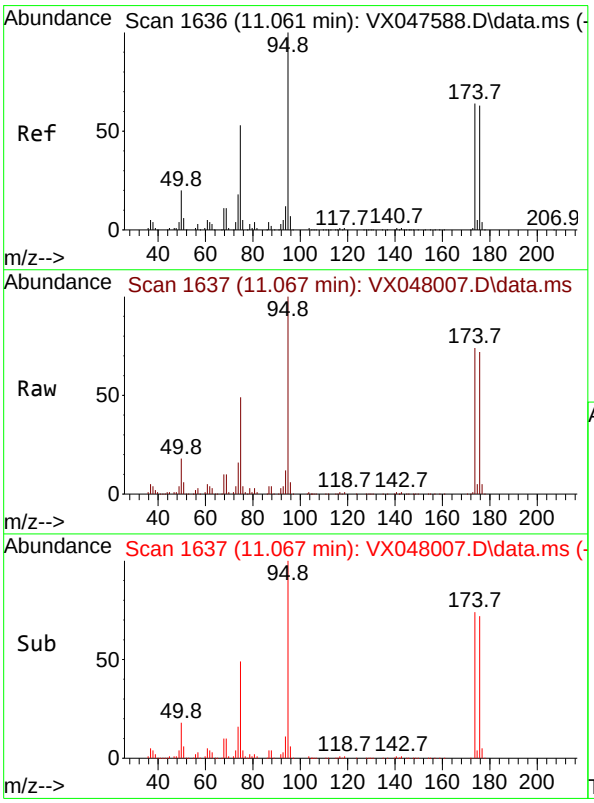
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

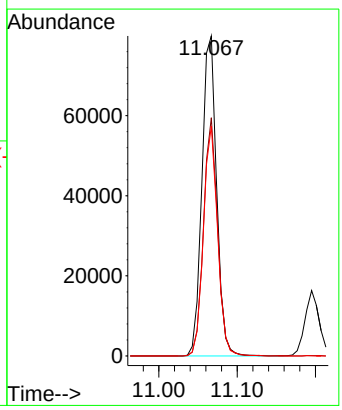


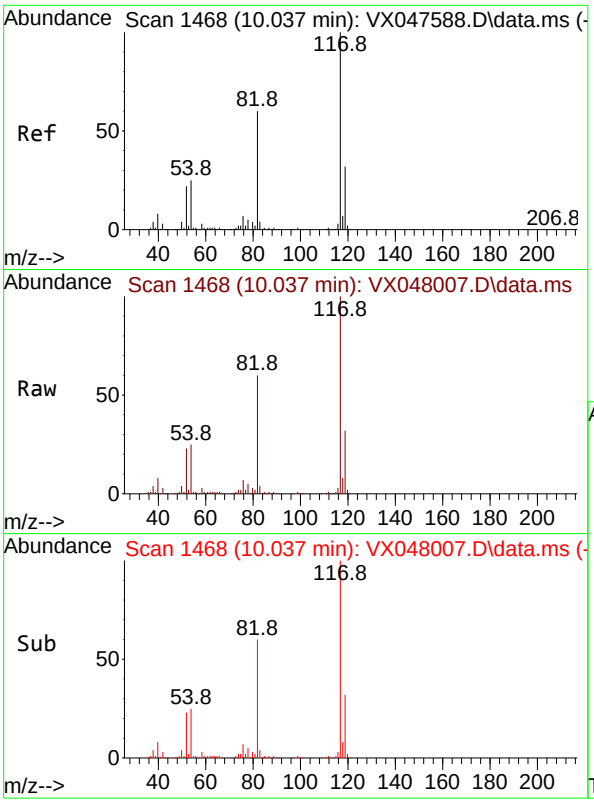


#62
4-Bromofluorobenzene
Concen: 54.596 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 95 Resp: 104011

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.2	0.0	138.4

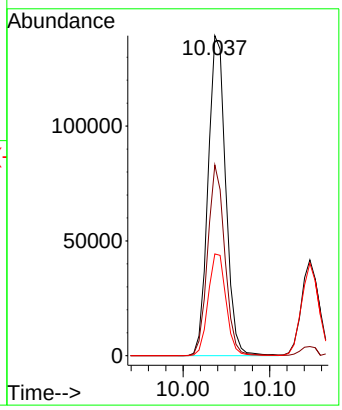




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 19713

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	31.8	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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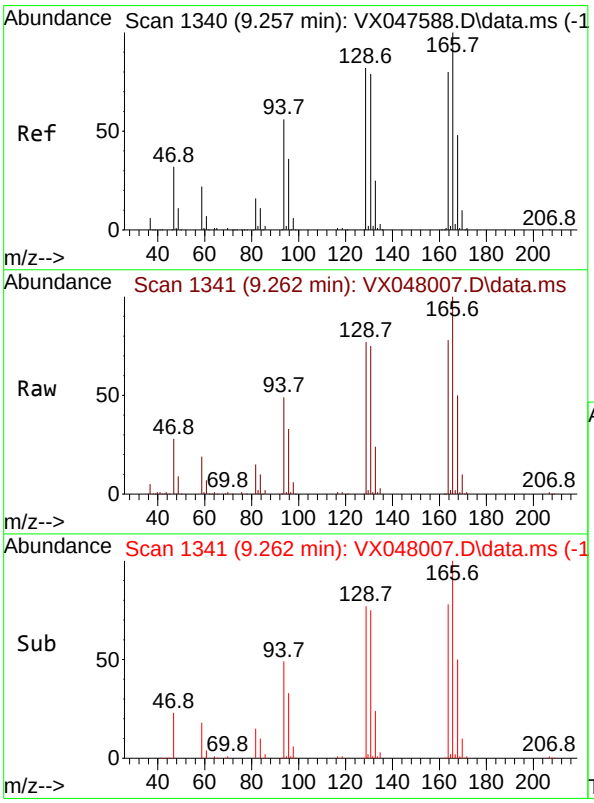
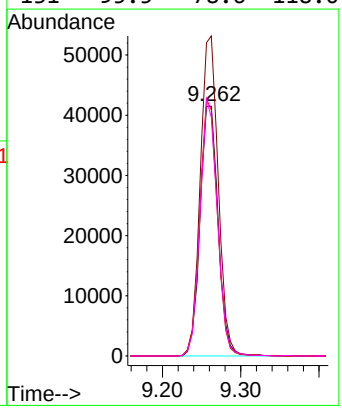
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

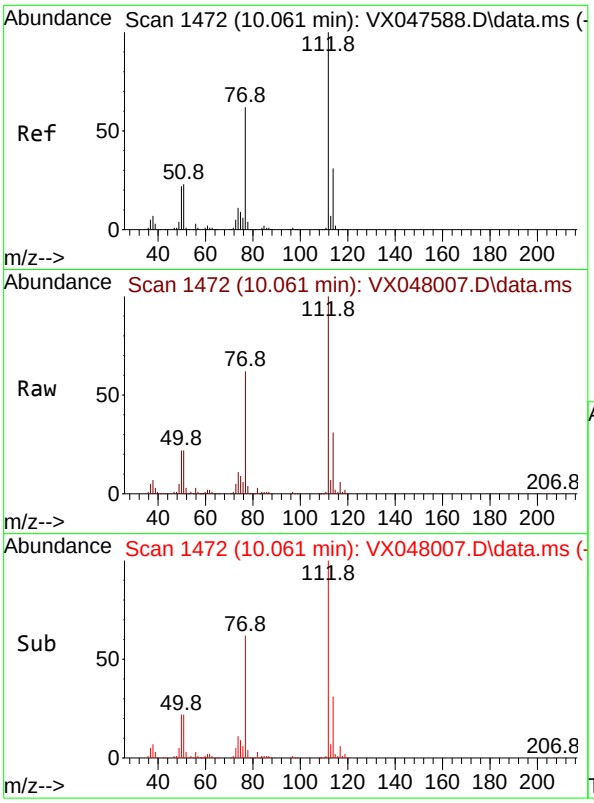


#64
Tetrachloroethene
Concen: 51.587 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:164 Resp: 66296

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.2	150.2
129	98.5	81.8	122.6
131	95.5	78.6	118.0





#65
Chlorobenzene
Concen: 54.082 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:112 Resp: 24221

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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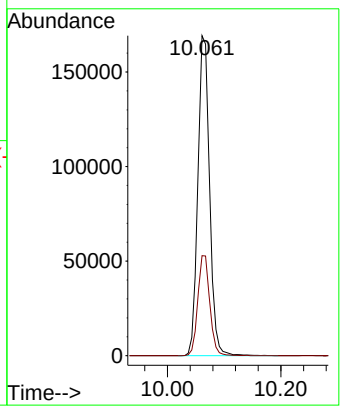
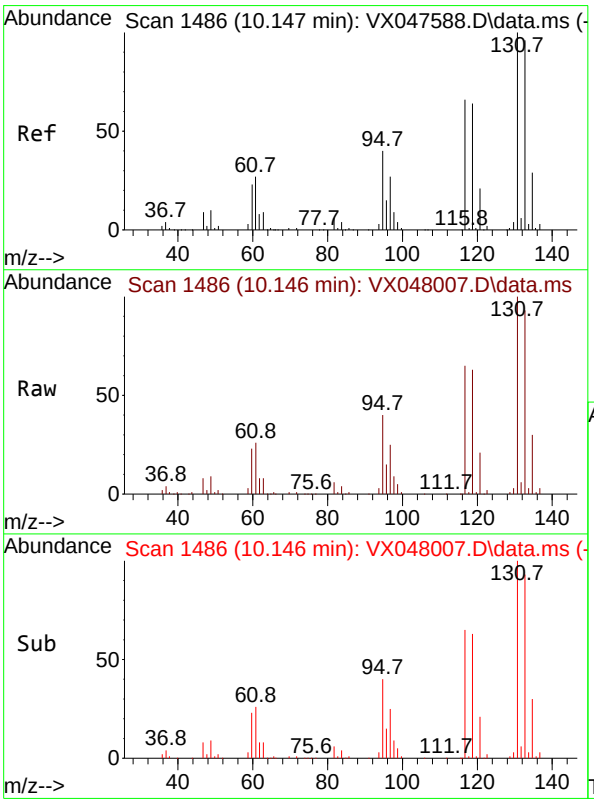
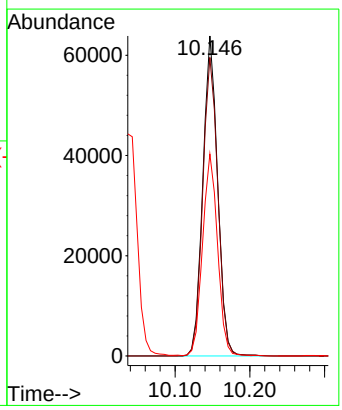


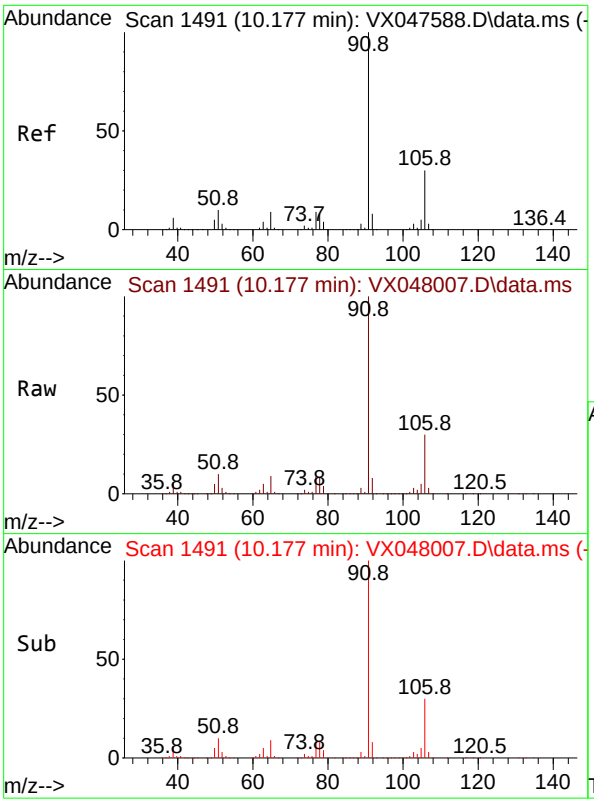


#66
1,1,1,2-Tetrachloroethane
Concen: 56.702 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:131 Resp: 87628

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	142.0
119	64.2	32.0	96.0





#67
Ethyl Benzene
Concen: 53.354 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 41228

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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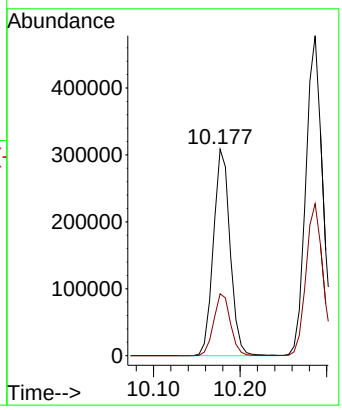
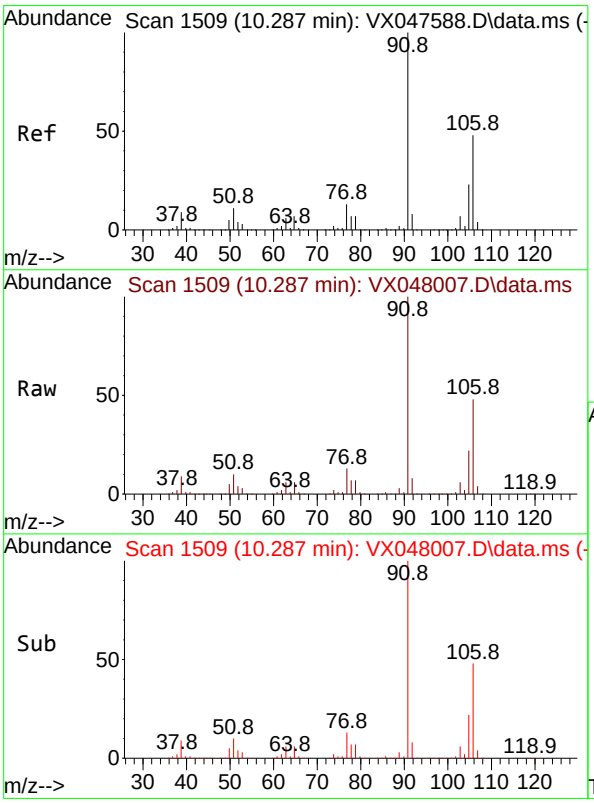
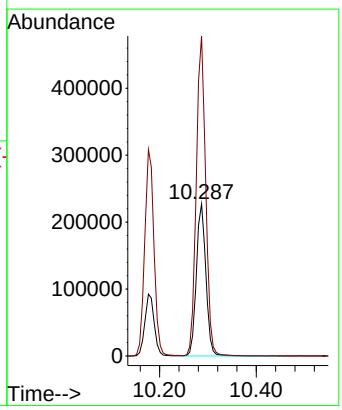


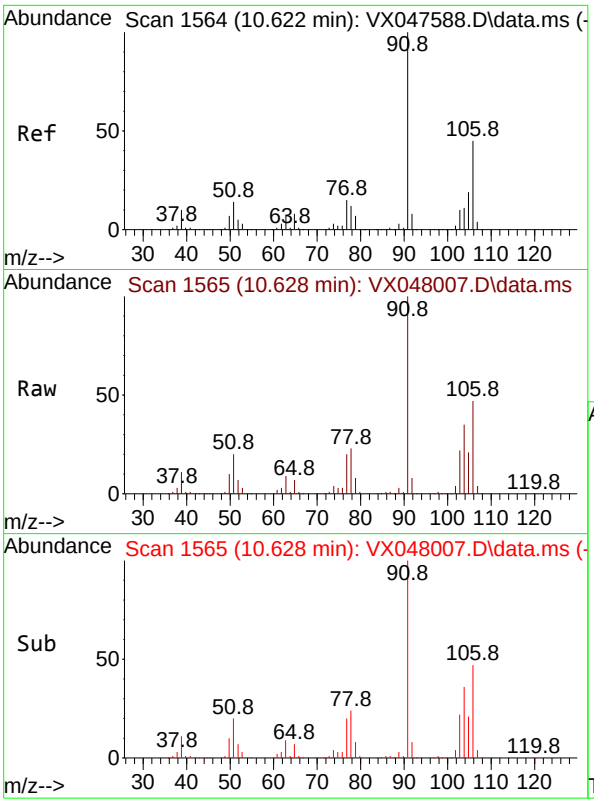


#68
m/p-Xylenes
Concen: 107.446 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:106 Resp: 309036

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8





#69
o-Xylene
Concen: 54.003 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:106 Resp: 15023

Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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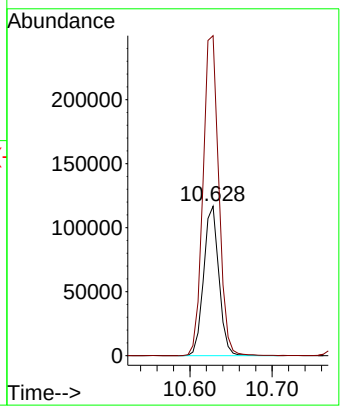
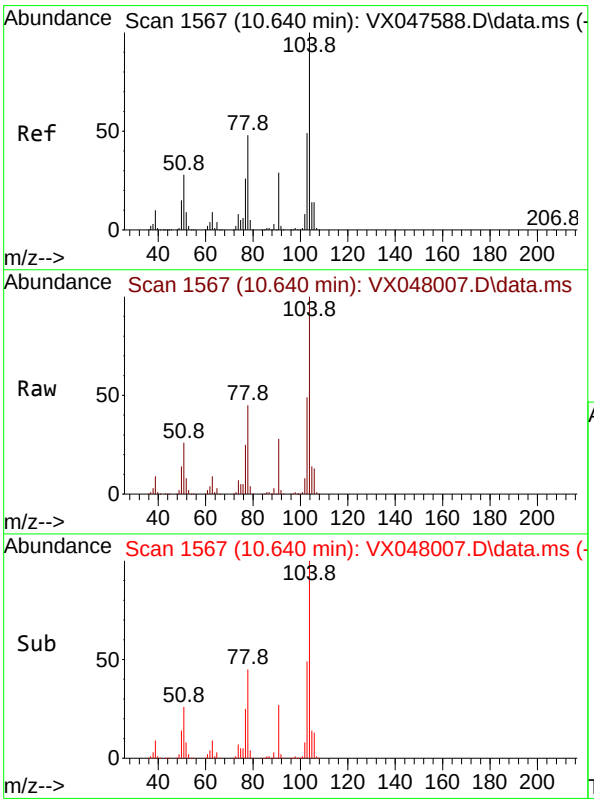
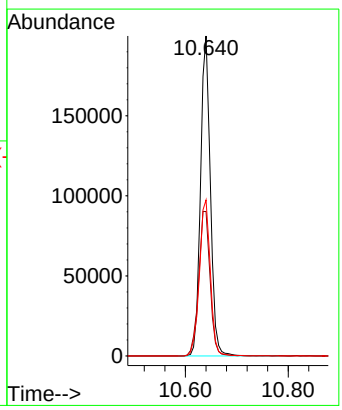


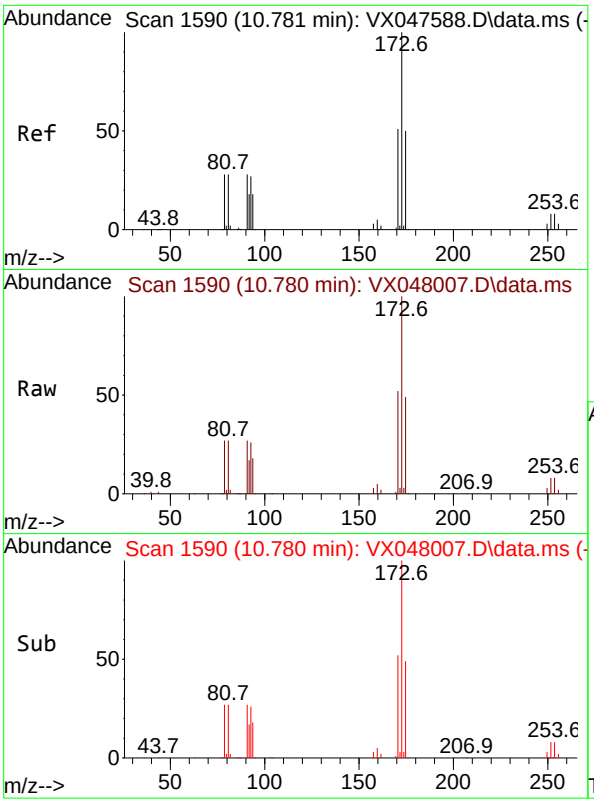


#70
Styrene
Concen: 54.501 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:104 Resp: 265668

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.1	43.1	64.7

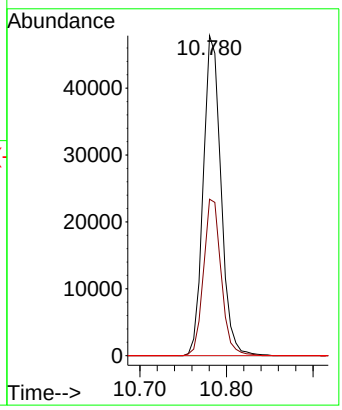




#71
Bromoform
Concen: 58.896 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:173 Resp: 6796

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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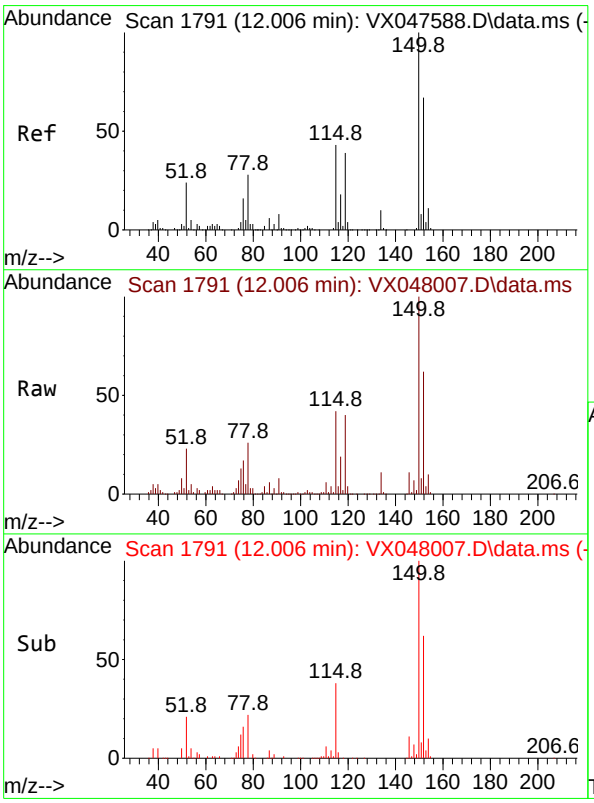
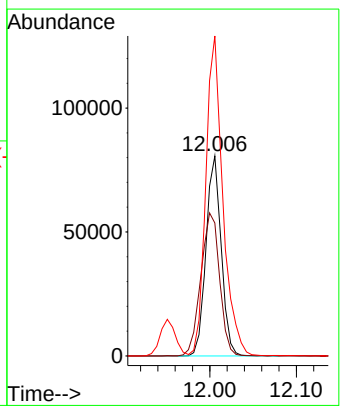
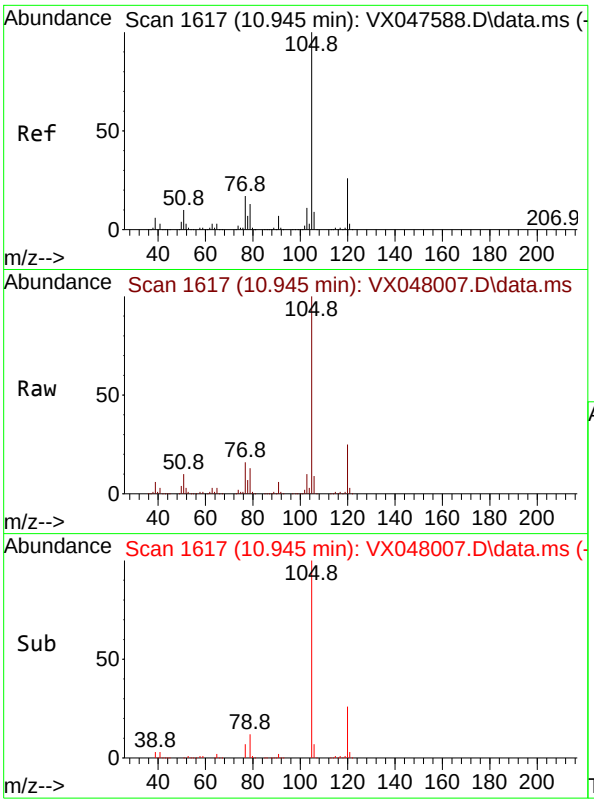


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:152 Resp: 98396

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.9	134.5
150	178.9	0.0	352.0

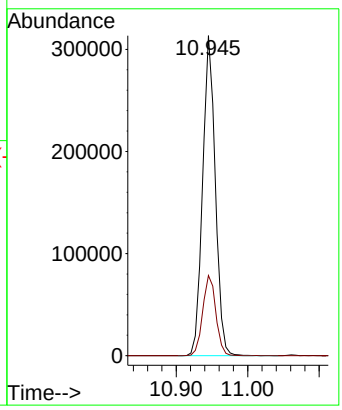




#73
Isopropylbenzene
Concen: 51.600 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 38600

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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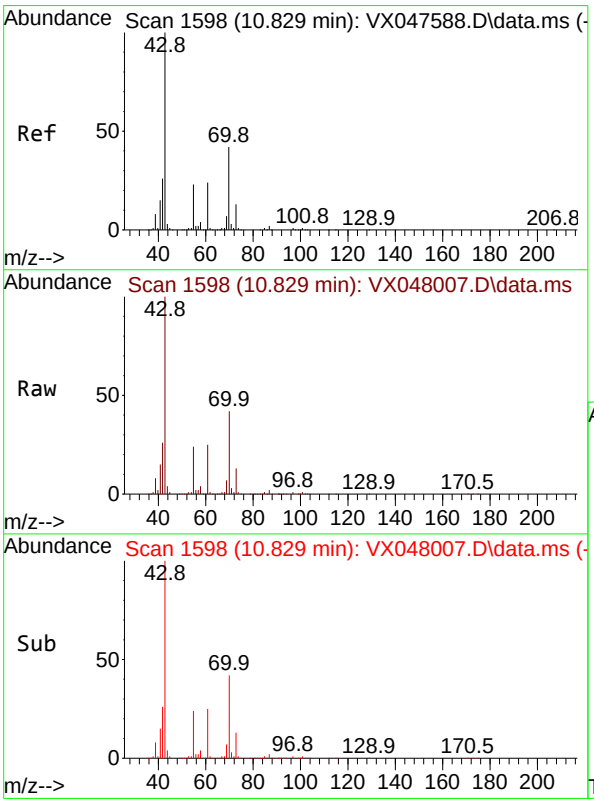
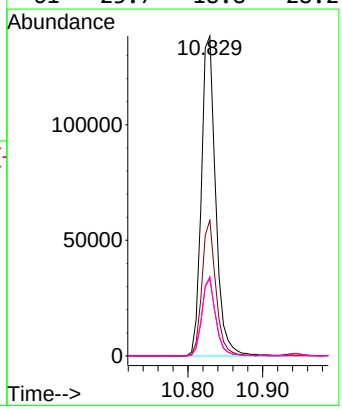
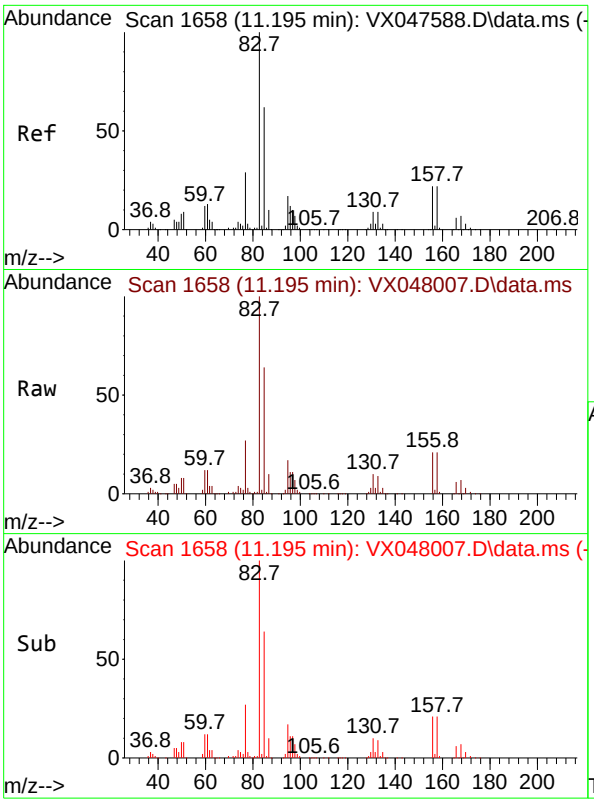


#74
N-amyl acetate
Concen: 53.851 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 183701

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.0	48.0
55	23.7	18.9	28.3
61	23.7	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 57.788 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 13079

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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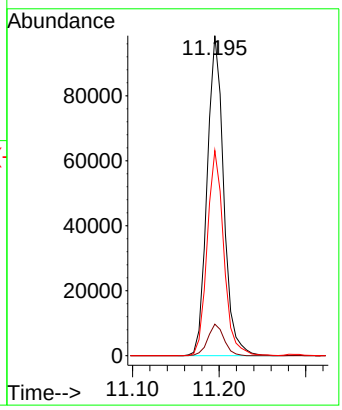
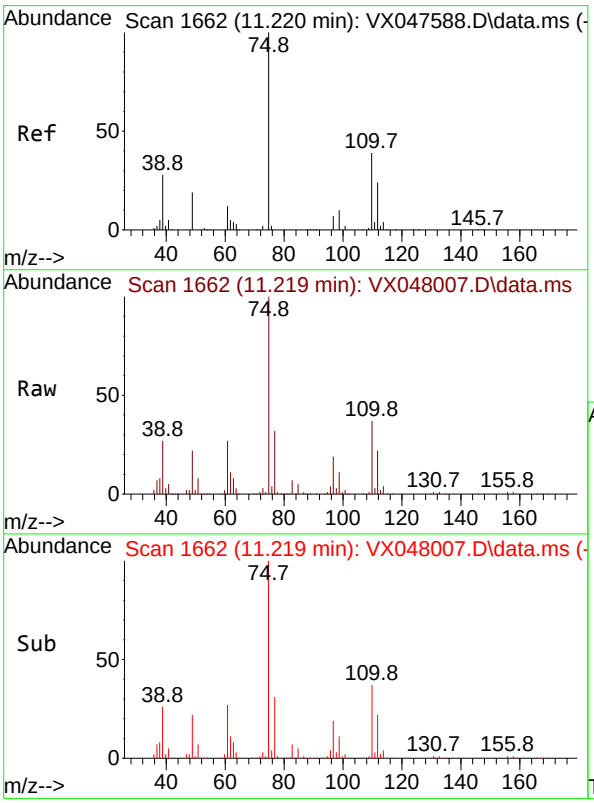
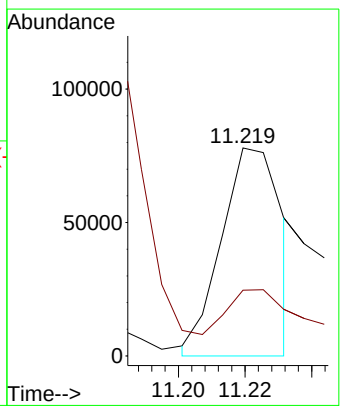


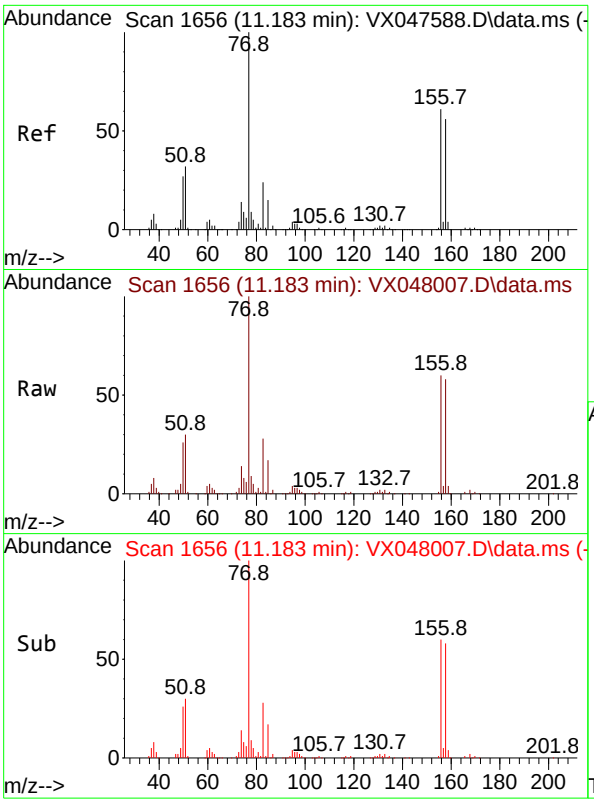


#76
1,2,3-Trichloropropane
Concen: 49.033 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 97685

Ion	Ratio	Lower	Upper
75	100		
77	45.1	18.8	56.4

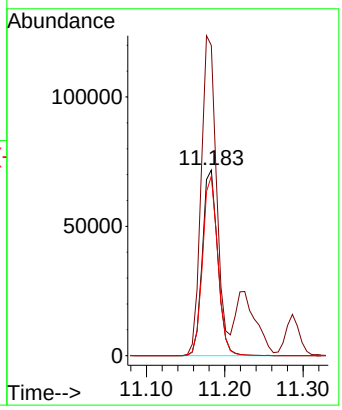




#77
Bromobenzene
Concen: 52.685 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:156 Resp: 9706

Ion	Ratio	Lower	Upper
156	100		
77	174.7	89.7	269.1
158	96.3	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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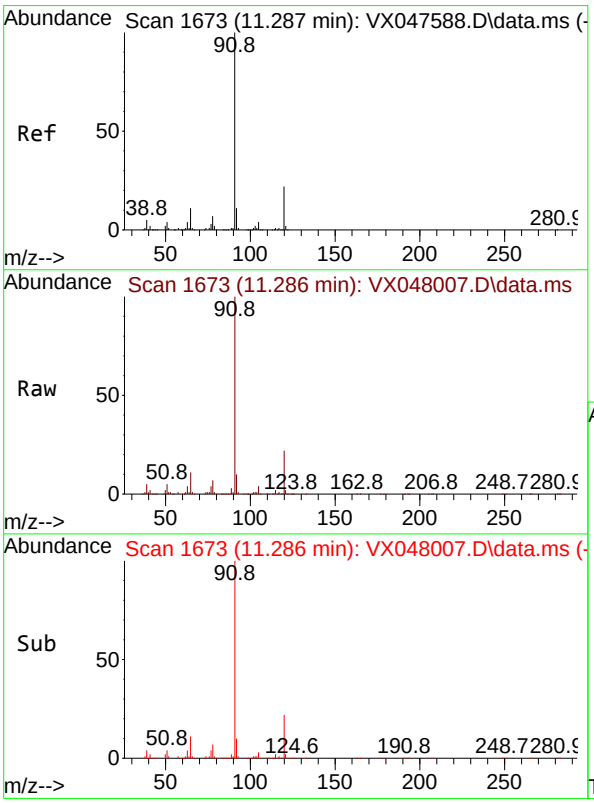
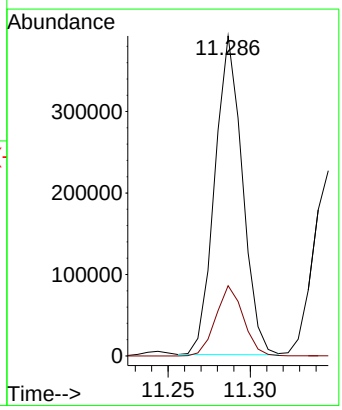
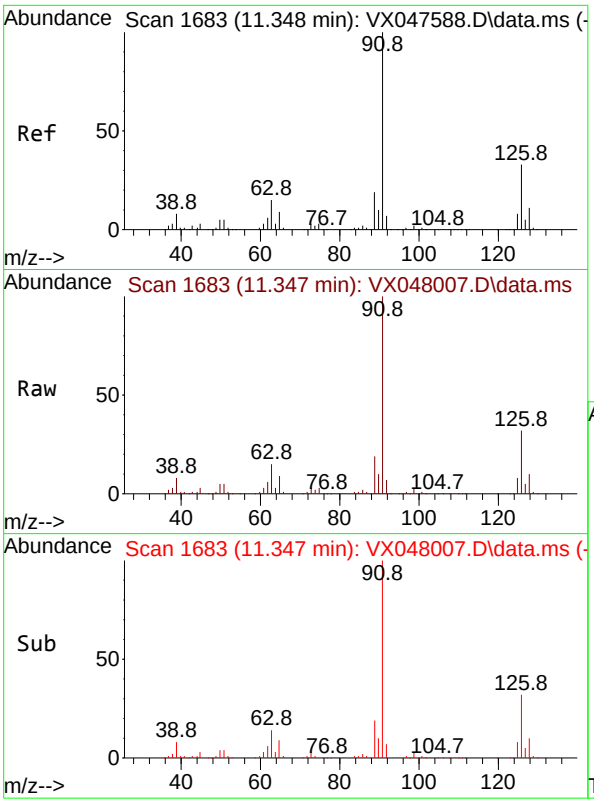


#78
n-propylbenzene
Concen: 51.642 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 456676

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





#79
2-Chlorotoluene
Concen: 51.959 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 28142

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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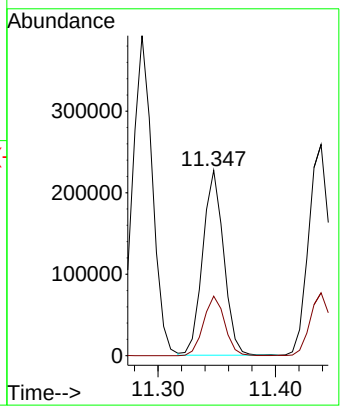
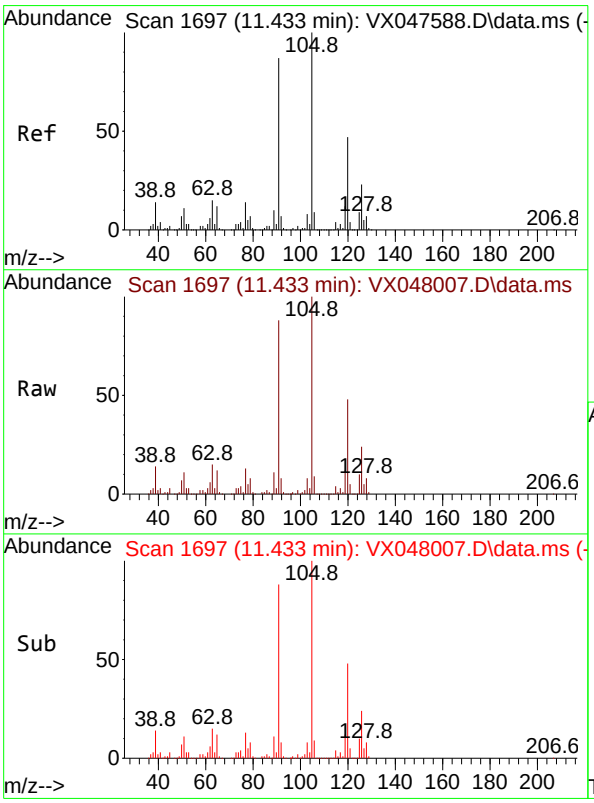
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

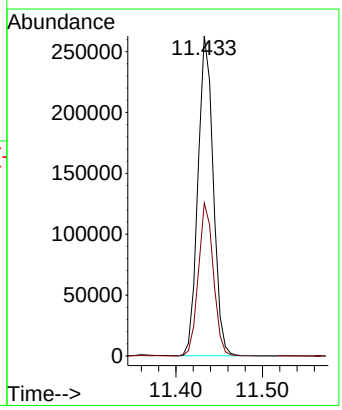


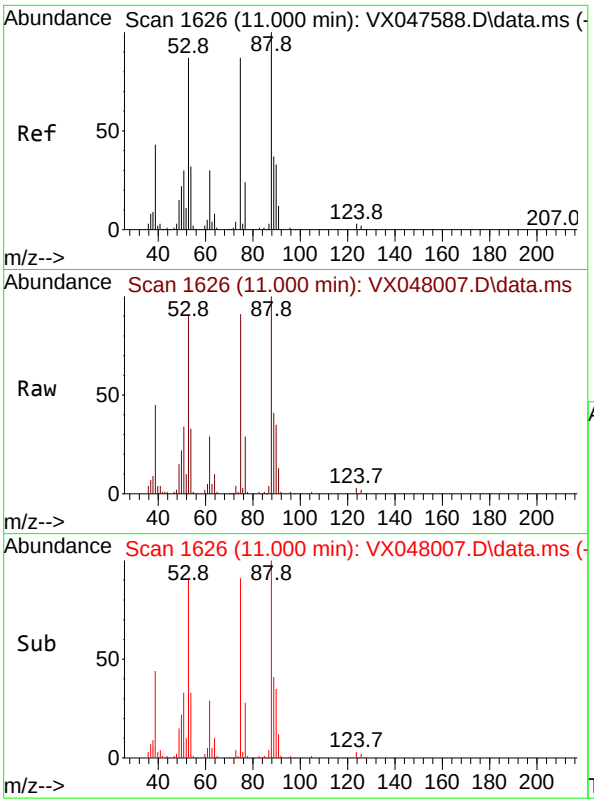


#80
1,3,5-Trimethylbenzene
Concen: 52.439 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 322291

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.090 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

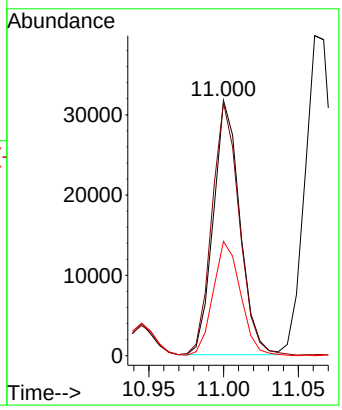
Tgt Ion: 75 Resp: 3913

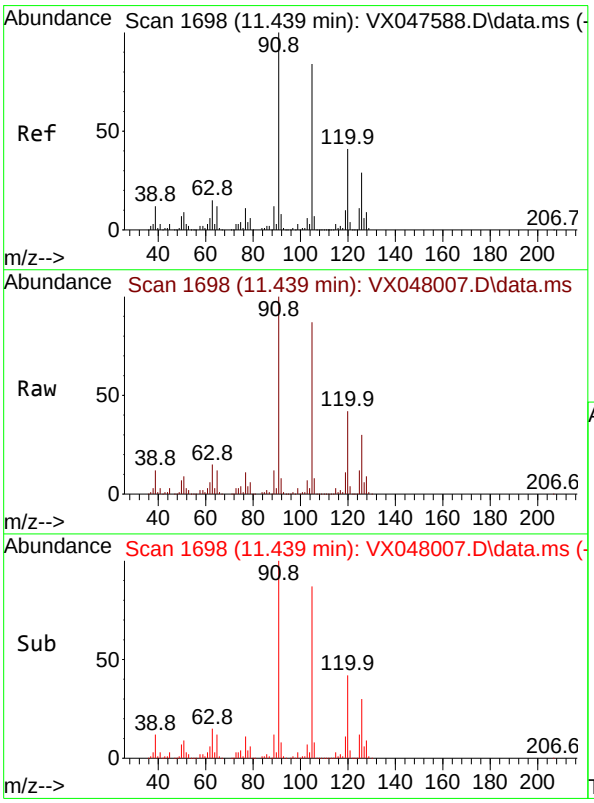
Ion	Ratio	Lower	Upper
75	100		
53	102.2	83.4	125.2
89	46.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

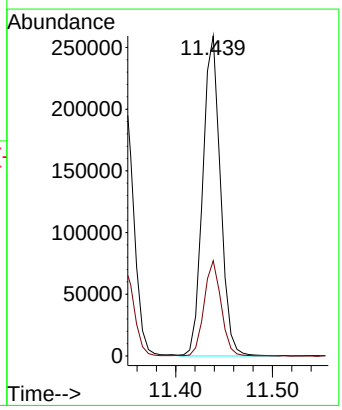


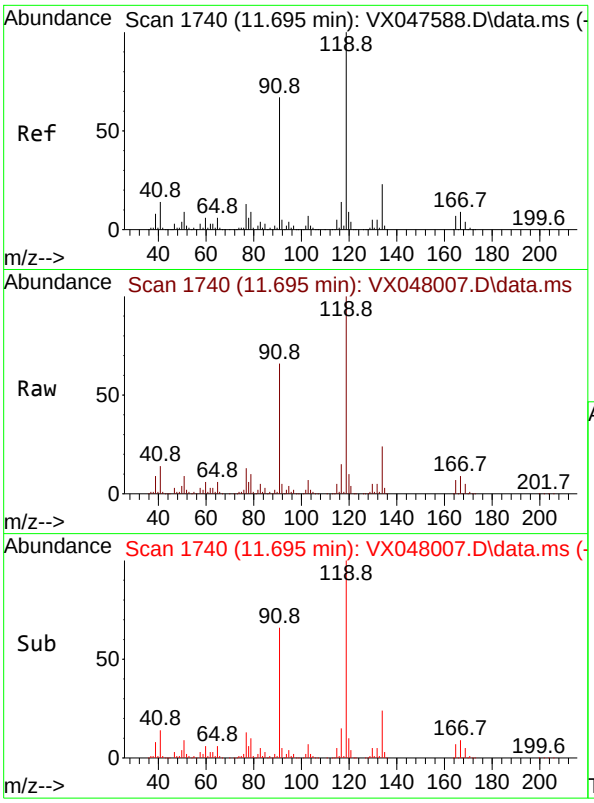


#82
4-Chlorotoluene
Concen: 51.647 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 330375

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

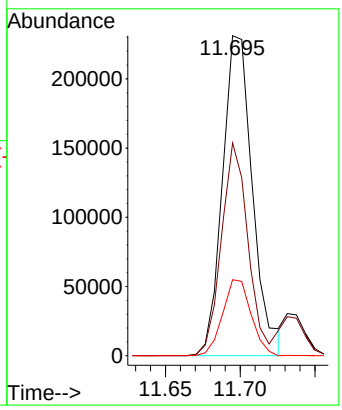




#83
tert-Butylbenzene
Concen: 51.357 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:119 Resp: 32311

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.6	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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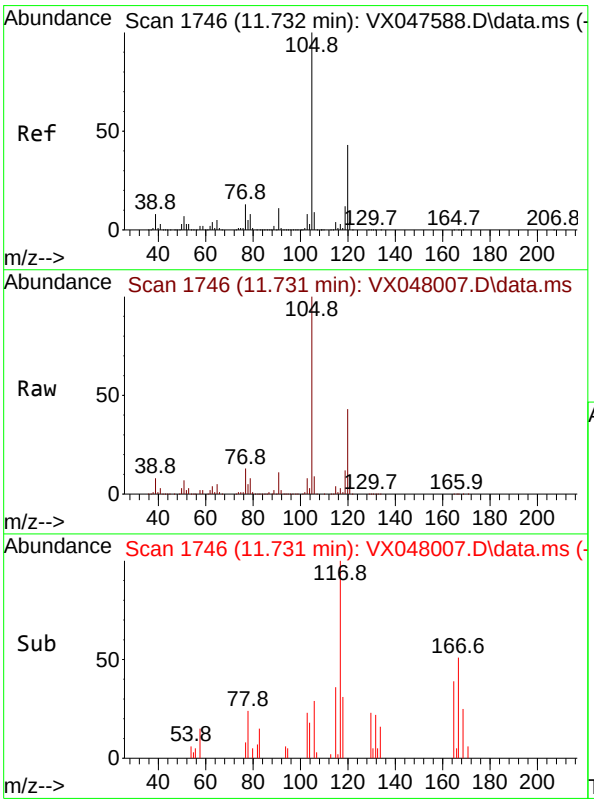
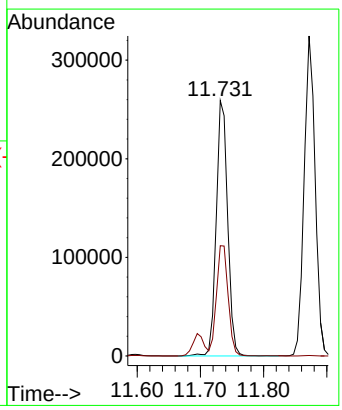
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

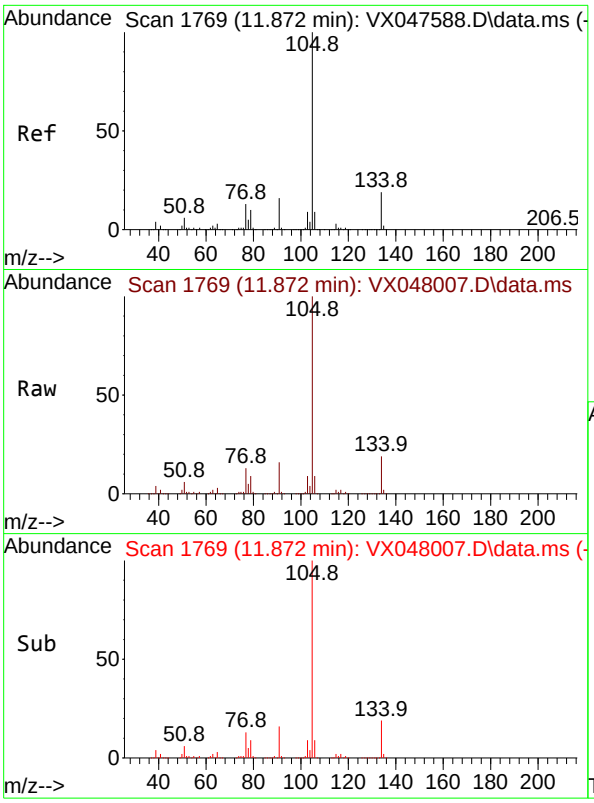


#84
1,2,4-Trimethylbenzene
Concen: 51.854 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 323106

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

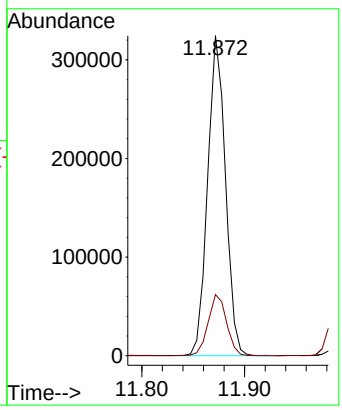




#85
sec-Butylbenzene
Concen: 52.211 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 39018

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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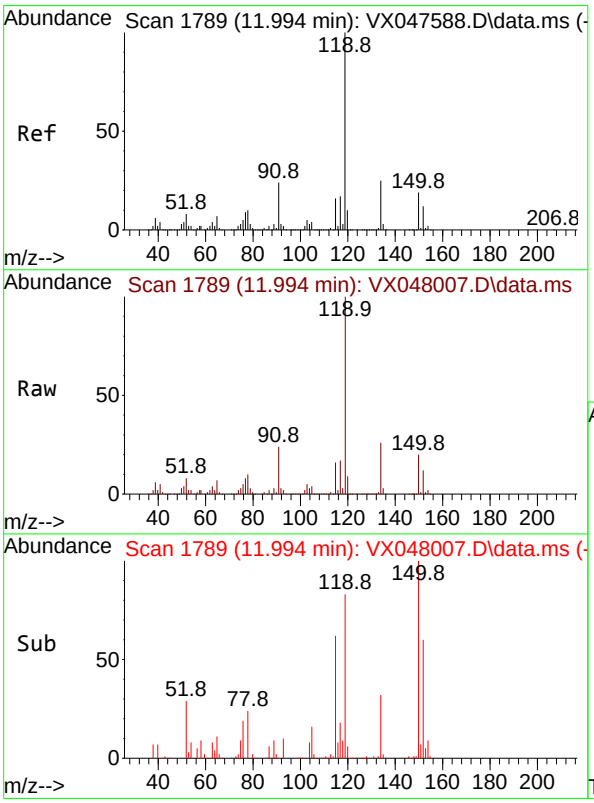
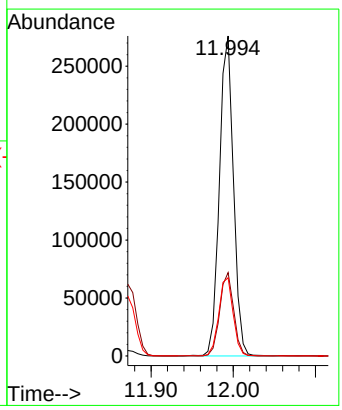
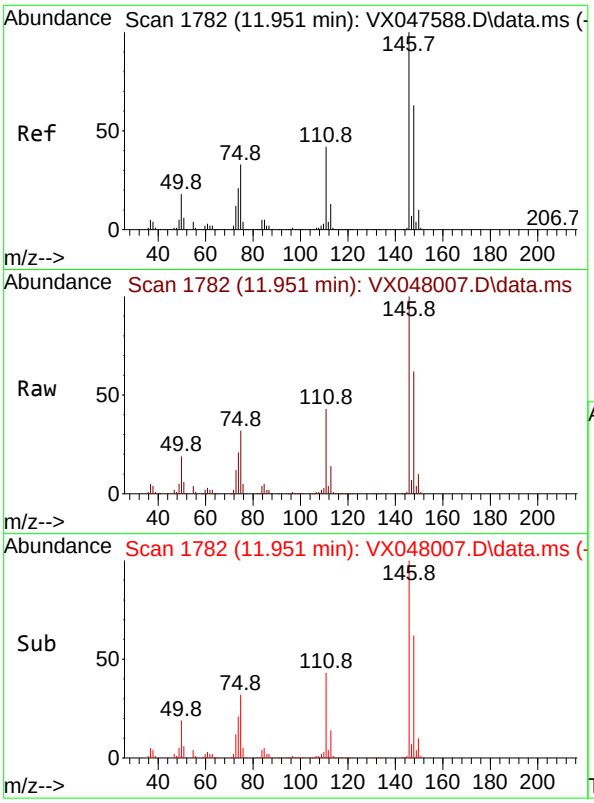


#86
p-Isopropyltoluene
Concen: 51.810 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:119 Resp: 327789

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.9	12.6	37.6

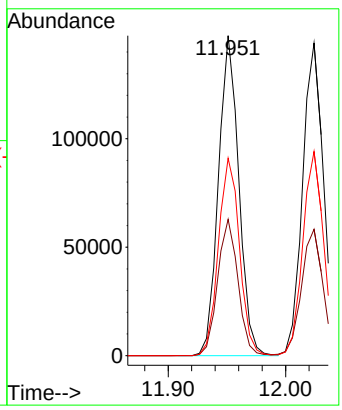




#87
1,3-Dichlorobenzene
Concen: 52.025 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 17803

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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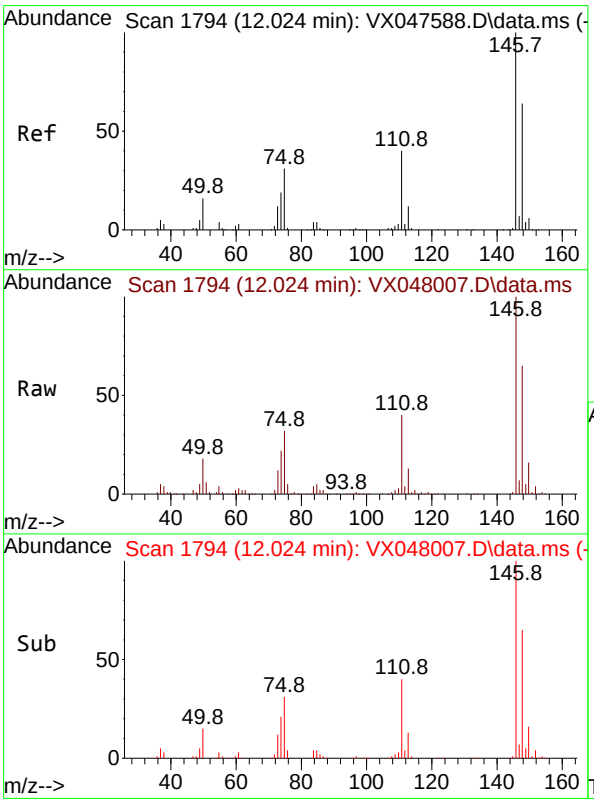
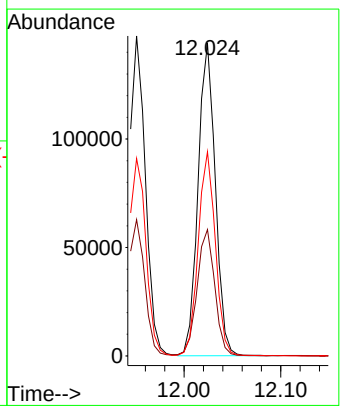
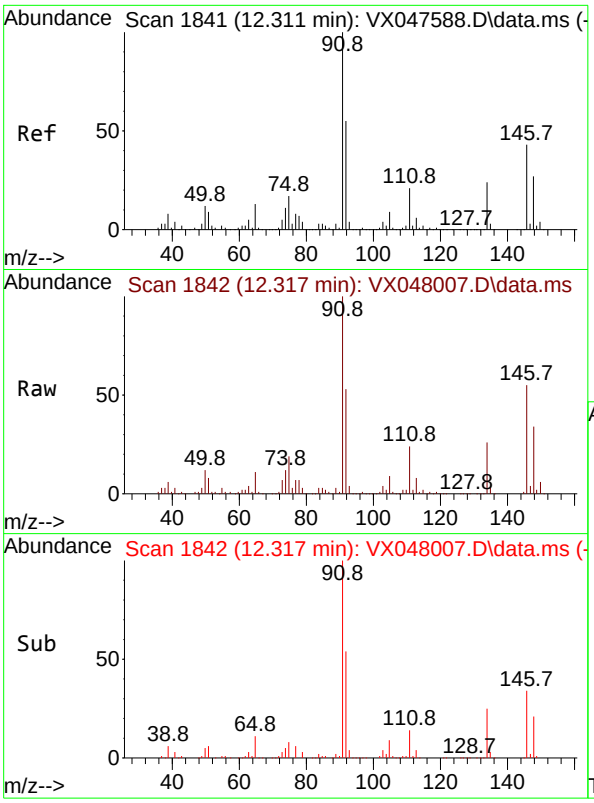


#88
1,4-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 179124

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	65.4	31.7	95.1





#89
n-Butylbenzene
Concen: 51.628 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 30223

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	25.3	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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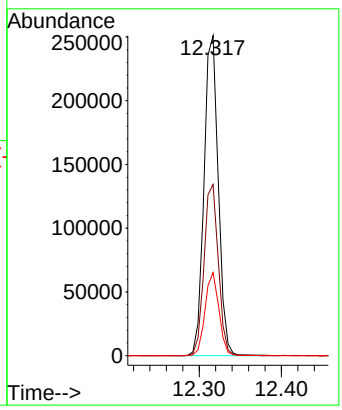
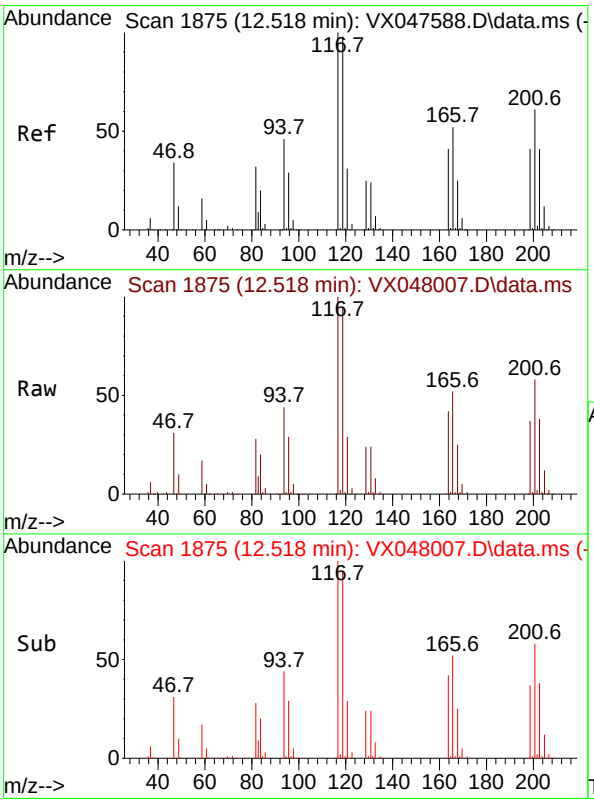
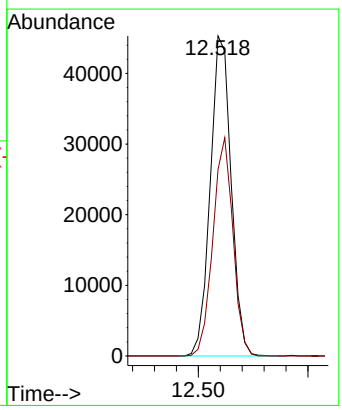


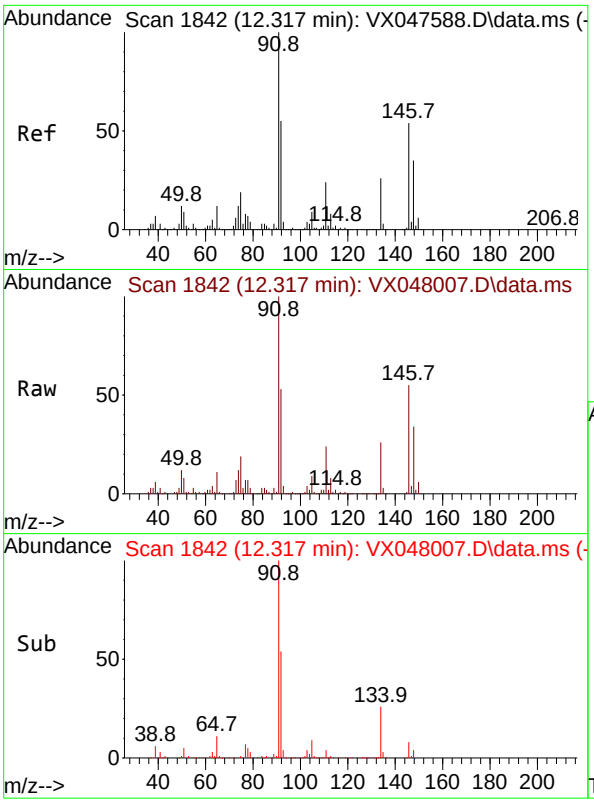


#90
Hexachloroethane
Concen: 53.936 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 59911

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5

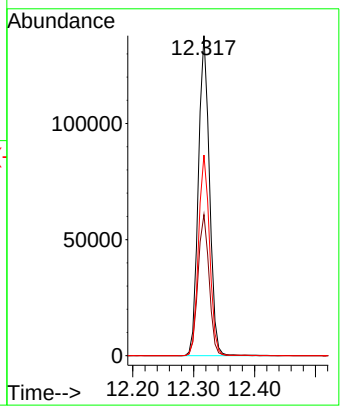




#91
1,2-Dichlorobenzene
Concen: 53.416 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 17415

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	62.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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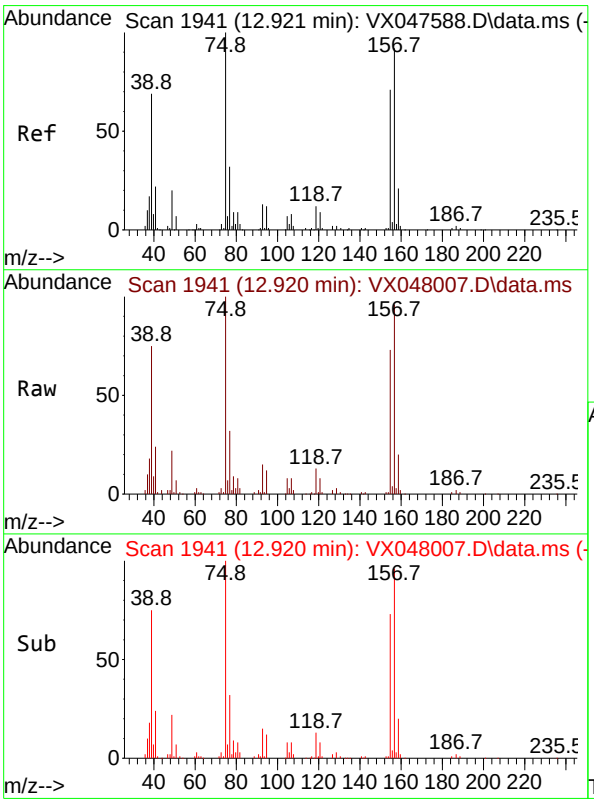
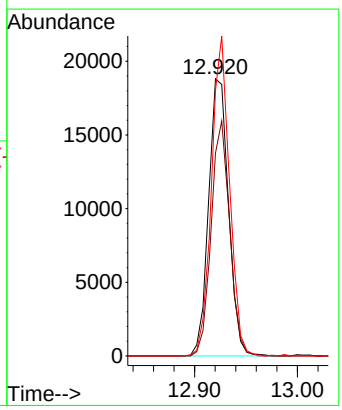
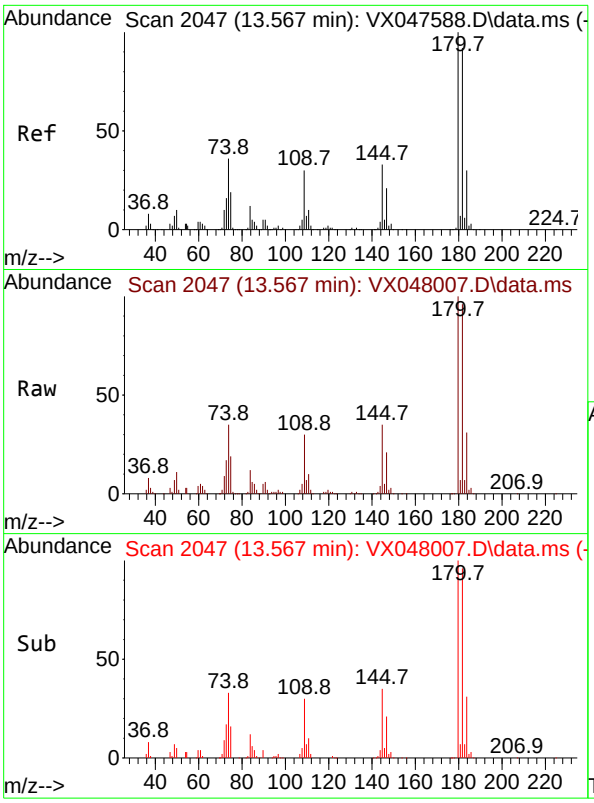


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.167 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 25279

Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.7	113.1
157	104.3	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 50.989 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:180 Resp: 10804

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	33.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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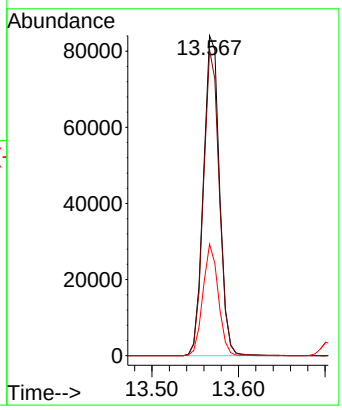
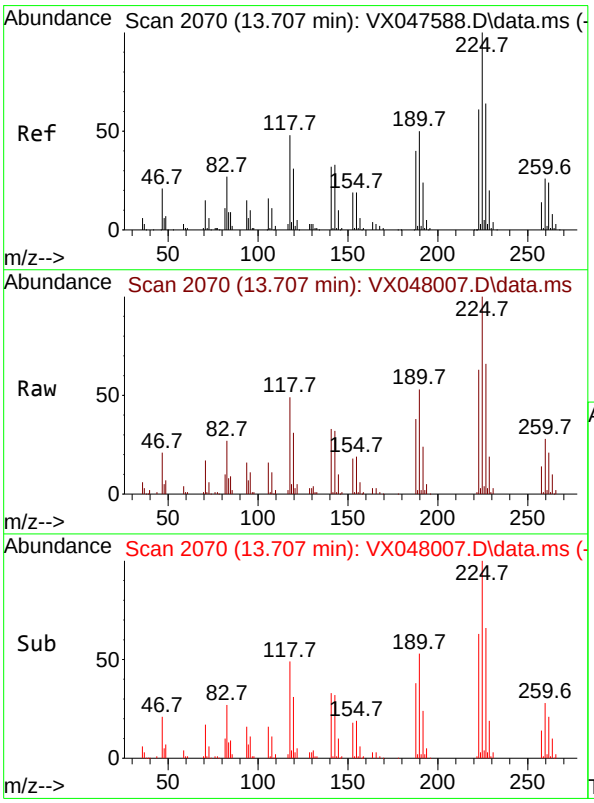
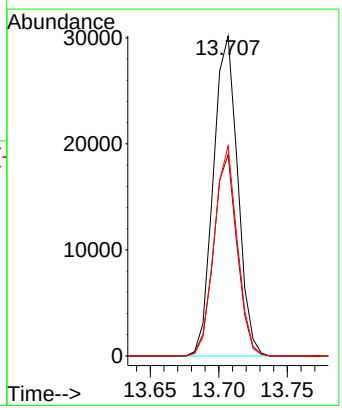


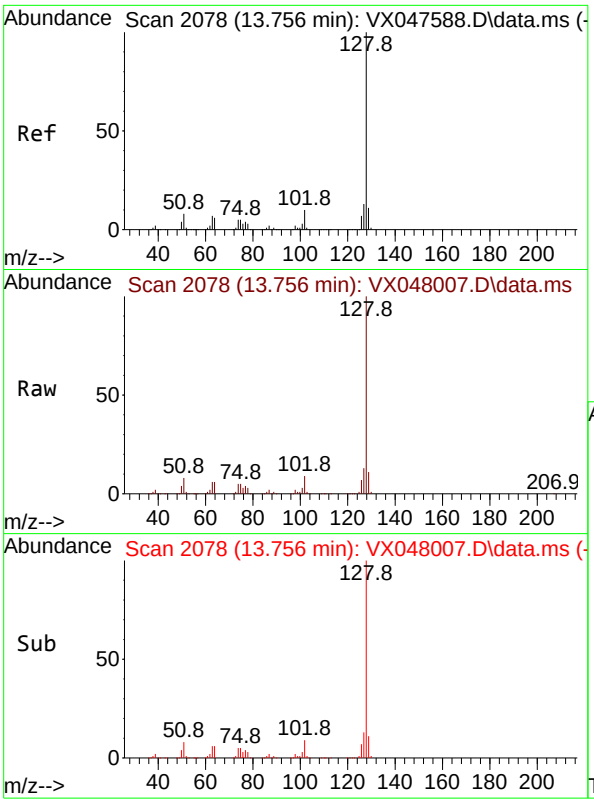


#94
Hexachlorobutadiene
Concen: 51.768 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:225 Resp: 37259

Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.7	95.1
227	62.2	32.0	96.0

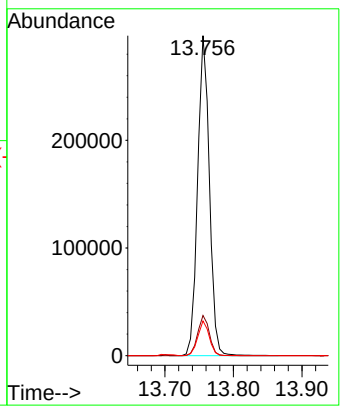




#95
Naphthalene
Concen: 55.115 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:128 Resp: 35561

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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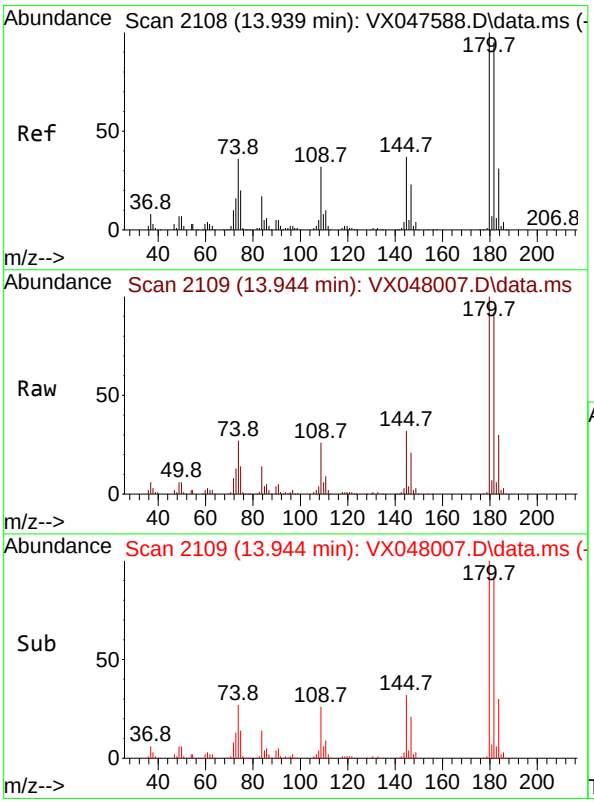
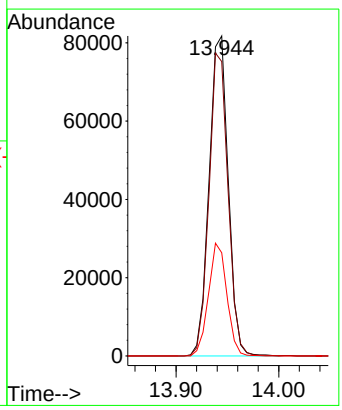


#96
1,2,3-Trichlorobenzene
Concen: 53.582 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:180 Resp: 105613

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	33.9	17.9	53.7



Sample Results: **VX048007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.518	0.527	-1.7	74	0.00
3	P	Chloromethane	0.680	0.643	5.4	68	0.00
4	C	Vinyl Chloride	0.666	0.673	-1.1#	72	0.00
5	T	Bromomethane	0.422	0.432	-2.4	72	0.00
6	T	Chloroethane	0.445	0.448	-0.7	71	0.00
7	T	Trichlorofluoromethane	0.989	1.033	-4.4	73	0.00
8	T	Diethyl Ether	0.405	0.431	-6.4	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.612	-5.9	74	0.00
10	T	Methyl Iodide	0.902	0.854	5.3	66	0.00
11	T	Tert butyl alcohol	0.089	0.098	-10.1	78	0.00
12	CM	1,1-Dichloroethene	0.594	0.604	-1.7#	70	0.00
13	T	Acrolein	0.082	0.102	-24.4	88	0.00
14	T	Allyl chloride	1.226	1.212	1.1	70	0.00
15	T	Acrylonitrile	0.328	0.397	-21.0	81	0.00
16	T	Acetone	0.346	0.311	10.1	69	0.00
17	T	Carbon Disulfide	1.626	1.465	9.9	66	0.00
18	T	Methyl Acetate	0.770	0.970	-26.0#	78	0.00
19	T	Methyl tert-butyl Ether	2.169	2.388	-10.1	75	0.00
20	T	Methylene Chloride	0.732	0.762	-4.1	73	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.657	-2.7	71	0.00
22	T	Diisopropyl ether	2.376	2.600	-9.4	74	0.00
23	T	Vinyl Acetate	1.901	2.108	-10.9	74	0.00
24	P	1,1-Dichloroethane	1.263	1.359	-7.6	74	0.00
25	T	2-Butanone	0.432	0.478	-10.6	77	0.00
26	T	2,2-Dichloropropane	1.050	0.954	9.1	63	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.839	-7.2	73	0.00
28	T	Bromochloromethane	0.551	0.602	-9.3	73	0.00
29	T	Tetrahydrofuran	0.260	0.308	-18.5	79	0.00
30	C	Chloroform	1.276	1.435	-12.5#	76	0.00
31	T	Cyclohexane	1.052	0.988	6.1	67	0.00
32	T	1,1,1-Trichloroethane	1.082	1.180	-9.1	74	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.830	-4.3	76	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	70	0.00
35	S	Dibromofluoromethane	0.335	0.360	-7.5	77	0.00
36	T	1,1-Dichloropropene	0.490	0.488	0.4	70	0.00
37	T	Ethyl Acetate	0.525	0.588	-12.0	78	0.00
38	T	Carbon Tetrachloride	0.532	0.561	-5.5	73	0.00
39	T	Methylcyclohexane	0.556	0.531	4.5	66	0.00
40	TM	Benzene	1.488	1.592	-7.0	74	0.00
41	T	Methacrylonitrile	0.271	0.310	-14.4	76	0.00
42	TM	1,2-Dichloroethane	0.566	0.610	-7.8	74	0.00
43	T	Isopropyl Acetate	0.860	0.955	-11.0	75	0.00
44	TM	Trichloroethene	0.360	0.385	-6.9	73	0.00
45	C	1,2-Dichloropropane	0.381	0.433	-13.6#	77	0.00
46	T	Dibromomethane	0.277	0.310	-11.9	76	0.00
47	T	Bromodichloromethane	0.572	0.649	-13.5	75	0.00
48	T	Methyl methacrylate	0.429	0.486	-13.3	76	0.00

Sample Results: **VX048007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.006	-50.0#	83	0.00
50	S	Toluene-d8	1.160	1.242	-7.1	76	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.583	-22.2	80	0.00
52	CM	Toluene	0.917	0.986	-7.5#	74	0.00
53	T	t-1,3-Dichloropropene	0.584	0.639	-9.4	73	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.675	-8.2	73	0.00
55	T	1,1,2-Trichloroethane	0.354	0.416	-17.5	80	0.00
56	T	Ethyl methacrylate	0.555	0.649	-16.9	76	0.00
57	T	1,3-Dichloropropane	0.607	0.708	-16.6	78	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.339	-49.3#	88	0.00
59	T	2-Hexanone	0.343	0.404	-17.8	79	0.00
60	T	Dibromochloromethane	0.407	0.482	-18.4	78	0.00
61	T	1,2-Dibromoethane	0.360	0.426	-18.3	79	0.00
62	S	4-Bromofluorobenzene	0.440	0.481	-9.3	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	73	0.00
64	T	Tetrachloroethene	0.326	0.336	-3.1	75	0.00
65	PM	Chlorobenzene	1.136	1.229	-8.2	76	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.445	-13.5	78	0.00
67	C	Ethyl Benzene	1.960	2.091	-6.7#	75	0.00
68	T	m/p-Xylenes	0.729	0.784	-7.5	75	0.00
69	T	o-Xylene	0.706	0.762	-7.9	74	0.00
70	T	Styrene	1.236	1.348	-9.1	76	0.00
71	P	Bromoform	0.293	0.345	-17.7	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	3.801	3.923	-3.2	75	0.00
74	T	N-amyl acetate	1.733	1.867	-7.7	77	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.329	-15.6	84	0.00
76	T	1,2,3-Trichloropropane	1.012	0.993	1.9	68	0.00
77	T	Bromobenzene	0.936	0.987	-5.4	77	0.00
78	T	n-propylbenzene	4.494	4.641	-3.3	75	0.00
79	T	2-Chlorotoluene	2.752	2.860	-3.9	76	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.275	-4.9	75	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.398	-0.3	74	0.00
82	T	4-Chlorotoluene	3.251	3.358	-3.3	75	0.00
83	T	tert-Butylbenzene	3.197	3.284	-2.7	75	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.284	-3.7	76	0.00
85	T	sec-Butylbenzene	3.797	3.965	-4.4	76	0.00
86	T	p-Isopropyltoluene	3.215	3.331	-3.6	75	0.00
87	T	1,3-Dichlorobenzene	1.739	1.809	-4.0	77	0.00
88	T	1,4-Dichlorobenzene	1.785	1.820	-2.0	77	0.00
89	T	n-Butylbenzene	2.975	3.072	-3.3	75	0.00
90	T	Hexachloroethane	0.564	0.609	-8.0	79	0.00
91	T	1,2-Dichlorobenzene	1.657	1.770	-6.8	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.257	-10.3	78	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.098	-1.9	73	0.00
94	T	Hexachlorobutadiene	0.366	0.379	-3.6	76	0.00
95	T	Naphthalene	3.279	3.614	-10.2	79	0.00

Sample Results: **VX048007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.073	-7.1	76	0.00

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

Sample Results: **VX048007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	50.888	-1.8	74	0.00
3	P	Chloromethane	50.000	47.219	5.6	68	0.00
4	C	Vinyl Chloride	50.000	50.518	-1.0#	72	0.00
5	T	Bromomethane	50.000	51.168	-2.3	72	0.00
6	T	Chloroethane	50.000	50.296	-0.6	71	0.00
7	T	Trichlorofluoromethane	50.000	52.207	-4.4	73	0.00
8	T	Diethyl Ether	50.000	53.243	-6.5	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.942	-5.9	74	0.00
10	T	Methyl Iodide	50.000	47.350	5.3	66	0.00
11	T	Tert butyl alcohol	250.000	277.639	-11.1	78	0.00
12	CM	1,1-Dichloroethene	50.000	50.808	-1.6#	70	0.00
13	T	Acrolein	250.000	312.382	-25.0	88	0.00
14	T	Allyl chloride	50.000	49.427	1.1	70	0.00
15	T	Acrylonitrile	250.000	302.366	-20.9	81	0.00
16	T	Acetone	250.000	224.672	10.1	69	0.00
17	T	Carbon Disulfide	50.000	45.029	9.9	66	0.00
18	T	Methyl Acetate	50.000	62.951	-25.9#	78	0.00
19	T	Methyl tert-butyl Ether	50.000	55.057	-10.1	75	0.00
20	T	Methylene Chloride	50.000	52.021	-4.0	73	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.363	-2.7	71	0.00
22	T	Diisopropyl ether	50.000	54.721	-9.4	74	0.00
23	T	Vinyl Acetate	250.000	277.195	-10.9	74	0.00
24	P	1,1-Dichloroethane	50.000	53.832	-7.7	74	0.00
25	T	2-Butanone	250.000	276.631	-10.7	77	0.00
26	T	2,2-Dichloropropane	50.000	45.455	9.1	63	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.585	-7.2	73	0.00
28	T	Bromochloromethane	50.000	54.642	-9.3	73	0.00
29	T	Tetrahydrofuran	250.000	296.268	-18.5	79	0.00
30	C	Chloroform	50.000	56.248	-12.5#	76	0.00
31	T	Cyclohexane	50.000	46.959	6.1	67	0.00
32	T	1,1,1-Trichloroethane	50.000	54.512	-9.0	74	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.123	-4.2	76	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	70	0.00
35	S	Dibromofluoromethane	50.000	53.749	-7.5	77	0.00
36	T	1,1-Dichloropropene	50.000	49.765	0.5	70	0.00
37	T	Ethyl Acetate	50.000	56.001	-12.0	78	0.00
38	T	Carbon Tetrachloride	50.000	52.703	-5.4	73	0.00
39	T	Methylcyclohexane	50.000	47.695	4.6	66	0.00
40	TM	Benzene	50.000	53.474	-6.9	74	0.00
41	T	Methacrylonitrile	50.000	57.167	-14.3	76	0.00
42	TM	1,2-Dichloroethane	50.000	53.830	-7.7	74	0.00
43	T	Isopropyl Acetate	50.000	55.494	-11.0	75	0.00
44	TM	Trichloroethene	50.000	53.481	-7.0	73	0.00
45	C	1,2-Dichloropropane	50.000	56.766	-13.5#	77	0.00
46	T	Dibromomethane	50.000	55.847	-11.7	76	0.00
47	T	Bromodichloromethane	50.000	56.708	-13.4	75	0.00
48	T	Methyl methacrylate	50.000	56.718	-13.4	76	0.00

Sample Results: **VX048007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1302.577	-30.3#	83	0.00
50	S	Toluene-d8	50.000	53.538	-7.1	76	0.00
51	T	4-Methyl-2-Pentanone	250.000	305.381	-22.2	80	0.00
52	CM	Toluene	50.000	53.771	-7.5#	74	0.00
53	T	t-1,3-Dichloropropene	50.000	54.707	-9.4	73	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.069	-8.1	73	0.00
55	T	1,1,2-Trichloroethane	50.000	58.812	-17.6	80	0.00
56	T	Ethyl methacrylate	50.000	58.399	-16.8	76	0.00
57	T	1,3-Dichloropropane	50.000	58.287	-16.6	78	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	314.582	-25.8#	88	0.00
59	T	2-Hexanone	250.000	295.111	-18.0	79	0.00
60	T	Dibromochloromethane	50.000	59.125	-18.3	78	0.00
61	T	1,2-Dibromoethane	50.000	59.155	-18.3	79	0.00
62	S	4-Bromofluorobenzene	50.000	54.596	-9.2	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	73	0.00
64	T	Tetrachloroethene	50.000	51.587	-3.2	75	0.00
65	PM	Chlorobenzene	50.000	54.082	-8.2	76	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.702	-13.4	78	0.00
67	C	Ethyl Benzene	50.000	53.354	-6.7#	75	0.00
68	T	m/p-Xylenes	100.000	107.446	-7.4	75	0.00
69	T	o-Xylene	50.000	54.003	-8.0	74	0.00
70	T	Styrene	50.000	54.501	-9.0	76	0.00
71	P	Bromoform	50.000	58.896	-17.8	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	51.600	-3.2	75	0.00
74	T	N-amyl acetate	50.000	53.851	-7.7	77	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	57.788	-15.6	84	0.00
76	T	1,2,3-Trichloropropane	50.000	49.033	1.9	68	0.00
77	T	Bromobenzene	50.000	52.685	-5.4	77	0.00
78	T	n-propylbenzene	50.000	51.642	-3.3	75	0.00
79	T	2-Chlorotoluene	50.000	51.959	-3.9	76	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.439	-4.9	75	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.090	-0.2	74	0.00
82	T	4-Chlorotoluene	50.000	51.647	-3.3	75	0.00
83	T	tert-Butylbenzene	50.000	51.357	-2.7	75	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.854	-3.7	76	0.00
85	T	sec-Butylbenzene	50.000	52.211	-4.4	76	0.00
86	T	p-Isopropyltoluene	50.000	51.810	-3.6	75	0.00
87	T	1,3-Dichlorobenzene	50.000	52.025	-4.0	77	0.00
88	T	1,4-Dichlorobenzene	50.000	50.999	-2.0	77	0.00
89	T	n-Butylbenzene	50.000	51.628	-3.3	75	0.00
90	T	Hexachloroethane	50.000	53.936	-7.9	79	0.00
91	T	1,2-Dichlorobenzene	50.000	53.416	-6.8	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.167	-10.3	78	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.989	-2.0	73	0.00
94	T	Hexachlorobutadiene	50.000	51.768	-3.5	76	0.00
95	T	Naphthalene	50.000	55.115	-10.2	79	0.00

Sample Results: **VX048007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	53.582	-7.2	76	0.00

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

QC SAMPLE DATA

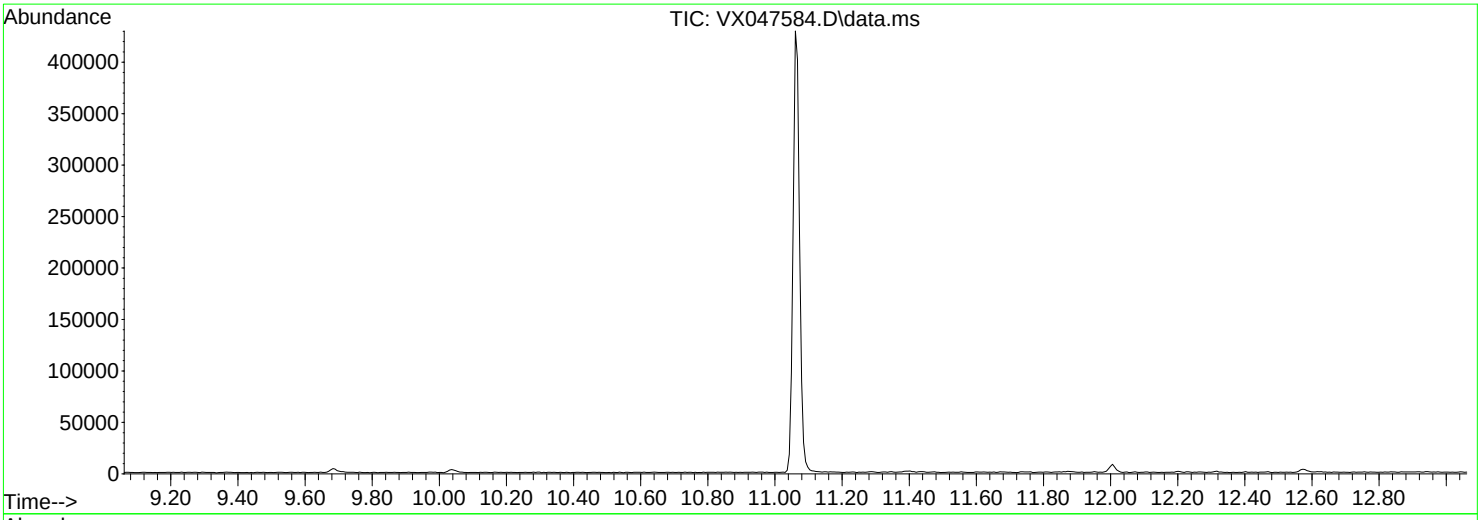
Sample Results: **VX047584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

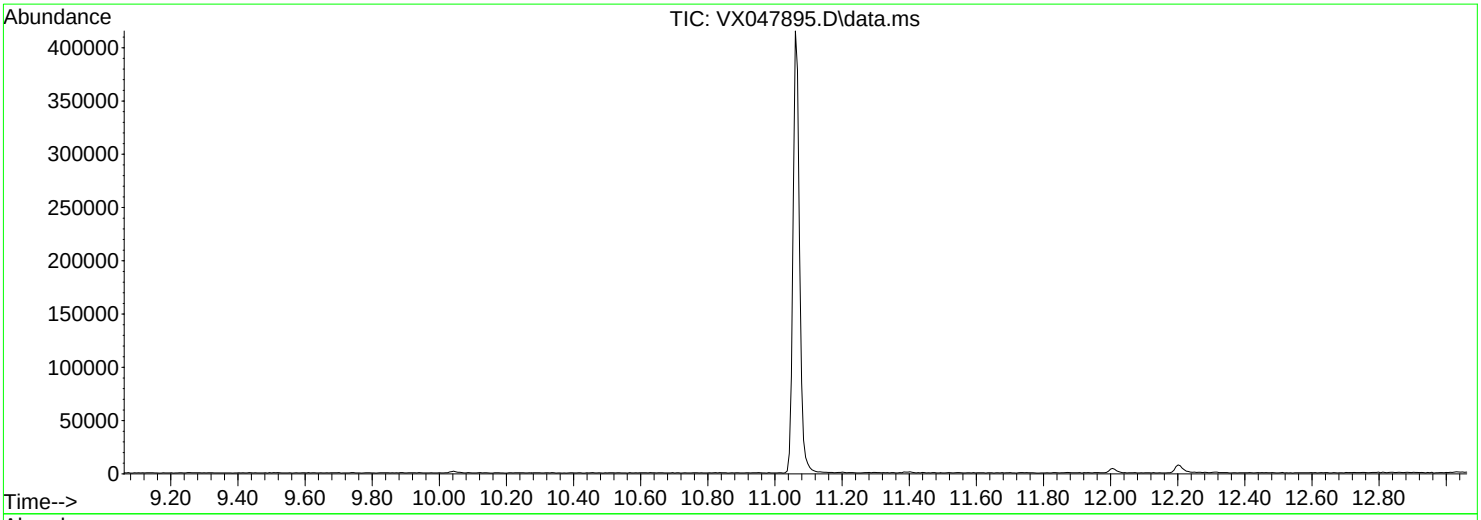
Sample Results: **VX047895.D**

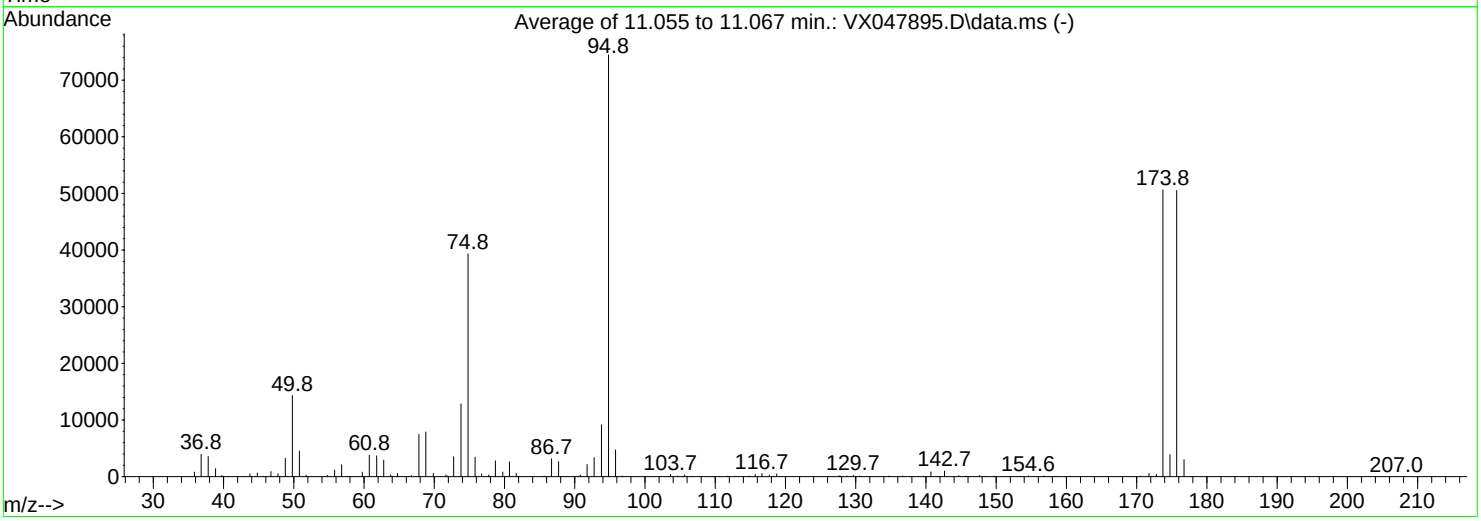
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047895.D
Acq On : 30 Sep 2025 08:49
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1630

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	14337	PASS
75	95	30	60	52.8	39328	PASS
95	95	100	100	100.0	74483	PASS
96	95	5	9	6.3	4709	PASS
173	174	0.00	2	0.8	407	PASS
174	95	50	100	68.0	50669	PASS
175	174	5	9	7.7	3913	PASS
176	174	95	101	99.7	50504	PASS
177	176	5	9	5.9	2984	PASS

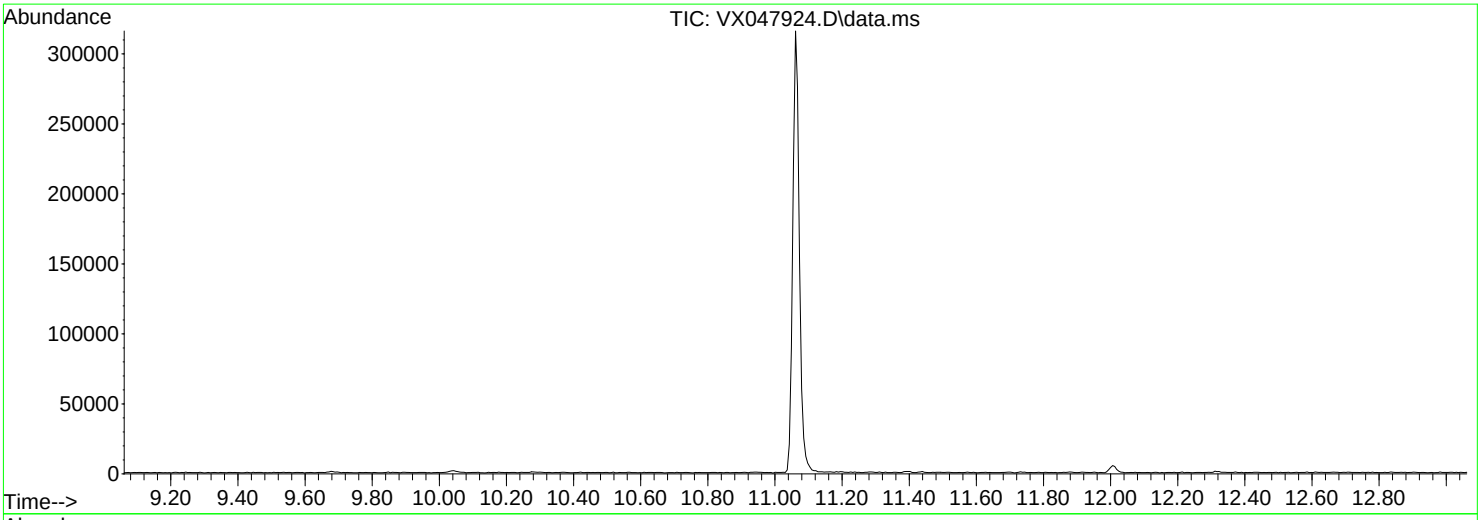
Sample Results: **VX047924.D**

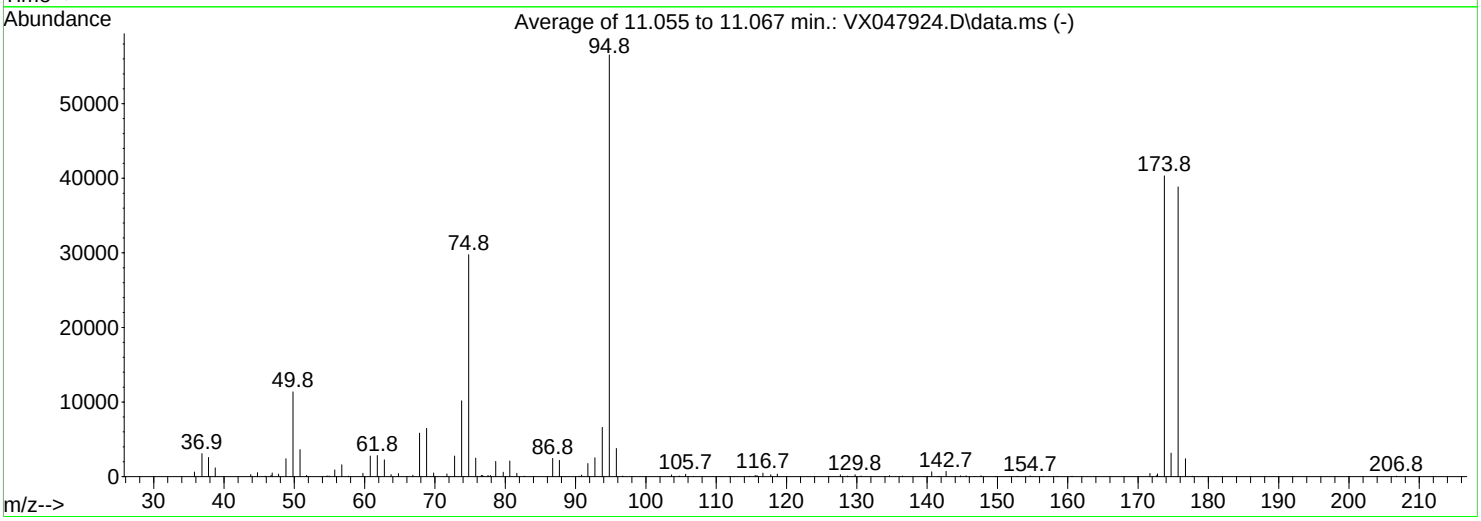
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047924.D
Acq On : 01 Oct 2025 08:10
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	11372	PASS
75	95	30	60	52.6	29755	PASS
95	95	100	100	100.0	56549	PASS
96	95	5	9	6.7	3771	PASS
173	174	0.00	2	0.9	359	PASS
174	95	50	100	71.3	40328	PASS
175	174	5	9	7.8	3160	PASS
176	174	95	101	96.3	38840	PASS
177	176	5	9	6.2	2400	PASS

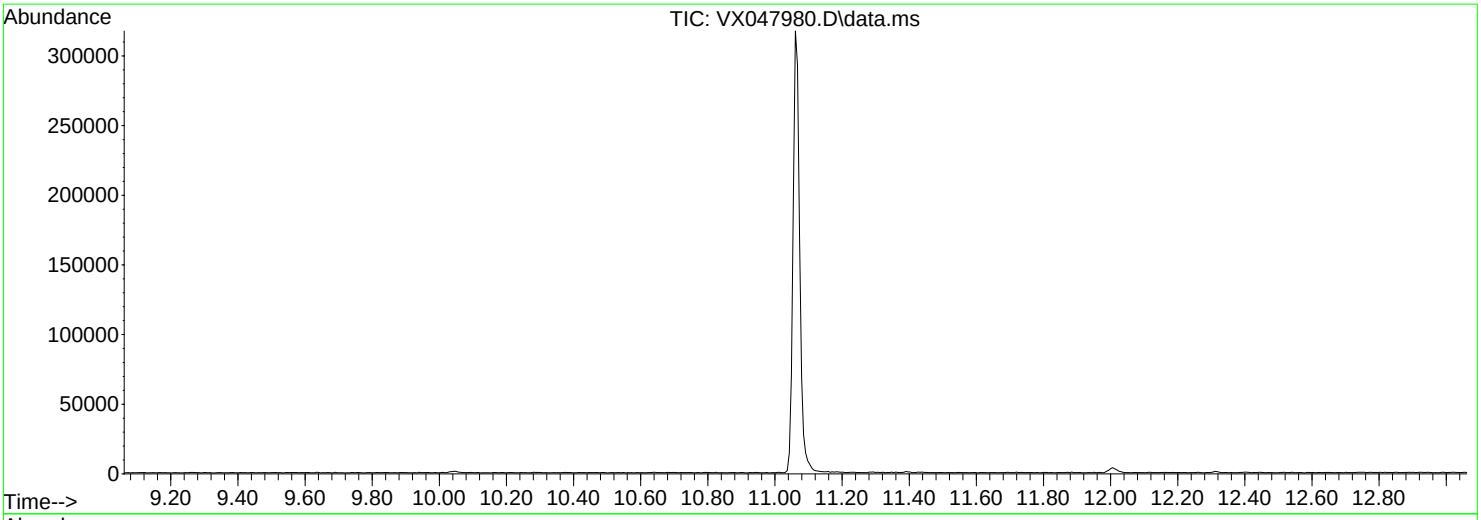
Sample Results: **VX047980.D**

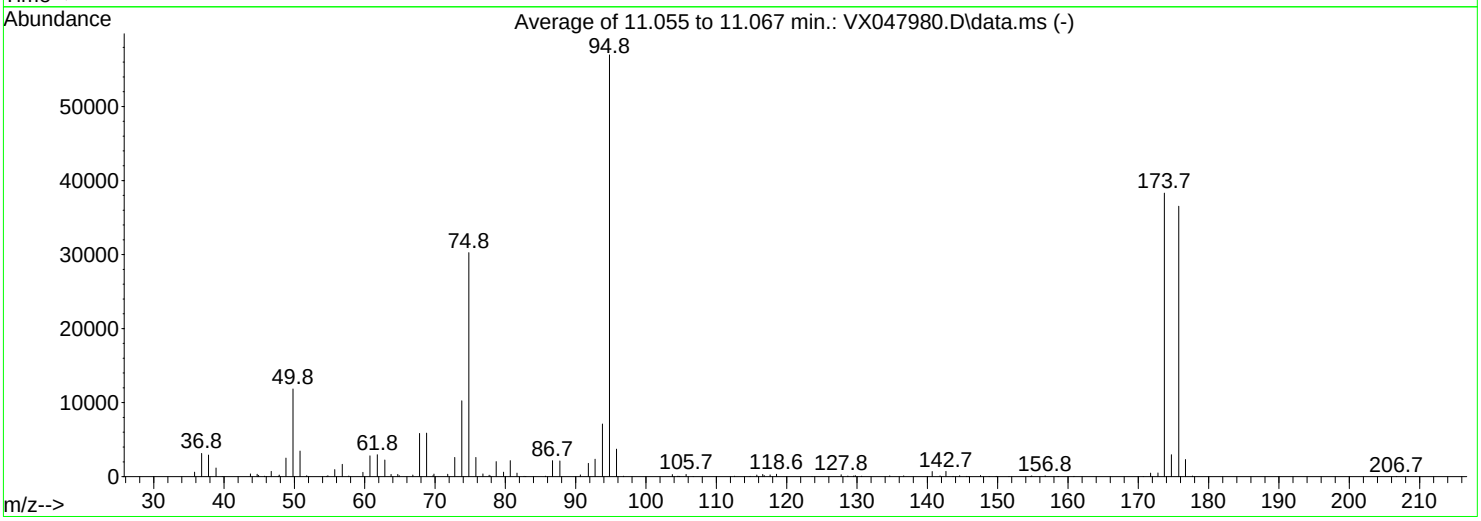
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047980.D
Acq On : 03 Oct 2025 08:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	11857	PASS
75	95	30	60	53.1	30267	PASS
95	95	100	100	100.0	56984	PASS
96	95	5	9	6.5	3726	PASS
173	174	0.00	2	1.3	499	PASS
174	95	50	100	67.2	38299	PASS
175	174	5	9	7.7	2956	PASS
176	174	95	101	95.4	36533	PASS
177	176	5	9	6.4	2325	PASS

Raw Data: **VX047898.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0930WBL01	SDG No.:	Q3193
Lab Sample ID:	VX0930WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047898.D	1	09/30/25 10:09	VX093025

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

Raw Data: **VX047898.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0930WBL01	SDG No.:	Q3193
Lab Sample ID:	VX0930WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047898.D	1	09/30/25 10:09	VX093025

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	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.751				
3114-55-4	Chlorobenzene-d5	265000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	12.006				

Raw Data: **VX047898.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0930WBL01	SDG No.:	Q3193
Lab Sample ID:	VX0930WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047898.D	1	09/30/25 10:09	VX093025

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\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Time: Oct 01 01:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	126165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	254131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105807	52.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.380%			
35) Dibromofluoromethane	5.373	113	85829	50.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	8.635	98	287739	48.791	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.580%			
62) 4-Bromofluorobenzene	11.061	95	125441	56.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.100%			

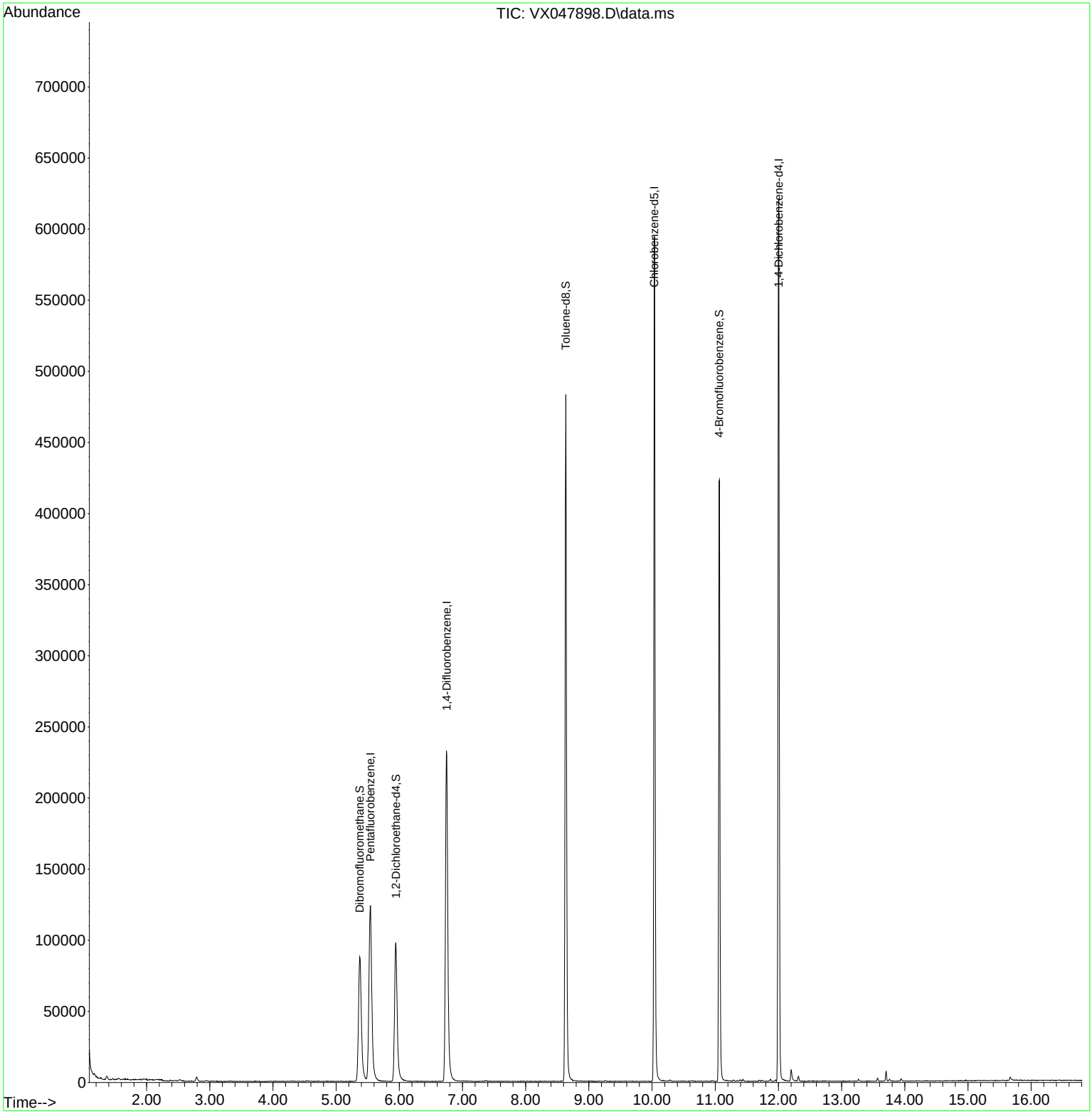
Target Compounds Qvalue

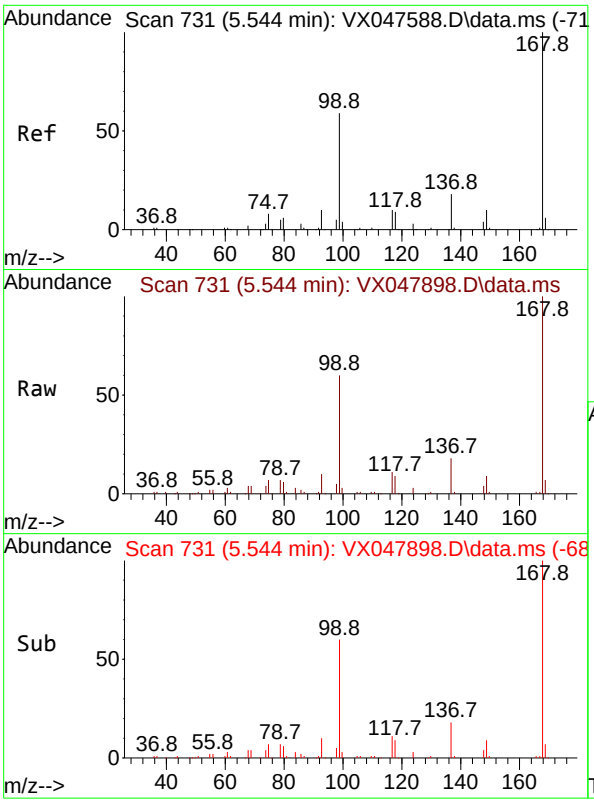
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Time: Oct 01 01:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



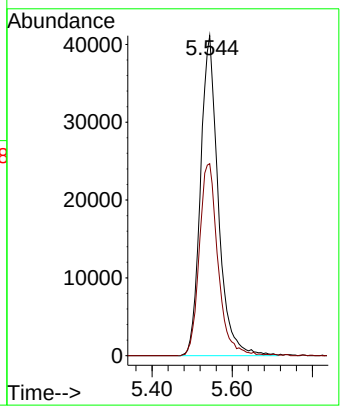


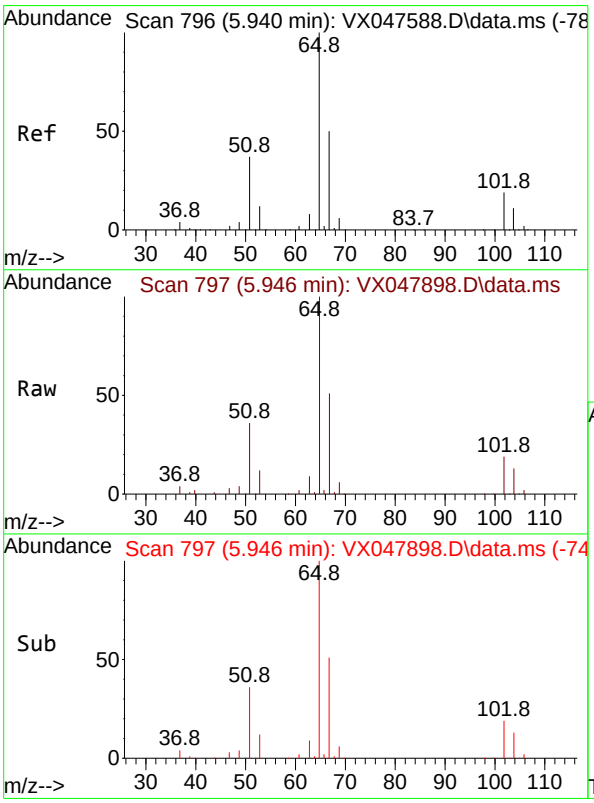
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion:168 Resp: 126165

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.8	73.2

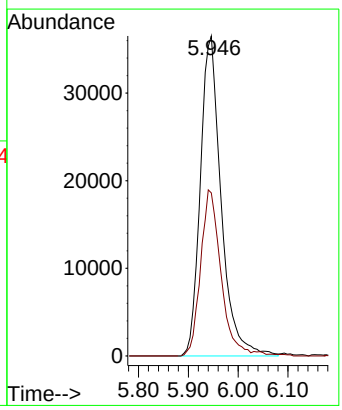


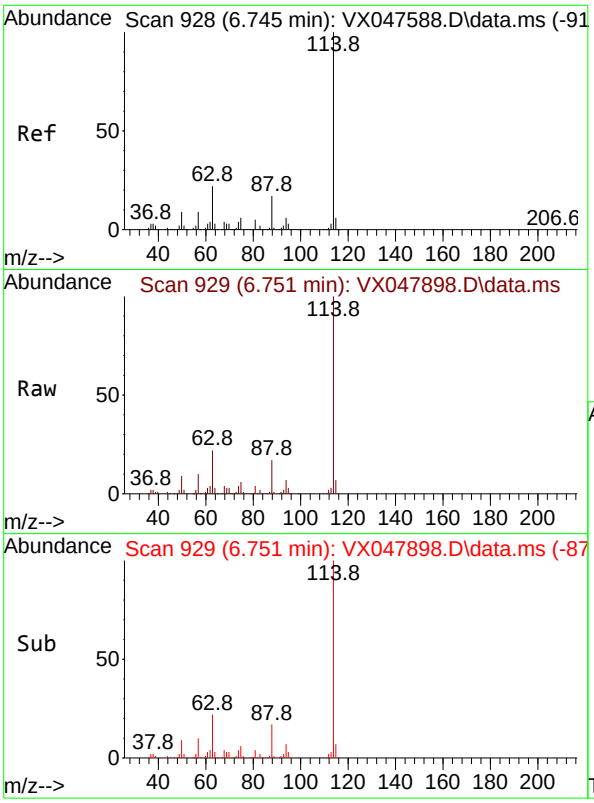


#33
1,2-Dichloroethane-d4
Concen: 52.687 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 65 Resp: 105807

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0



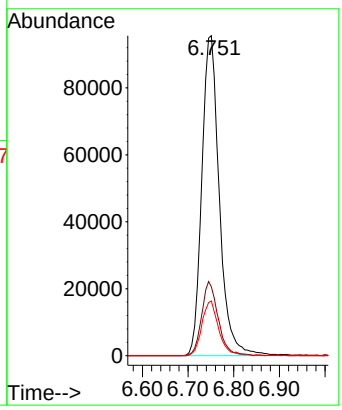


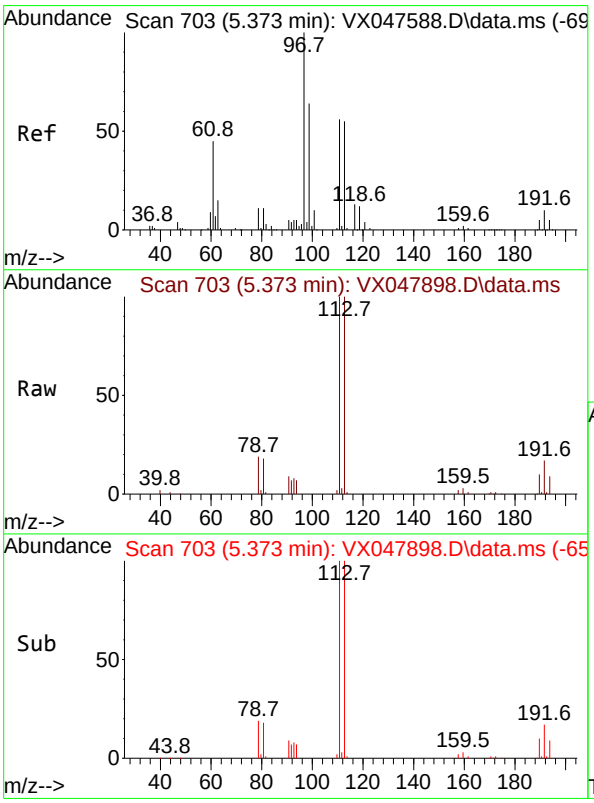
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion:114 Resp: 254131

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	17.1	0.0	34.2

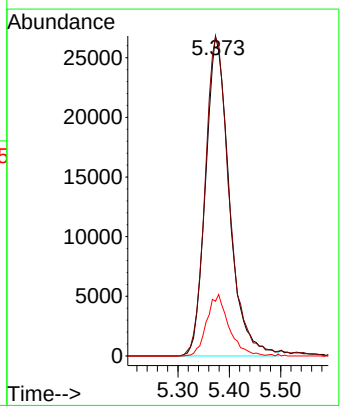


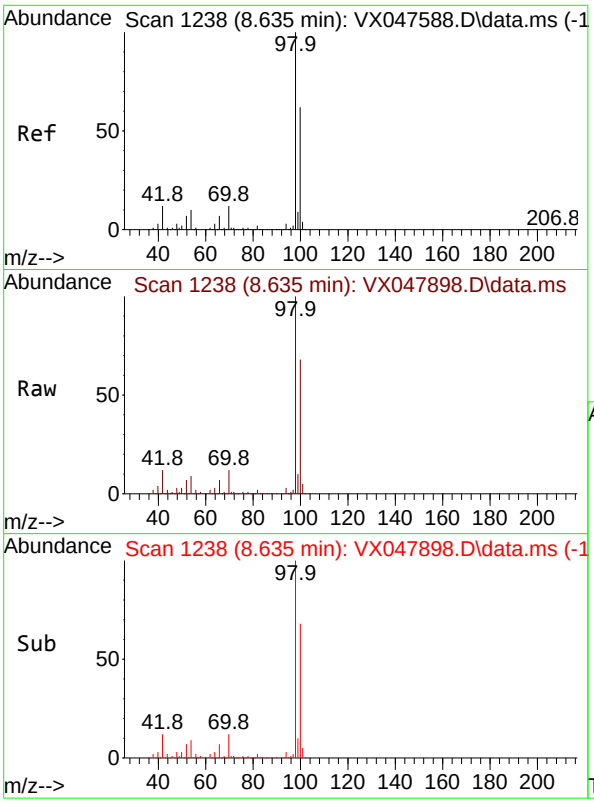


#35
Dibromofluoromethane
Concen: 50.359 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion:113 Resp: 85829

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.0	14.2	21.4



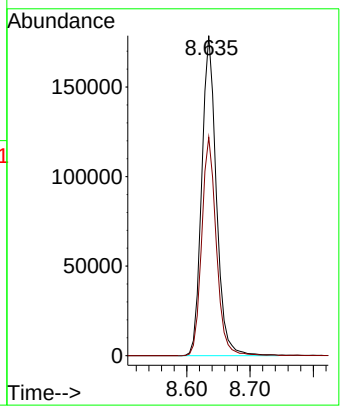


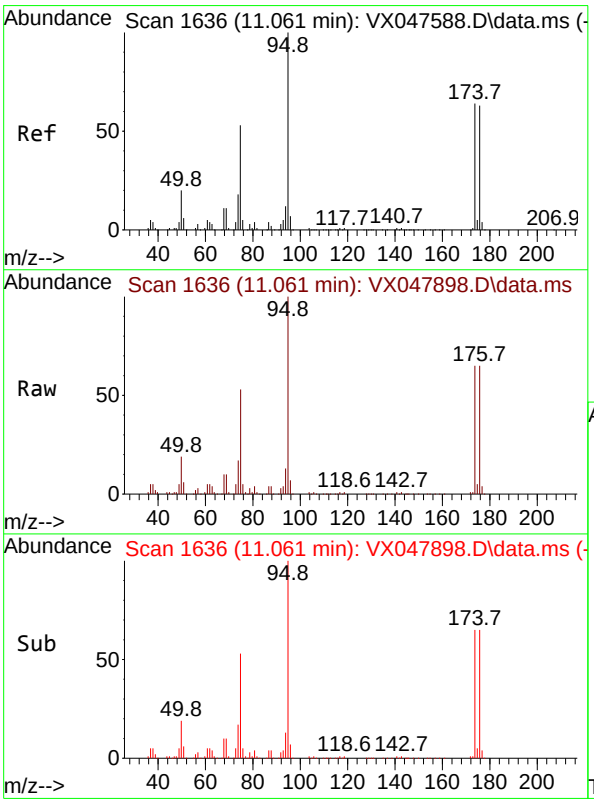
#50
Toluene-d8
Concen: 48.791 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion: 98 Resp: 287739

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

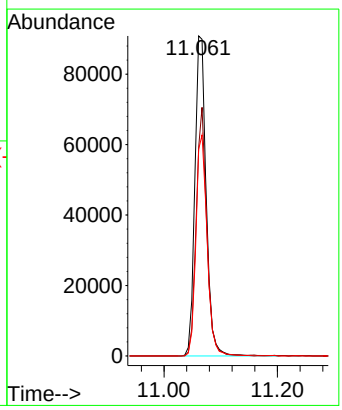


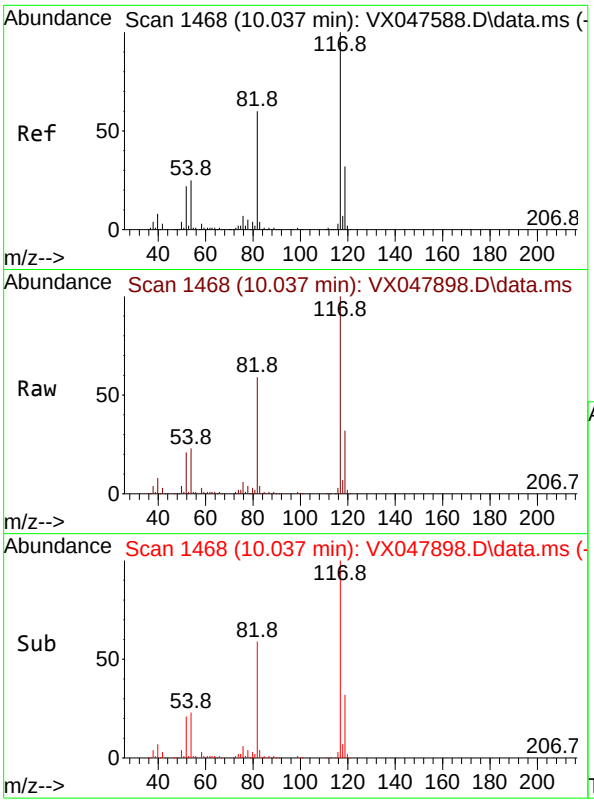


#62
4-Bromofluorobenzene
Concen: 56.047 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 95 Resp: 125441

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	68.4	0.0	138.4



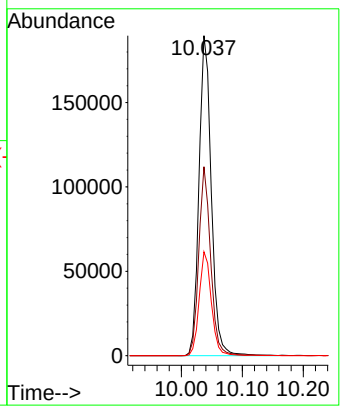


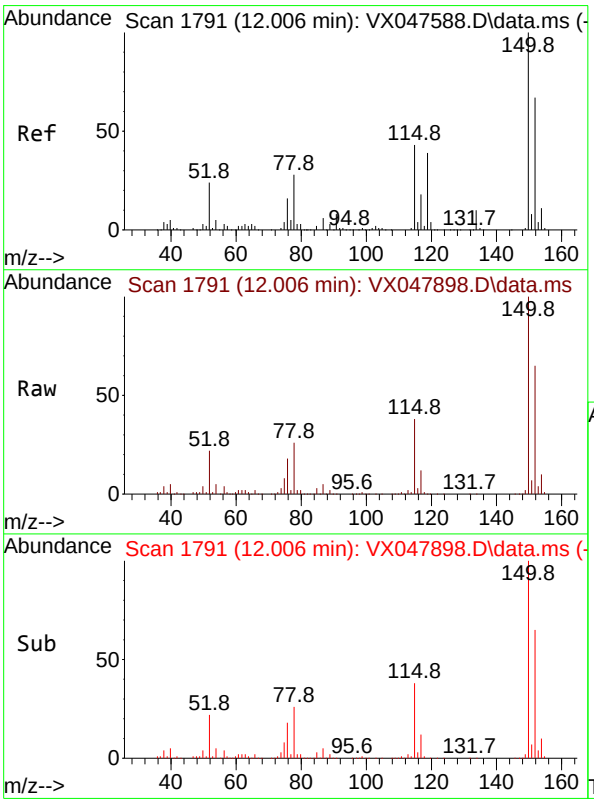
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion:117 Resp: 265110

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	32.5	25.2	37.8

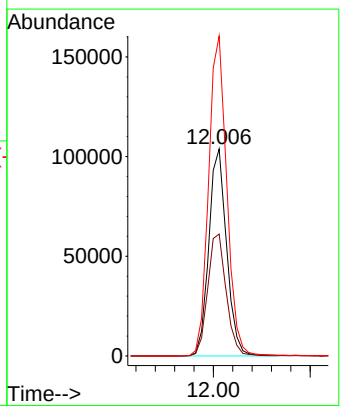




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion:152 Resp: 133087

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.9	134.5
150	158.0	0.0	352.0



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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1001WBL01	SDG No.:	Q3193
Lab Sample ID:	VX1001WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047927.D	1	10/01/25 10:03	VX100125

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:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1001WBL01	SDG No.:	Q3193
Lab Sample ID:	VX1001WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047927.D	1	10/01/25 10:03	VX100125

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	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	5.537				
540-36-3	1,4-Difluorobenzene	282000	6.745				
3114-55-4	Chlorobenzene-d5	294000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.006				

Raw Data: **VX047927.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1001WBL01	SDG No.:	Q3193
Lab Sample ID:	VX1001WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047927.D	1	10/01/25 10:03	VX100125

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\VX100125\
Data File : VX047927.D
Acq On : 01 Oct 2025 10:03
Operator : JC/MD
Sample : VX1001WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Quant Time: Oct 03 01:15:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

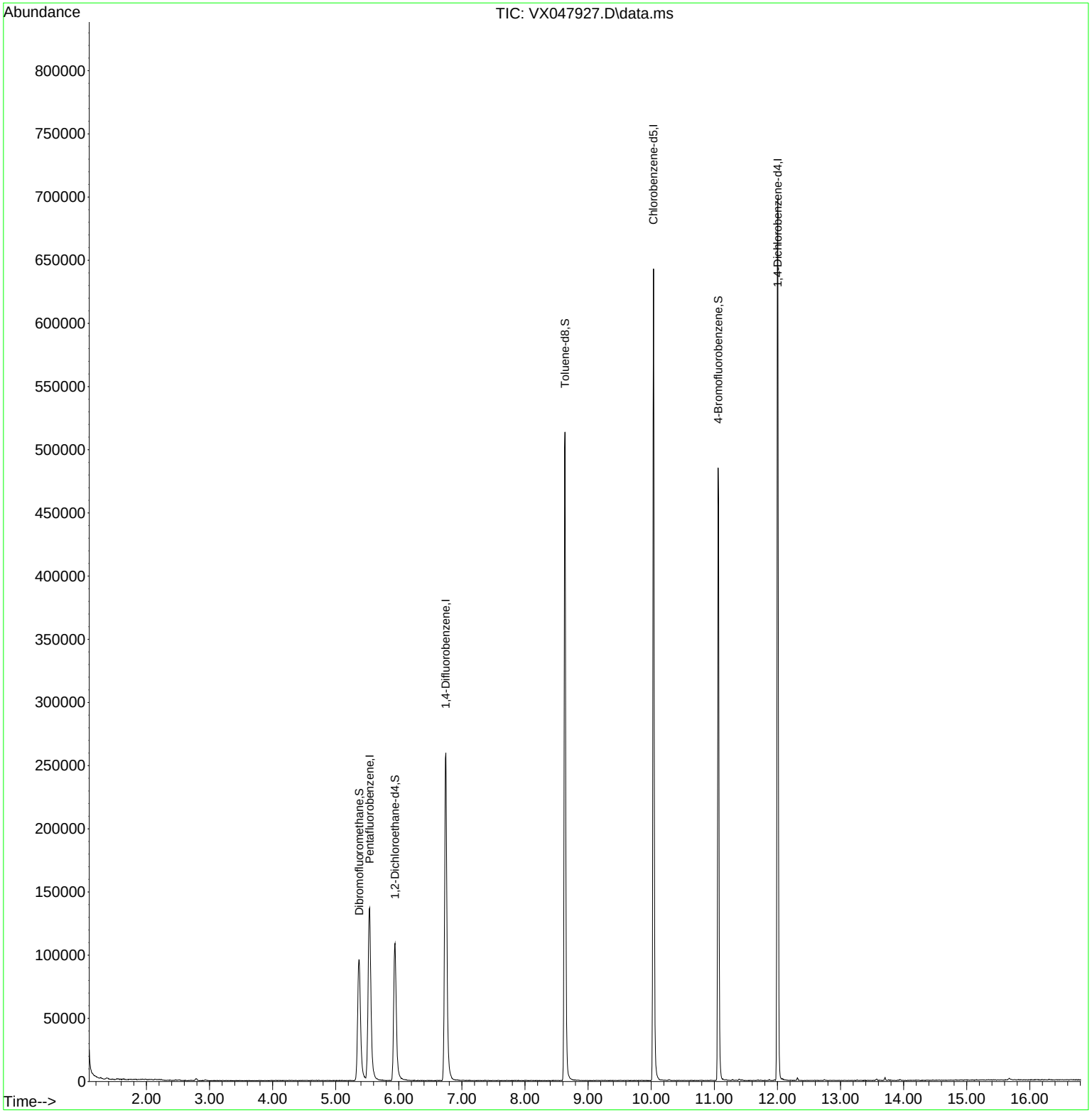
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	138593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	281738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	119484	54.162	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.320%			
35) Dibromofluoromethane	5.373	113	96410	51.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	8.634	98	321714	49.207	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.420%			
62) 4-Bromofluorobenzene	11.061	95	138483	55.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.620%			
Target Compounds						Qvalue

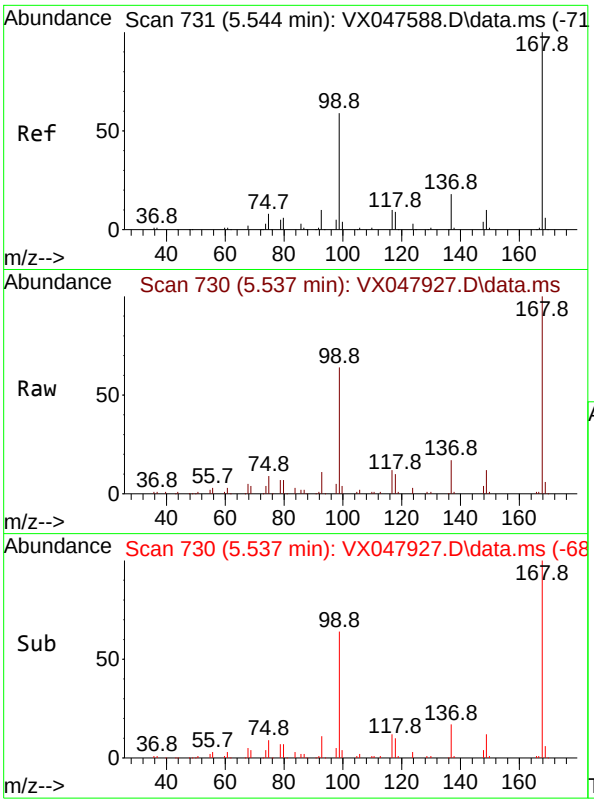
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047927.D
Acq On : 01 Oct 2025 10:03
Operator : JC/MD
Sample : VX1001WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Quant Time: Oct 03 01:15:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



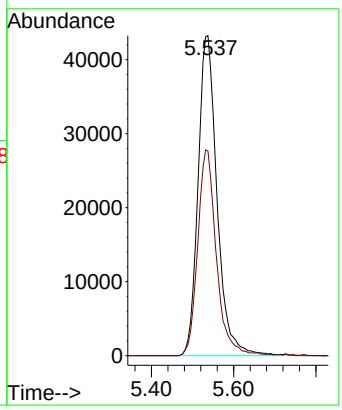


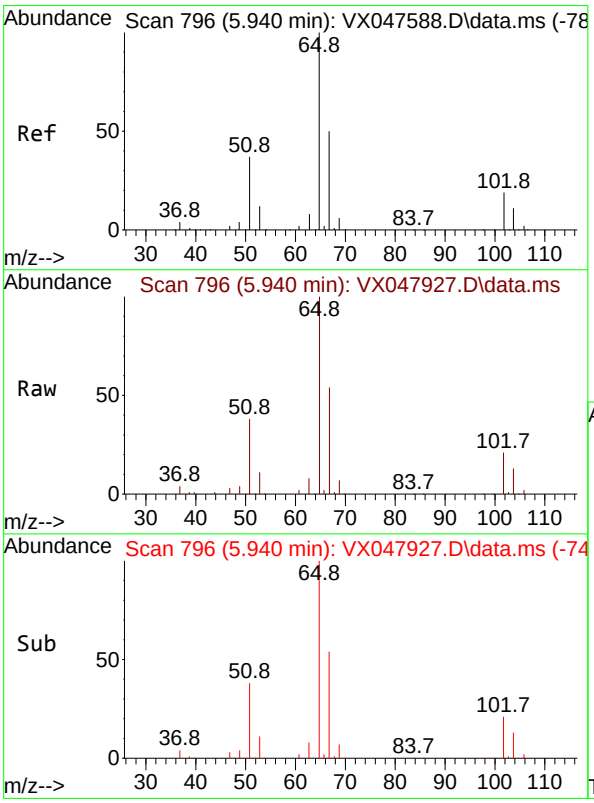
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Tgt Ion:168 Resp: 138593

Ion	Ratio	Lower	Upper
168	100		
99	63.9	48.8	73.2

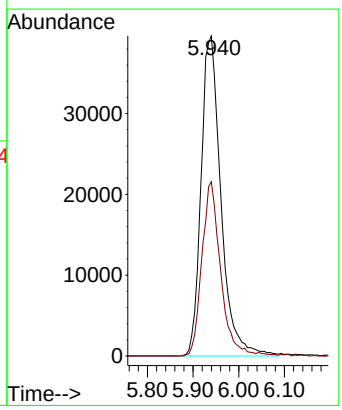


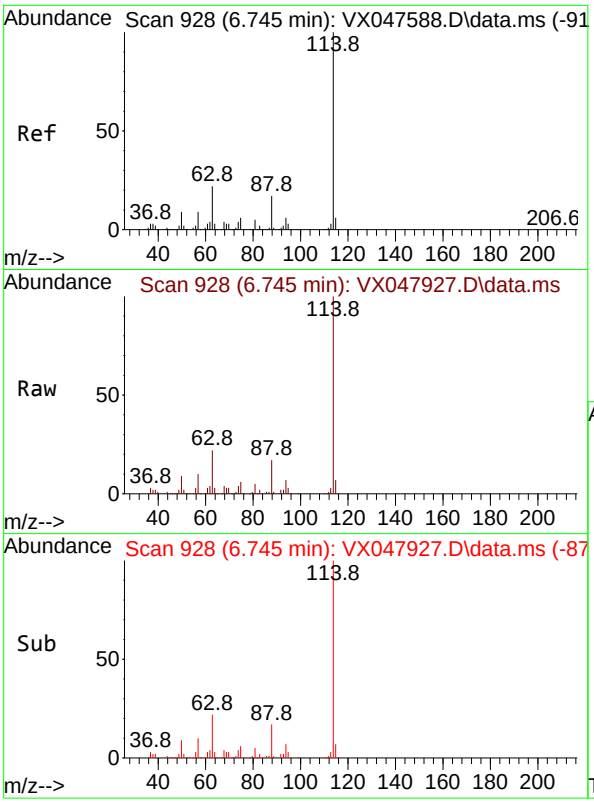


#33
1,2-Dichloroethane-d4
Concen: 54.162 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Tgt Ion: 65 Resp: 119484

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.0



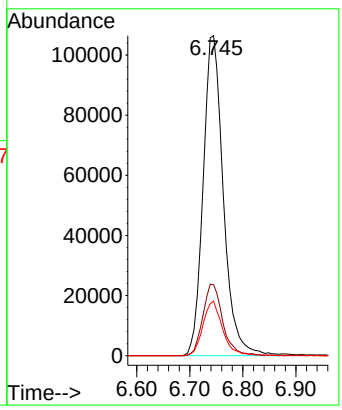


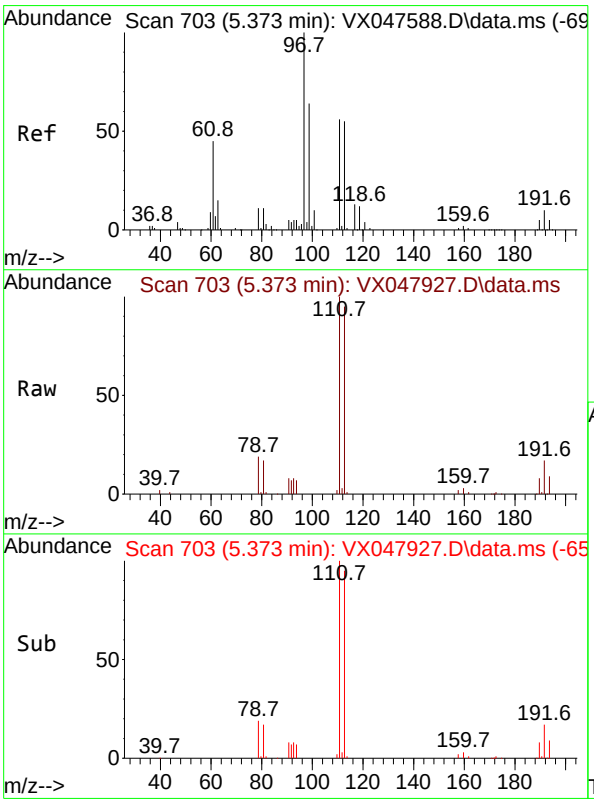
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Tgt Ion:114 Resp: 281738

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	17.1	0.0	34.2

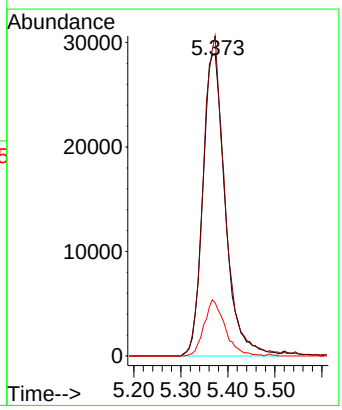


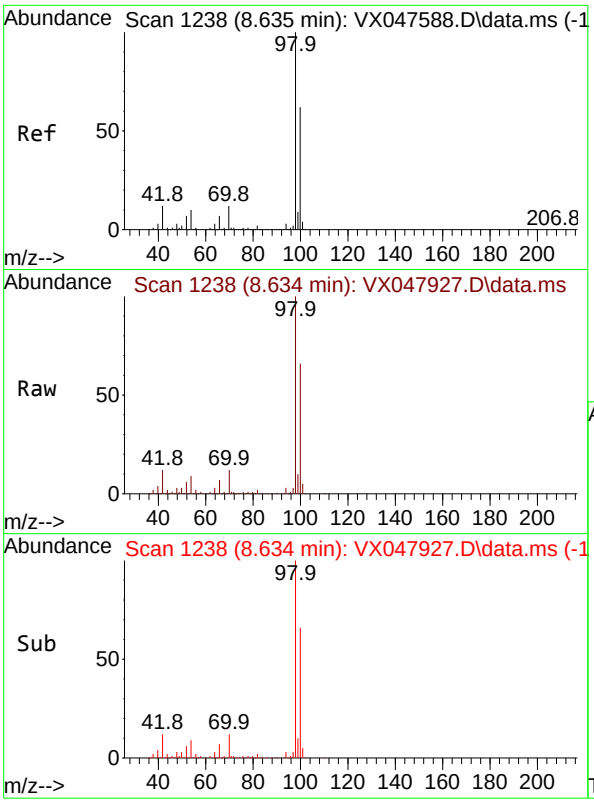


#35
Dibromofluoromethane
Concen: 51.024 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Tgt Ion:113 Resp: 96410

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.3	14.2	21.4



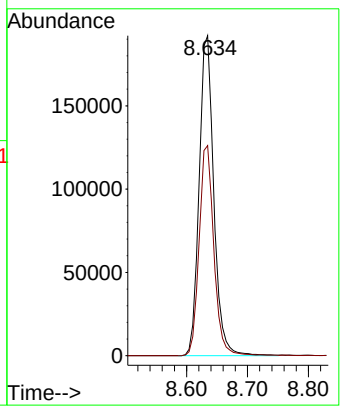


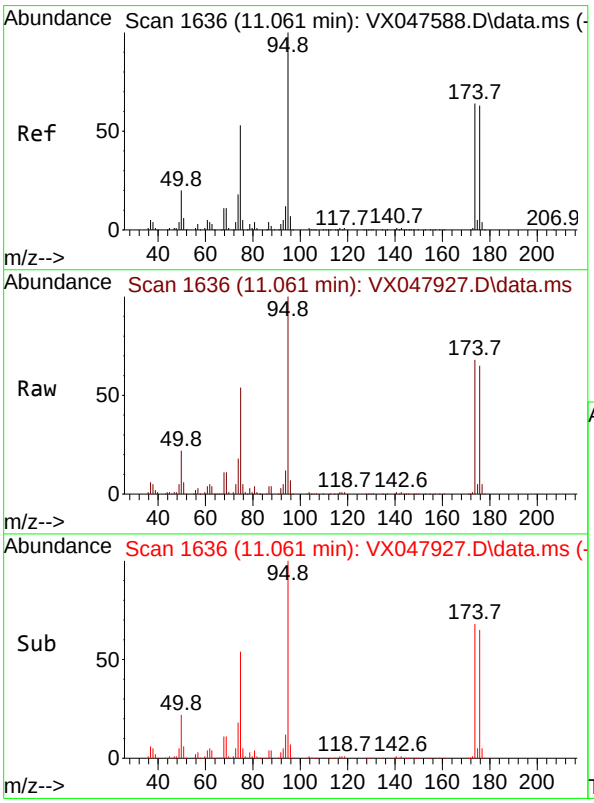
#50
Toluene-d8
Concen: 49.207 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Tgt Ion: 98 Resp: 321714

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

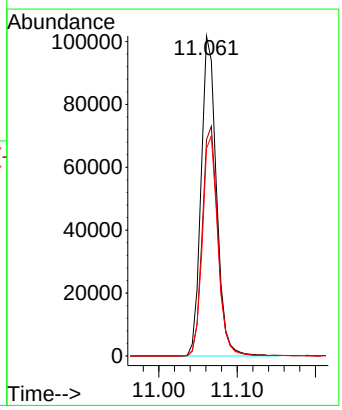


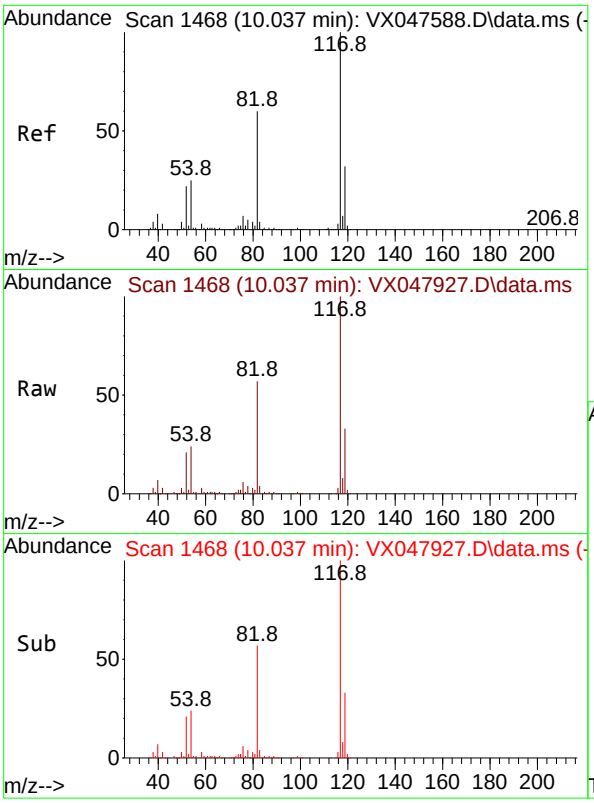


#62
4-Bromofluorobenzene
Concen: 55.811 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Tgt Ion: 95 Resp: 138483

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	141.6
176	69.6	0.0	138.4



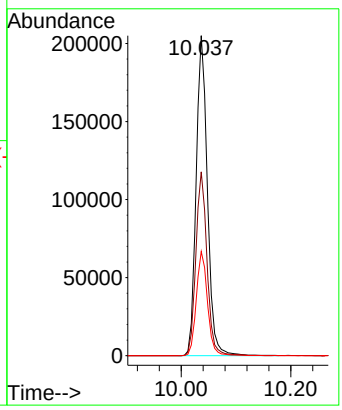


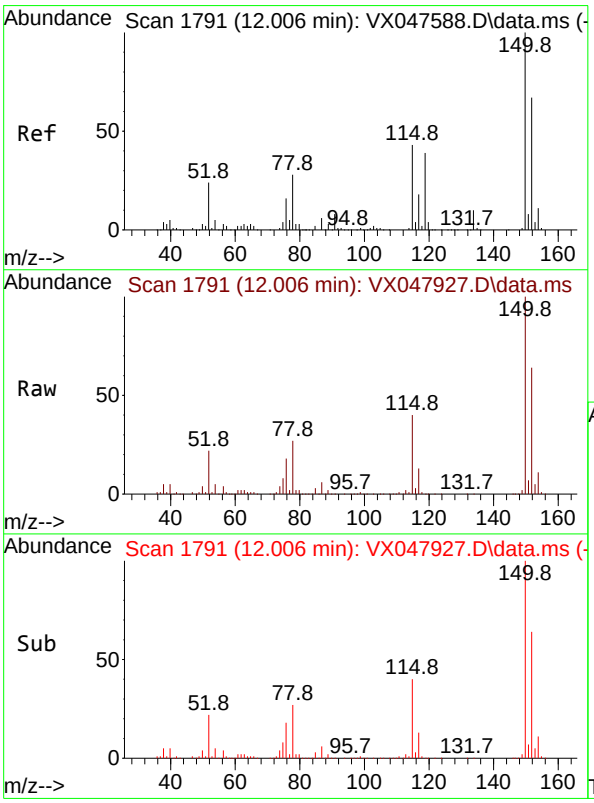
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Tgt Ion:117 Resp: 294028

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	32.6	25.2	37.8

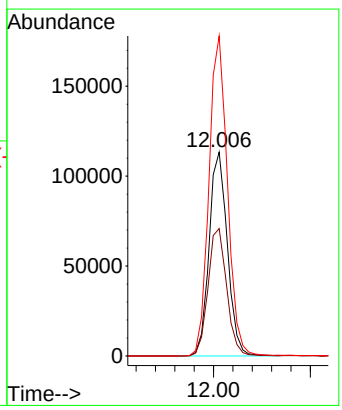




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047927.D
Acq: 01 Oct 2025 10:03

Tgt Ion:152 Resp: 149007

Ion	Ratio	Lower	Upper
152	100		
115	63.9	44.9	134.5
150	158.9	0.0	352.0



Raw Data: **VX047983.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1003WBL01	SDG No.:	Q3193
Lab Sample ID:	VX1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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

Raw Data: **VX047983.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1003WBL01	SDG No.:	Q3193
Lab Sample ID:	VX1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	278000	6.751				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.006				

Raw Data: **VX047983.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1003WBL01	SDG No.:	Q3193
Lab Sample ID:	VX1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Time: Oct 03 23:42:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	132031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278145	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	118862	56.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.120%			
35) Dibromofluoromethane	5.373	113	95126	50.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.634	98	318678	49.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.067	95	139510	56.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.900%			

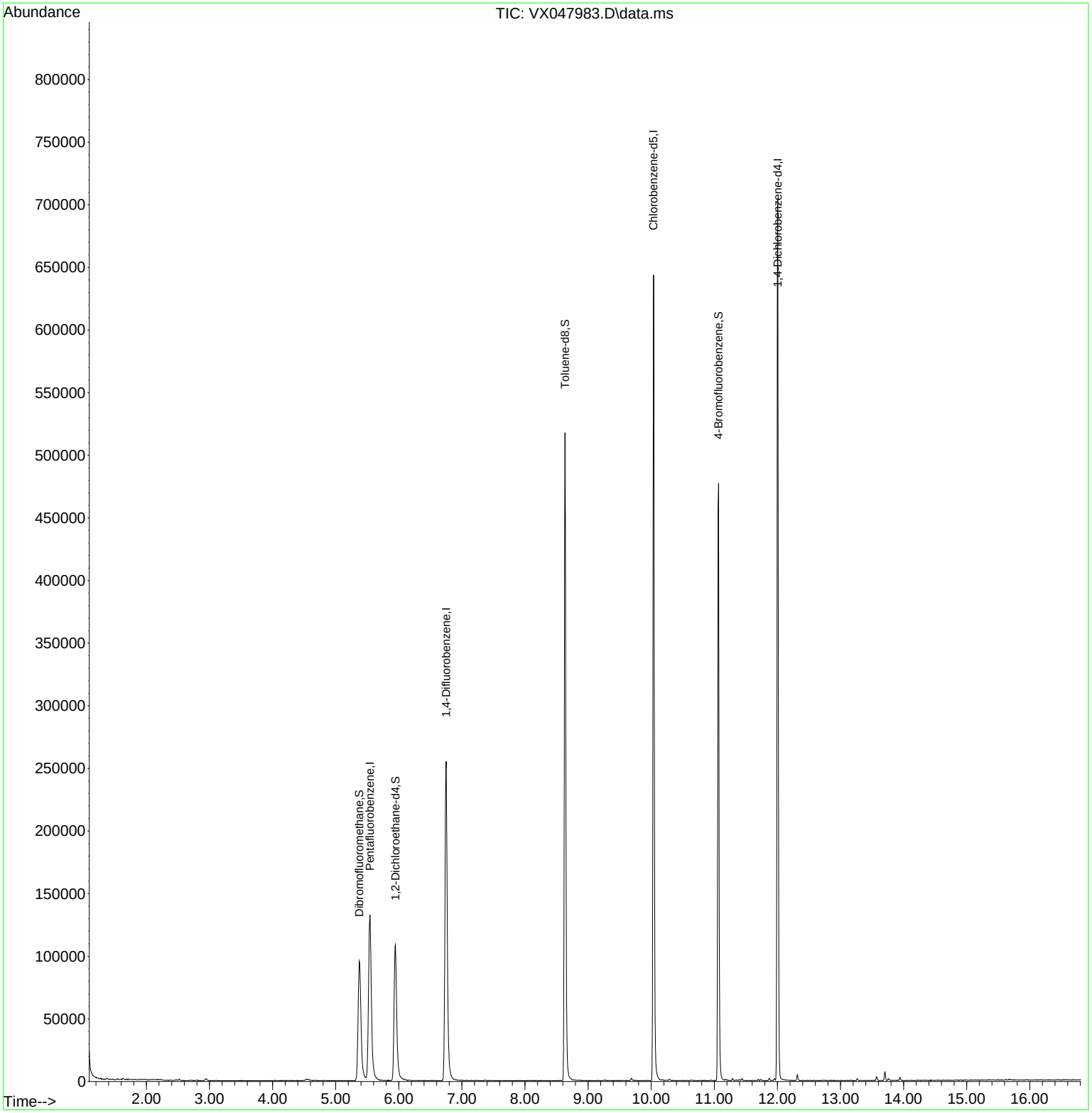
Target Compounds Qvalue

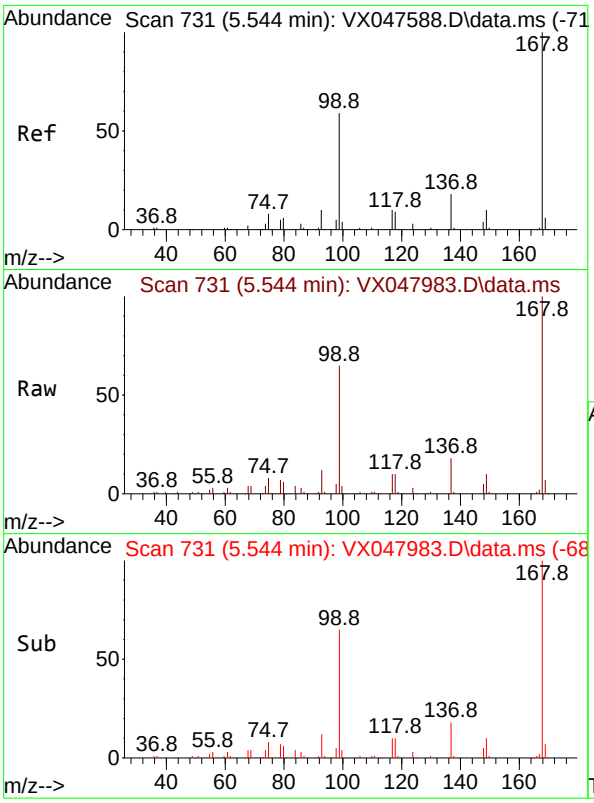
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Time: Oct 03 23:42:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



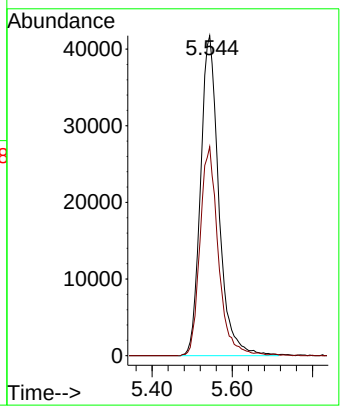


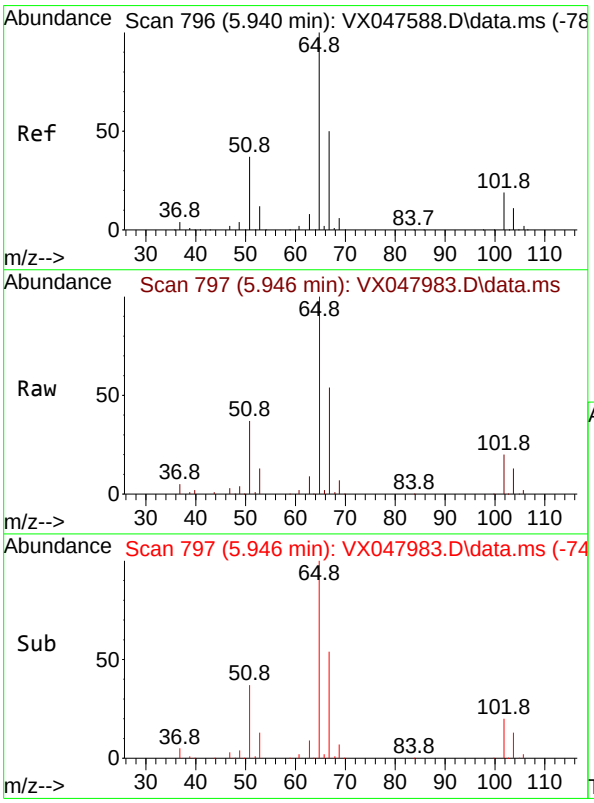
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion:168 Resp: 132031

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.8	73.2

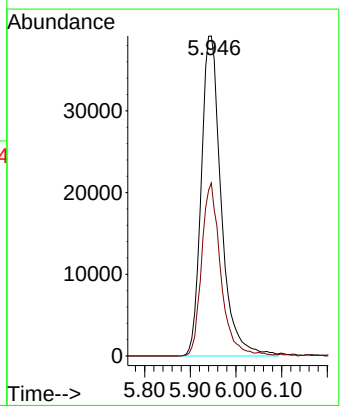


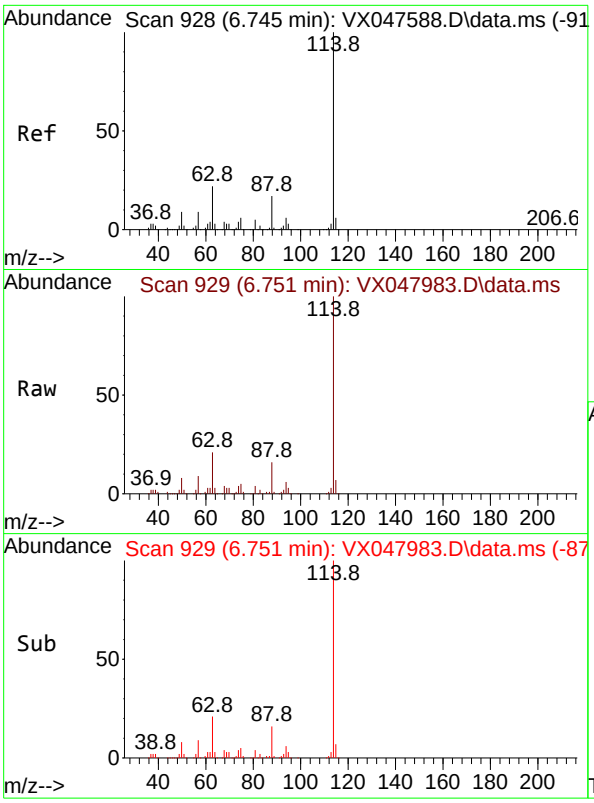


#33
1,2-Dichloroethane-d4
Concen: 56.558 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 65 Resp: 118862

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



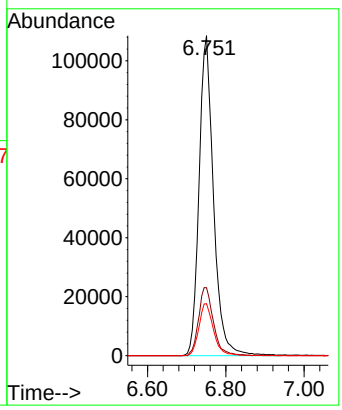


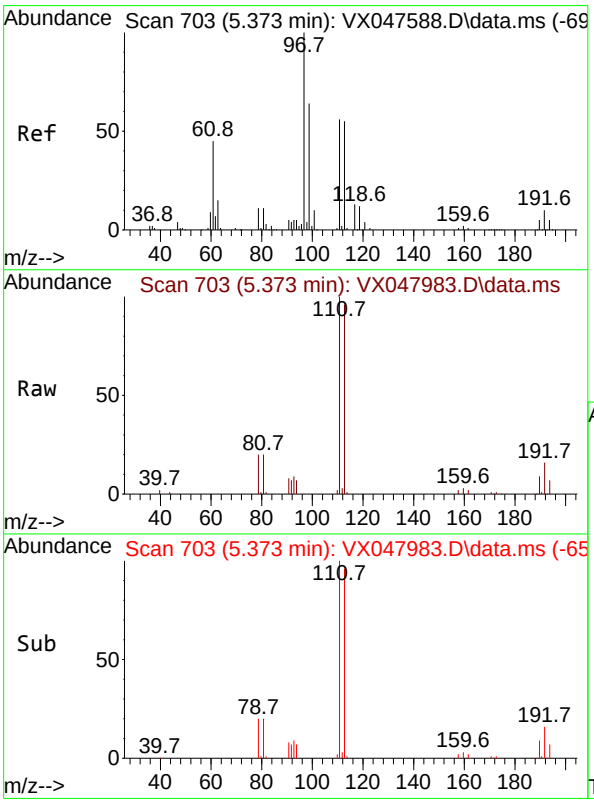
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion:114 Resp: 278145

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.2	0.0	34.2

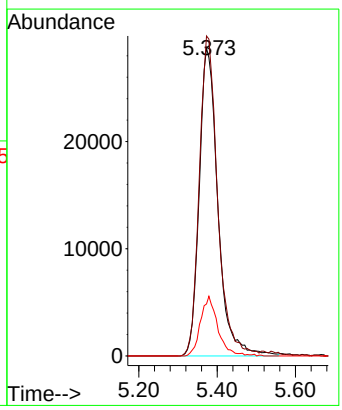


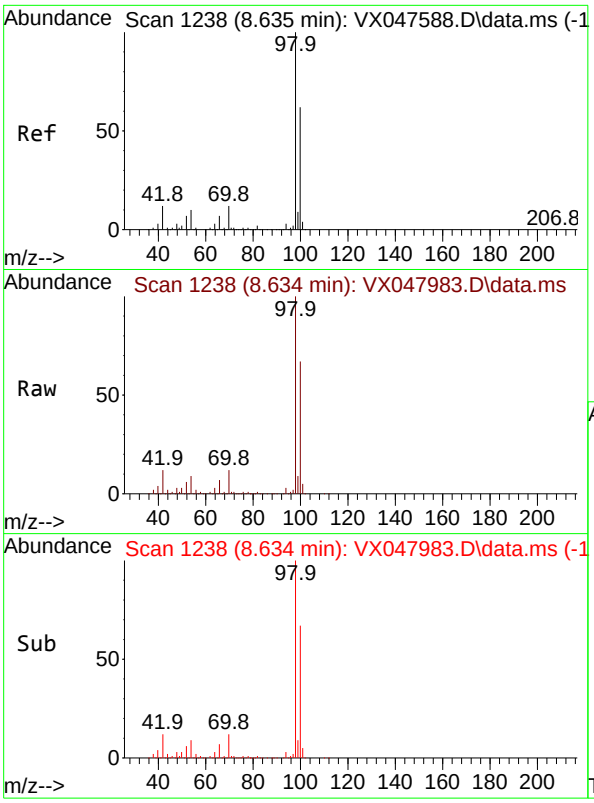


#35
Dibromofluoromethane
Concen: 50.995 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion:113 Resp: 95126

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	17.9	14.2	21.4



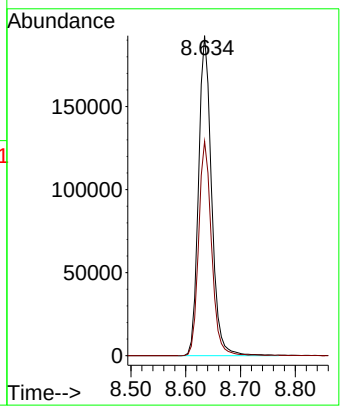


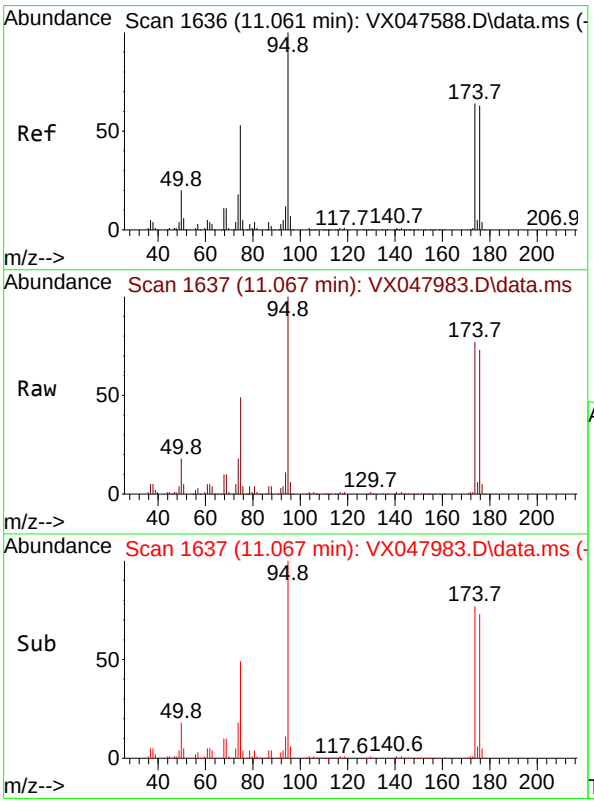
#50
Toluene-d8
Concen: 49.372 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion: 98 Resp: 318678

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

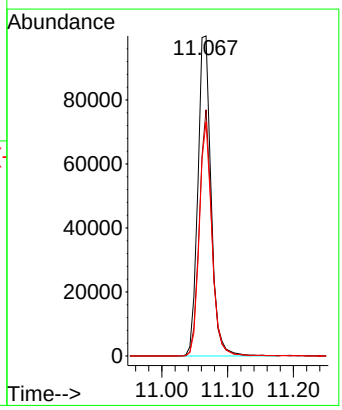


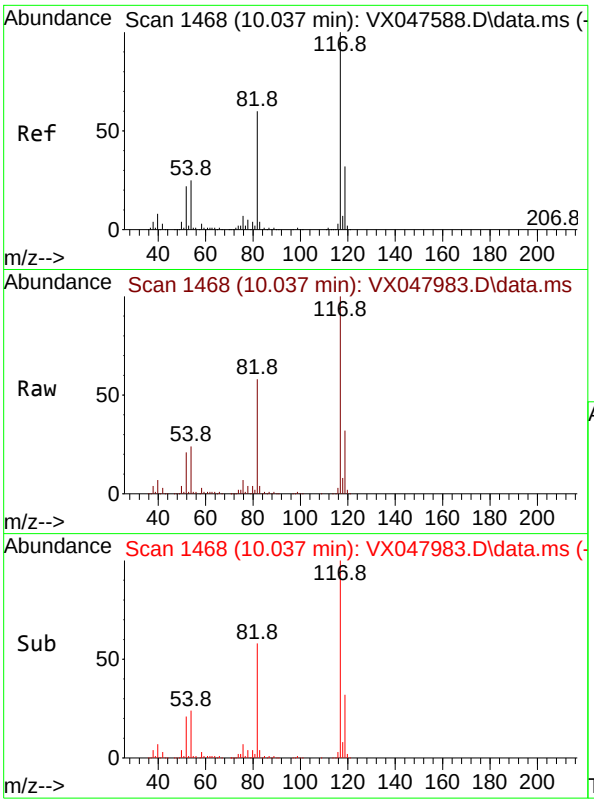


#62
4-Bromofluorobenzene
Concen: 56.951 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 95 Resp: 139510

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	69.4	0.0	138.4



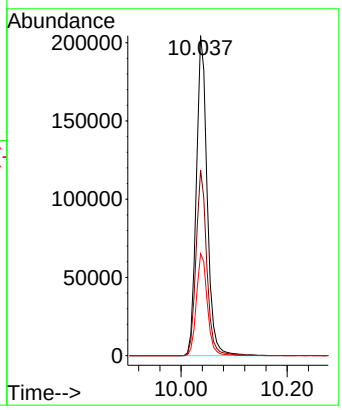


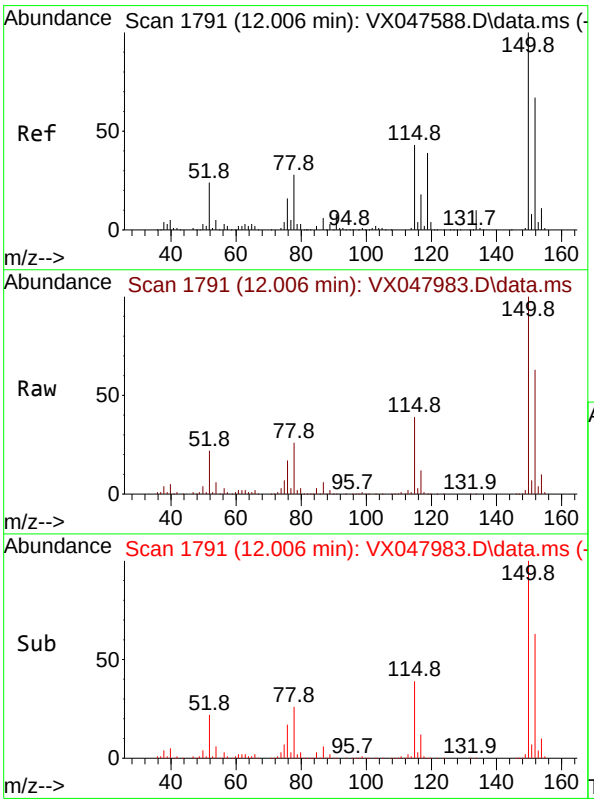
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion:117 Resp: 290715

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.6
119	31.8	25.2	37.8

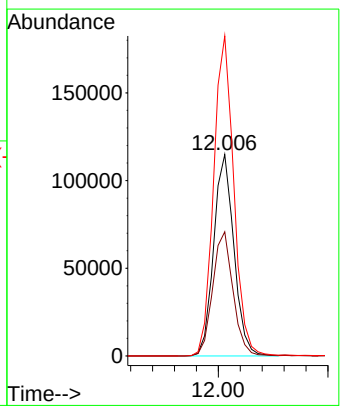




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion:152 Resp: 147497

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	158.9	0.0	352.0



Raw Data: **VX047899.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0930WBS01	SDG No.:	Q3193
Lab Sample ID:	VX0930WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	21.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	19.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		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	19.3		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	22.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	21.6		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	19.0		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	19.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		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	20.9		0.14	0.50	1.00	ug/L

Raw Data: **VX047899.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0930WBS01	SDG No.:	Q3193
Lab Sample ID:	VX0930WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	22.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		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	19.7		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	19.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	5.537				
540-36-3	1,4-Difluorobenzene	252000	6.744				
3114-55-4	Chlorobenzene-d5	232000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.006				

Raw Data: **VX047899.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0930WBS01	SDG No.:	Q3193
Lab Sample ID:	VX0930WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047899.D	1	09/30/25 11:06	VX093025

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\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	139945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	252162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	231700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111456	50.035	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.367	113	88183	52.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.634	98	298245	50.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.061	95	114694	51.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	31074	21.443	ug/l	100
3) Chloromethane	1.300	50	37023	19.439	ug/l	97
4) Vinyl Chloride	1.379	62	38369	20.580	ug/l	100
5) Bromomethane	1.617	94	24885	21.049	ug/l	97
6) Chloroethane	1.696	64	26261	21.075	ug/l	98
7) Trichlorofluoromethane	1.898	101	58065	20.976	ug/l	98
8) Diethyl Ether	2.135	74	23817	21.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.330	101	33865	20.922	ug/l	98
10) Methyl Iodide	2.452	142	44738	17.722	ug/l	99
11) Tert butyl alcohol	2.940	59	24336	98.093	ug/l	98
12) 1,1-Dichloroethene	2.324	96	33782	20.318	ug/l	98
13) Acrolein	2.233	56	17071	74.669	ug/l	94
14) Allyl chloride	2.666	41	66537	19.393	ug/l	96
15) Acrylonitrile	3.056	53	101872	110.857	ug/l	99
16) Acetone	2.373	43	102419	105.744	ug/l	98
17) Carbon Disulfide	2.513	76	87847	19.299	ug/l	98
18) Methyl Acetate	2.696	43	49397	22.917	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	125472	20.672	ug/l	96
20) Methylene Chloride	2.788	84	44362	21.638	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	36680	20.491	ug/l	94
22) Diisopropyl ether	3.751	45	141324	21.254	ug/l	97
23) Vinyl Acetate	3.708	43	552550	103.827	ug/l	100
24) 1,1-Dichloroethane	3.605	63	74644	21.120	ug/l	97
25) 2-Butanone	4.537	43	133106	110.173	ug/l	100
26) 2,2-Dichloropropane	4.464	77	60806	20.697	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	45621	20.810	ug/l	99
28) Bromochloromethane	4.879	49	35248	22.845	ug/l	98
29) Tetrahydrofuran	4.989	42	78796	108.416	ug/l	99
30) Chloroform	5.074	83	78555	21.995	ug/l	99
31) Cyclohexane	5.458	56	56003	19.026	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	63051	20.814	ug/l	99
36) 1,1-Dichloropropene	5.684	75	47877	19.374	ug/l	98
37) Ethyl Acetate	4.696	43	55026	20.797	ug/l	98
38) Carbon Tetrachloride	5.659	117	53161	19.800	ug/l	96
39) Methylcyclohexane	7.366	83	51798	18.466	ug/l	97
40) Benzene	6.019	78	156993	20.917	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	29878	21.873	ug/l		98
42) 1,2-Dichloroethane	6.068	62	59274	20.756	ug/l		97
43) Isopropyl Acetate	6.318	43	88344	20.358	ug/l		99
44) Trichloroethene	7.110	130	37124	20.459	ug/l		97
45) 1,2-Dichloropropane	7.415	63	41005	21.336	ug/l		94
46) Dibromomethane	7.567	93	30294	21.661	ug/l		99
47) Bromodichloromethane	7.805	83	62078	21.510	ug/l		98
48) Methyl methacrylate	7.677	41	43226	19.998	ug/l		97
49) 1,4-Dioxane	7.647	88	10293	471.195	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	264493	109.932	ug/l		99
52) Toluene	8.701	92	96436	20.855	ug/l		100
53) t-1,3-Dichloropropene	8.963	75	60522	20.559	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	66061	20.996	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	39041	21.896	ug/l		97
56) Ethyl methacrylate	9.098	69	57568	20.558	ug/l		99
57) 1,3-Dichloropropane	9.293	76	67303	21.973	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	135613	108.246	ug/l		99
59) 2-Hexanone	9.415	43	188844	109.286	ug/l		100
60) Dibromochloromethane	9.506	129	45550	22.171	ug/l		98
61) 1,2-Dibromoethane	9.591	107	41458	22.828	ug/l		100
64) Tetrachloroethene	9.256	164	29553	19.566	ug/l		98
65) Chlorobenzene	10.061	112	107879	20.495	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38886	21.408	ug/l		100
67) Ethyl Benzene	10.177	91	179475	19.761	ug/l		100
68) m/p-Xylenes	10.286	106	137274	40.608	ug/l		99
69) o-Xylene	10.622	106	65978	20.178	ug/l		99
70) Styrene	10.640	104	117279	20.470	ug/l		98
71) Bromoform	10.780	173	29485	21.740	ug/l	#	97
73) Isopropylbenzene	10.945	105	169045	19.011	ug/l		100
74) N-amyl acetate	10.823	43	75908	18.720	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57365	21.323	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	43155m	18.223	ug/l		
77) Bromobenzene	11.183	156	43262	19.754	ug/l		98
78) n-propylbenzene	11.286	91	203358	19.346	ug/l		100
79) 2-Chlorotoluene	11.347	91	125246	19.454	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	142350	19.485	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	16033	17.265	ug/l		94
82) 4-Chlorotoluene	11.439	91	147339	19.377	ug/l		98
83) tert-Butylbenzene	11.695	119	141288	18.892	ug/l		98
84) 1,2,4-Trimethylbenzene	11.737	105	144682	19.534	ug/l		98
85) sec-Butylbenzene	11.871	105	172007	19.363	ug/l		100
86) p-Isopropyltoluene	11.993	119	143333	19.059	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	80302	19.740	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	82964	19.871	ug/l		99
89) n-Butylbenzene	12.317	91	131974	18.965	ug/l		98
90) Hexachloroethane	12.518	117	26275	19.900	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	77273	19.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10179	18.688	ug/l		93
93) 1,2,4-Trichlorobenzene	13.566	180	48099	19.097	ug/l		98
94) Hexachlorobutadiene	13.707	225	16798	19.635	ug/l		98
95) Naphthalene	13.755	128	142292	18.552	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	45008	19.210	ug/l		99

Sample Results: **VX047899.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

Sample Results: **VX047899.D**

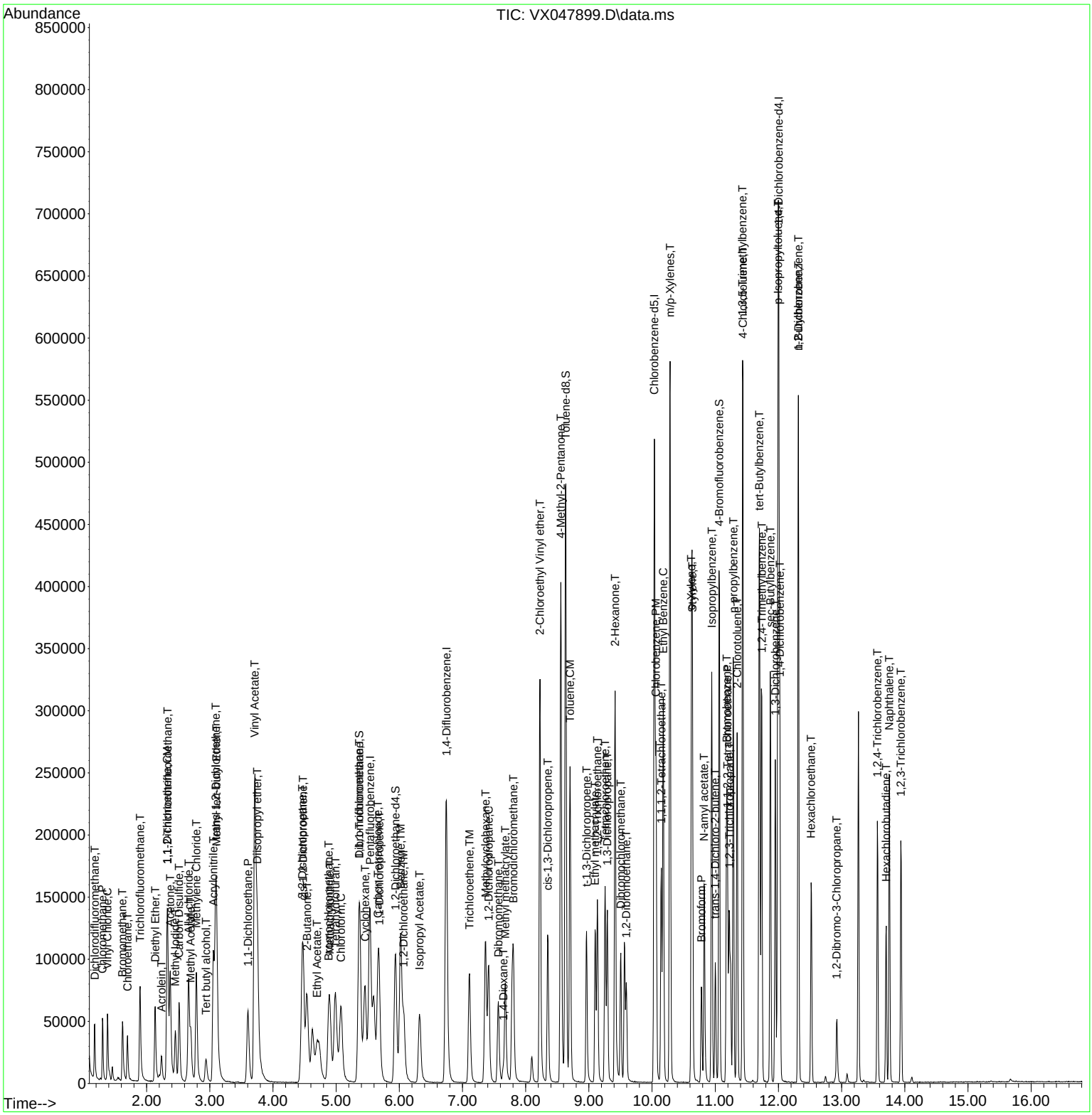
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

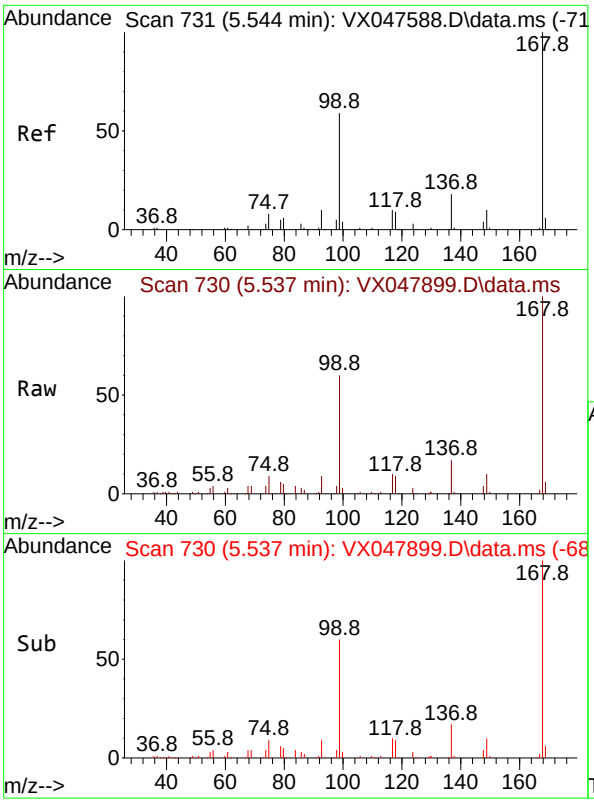
Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

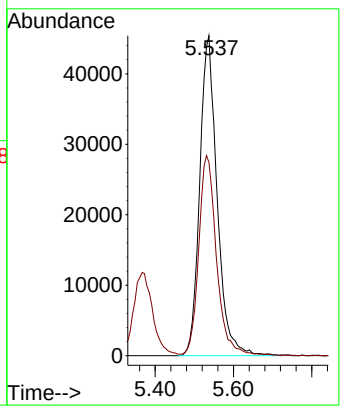




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:168 Resp: 13994

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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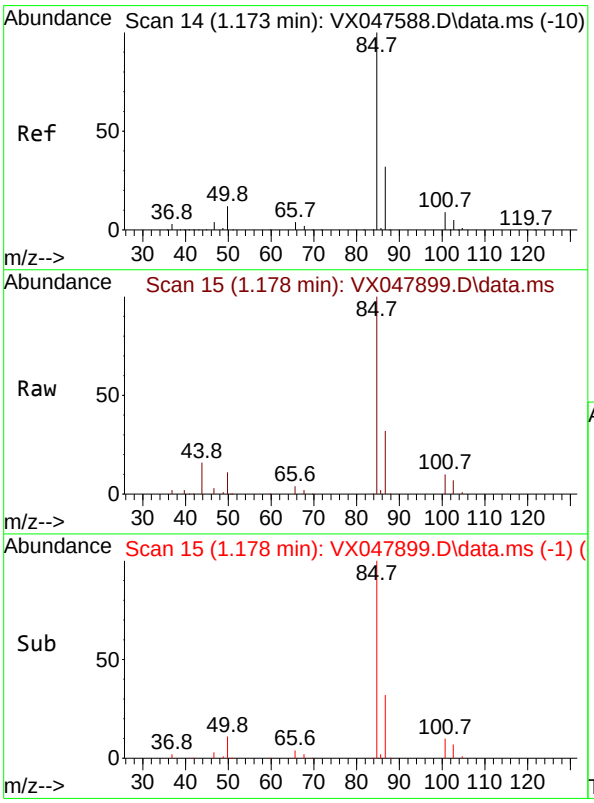
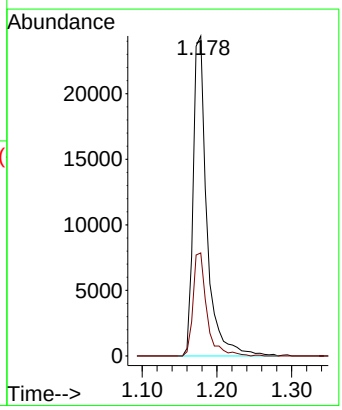
Supervised By :Mahesh Dadoda 10/03/2025

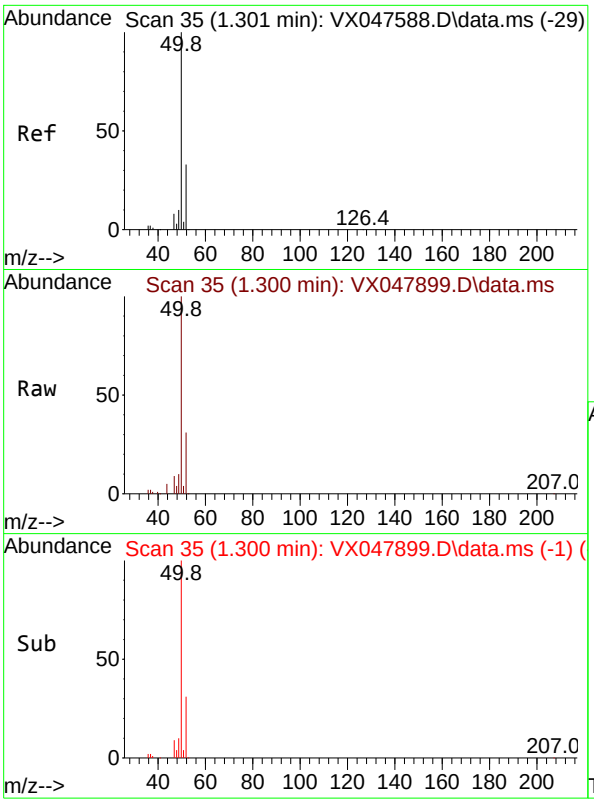


#2
Dichlorodifluoromethane
Concen: 21.443 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 85 Resp: 31074

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3





#3
Chloromethane
Concen: 19.439 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 50 Resp: 3702

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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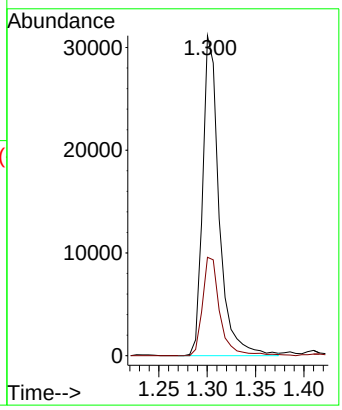
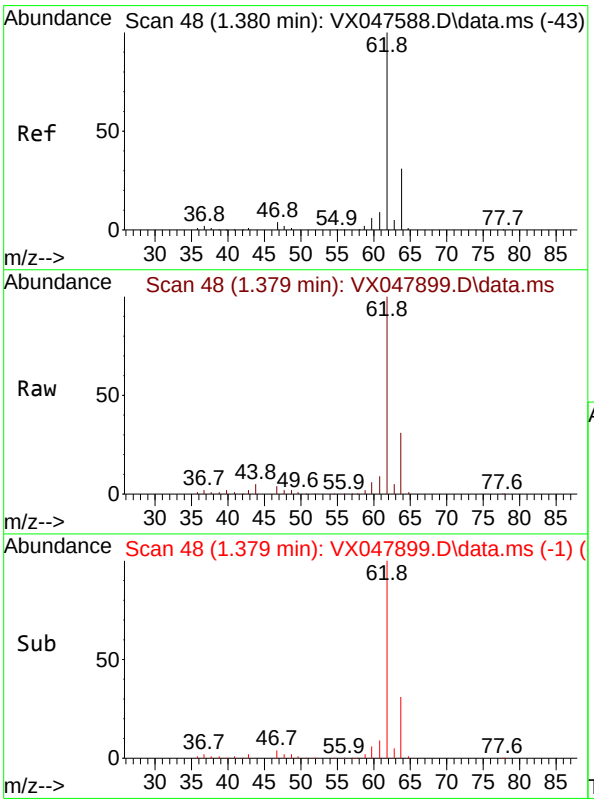
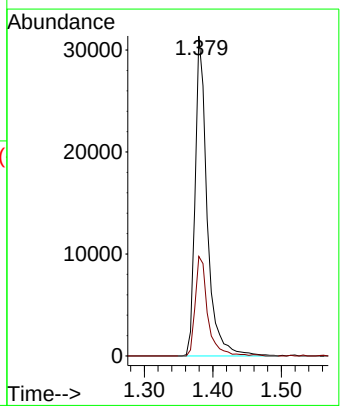


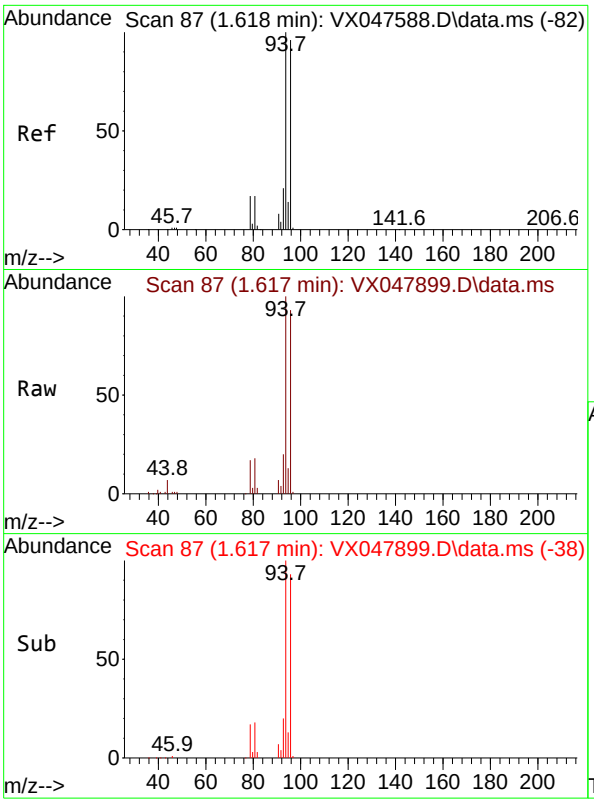


#4
Vinyl Chloride
Concen: 20.580 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 38369

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3





#5
Bromomethane
Concen: 21.049 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 94 Resp: 2488

Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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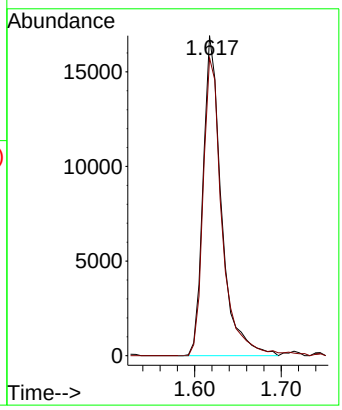
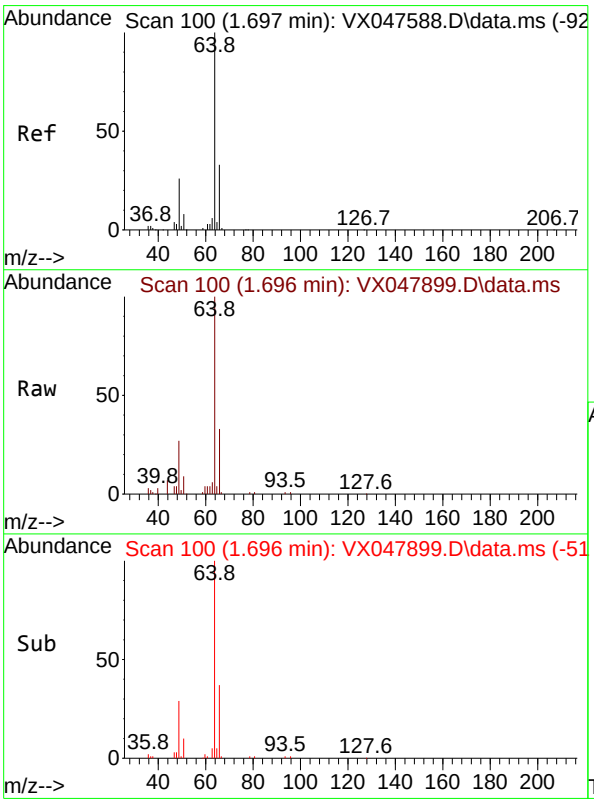
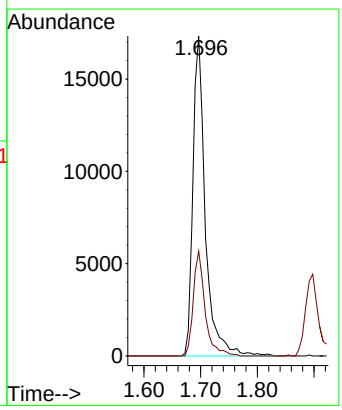


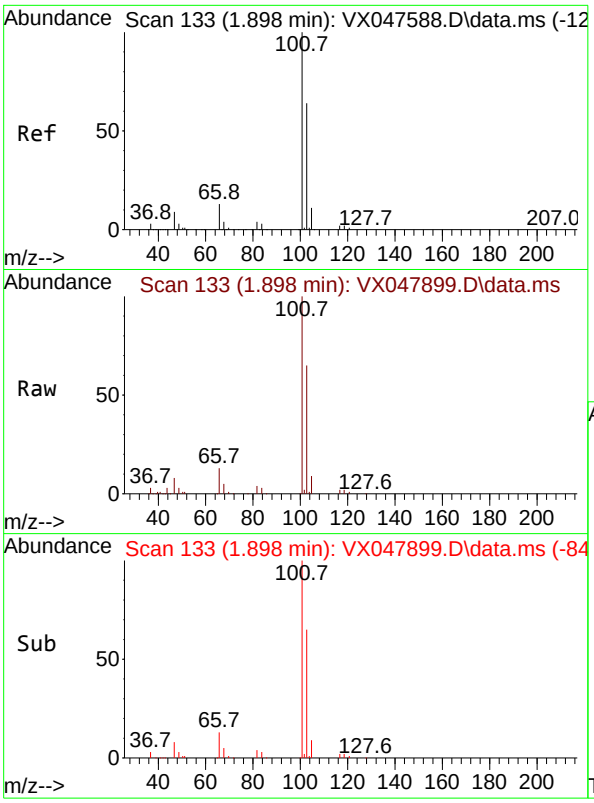


#6
Chloroethane
Concen: 21.075 ug/l
RT: 1.696 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 64 Resp: 26261

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.1	39.1





#7
Trichlorofluoromethane
Concen: 20.976 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:101 Resp: 5806

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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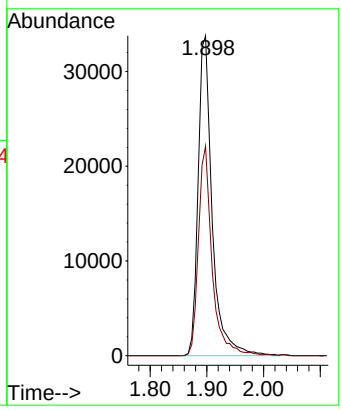
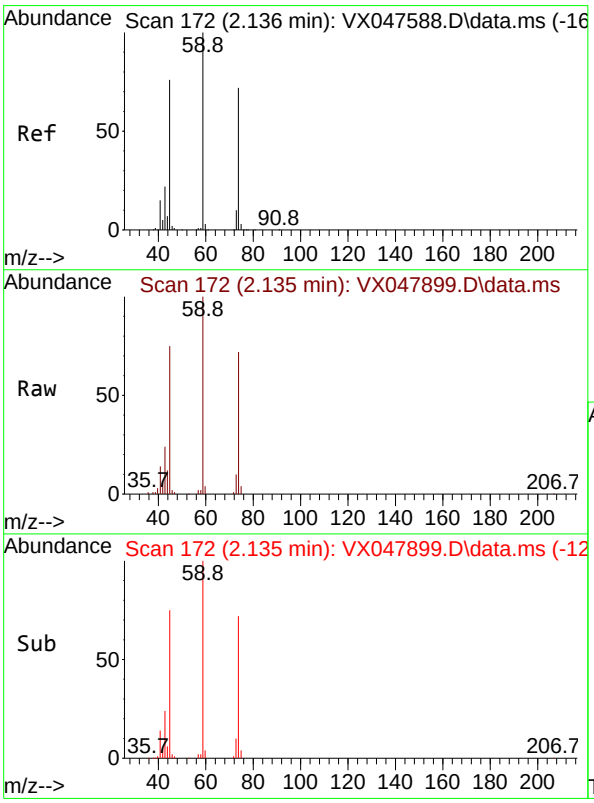
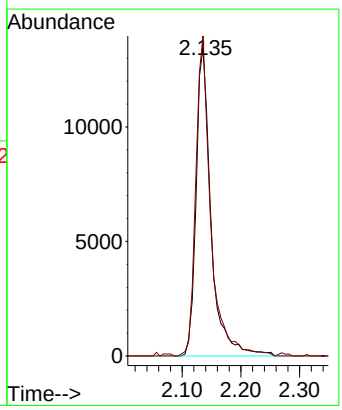


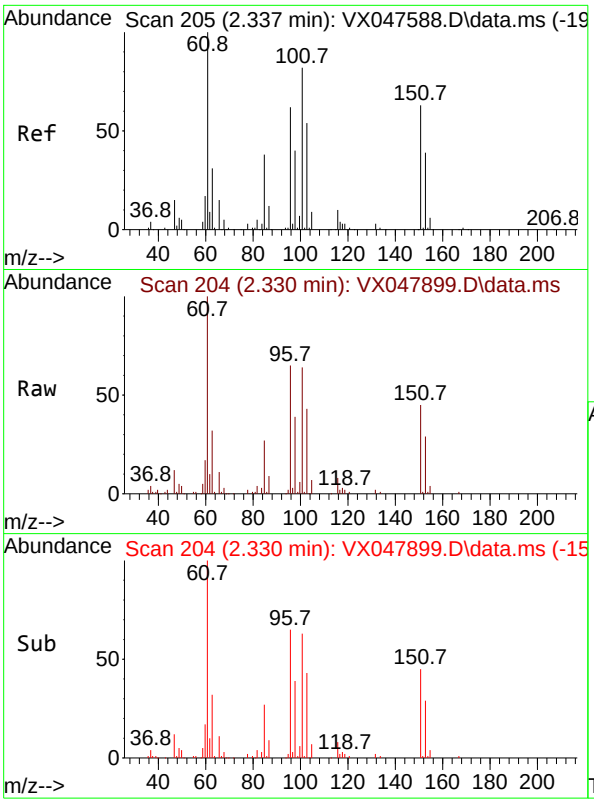


#8
Diethyl Ether
Concen: 21.032 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 74 Resp: 23817

Ion	Ratio	Lower	Upper
74	100		
45	103.6	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.922 ug/l
RT: 2.330 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:101 Resp: 3386

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	72.7	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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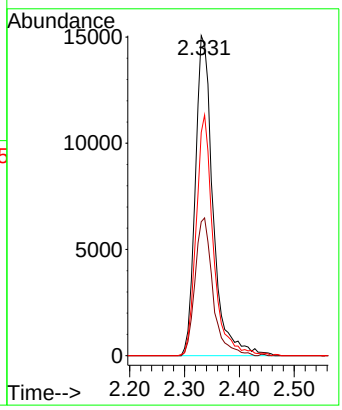
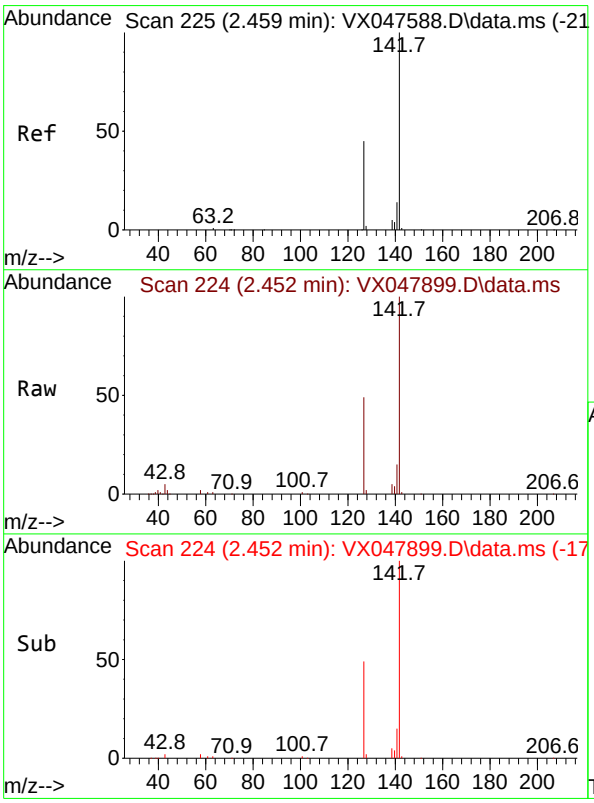
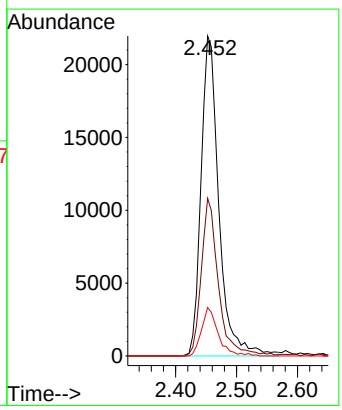


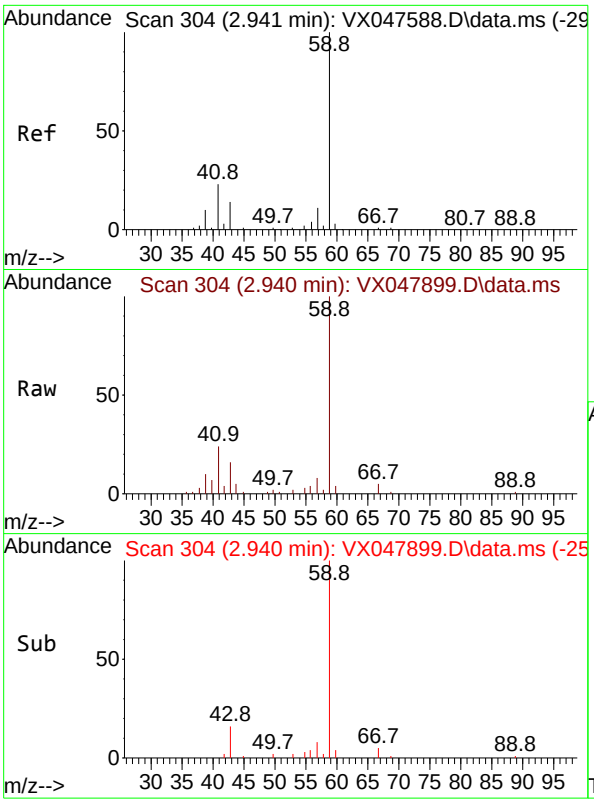


#10
Methyl Iodide
Concen: 17.722 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:142 Resp: 44738

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	14.2	11.4	17.0

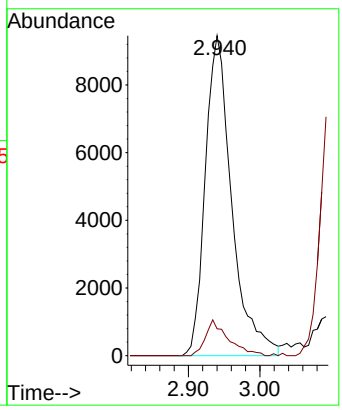




#11
Tert butyl alcohol
Concen: 98.093 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 59 Resp: 2433

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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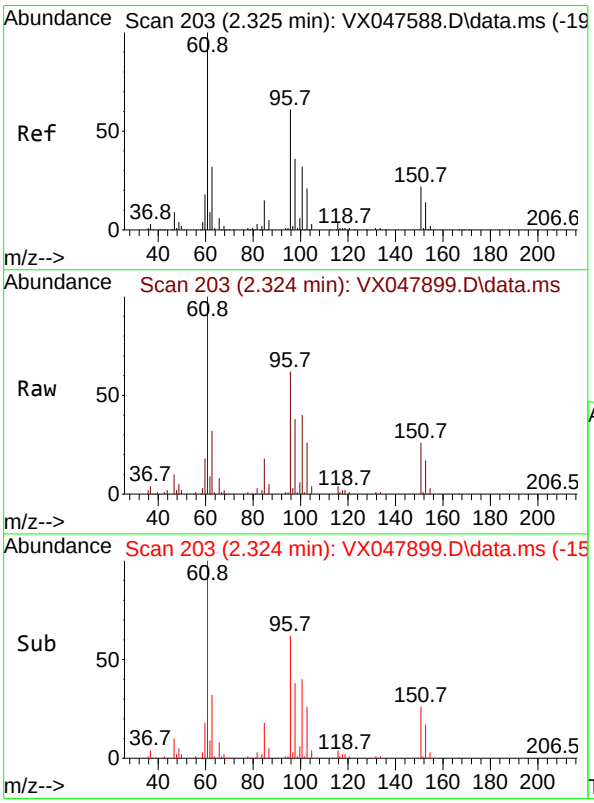
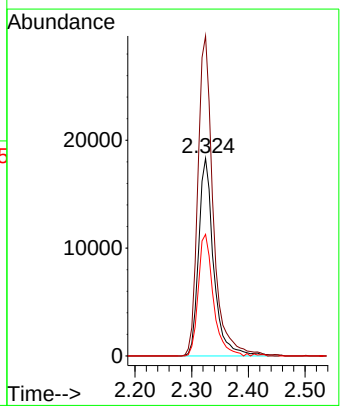
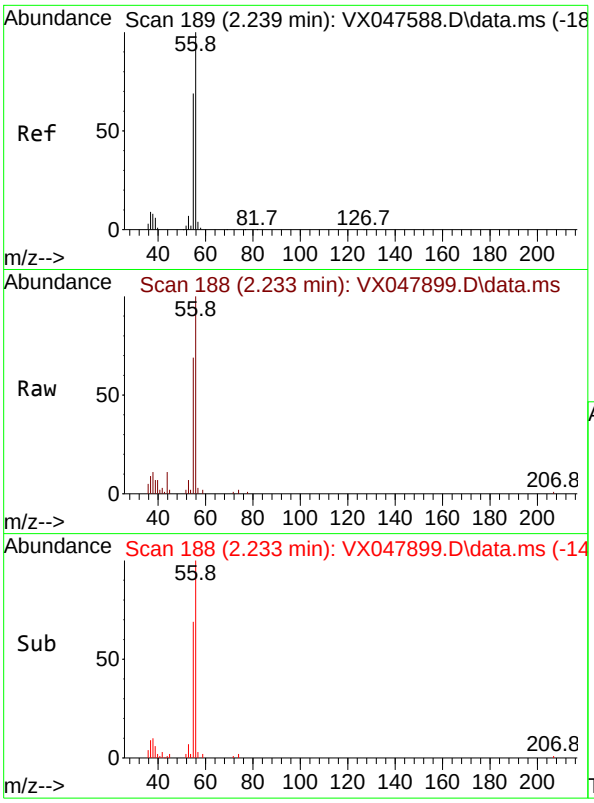


#12
1,1-Dichloroethene
Concen: 20.318 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 33782

Ion	Ratio	Lower	Upper
96	100		
61	161.9	131.0	196.6
98	63.1	47.7	71.5

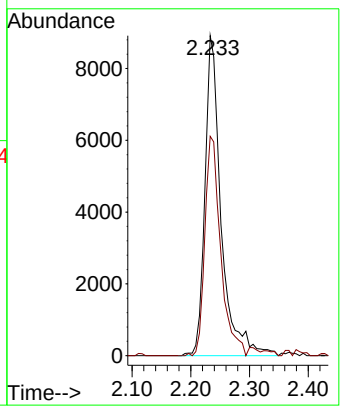




#13
Acrolein
Concen: 74.669 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 56 Resp: 1707

Ion	Ratio	Lower	Upper
56	100		
55	66.9	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
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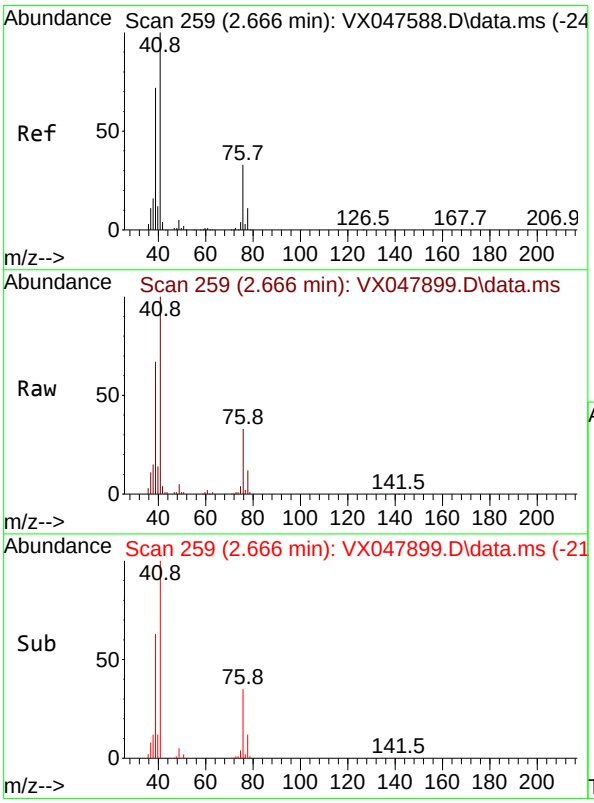
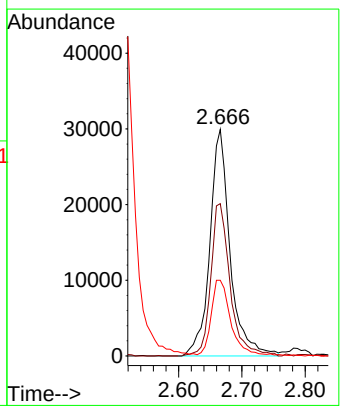
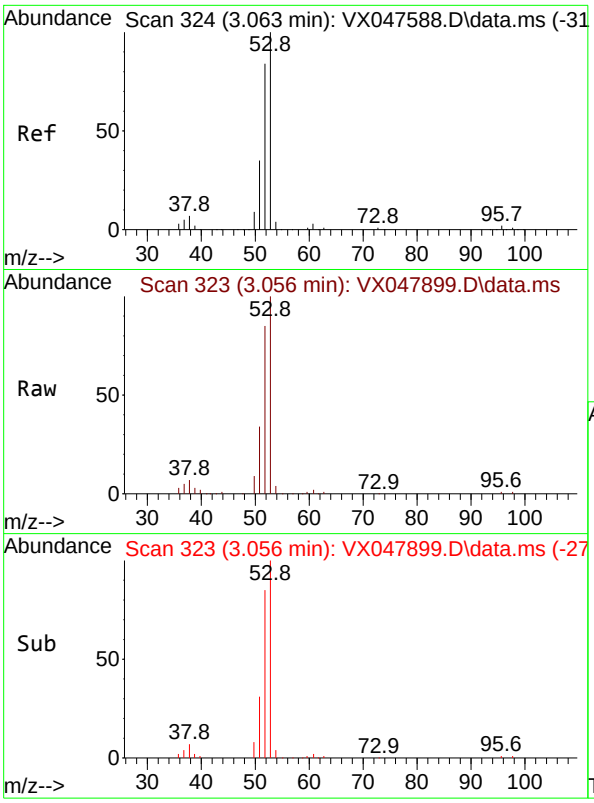


#14
Allyl chloride
Concen: 19.393 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 66537

Ion	Ratio	Lower	Upper
41	100		
39	64.0	54.7	82.1
76	32.1	25.7	38.5

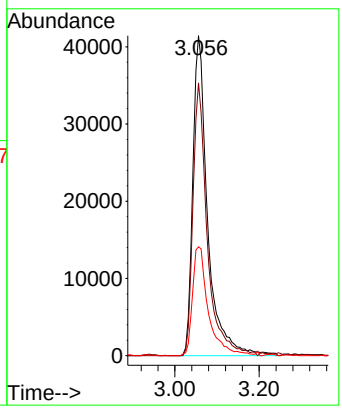




#15
Acrylonitrile
Concen: 110.857 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 53 Resp: 10187

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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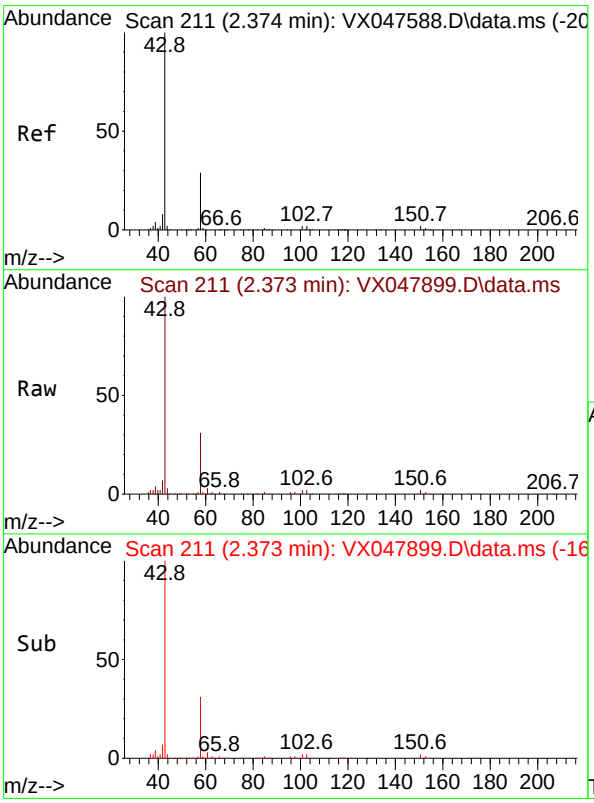
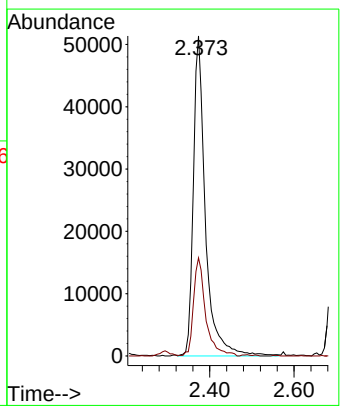
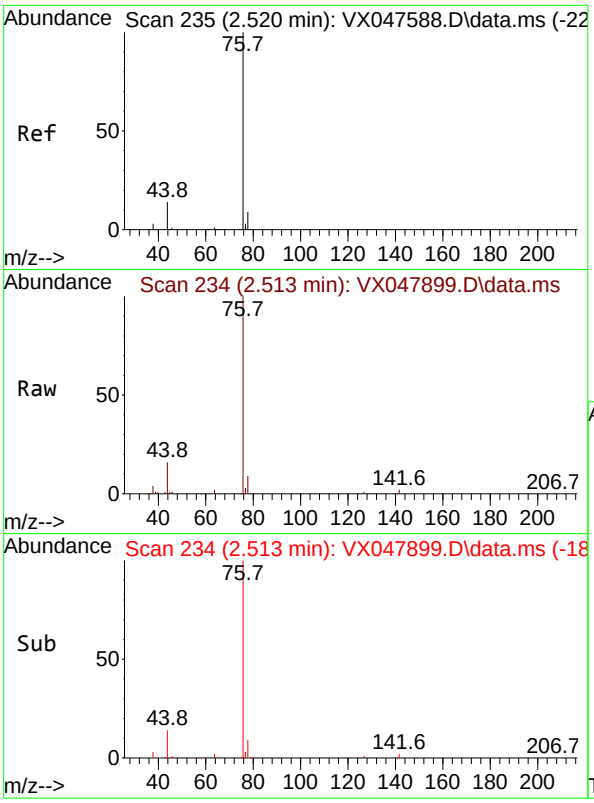


#16
Acetone
Concen: 105.744 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 102419

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0

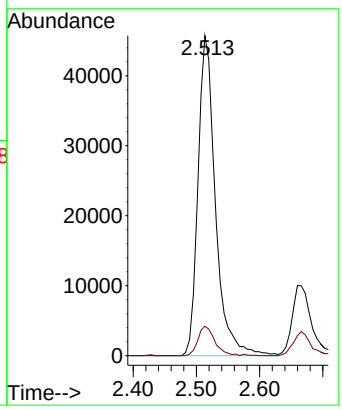




#17
Carbon Disulfide
Concen: 19.299 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 76 Resp: 8784

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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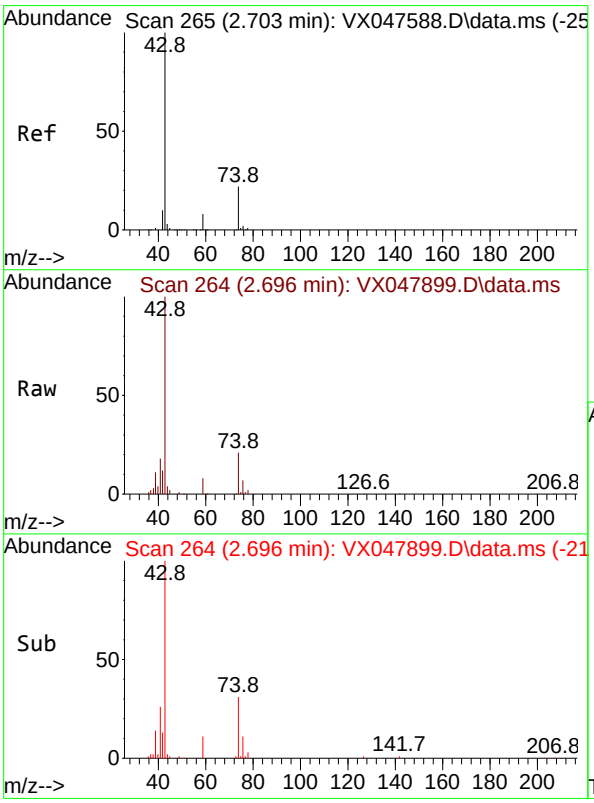
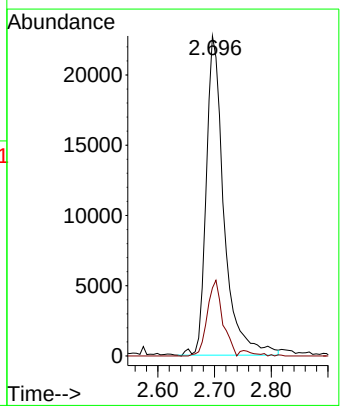
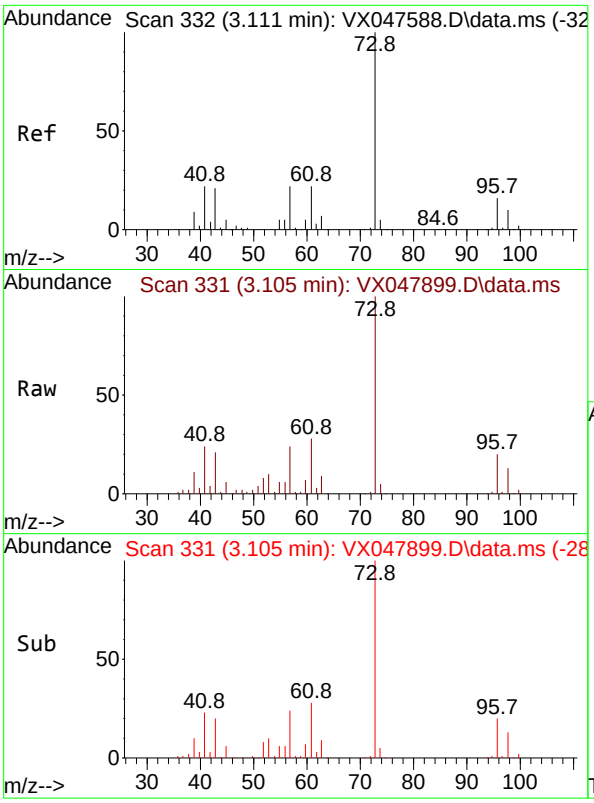


#18
Methyl Acetate
Concen: 22.917 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 49397

Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.4	26.2

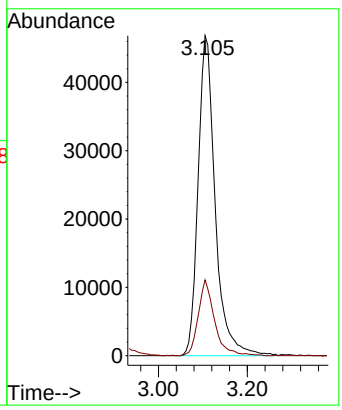




#19
Methyl tert-butyl Ether
Concen: 20.672 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 73 Resp: 12547

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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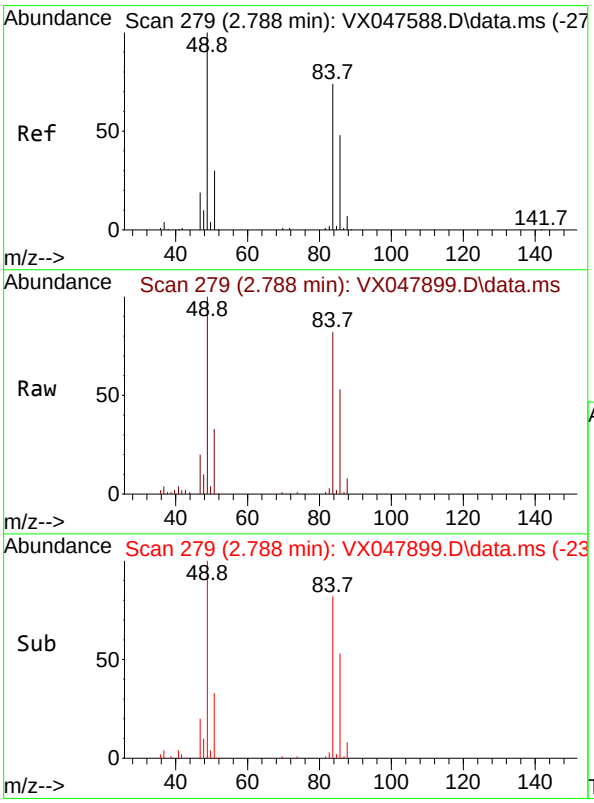
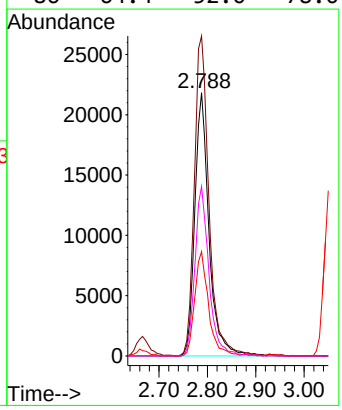
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

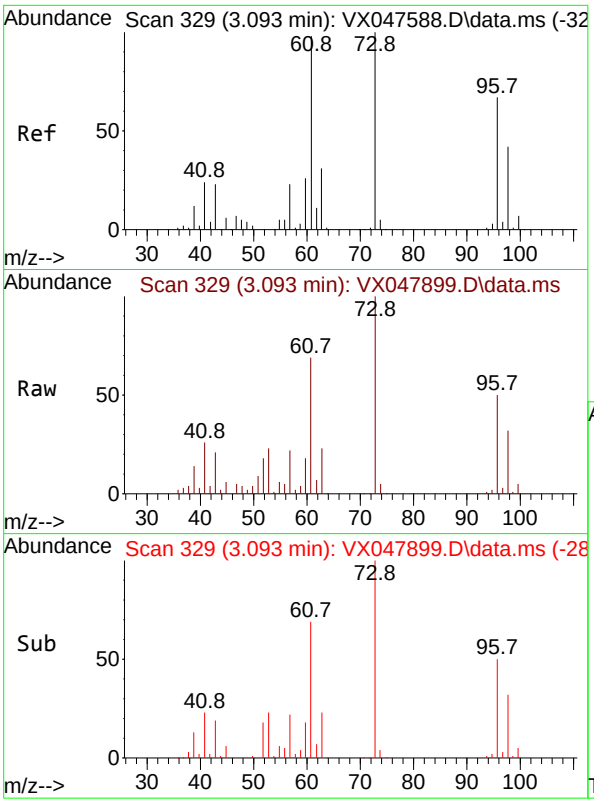


#20
Methylene Chloride
Concen: 21.638 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 84 Resp: 44362

Ion	Ratio	Lower	Upper
84	100		
49	121.5	108.6	162.8
51	39.6	32.6	48.8
86	64.4	52.0	78.0

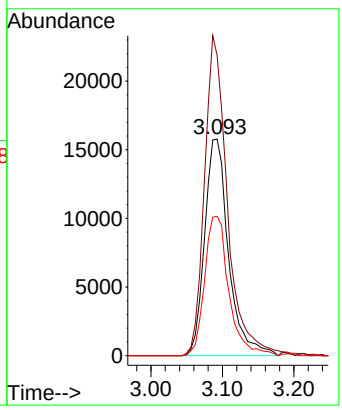




#21
trans-1,2-Dichloroethene
Concen: 20.491 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 3668

Ion	Ratio	Lower	Upper
96	100		
61	138.7	116.2	174.2
98	66.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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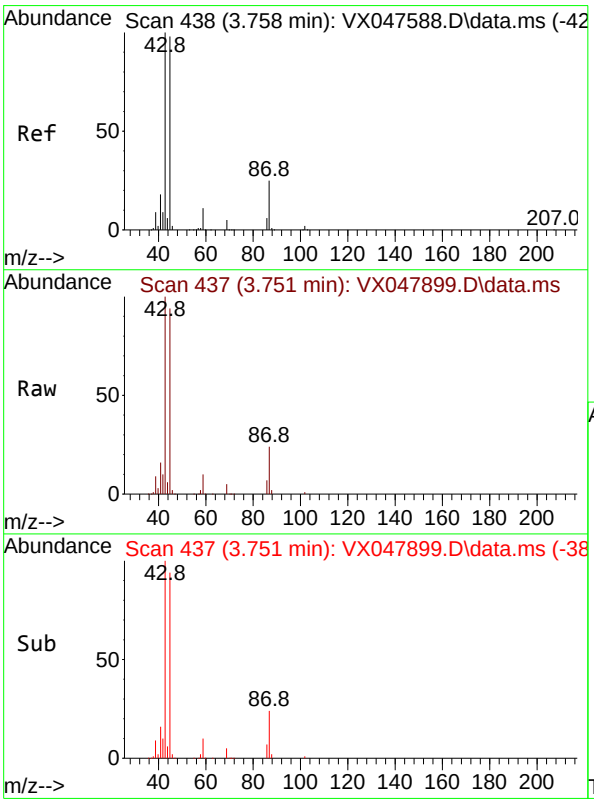
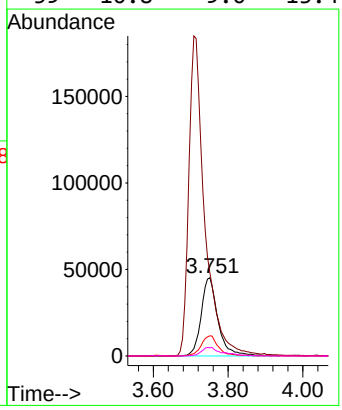
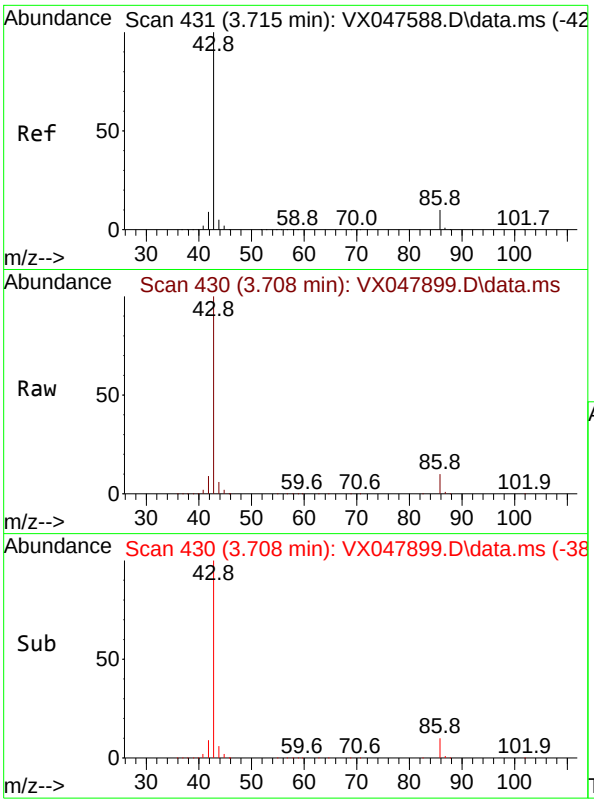


#22
Diisopropyl ether
Concen: 21.254 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 45 Resp: 141324

Ion	Ratio	Lower	Upper
45	100		
43	104.9	81.0	121.4
87	25.8	20.3	30.5
59	10.8	9.0	13.4

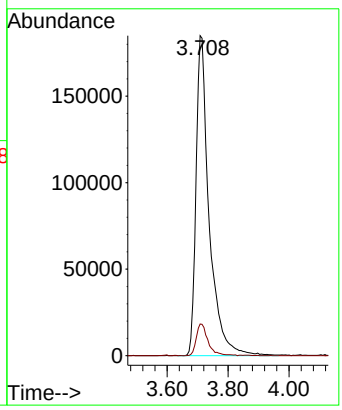




#23
Vinyl Acetate
Concen: 103.827 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 55255

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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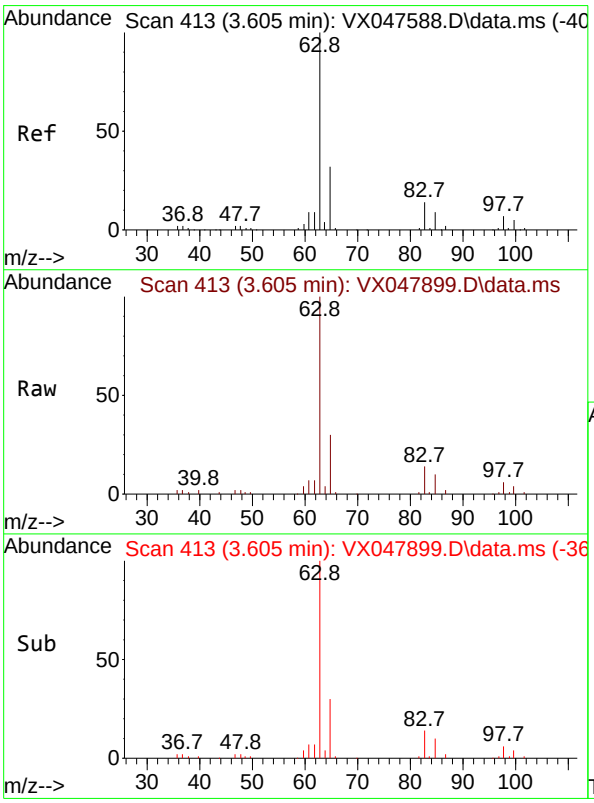
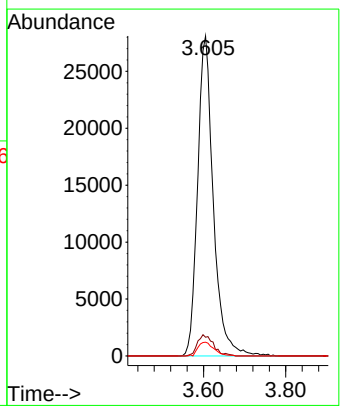
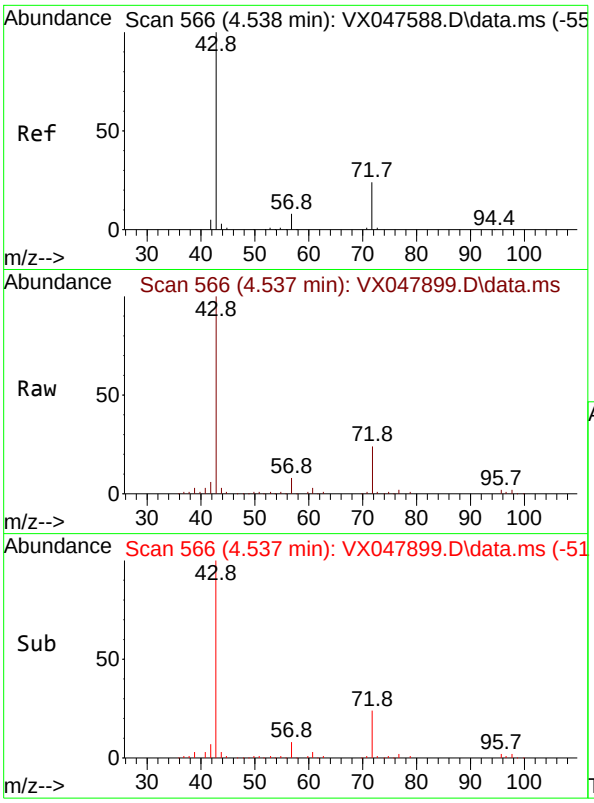


#24
1,1-Dichloroethane
Concen: 21.120 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 74644

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.2
100	4.3	2.3	6.9





#25
2-Butanone
Concen: 110.173 ug/l
RT: 4.537 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 13310

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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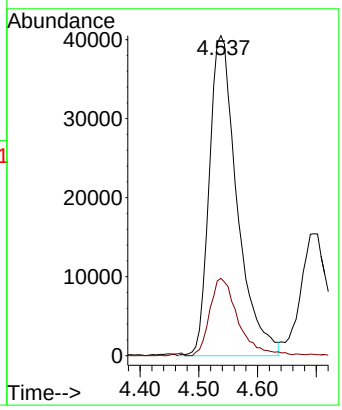
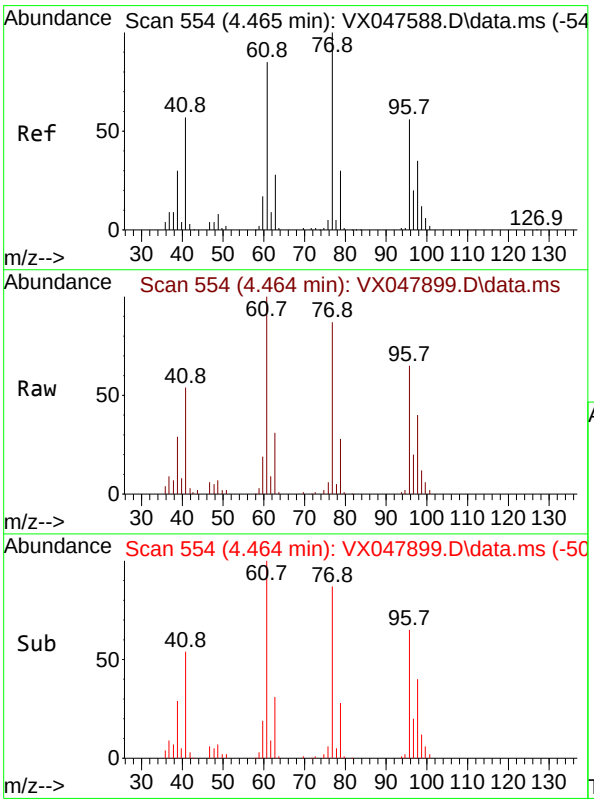
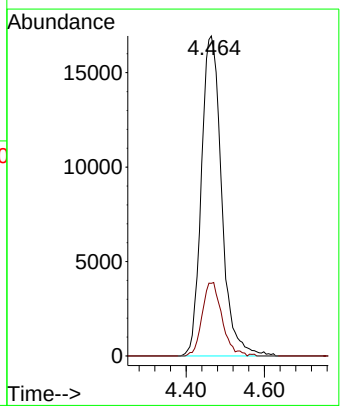


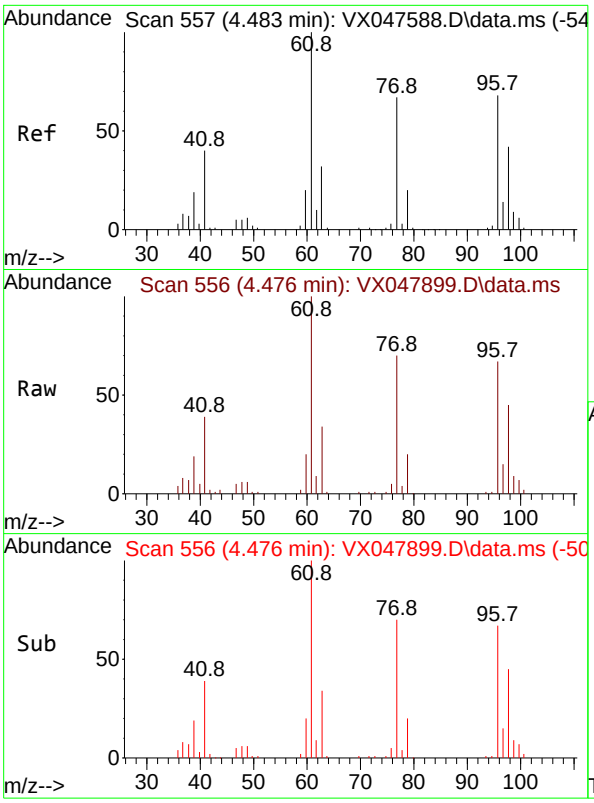


#26
2,2-Dichloropropane
Concen: 20.697 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 77 Resp: 60806

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

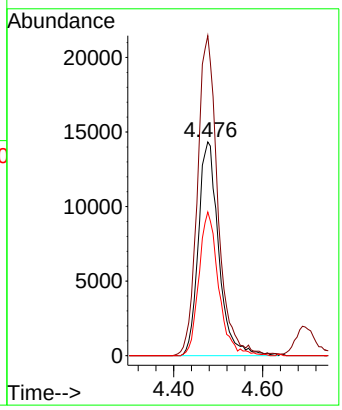




#27
cis-1,2-Dichloroethene
Concen: 20.810 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 4562

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	303.2
98	65.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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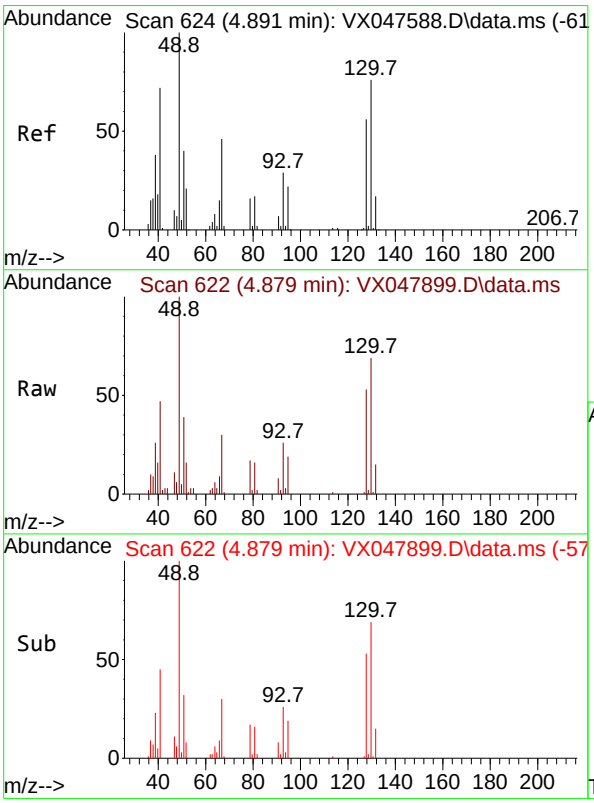
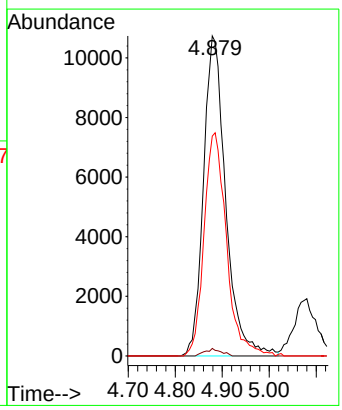
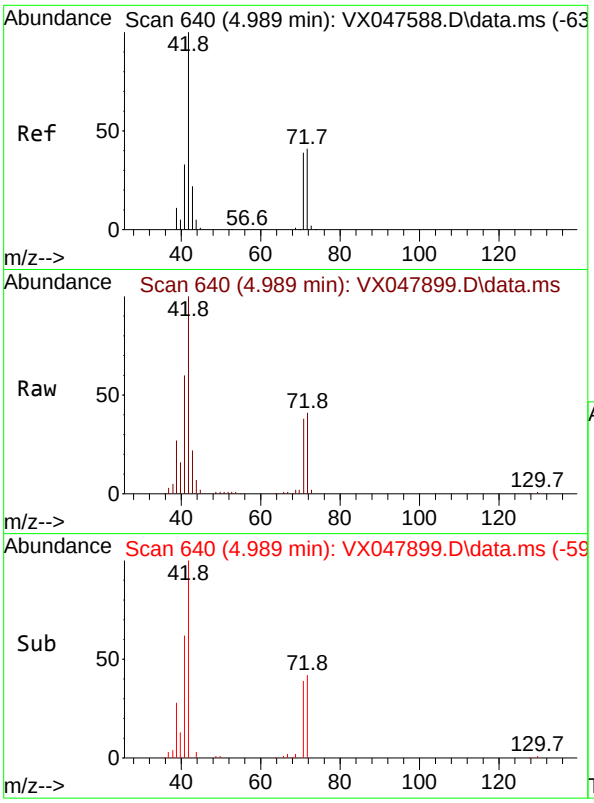


#28
Bromochloromethane
Concen: 22.845 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 49 Resp: 35248

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	70.4	57.8	86.8

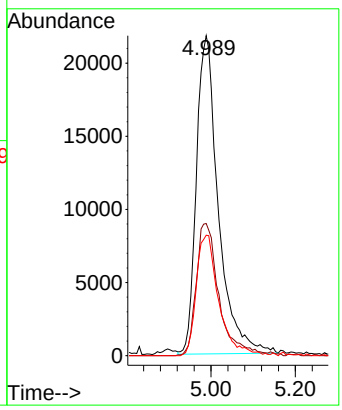




#29
Tetrahydrofuran
Concen: 108.416 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 42 Resp: 7879

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	38.8	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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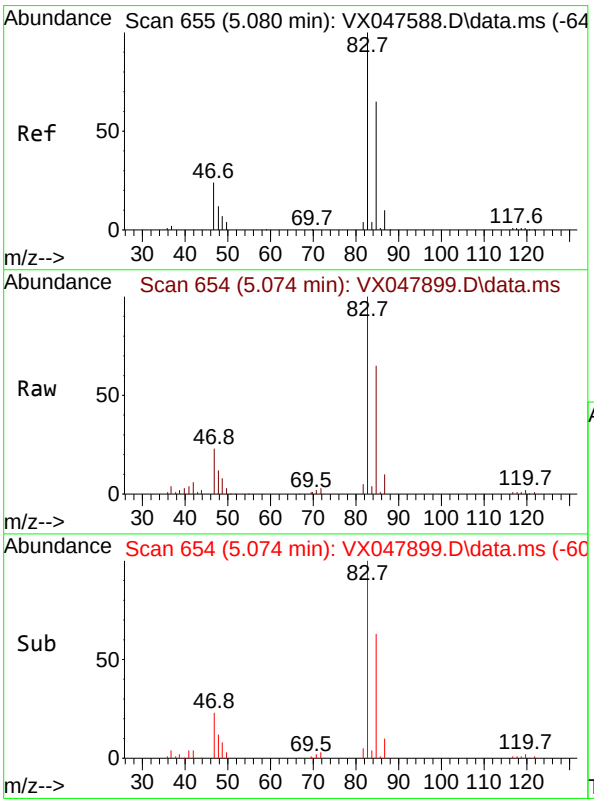
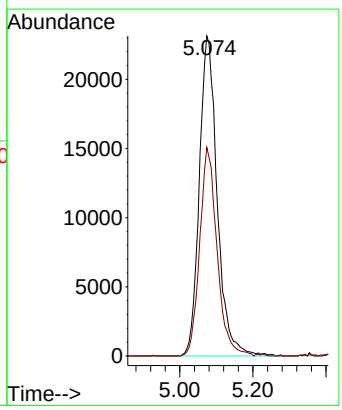
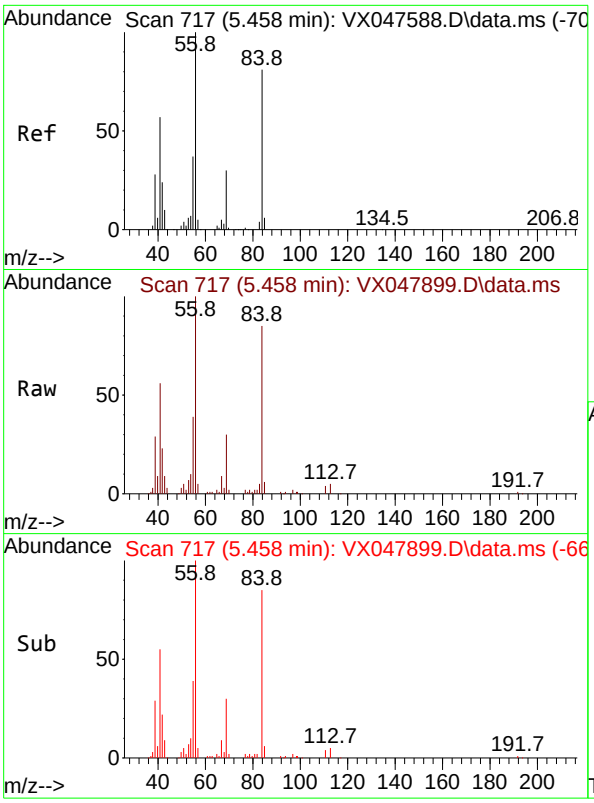


#30
Chloroform
Concen: 21.995 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 78555

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6





#31
Cyclohexane
Concen: 19.026 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 56 Resp: 5600

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	85.4	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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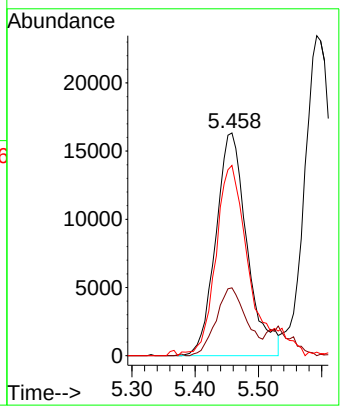
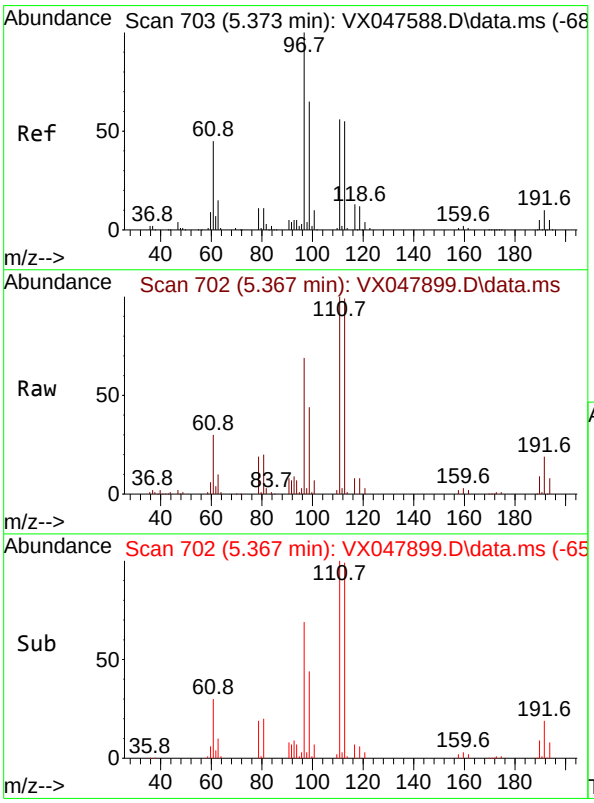
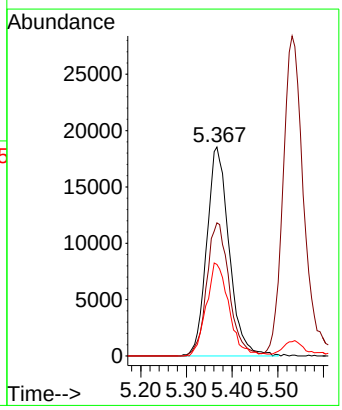


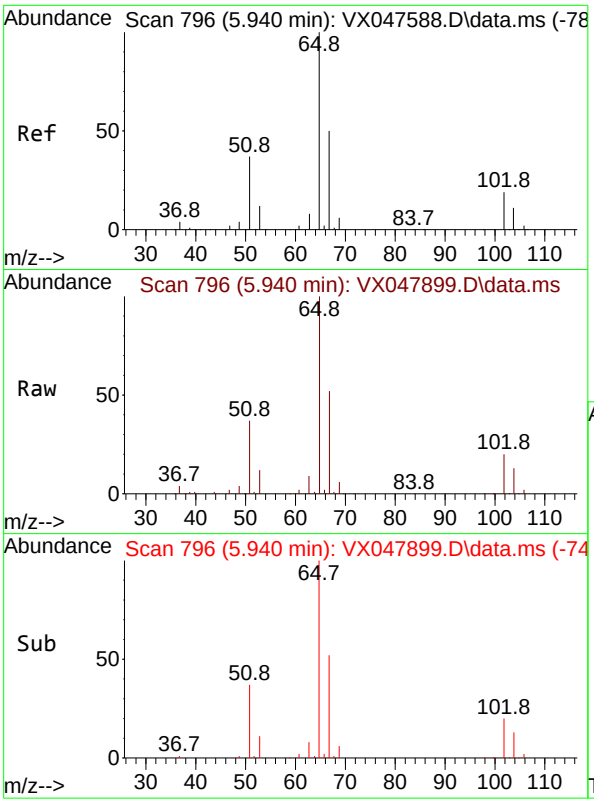


#32
1,1,1-Trichloroethane
Concen: 20.814 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 97 Resp: 63051

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 50.035 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 65 Resp: 11145

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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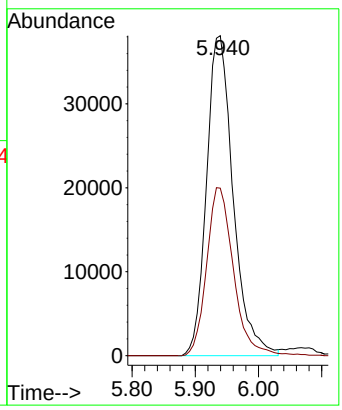
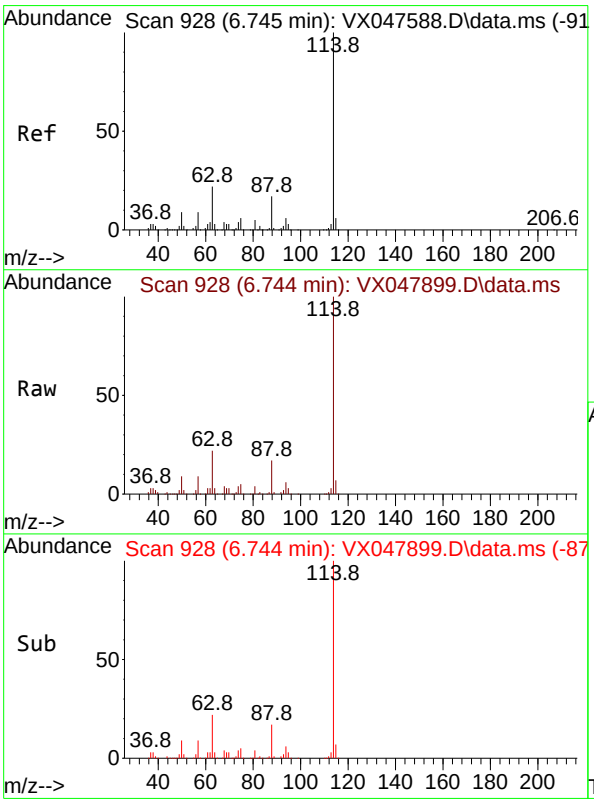
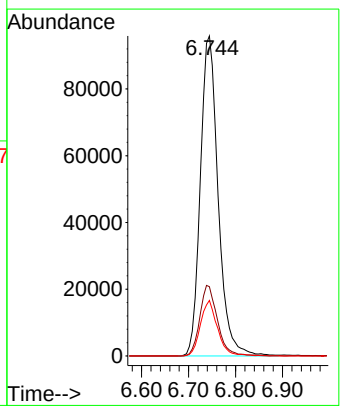


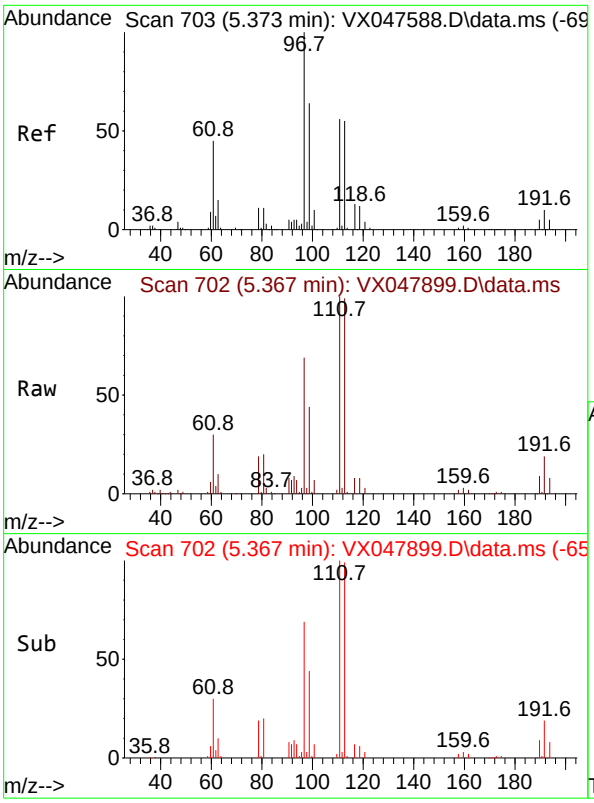


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:114 Resp: 252162

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	17.3	0.0	34.2

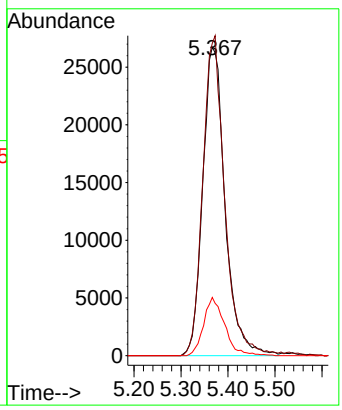




#35
Dibromofluoromethane
Concen: 52.144 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:113 Resp: 8818

Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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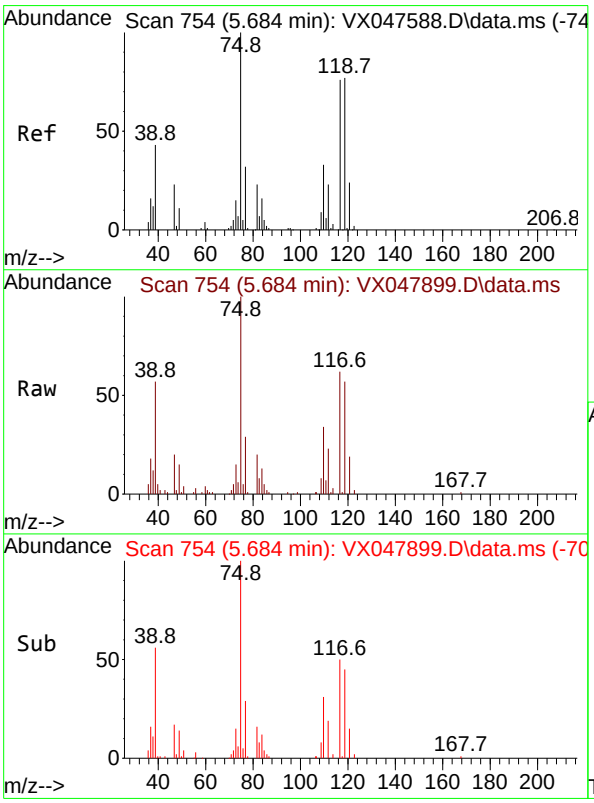
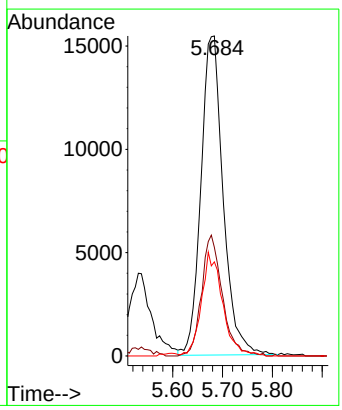
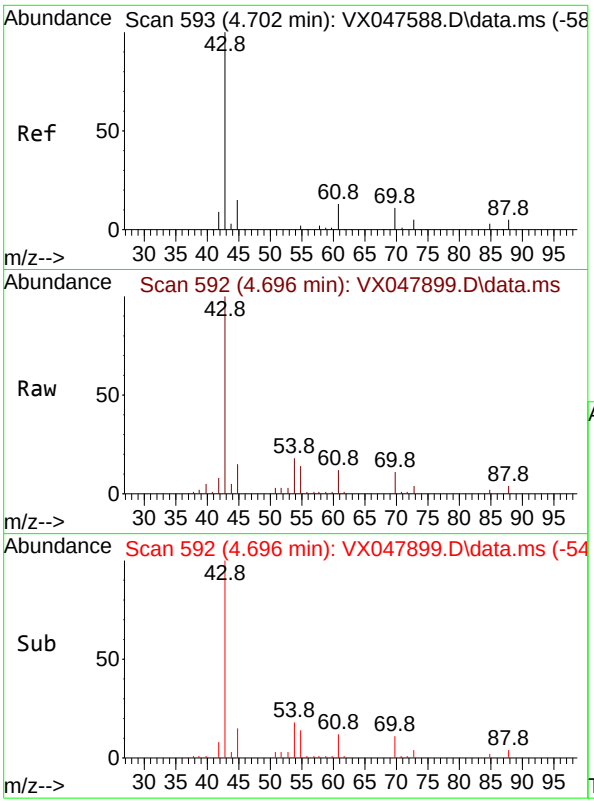


#36
1,1-Dichloropropene
Concen: 19.374 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 47877

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.1
77	30.8	24.3	36.5

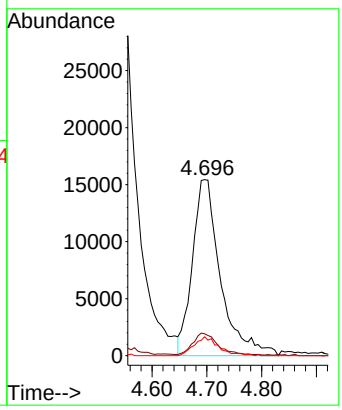




#37
Ethyl Acetate
Concen: 20.797 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 5502

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	9.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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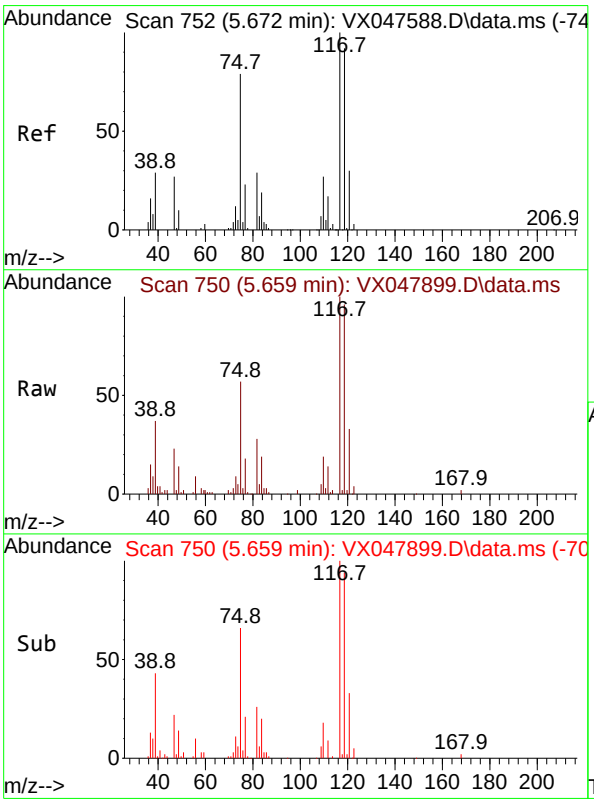
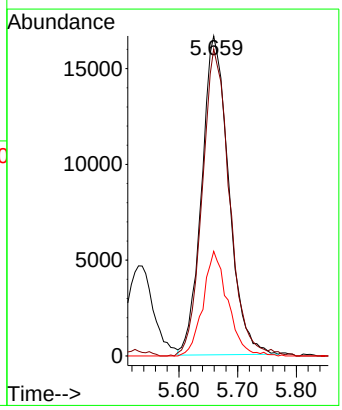
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

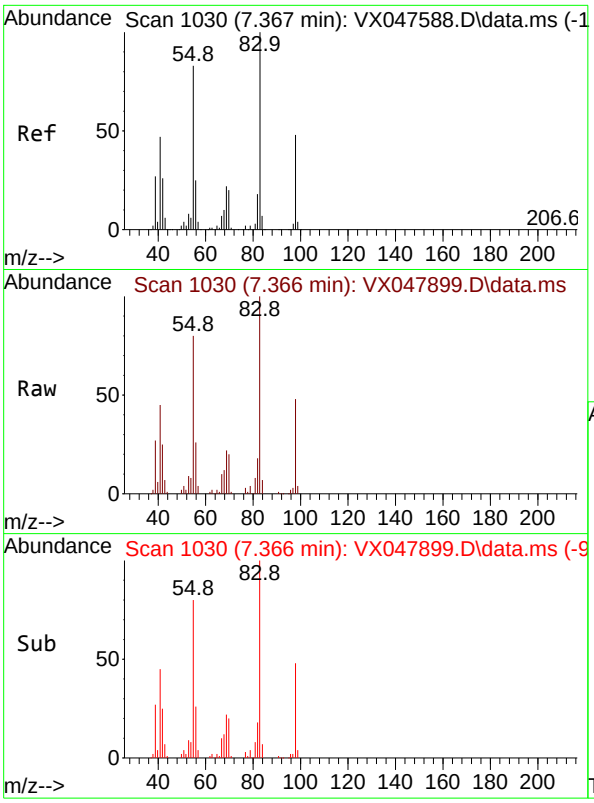


#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 53161

Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.4	110.2
121	32.9	23.8	35.6





#39
Methylcyclohexane
Concen: 18.466 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 5179

Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.4	99.6
98	48.4	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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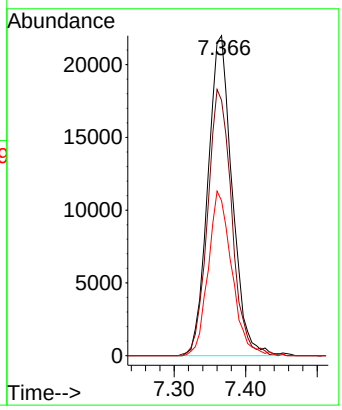
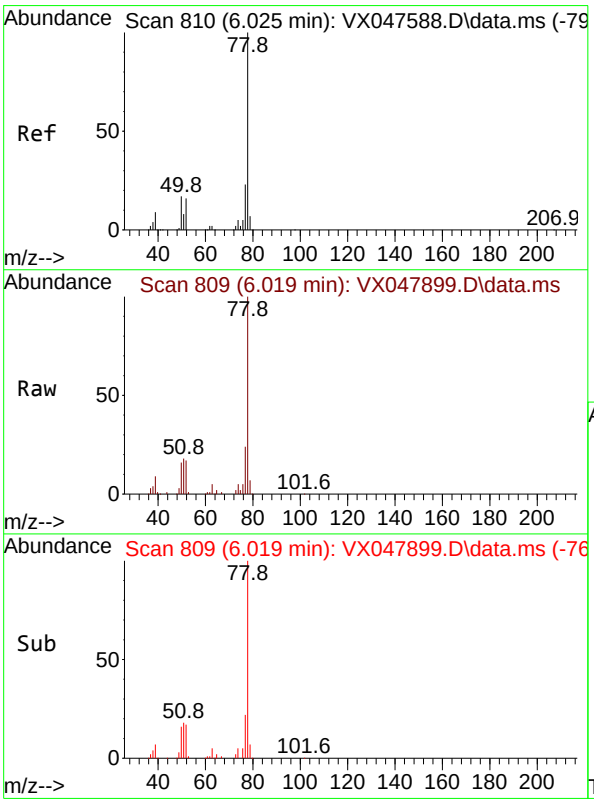
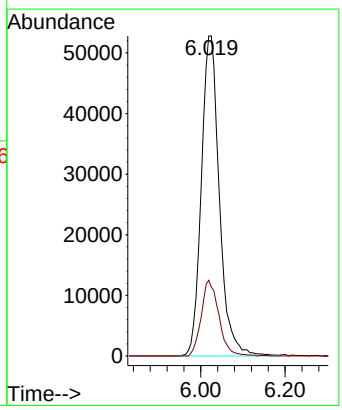


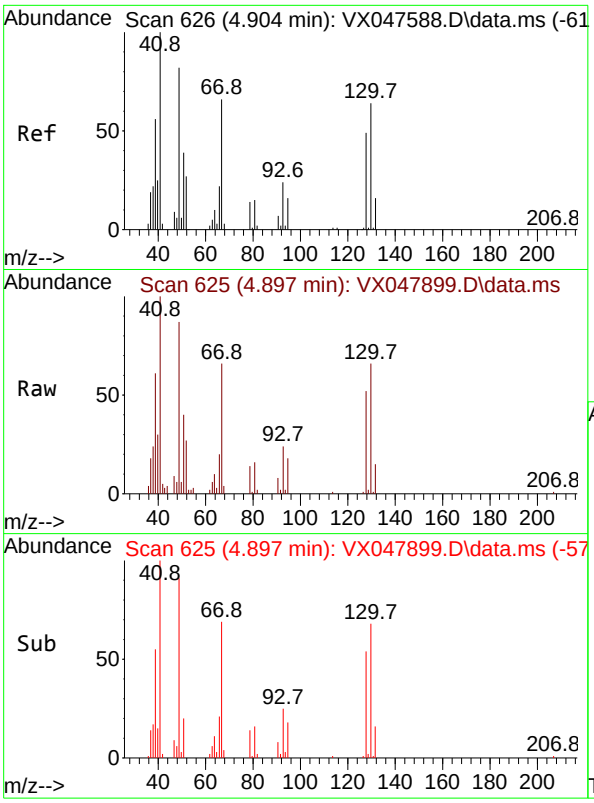


#40
Benzene
Concen: 20.917 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 78 Resp: 156993

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

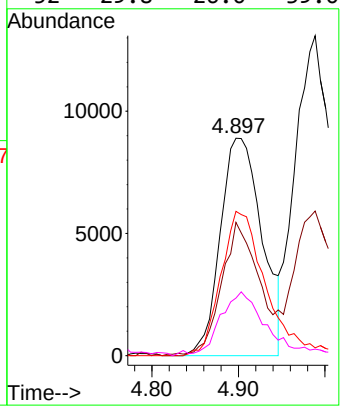




#41
Methacrylonitrile
Concen: 21.873 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 2987

Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	72.3	58.6	87.8
52	29.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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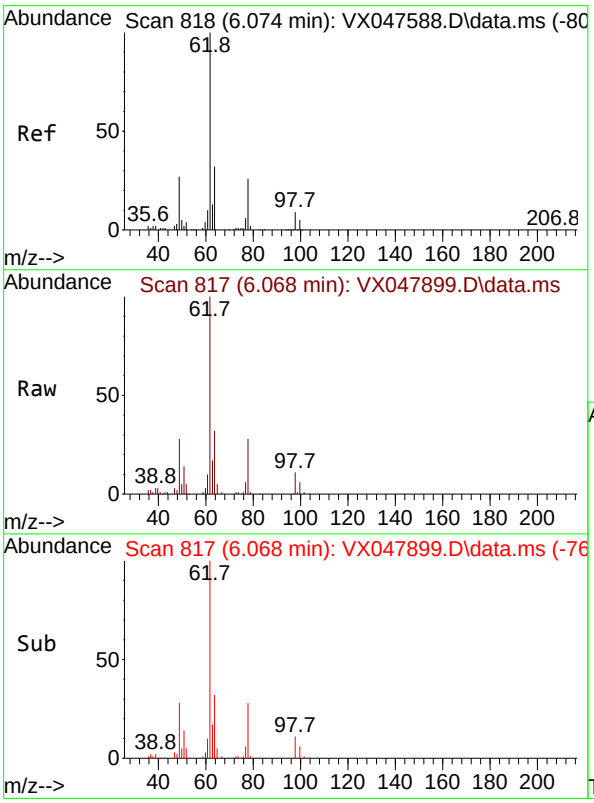
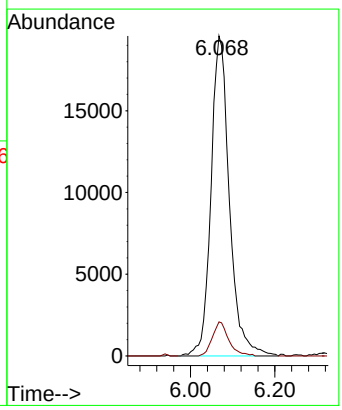
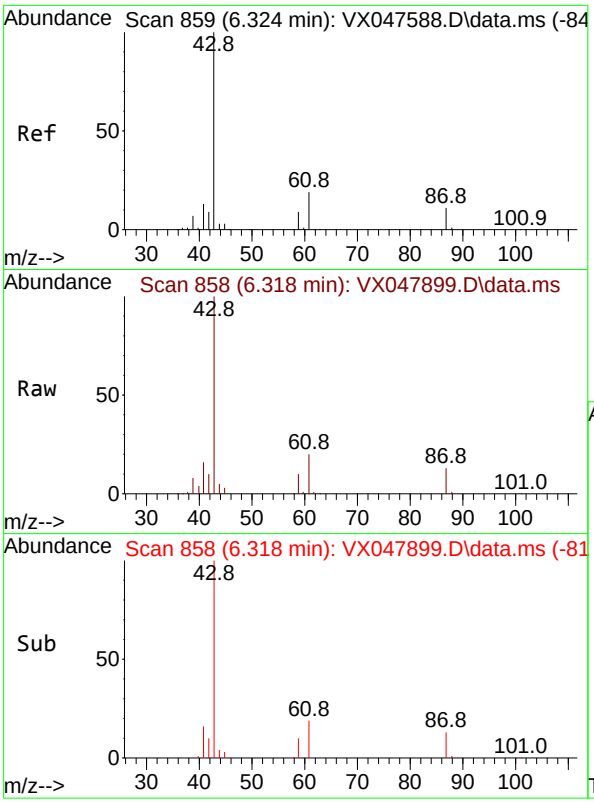


#42
1,2-Dichloroethane
Concen: 20.756 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 59274

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.0





#43
Isopropyl Acetate
Concen: 20.358 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 8834

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.6	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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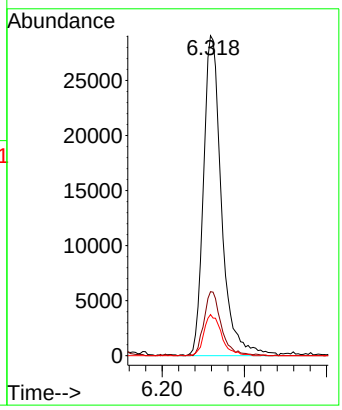
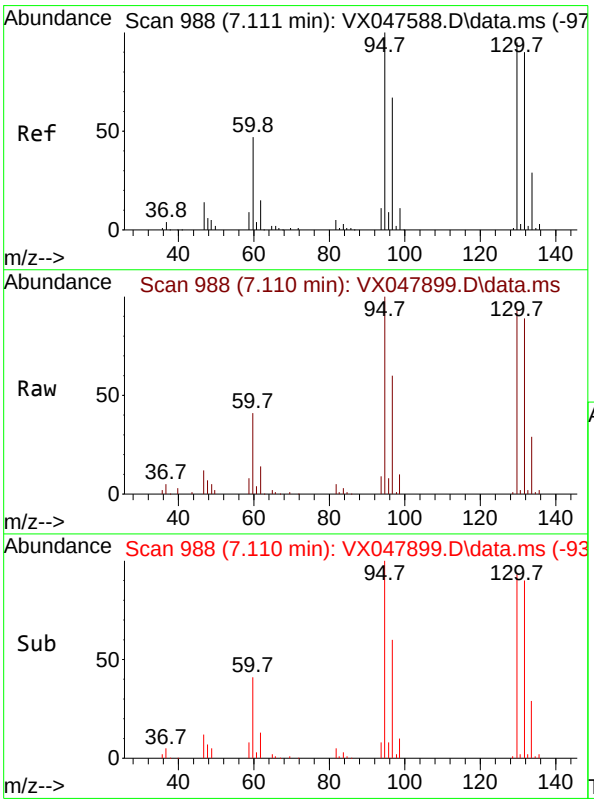
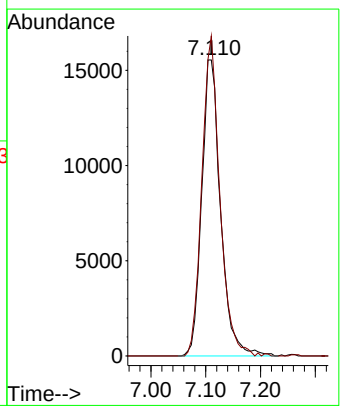


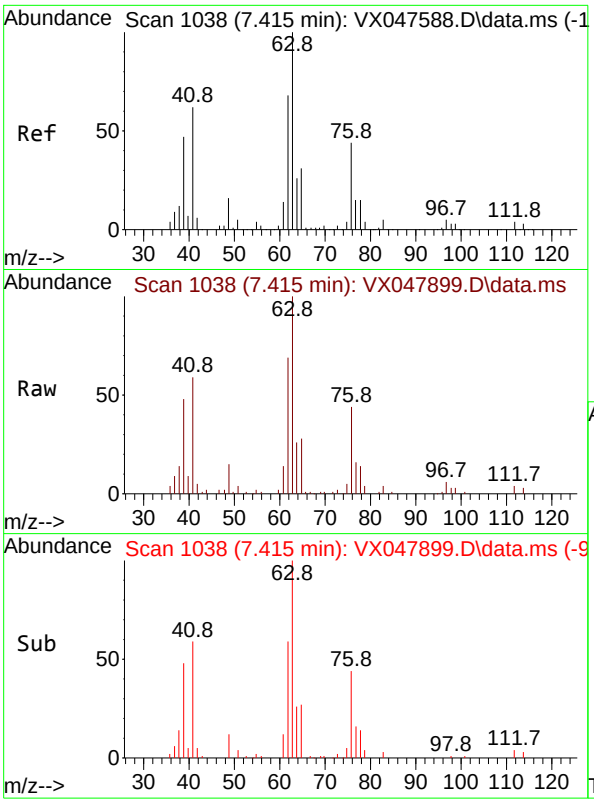


#44
Trichloroethene
Concen: 20.459 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:130 Resp: 37124

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 21.336 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 4100

Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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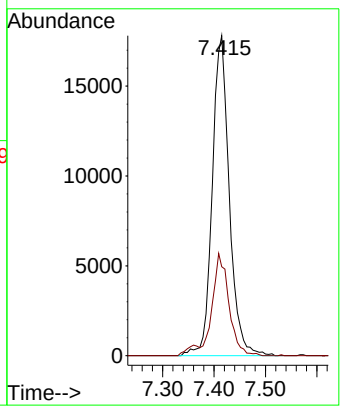
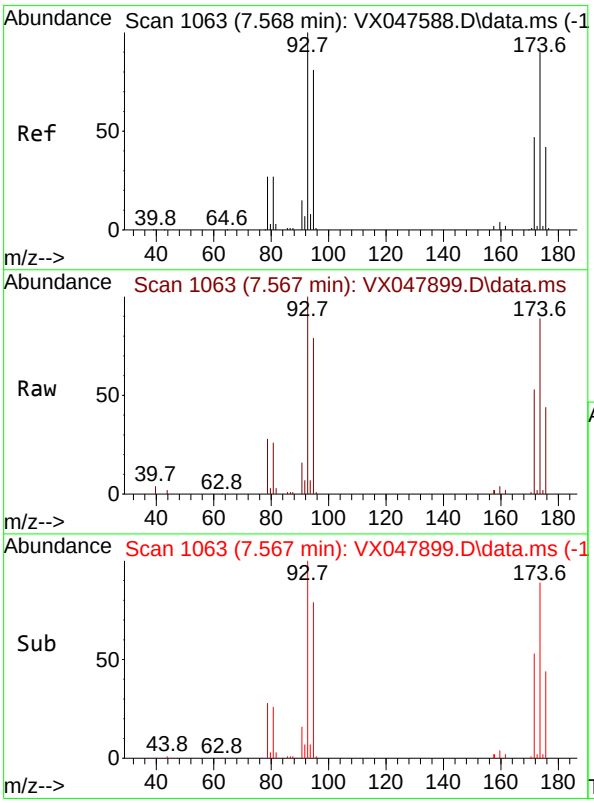
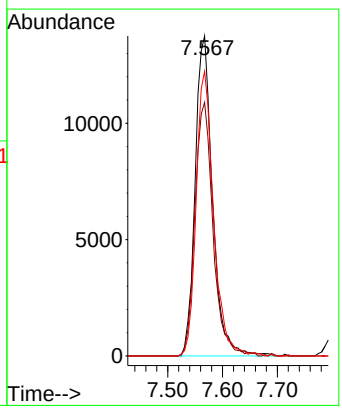


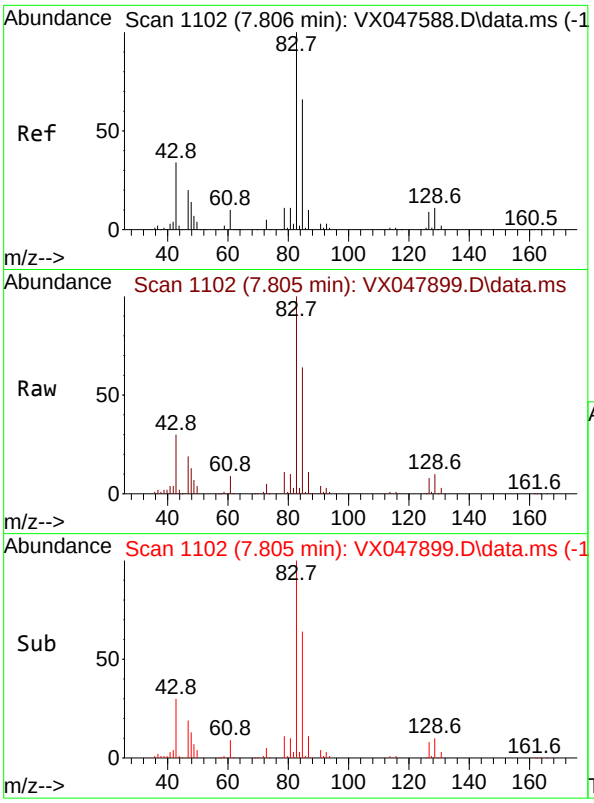


#46
Dibromomethane
Concen: 21.661 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 93 Resp: 30294

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	89.2	71.6	107.4

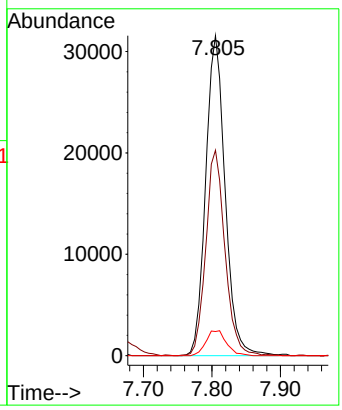




#47
Bromodichloromethane
Concen: 21.510 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 6207

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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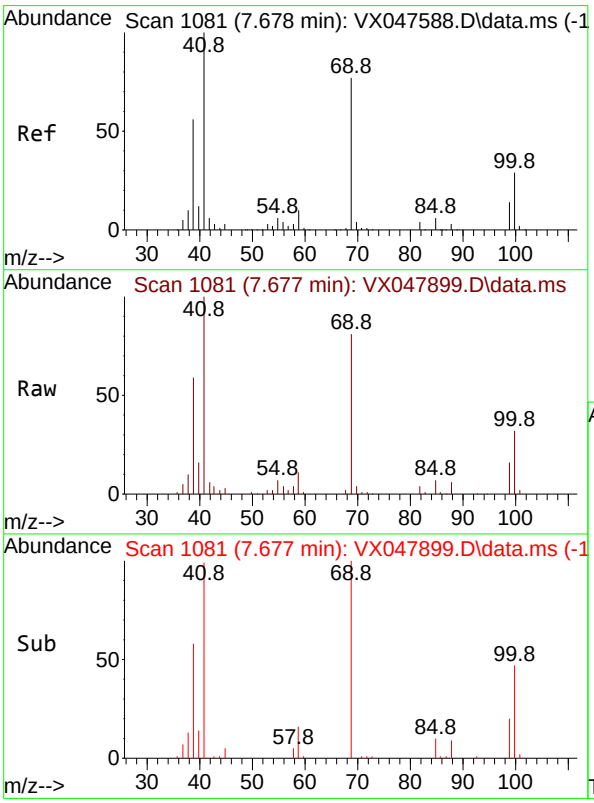
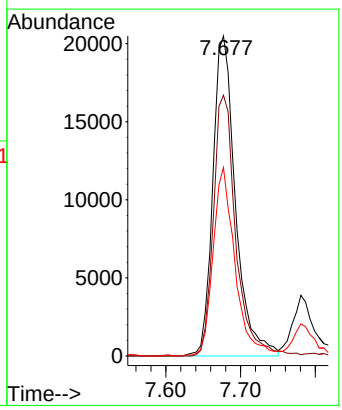
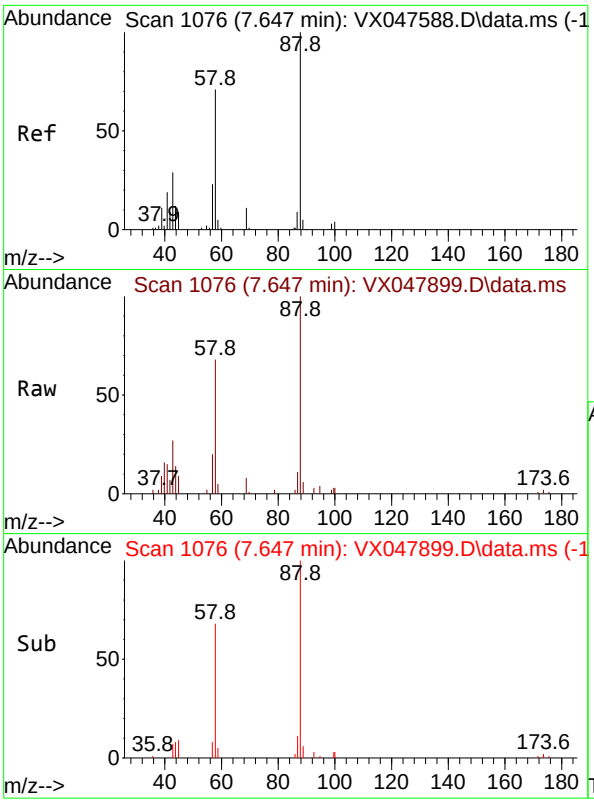


#48
Methyl methacrylate
Concen: 19.998 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 43226

Ion	Ratio	Lower	Upper
41	100		
69	80.6	61.4	92.2
39	56.9	45.8	68.6





#49
1,4-Dioxane
Concen: 471.195 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 88 Resp: 1029

Ion	Ratio	Lower	Upper
88	100		
43	41.0	30.2	45.2
58	73.3	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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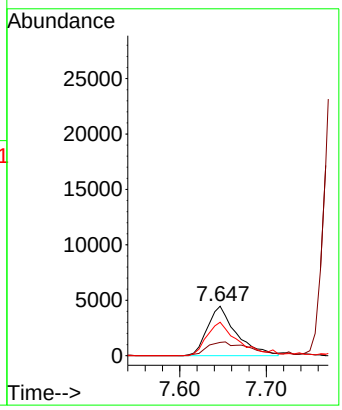
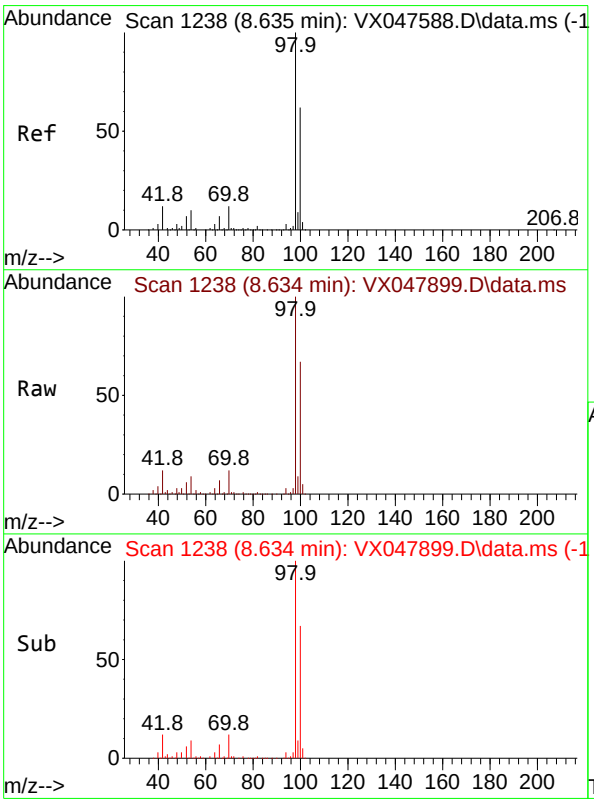
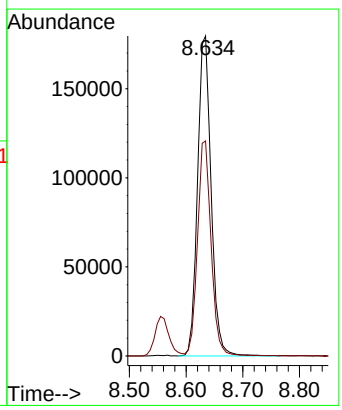


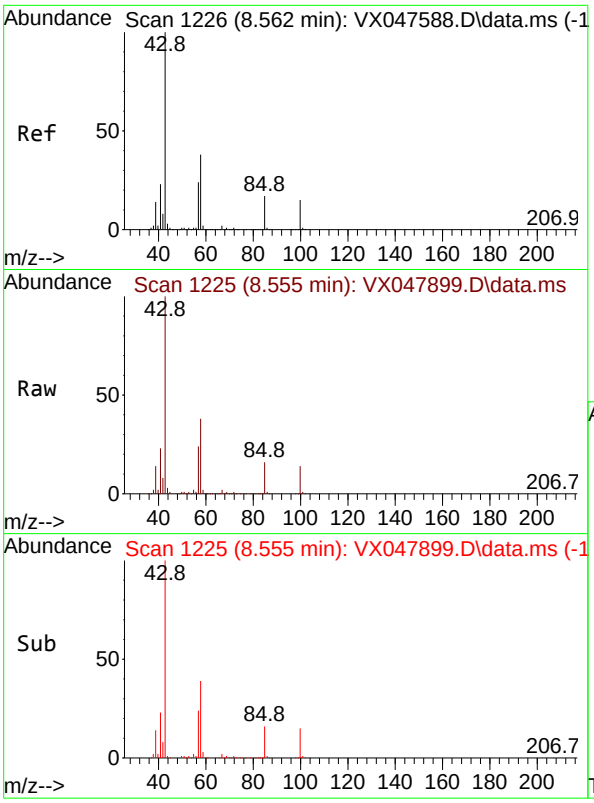


#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 98 Resp: 298245

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

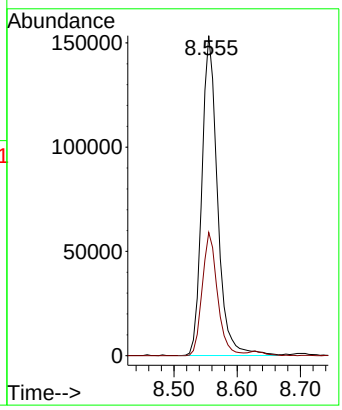




#51
4-Methyl-2-Pentanone
Concen: 109.932 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 26449

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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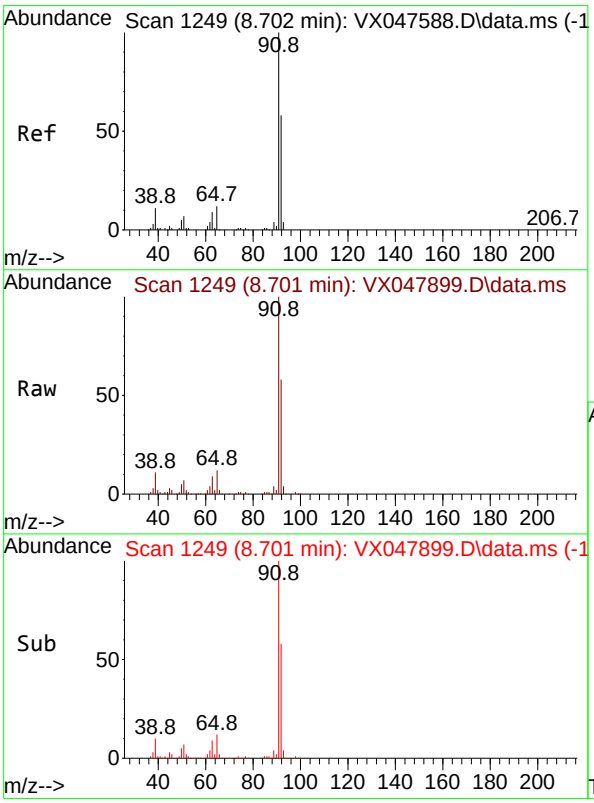
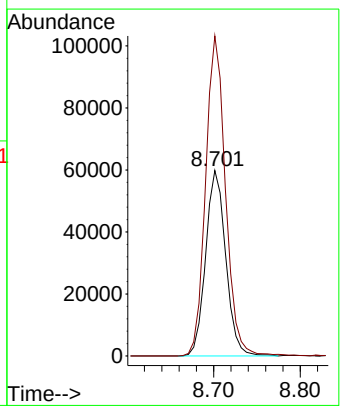
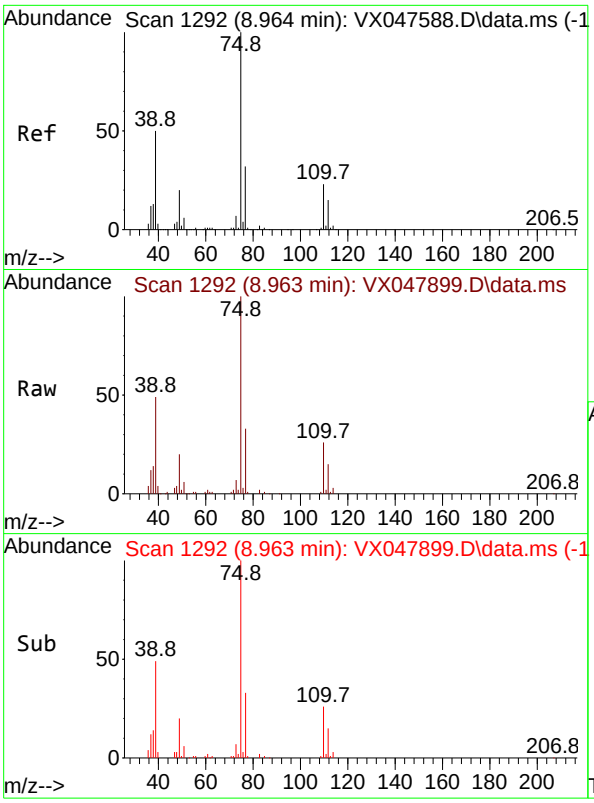


#52
Toluene
Concen: 20.855 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 92 Resp: 96436

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7

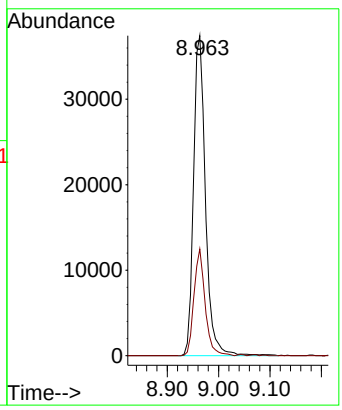




#53
t-1,3-Dichloropropene
Concen: 20.559 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 6052

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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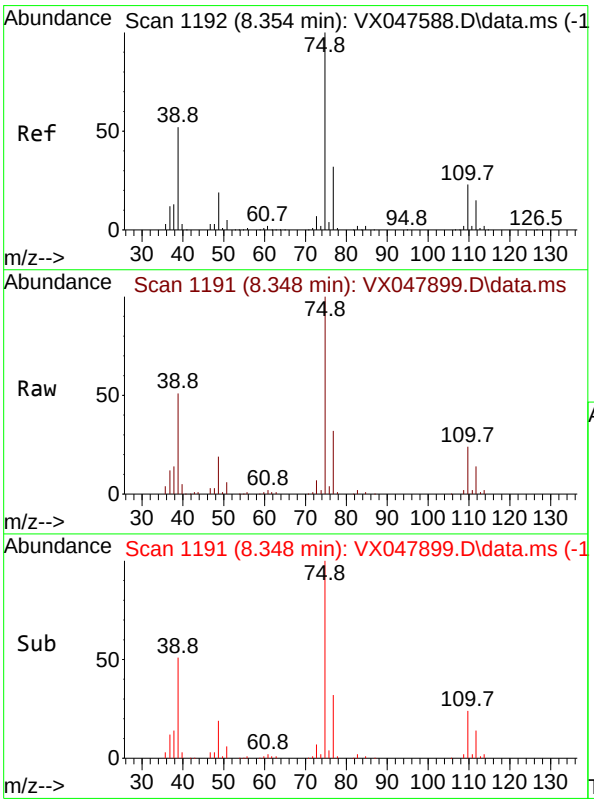
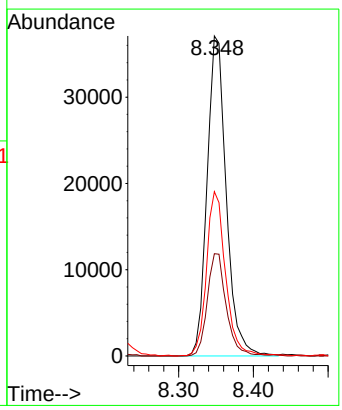
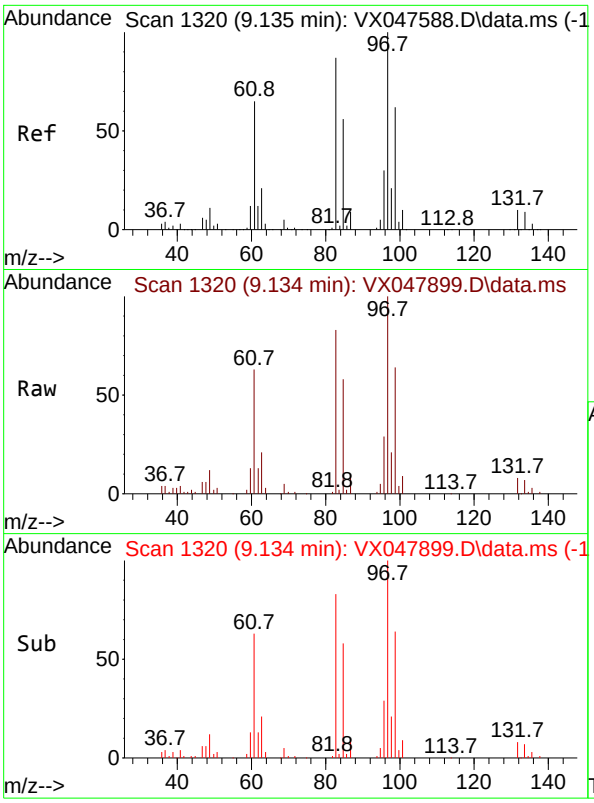


#54
cis-1,3-Dichloropropene
Concen: 20.996 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 66061

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	51.3	41.4	62.2

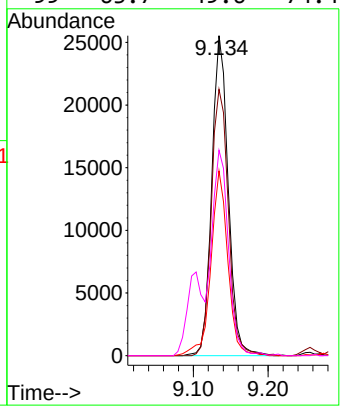




#55
1,1,2-Trichloroethane
Concen: 21.896 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 97 Resp: 3904

Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.6	104.4
85	59.5	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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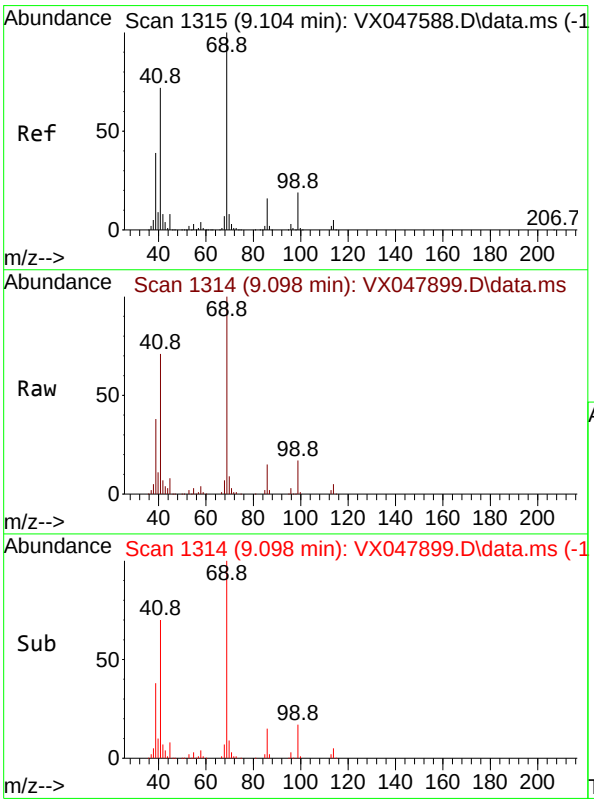
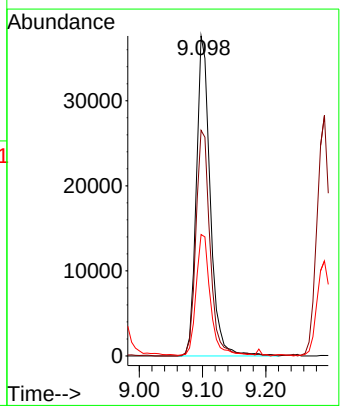
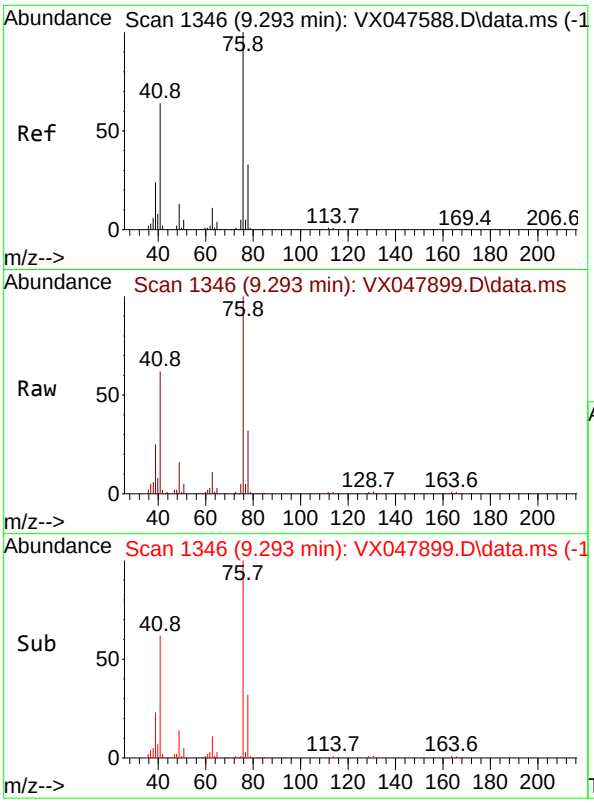


#56
Ethyl methacrylate
Concen: 20.558 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 69 Resp: 57568

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	39.1	31.5	47.3





#57
1,3-Dichloropropane
Concen: 21.973 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 76 Resp: 6730

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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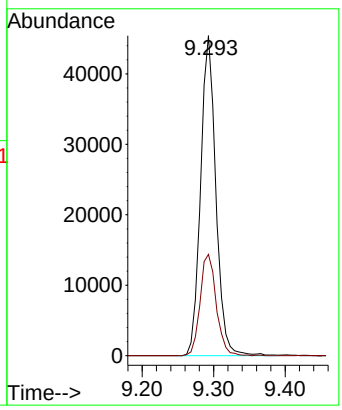
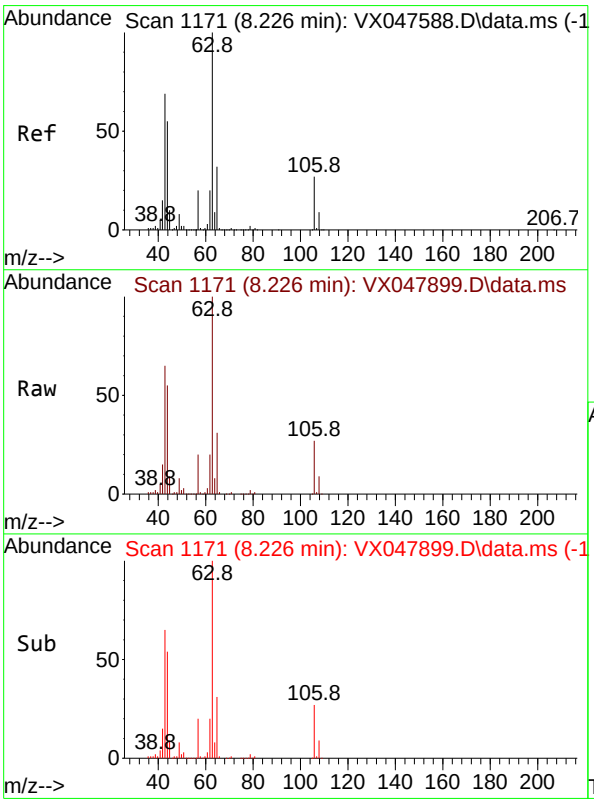
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

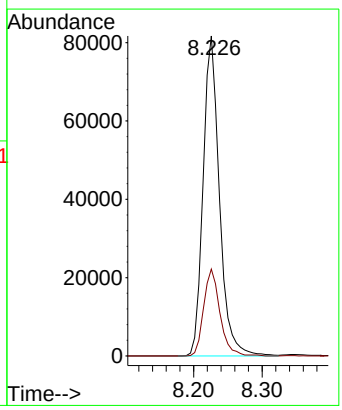


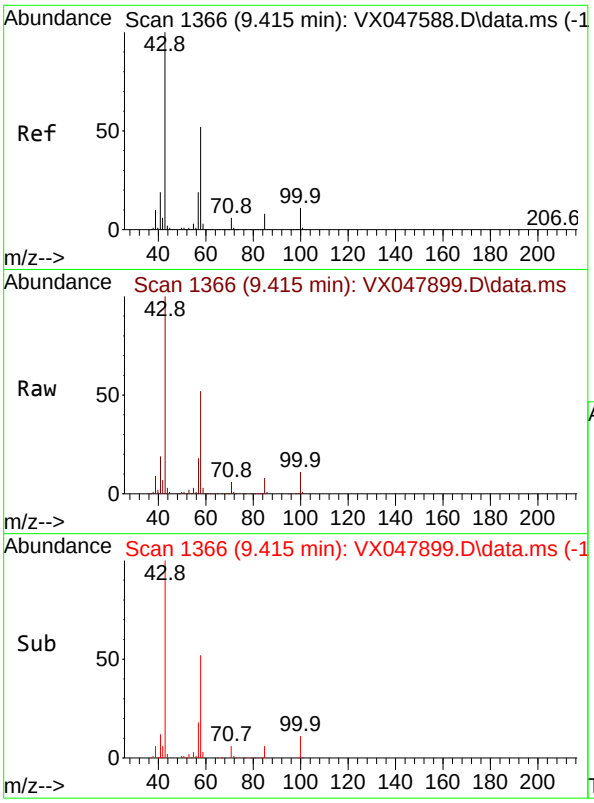


#58
2-Chloroethyl Vinyl ether
Concen: 108.246 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 135613

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.9	32.9





#59
2-Hexanone
Concen: 109.286 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 18884

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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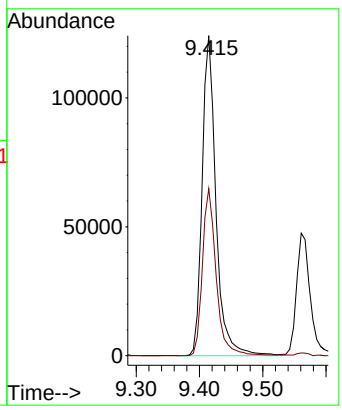
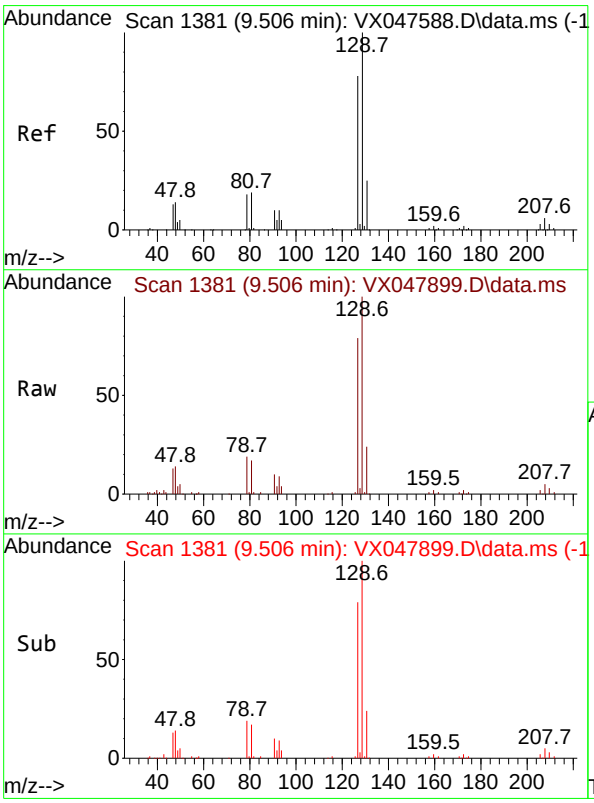
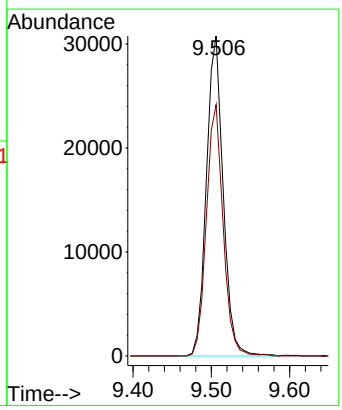


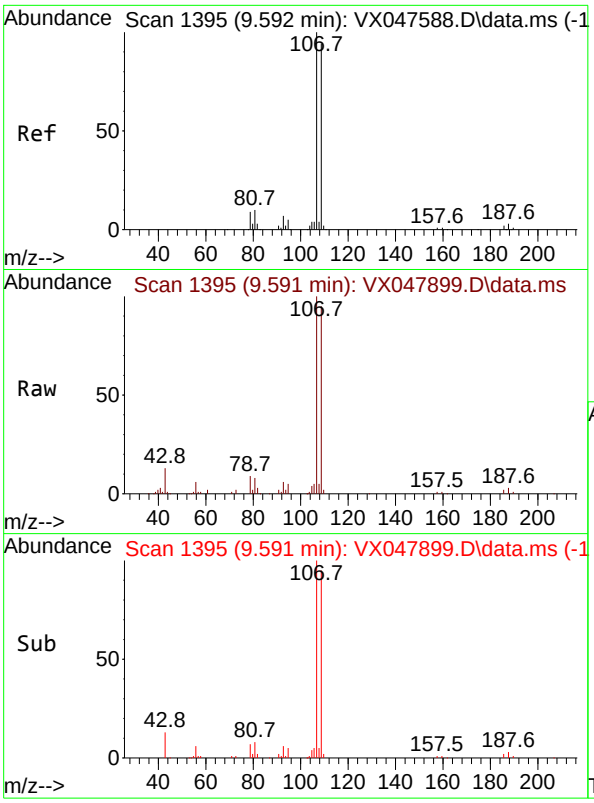


#60
Dibromochloromethane
Concen: 22.171 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:129 Resp: 45550

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2





#61
1,2-Dibromoethane
Concen: 22.828 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:107 Resp: 4145

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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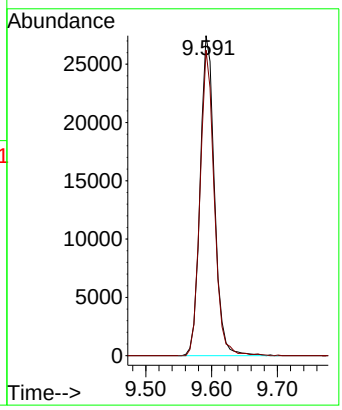
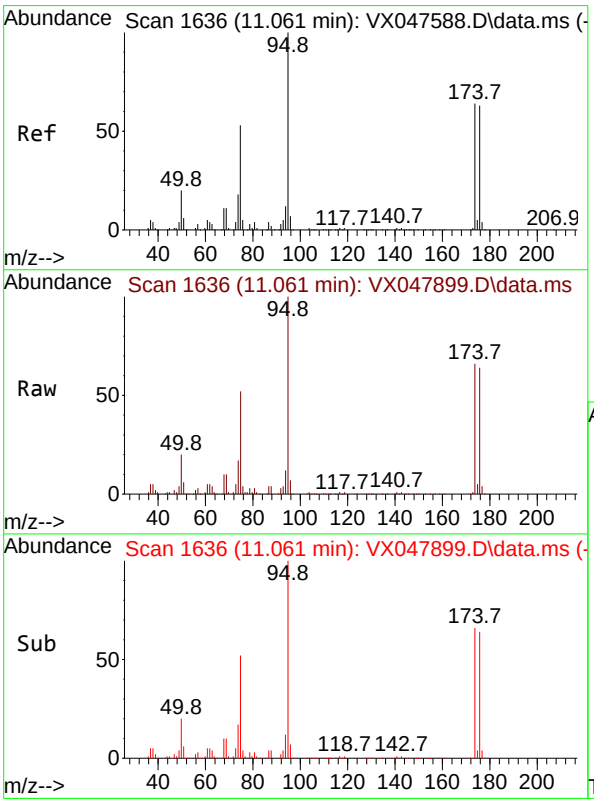
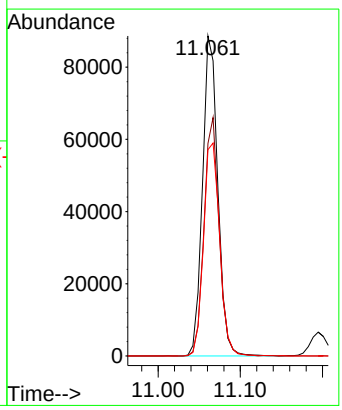


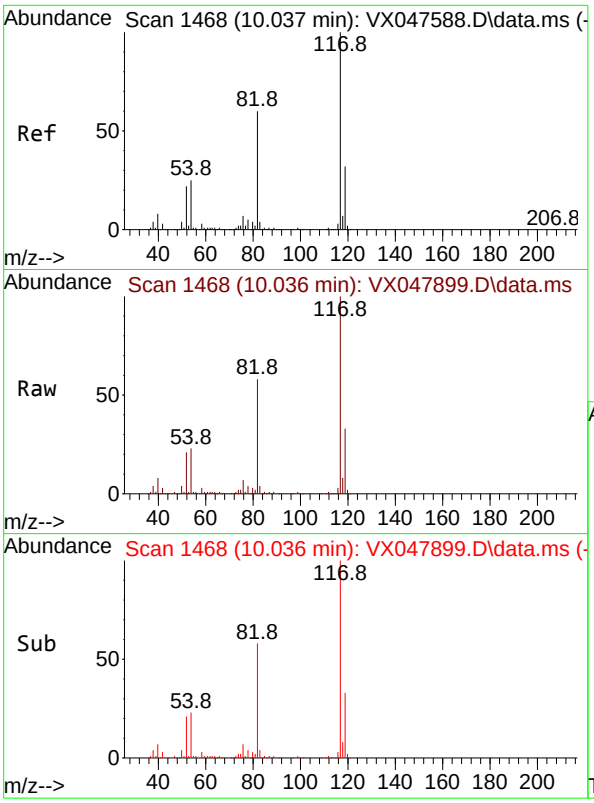


#62
4-Bromofluorobenzene
Concen: 51.645 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 95 Resp: 114694

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	141.6
176	70.5	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 23170

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.5	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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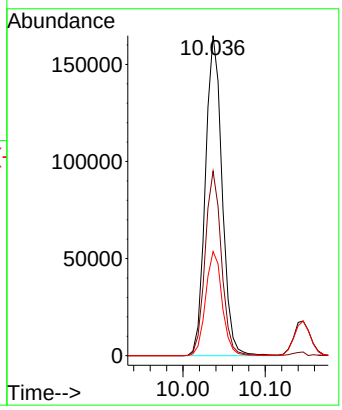
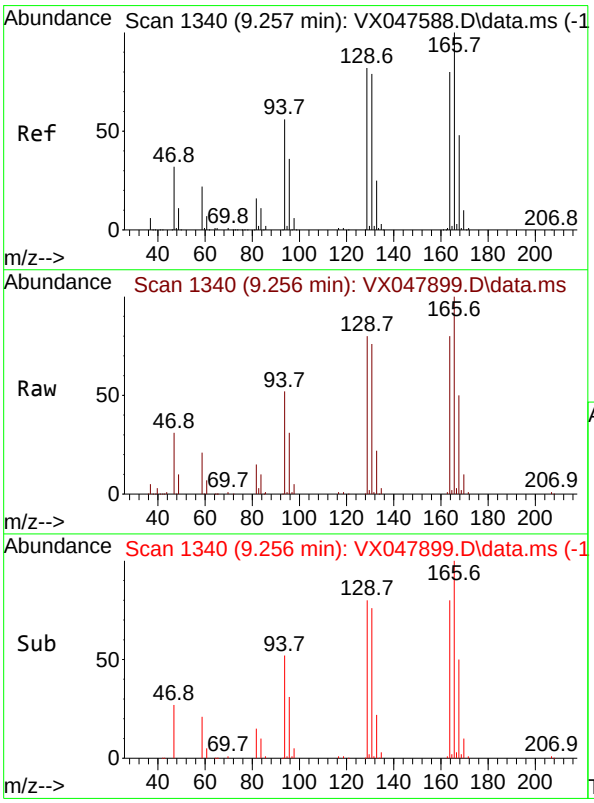
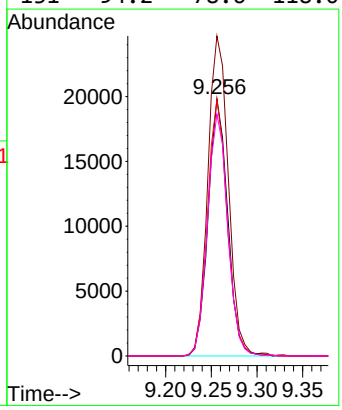


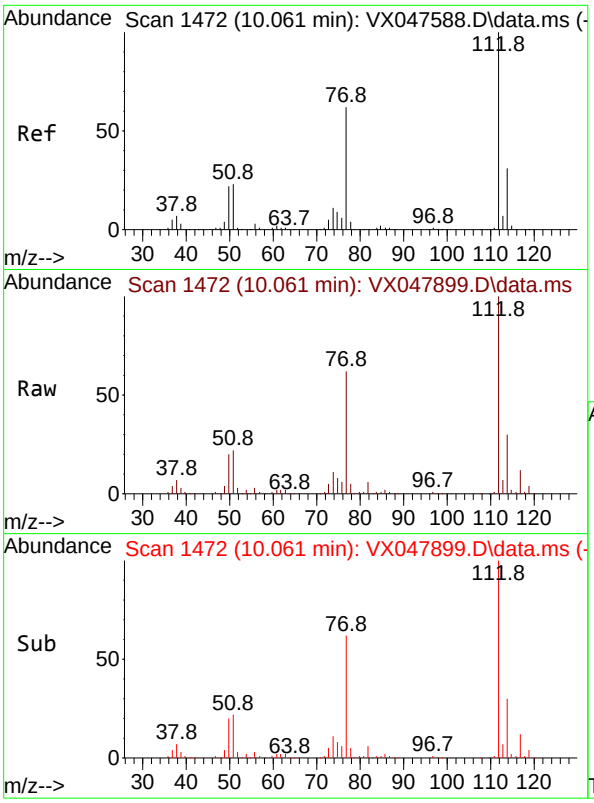


#64
Tetrachloroethene
Concen: 19.566 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:164 Resp: 29553

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.2	150.2
129	99.8	81.8	122.6
131	94.2	78.6	118.0

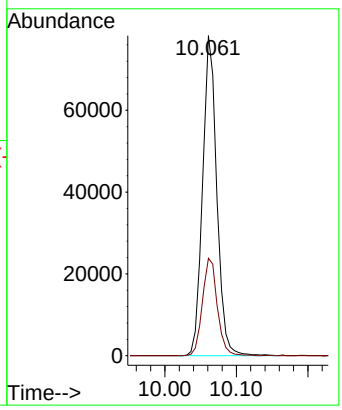




#65
Chlorobenzene
Concen: 20.495 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:112 Resp: 10787

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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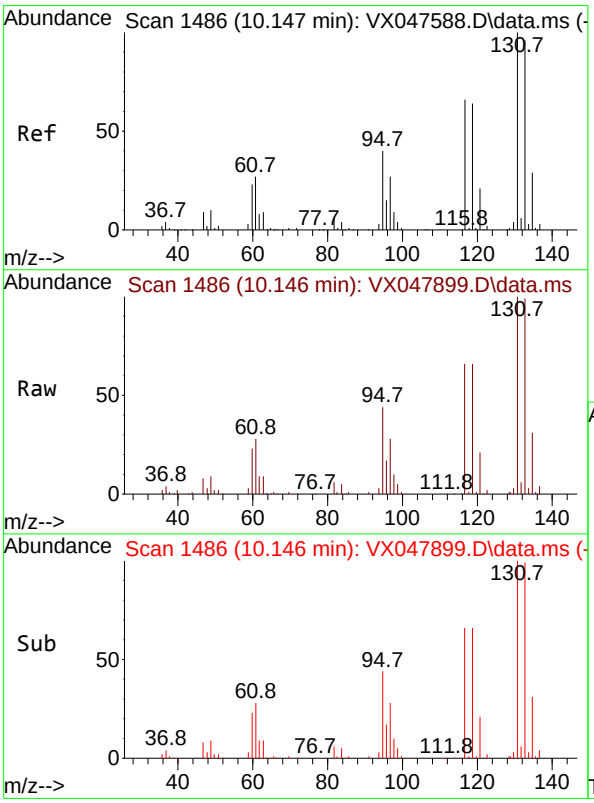
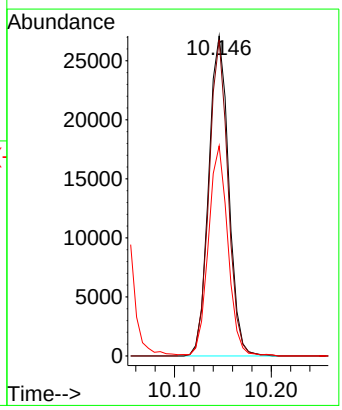
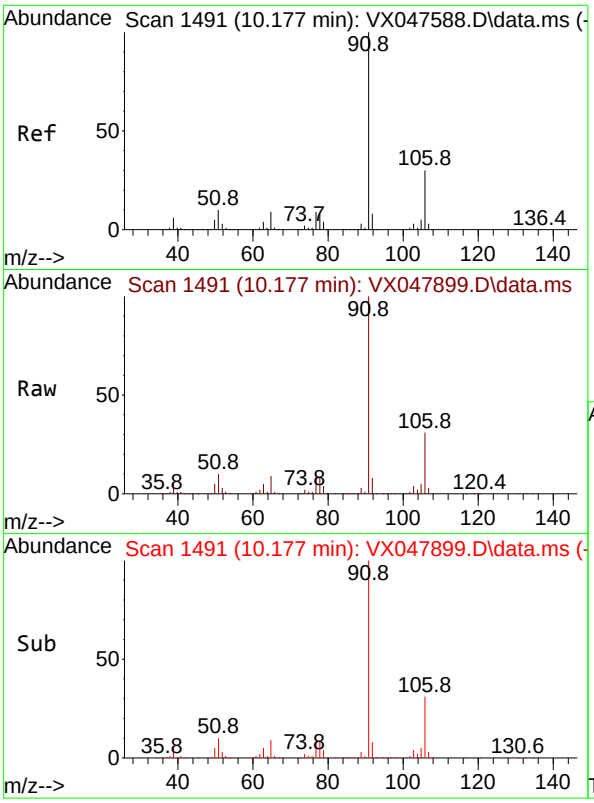


#66
1,1,1,2-Tetrachloroethane
Concen: 21.408 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:131 Resp: 38886

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	142.0
119	64.3	32.0	96.0





#67
Ethyl Benzene
Concen: 19.761 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 17947

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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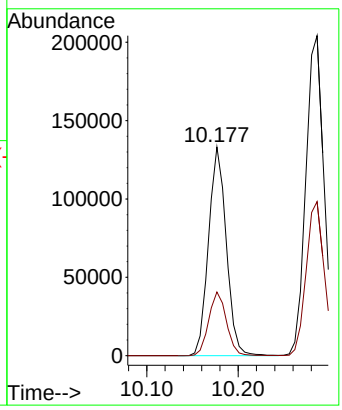
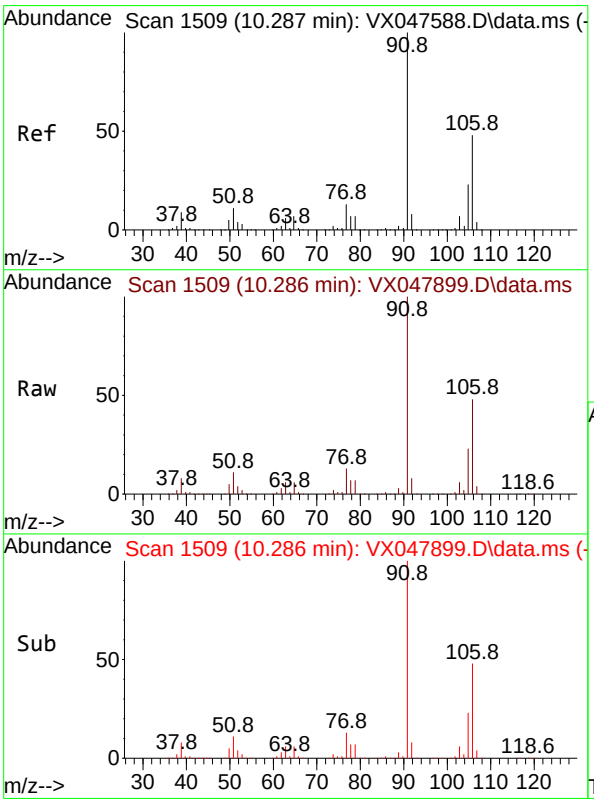
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

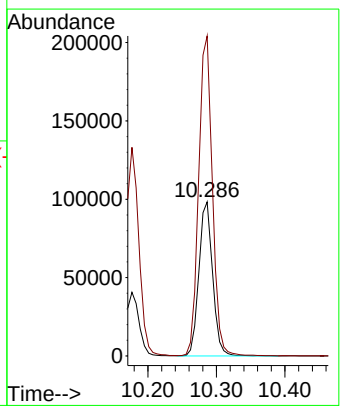


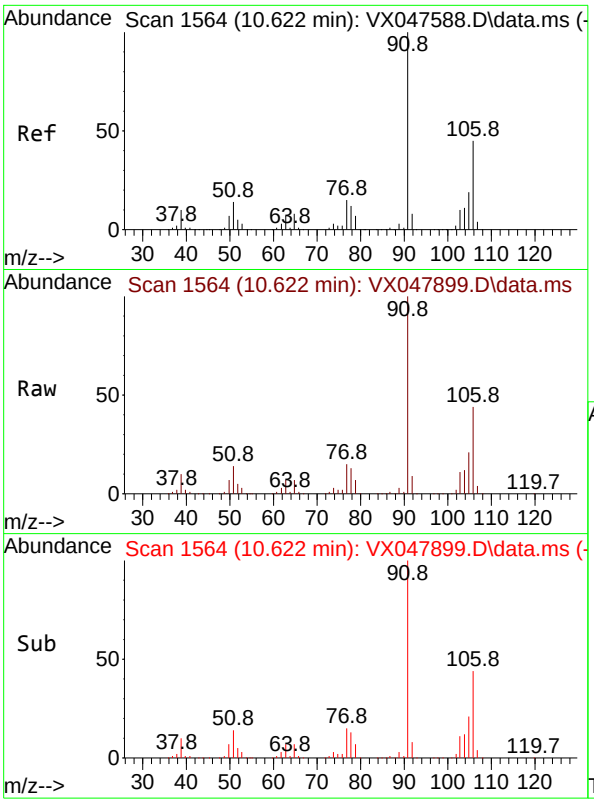


#68
m/p-Xylenes
Concen: 40.608 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:106 Resp: 137274

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8





#69
o-Xylene
Concen: 20.178 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:106 Resp: 6597

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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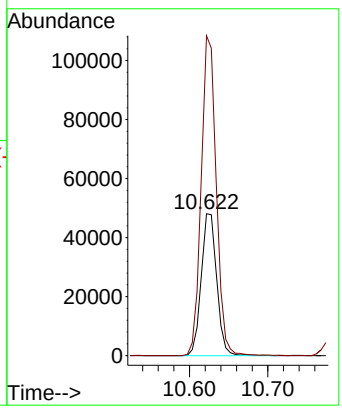
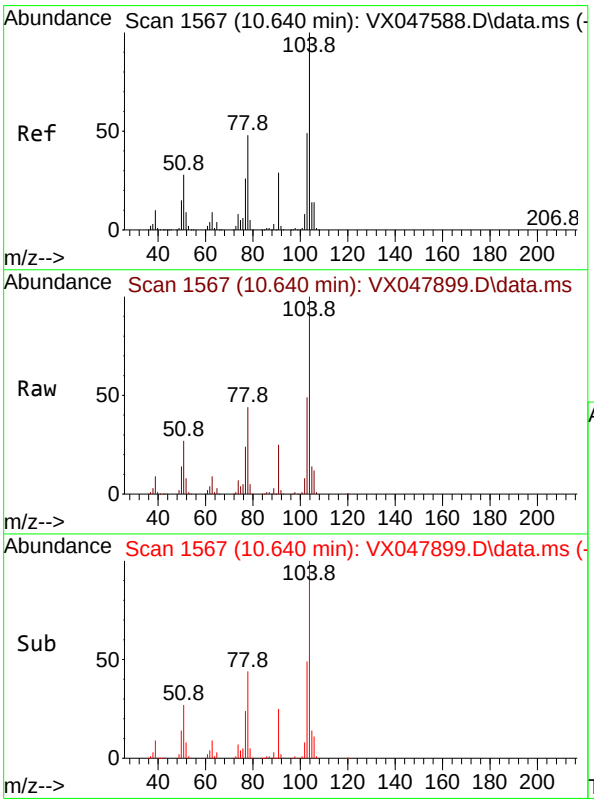
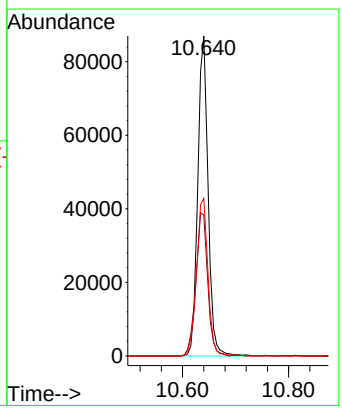


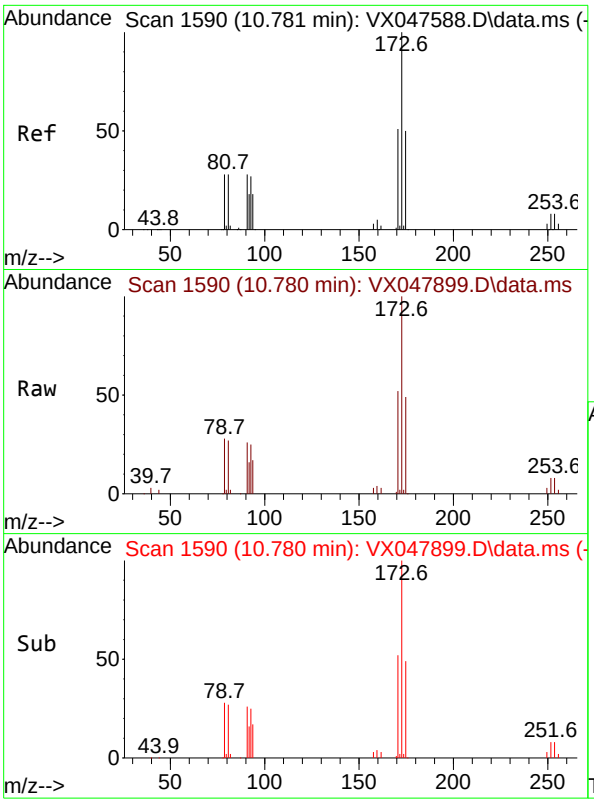


#70
Styrene
Concen: 20.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:104 Resp: 117279

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.1	64.7
103	54.7	43.1	64.7

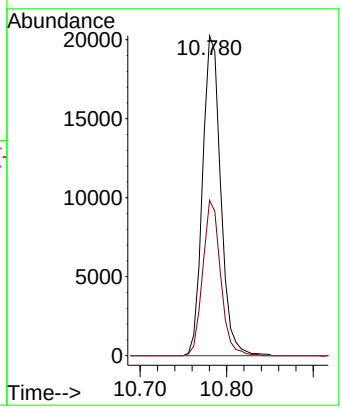




#71
Bromoform
Concen: 21.740 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:173 Resp: 2948

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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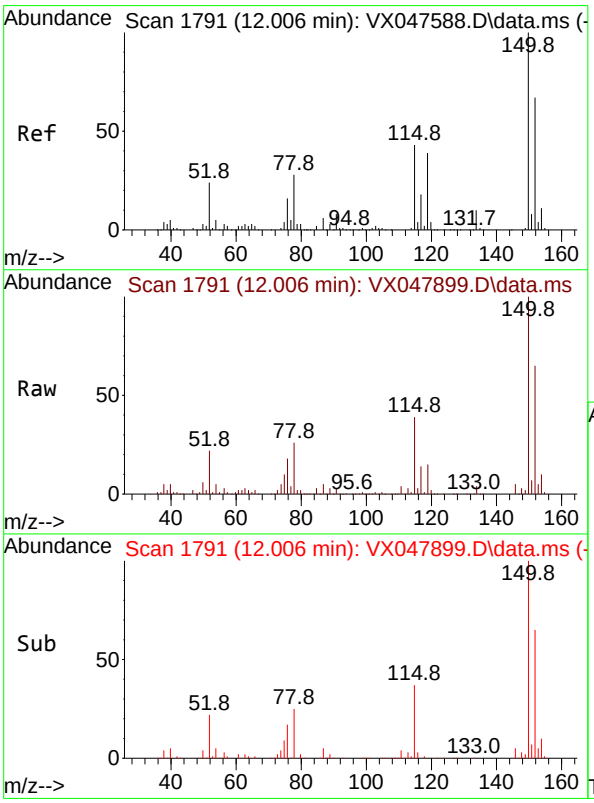
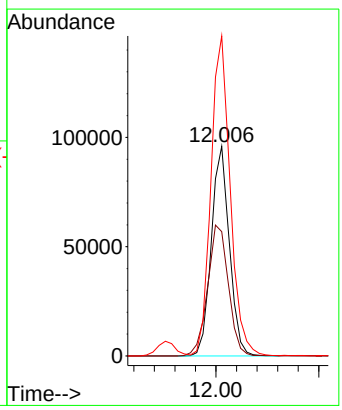
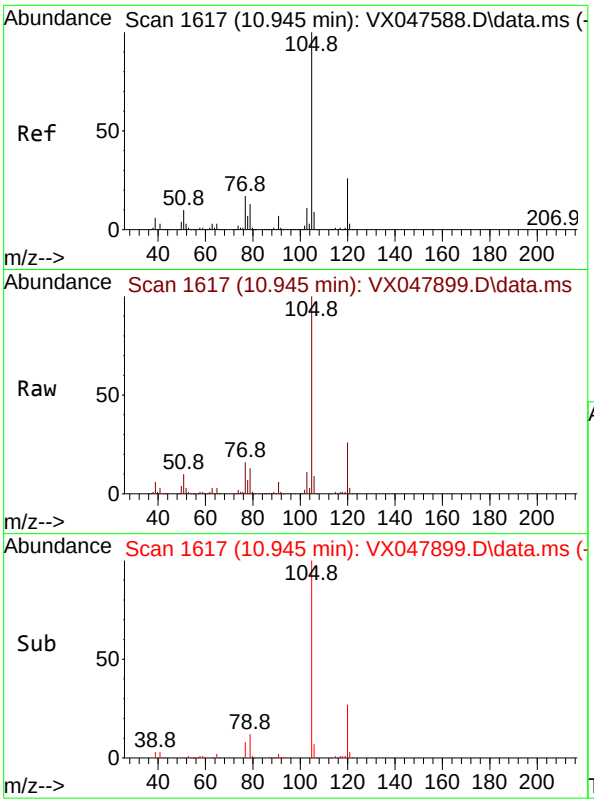


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:152 Resp: 116962

Ion	Ratio	Lower	Upper
152	100		
115	72.0	44.9	134.5
150	162.5	0.0	352.0





#73
Isopropylbenzene
Concen: 19.011 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 16904

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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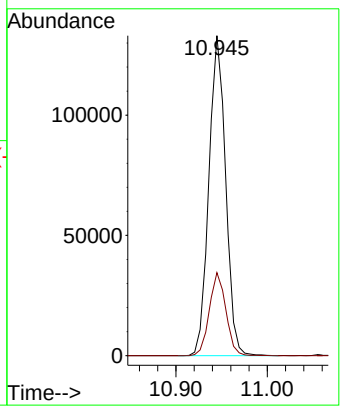
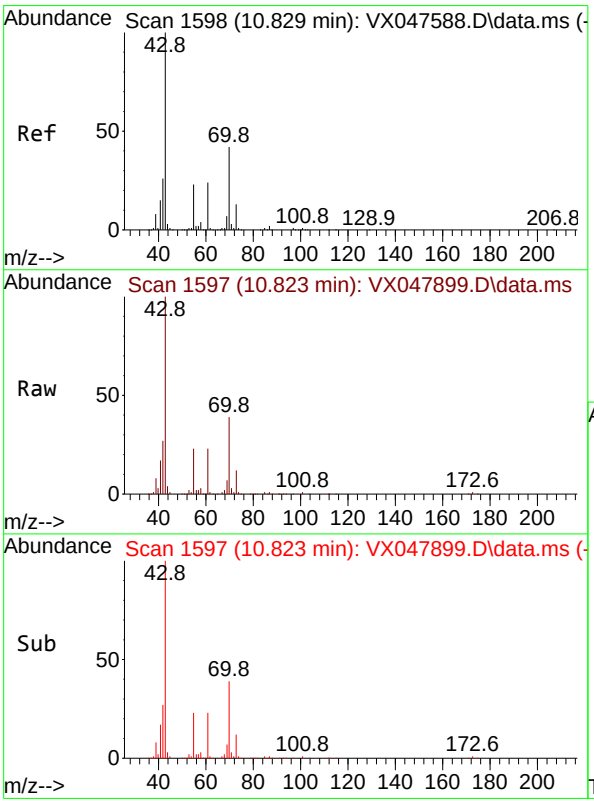
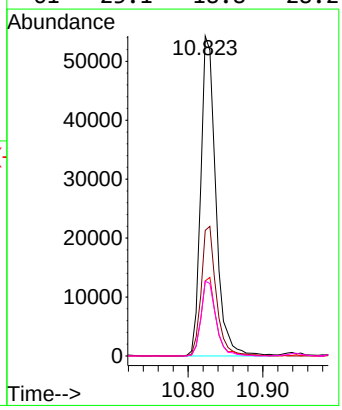


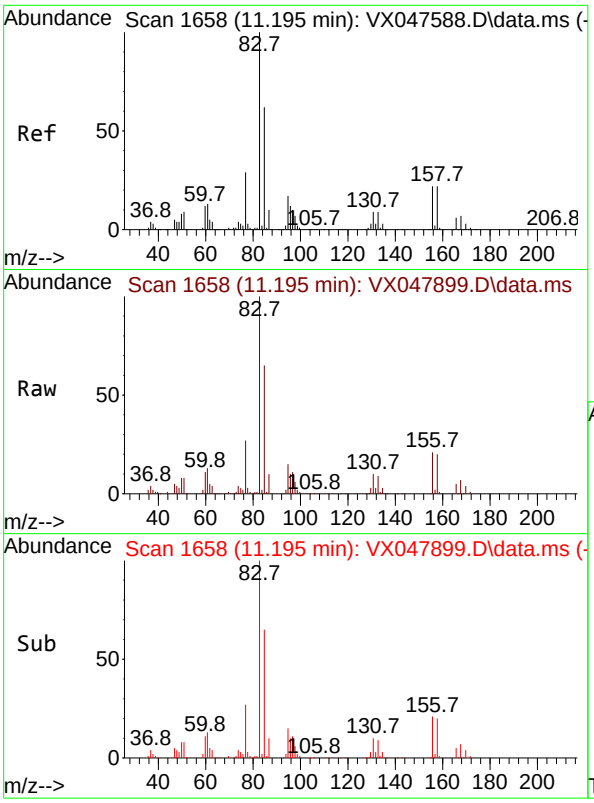


#74
N-amyl acetate
Concen: 18.720 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 75908

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.2	18.9	28.3
61	23.1	18.8	28.2

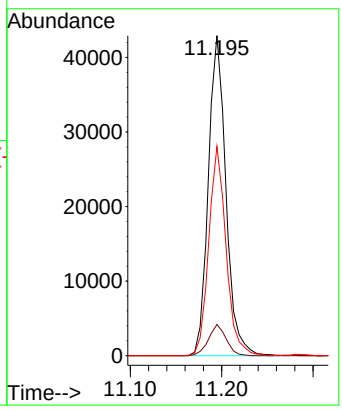




#75
1,1,2,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 5736

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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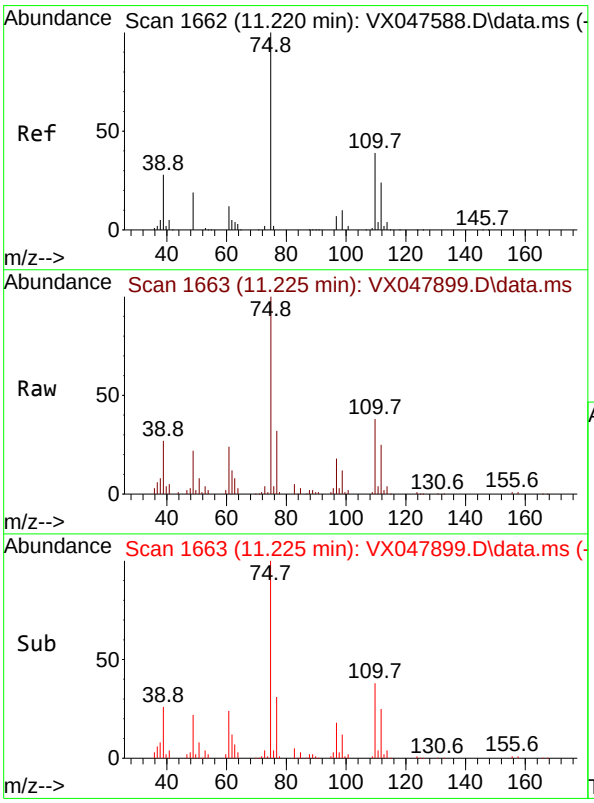
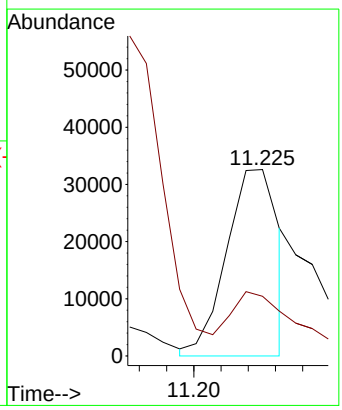
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

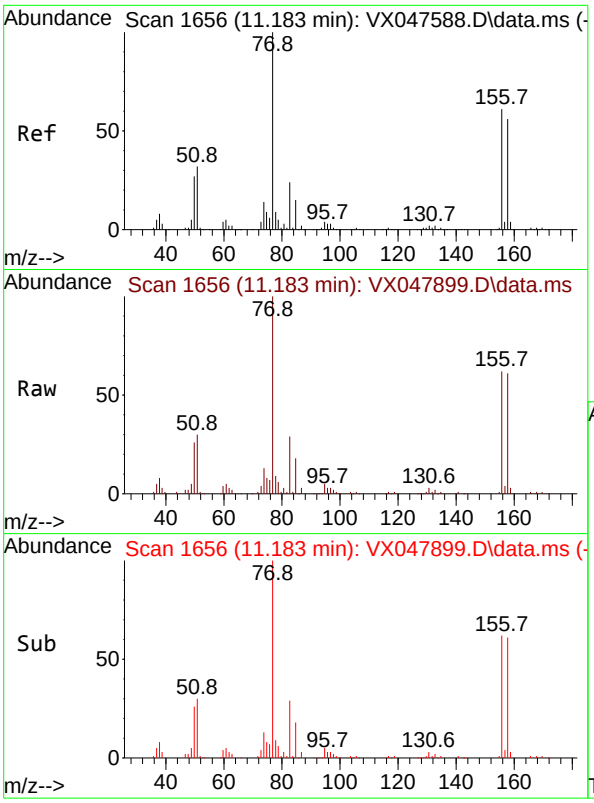


#76
1,2,3-Trichloropropane
Concen: 18.223 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 43155

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4

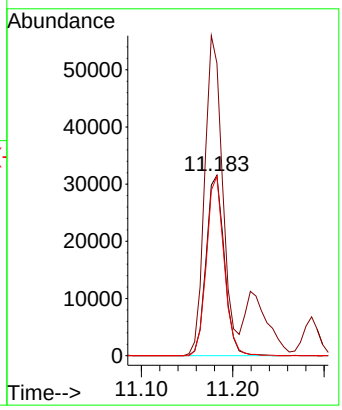




#77
Bromobenzene
Concen: 19.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:156 Resp: 4326

Ion	Ratio	Lower	Upper
156	100		
77	175.9	89.7	269.1
158	96.9	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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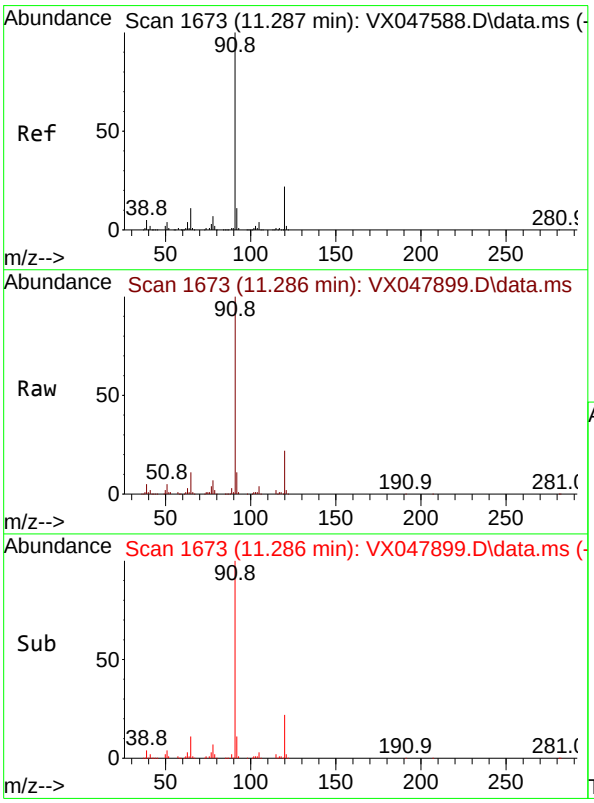
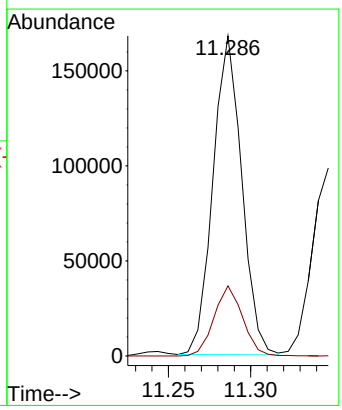
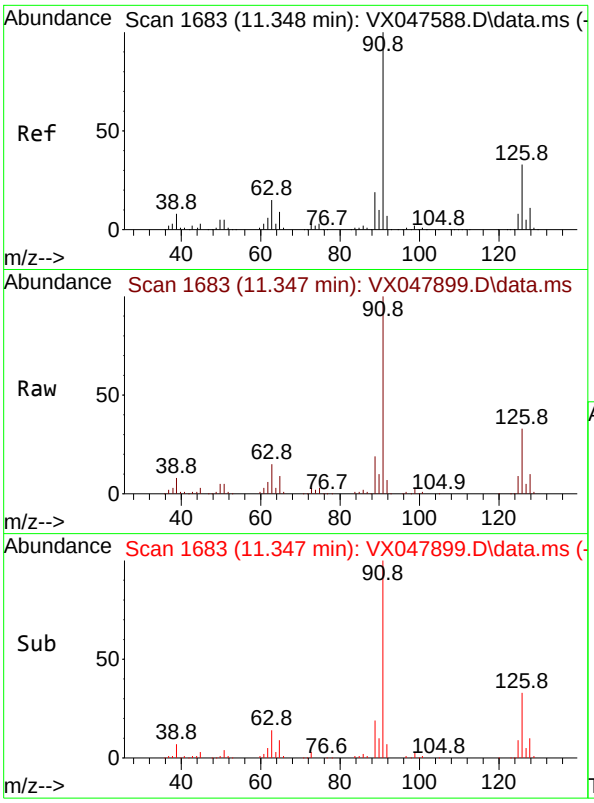


#78
n-propylbenzene
Concen: 19.346 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 203358

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79
2-Chlorotoluene
Concen: 19.454 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 12524

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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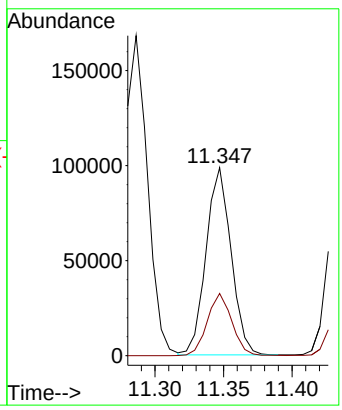
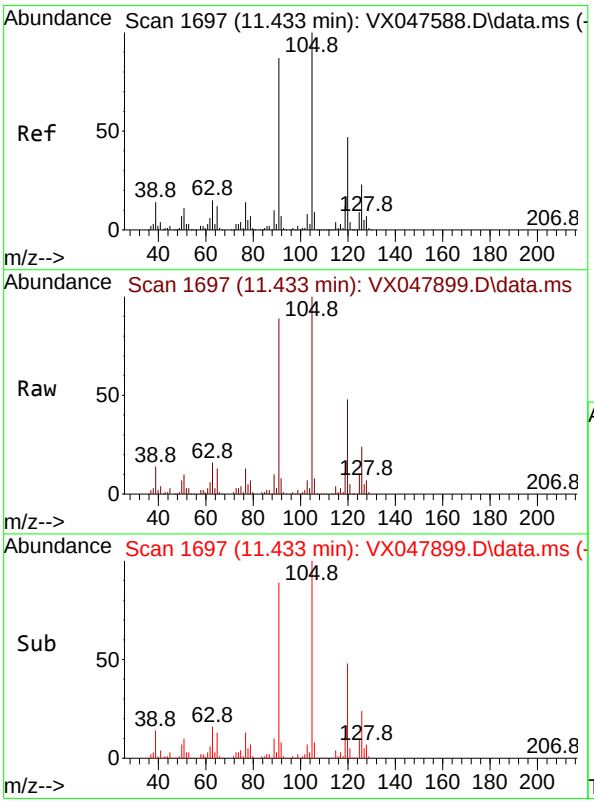
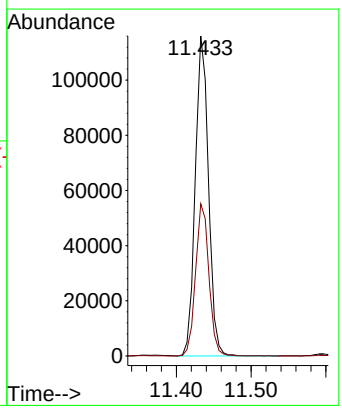


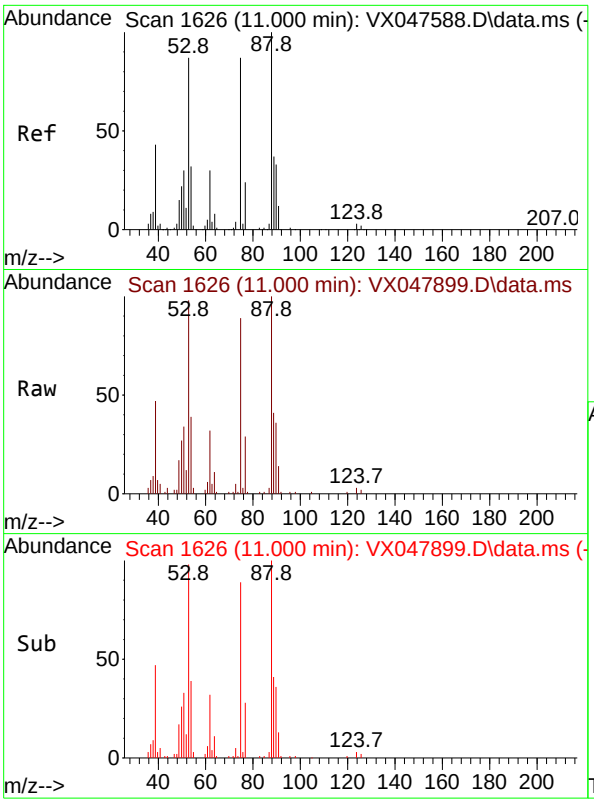


#80
1,3,5-Trimethylbenzene
Concen: 19.485 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 142350

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 17.265 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 1603

Ion	Ratio	Lower	Upper
75	100		
53	111.6	83.4	125.2
89	47.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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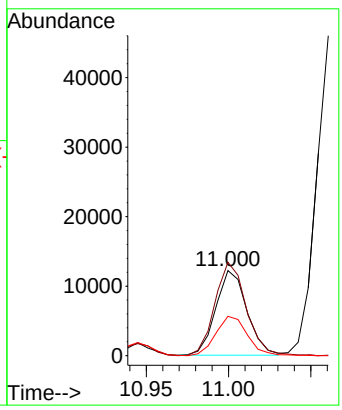
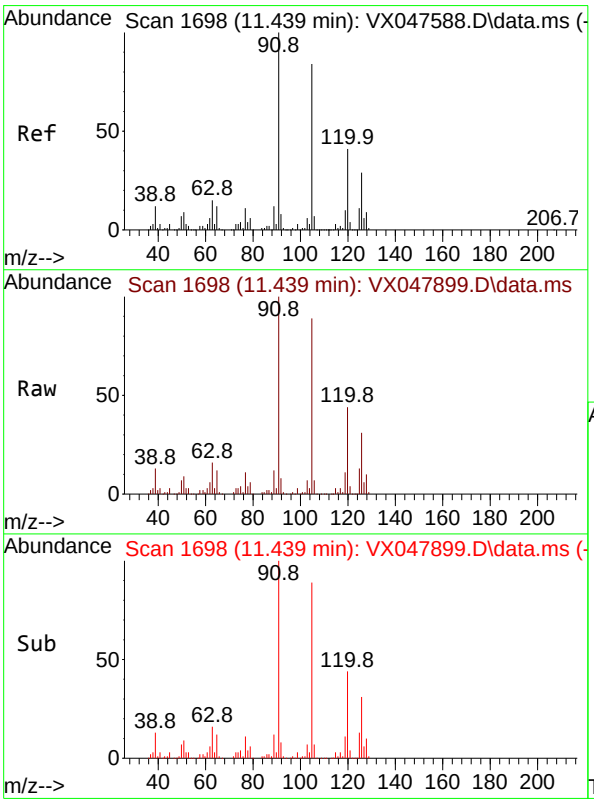
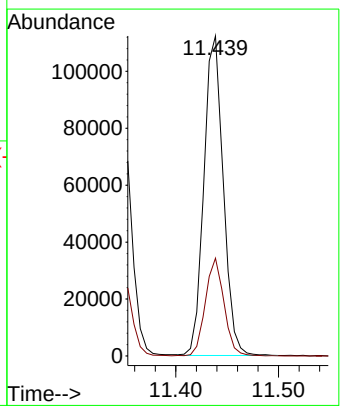


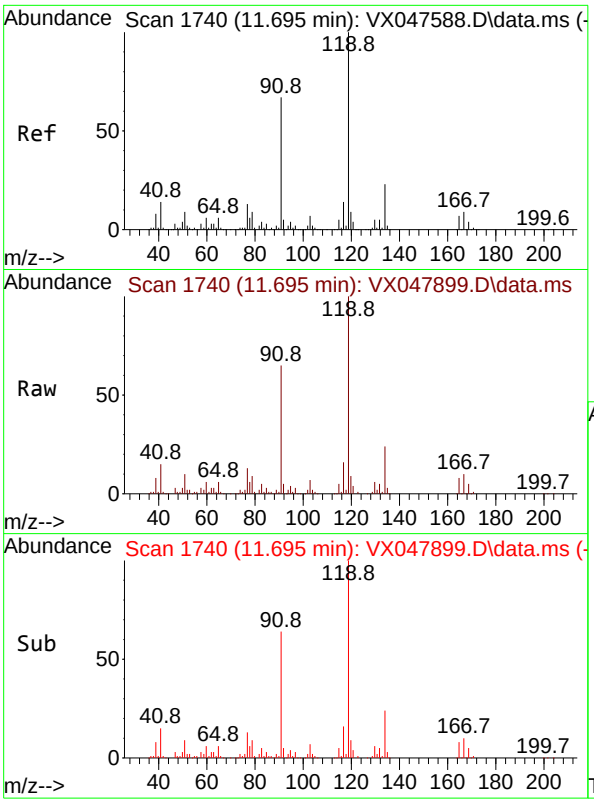


#82
4-Chlorotoluene
Concen: 19.377 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 147339

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6

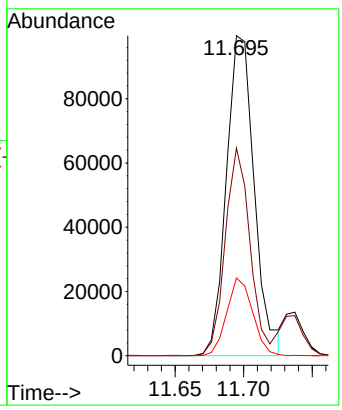




#83
tert-Butylbenzene
Concen: 18.892 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:119 Resp: 14128

Ion	Ratio	Lower	Upper
119	100		
91	57.5	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

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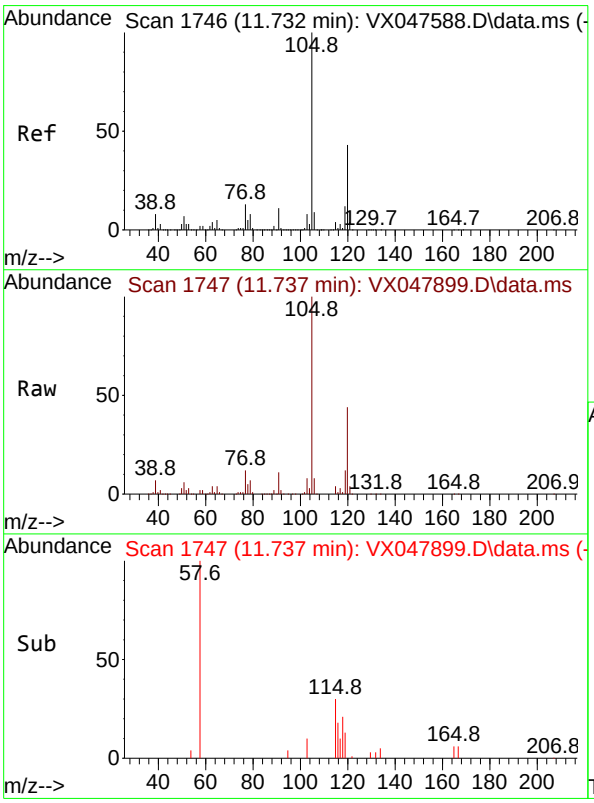
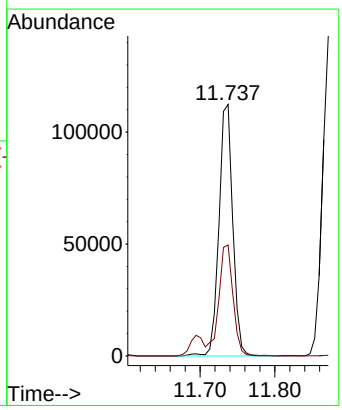
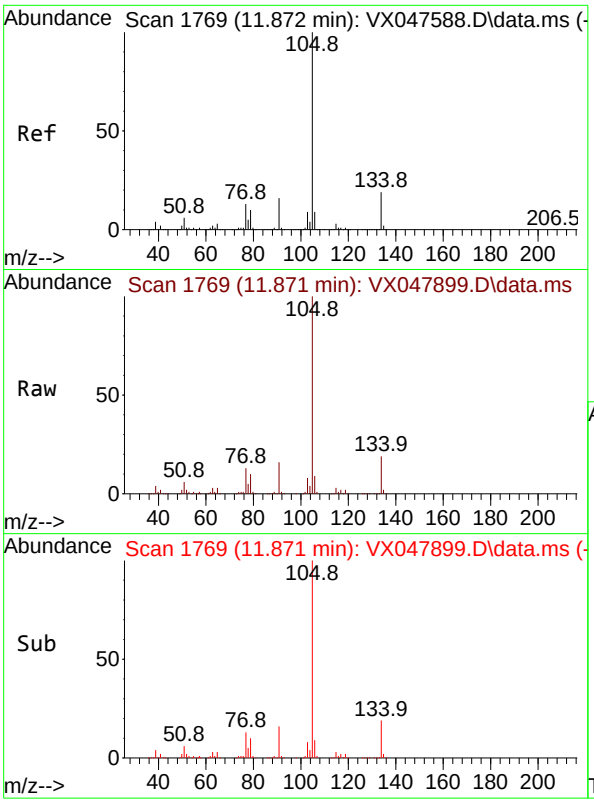


#84
1,2,4-Trimethylbenzene
Concen: 19.534 ug/l
RT: 11.737 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 144682

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.1





#85
sec-Butylbenzene
Concen: 19.363 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 17200

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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Reviewed By :John Carlone 10/01/2025
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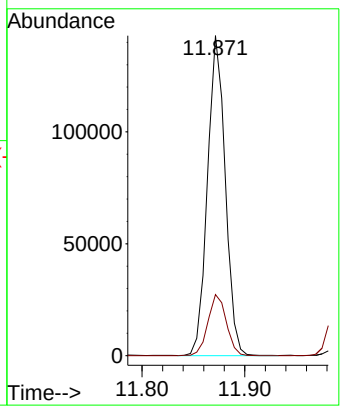
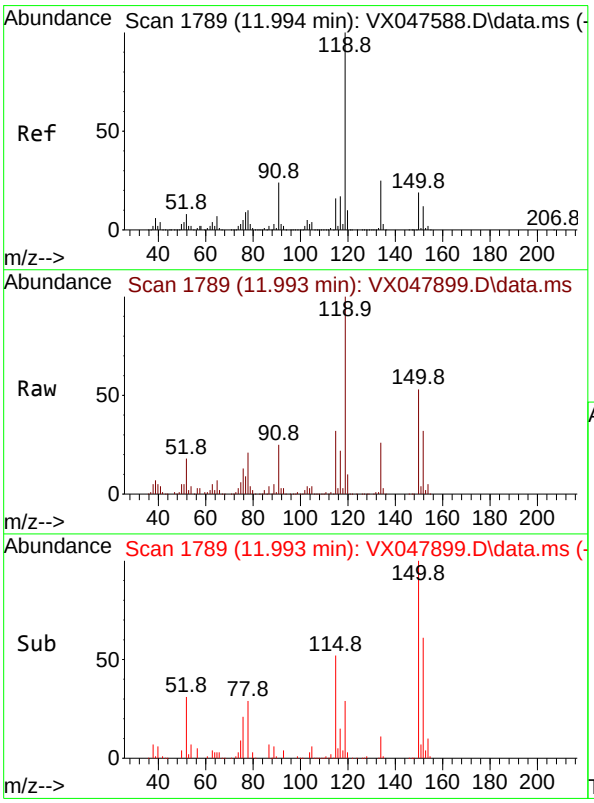
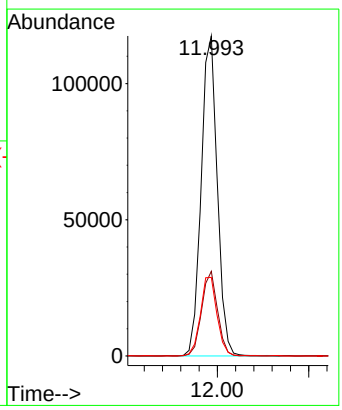


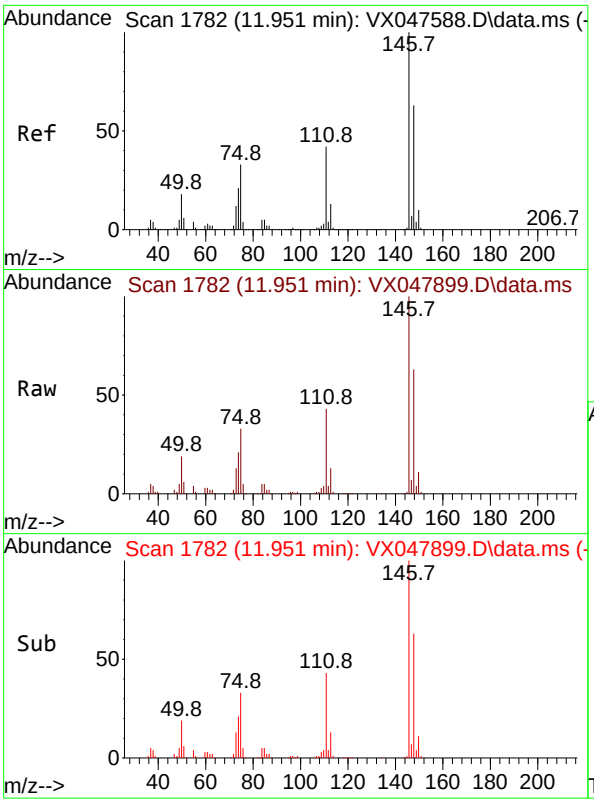


#86
p-Isopropyltoluene
Concen: 19.059 ug/l
RT: 11.993 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:119 Resp: 143333

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.5	12.6	37.6

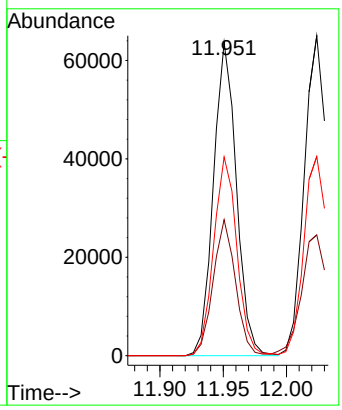




#87
1,3-Dichlorobenzene
Concen: 19.740 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 8030

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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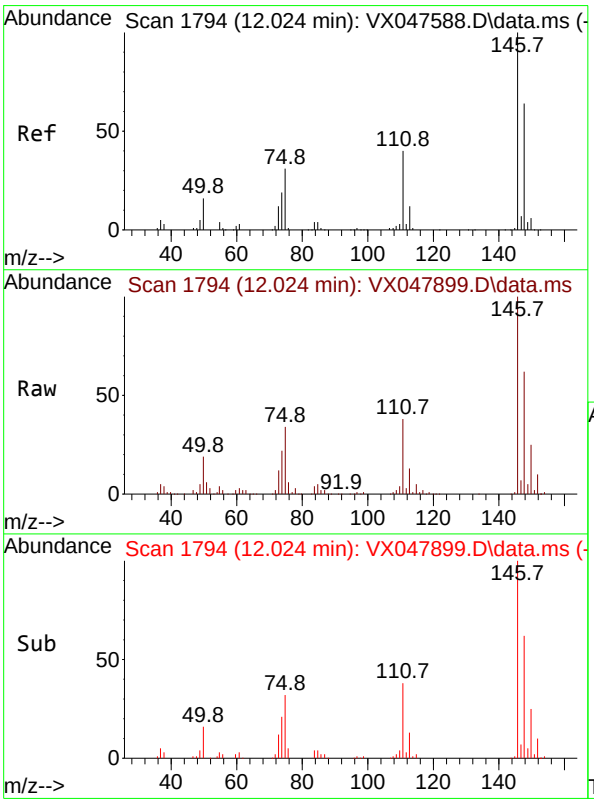
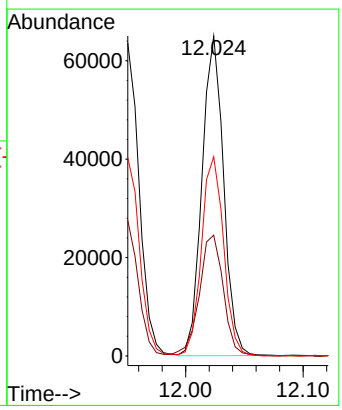
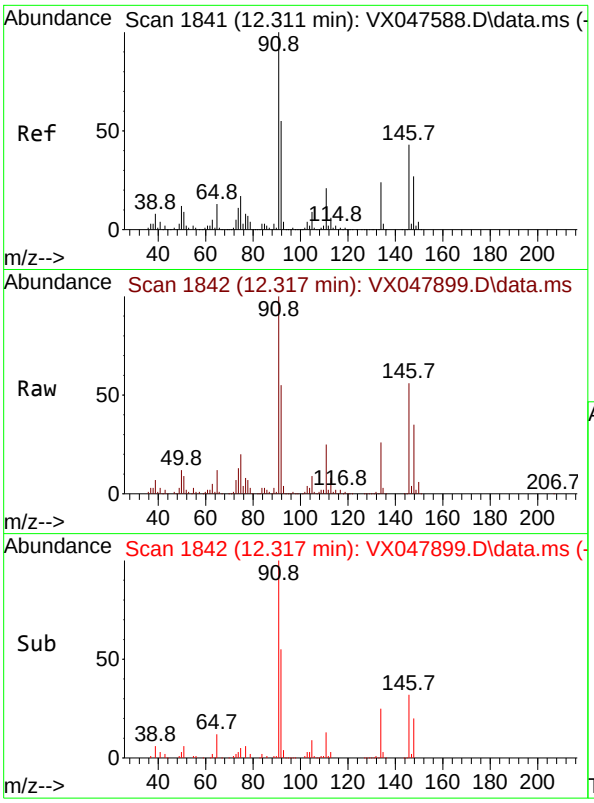


#88
1,4-Dichlorobenzene
Concen: 19.871 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 82964

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	64.0	31.7	95.1





#89
n-Butylbenzene
Concen: 18.965 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 13197

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.6	82.7
134	24.8	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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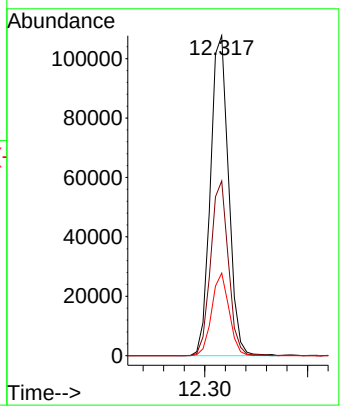
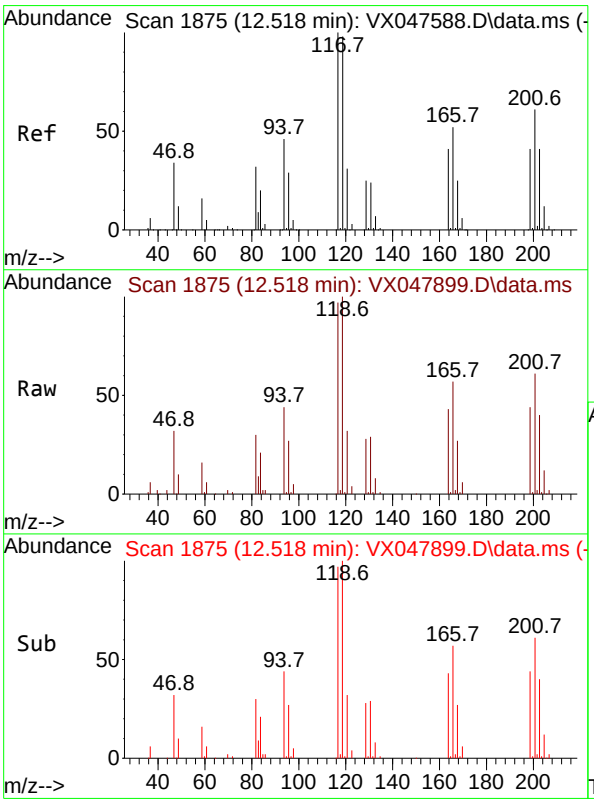
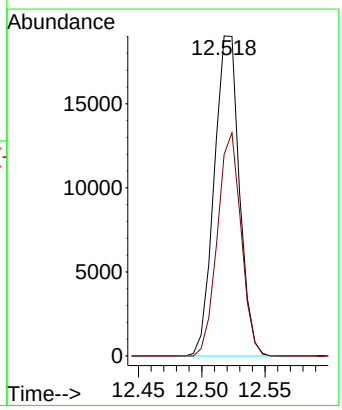


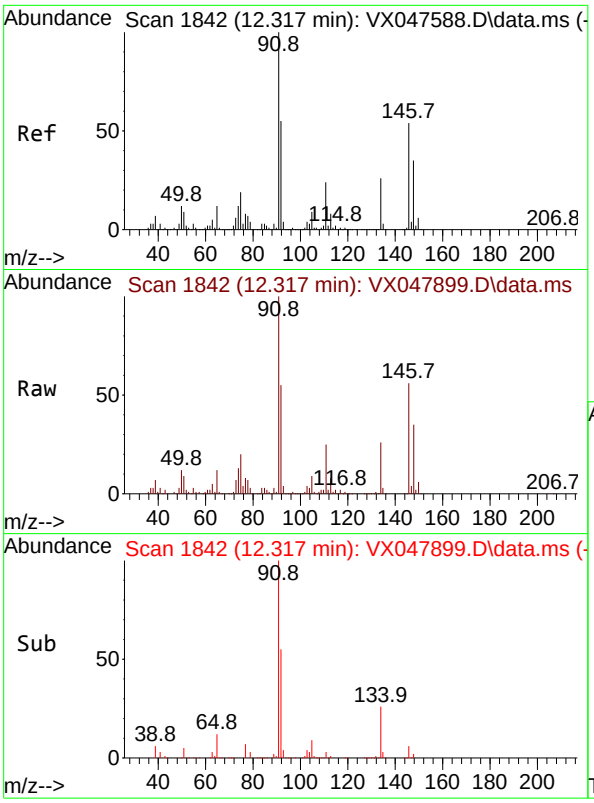


#90
Hexachloroethane
Concen: 19.900 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 26275

Ion	Ratio	Lower	Upper
117	100		
201	65.7	34.2	102.5

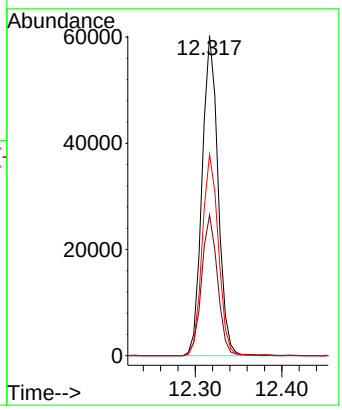




#91
1,2-Dichlorobenzene
Concen: 19.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 7727

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
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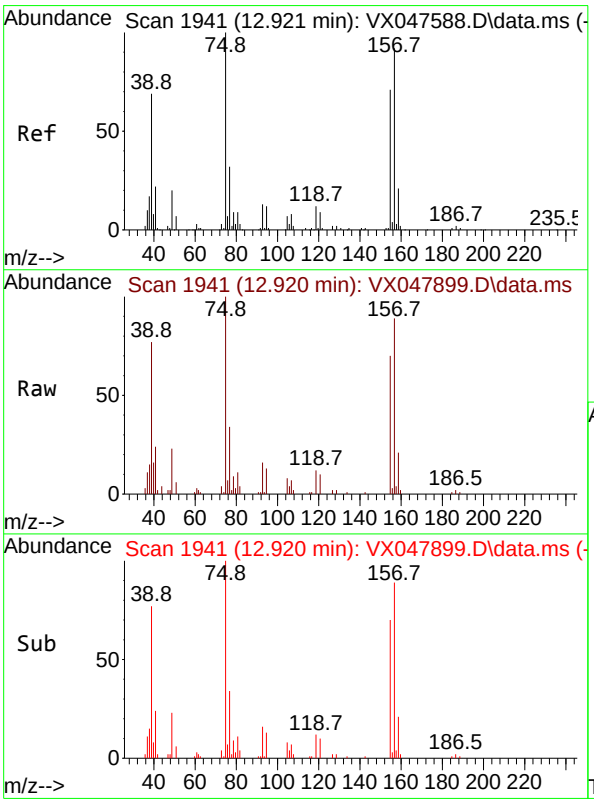
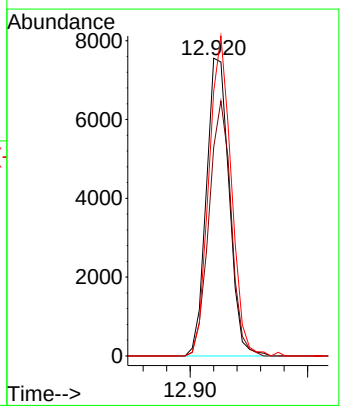
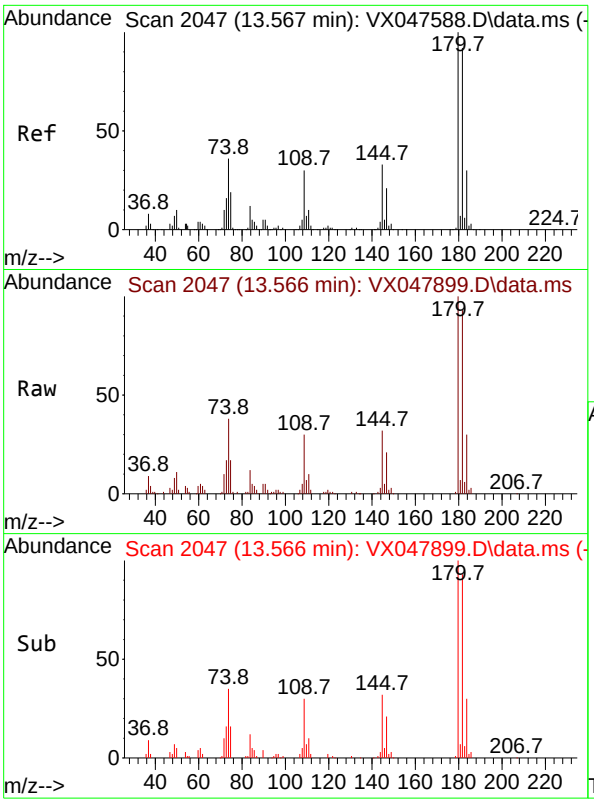


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.688 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 10179

Ion	Ratio	Lower	Upper
75	100		
155	83.0	37.7	113.1
157	105.5	49.8	149.4

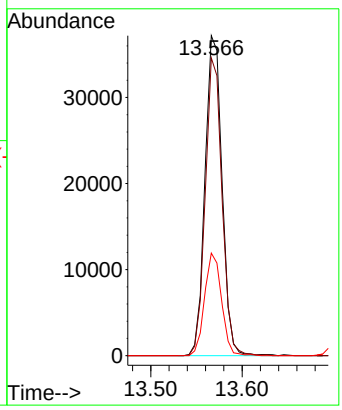




#93
1,2,4-Trichlorobenzene
Concen: 19.097 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:180 Resp: 4809

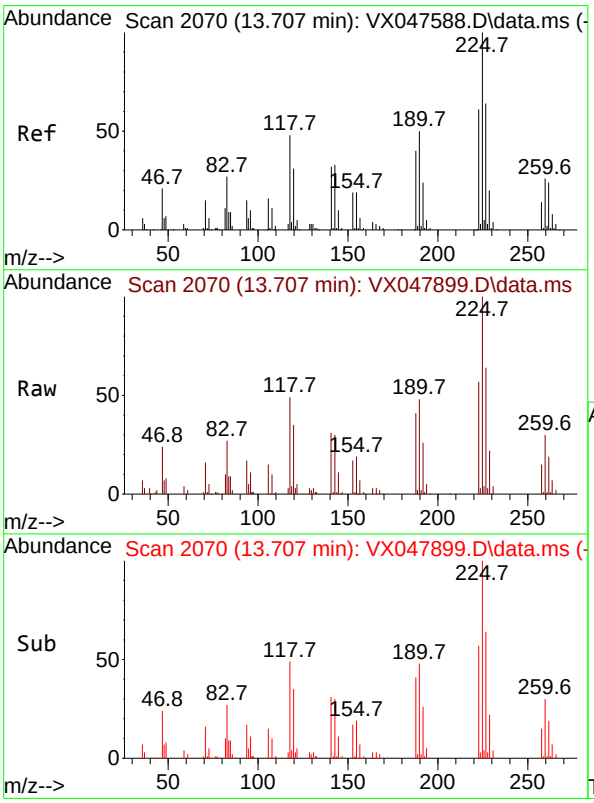
Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.6	139.8
145	31.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

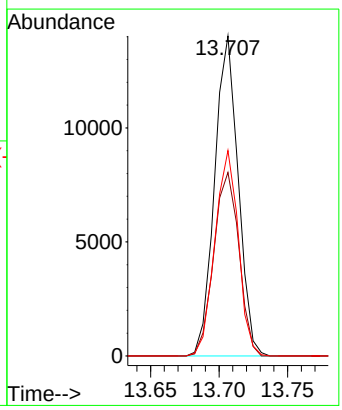
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

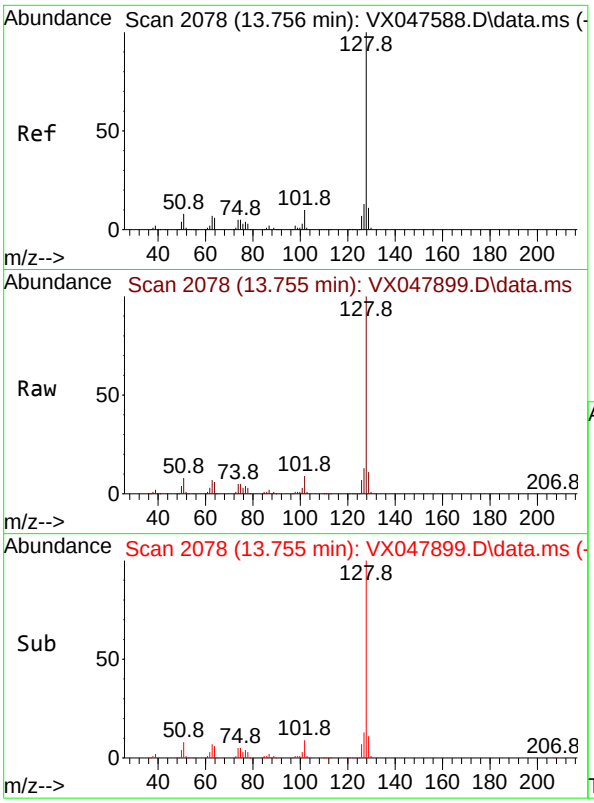


#94
Hexachlorobutadiene
Concen: 19.635 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:225 Resp: 16798

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.7	95.1
227	63.7	32.0	96.0

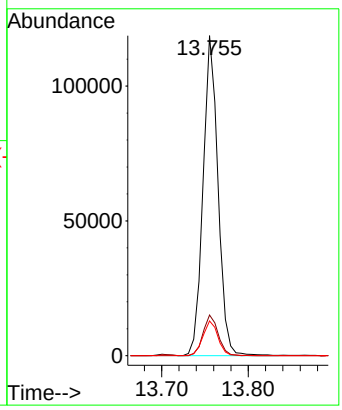




#95
Naphthalene
Concen: 18.552 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:128 Resp: 14229

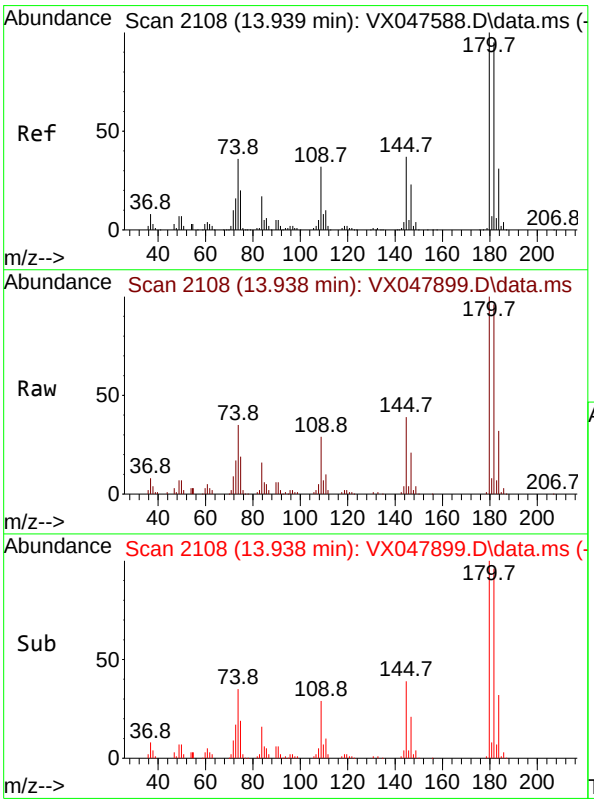
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

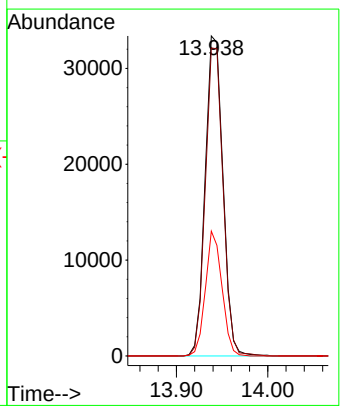
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.210 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:180 Resp: 45008

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	36.2	17.9	53.7



Raw Data: **VX047928.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1001WBS01	SDG No.:	Q3193
Lab Sample ID:	VX1001WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047928.D	1	10/01/25 10:59	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	18.7		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	22.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	95.2		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	19.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	95.9		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.9		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.1		0.14	0.50	1.00	ug/L

Raw Data: **VX047928.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1001WBS01	SDG No.:	Q3193
Lab Sample ID:	VX1001WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047928.D	1	10/01/25 10:59	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	96.8		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.3		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	19.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		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	18.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.532				
540-36-3	1,4-Difluorobenzene	256000	6.745				
3114-55-4	Chlorobenzene-d5	236000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.006				

Raw Data: **VX047928.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1001WBS01	SDG No.:	Q3193
Lab Sample ID:	VX1001WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047928.D	1	10/01/25 10:59	VX100125

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\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	143368	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	256464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	117338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	116722	51.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.300%			
35) Dibromofluoromethane	5.367	113	90497	52.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.220%			
50) Toluene-d8	8.629	98	308951	51.911	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.820%			
62) 4-Bromofluorobenzene	11.061	95	115941	51.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	29795	20.069	ug/l	95
3) Chloromethane	1.301	50	36407	18.659	ug/l	97
4) Vinyl Chloride	1.380	62	37334	19.547	ug/l	99
5) Bromomethane	1.618	94	27176	22.438	ug/l	98
6) Chloroethane	1.697	64	24793	19.422	ug/l	98
7) Trichlorofluoromethane	1.898	101	55384	19.529	ug/l	97
8) Diethyl Ether	2.136	74	22856	19.702	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	33095	19.958	ug/l	99
10) Methyl Iodide	2.453	142	41522	16.055	ug/l	96
11) Tert butyl alcohol	2.941	59	20372	80.154	ug/l	98
12) 1,1-Dichloroethene	2.325	96	33196	19.489	ug/l	95
13) Acrolein	2.239	56	16119	68.822	ug/l	99
14) Allyl chloride	2.666	41	65150	18.535	ug/l	99
15) Acrylonitrile	3.056	53	95367	101.301	ug/l	99
16) Acetone	2.374	43	94426	95.164	ug/l	99
17) Carbon Disulfide	2.514	76	84931	18.213	ug/l	99
18) Methyl Acetate	2.697	43	44709	20.246	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	122020	19.624	ug/l	100
20) Methylene Chloride	2.788	84	43680	20.797	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	35861	19.555	ug/l	96
22) Diisopropyl ether	3.745	45	138849	20.383	ug/l #	81
23) Vinyl Acetate	3.709	43	534353	98.011	ug/l	99
24) 1,1-Dichloroethane	3.605	63	74689	20.628	ug/l	100
25) 2-Butanone	4.538	43	118738	95.934	ug/l	98
26) 2,2-Dichloropropane	4.465	77	59600	19.803	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	46387	20.654	ug/l	97
28) Bromochloromethane	4.885	49	30651	19.391	ug/l	98
29) Tetrahydrofuran	4.983	42	69981	93.988	ug/l	99
30) Chloroform	5.074	83	77569	21.201	ug/l	100
31) Cyclohexane	5.452	56	54769	18.162	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	62984	20.295	ug/l	98
36) 1,1-Dichloropropene	5.678	75	47797	19.018	ug/l	99
37) Ethyl Acetate	4.696	43	43361	16.113	ug/l	97
38) Carbon Tetrachloride	5.660	117	54154	19.831	ug/l	98
39) Methylcyclohexane	7.360	83	50895	17.839	ug/l	97
40) Benzene	6.019	78	154444	20.232	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	26469	19.053	ug/l		97
42) 1,2-Dichloroethane	6.068	62	59300	20.417	ug/l		100
43) Isopropyl Acetate	6.318	43	82812	18.763	ug/l		99
44) Trichloroethene	7.104	130	36839	19.961	ug/l		96
45) 1,2-Dichloropropane	7.409	63	41267	21.112	ug/l		98
46) Dibromomethane	7.562	93	29032	20.410	ug/l		99
47) Bromodichloromethane	7.806	83	61587	20.982	ug/l		97
48) Methyl methacrylate	7.677	41	40745	18.534	ug/l		99
49) 1,4-Dioxane	7.647	88	9318	419.406	ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	244517	99.924	ug/l		98
52) Toluene	8.702	92	94738	20.144	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	59556	19.892	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	64556	20.173	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	38757	21.372	ug/l		98
56) Ethyl methacrylate	9.098	69	55203	19.383	ug/l		98
57) 1,3-Dichloropropane	9.293	76	65633	21.069	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	128537	101.513	ug/l		99
59) 2-Hexanone	9.415	43	170104	96.790	ug/l		100
60) Dibromochloromethane	9.506	129	45160	21.613	ug/l		99
61) 1,2-Dibromoethane	9.592	107	39392	21.326	ug/l		99
64) Tetrachloroethene	9.256	164	29231	19.018	ug/l		96
65) Chlorobenzene	10.061	112	108167	20.194	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	37627	20.357	ug/l		97
67) Ethyl Benzene	10.177	91	178322	19.294	ug/l		99
68) m/p-Xylenes	10.281	106	134798	39.185	ug/l		99
69) o-Xylene	10.622	106	65016	19.540	ug/l		99
70) Styrene	10.640	104	116119	19.917	ug/l		98
71) Bromoform	10.781	173	28082	20.347	ug/l	#	99
73) Isopropylbenzene	10.945	105	168530	18.892	ug/l		100
74) N-amyl acetate	10.823	43	72147	17.735	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53088	19.670	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	41680m	17.544	ug/l		
77) Bromobenzene	11.183	156	42848	19.502	ug/l		98
78) n-propylbenzene	11.287	91	201137	19.073	ug/l		100
79) 2-Chlorotoluene	11.348	91	122591	18.980	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	139295	19.006	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	15793	16.952	ug/l		97
82) 4-Chlorotoluene	11.439	91	147172	19.293	ug/l		98
83) tert-Butylbenzene	11.695	119	141601	18.873	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	142439	19.169	ug/l		100
85) sec-Butylbenzene	11.872	105	167012	18.741	ug/l		100
86) p-Isopropyltoluene	11.988	119	142178	18.845	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	79760	19.544	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	81177	19.381	ug/l		98
89) n-Butylbenzene	12.317	91	129623	18.568	ug/l		99
90) Hexachloroethane	12.518	117	26051	19.667	ug/l		95
91) 1,2-Dichlorobenzene	12.317	146	76305	19.626	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9081	16.618	ug/l		89
93) 1,2,4-Trichlorobenzene	13.567	180	45852	18.146	ug/l		99
94) Hexachlorobutadiene	13.707	225	16270	18.956	ug/l		99
95) Naphthalene	13.756	128	131572	17.100	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	43451	18.486	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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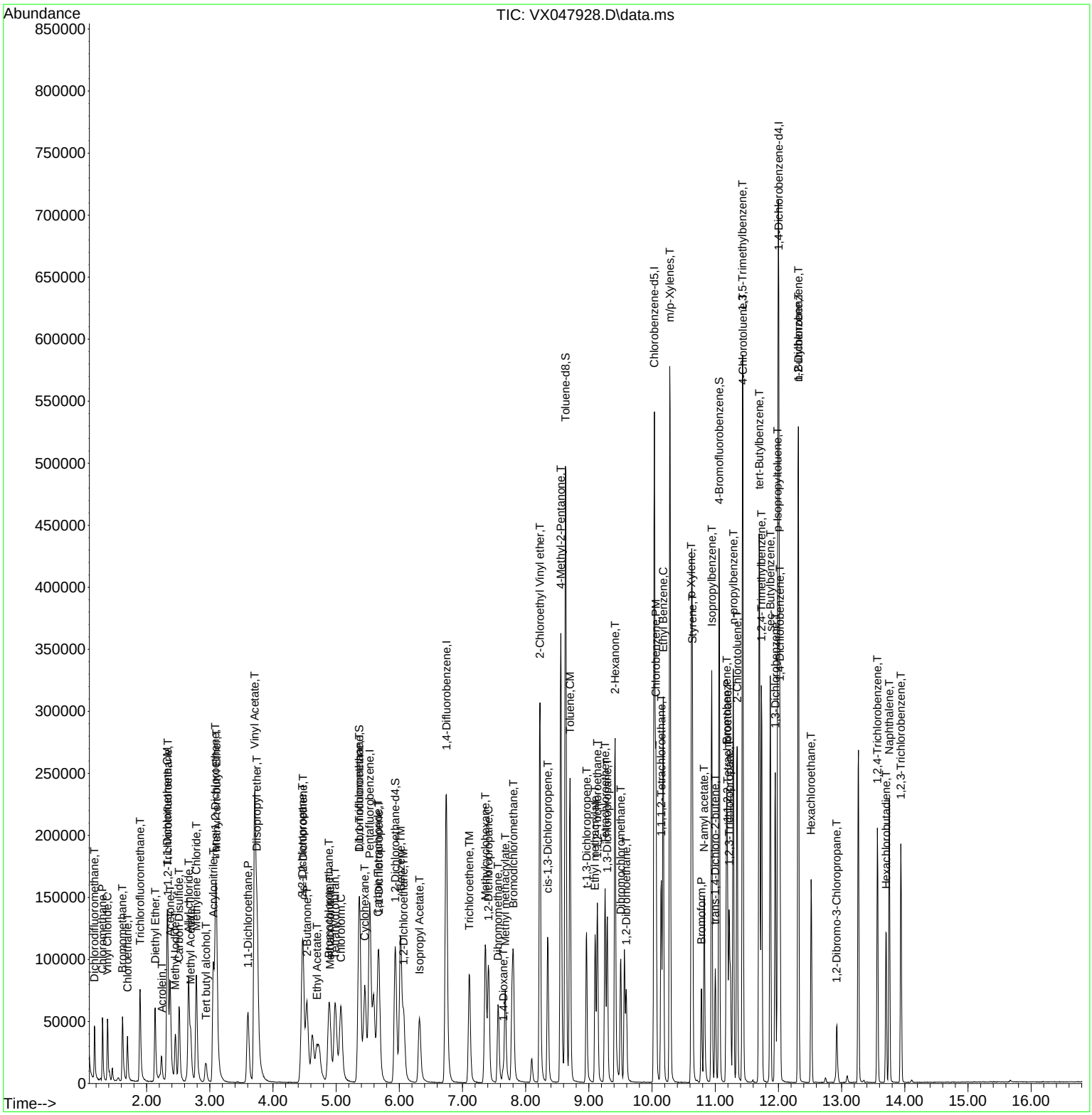
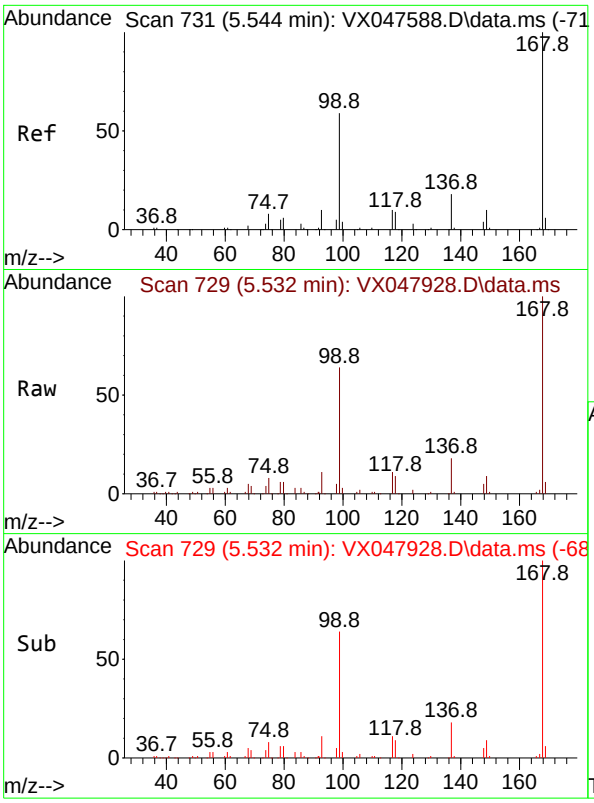
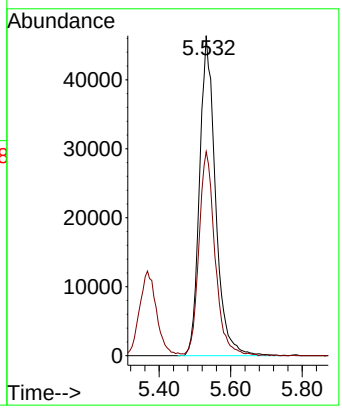




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:168 Resp: 14336

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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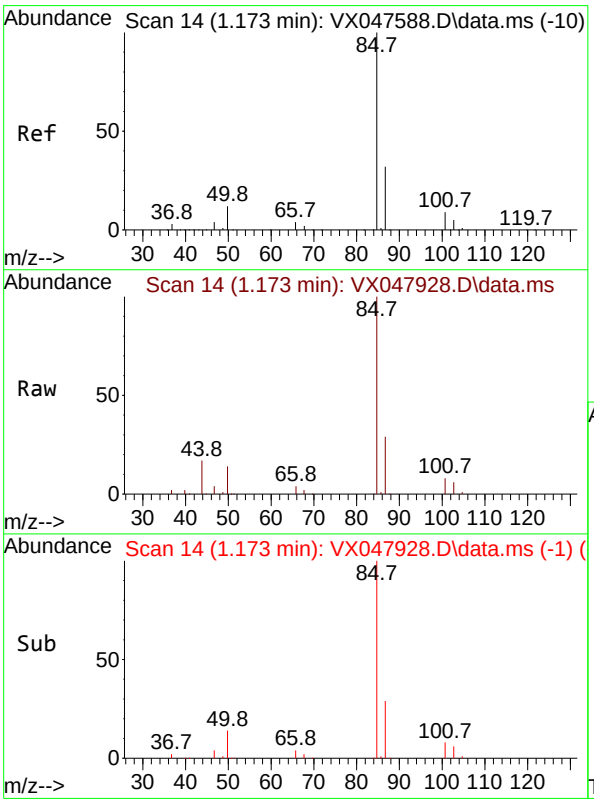
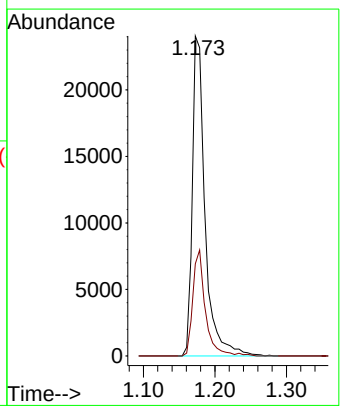
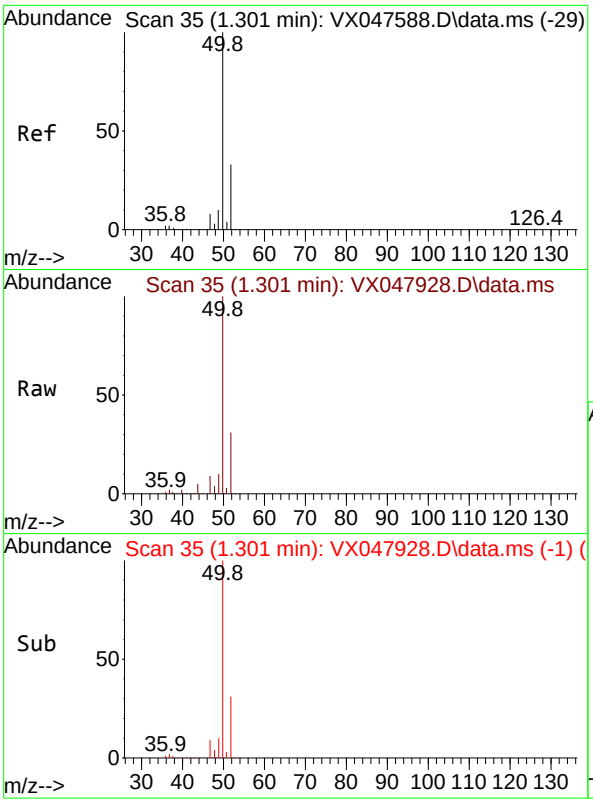


#2
Dichlorodifluoromethane
Concen: 20.069 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 85 Resp: 29795

Ion	Ratio	Lower	Upper
85	100		
87	28.8	15.8	47.3

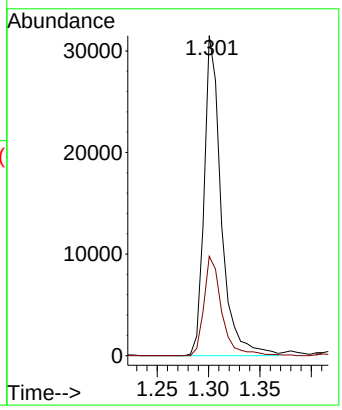




#3
Chloromethane
Concen: 18.659 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 50 Resp: 3640

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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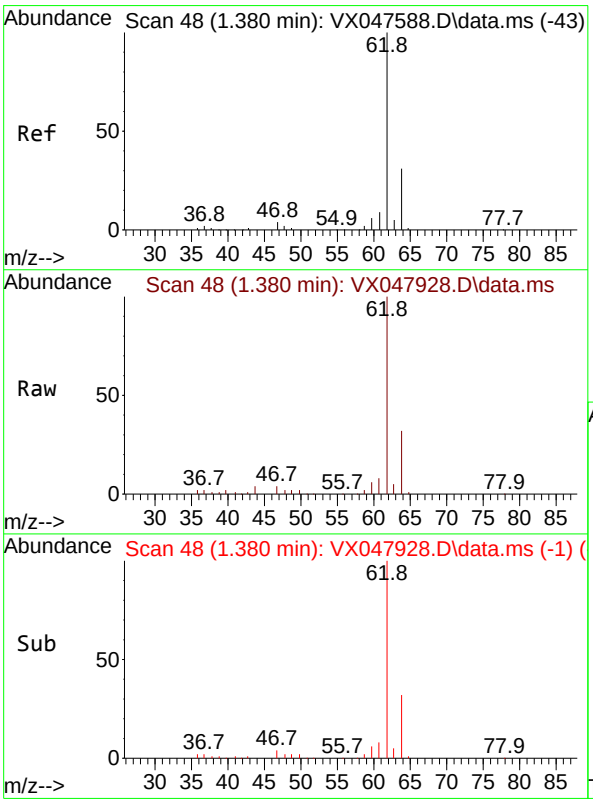
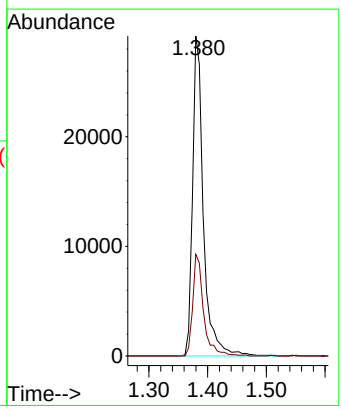
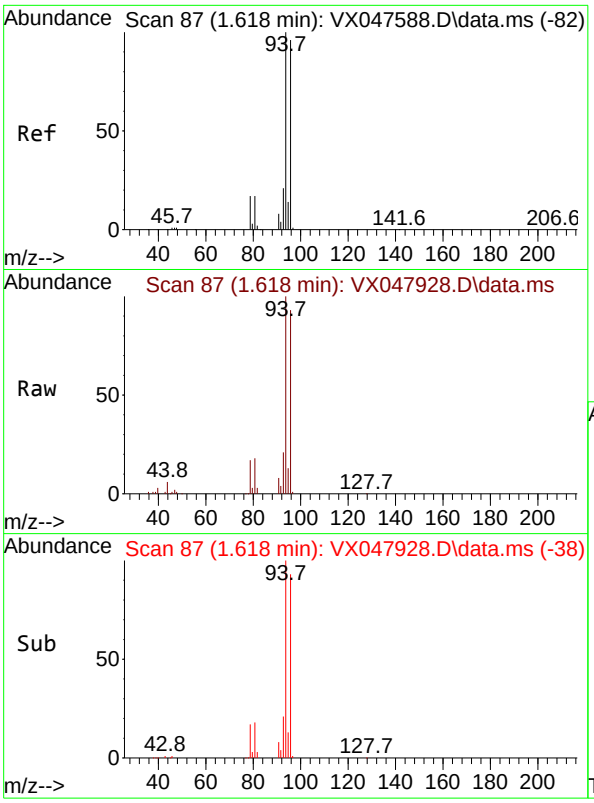


#4
Vinyl Chloride
Concen: 19.547 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 62 Resp: 37334

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3

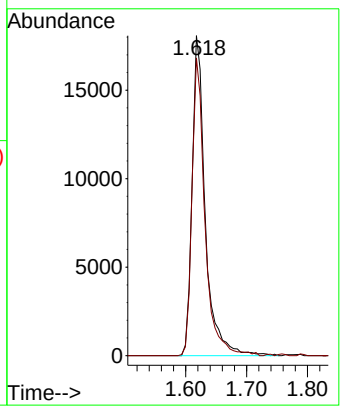




#5
Bromomethane
Concen: 22.438 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 94 Resp: 2717

Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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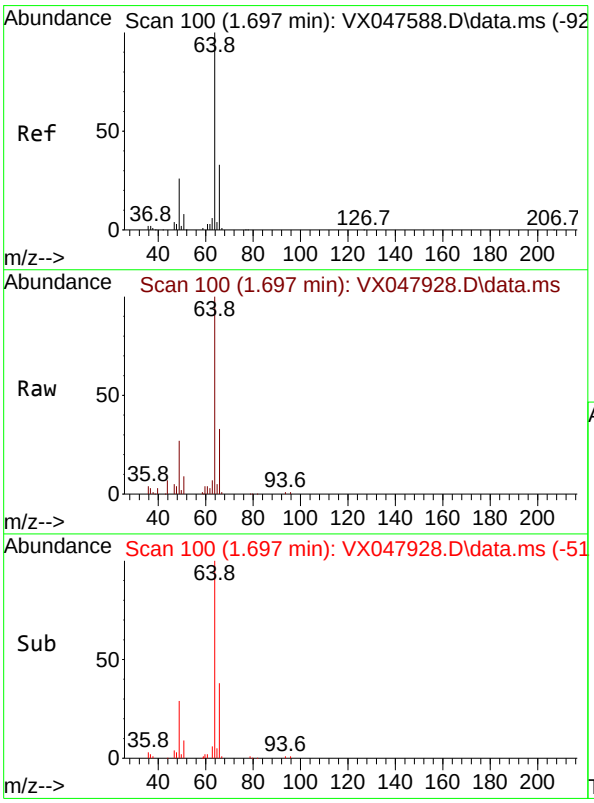
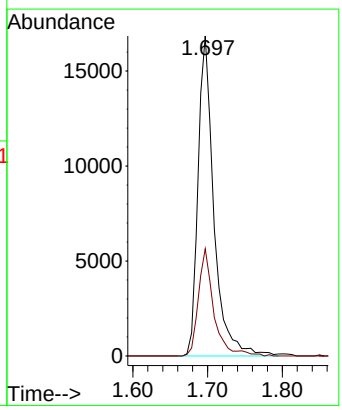
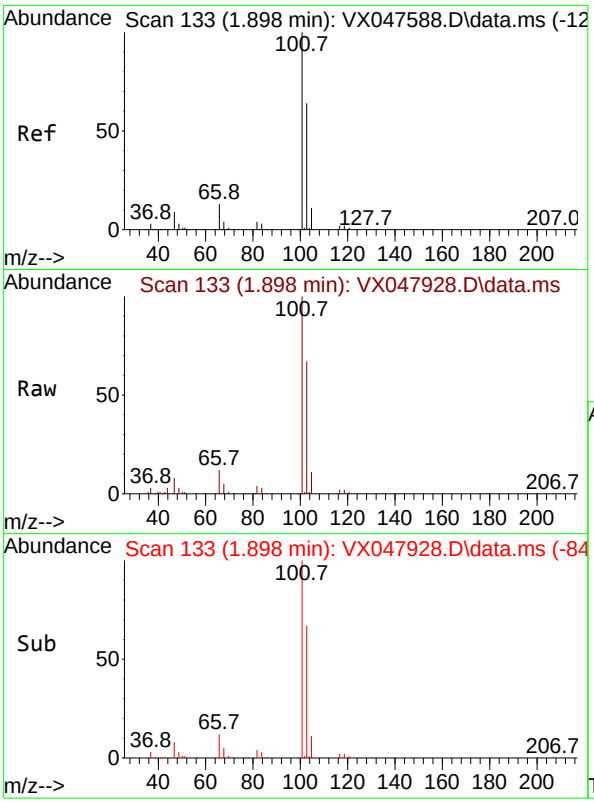


#6
Chloroethane
Concen: 19.422 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 64 Resp: 24793

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.1	39.1

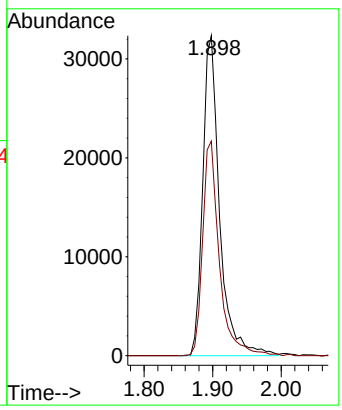




#7
Trichlorofluoromethane
Concen: 19.529 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:101 Resp: 5538

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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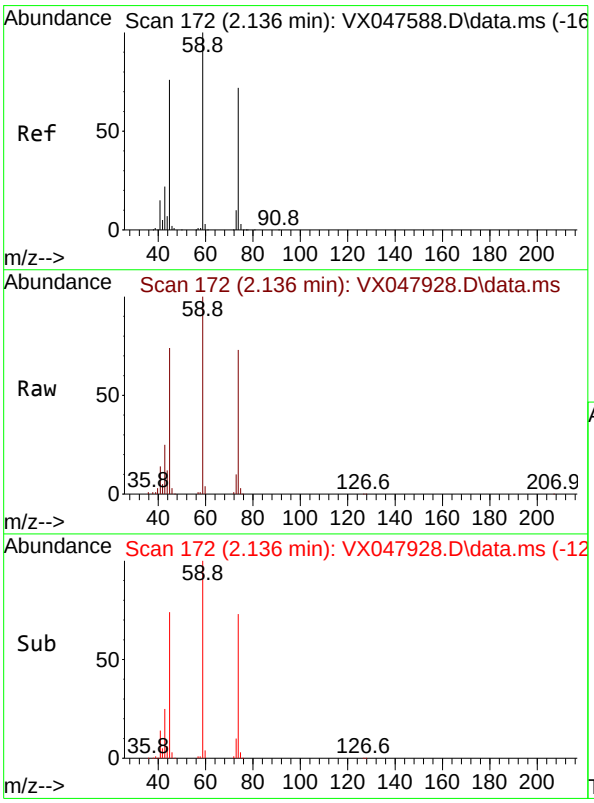
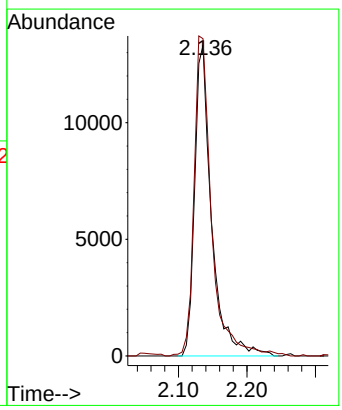
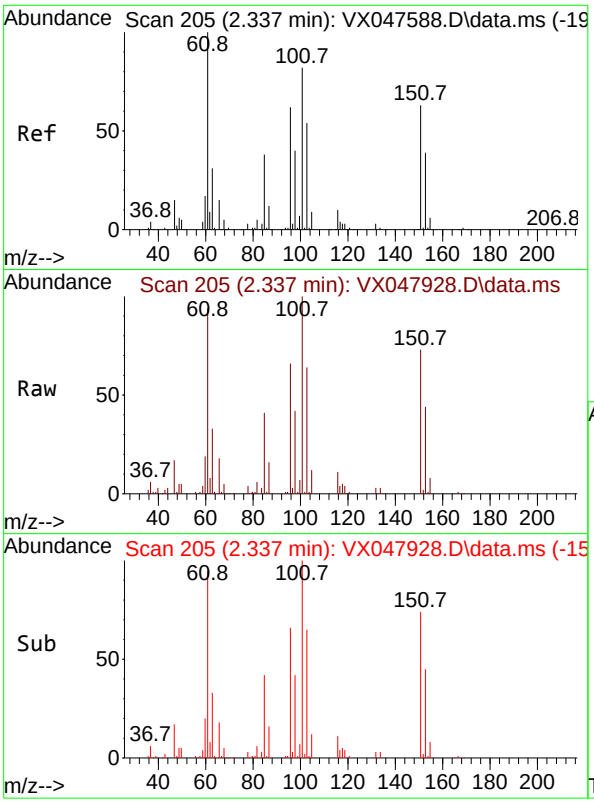


#8
Diethyl Ether
Concen: 19.702 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 74 Resp: 22856

Ion	Ratio	Lower	Upper
74	100		
45	106.4	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.958 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

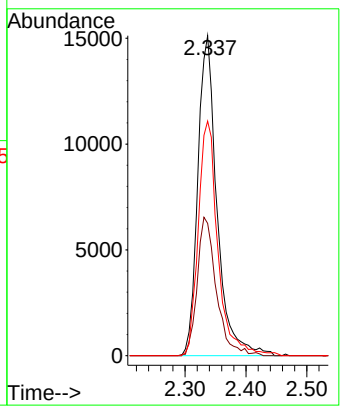
Tgt Ion:101 Resp: 3309

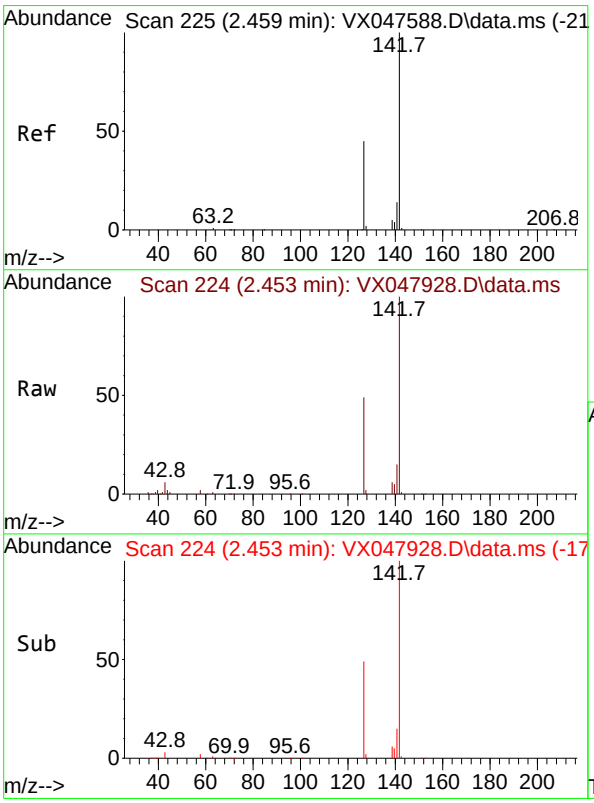
Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	75.0	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

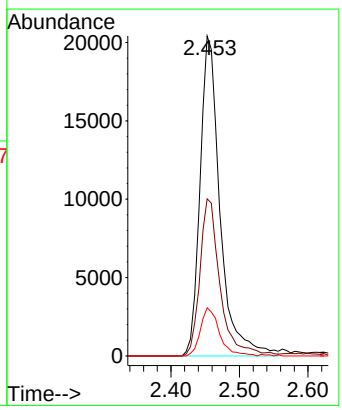


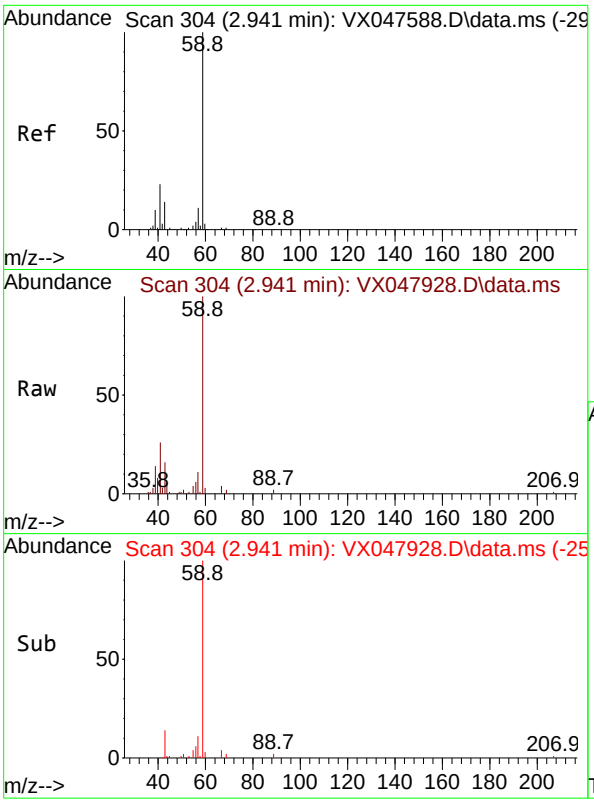


#10
Methyl Iodide
Concen: 16.055 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:142 Resp: 41522

Ion	Ratio	Lower	Upper
142	100		
127	49.5	37.2	55.8
141	14.3	11.4	17.0





#11
Tert butyl alcohol
Concen: 80.154 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 59 Resp: 2037

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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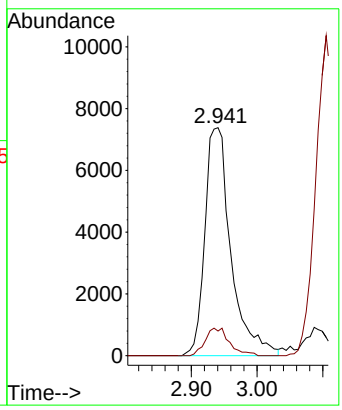
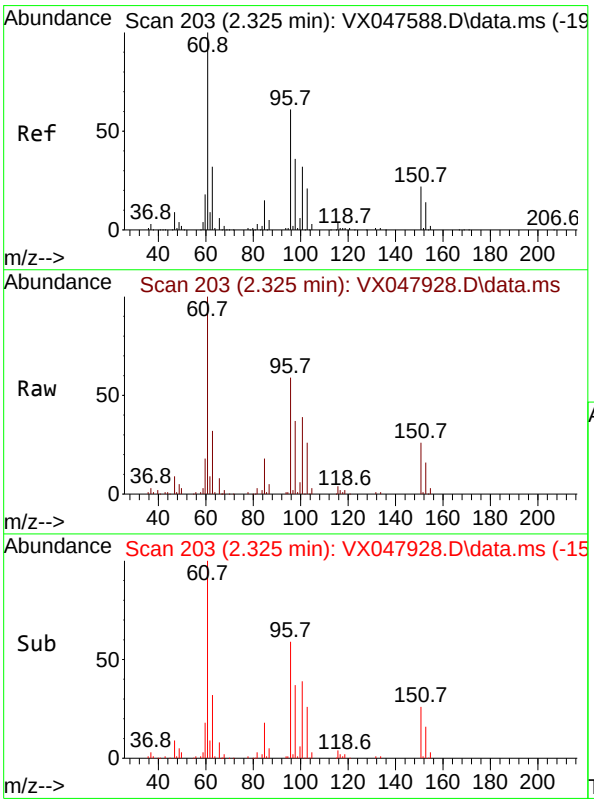
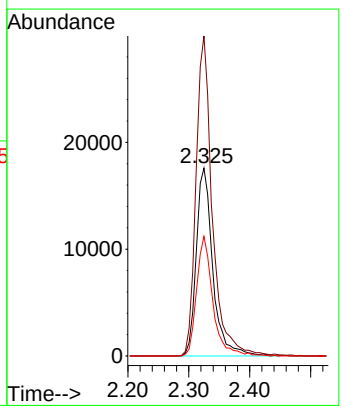


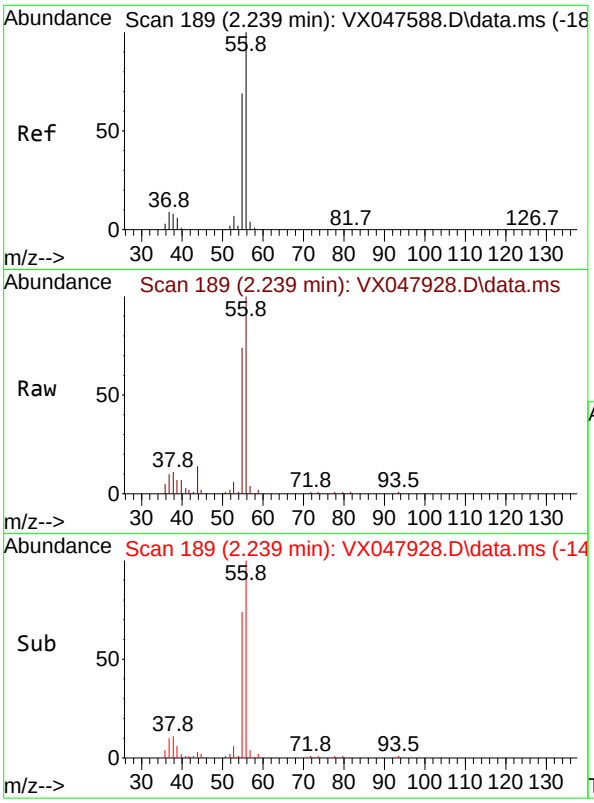


#12
1,1-Dichloroethene
Concen: 19.489 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 96 Resp: 33196

Ion	Ratio	Lower	Upper
96	100		
61	170.4	131.0	196.6
98	63.6	47.7	71.5

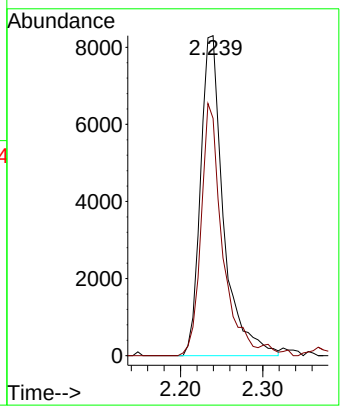




#13
Acrolein
Concen: 68.822 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 56 Resp: 1611

Ion	Ratio	Lower	Upper
56	100		
55	72.4	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
APPROVED

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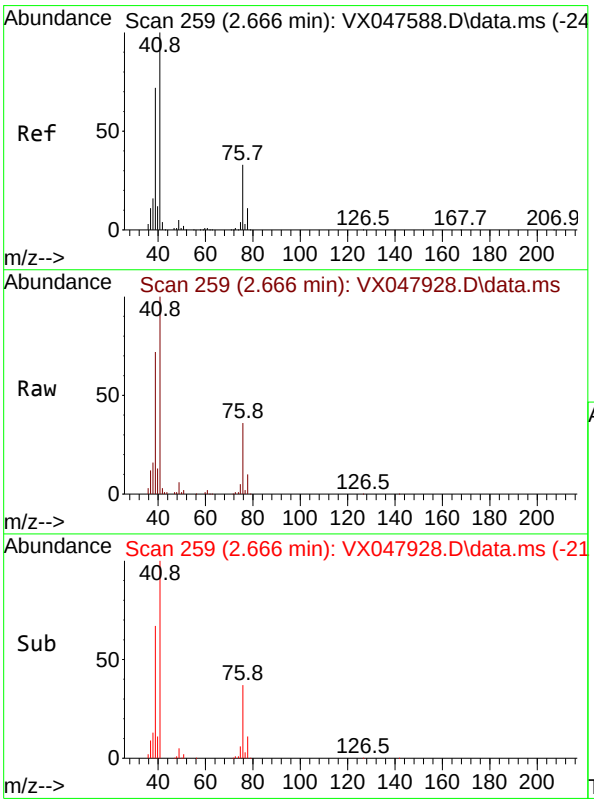
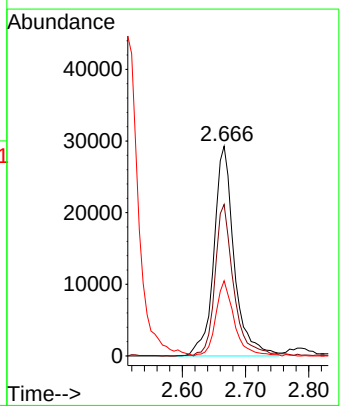
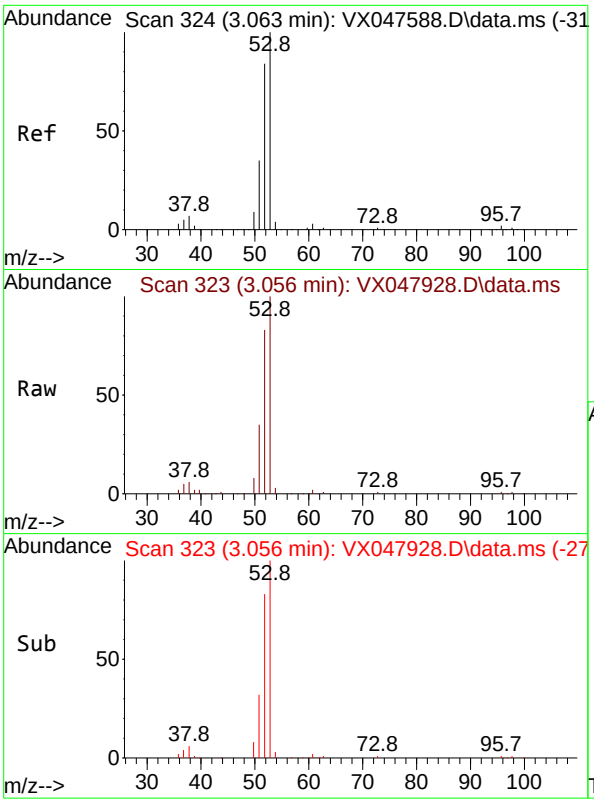


#14
Allyl chloride
Concen: 18.535 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 41 Resp: 65150

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	32.6	25.7	38.5

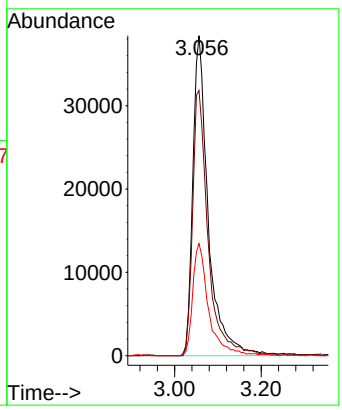




#15
Acrylonitrile
Concen: 101.301 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 53 Resp: 9536

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	35.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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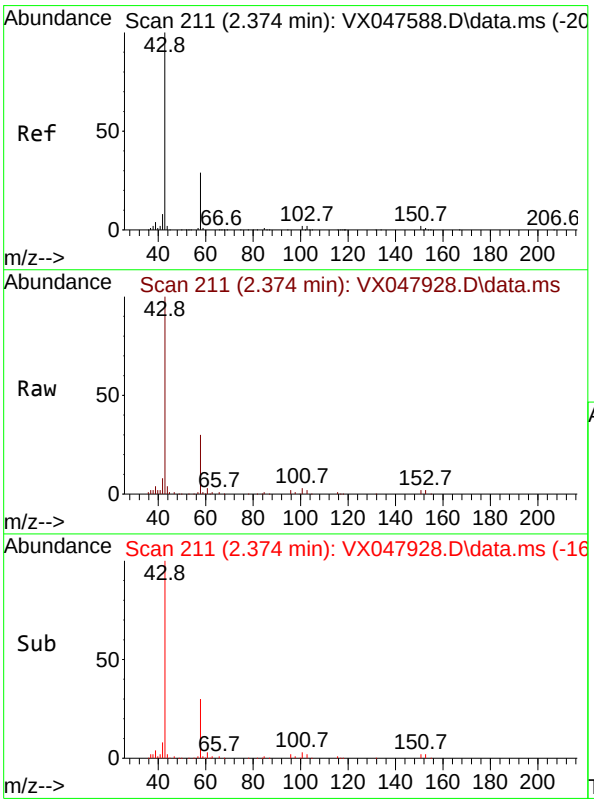
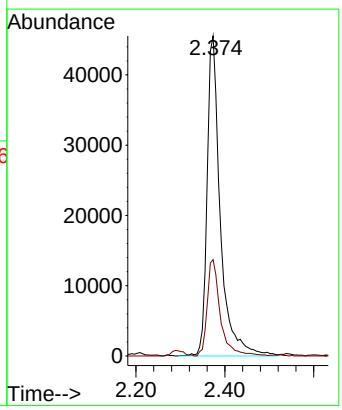
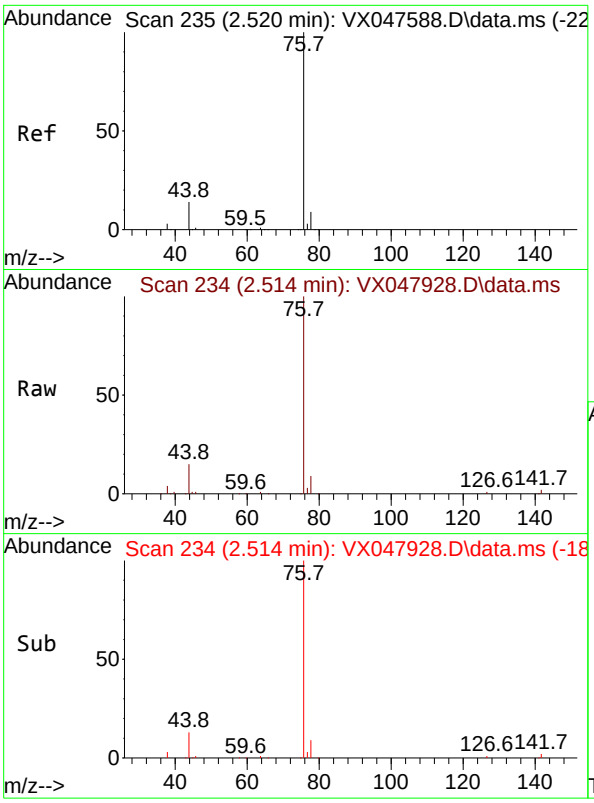


#16
Acetone
Concen: 95.164 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 94426

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

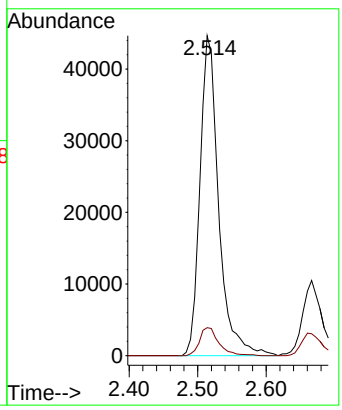




#17
Carbon Disulfide
Concen: 18.213 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 76 Resp: 8493

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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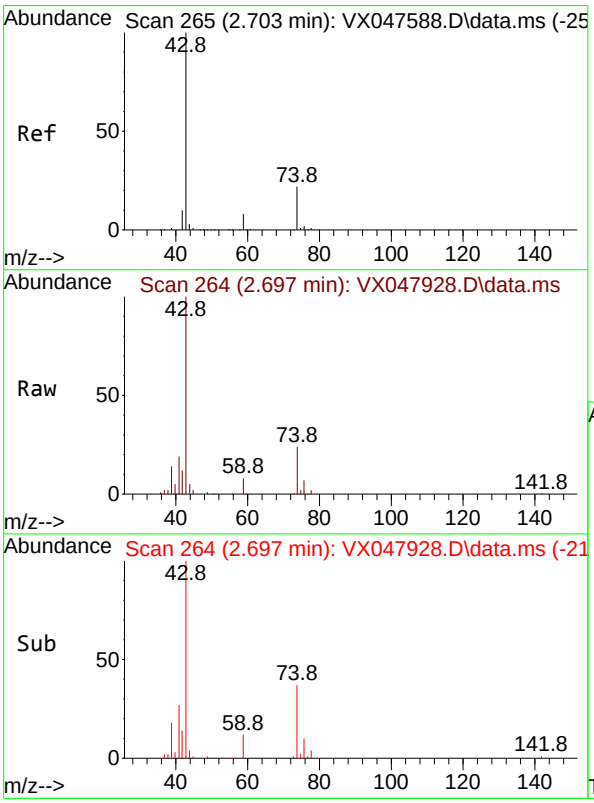
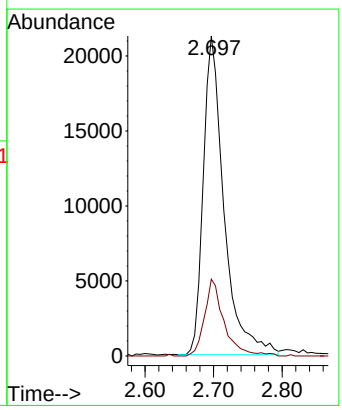
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

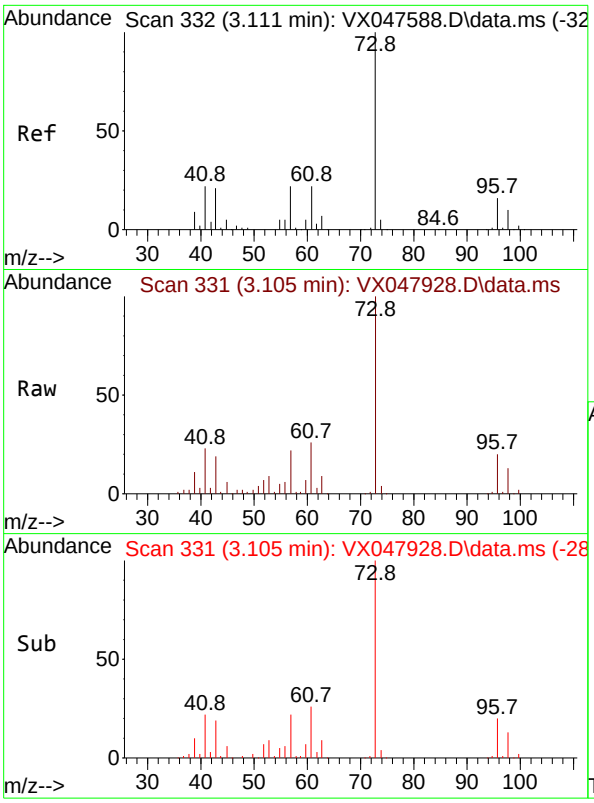


#18
Methyl Acetate
Concen: 20.246 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 44709

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

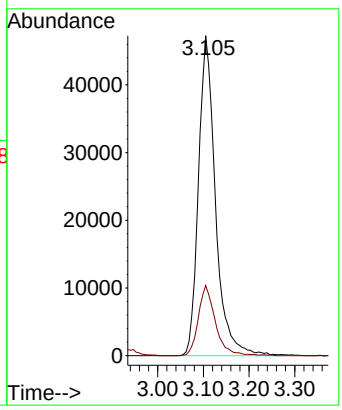




#19
Methyl tert-butyl Ether
Concen: 19.624 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 73 Resp: 12202

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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Reviewed By :John Carlone 10/03/2025
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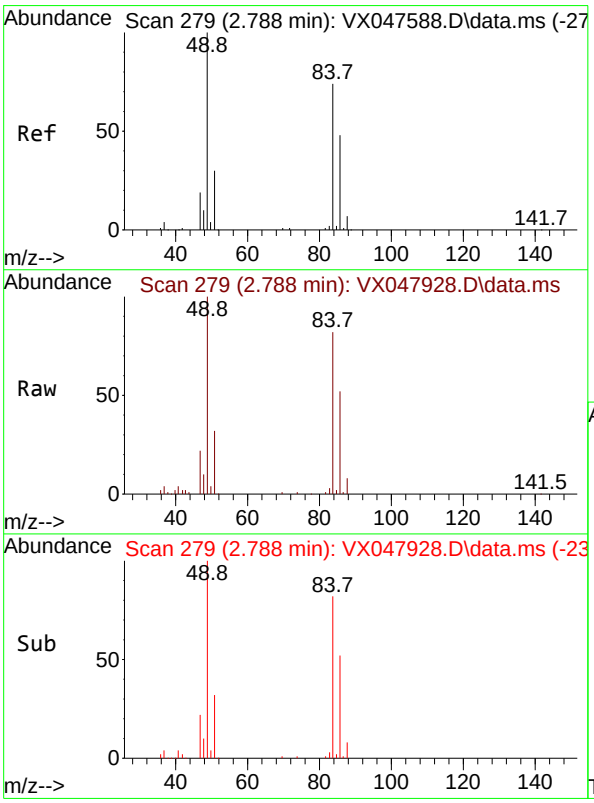
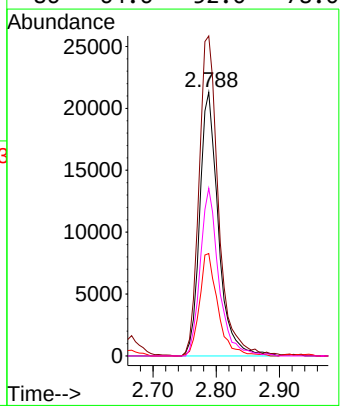
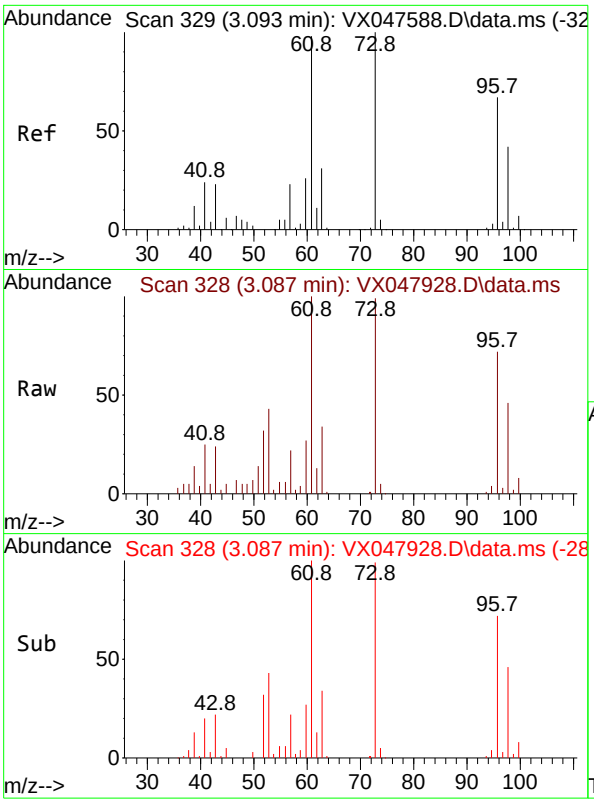


#20
Methylene Chloride
Concen: 20.797 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 84 Resp: 43680

Ion	Ratio	Lower	Upper
84	100		
49	121.3	108.6	162.8
51	38.8	32.6	48.8
86	64.6	52.0	78.0

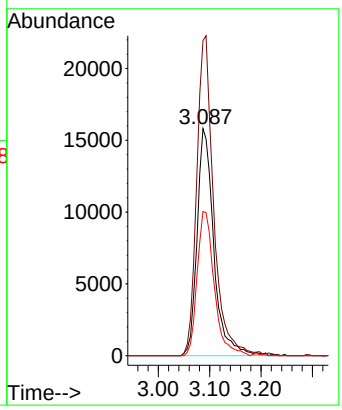




#21
trans-1,2-Dichloroethene
Concen: 19.555 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 96 Resp: 3586

Ion	Ratio	Lower	Upper
96	100		
61	138.8	116.2	174.2
98	63.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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Reviewed By :John Carlone 10/03/2025
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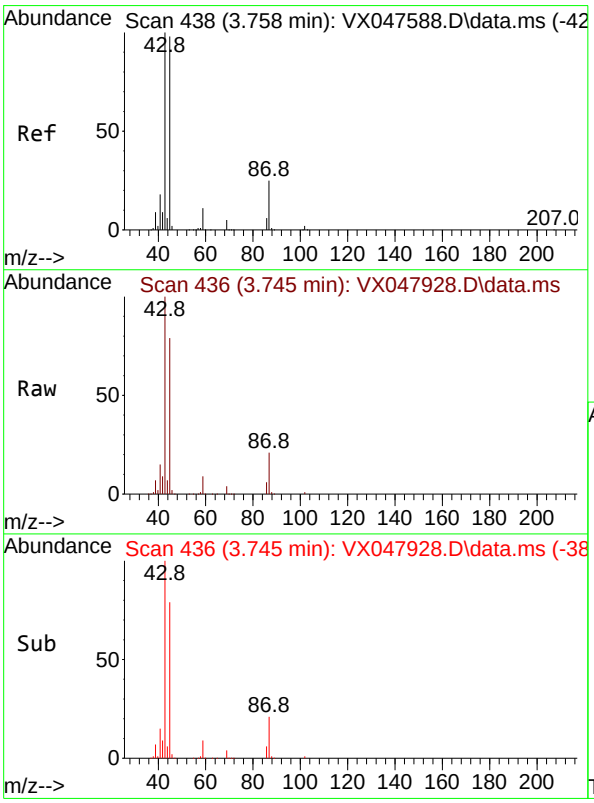
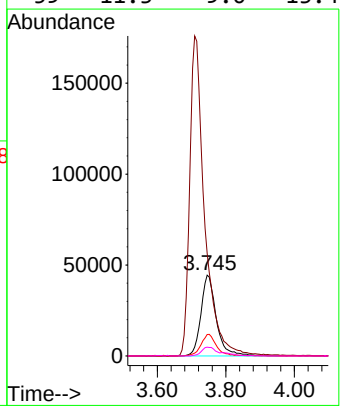
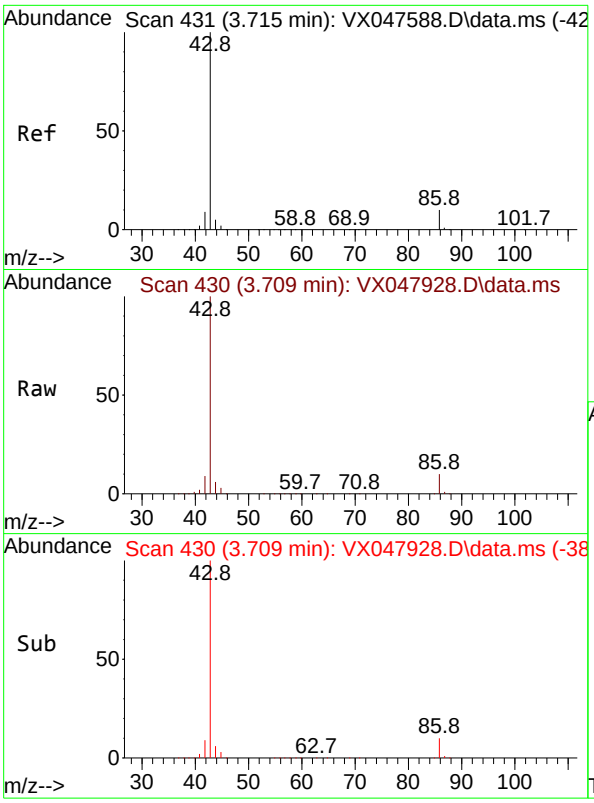


#22
Diisopropyl ether
Concen: 20.383 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 45 Resp: 138849

Ion	Ratio	Lower	Upper
45	100		
43	126.8	81.0	121.4#
87	26.5	20.3	30.5
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 98.011 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 53435

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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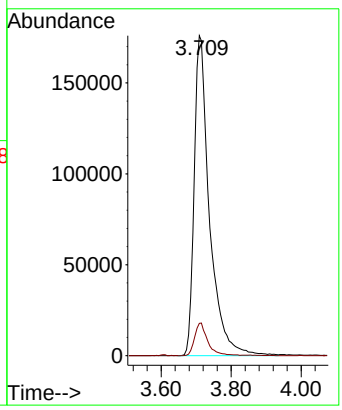
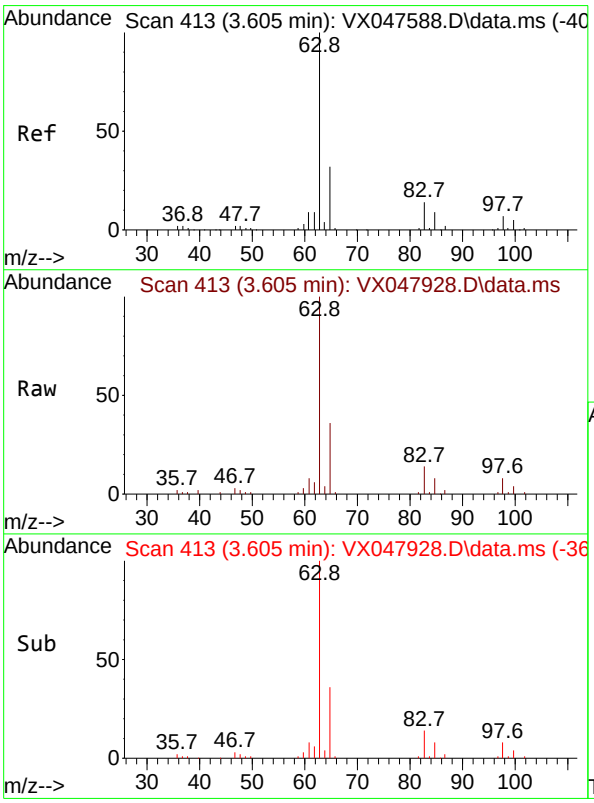
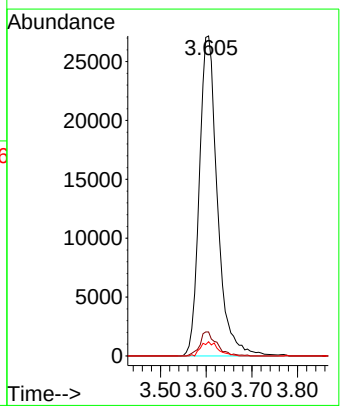


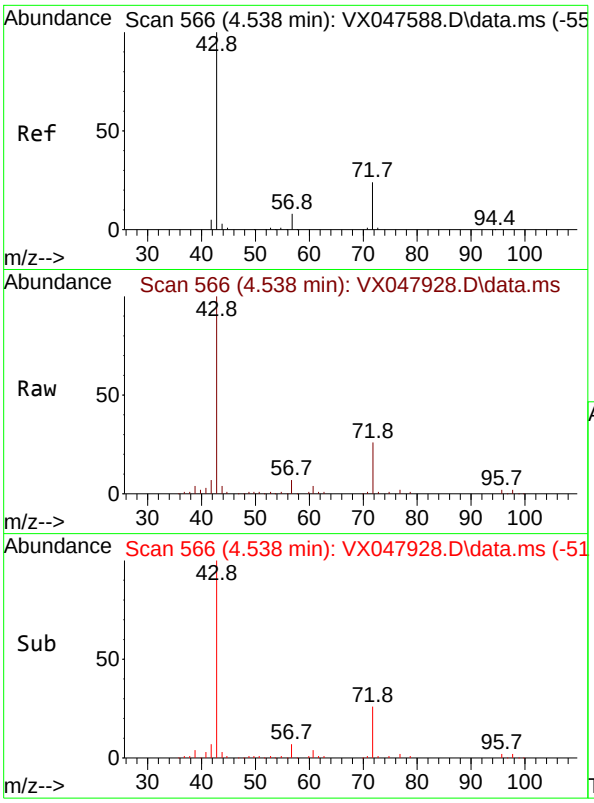


#24
1,1-Dichloroethane
Concen: 20.628 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 63 Resp: 74689

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 95.934 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 11873

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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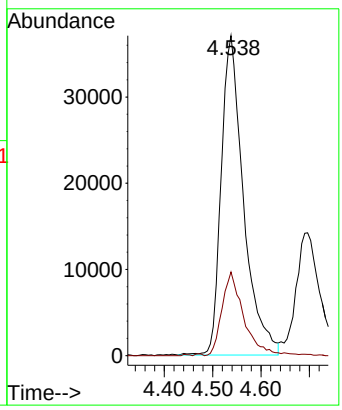
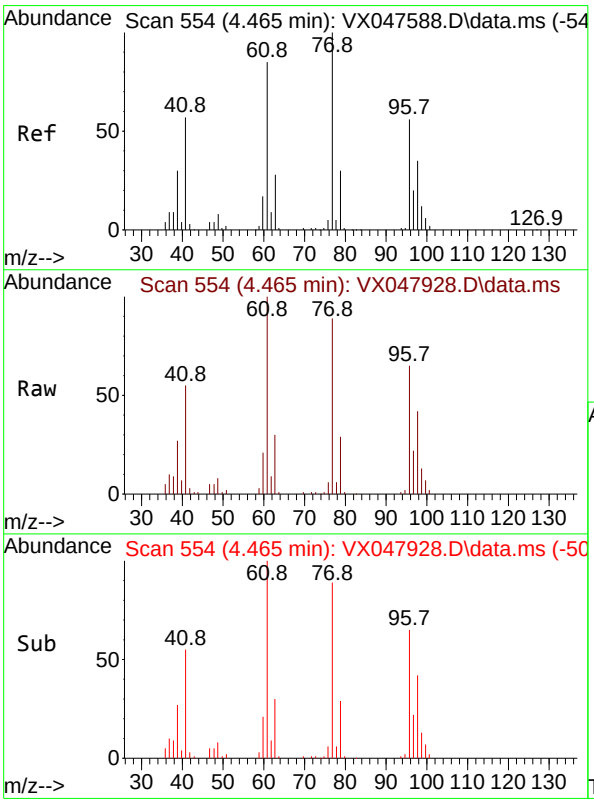
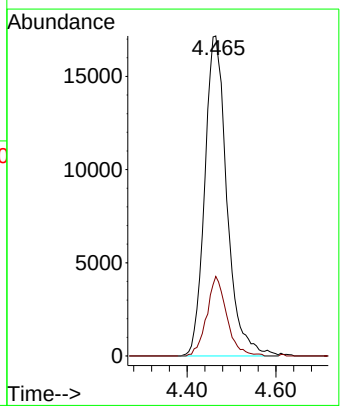


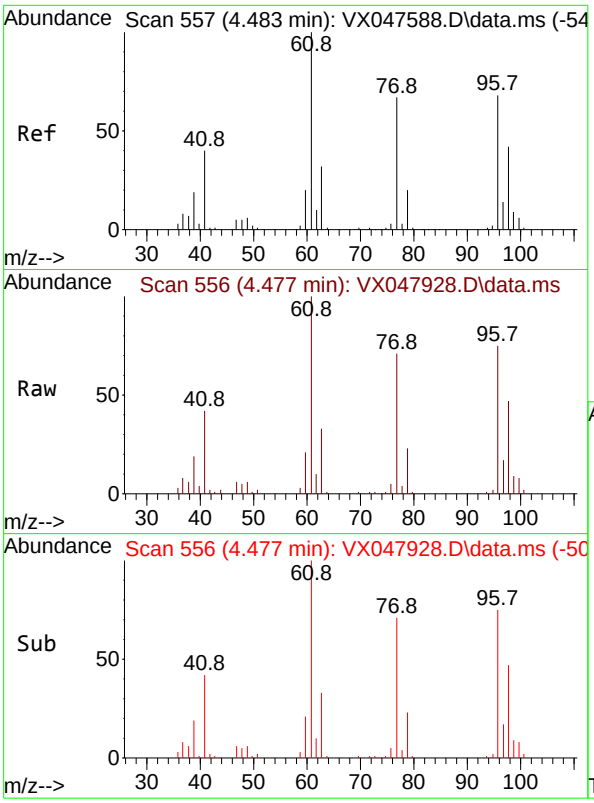


#26
2,2-Dichloropropane
Concen: 19.803 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 77 Resp: 59600

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 20.654 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 96 Resp: 4638

Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	303.2
98	64.0	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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Reviewed By :John Carlone 10/03/2025
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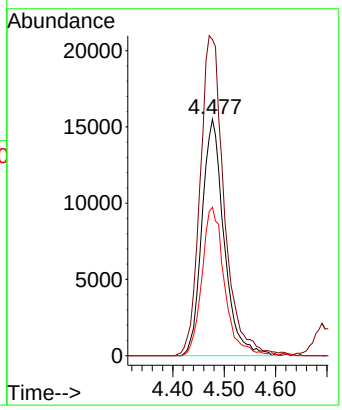
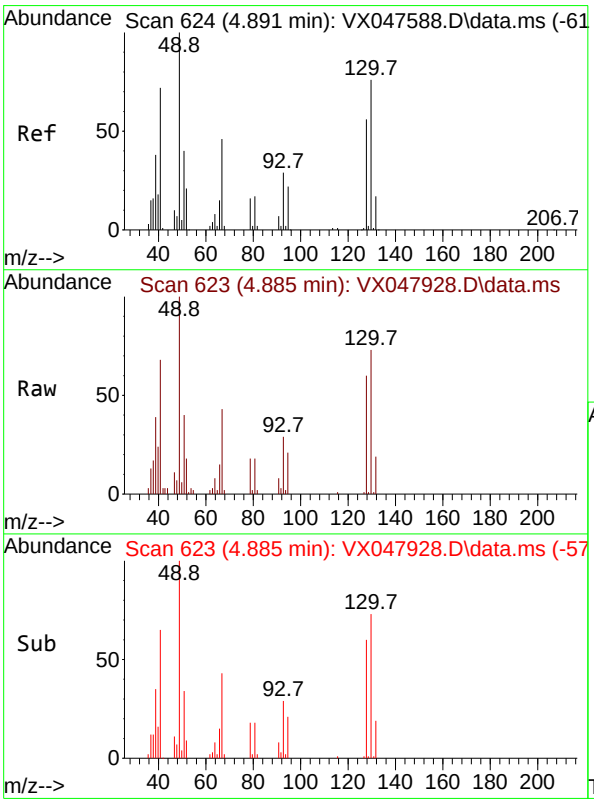
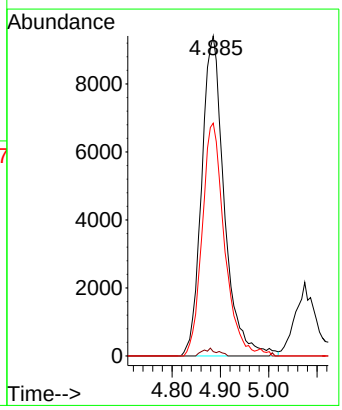


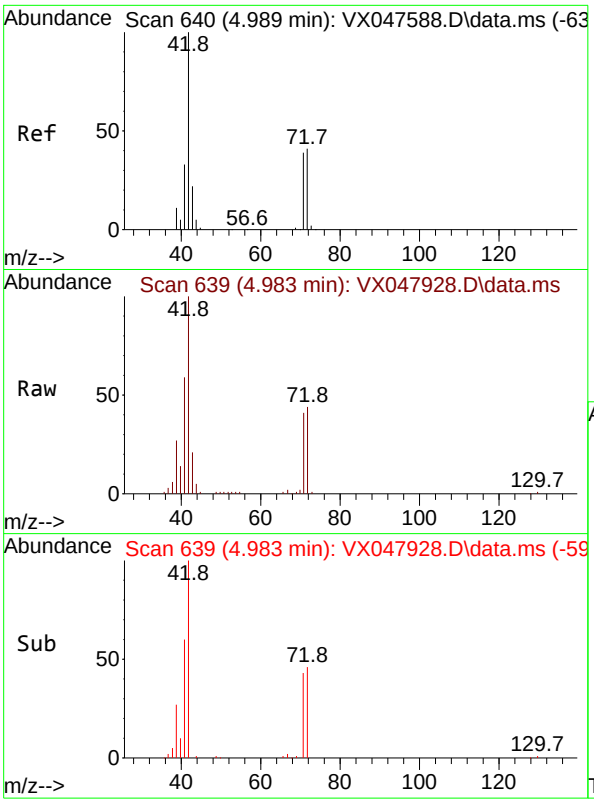


#28
Bromochloromethane
Concen: 19.391 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 49 Resp: 30651

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	71.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 93.988 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 42 Resp: 6998

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	39.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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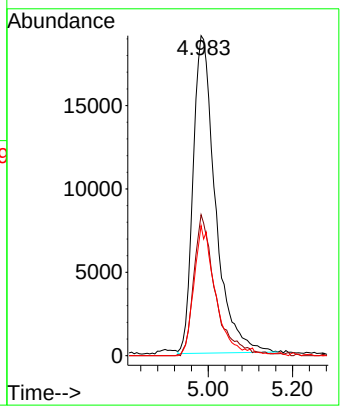
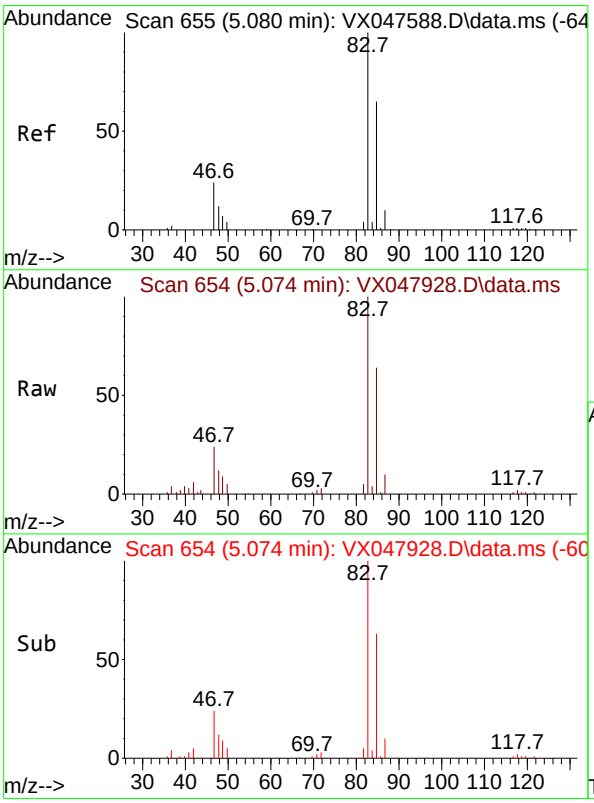
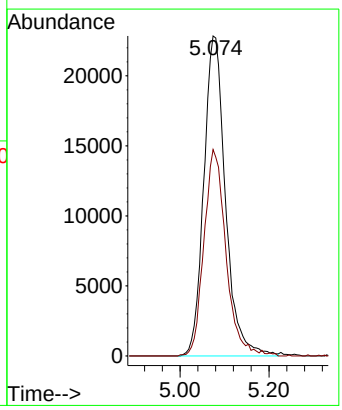


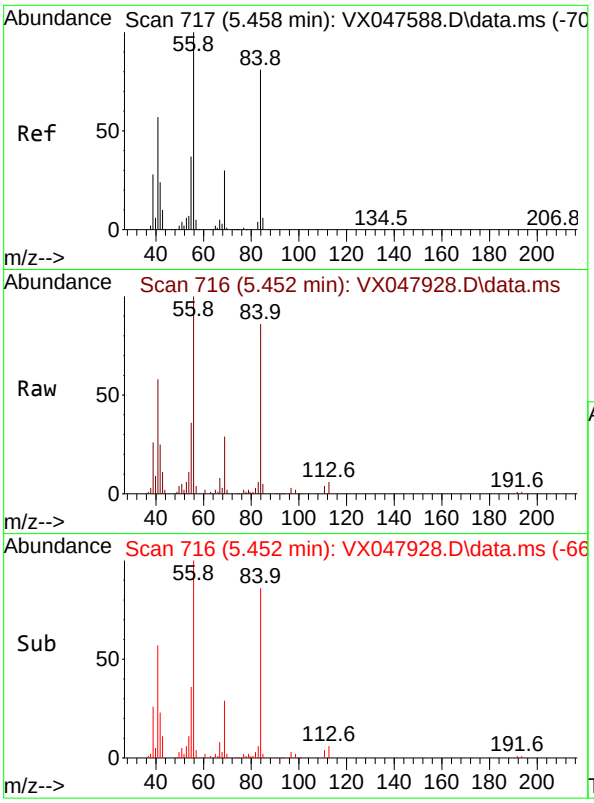


#30
Chloroform
Concen: 21.201 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 83 Resp: 77569

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6

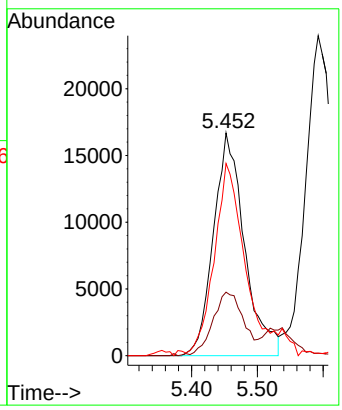




#31
Cyclohexane
Concen: 18.162 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 56 Resp: 5476

Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.8	35.8
84	83.9	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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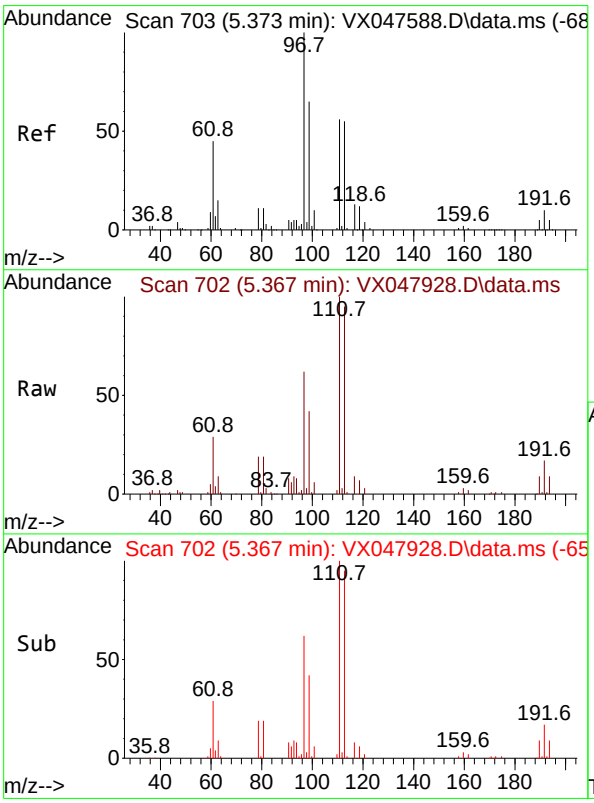
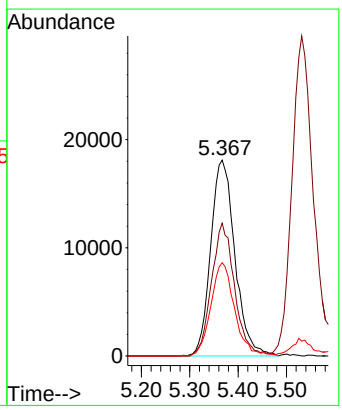
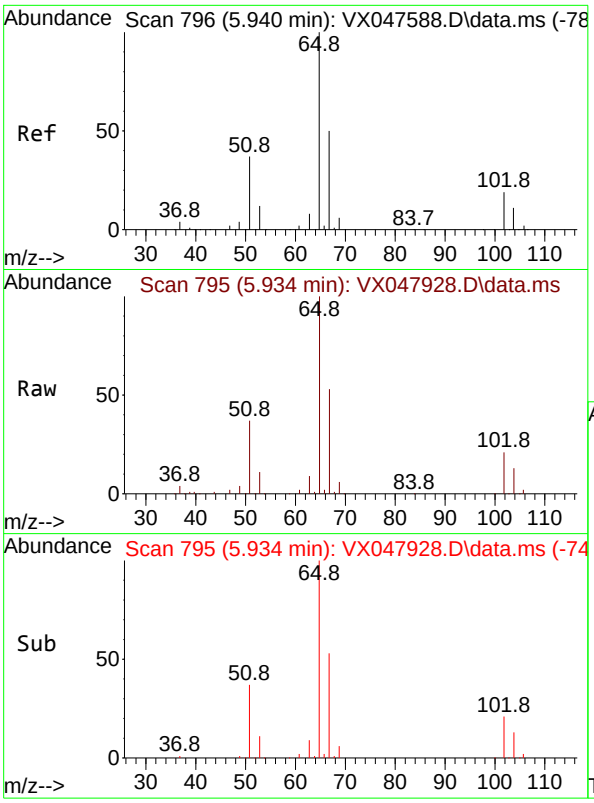


#32
1,1,1-Trichloroethane
Concen: 20.295 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 97 Resp: 62984

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	46.4	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 51.148 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 65 Resp: 11672

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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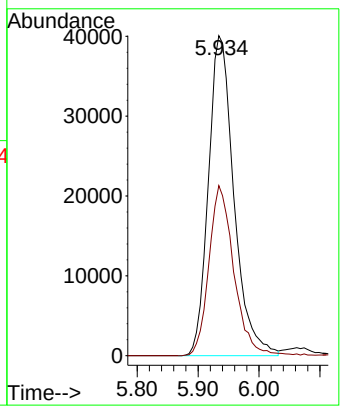
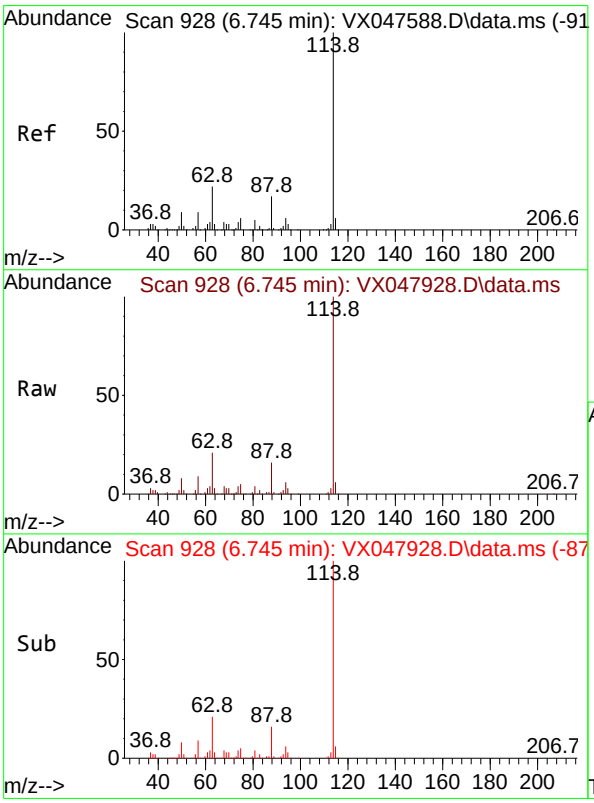
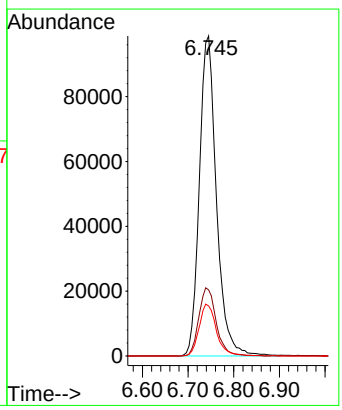


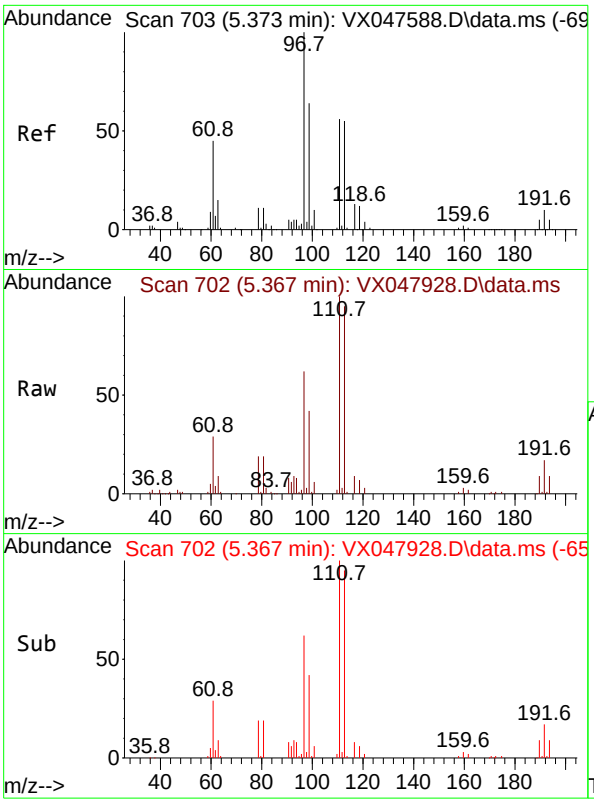


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:114 Resp: 256464

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.7	0.0	34.2

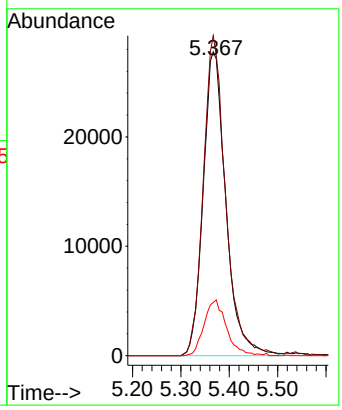




#35
Dibromofluoromethane
Concen: 52.615 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:113 Resp: 9049

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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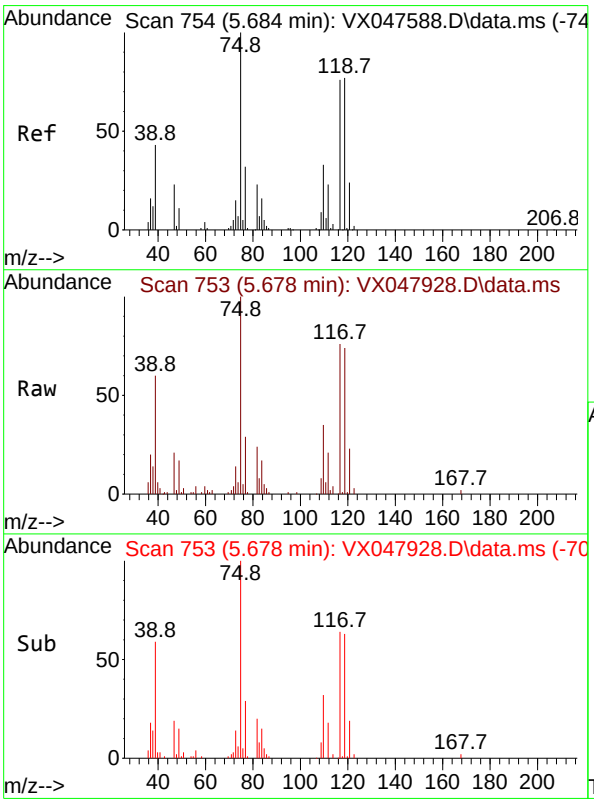
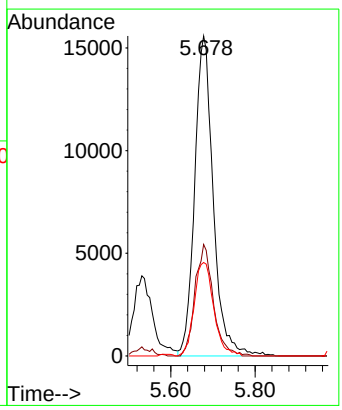
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

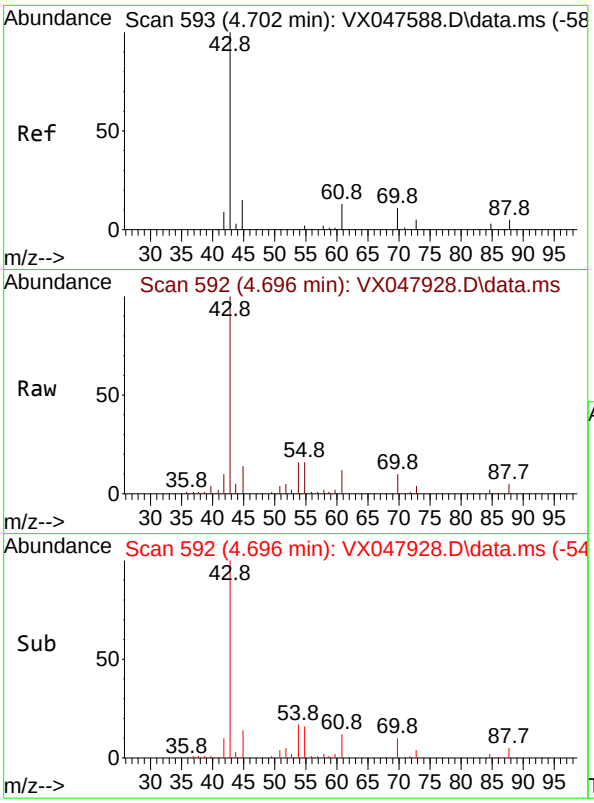


#36
1,1-Dichloropropene
Concen: 19.018 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 47797

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	30.8	24.3	36.5

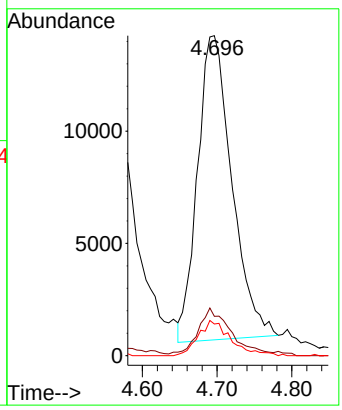




#37
Ethyl Acetate
Concen: 16.113 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 4336

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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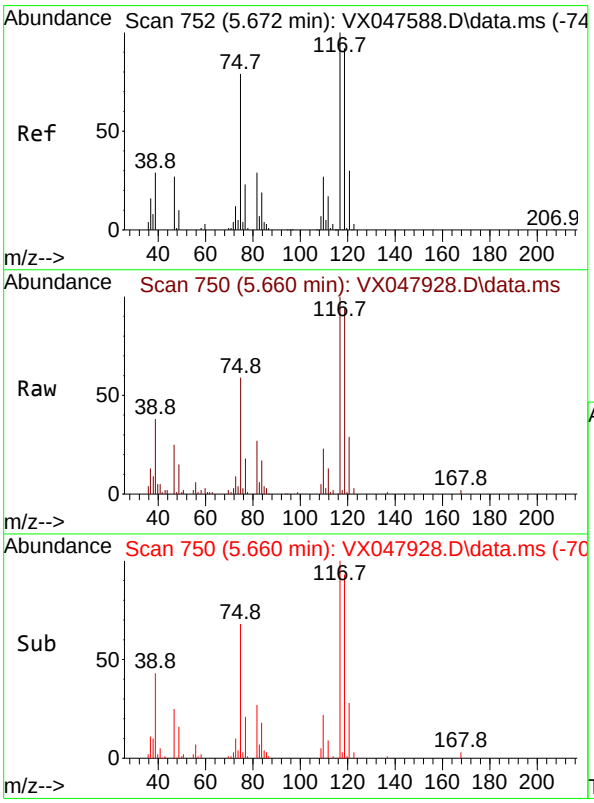
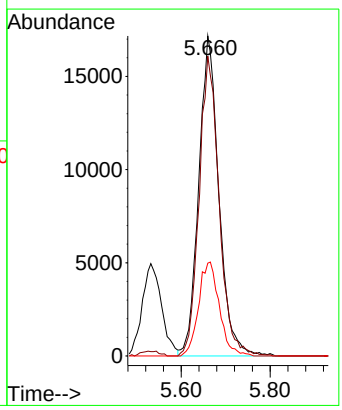
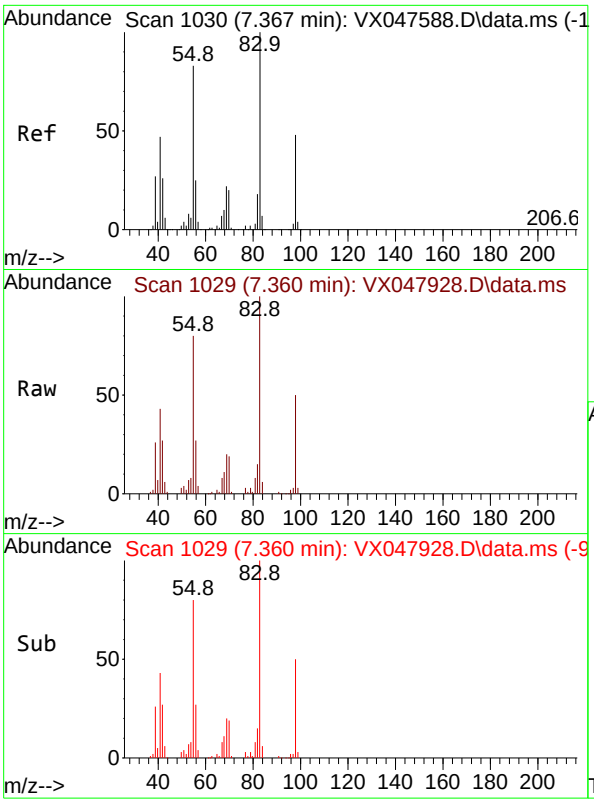


#38
Carbon Tetrachloride
Concen: 19.831 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:117 Resp: 54154

Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.4	110.2
121	29.0	23.8	35.6





#39
Methylcyclohexane
Concen: 17.839 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 83 Resp: 5089

Ion	Ratio	Lower	Upper
83	100		
55	80.3	66.4	99.6
98	49.7	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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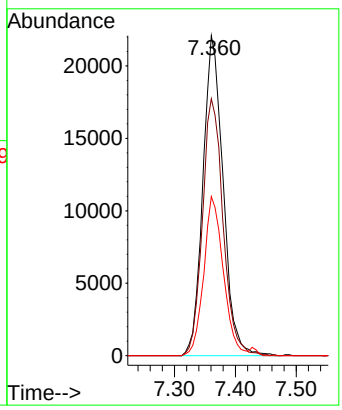
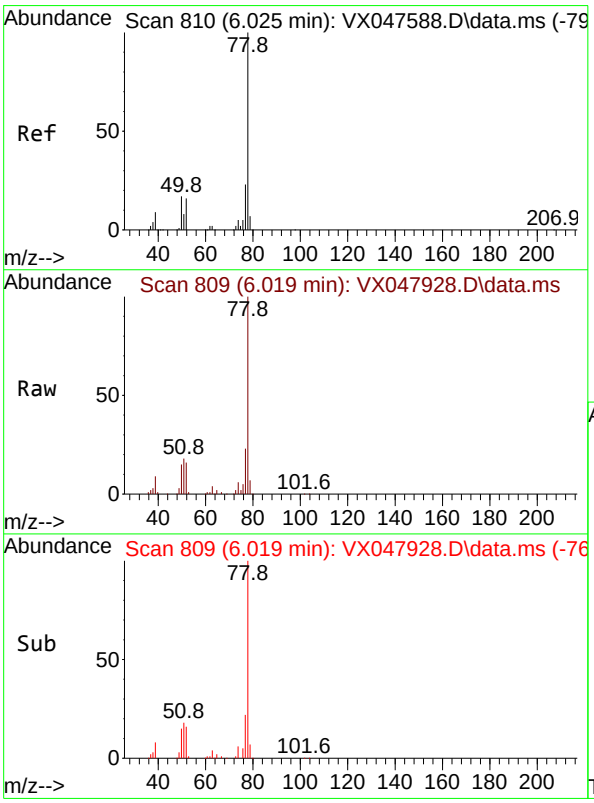
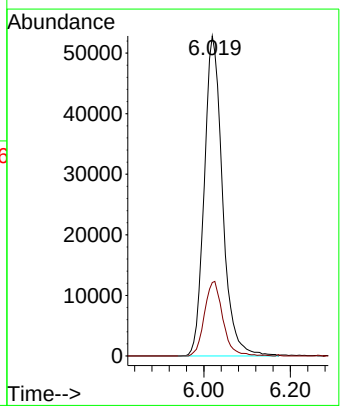


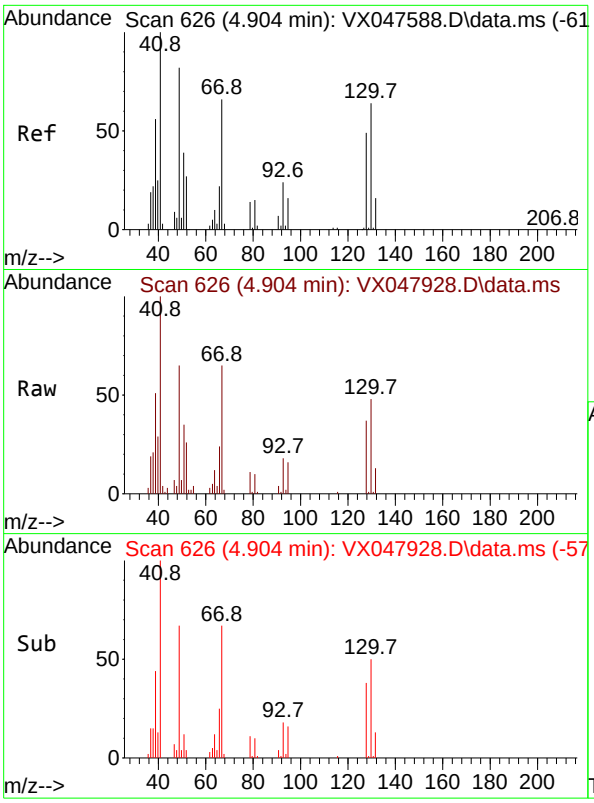


#40
Benzene
Concen: 20.232 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 78 Resp: 154444

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2

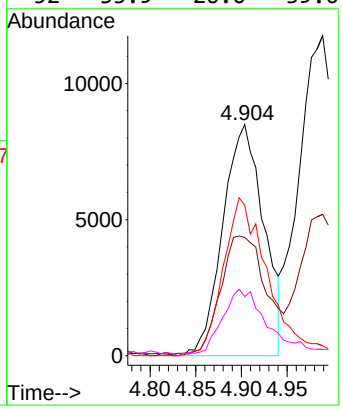




#41
Methacrylonitrile
Concen: 19.053 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 41 Resp: 2646

Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.3	64.9
67	74.8	58.6	87.8
52	33.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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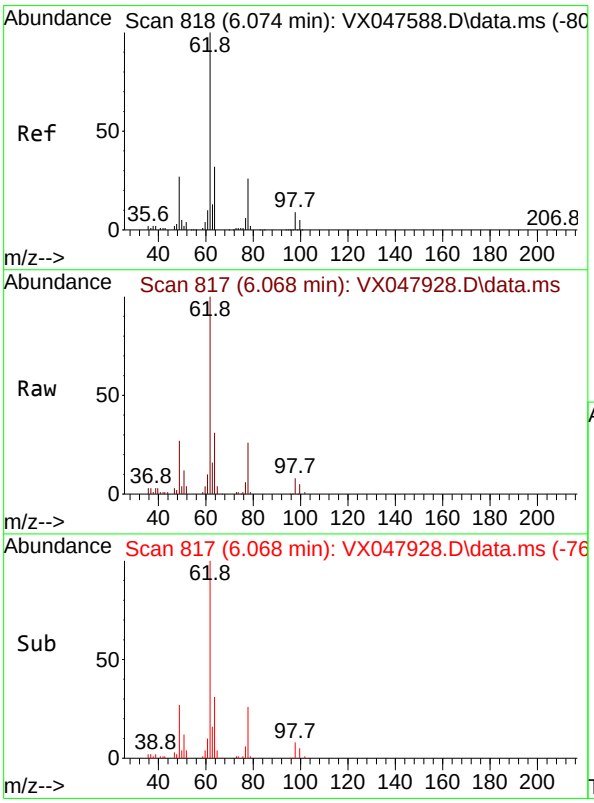
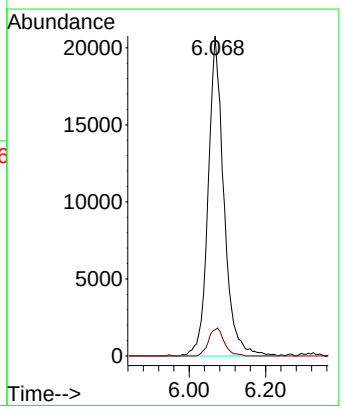
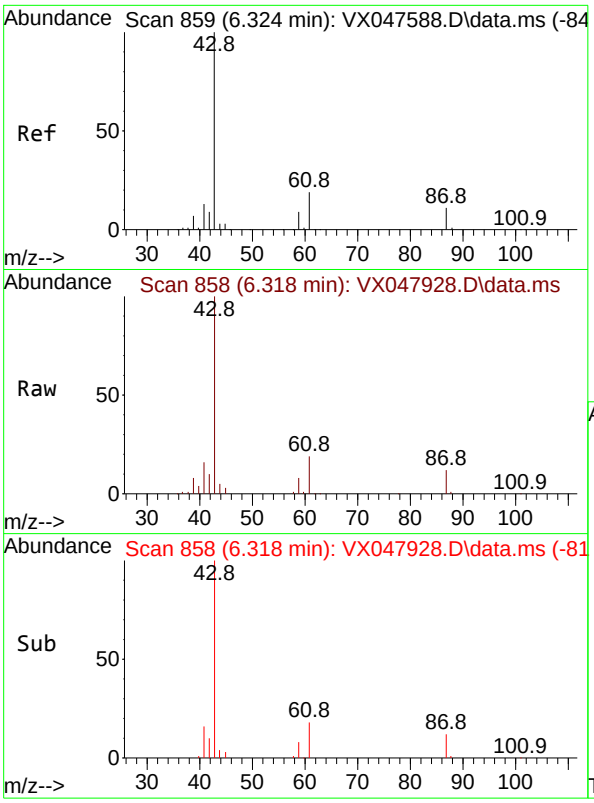


#42
1,2-Dichloroethane
Concen: 20.417 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 62 Resp: 59300

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43
Isopropyl Acetate
Concen: 18.763 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 8281

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.7	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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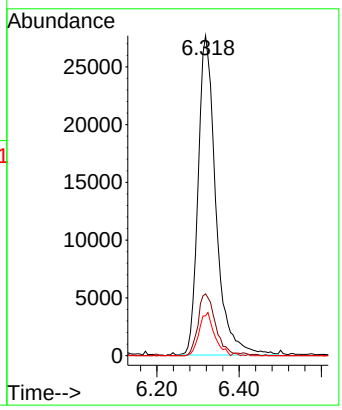
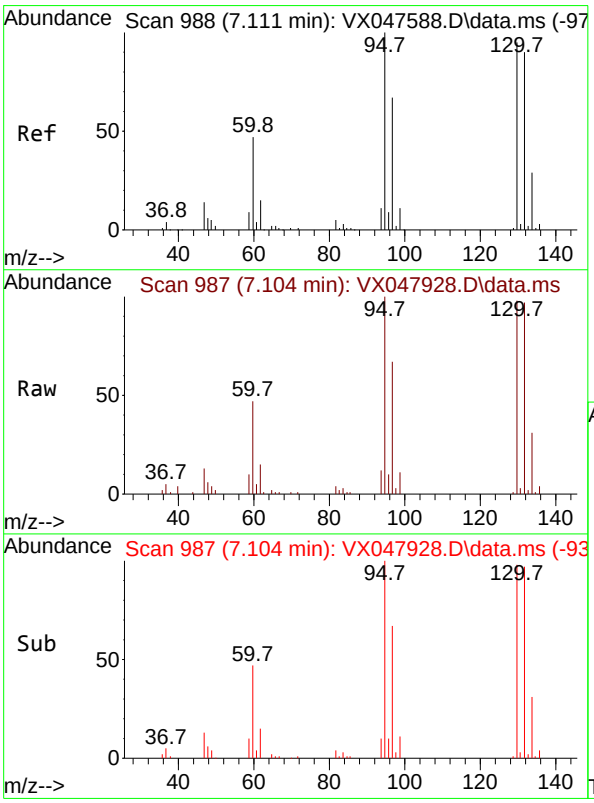
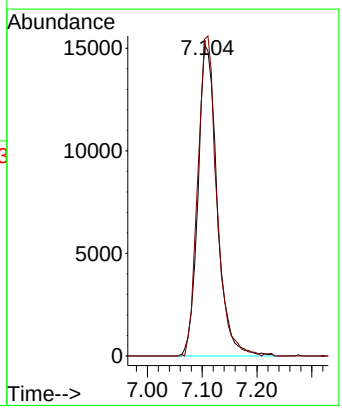


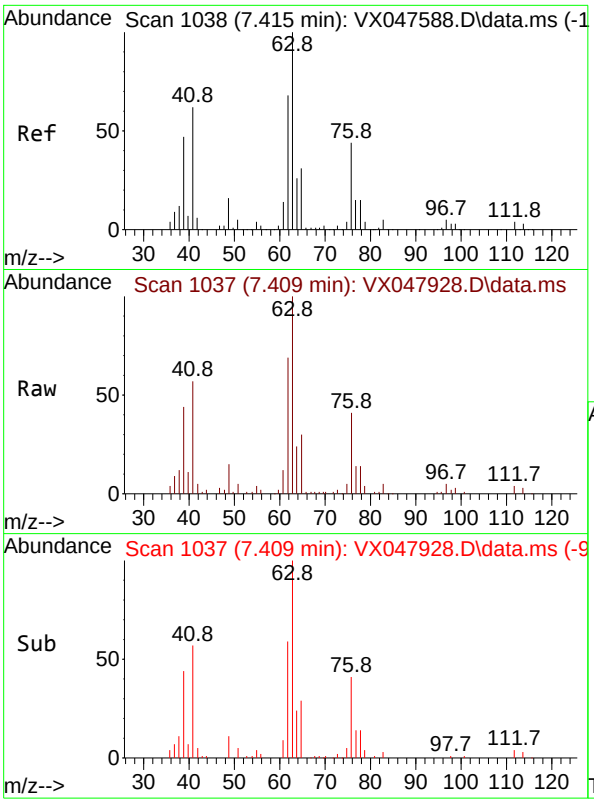


#44
Trichloroethene
Concen: 19.961 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:130 Resp: 36839

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	210.8





#45
1,2-Dichloropropane
Concen: 21.112 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 63 Resp: 4126

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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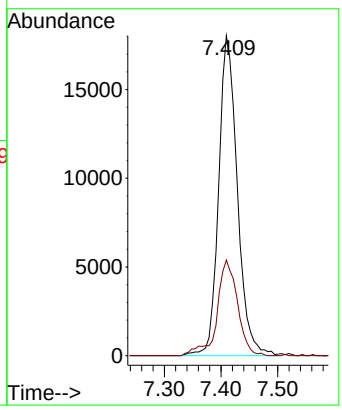
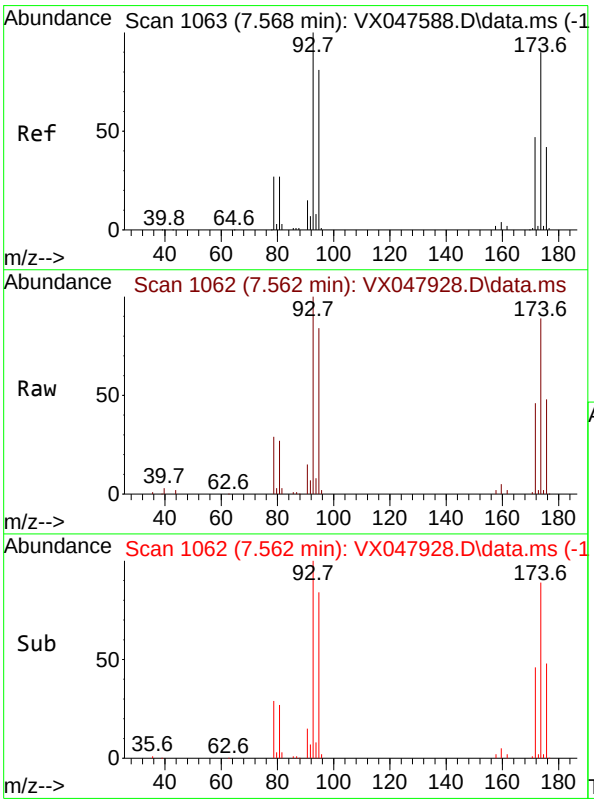
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

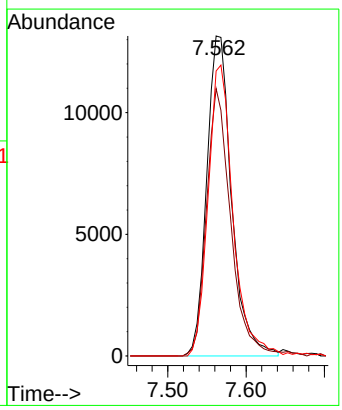


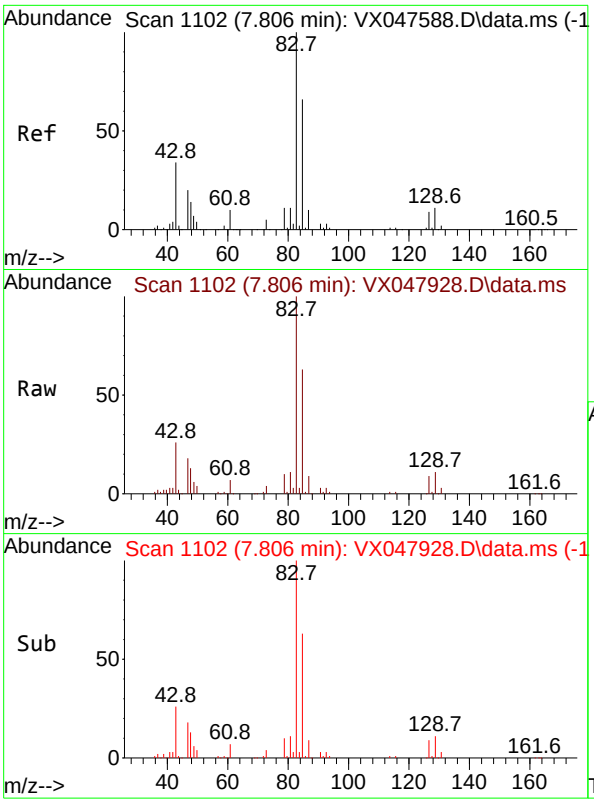


#46
Dibromomethane
Concen: 20.410 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 93 Resp: 29032

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.0	97.6
174	91.3	71.6	107.4

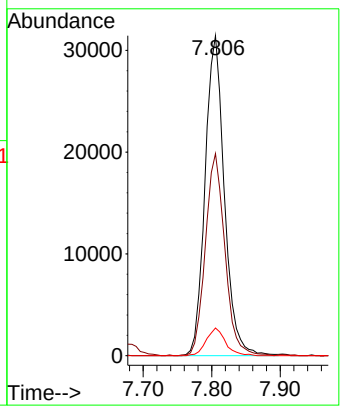




#47
Bromodichloromethane
Concen: 20.982 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 83 Resp: 6158

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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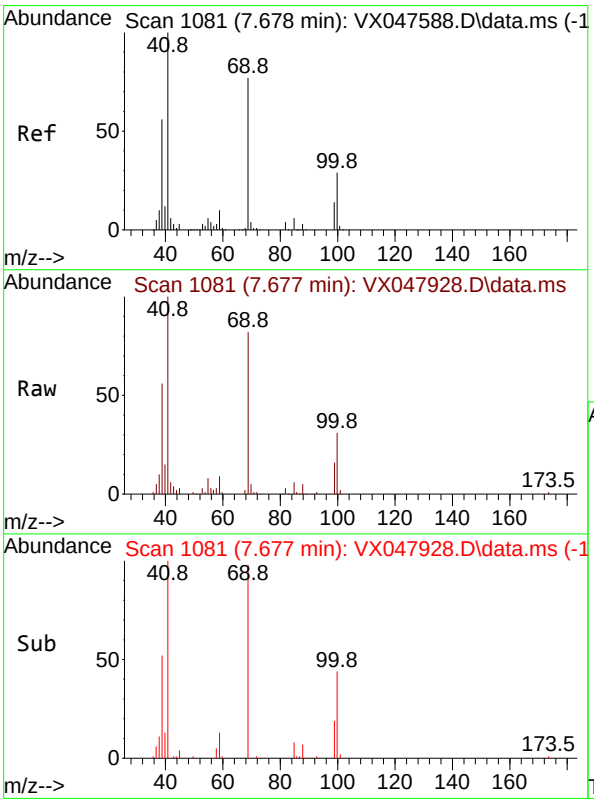
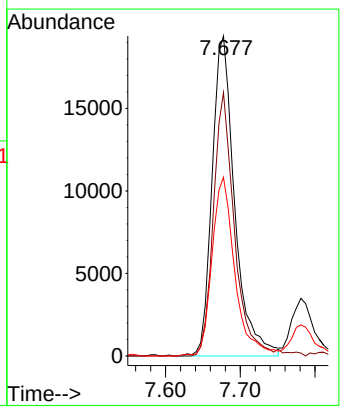
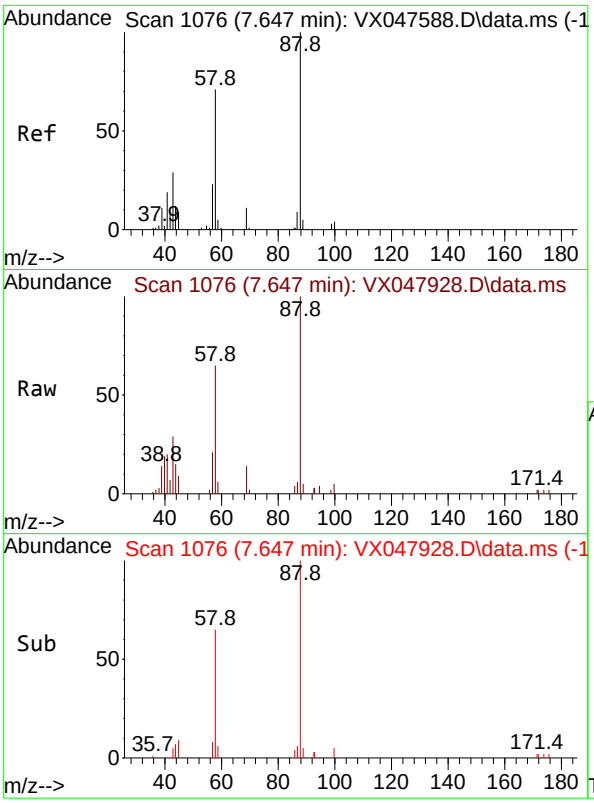


#48
Methyl methacrylate
Concen: 18.534 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 41 Resp: 40745

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	56.3	45.8	68.6

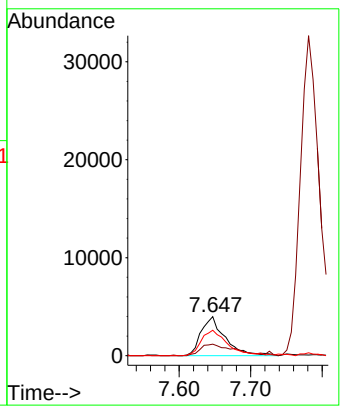




#49
1,4-Dioxane
Concen: 419.406 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 88 Resp: 931

Ion	Ratio	Lower	Upper
88	100		
43	40.1	30.2	45.2
58	71.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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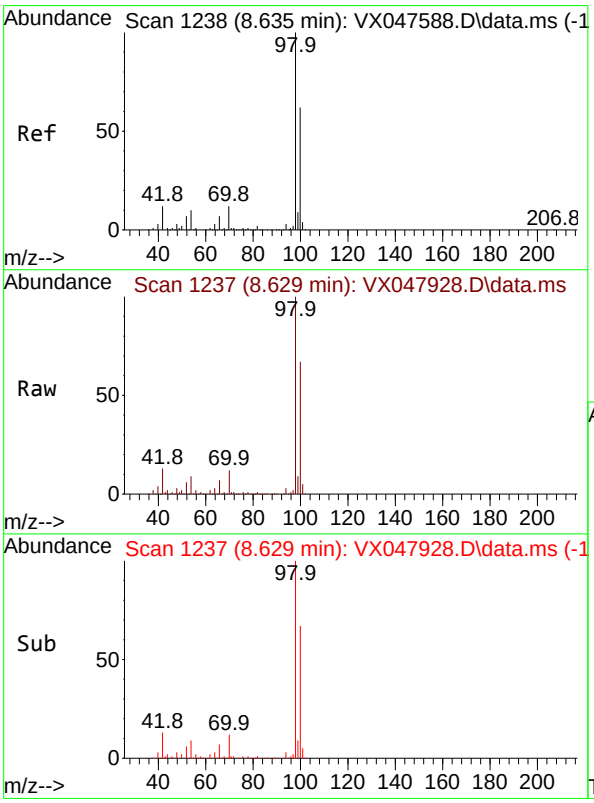
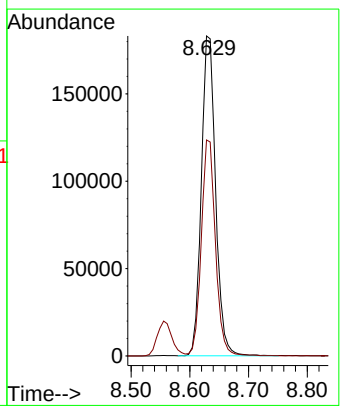
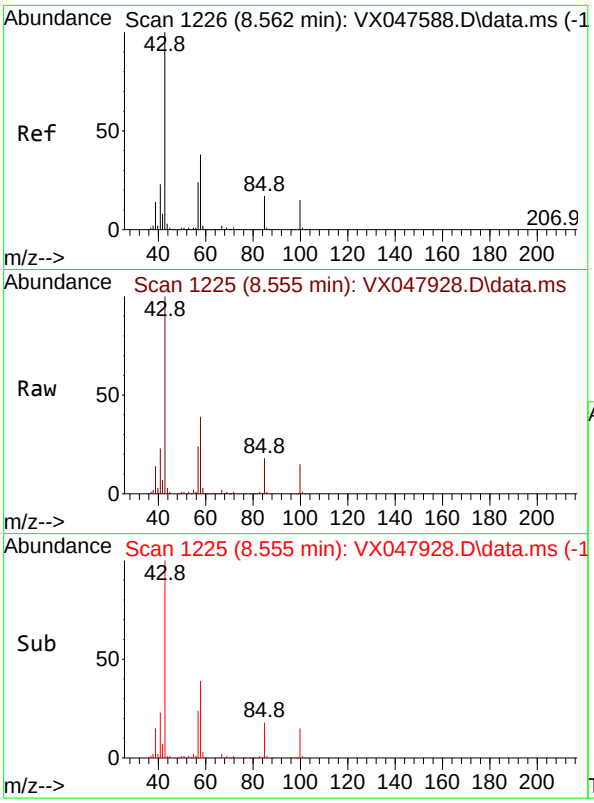


#50
Toluene-d8
Concen: 51.911 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 98 Resp: 308951

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 99.924 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 24451

Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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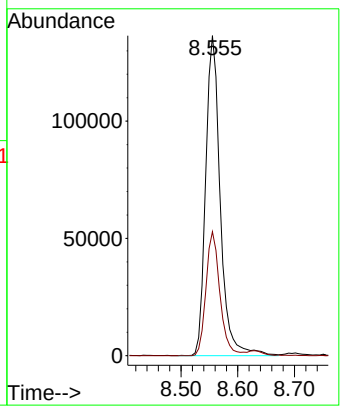
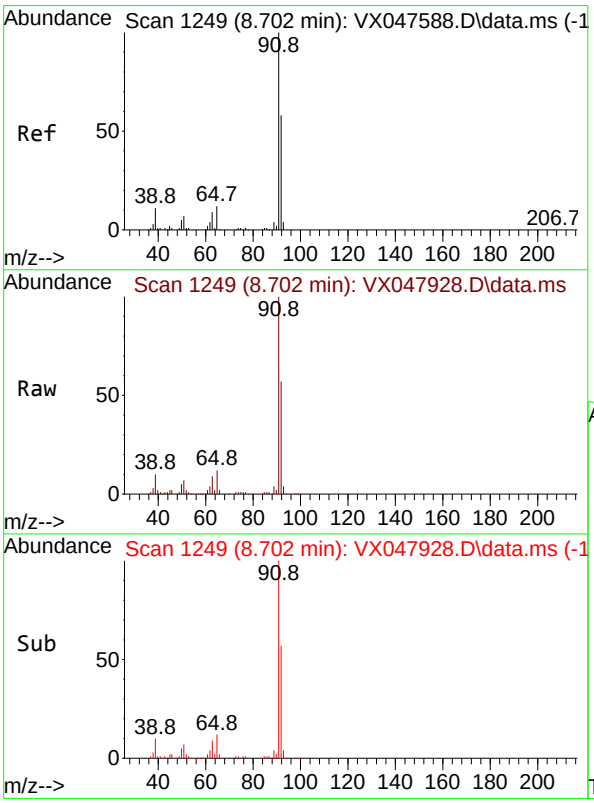
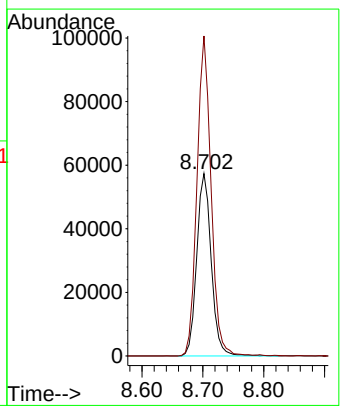


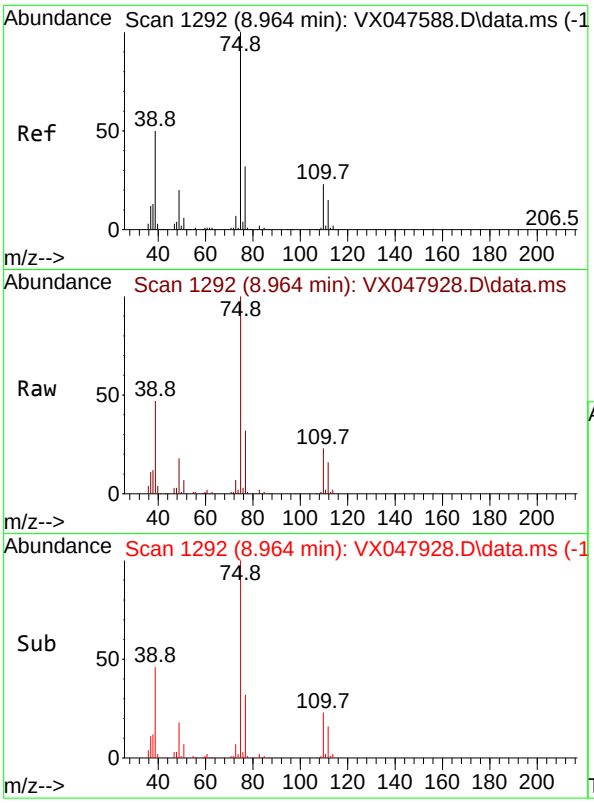


#52
Toluene
Concen: 20.144 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 92 Resp: 94738

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.1	205.7

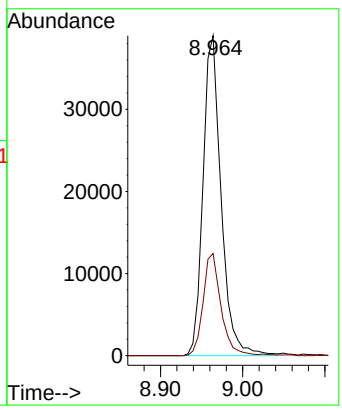




#53
t-1,3-Dichloropropene
Concen: 19.892 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 5955

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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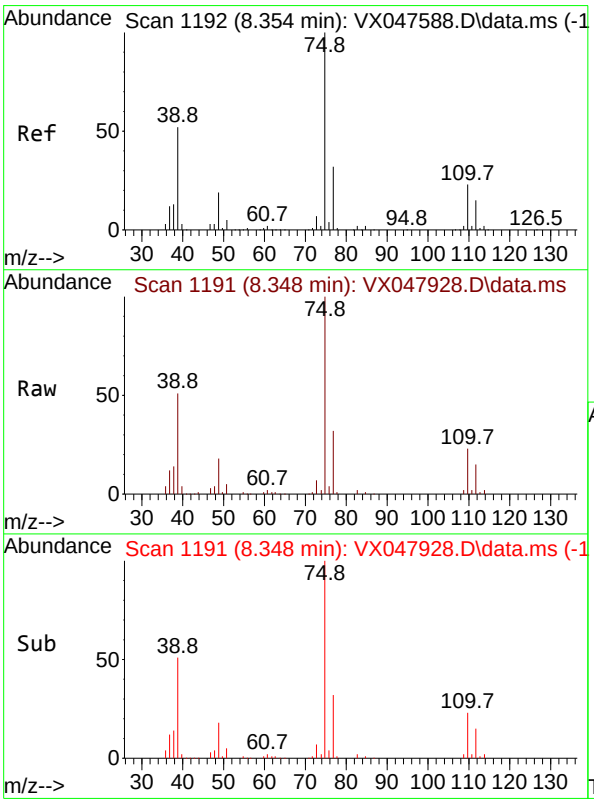
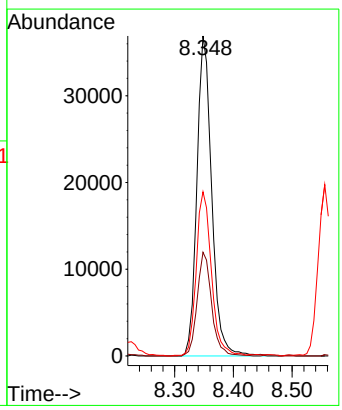
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

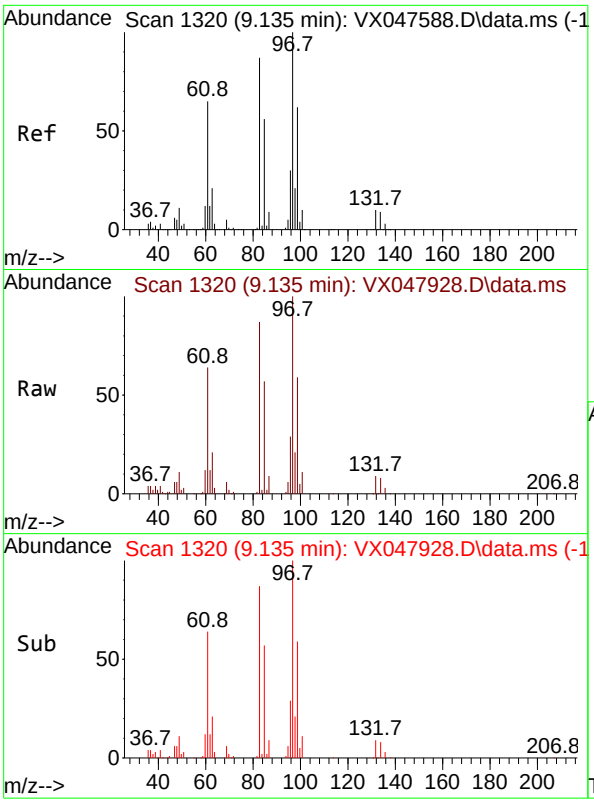


#54
cis-1,3-Dichloropropene
Concen: 20.173 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 64556

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	51.1	41.4	62.2

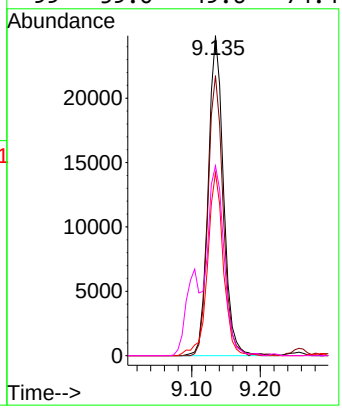




#55
1,1,2-Trichloroethane
Concen: 21.372 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 97 Resp: 3875

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.6	104.4
85	57.2	45.0	67.6
99	59.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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Reviewed By :John Carlone 10/03/2025
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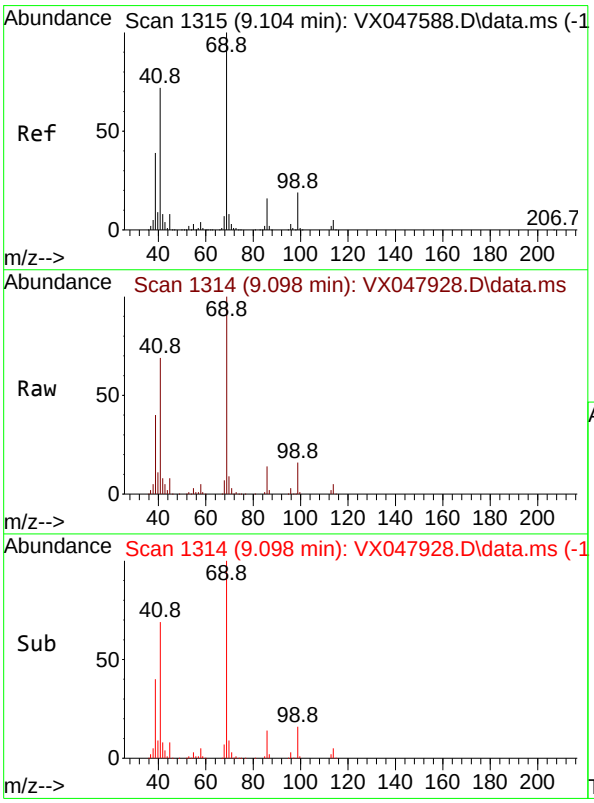
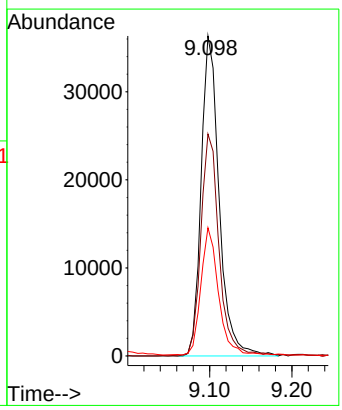
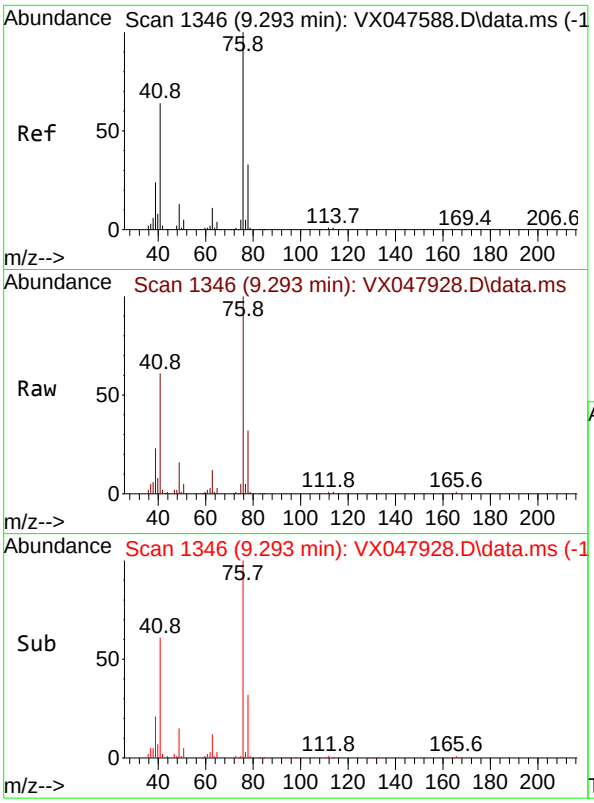


#56
Ethyl methacrylate
Concen: 19.383 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 69 Resp: 55203

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.8	31.5	47.3





#57
1,3-Dichloropropane
Concen: 21.069 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 76 Resp: 6563

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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Reviewed By :John Carlone 10/03/2025
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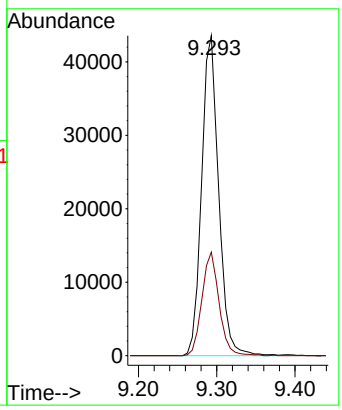
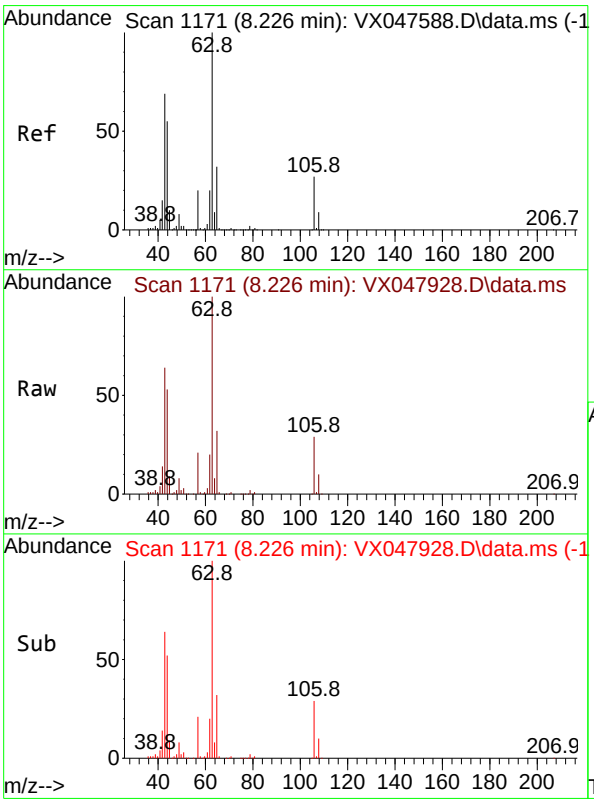
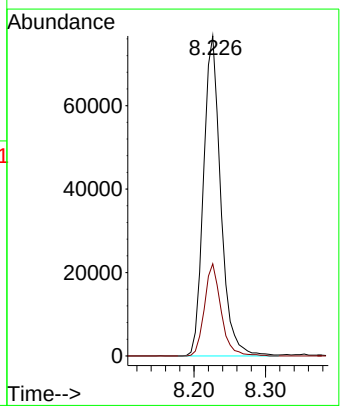


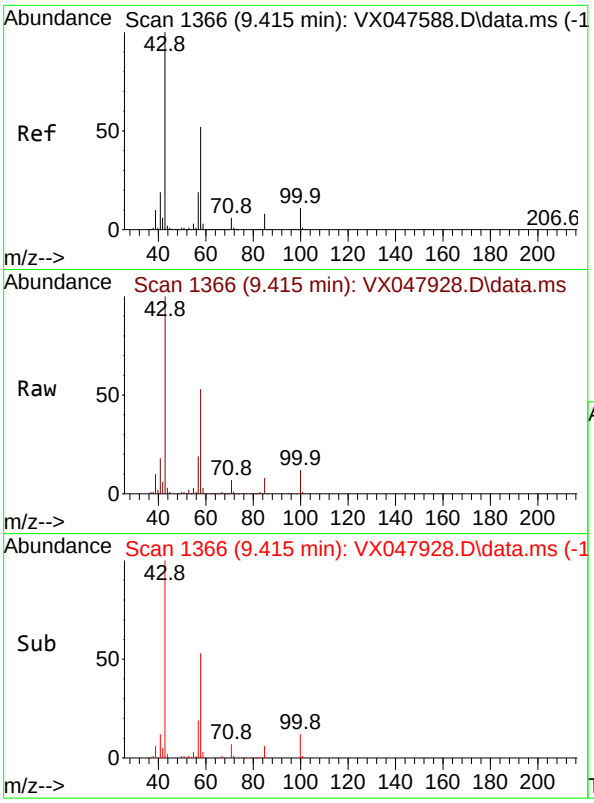


#58
2-Chloroethyl Vinyl ether
Concen: 101.513 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 63 Resp: 128537

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59
2-Hexanone
Concen: 96.790 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 17010

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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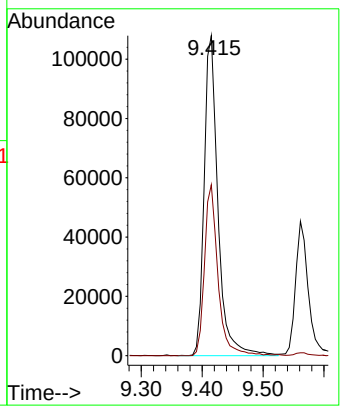
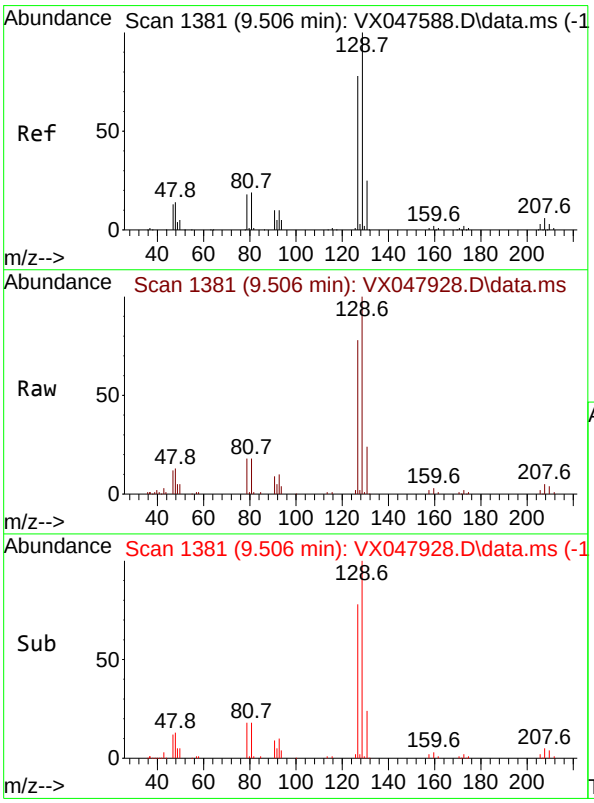
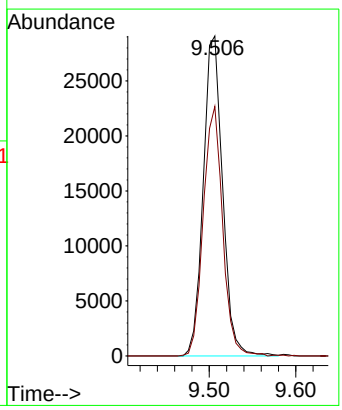


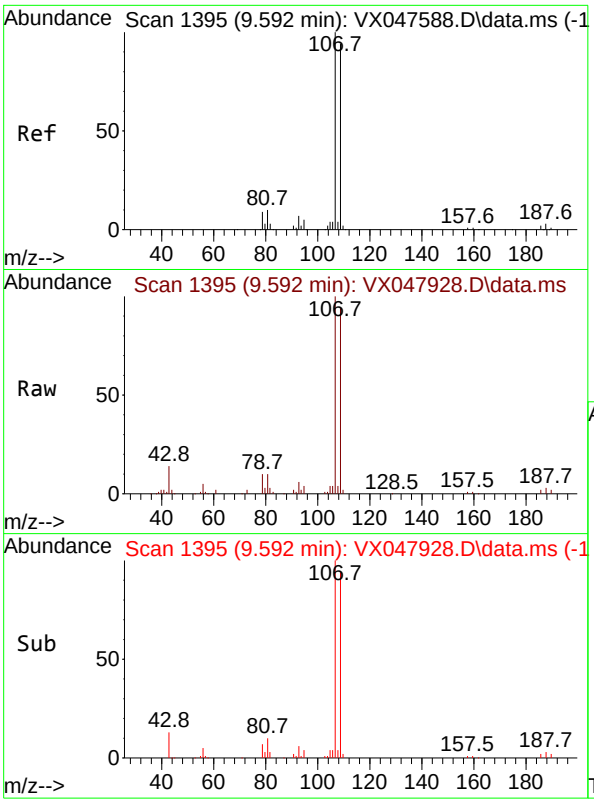


#60
Dibromochloromethane
Concen: 21.613 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:129 Resp: 45160

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2





#61
1,2-Dibromoethane
Concen: 21.326 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:107 Resp: 3939

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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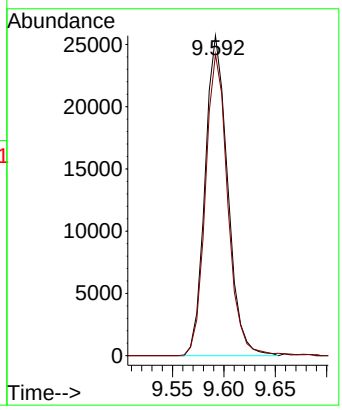
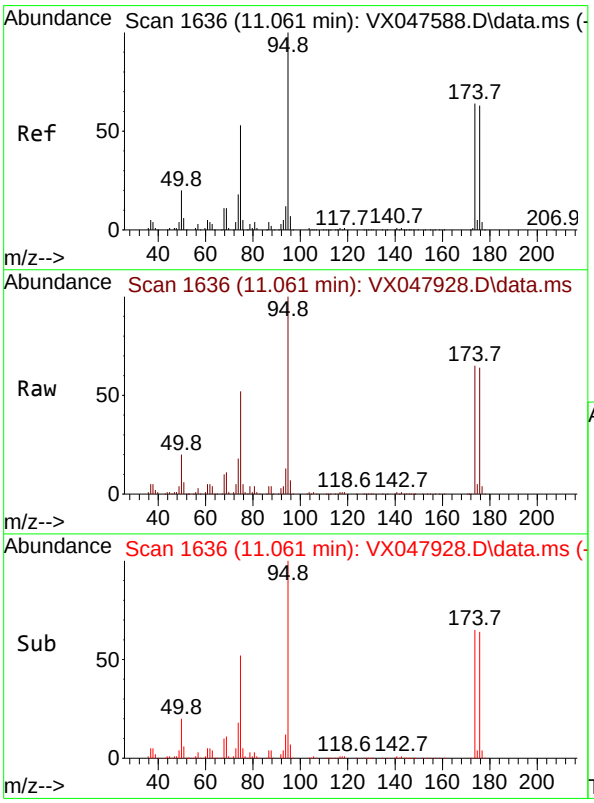
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

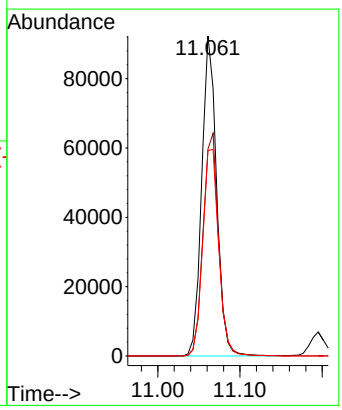


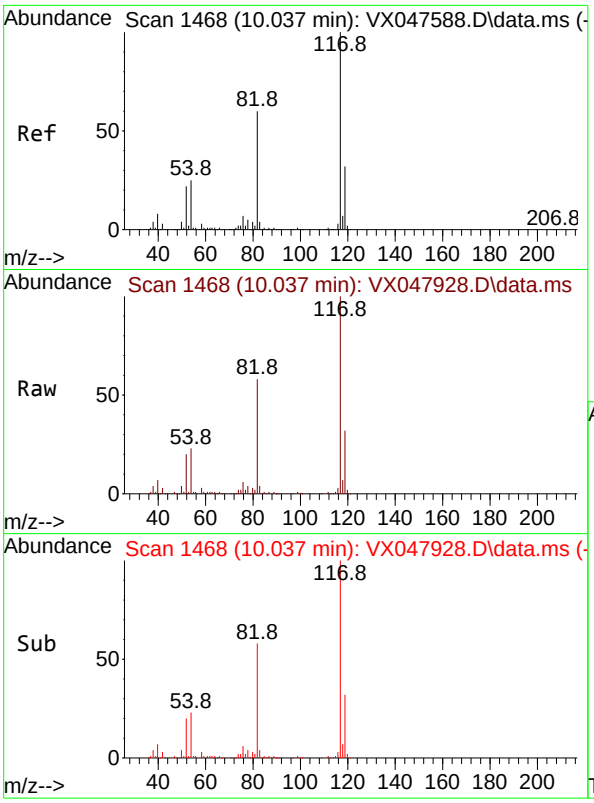


#62
4-Bromofluorobenzene
Concen: 51.331 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 95 Resp: 115941

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	69.8	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:117 Resp: 23578

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.8	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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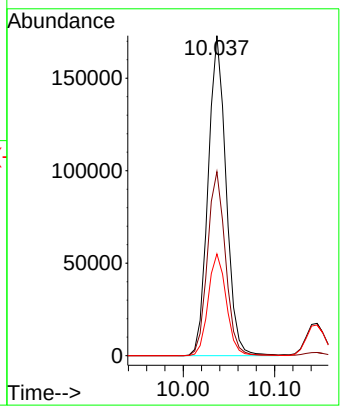
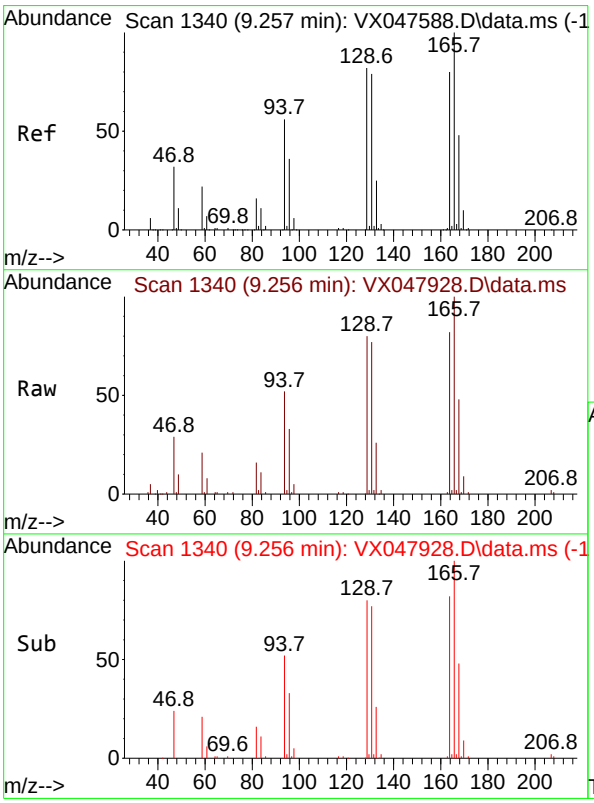
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

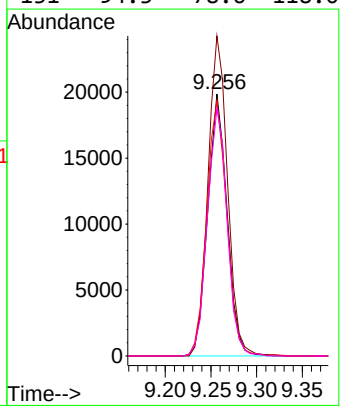


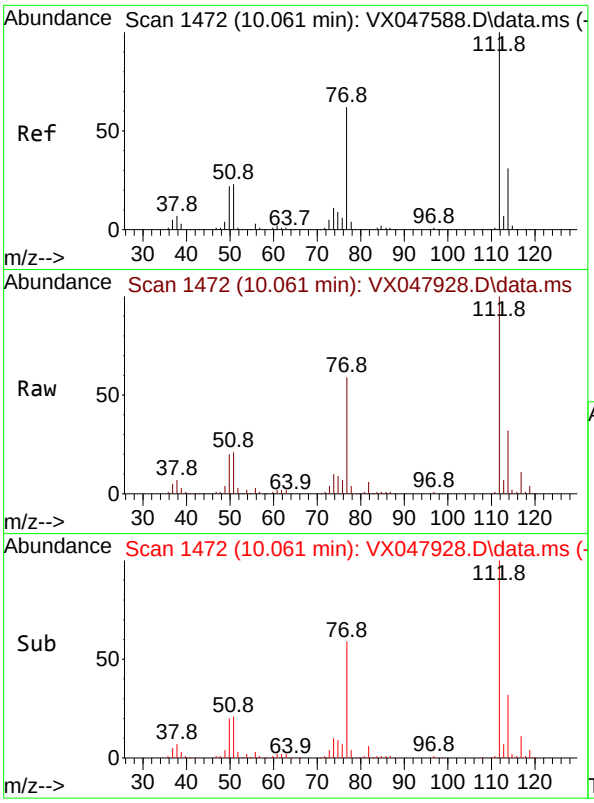


#64
Tetrachloroethene
Concen: 19.018 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:164 Resp: 29231

Ion	Ratio	Lower	Upper
164	100		
166	122.2	100.2	150.2
129	97.3	81.8	122.6
131	94.3	78.6	118.0

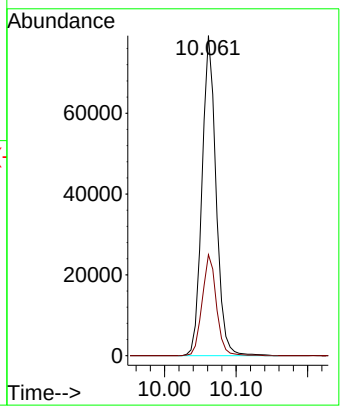




#65
Chlorobenzene
Concen: 20.194 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:112 Resp: 10816

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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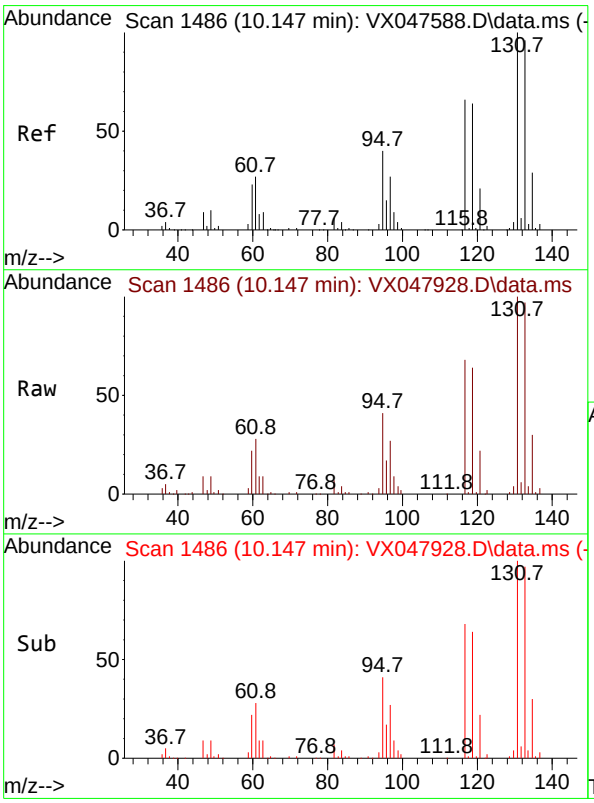
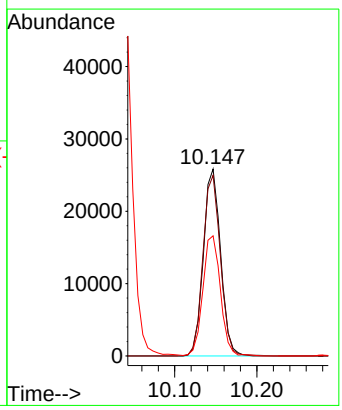
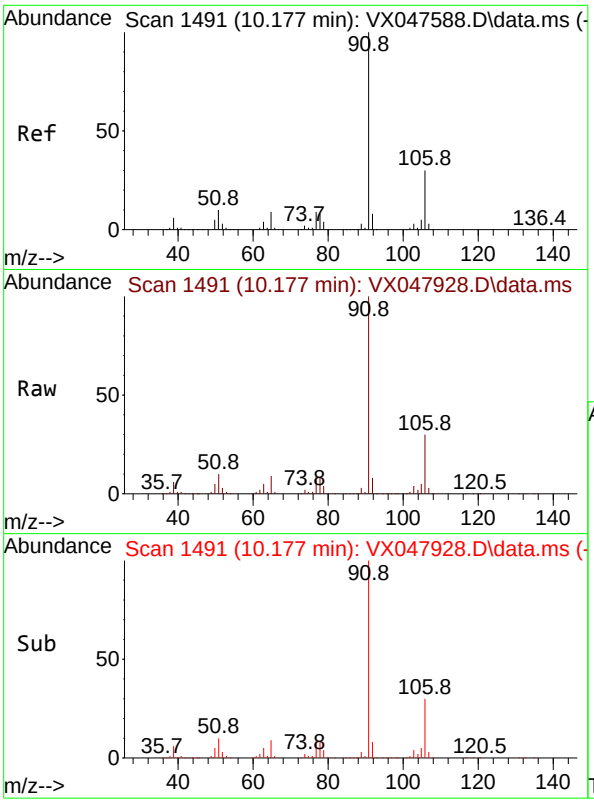


#66
1,1,1,2-Tetrachloroethane
Concen: 20.357 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:131 Resp: 37627

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.3	142.0
119	65.7	32.0	96.0





#67
Ethyl Benzene
Concen: 19.294 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 17832

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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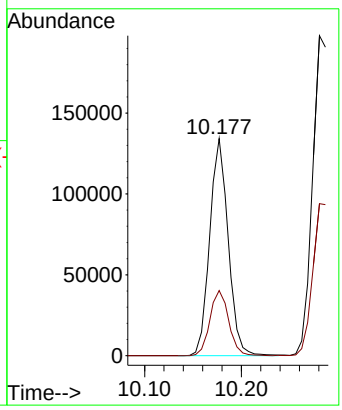
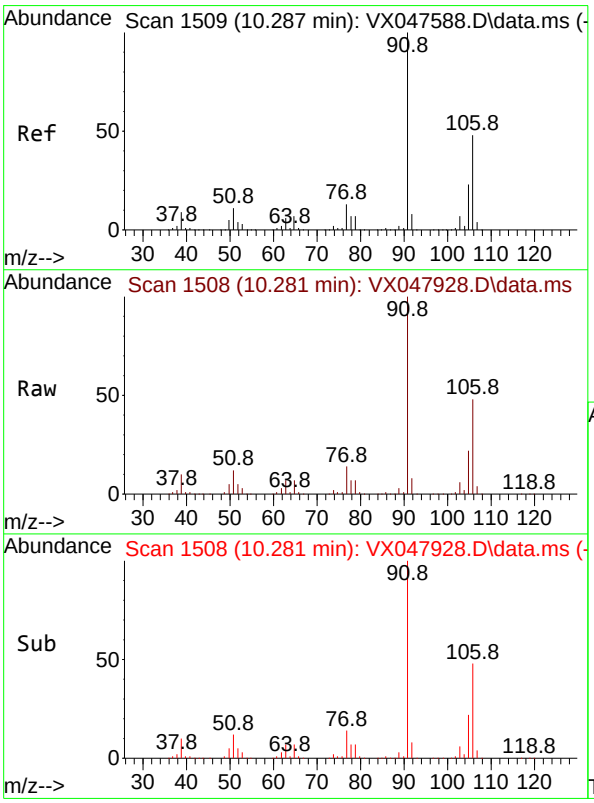
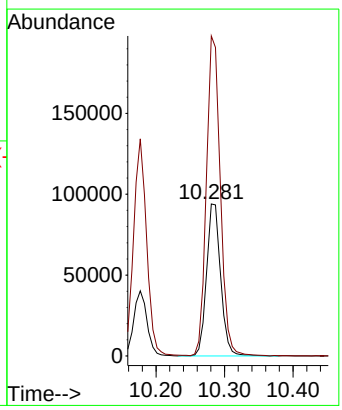


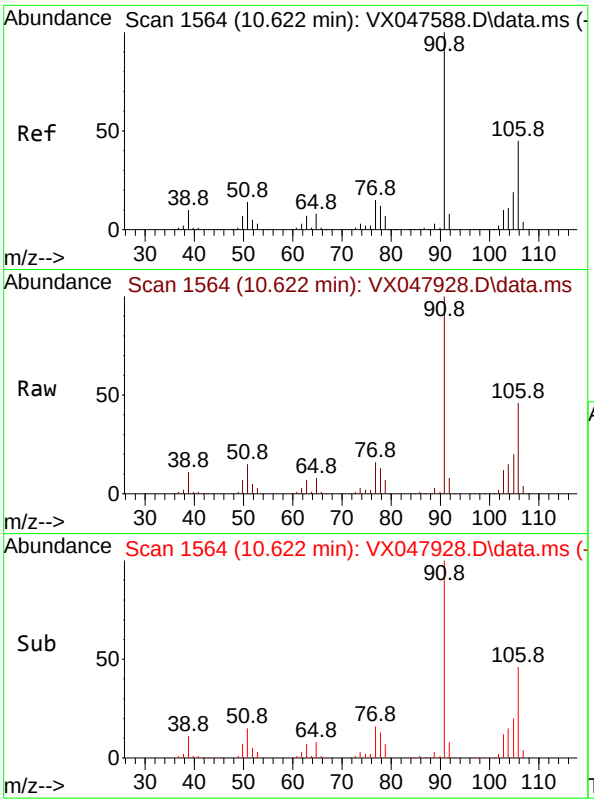


#68
m/p-Xylenes
Concen: 39.185 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:106 Resp: 134798

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8





#69
o-Xylene
Concen: 19.540 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:106 Resp: 6501

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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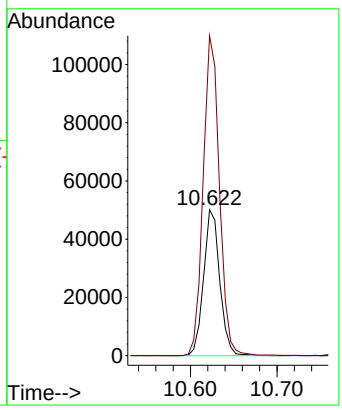
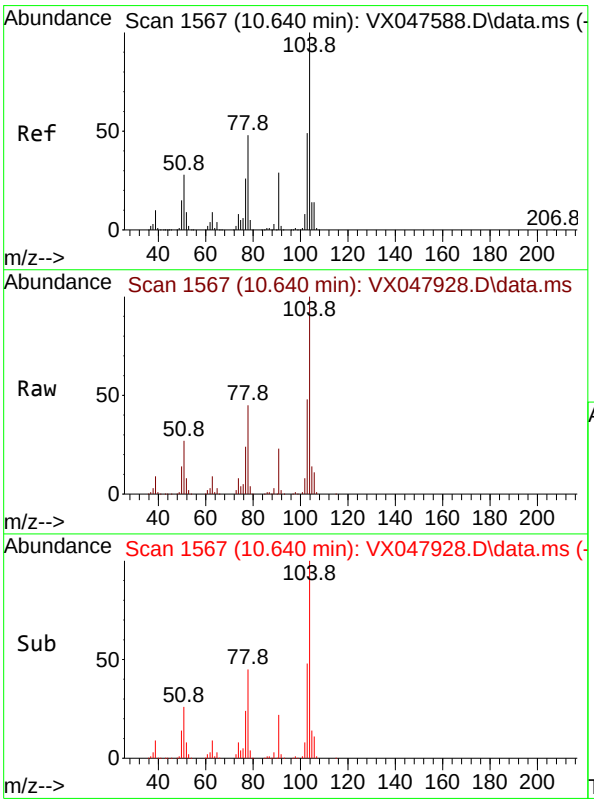
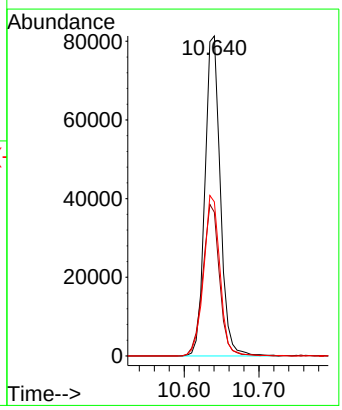


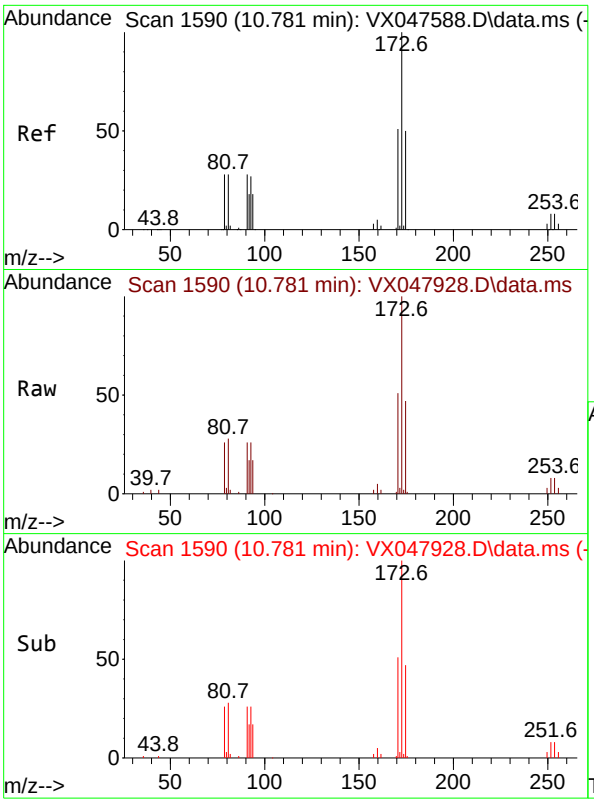


#70
Styrene
Concen: 19.917 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:104 Resp: 116119

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.1	64.7
103	53.3	43.1	64.7





#71
Bromoform
Concen: 20.347 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

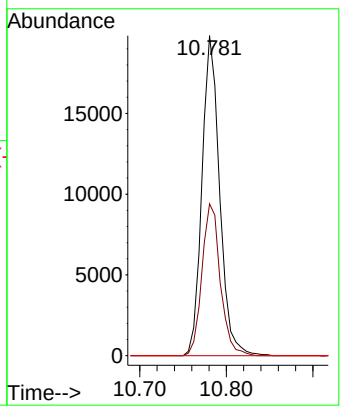
Tgt Ion:173 Resp: 2808

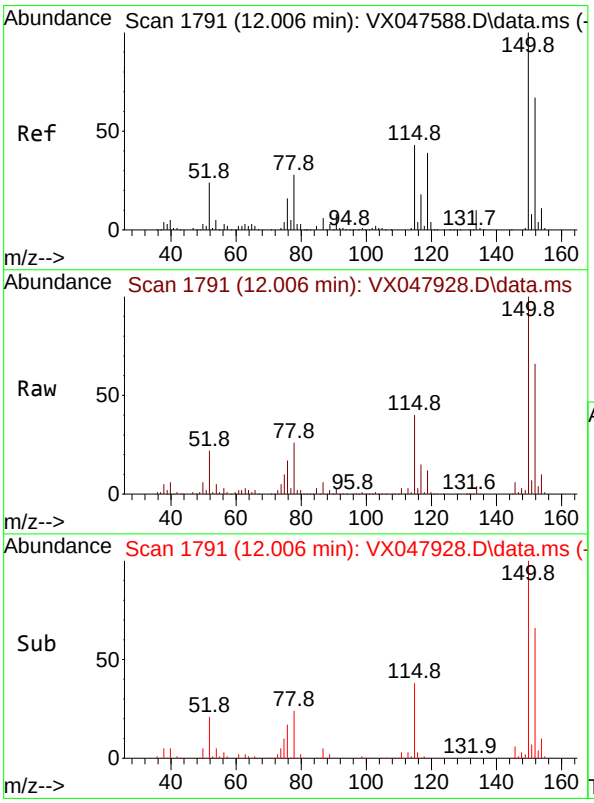
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.6
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

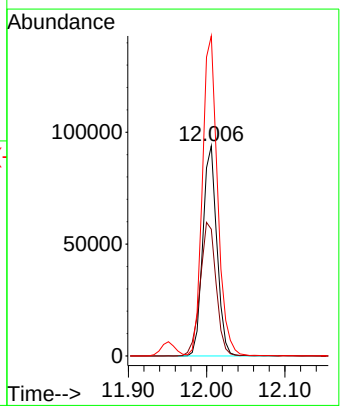


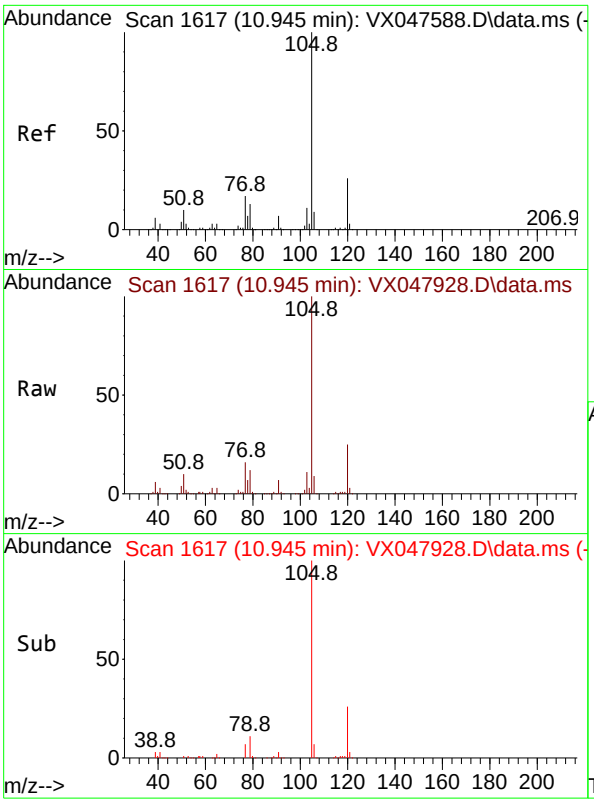


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:152 Resp: 117338

Ion	Ratio	Lower	Upper
152	100		
115	71.7	44.9	134.5
150	163.6	0.0	352.0

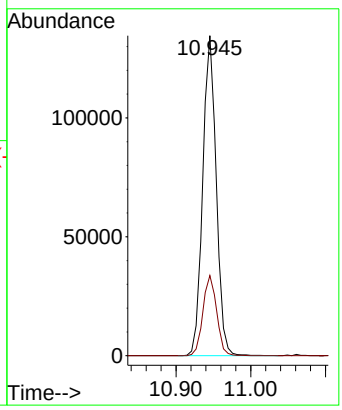




#73
Isopropylbenzene
Concen: 18.892 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:105 Resp: 16853

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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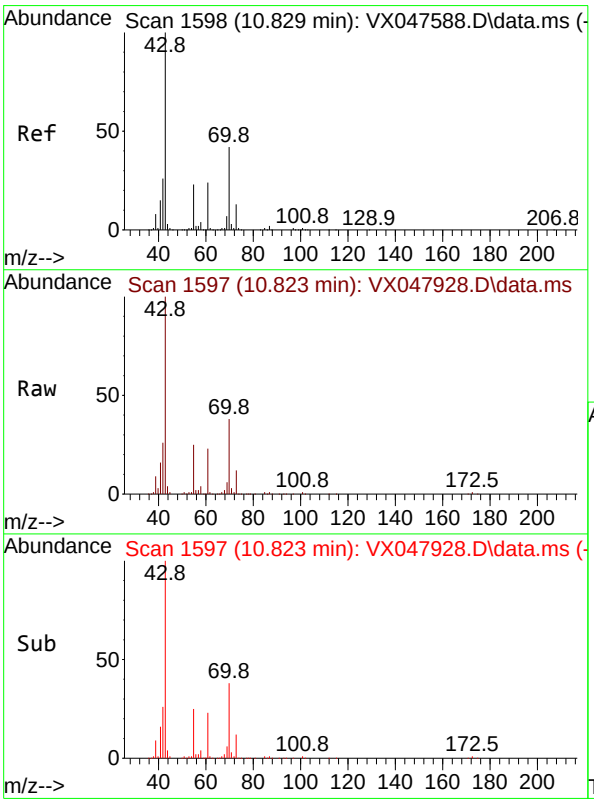
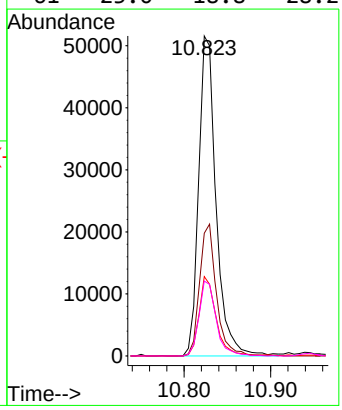
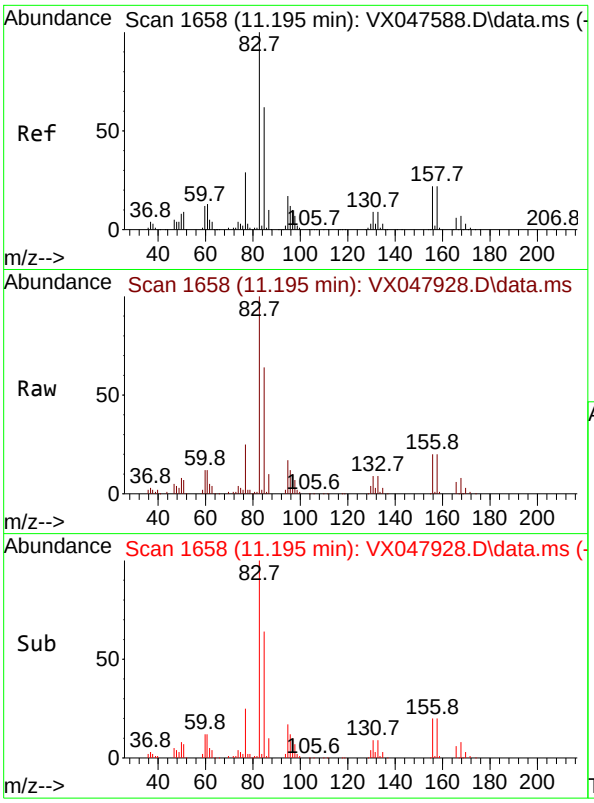


#74
N-amyl acetate
Concen: 17.735 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 72147

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.0	48.0
55	24.3	18.9	28.3
61	23.0	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.670 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 83 Resp: 5308

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.9	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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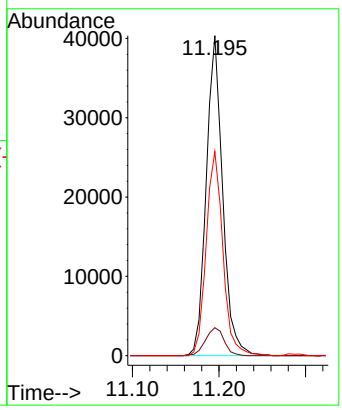
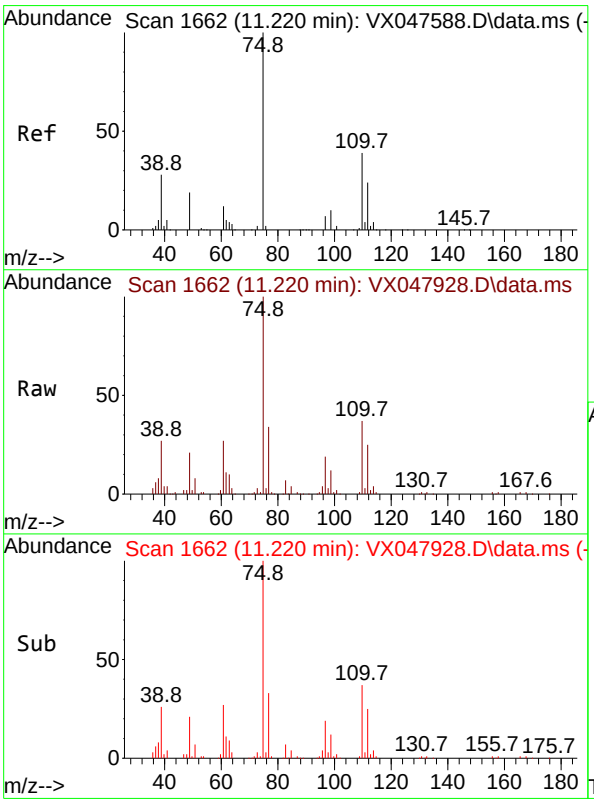
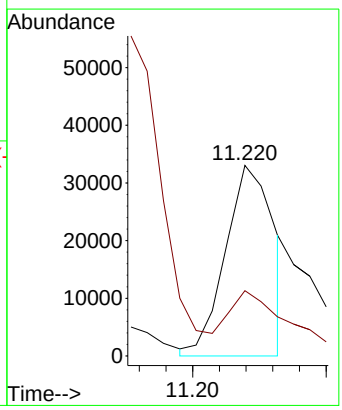


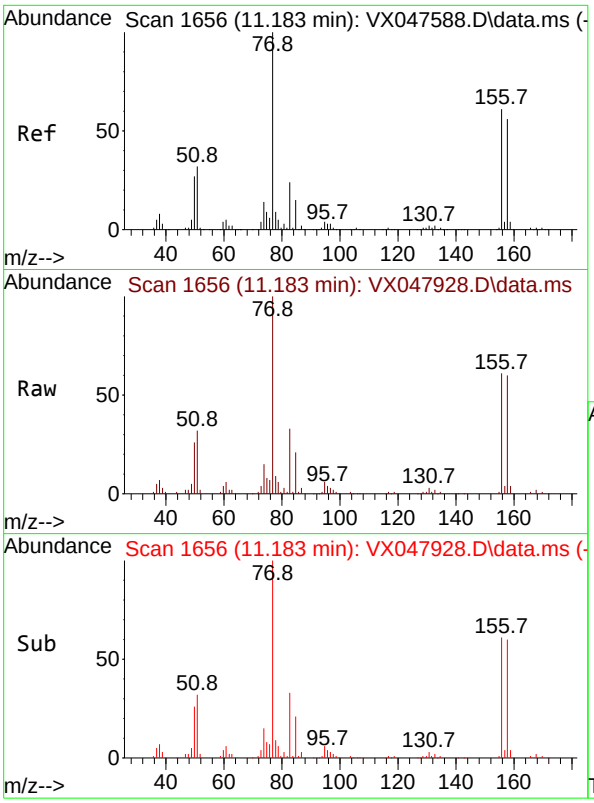


#76
1,2,3-Trichloropropane
Concen: 17.544 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 41680

Ion	Ratio	Lower	Upper
75	100		
77	42.8	18.8	56.4

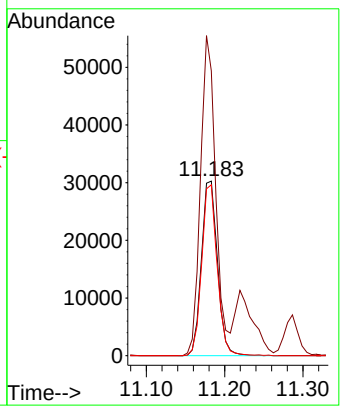




#77
Bromobenzene
Concen: 19.502 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:156 Resp: 4284

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	95.1	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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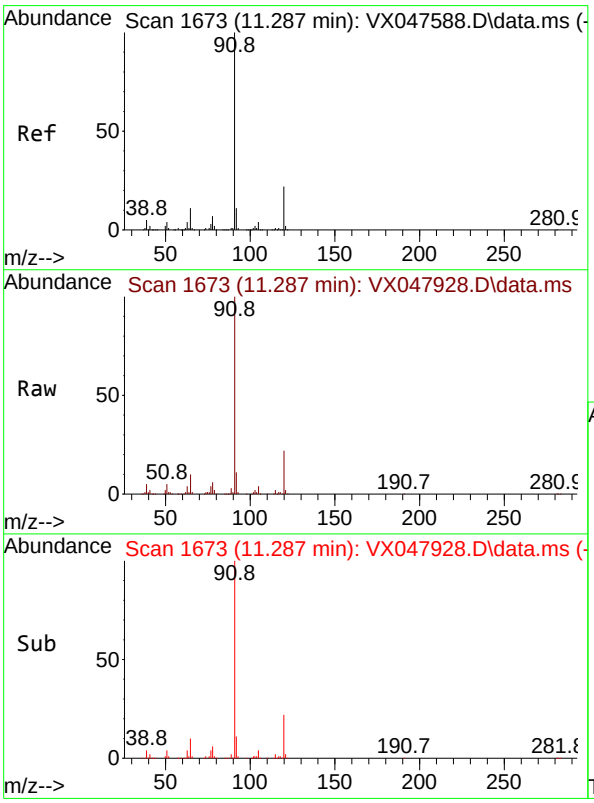
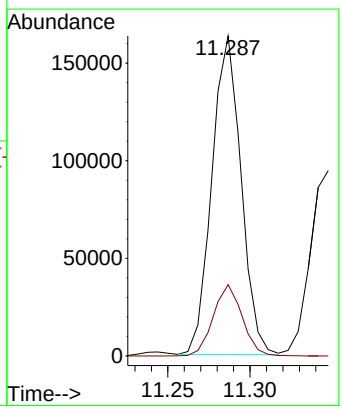
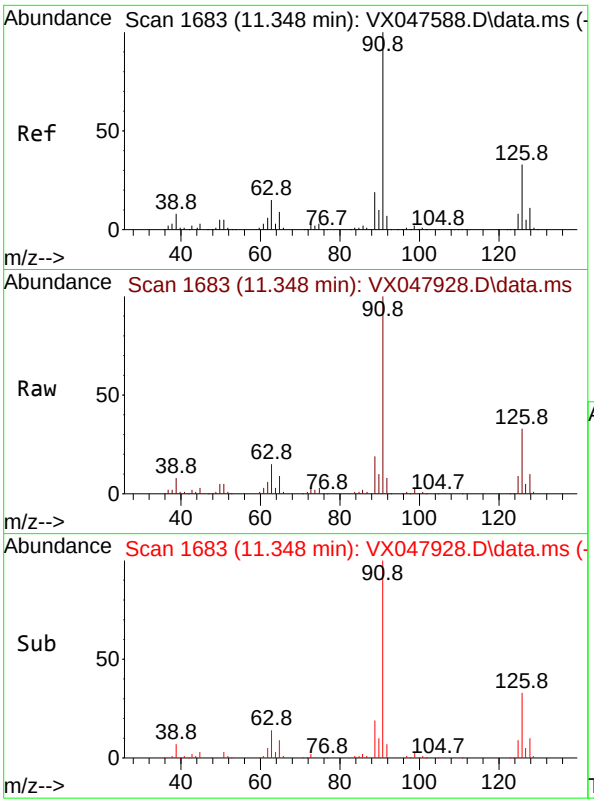


#78
n-propylbenzene
Concen: 19.073 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 201137

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





#79
2-Chlorotoluene
Concen: 18.980 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 12259

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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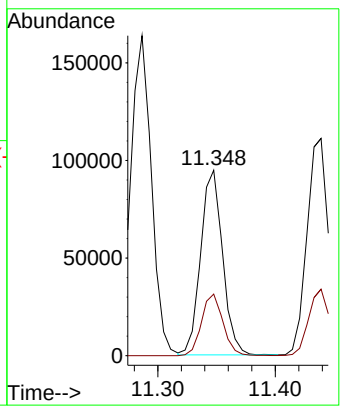
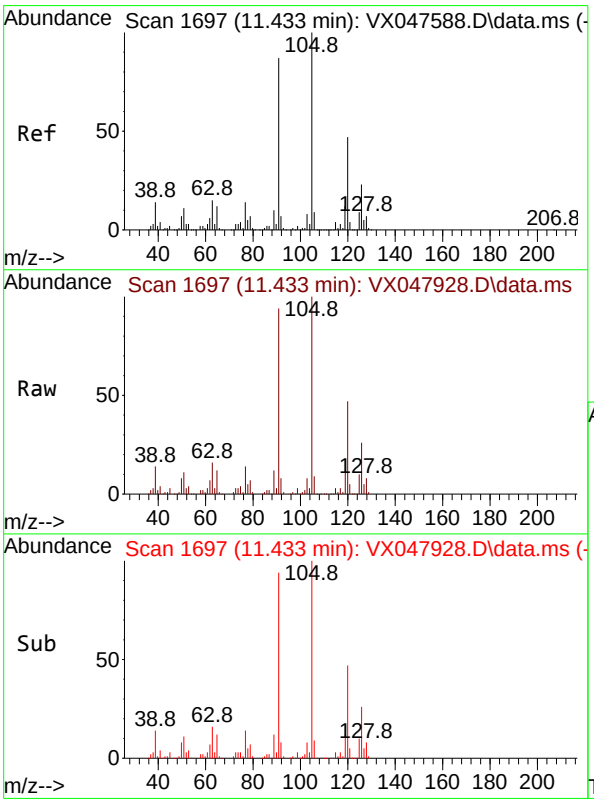
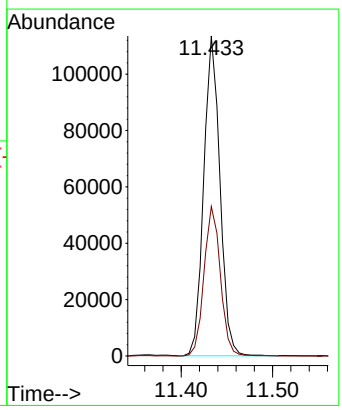


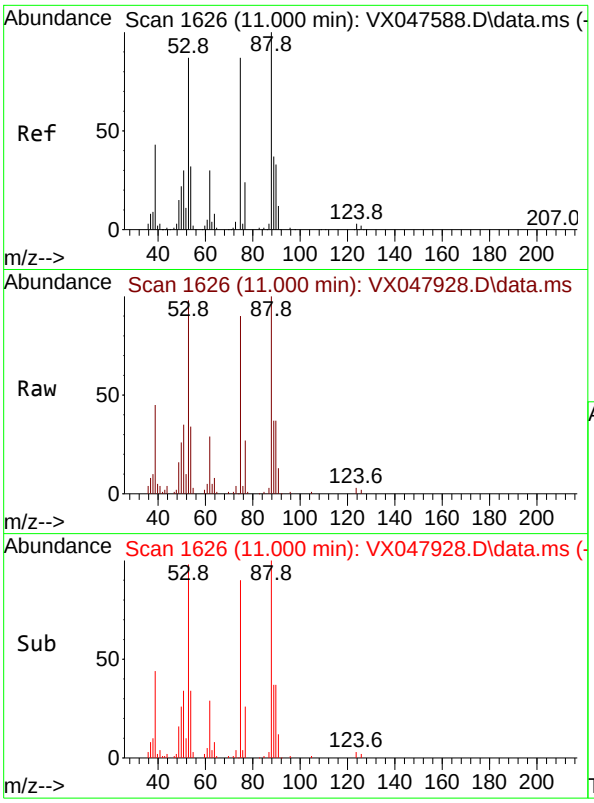


#80
1,3,5-Trimethylbenzene
Concen: 19.006 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:105 Resp: 139295

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 16.952 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 1579

Ion	Ratio	Lower	Upper
75	100		
53	109.2	83.4	125.2
89	45.1	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
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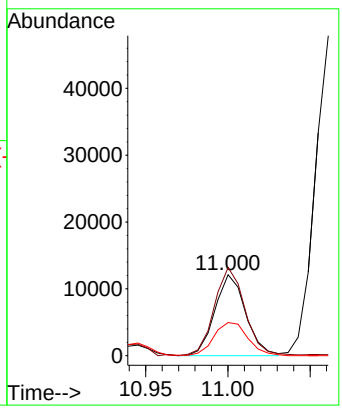
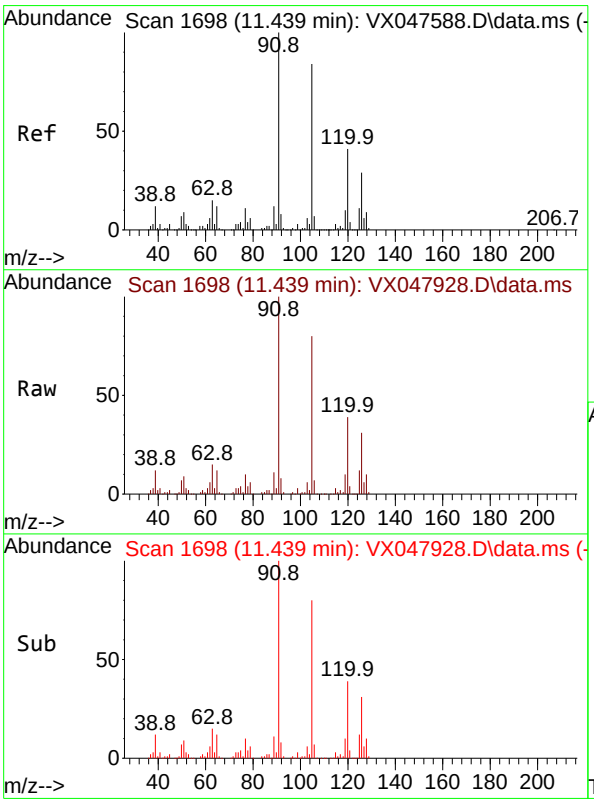
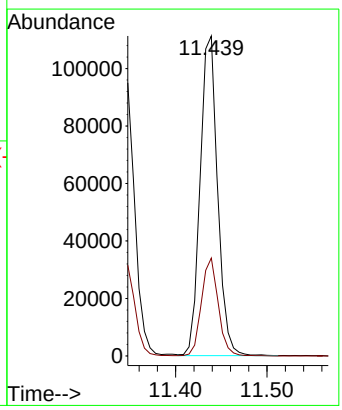


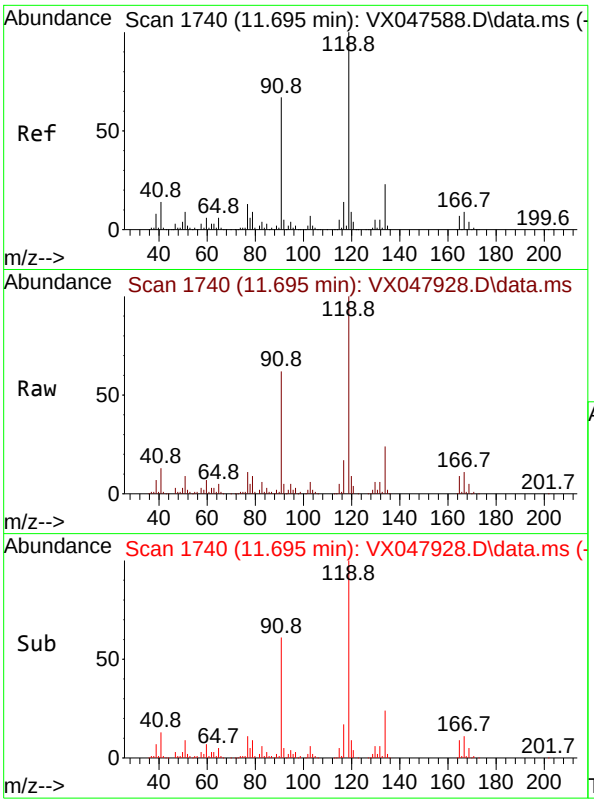


#82
4-Chlorotoluene
Concen: 19.293 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 147172

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6

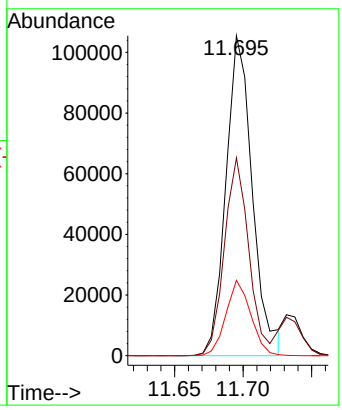




#83
tert-Butylbenzene
Concen: 18.873 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:119 Resp: 14160

Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.2	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
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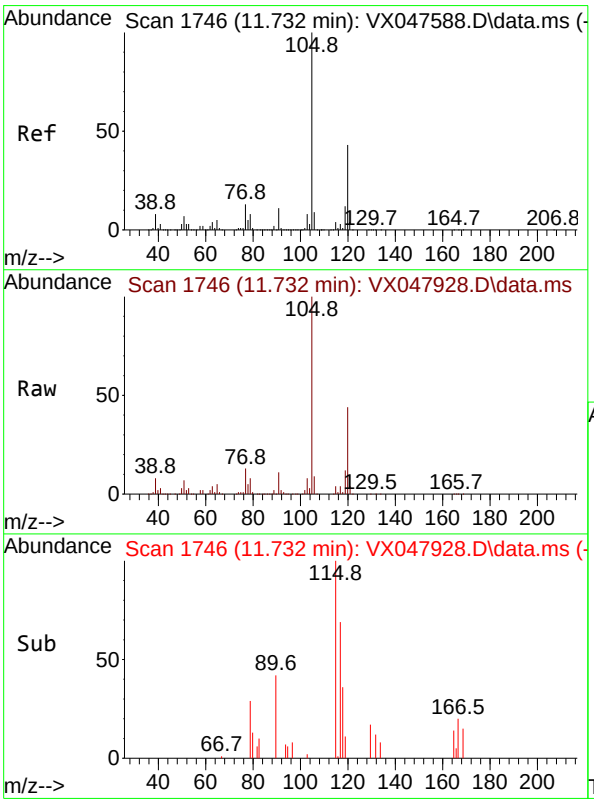
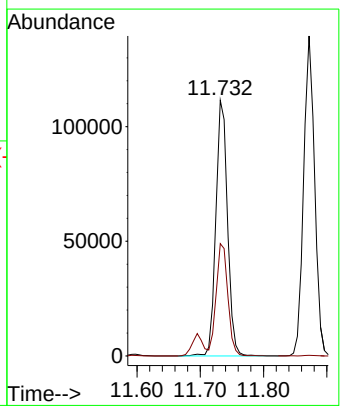
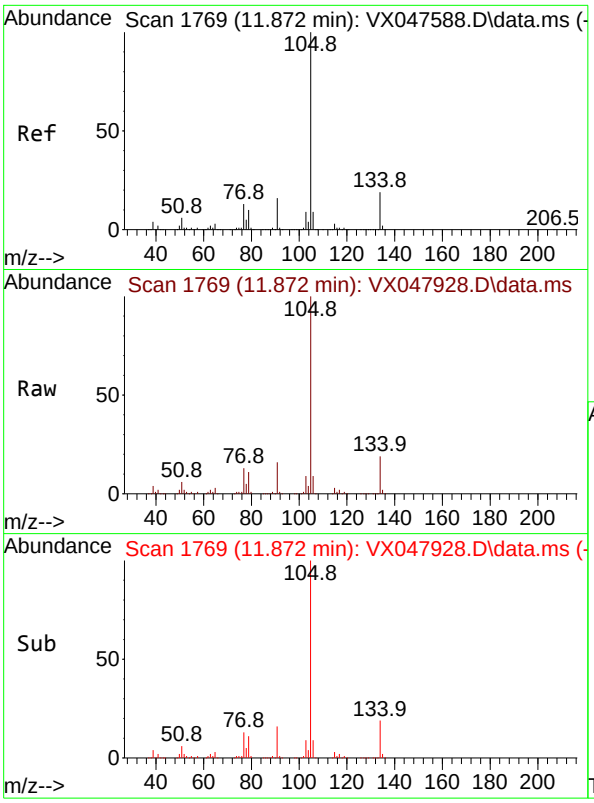


#84
1,2,4-Trimethylbenzene
Concen: 19.169 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:105 Resp: 142439

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1

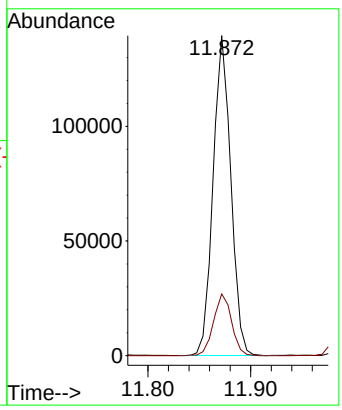




#85
sec-Butylbenzene
Concen: 18.741 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:105 Resp: 16701

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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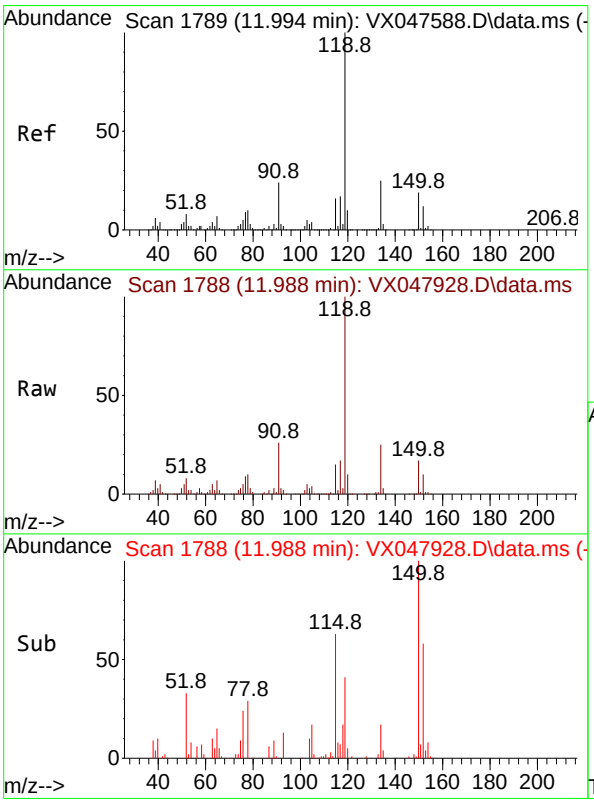
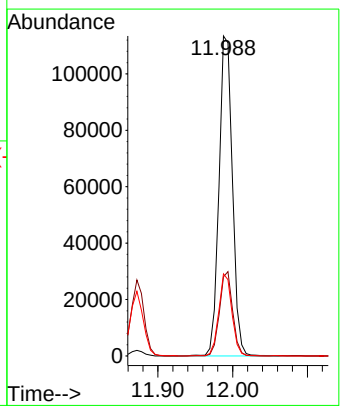
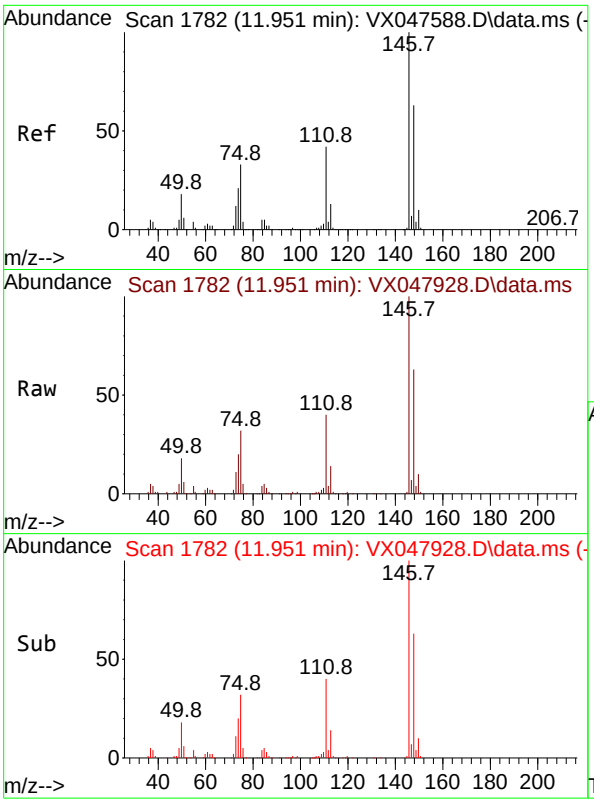


#86
p-Isopropyltoluene
Concen: 18.845 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:119 Resp: 142178

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.2	12.6	37.6

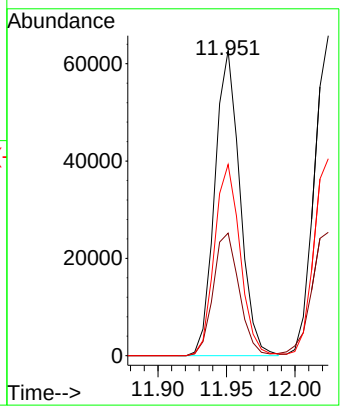




#87
1,3-Dichlorobenzene
Concen: 19.544 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:146 Resp: 7976

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	64.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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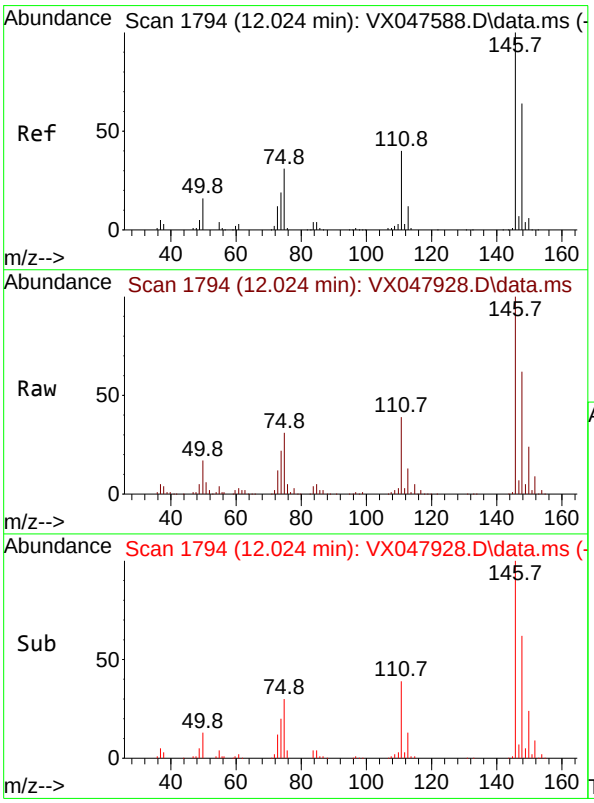
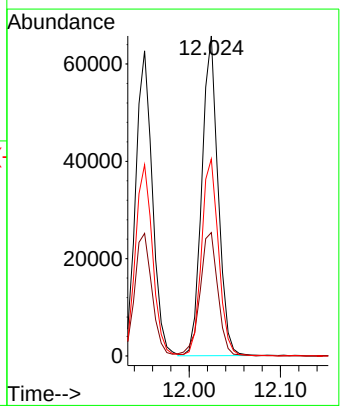
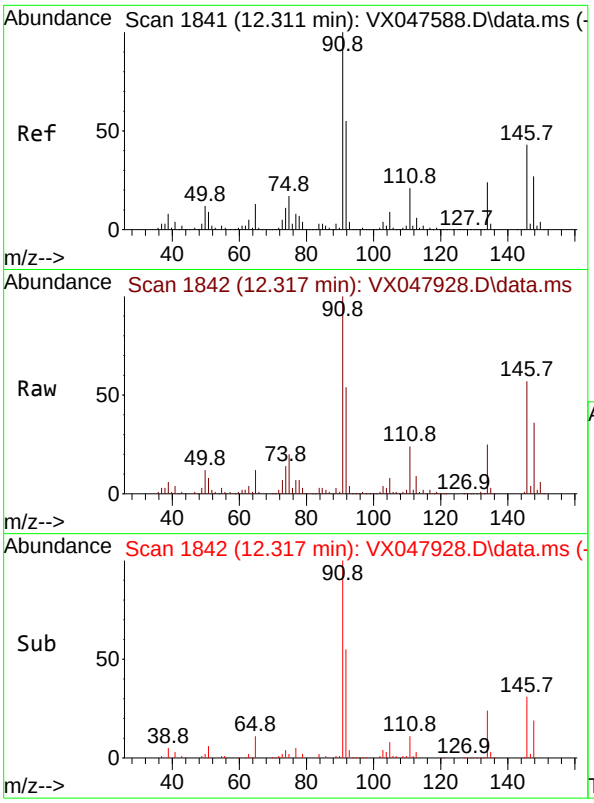


#88
1,4-Dichlorobenzene
Concen: 19.381 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:146 Resp: 81177

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.4
148	64.6	31.7	95.1





#89
n-Butylbenzene
Concen: 18.568 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 12962

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	24.3	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

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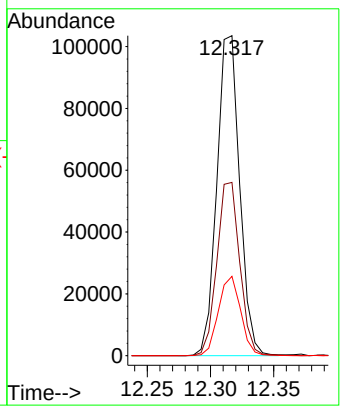
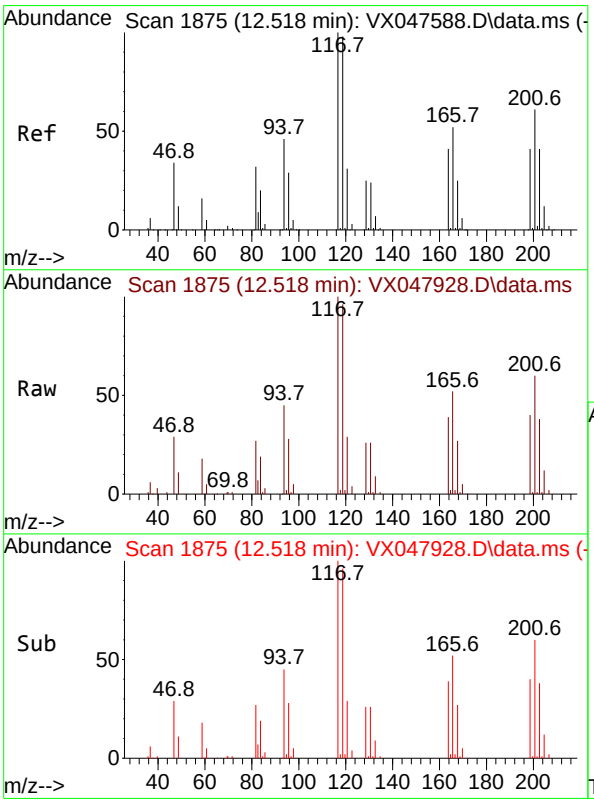
Supervised By :Mahesh Dadoda 10/03/2025

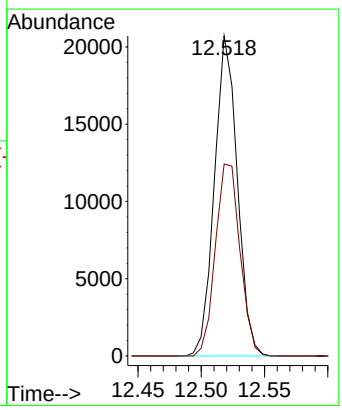


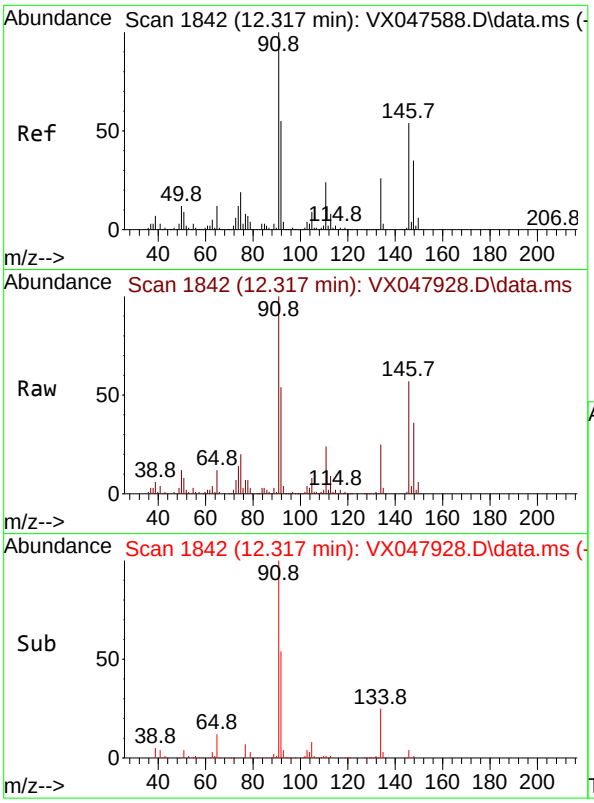


#90
Hexachloroethane
Concen: 19.667 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:117 Resp: 26051

Ion	Ratio	Lower	Upper
117	100		
201	64.6	34.2	102.5

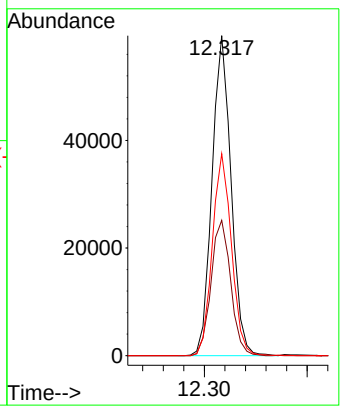




#91
1,2-Dichlorobenzene
Concen: 19.626 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:146 Resp: 7630

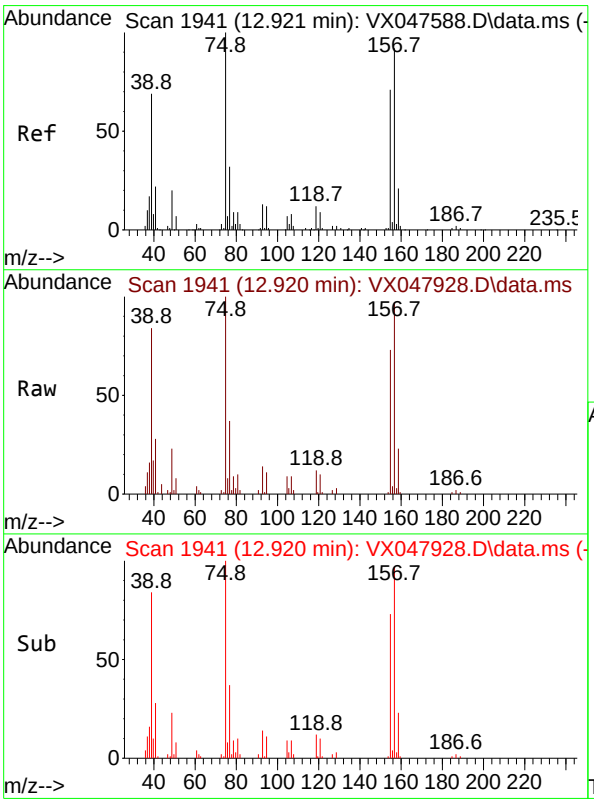
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
APPROVED

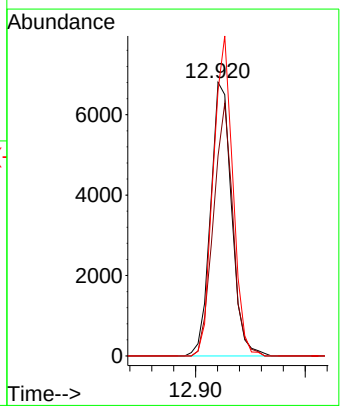
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

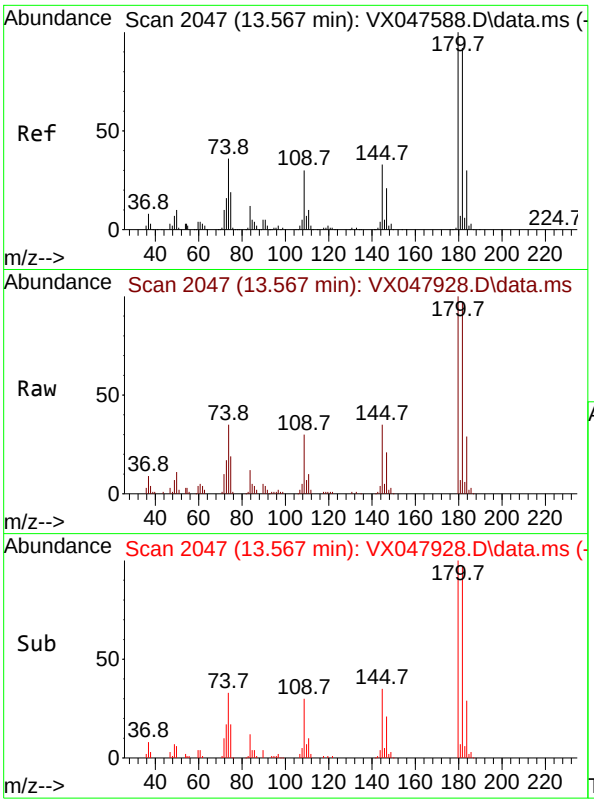


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.618 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 9081

Ion	Ratio	Lower	Upper
75	100		
155	85.7	37.7	113.1
157	109.1	49.8	149.4

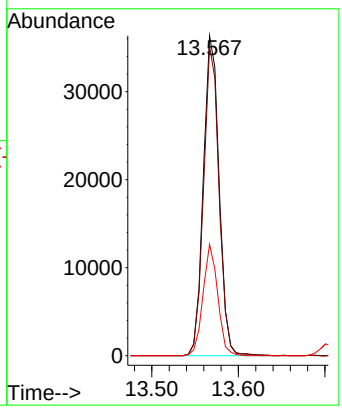




#93
1,2,4-Trichlorobenzene
Concen: 18.146 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:180 Resp: 4585

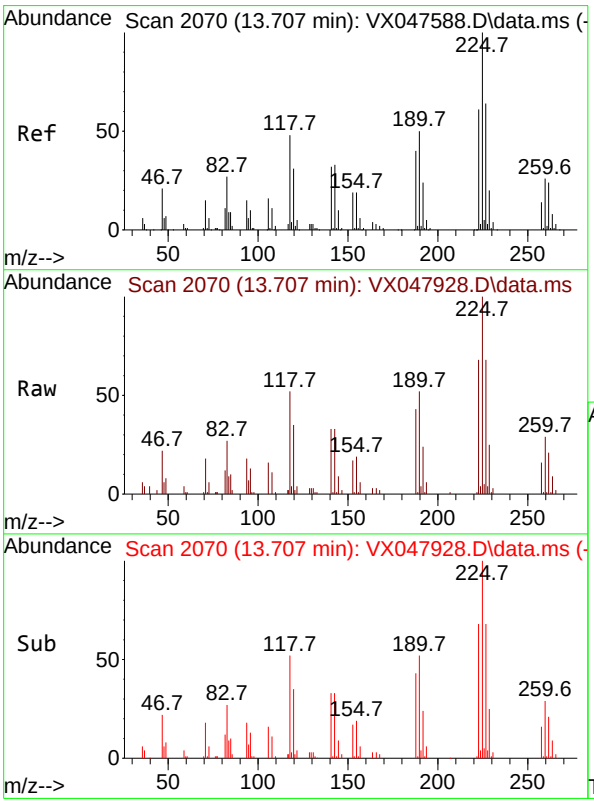
Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.6	139.8
145	32.6	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
APPROVED

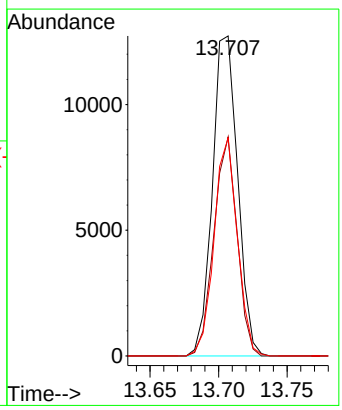
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

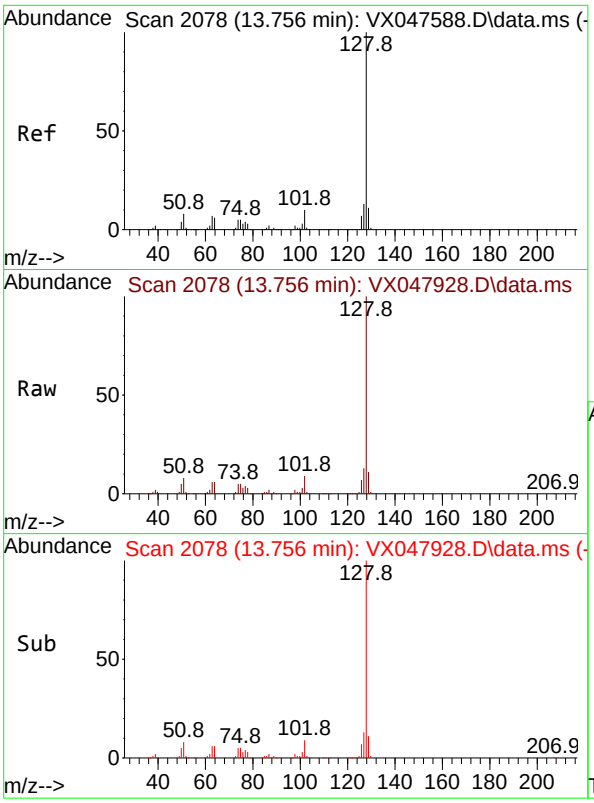


#94
Hexachlorobutadiene
Concen: 18.956 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:225 Resp: 16270

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	62.9	32.0	96.0

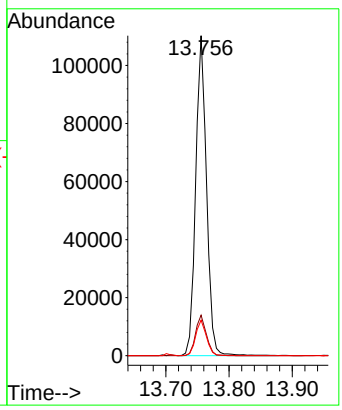




#95
Naphthalene
Concen: 17.100 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:128 Resp: 13157

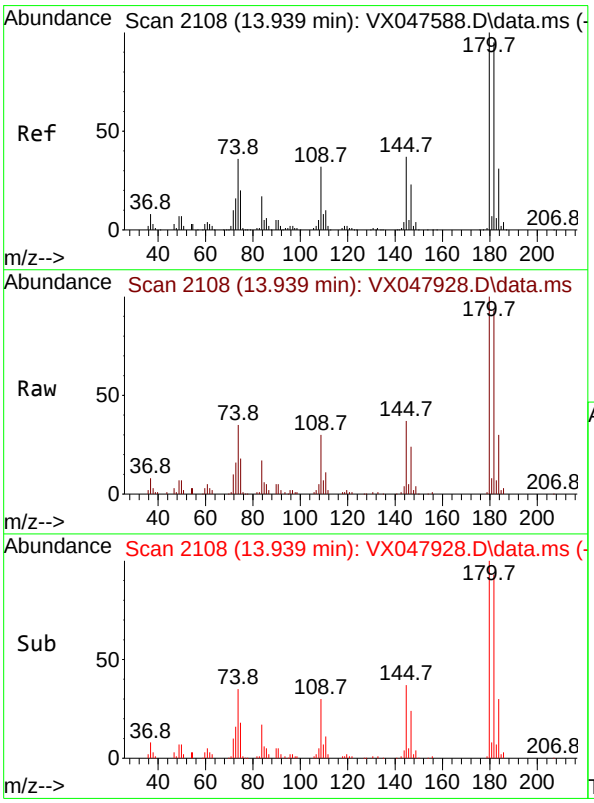
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Manual Integrations
APPROVED

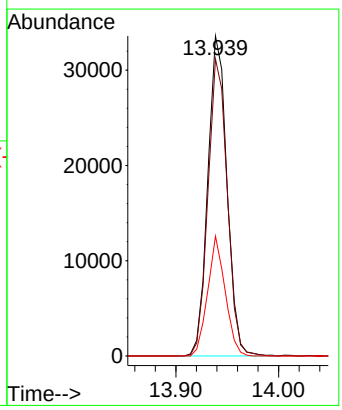
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.486 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:180 Resp: 43451

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.8
145	34.4	17.9	53.7



Raw Data: **VX047986.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1003WBS02	SDG No.:	Q3193
Lab Sample ID:	VX1003WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	75.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		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	19.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	85.5		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.4		0.14	0.50	1.00	ug/L

Raw Data: **VX047986.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1003WBS02	SDG No.:	Q3193
Lab Sample ID:	VX1003WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	88.5		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		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	19.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.8		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.6		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.538				
540-36-3	1,4-Difluorobenzene	223000	6.745				
3114-55-4	Chlorobenzene-d5	203000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.006				

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1003WBS02	SDG No.:	Q3193
Lab Sample ID:	VX1003WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

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\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	126673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	223242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	203303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107996	53.561	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.120%			
35) Dibromofluoromethane	5.367	113	82433	55.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.120%			
50) Toluene-d8	8.635	98	277687	53.602	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.061	95	106162	53.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	24581	18.740	ug/l	99
3) Chloromethane	1.301	50	29342	17.020	ug/l	96
4) Vinyl Chloride	1.380	62	30471	18.056	ug/l	99
5) Bromomethane	1.618	94	21736	20.312	ug/l	100
6) Chloroethane	1.697	64	20534	18.205	ug/l	99
7) Trichlorofluoromethane	1.898	101	47376	18.907	ug/l	95
8) Diethyl Ether	2.136	74	18804	18.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	28877	19.709	ug/l	98
10) Methyl Iodide	2.453	142	36576	16.007	ug/l	97
11) Tert butyl alcohol	2.934	59	17490	77.884	ug/l	95
12) 1,1-Dichloroethene	2.325	96	27340	18.166	ug/l	97
13) Acrolein	2.233	56	18482	89.311	ug/l	99
14) Allyl chloride	2.666	41	53719	17.297	ug/l	99
15) Acrylonitrile	3.056	53	80543	96.830	ug/l	98
16) Acetone	2.374	43	66049	75.338	ug/l	98
17) Carbon Disulfide	2.514	76	67602	16.408	ug/l	98
18) Methyl Acetate	2.697	43	38893	19.934	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	104908	19.095	ug/l	96
20) Methylene Chloride	2.788	84	36299	19.560	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	30041	18.540	ug/l	97
22) Diisopropyl ether	3.751	45	121631	20.209	ug/l	97
23) Vinyl Acetate	3.709	43	455775	94.616	ug/l	100
24) 1,1-Dichloroethane	3.599	63	63044	19.707	ug/l	99
25) 2-Butanone	4.538	43	93517	85.515	ug/l	100
26) 2,2-Dichloropropane	4.465	77	47792	17.972	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	38365	19.334	ug/l	99
28) Bromochloromethane	4.885	49	28377	20.319	ug/l	100
29) Tetrahydrofuran	4.983	42	59475	90.406	ug/l	99
30) Chloroform	5.074	83	65984	20.411	ug/l	95
31) Cyclohexane	5.452	56	45397	17.038	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54188	19.762	ug/l	99
36) 1,1-Dichloropropene	5.678	75	38668	17.675	ug/l	97
37) Ethyl Acetate	4.696	43	41660	17.785	ug/l	98
38) Carbon Tetrachloride	5.660	117	45275	19.047	ug/l	94
39) Methylcyclohexane	7.367	83	43965	17.704	ug/l	94
40) Benzene	6.019	78	130214	19.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	23709	19.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	51249	20.271	ug/l		98
43) Isopropyl Acetate	6.318	43	69942	18.206	ug/l		99
44) Trichloroethene	7.111	130	30783	19.162	ug/l		91
45) 1,2-Dichloropropane	7.415	63	34658	20.370	ug/l		98
46) Dibromomethane	7.568	93	25268	20.408	ug/l		99
47) Bromodichloromethane	7.806	83	53374	20.890	ug/l		99
48) Methyl methacrylate	7.678	41	33882	17.706	ug/l		98
49) 1,4-Dioxane	7.641	88	7806	403.637	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	205051	96.266	ug/l		98
52) Toluene	8.702	92	79425	19.401	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	50330	19.312	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	54652	19.620	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	33013	20.914	ug/l		98
56) Ethyl methacrylate	9.098	69	47680	19.233	ug/l		96
57) 1,3-Dichloropropane	9.293	76	57474	21.195	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	119833	108.060	ug/l		99
59) 2-Hexanone	9.415	43	135325	88.459	ug/l		100
60) Dibromochloromethane	9.506	129	38514	21.175	ug/l		99
61) 1,2-Dibromoethane	9.592	107	33310	20.717	ug/l		98
64) Tetrachloroethene	9.256	164	24781	18.698	ug/l		93
65) Chlorobenzene	10.061	112	89592	19.398	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	32462	20.368	ug/l		99
67) Ethyl Benzene	10.177	91	149076	18.707	ug/l		98
68) m/p-Xylenes	10.287	106	112155	37.811	ug/l		100
69) o-Xylene	10.622	106	54811	19.105	ug/l		99
70) Styrene	10.640	104	95723	19.042	ug/l		98
71) Bromoform	10.781	173	23667	19.887	ug/l	#	100
73) Isopropylbenzene	10.945	105	141532	18.272	ug/l		100
74) N-amyl acetate	10.829	43	59525	16.852	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	46242	19.732	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	39632m	19.212	ug/l		
77) Bromobenzene	11.183	156	36018	18.879	ug/l		97
78) n-propylbenzene	11.287	91	166982	18.236	ug/l		99
79) 2-Chlorotoluene	11.348	91	103483	18.452	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	117466	18.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12900	15.947	ug/l		97
82) 4-Chlorotoluene	11.439	91	122332	18.469	ug/l		100
83) tert-Butylbenzene	11.695	119	119792	18.388	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	118395	18.350	ug/l		98
85) sec-Butylbenzene	11.872	105	144326	18.651	ug/l		100
86) p-Isopropyltoluene	11.988	119	121030	18.475	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	67091	18.933	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	68424	18.814	ug/l		99
89) n-Butylbenzene	12.317	91	111009	18.313	ug/l		99
90) Hexachloroethane	12.518	117	21335	18.549	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	63888	18.924	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7777	16.391	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	38307	17.459	ug/l		99
94) Hexachlorobutadiene	13.707	225	14383	19.299	ug/l		98
95) Naphthalene	13.756	128	108339	16.216	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	36104	17.690	ug/l		99

Sample Results: **VX047986.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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Instrument :
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VX1003WBS02

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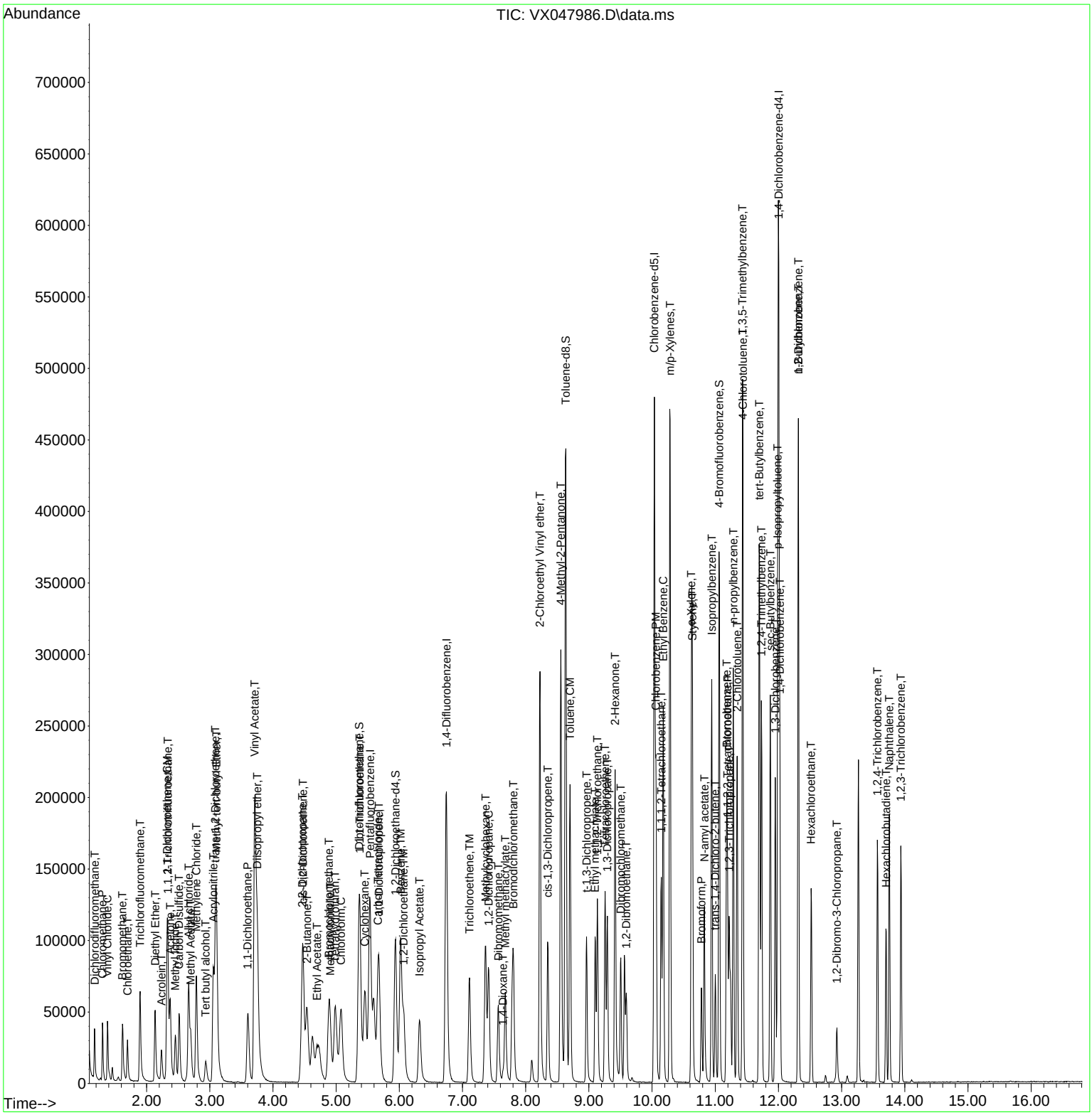
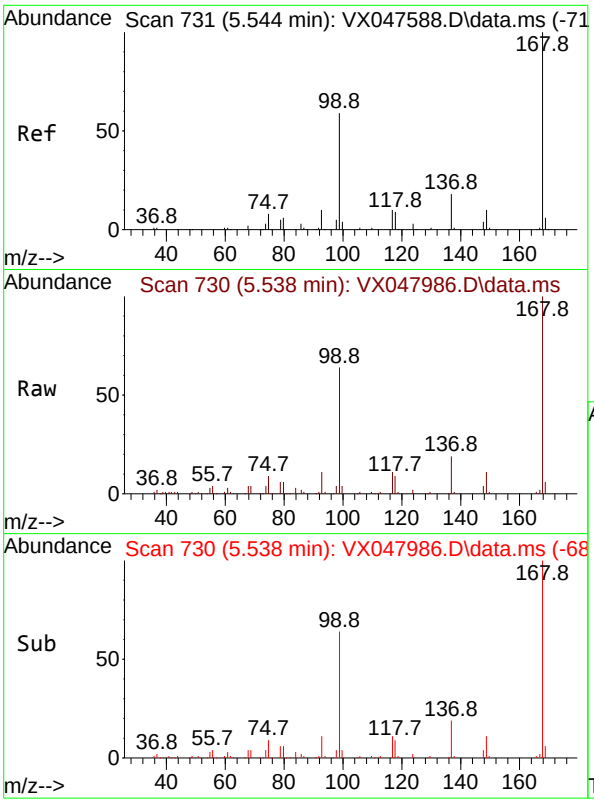
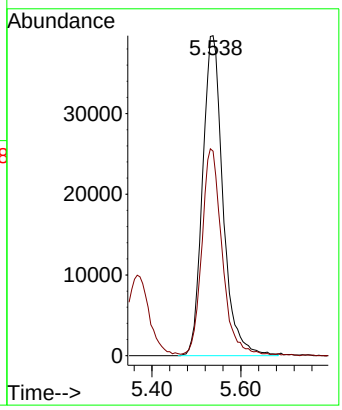




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:168 Resp: 12667

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

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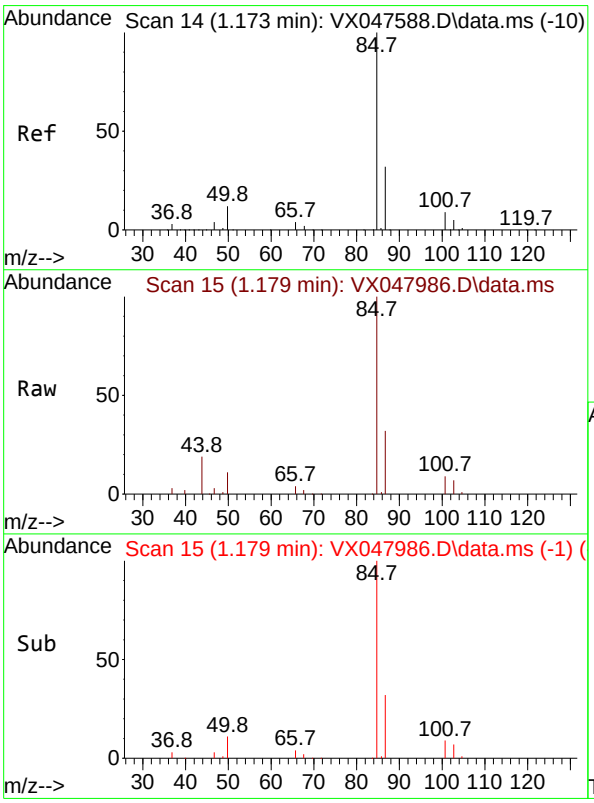
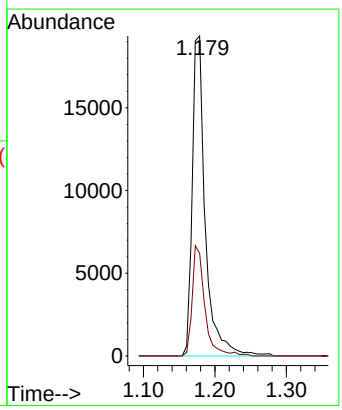
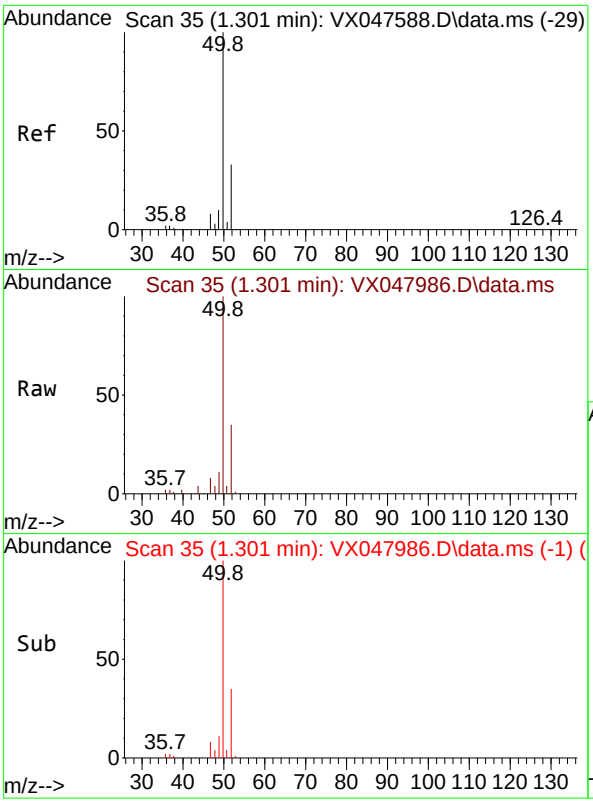


#2
Dichlorodifluoromethane
Concen: 18.740 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 85 Resp: 24581

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3

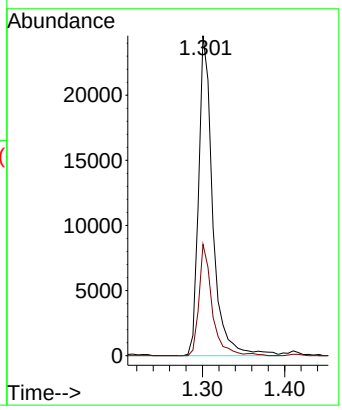




#3
Chloromethane
Concen: 17.020 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 50 Resp: 2934

Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

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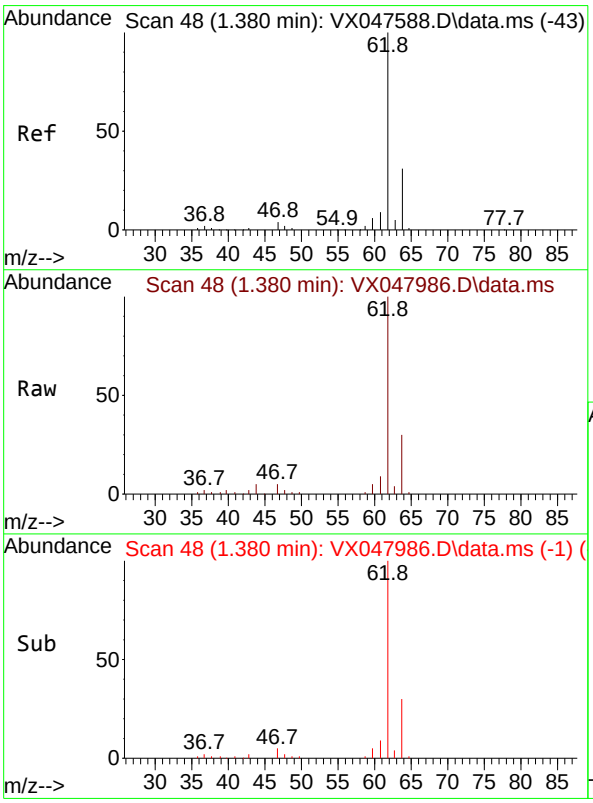
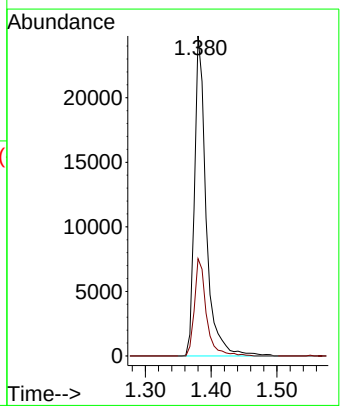
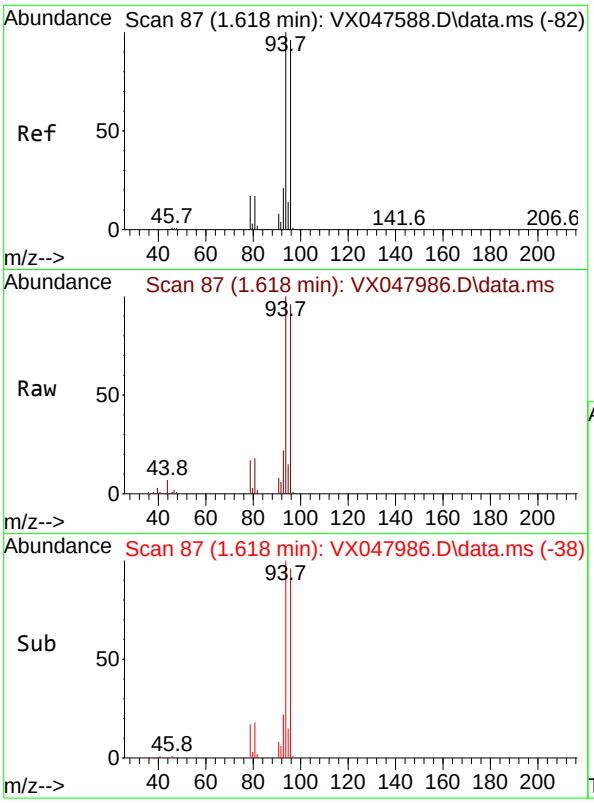


#4
Vinyl Chloride
Concen: 18.056 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 30471

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.9	37.3





#5
Bromomethane
Concen: 20.312 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 94 Resp: 2173

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

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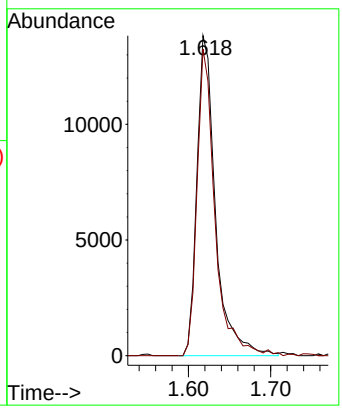
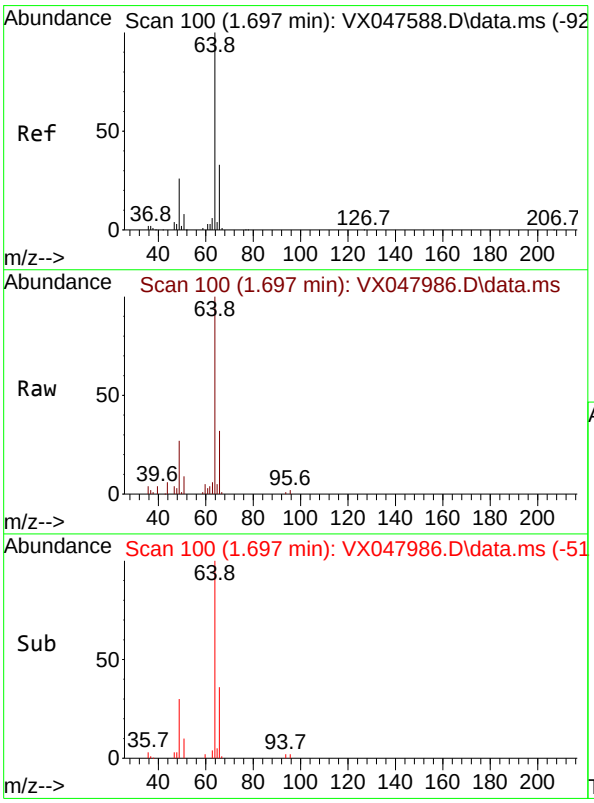
Supervised By :Semsettin Yesilyurt 10/06/2025

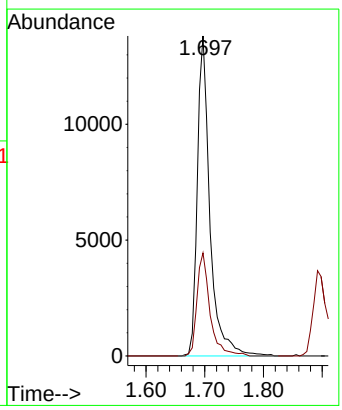


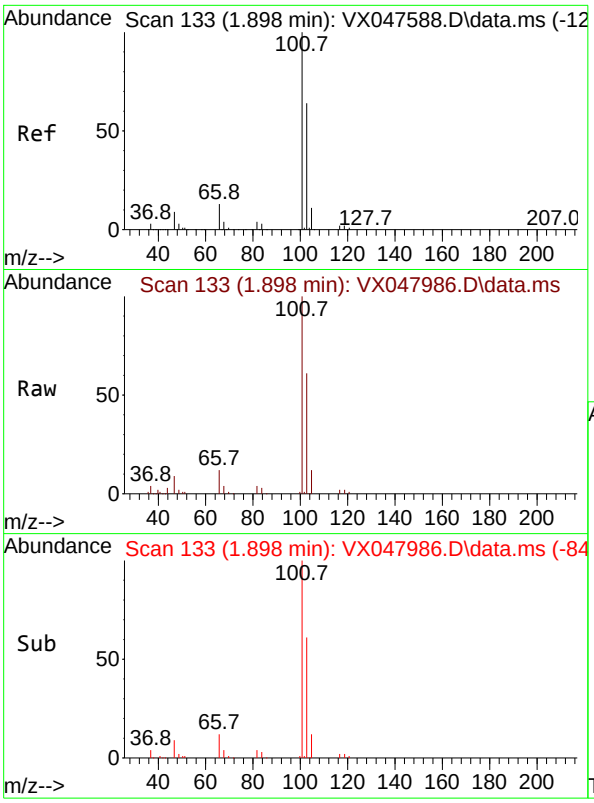


#6
Chloroethane
Concen: 18.205 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 64 Resp: 20534

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.1	39.1

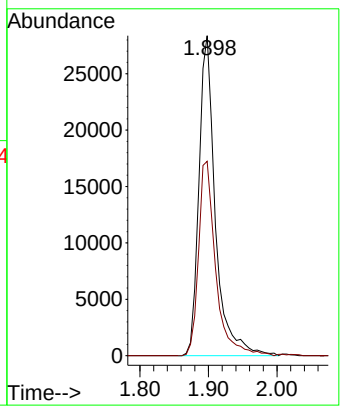




#7
Trichlorofluoromethane
Concen: 18.907 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:101 Resp: 4737

Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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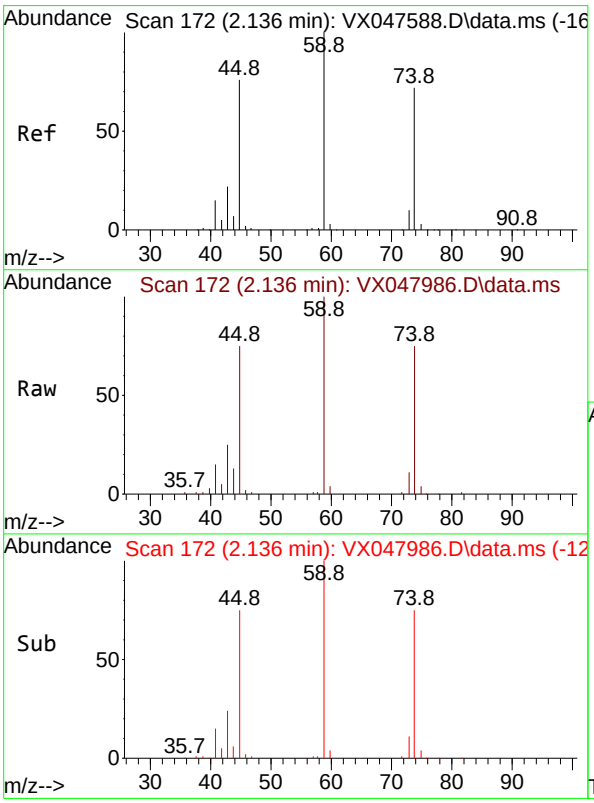
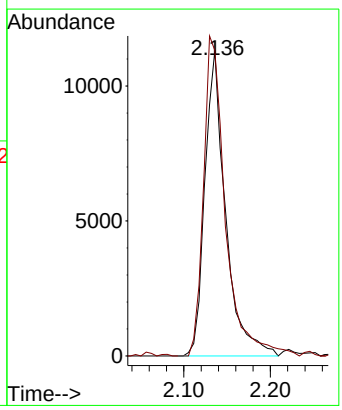
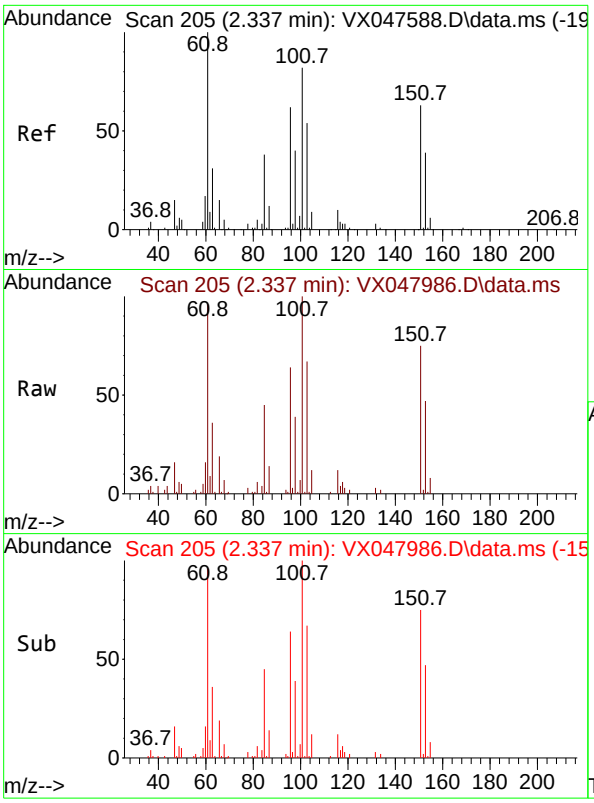


#8
Diethyl Ether
Concen: 18.345 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 74 Resp: 18804

Ion	Ratio	Lower	Upper
74	100		
45	110.2	52.3	156.8

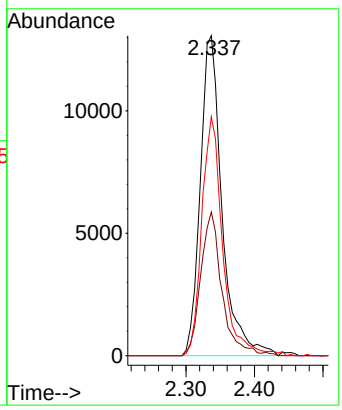




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:101 Resp: 2887

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.5	53.3
151	71.7	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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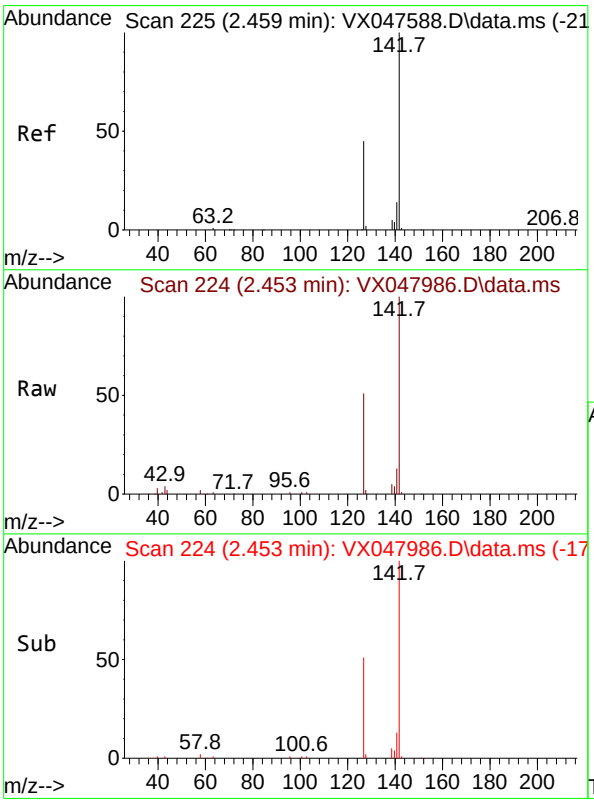
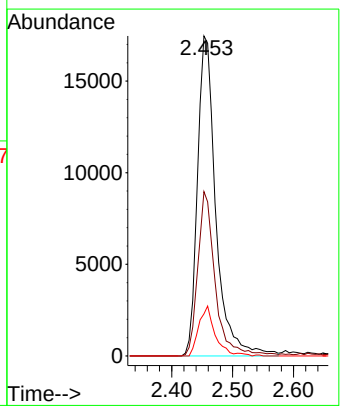
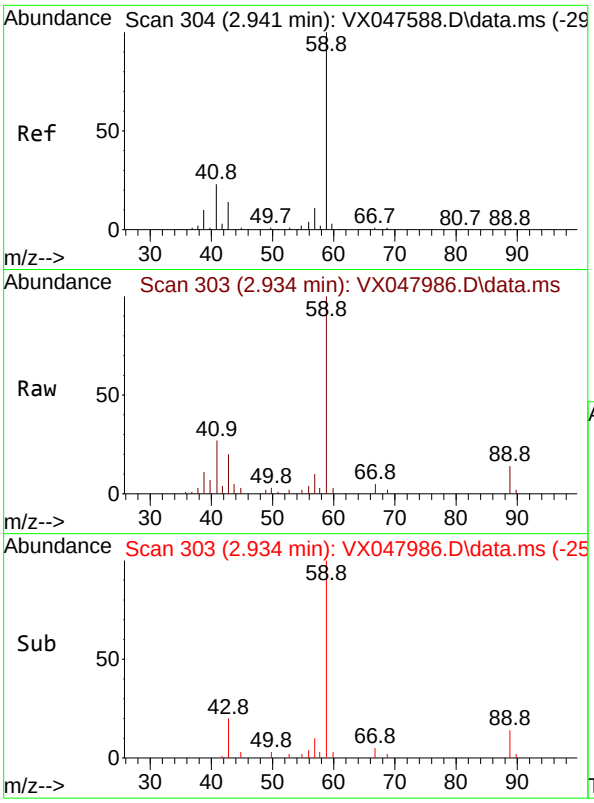


#10
Methyl Iodide
Concen: 16.007 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:142 Resp: 36576

Ion	Ratio	Lower	Upper
142	100		
127	48.9	37.2	55.8
141	14.0	11.4	17.0





#11
Tert butyl alcohol
Concen: 77.884 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 59 Resp: 1749

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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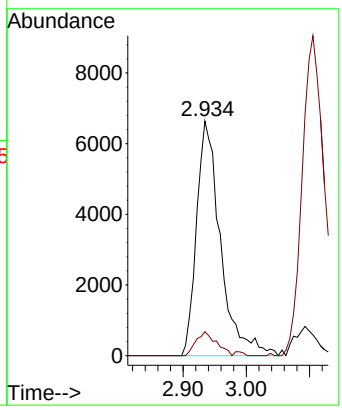
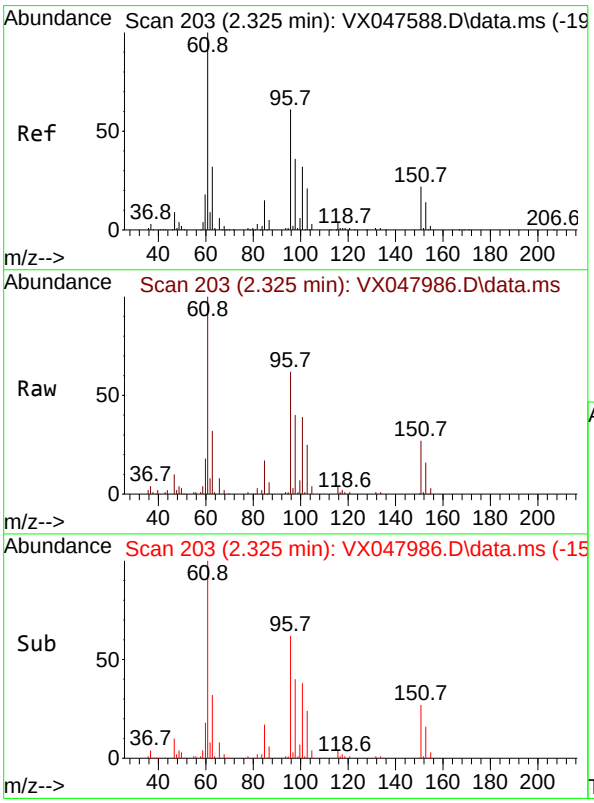
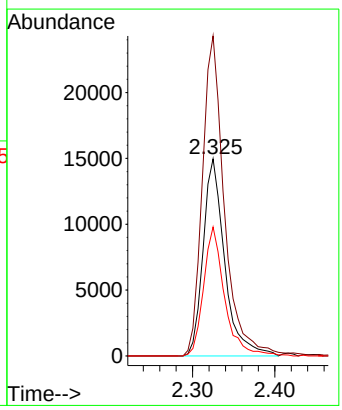


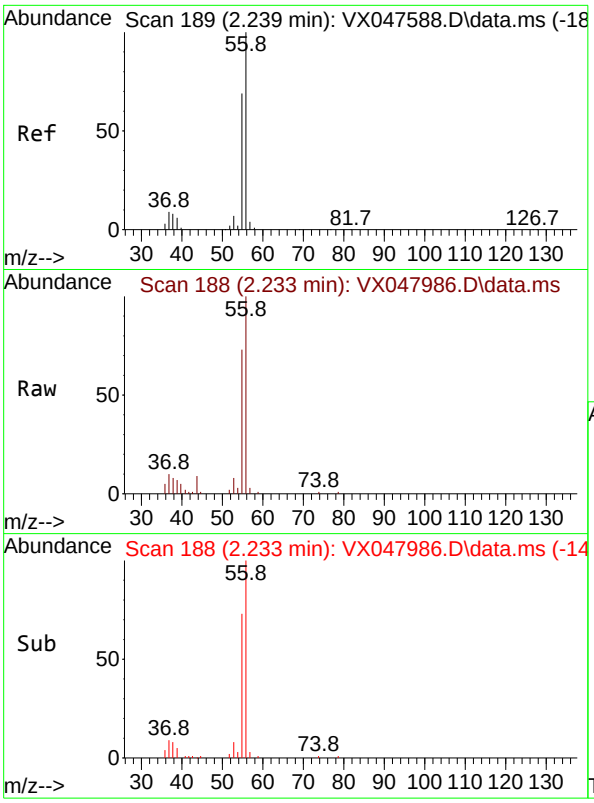


#12
1,1-Dichloroethene
Concen: 18.166 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 27340

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	65.4	47.7	71.5

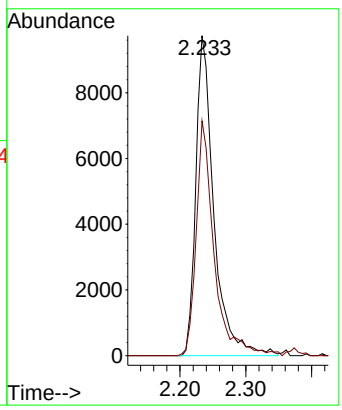




#13
Acrolein
Concen: 89.311 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 56 Resp: 1848

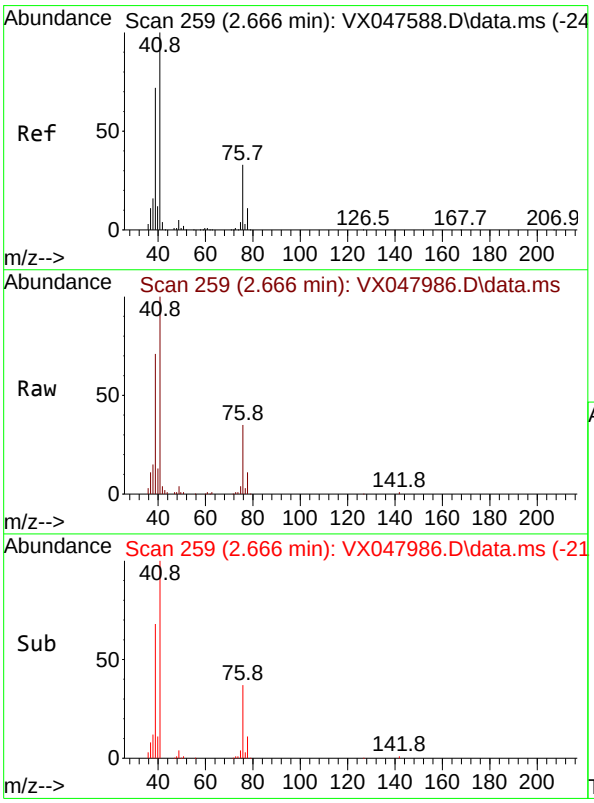
Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

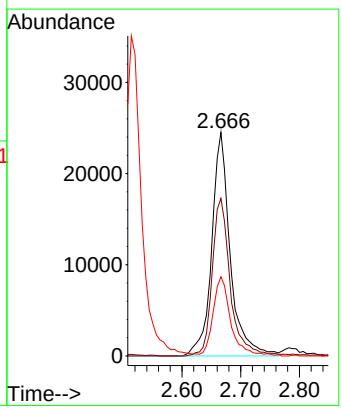
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

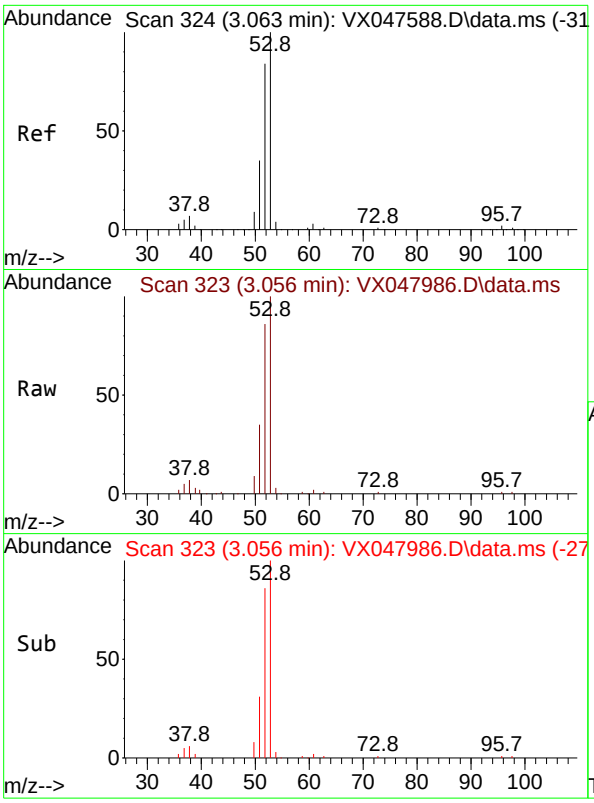


#14
Allyl chloride
Concen: 17.297 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 53719

Ion	Ratio	Lower	Upper
41	100		
39	68.9	54.7	82.1
76	33.7	25.7	38.5

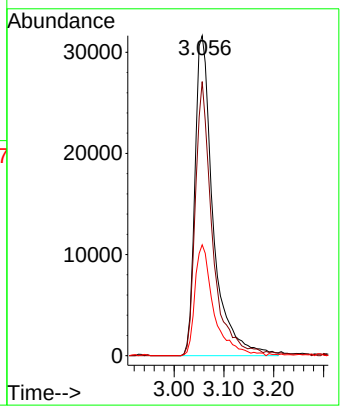




#15
Acrylonitrile
Concen: 96.830 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 53 Resp: 8054

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	35.8	29.5	44.3



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MSVOA_X
ClientSampleId :
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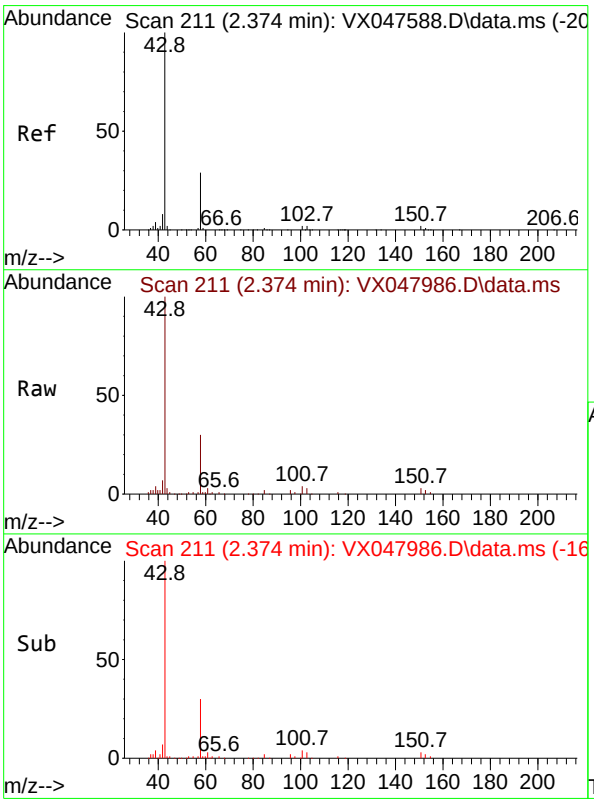
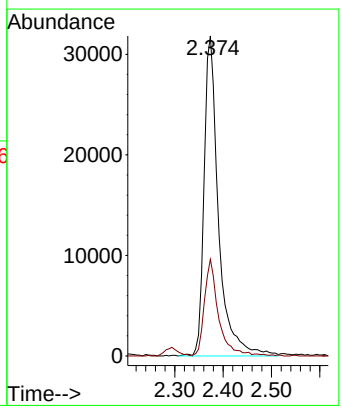
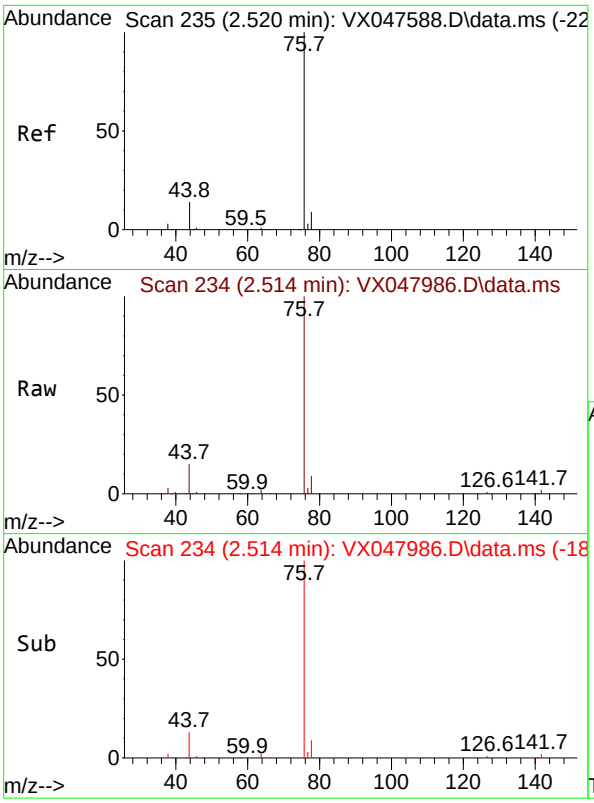


#16
Acetone
Concen: 75.338 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 66049

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0





#17
Carbon Disulfide
Concen: 16.408 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 76 Resp: 6760

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

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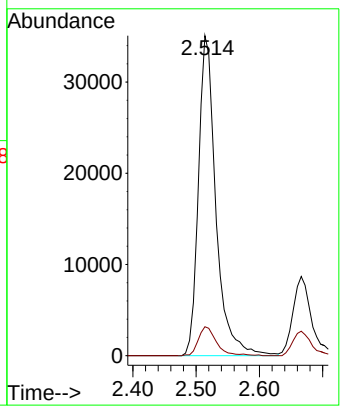
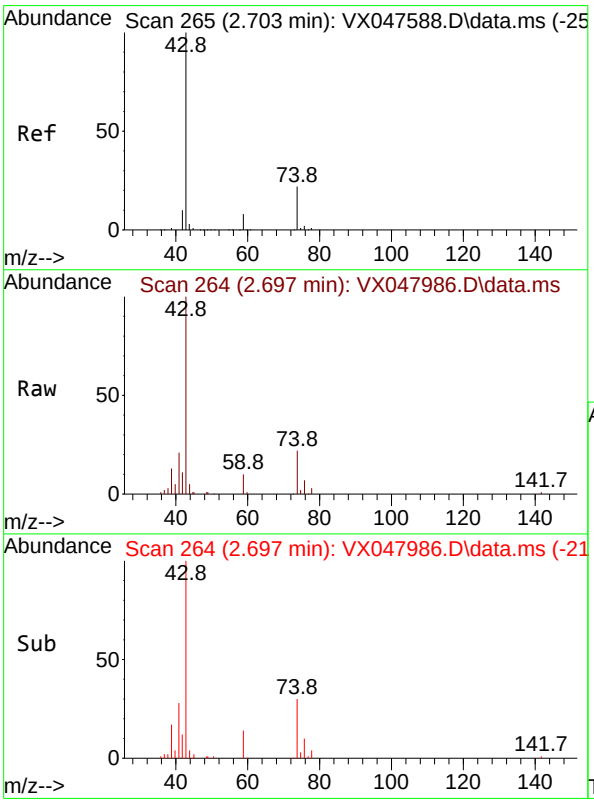
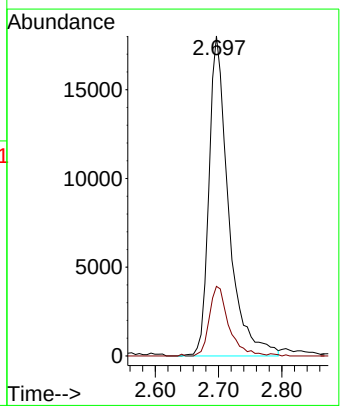


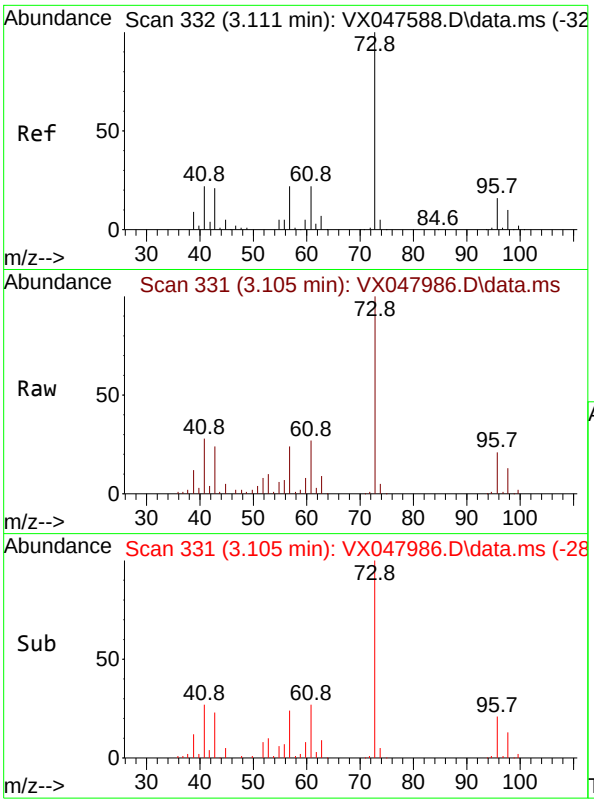


#18
Methyl Acetate
Concen: 19.934 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 38893

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 19.095 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 73 Resp: 10490

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
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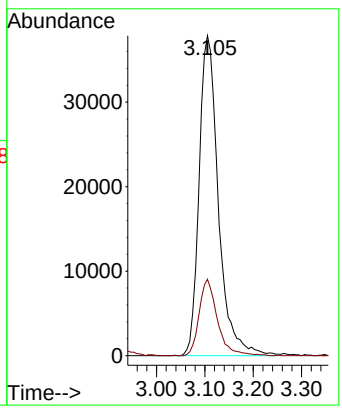
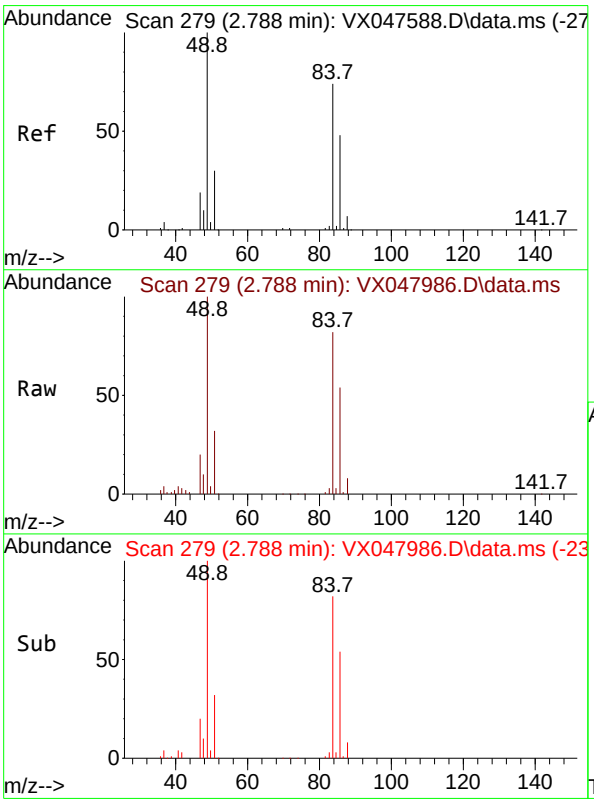
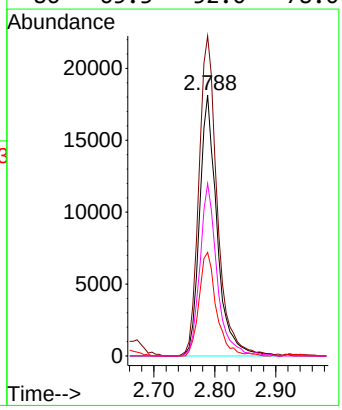


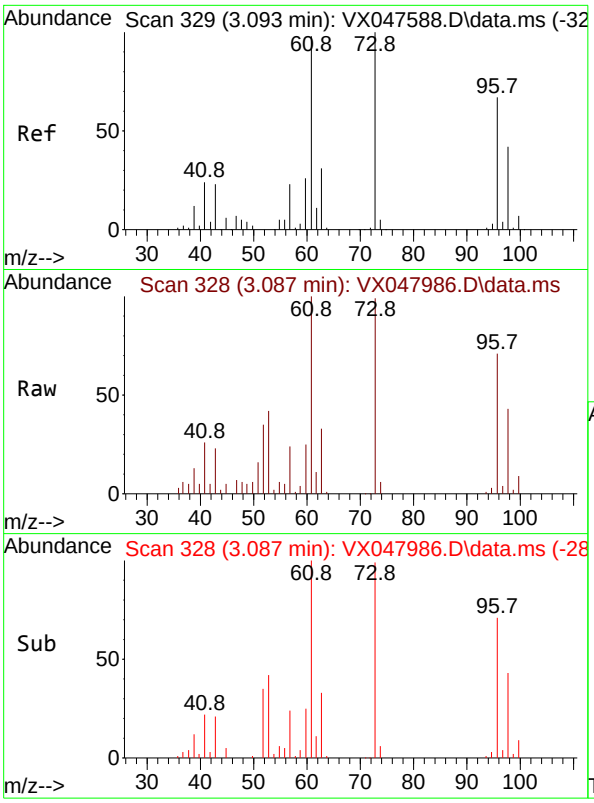


#20
Methylene Chloride
Concen: 19.560 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 84 Resp: 36299

Ion	Ratio	Lower	Upper
84	100		
49	118.9	108.6	162.8
51	38.5	32.6	48.8
86	65.3	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 18.540 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 3004

Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.2	174.2
98	60.2	49.3	73.9

Instrument :
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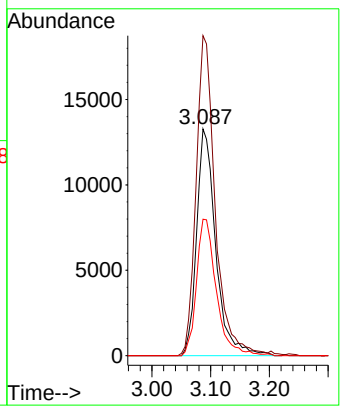
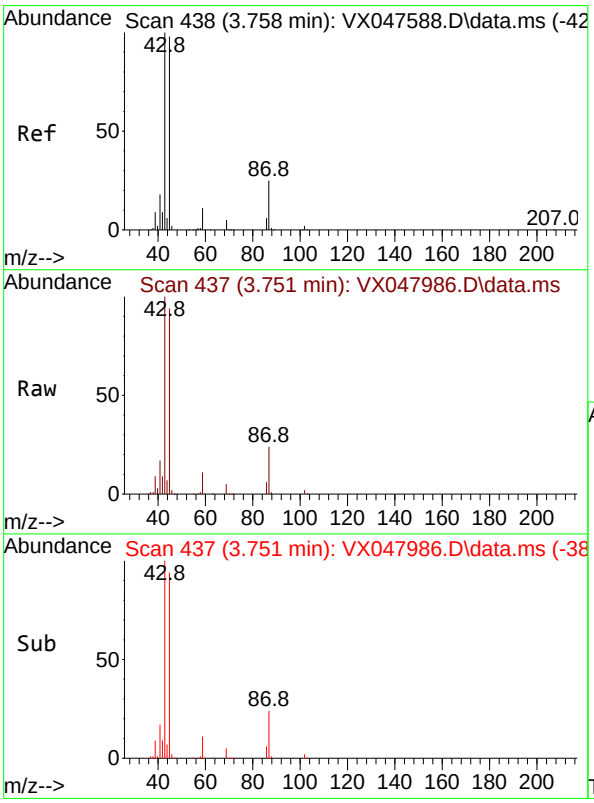
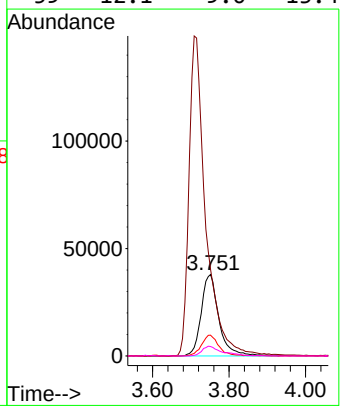


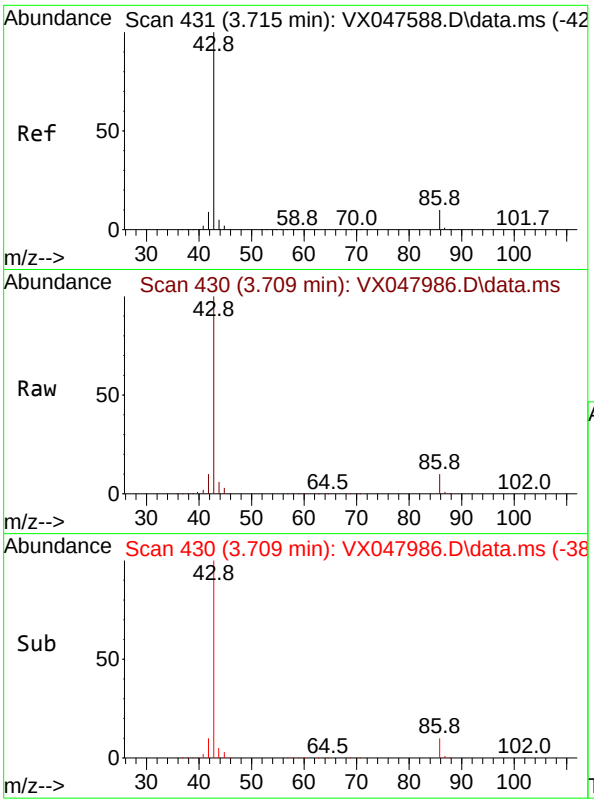


#22
Diisopropyl ether
Concen: 20.209 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 45 Resp: 121631

Ion	Ratio	Lower	Upper
45	100		
43	105.0	81.0	121.4
87	25.7	20.3	30.5
59	12.1	9.0	13.4





#23
Vinyl Acetate
Concen: 94.616 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 45577

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
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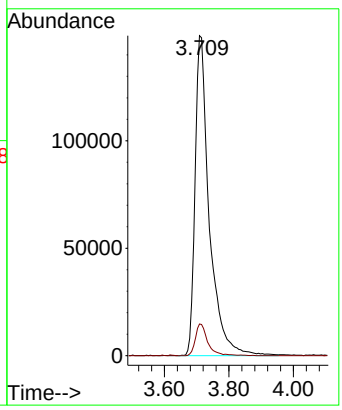
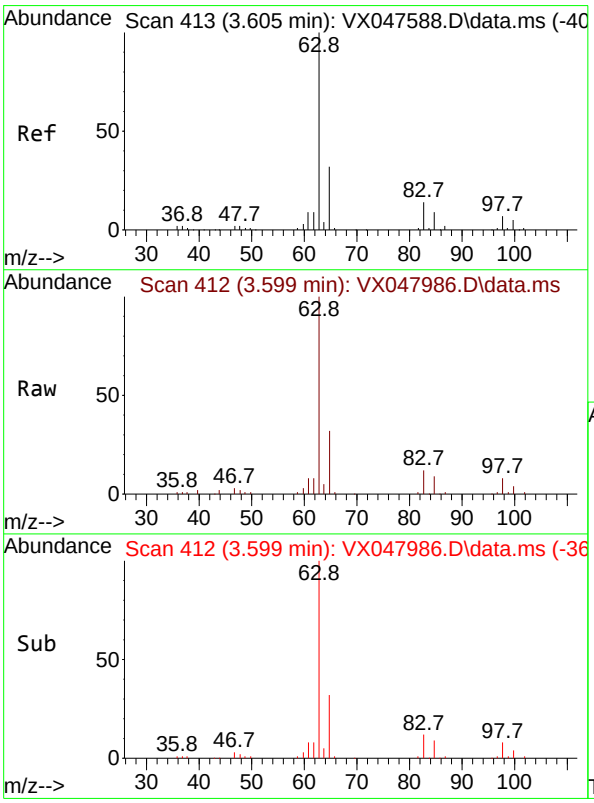
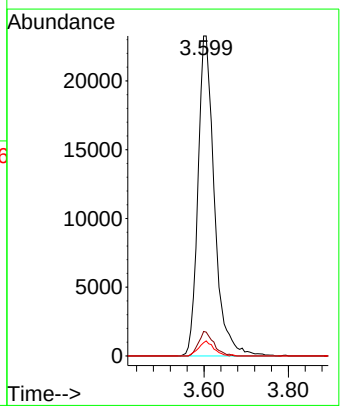


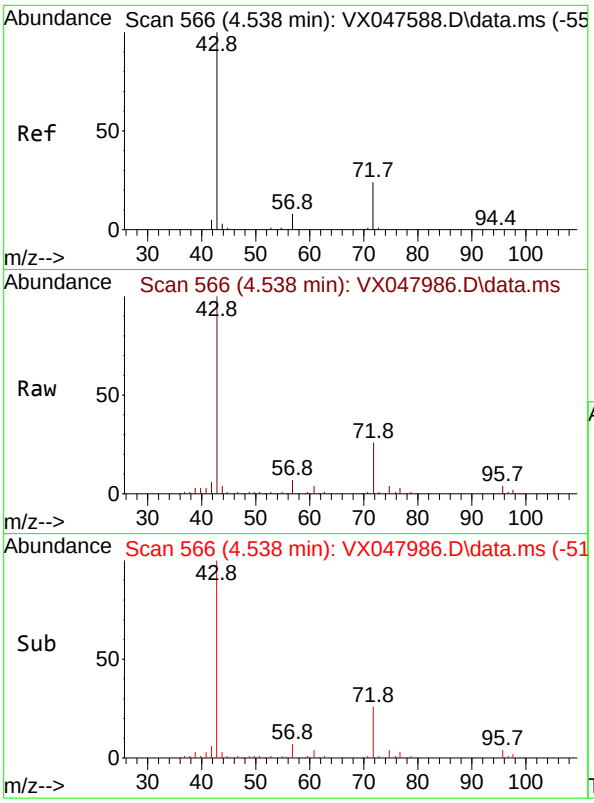


#24
1,1-Dichloroethane
Concen: 19.707 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 63044

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.2
100	4.1	2.3	6.9





#25
2-Butanone
Concen: 85.515 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 9351

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
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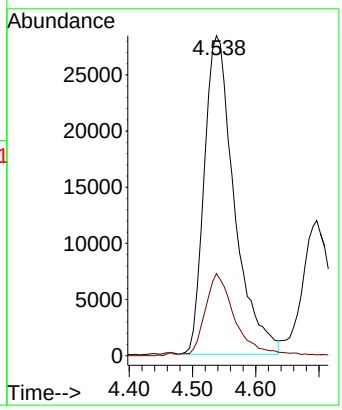
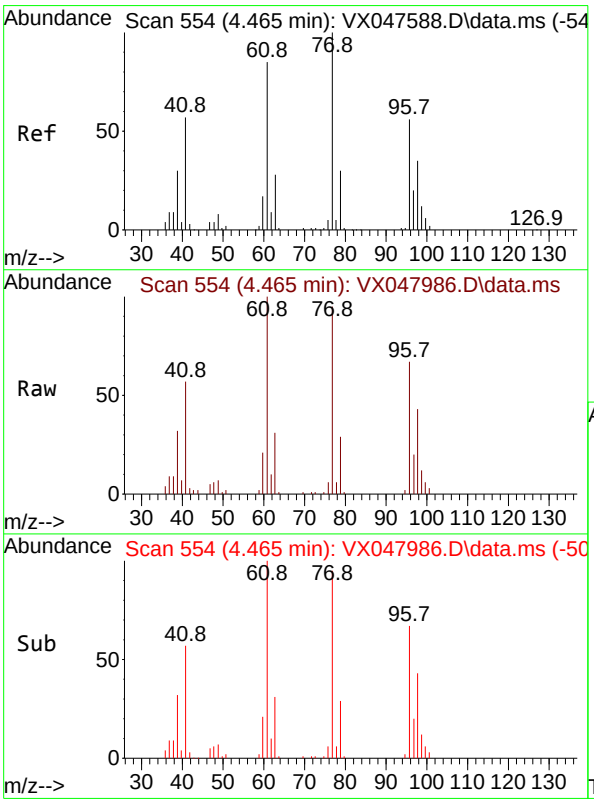
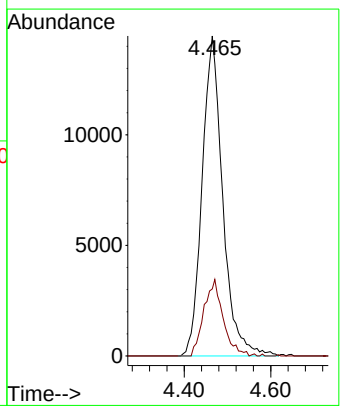


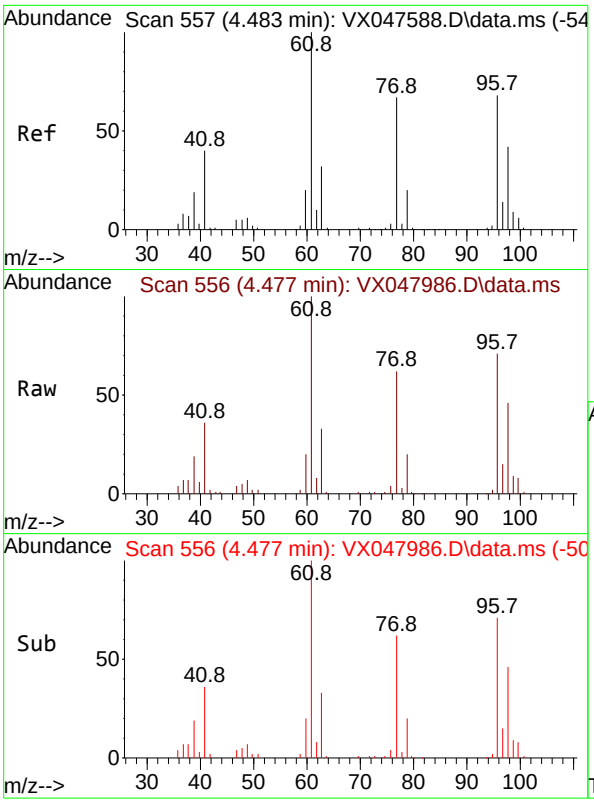


#26
2,2-Dichloropropane
Concen: 17.972 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 77 Resp: 47792

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7

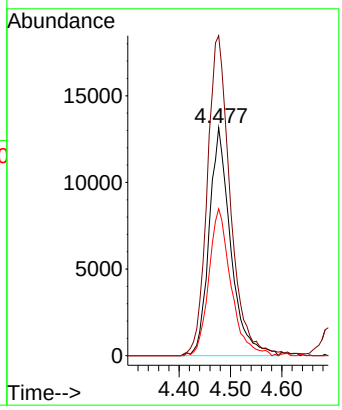




#27
cis-1,2-Dichloroethene
Concen: 19.334 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 3836

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	303.2
98	66.0	0.0	127.8



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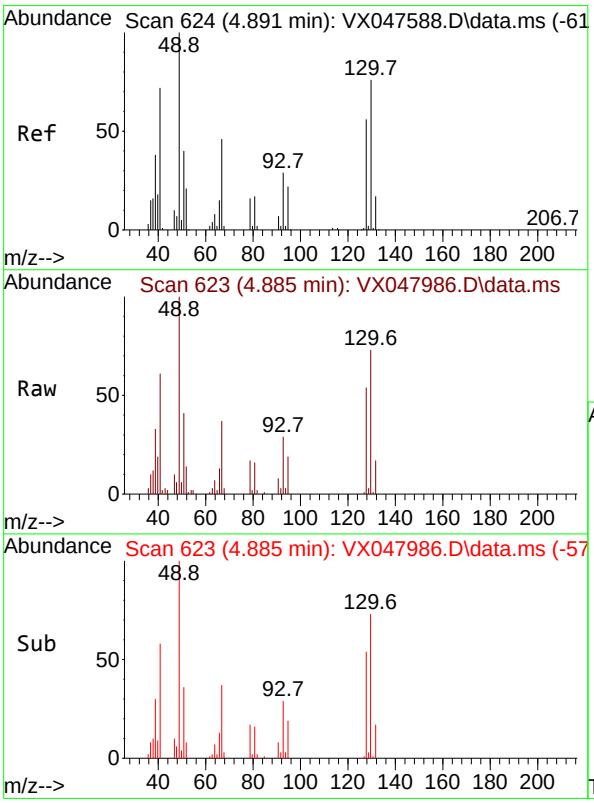
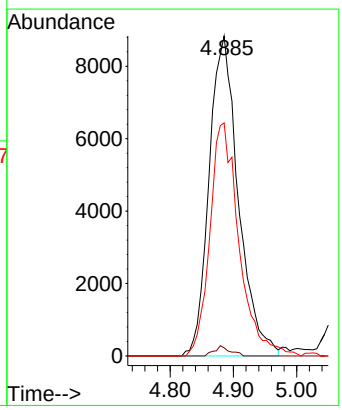
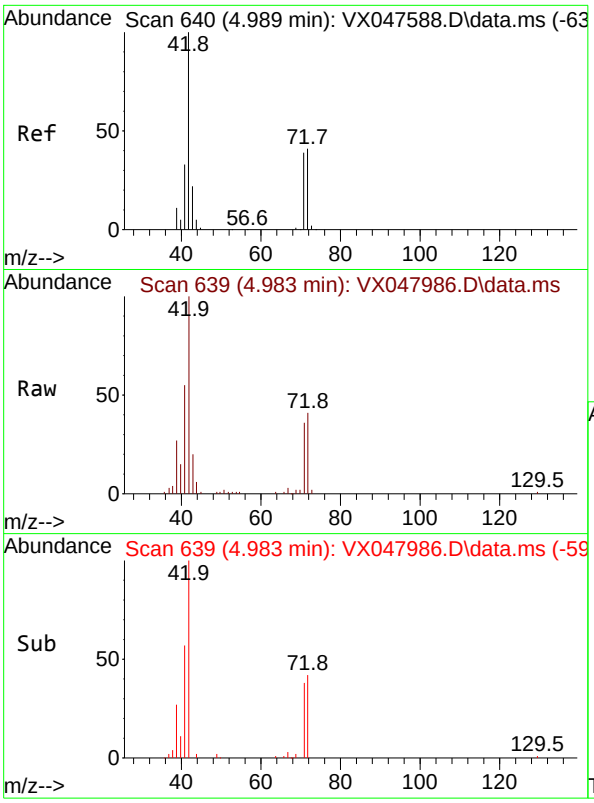


#28
Bromochloromethane
Concen: 20.319 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 49 Resp: 28377

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.4	57.8	86.8

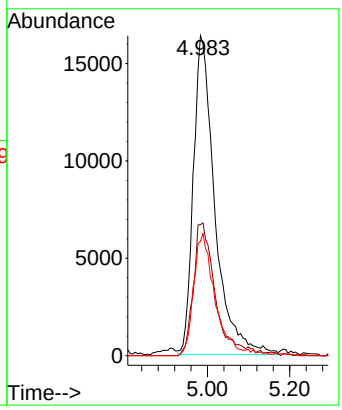




#29
Tetrahydrofuran
Concen: 90.406 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 42 Resp: 5947

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.5	31.9	47.9



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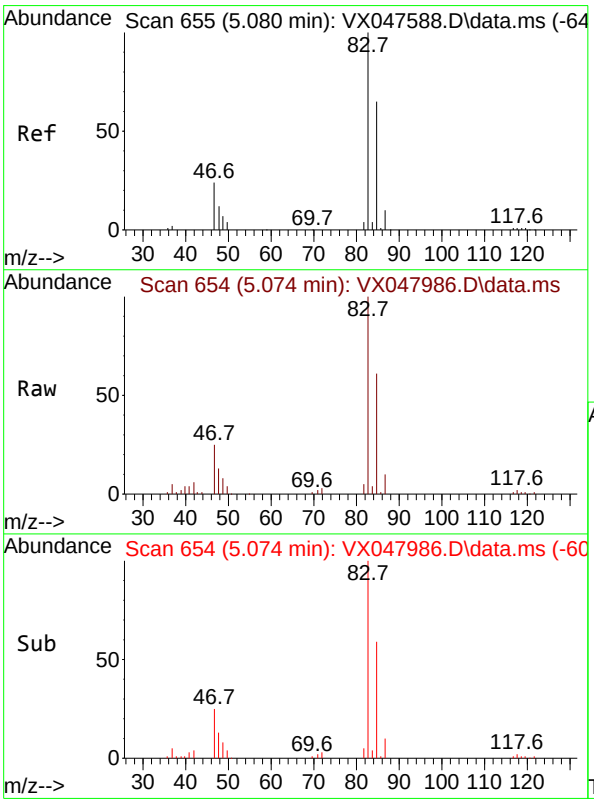
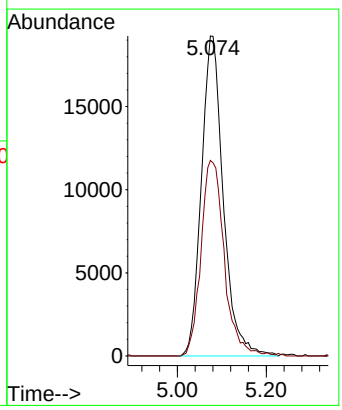
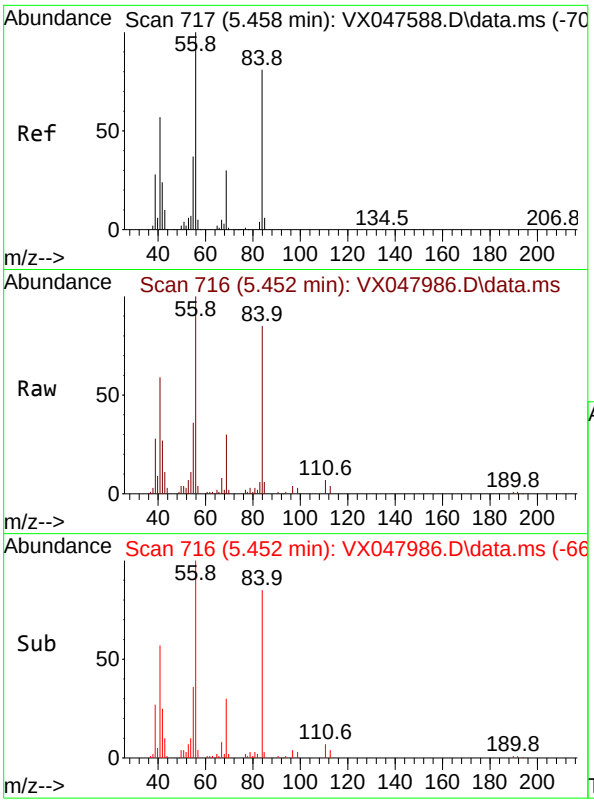


#30
Chloroform
Concen: 20.411 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 65984

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.8	77.6

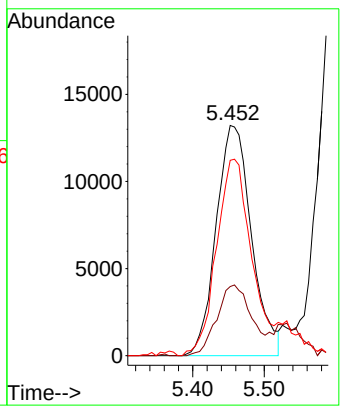




#31
Cyclohexane
Concen: 17.038 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 56 Resp: 4539

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	84.8	64.6	97.0



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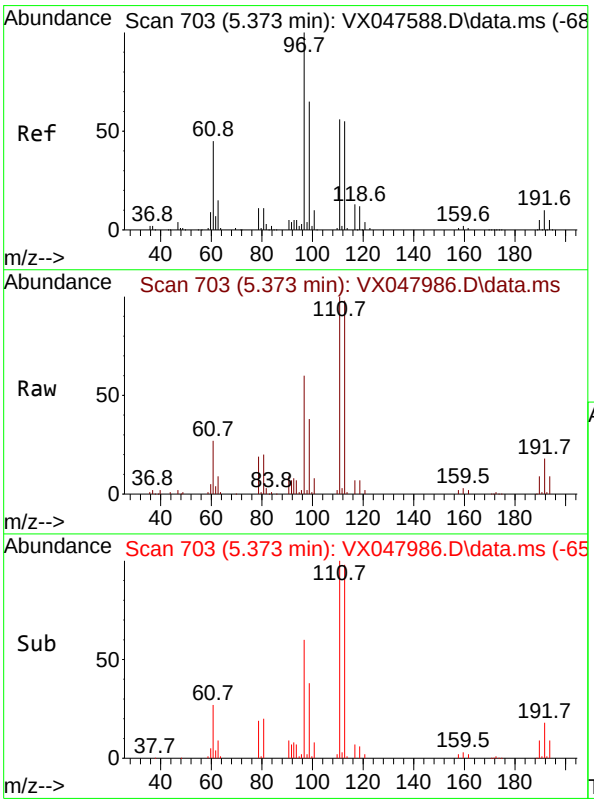
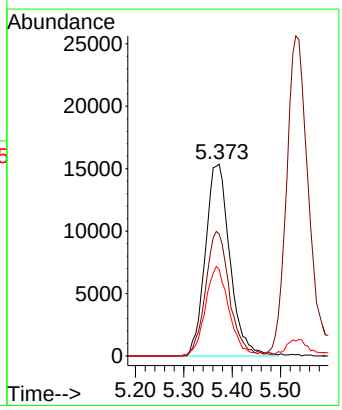
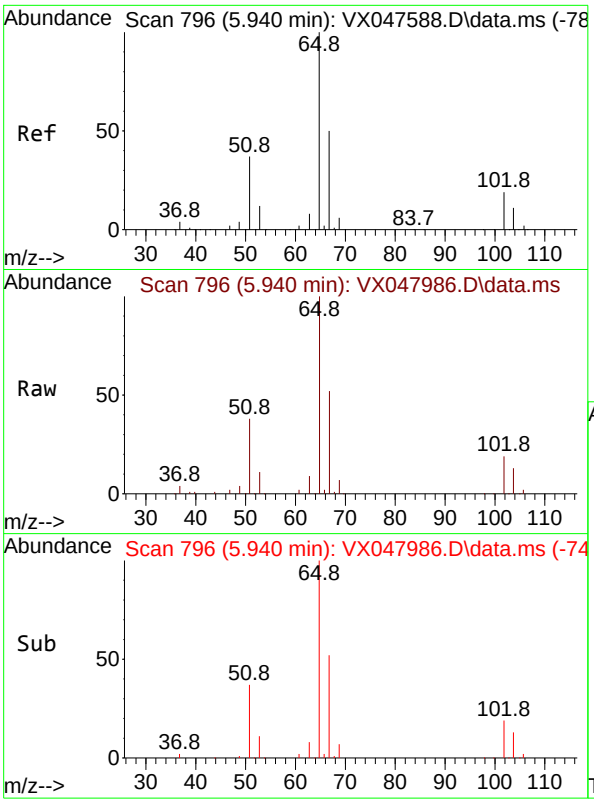


#32
1,1,1-Trichloroethane
Concen: 19.762 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 97 Resp: 54188

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.3	35.8	53.8

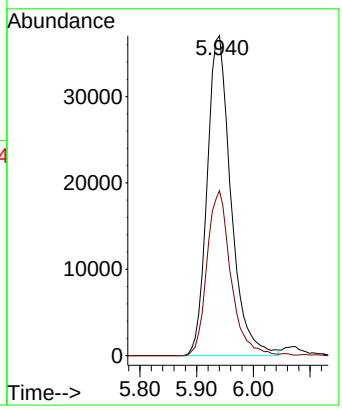




#33
1,2-Dichloroethane-d4
Concen: 53.561 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 65 Resp: 10799

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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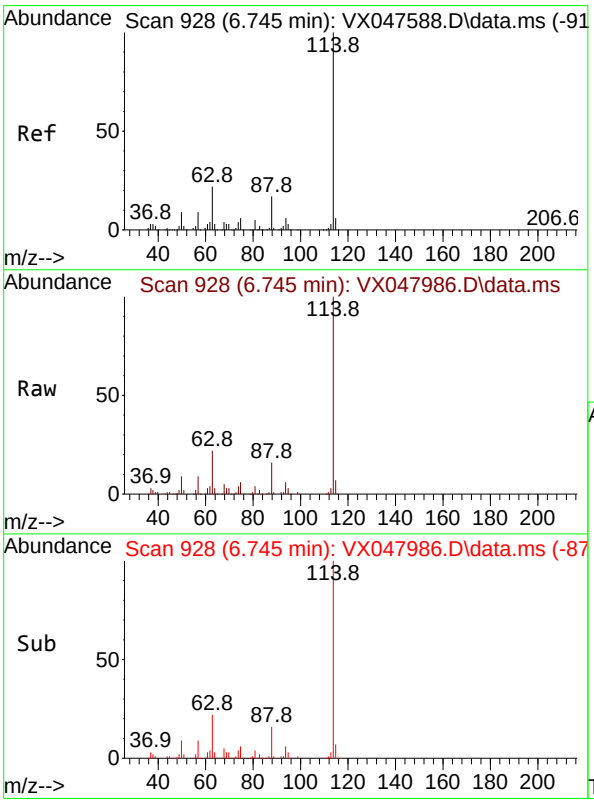
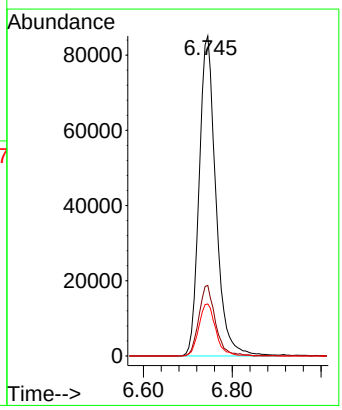
Supervised By :Semsettin Yesilyurt 10/06/2025

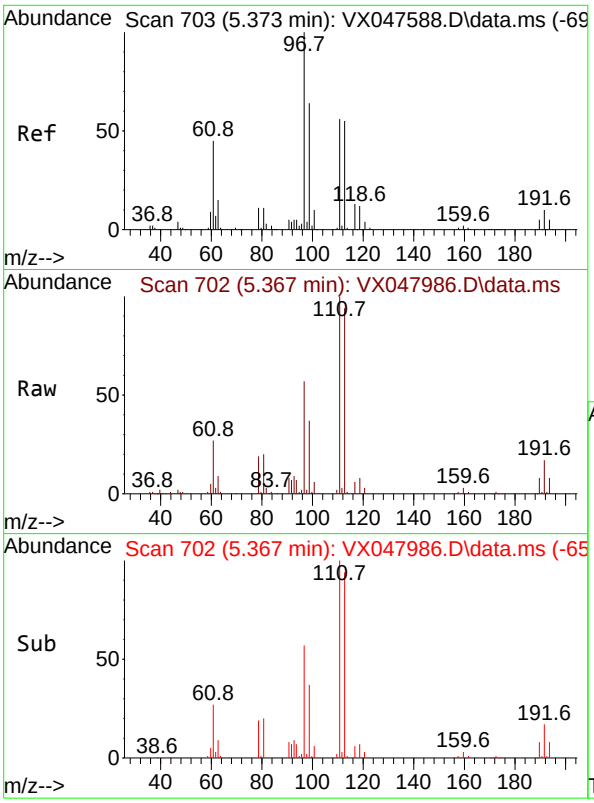


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:114 Resp: 223242

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.2	0.0	34.2

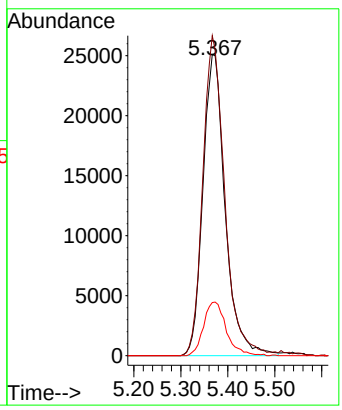




#35
Dibromofluoromethane
Concen: 55.059 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:113 Resp: 8243

Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	18.2	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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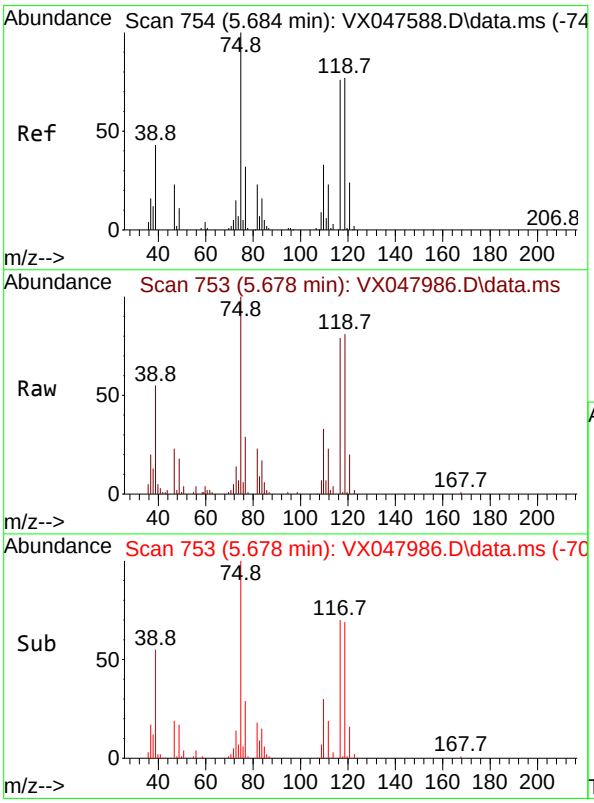
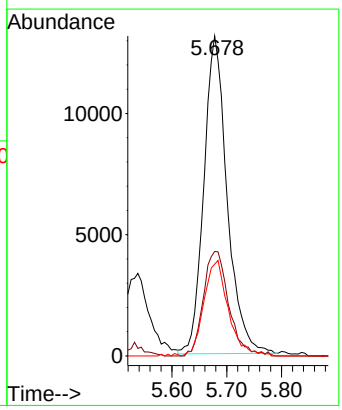
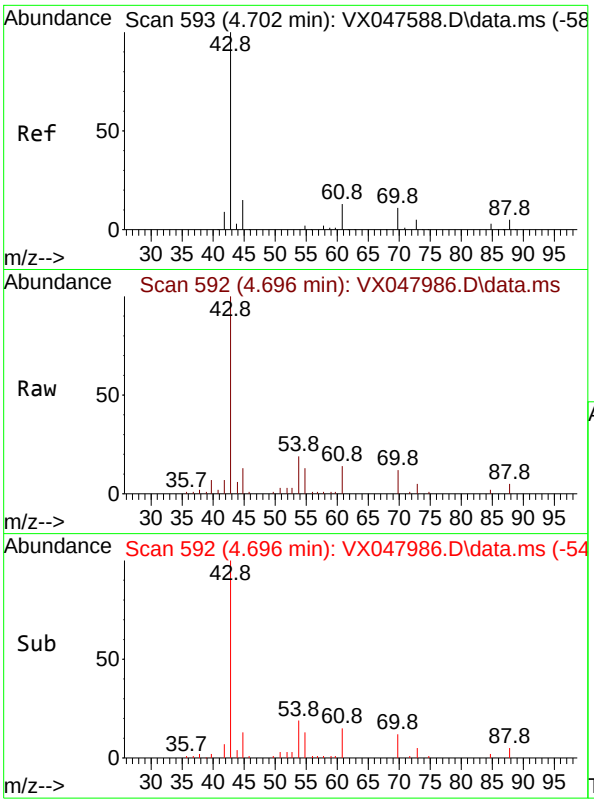


#36
1,1-Dichloropropene
Concen: 17.675 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 38668

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.7	50.1
77	31.5	24.3	36.5





#37
Ethyl Acetate
Concen: 17.785 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 4166

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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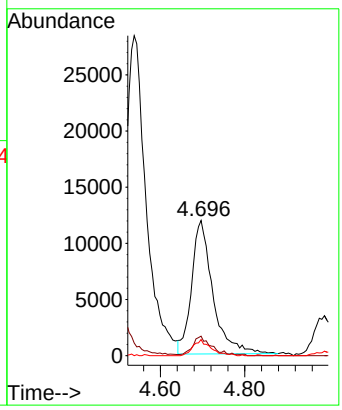
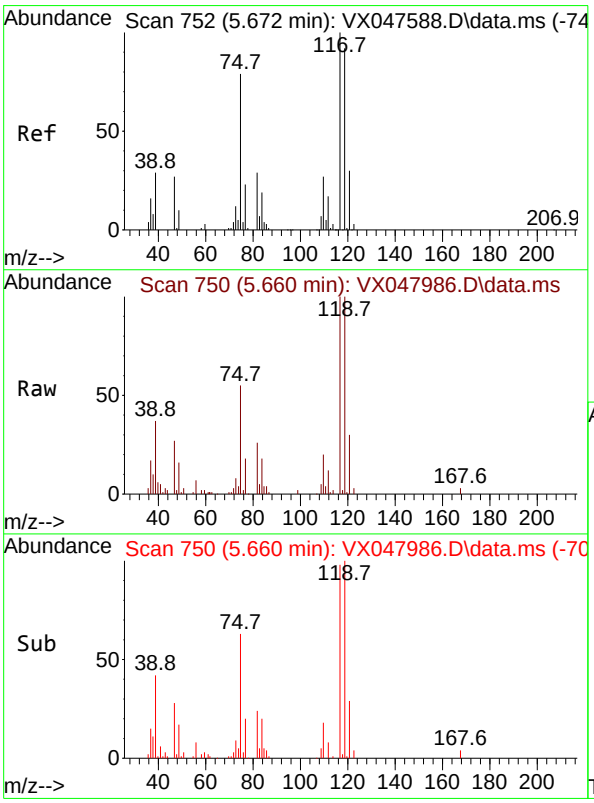
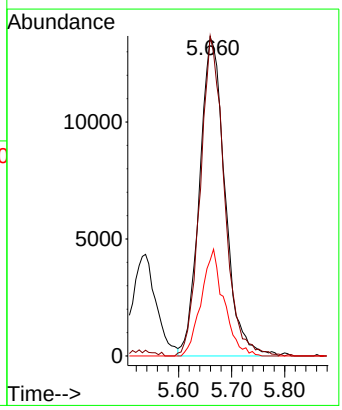


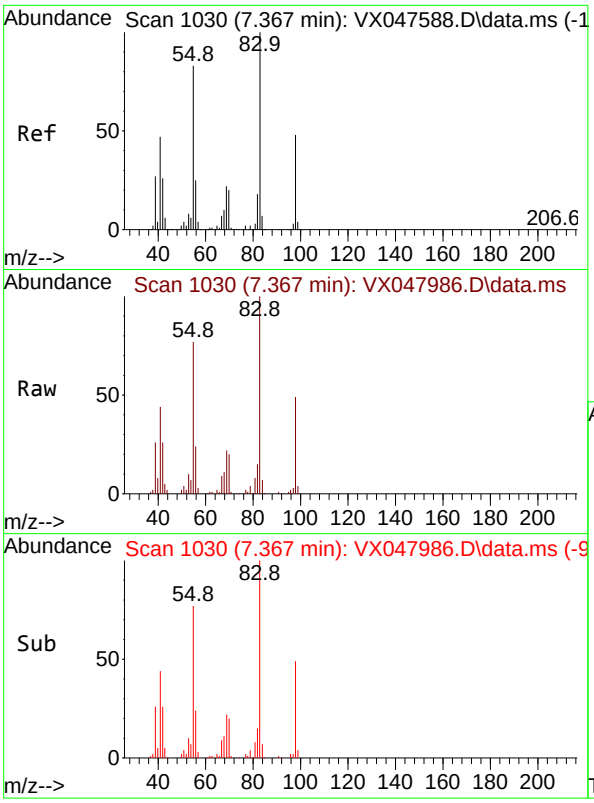


#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 45275

Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.4	110.2
121	30.1	23.8	35.6





#39
Methylcyclohexane
Concen: 17.704 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 4396

Ion	Ratio	Lower	Upper
83	100		
55	76.6	66.4	99.6
98	49.5	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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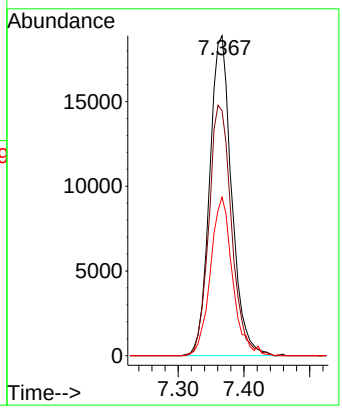
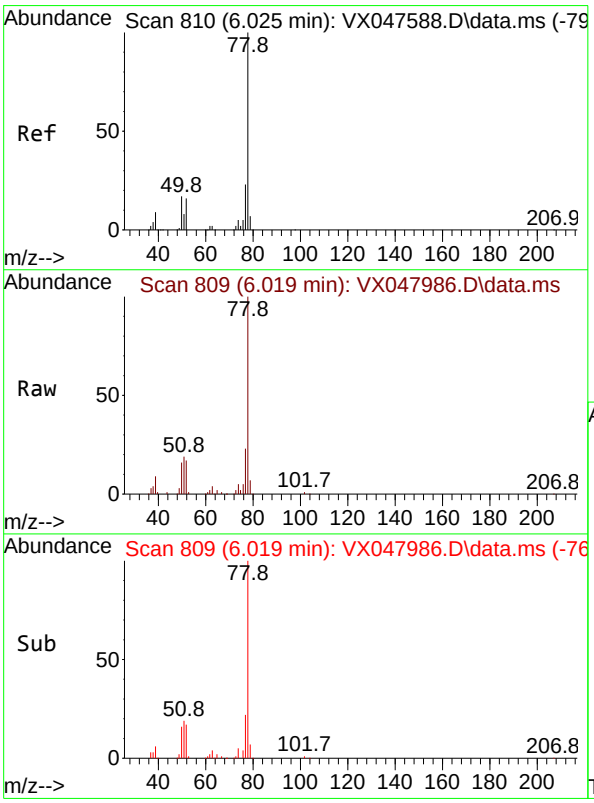
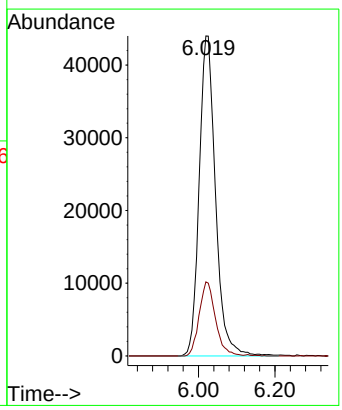


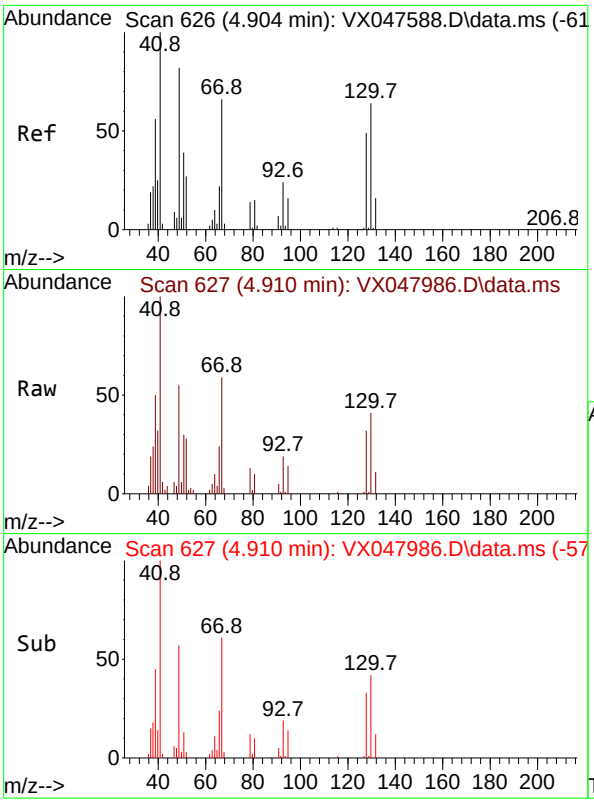


#40
Benzene
Concen: 19.597 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 78 Resp: 130214

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

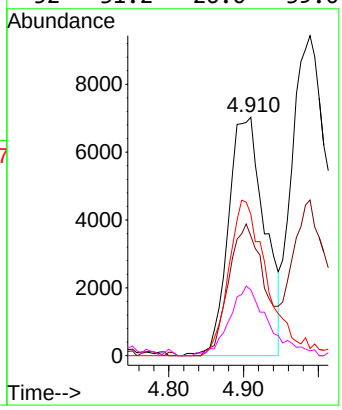




#41
Methacrylonitrile
Concen: 19.606 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 2370

Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	69.4	58.6	87.8
52	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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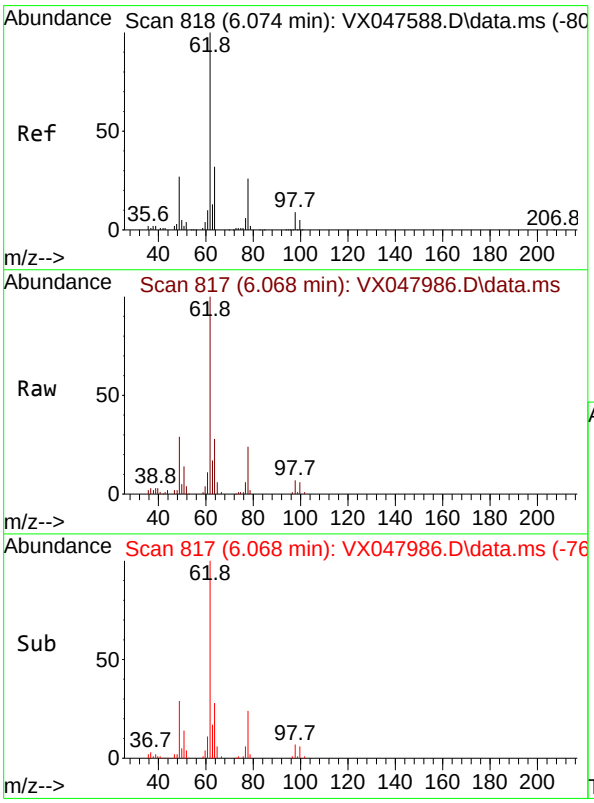
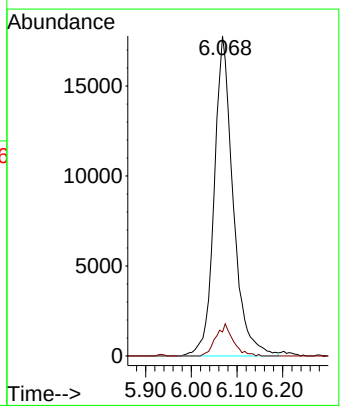
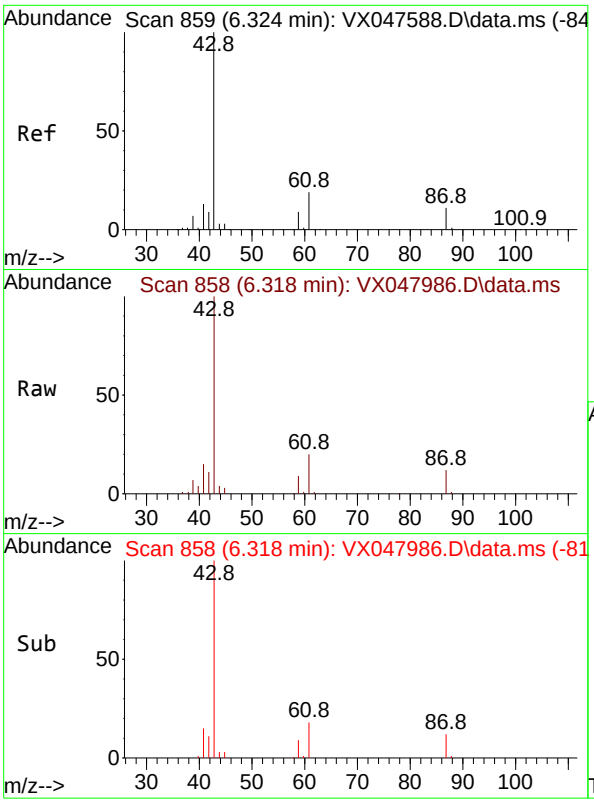


#42
1,2-Dichloroethane
Concen: 20.271 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 51249

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0





#43
Isopropyl Acetate
Concen: 18.206 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 6994

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.2	22.8
87	12.1	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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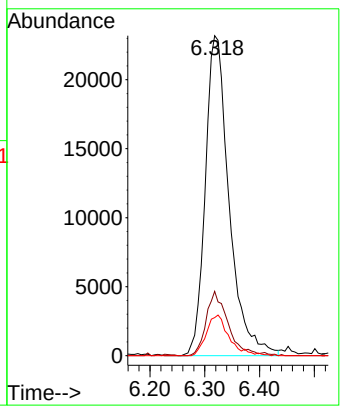
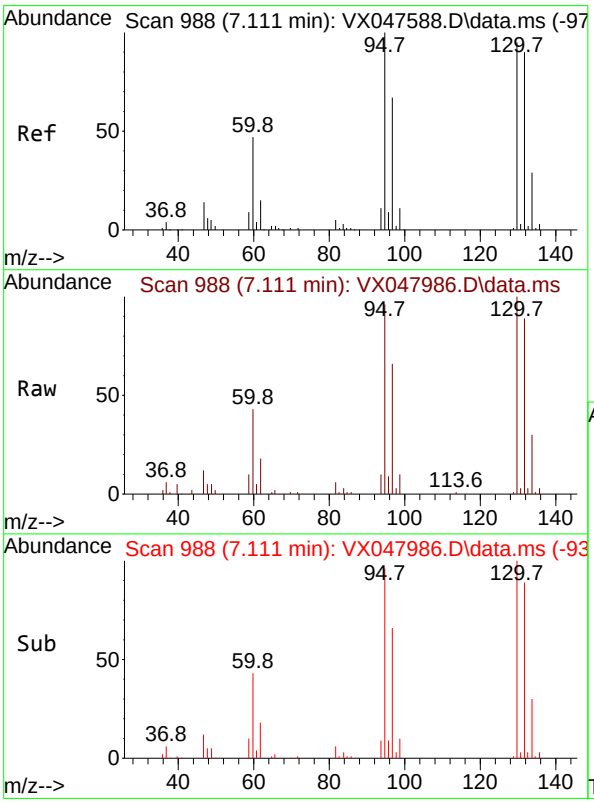
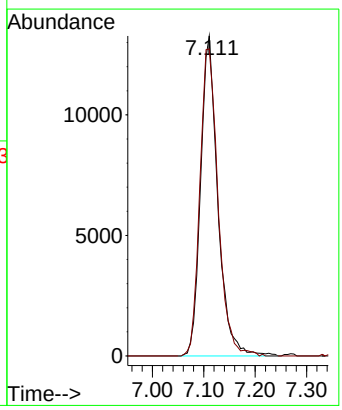


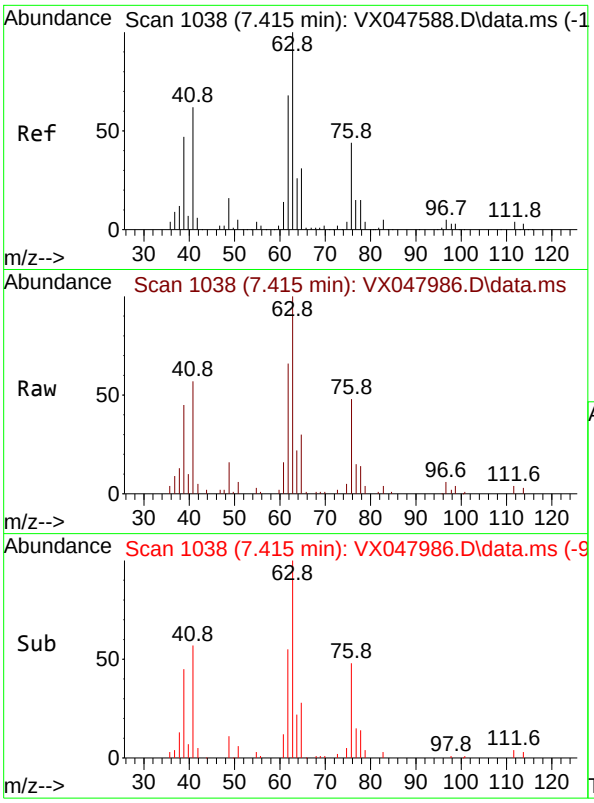


#44
Trichloroethene
Concen: 19.162 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:130 Resp: 30783

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	210.8





#45
1,2-Dichloropropane
Concen: 20.370 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 3465

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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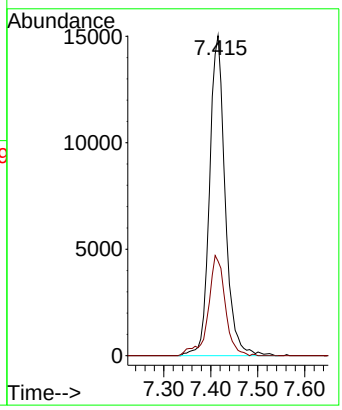
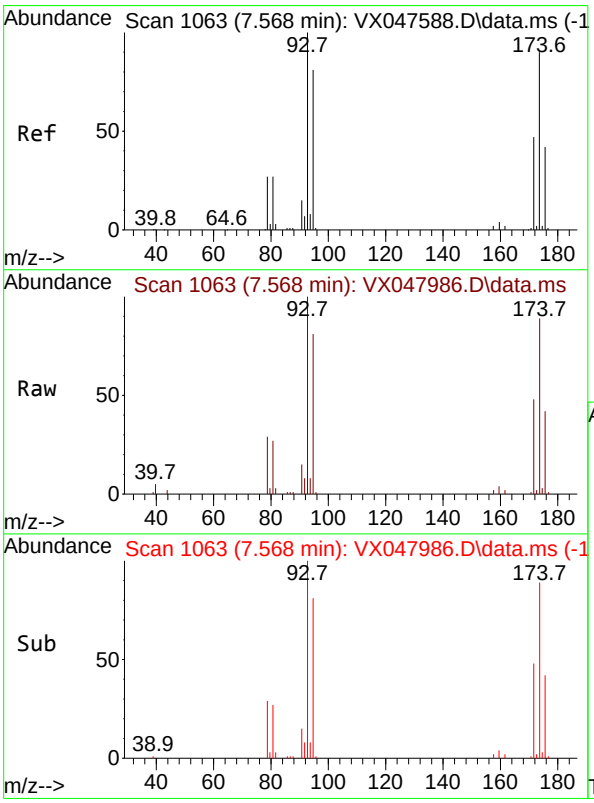
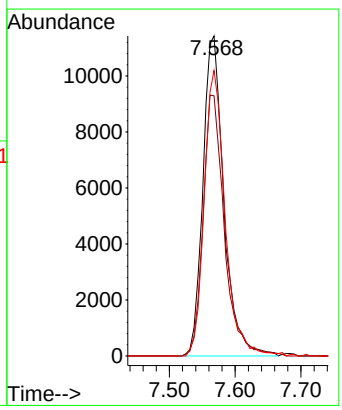


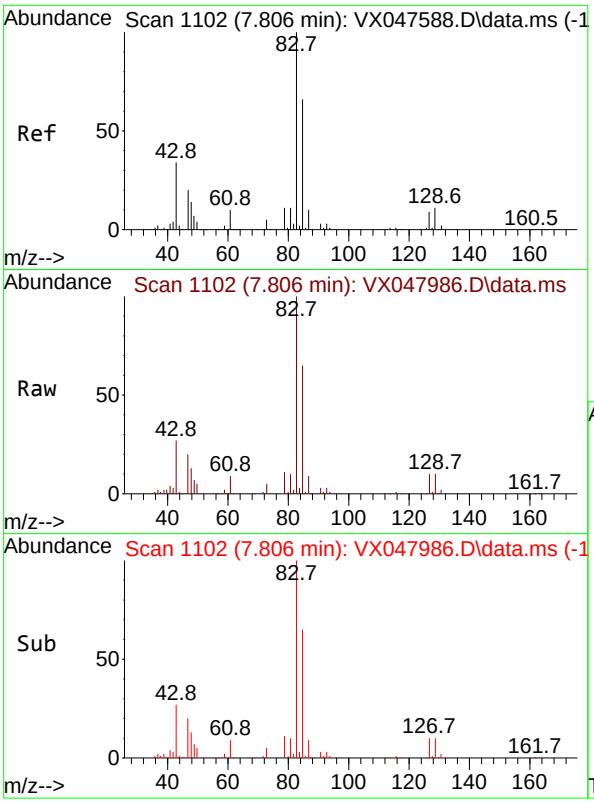


#46
Dibromomethane
Concen: 20.408 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 93 Resp: 25268

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	89.3	71.6	107.4

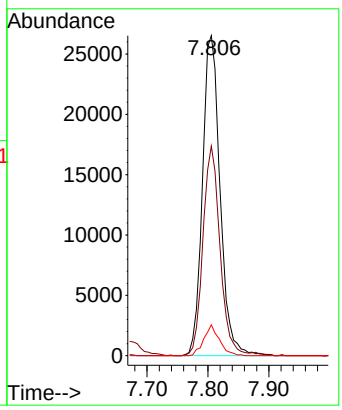




#47
Bromodichloromethane
Concen: 20.890 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 5337

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.5	78.7
127	9.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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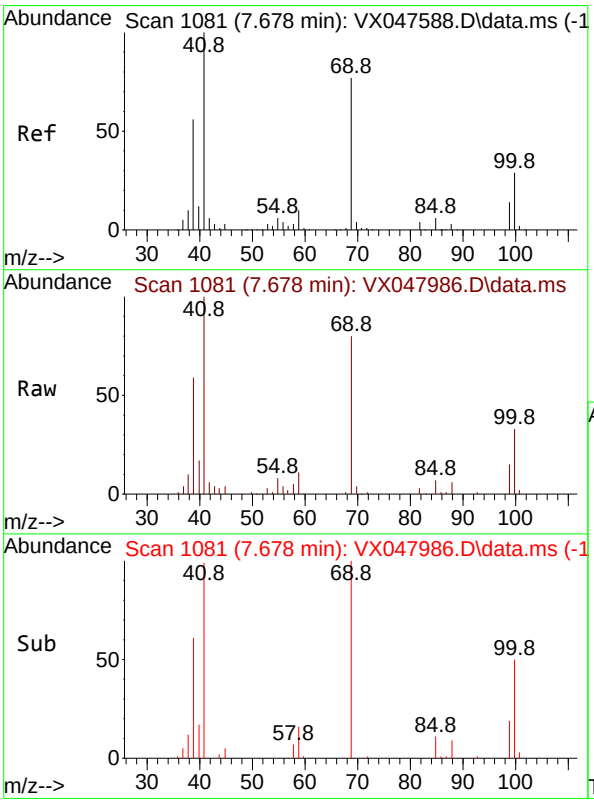
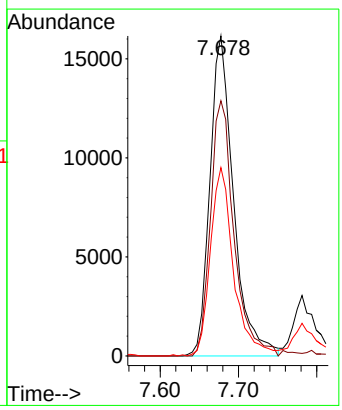
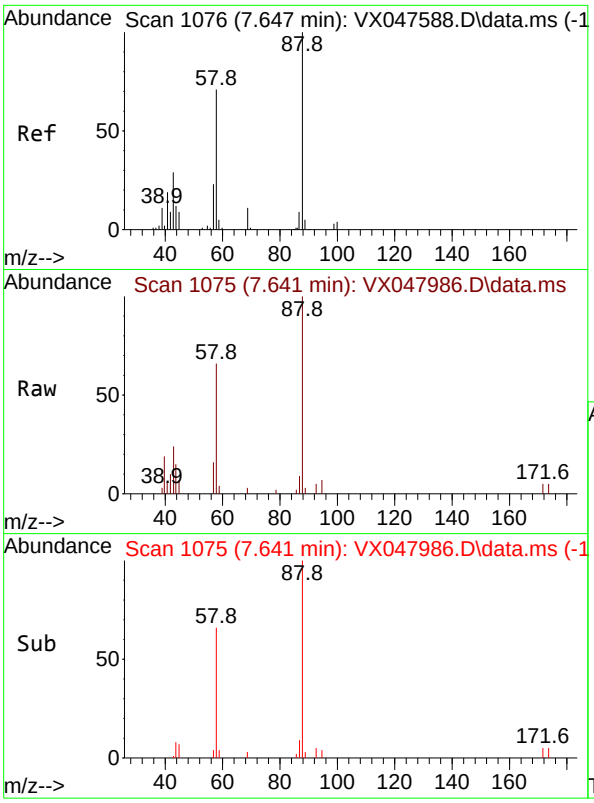


#48
Methyl methacrylate
Concen: 17.706 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 33882

Ion	Ratio	Lower	Upper
41	100		
69	79.3	61.4	92.2
39	57.6	45.8	68.6





#49
1,4-Dioxane
Concen: 403.637 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 88 Resp: 780

Ion	Ratio	Lower	Upper
88	100		
43	40.0	30.2	45.2
58	75.2	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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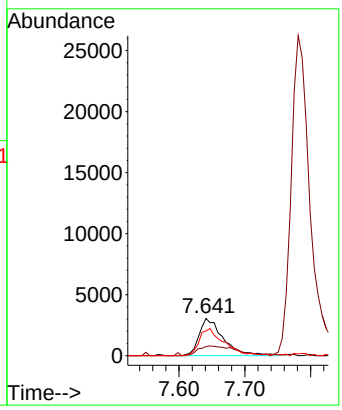
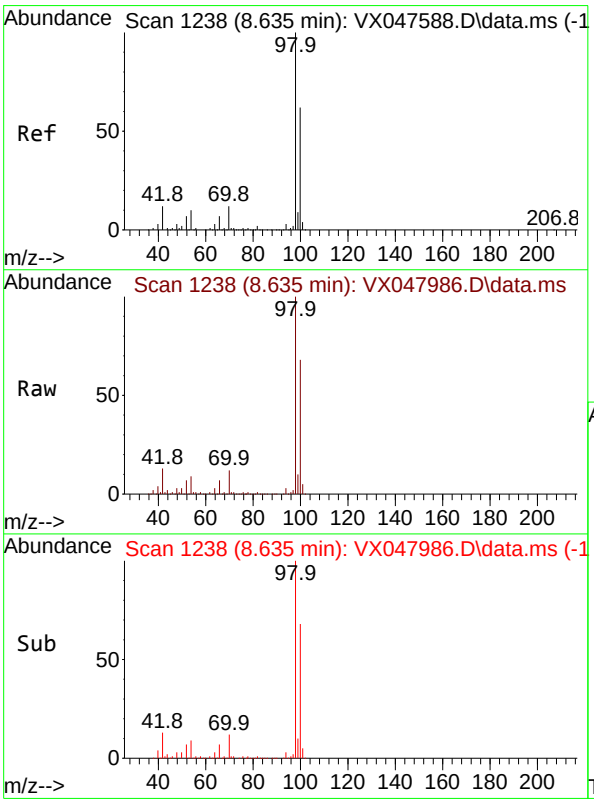
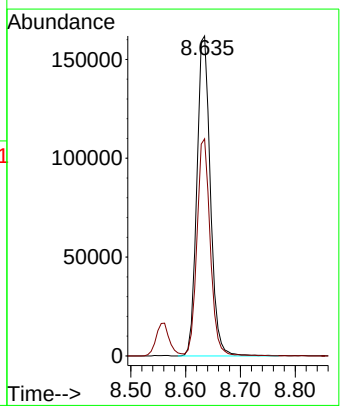


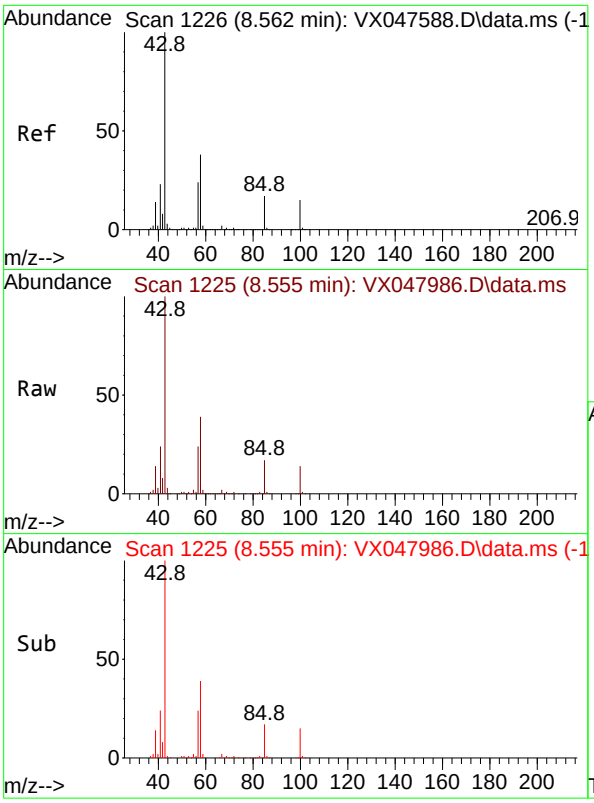


#50
Toluene-d8
Concen: 53.602 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 98 Resp: 277687

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

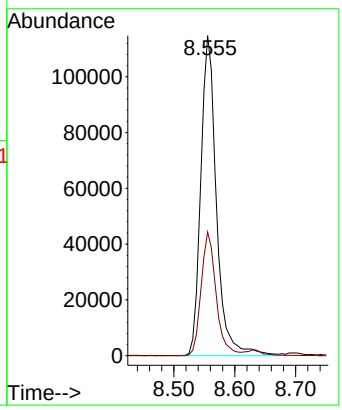




#51
4-Methyl-2-Pentanone
Concen: 96.266 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 20505

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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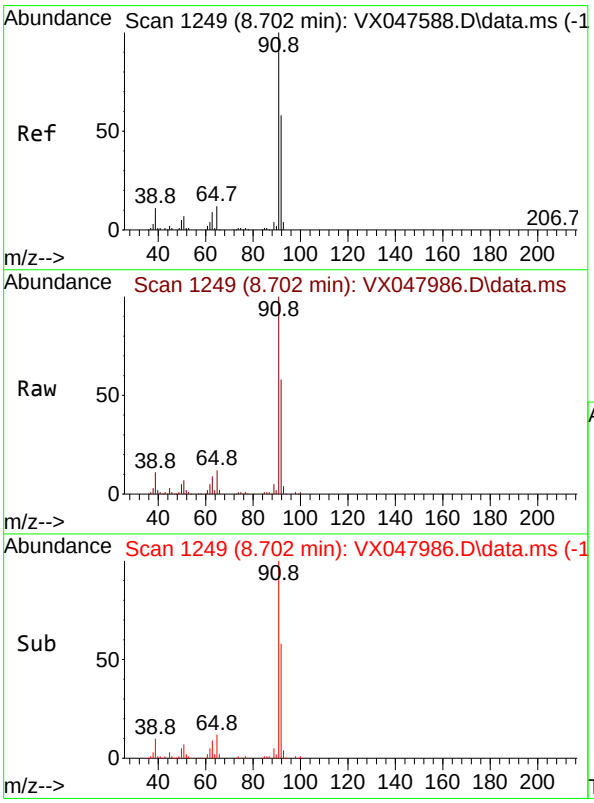
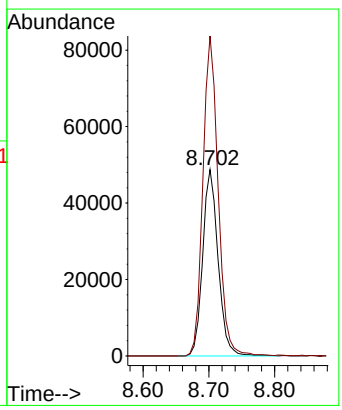
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

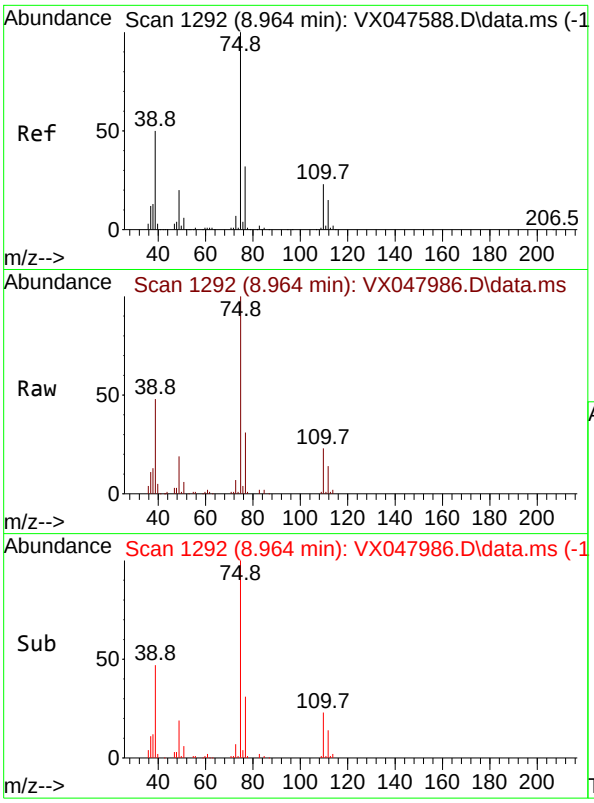


#52
Toluene
Concen: 19.401 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 92 Resp: 79425

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.1	205.7

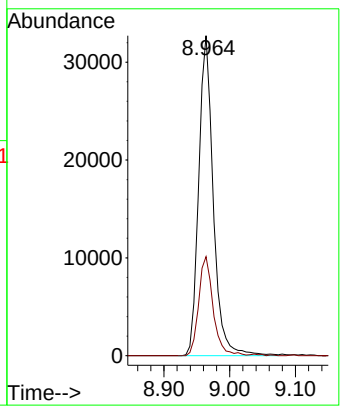




#53
t-1,3-Dichloropropene
Concen: 19.312 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 5033

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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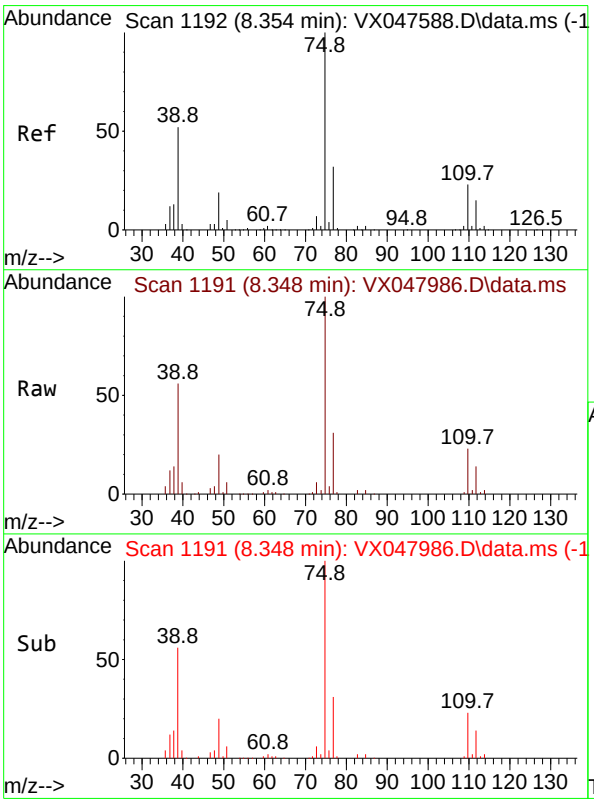
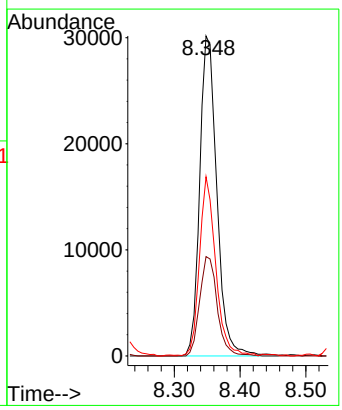
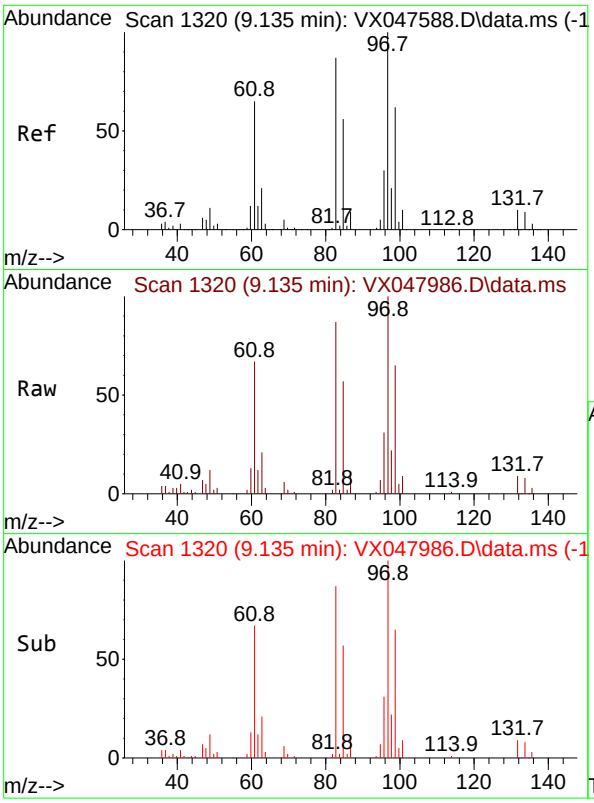


#54
cis-1,3-Dichloropropene
Concen: 19.620 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 54652

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	54.2	41.4	62.2

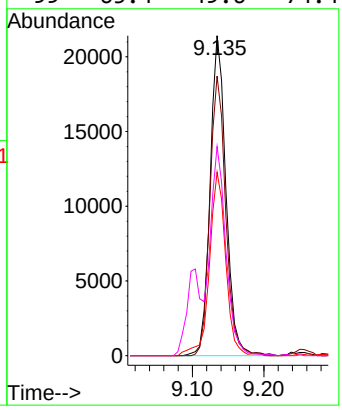




#55
1,1,2-Trichloroethane
Concen: 20.914 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 97 Resp: 3301

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	57.3	45.0	67.6
99	65.4	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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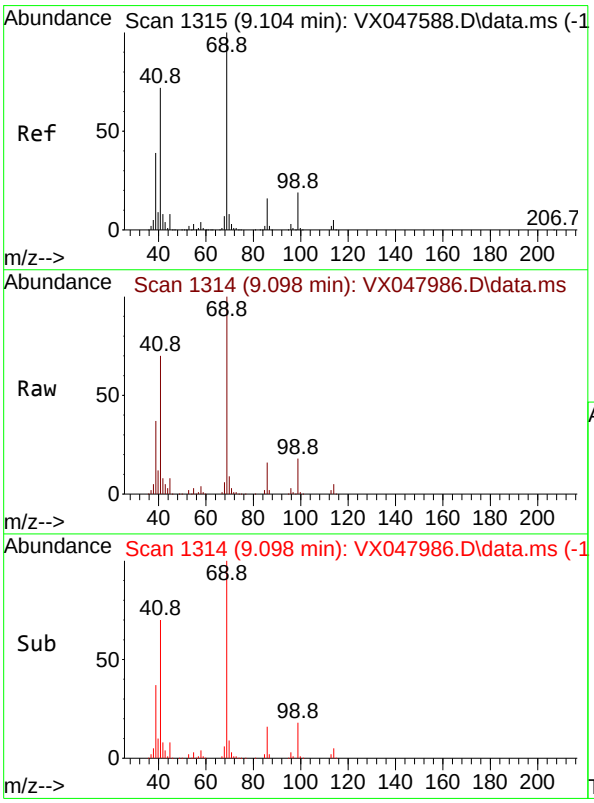
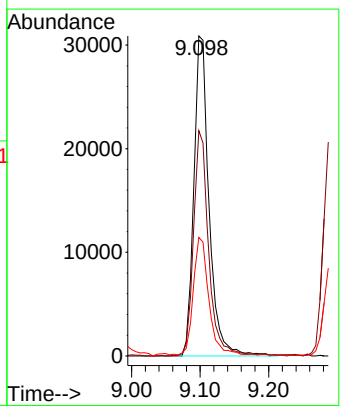
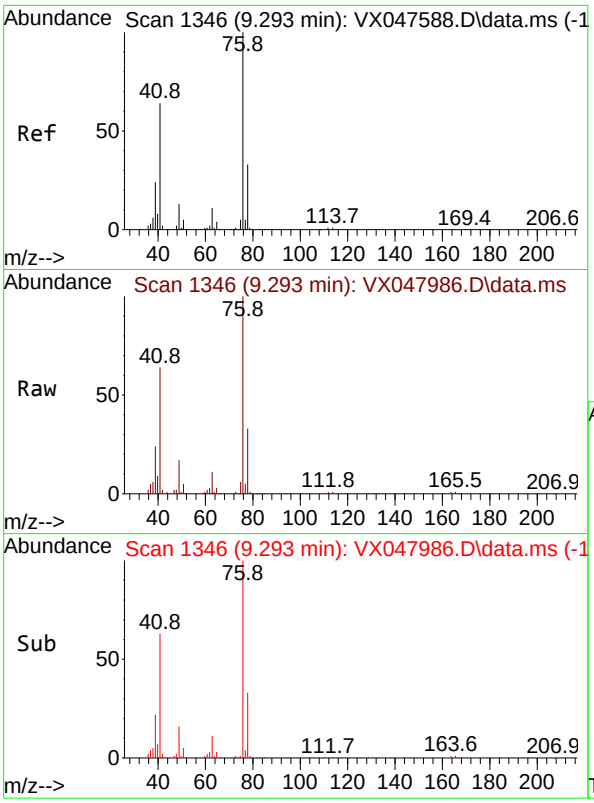


#56
Ethyl methacrylate
Concen: 19.233 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 69 Resp: 47680

Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.6	87.8
39	36.9	31.5	47.3





#57
1,3-Dichloropropane
Concen: 21.195 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 76 Resp: 5747

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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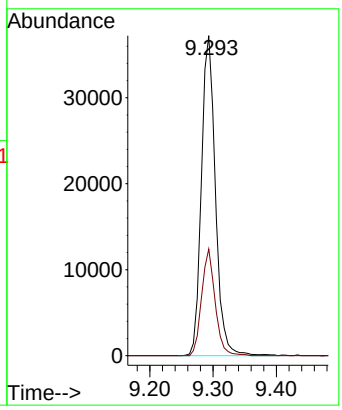
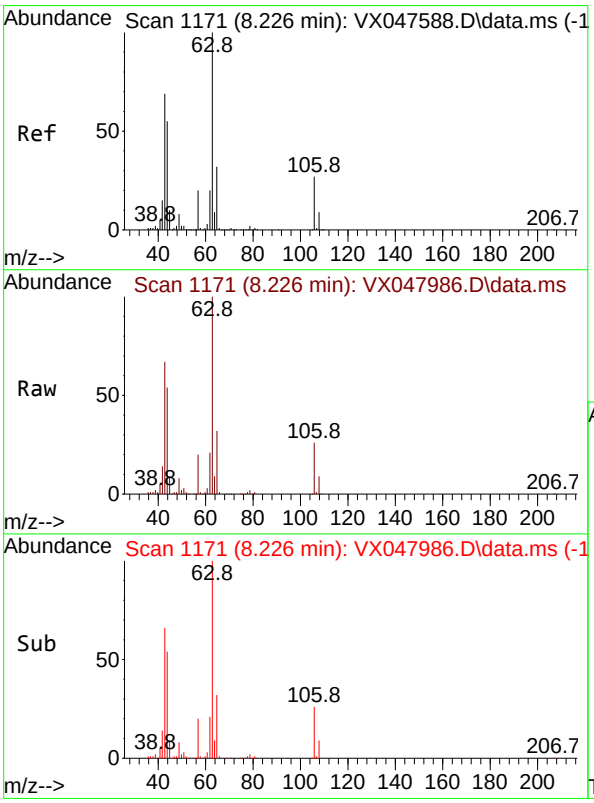
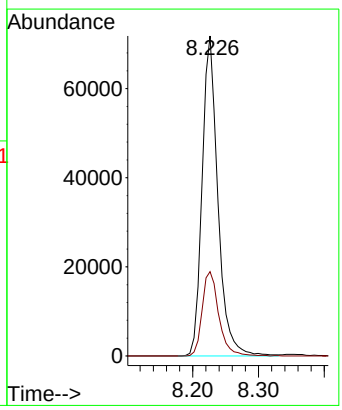


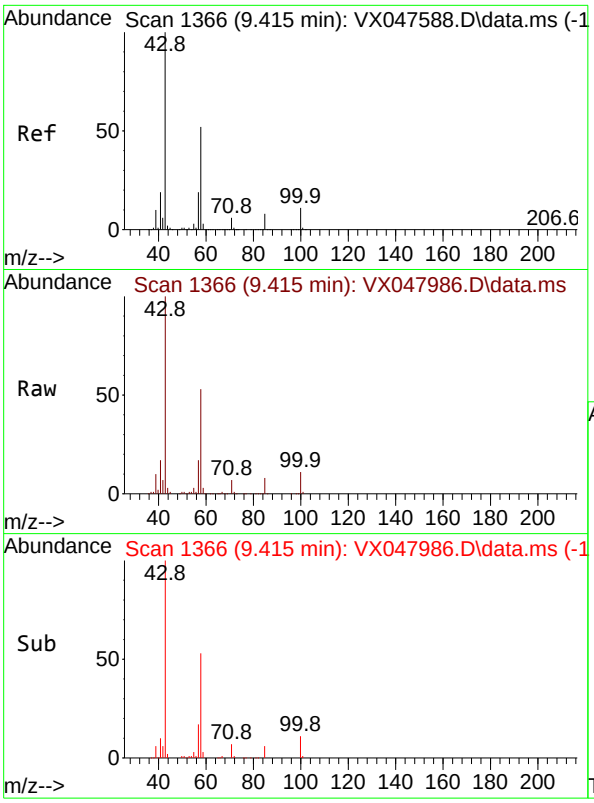


#58
2-Chloroethyl Vinyl ether
Concen: 108.060 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 119833

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59
2-Hexanone
Concen: 88.459 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 13532

Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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Reviewed By :Mahesh Dadoda 10/06/2025
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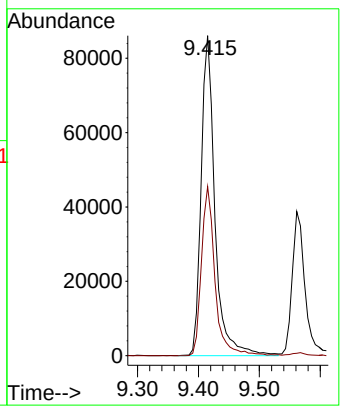
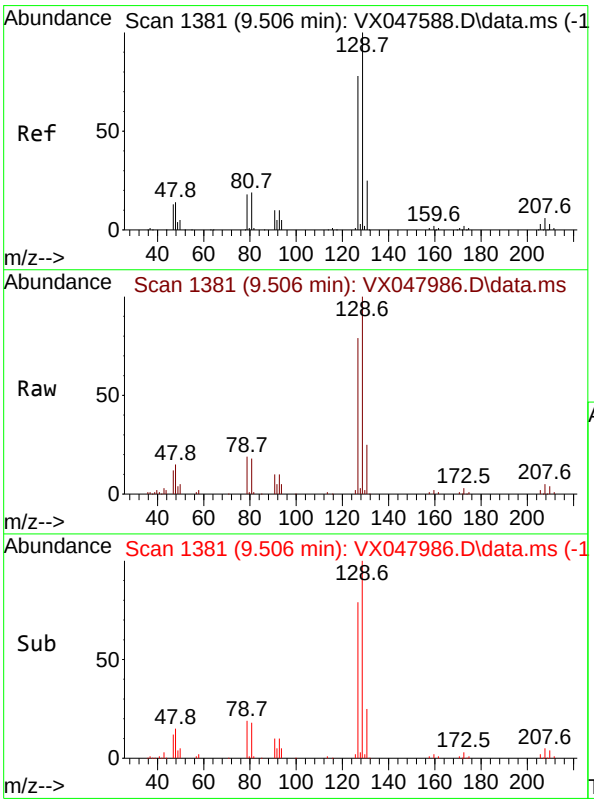
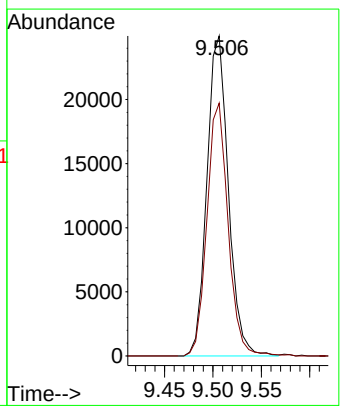


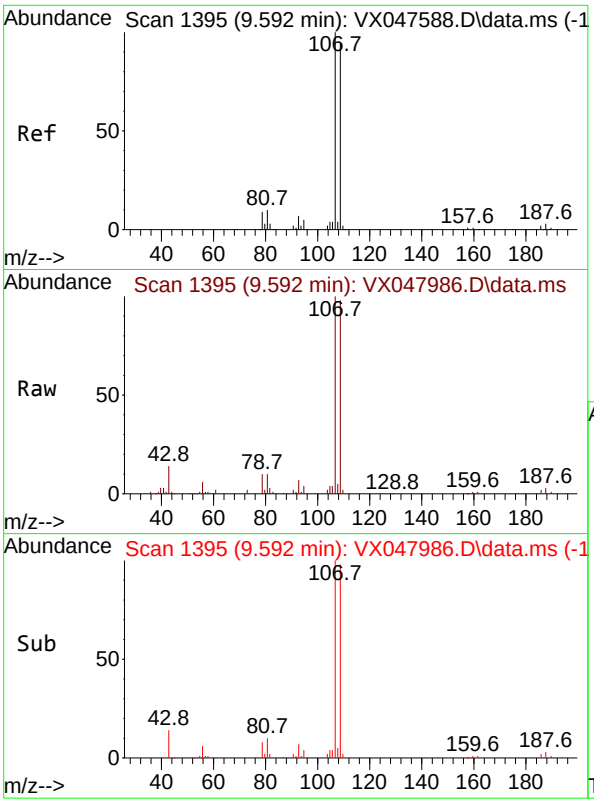


#60
Dibromochloromethane
Concen: 21.175 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:129 Resp: 38514

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2





#61
1,2-Dibromoethane
Concen: 20.717 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:107 Resp: 3331

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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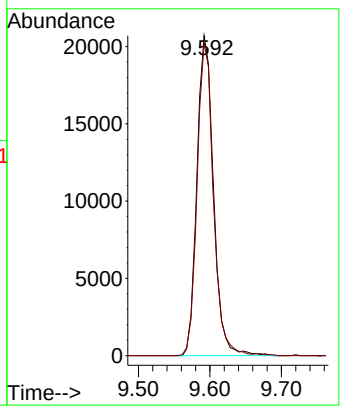
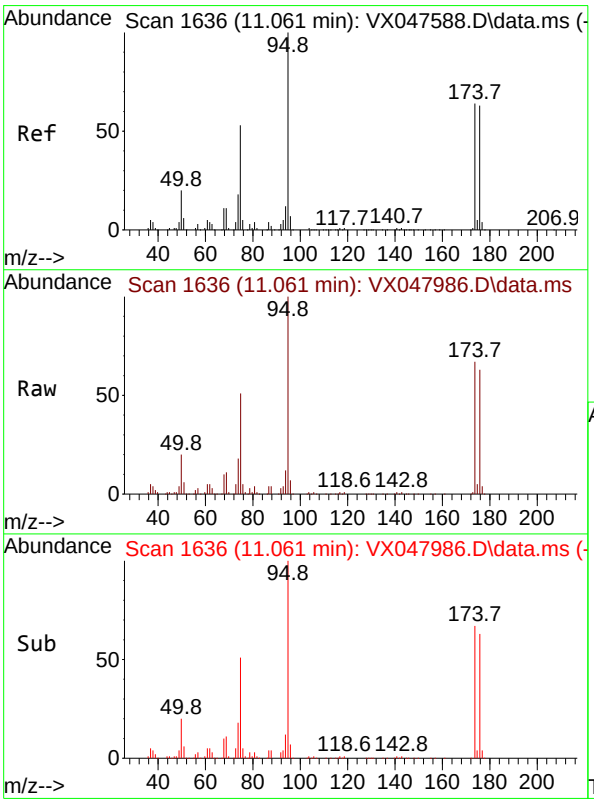
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

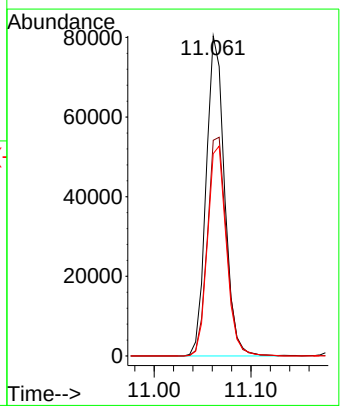


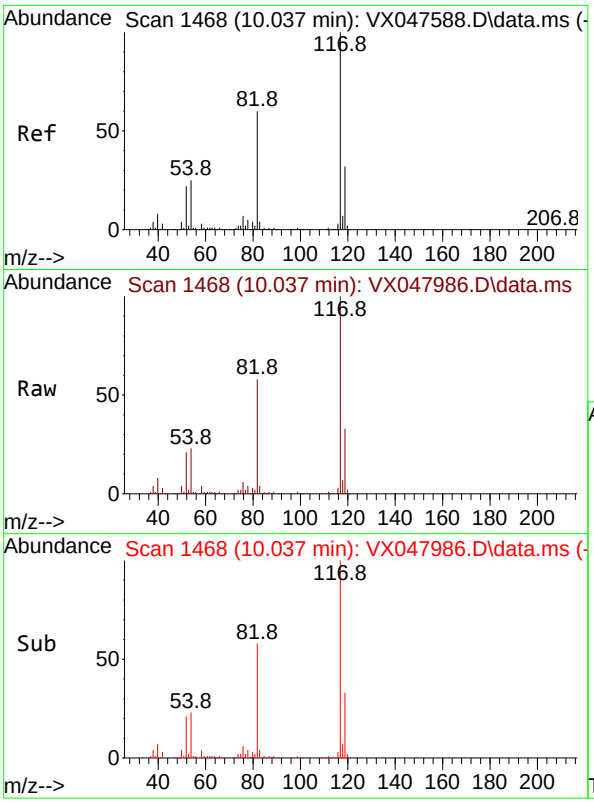


#62
4-Bromofluorobenzene
Concen: 53.996 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 95 Resp: 106162

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.6
176	67.4	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 20330

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.9	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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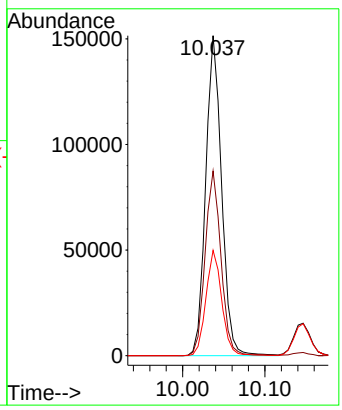
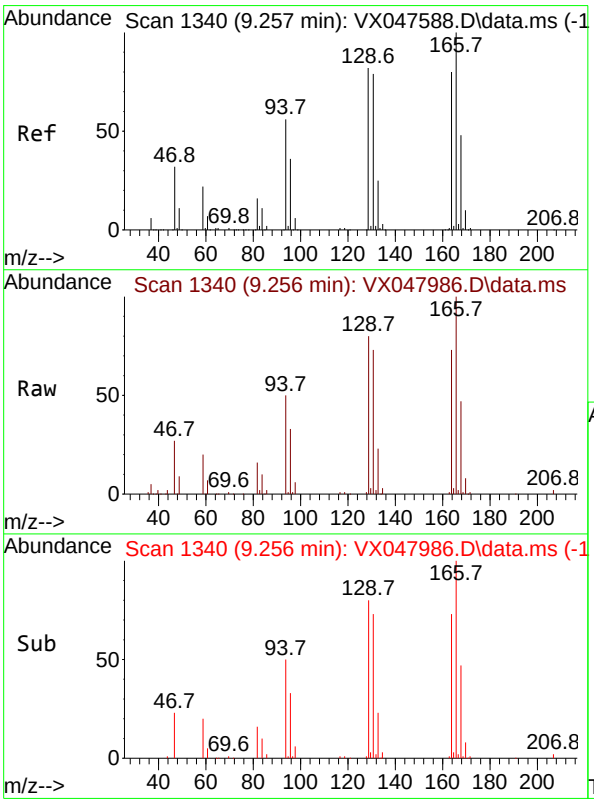
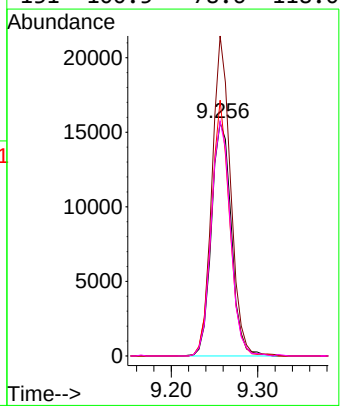


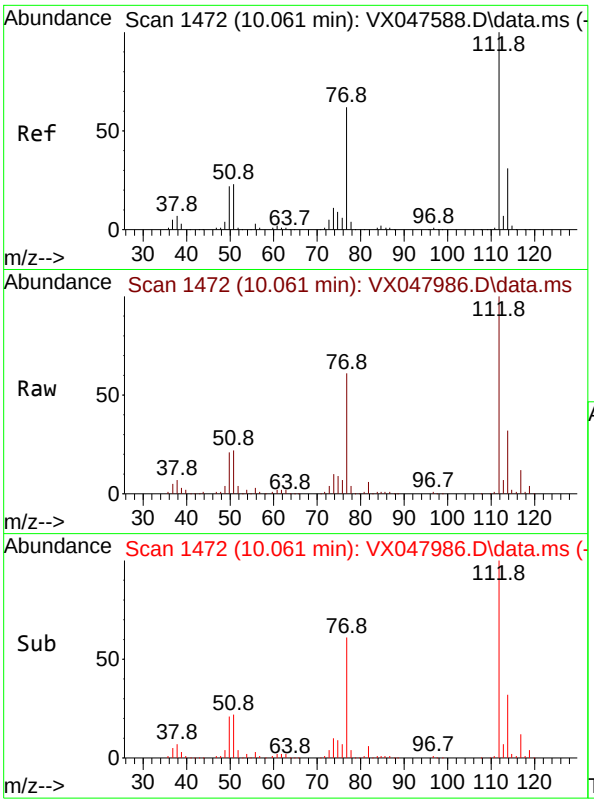


#64
Tetrachloroethene
Concen: 18.698 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:164 Resp: 24781

Ion	Ratio	Lower	Upper
164	100		
166	137.1	100.2	150.2
129	109.5	81.8	122.6
131	100.5	78.6	118.0

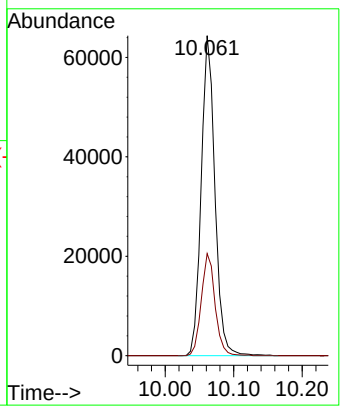




#65
Chlorobenzene
Concen: 19.398 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:112 Resp: 8959

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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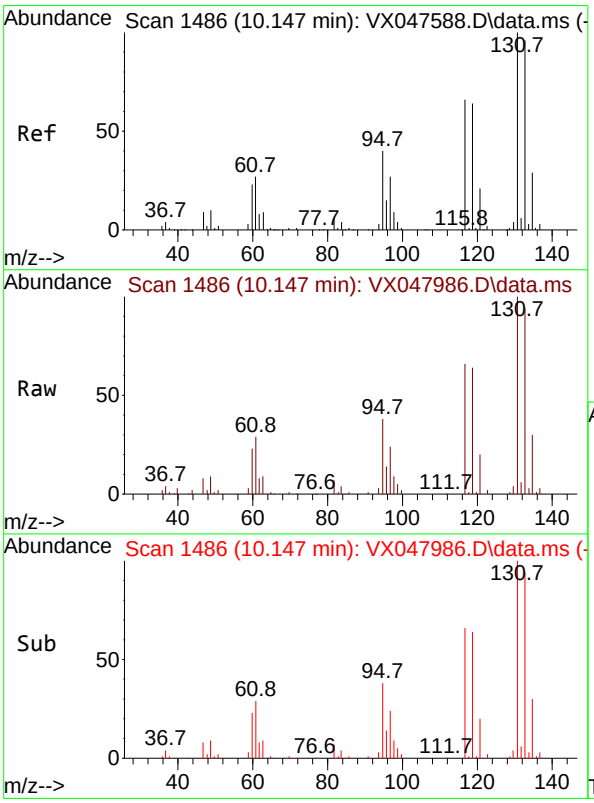
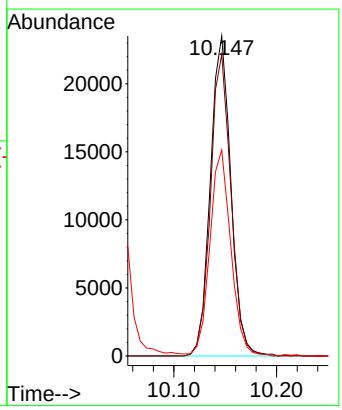
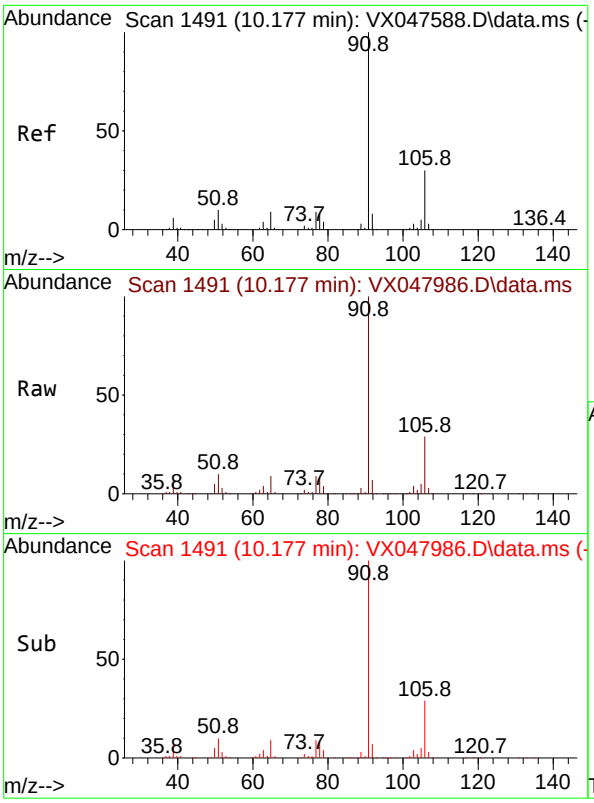


#66
1,1,1,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:131 Resp: 32462

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	142.0
119	66.1	32.0	96.0





#67
Ethyl Benzene
Concen: 18.707 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 14907

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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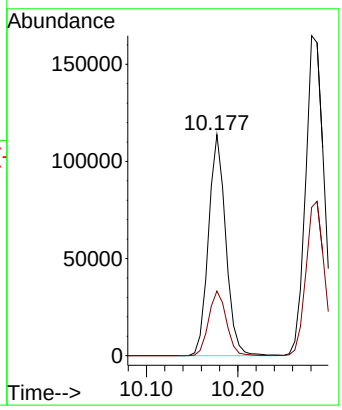
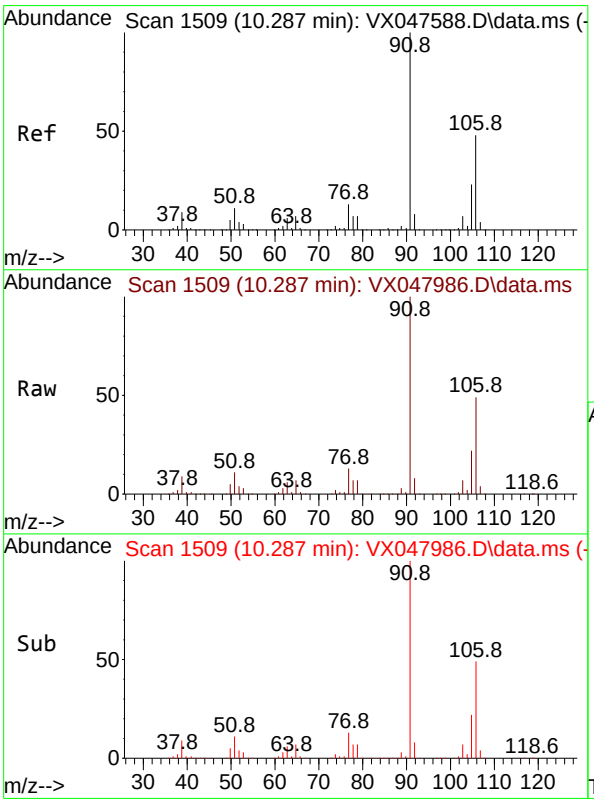
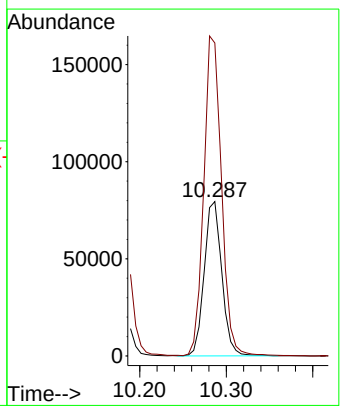


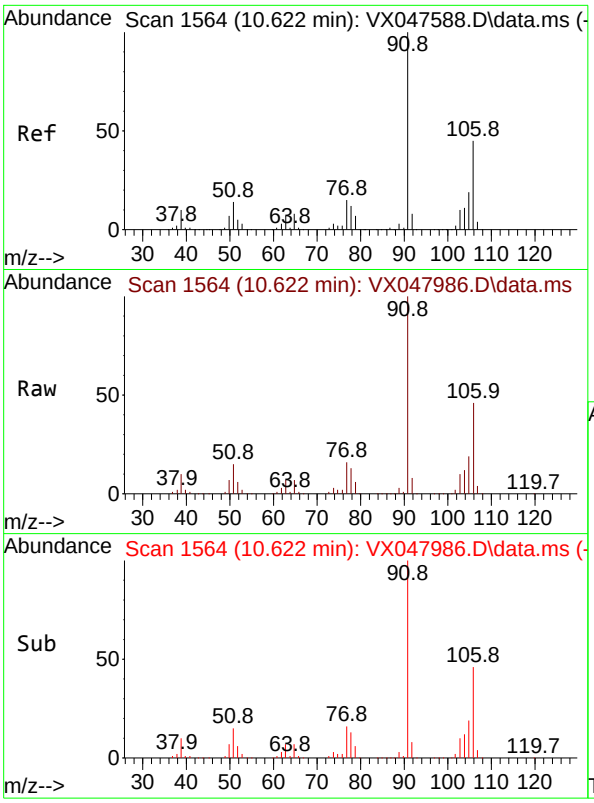


#68
m/p-Xylenes
Concen: 37.811 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:106 Resp: 112155

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8





#69
o-Xylene
Concen: 19.105 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:106 Resp: 5481

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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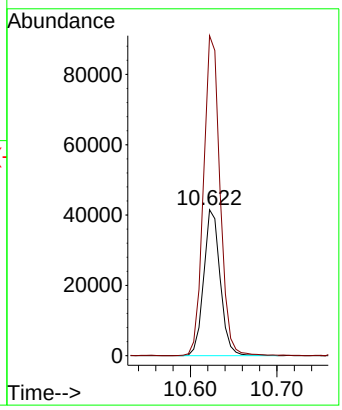
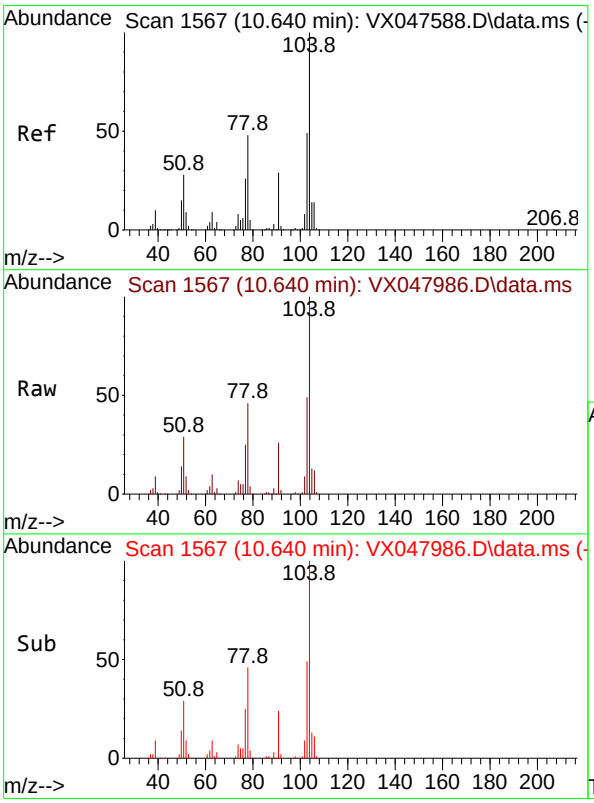
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

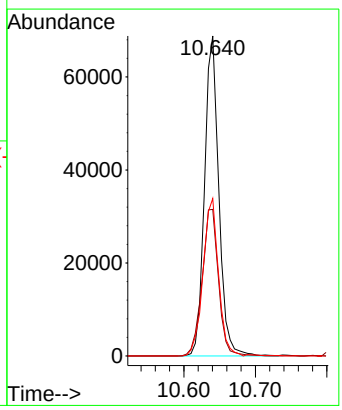


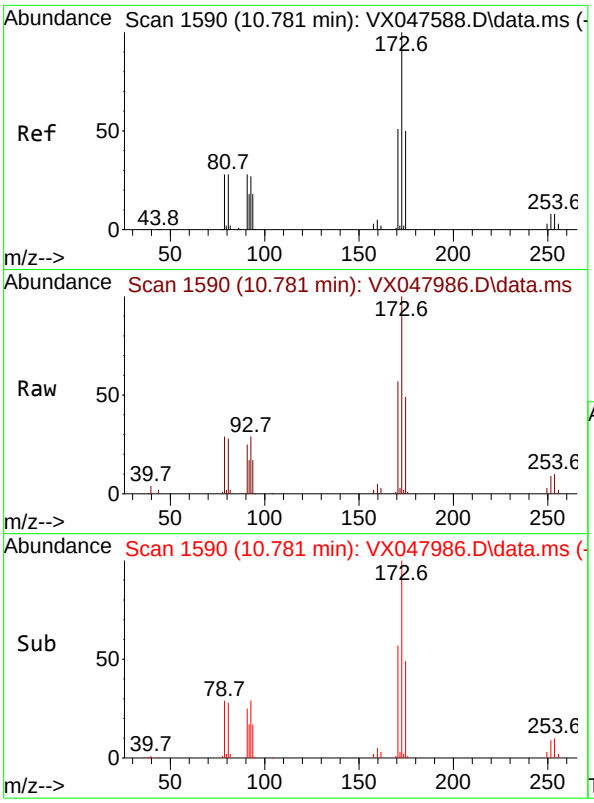


#70
Styrene
Concen: 19.042 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:104 Resp: 95723

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	53.0	43.1	64.7





#71
Bromoform
Concen: 19.887 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:173 Resp: 2366

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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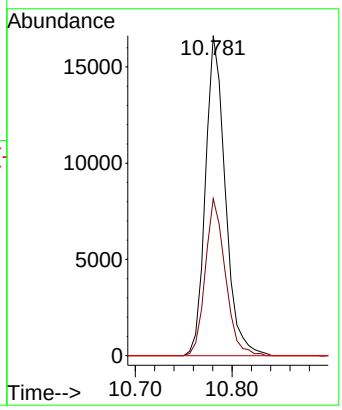
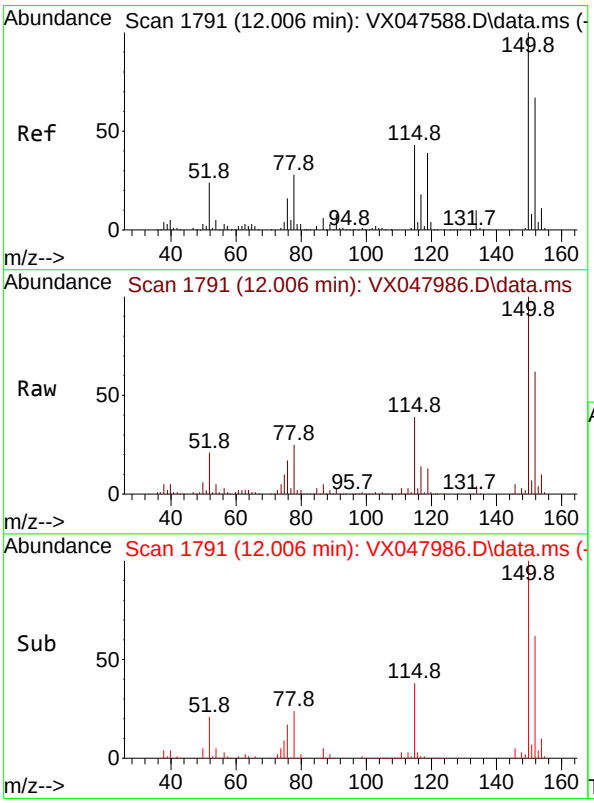
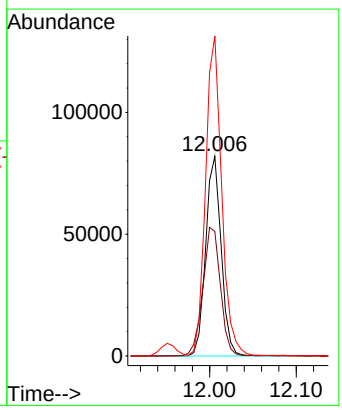


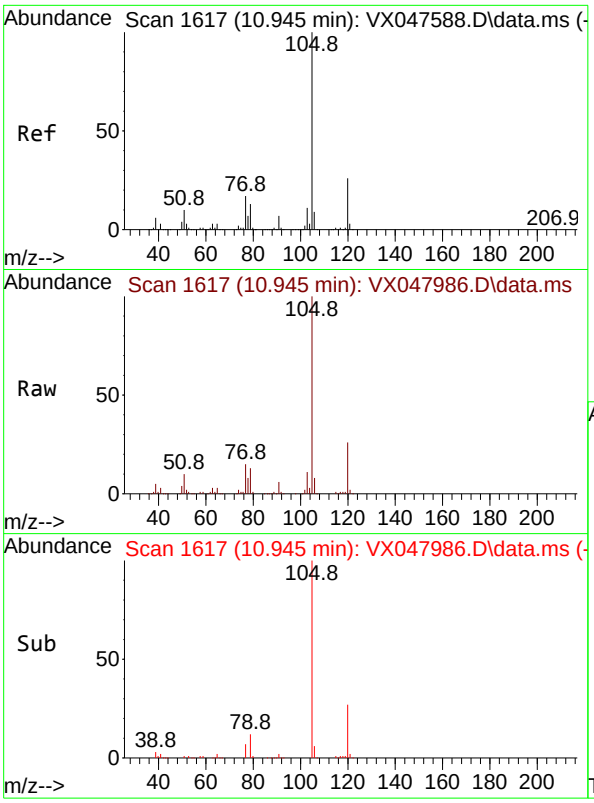


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:152 Resp: 101886

Ion	Ratio	Lower	Upper
152	100		
115	73.0	44.9	134.5
150	166.6	0.0	352.0





#73
Isopropylbenzene
Concen: 18.272 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 14153

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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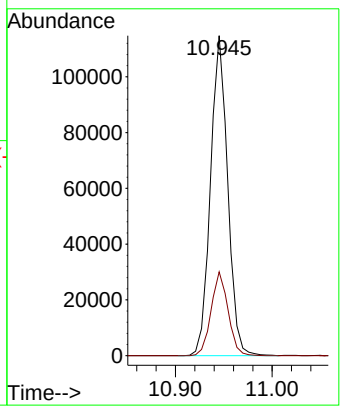
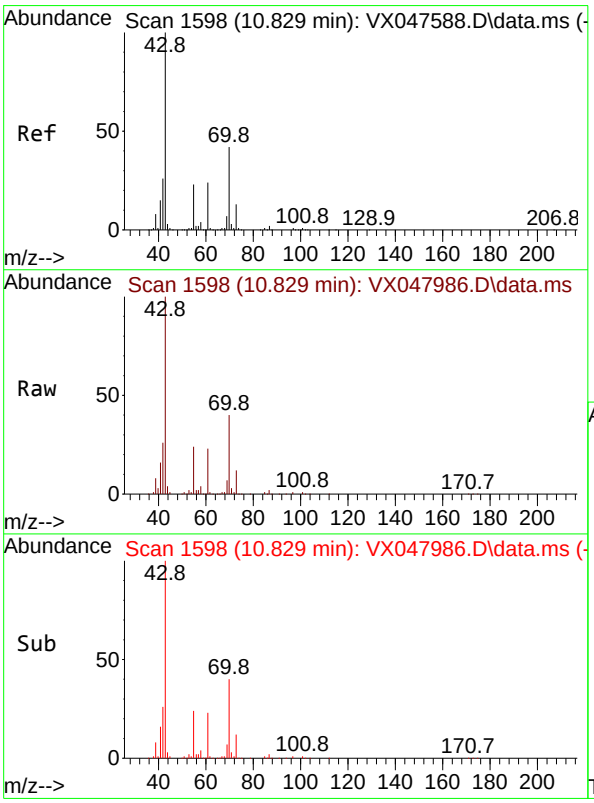
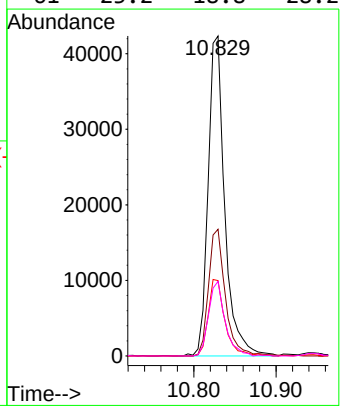


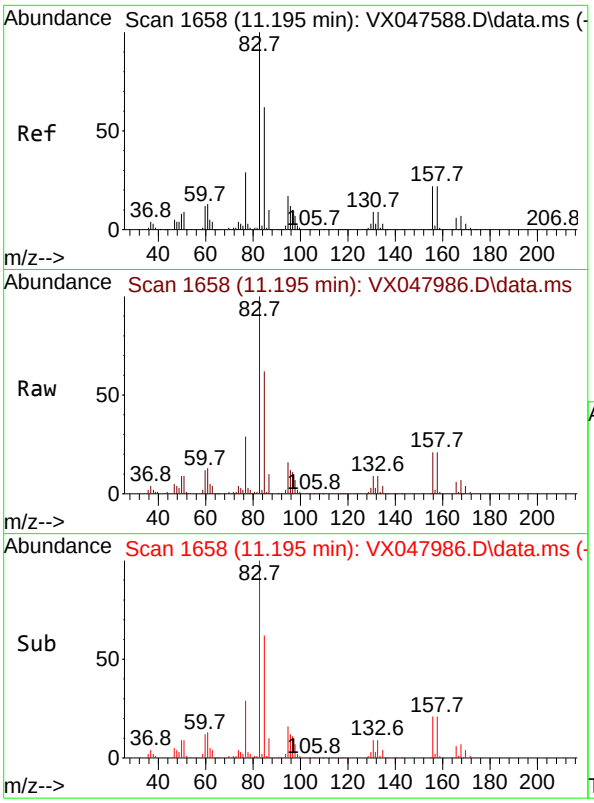


#74
N-amyl acetate
Concen: 16.852 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 59525

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.0	18.9	28.3
61	23.2	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 4624

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.0	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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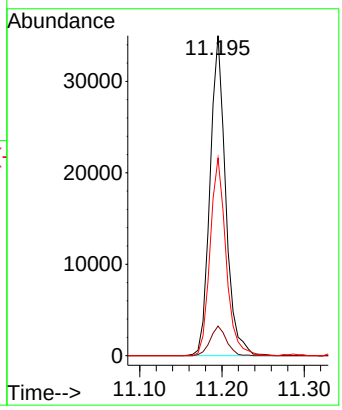
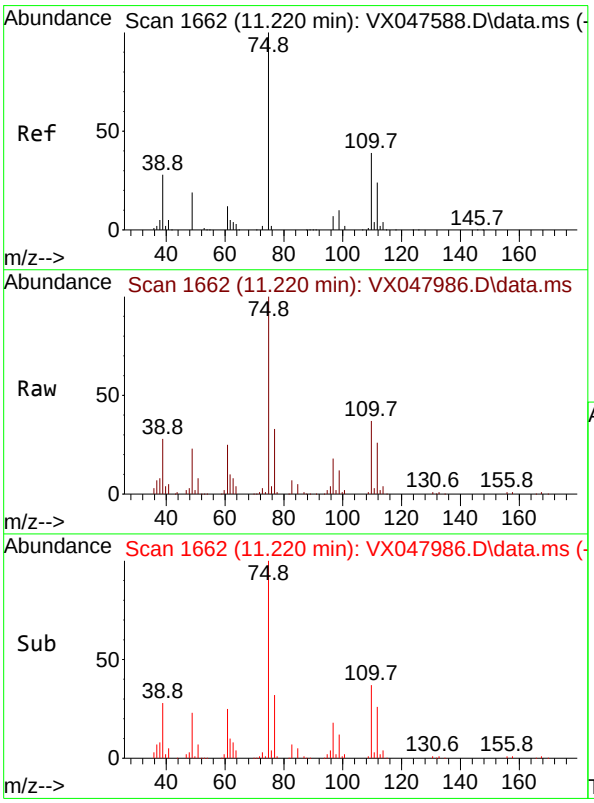
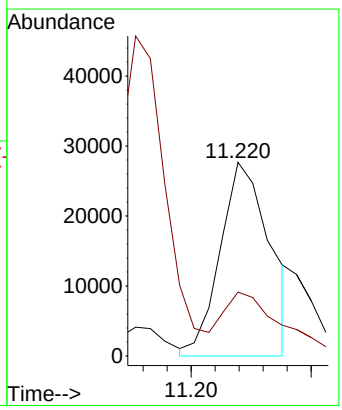


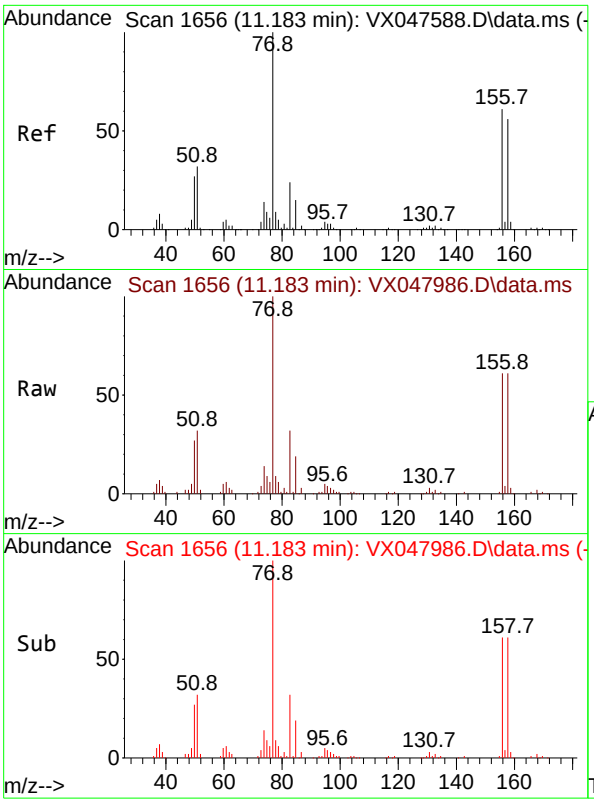


#76
1,2,3-Trichloropropane
Concen: 19.212 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 39632

Ion	Ratio	Lower	Upper
75	100		
77	38.5	18.8	56.4

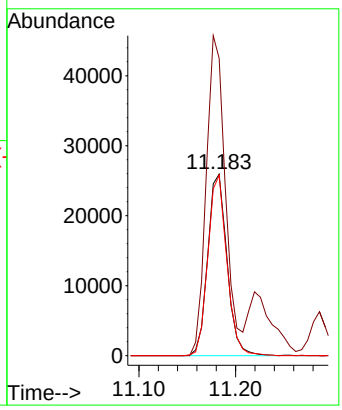




#77
Bromobenzene
Concen: 18.879 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:156 Resp: 3601

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	97.8	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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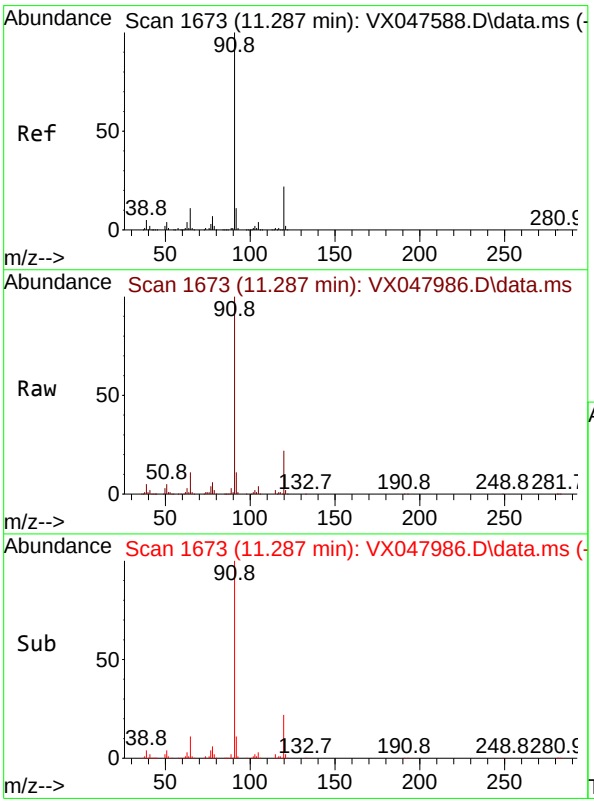
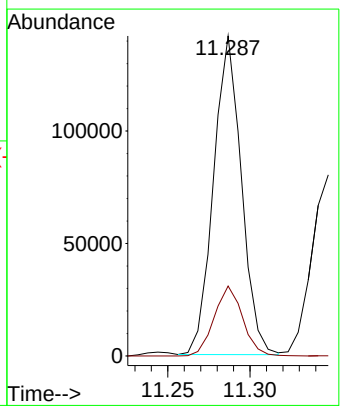
Supervised By :Semsettin Yesilyurt 10/06/2025

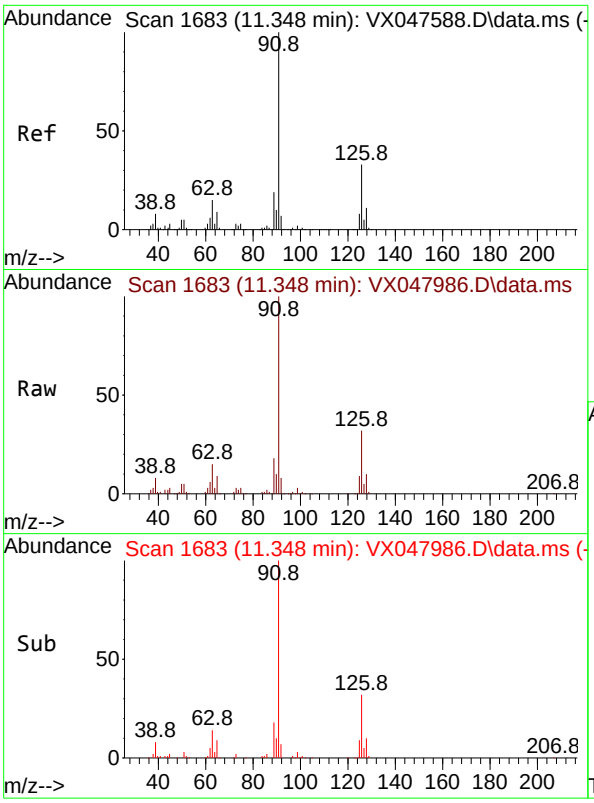


#78
n-propylbenzene
Concen: 18.236 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 166982

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

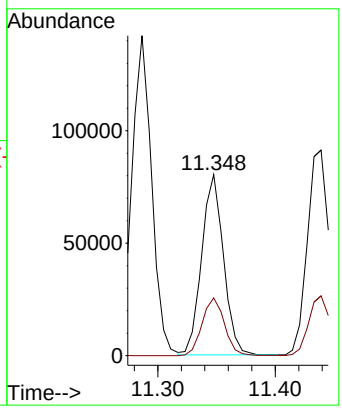




#79
2-Chlorotoluene
Concen: 18.452 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 10348

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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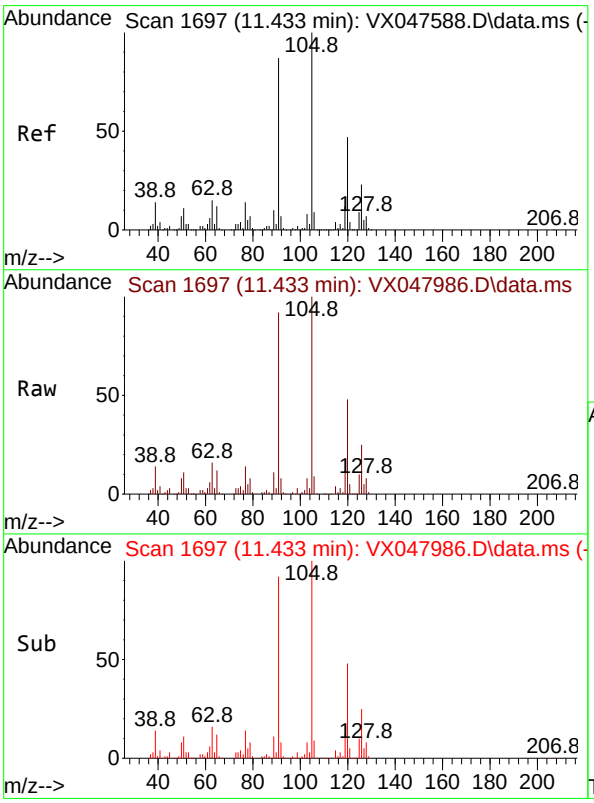
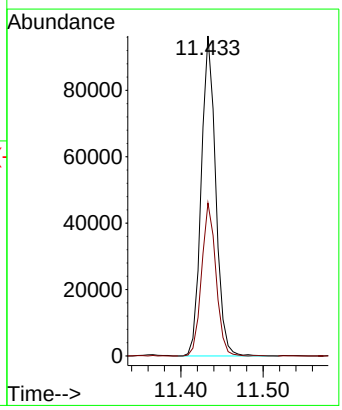
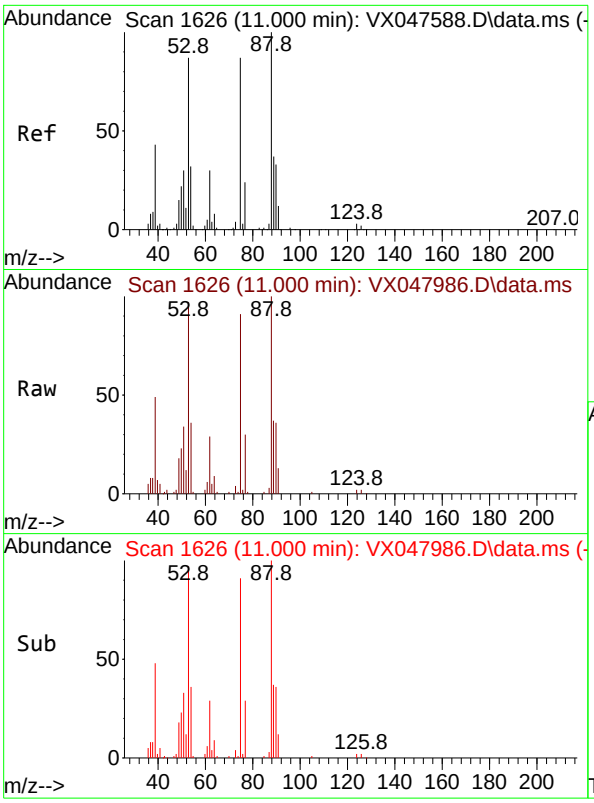


#80
1,3,5-Trimethylbenzene
Concen: 18.458 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 117466

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 15.947 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 1290

Ion	Ratio	Lower	Upper
75	100		
53	108.1	83.4	125.2
89	46.8	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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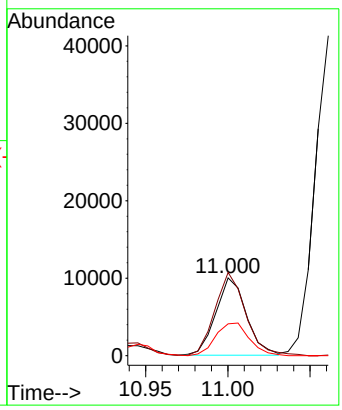
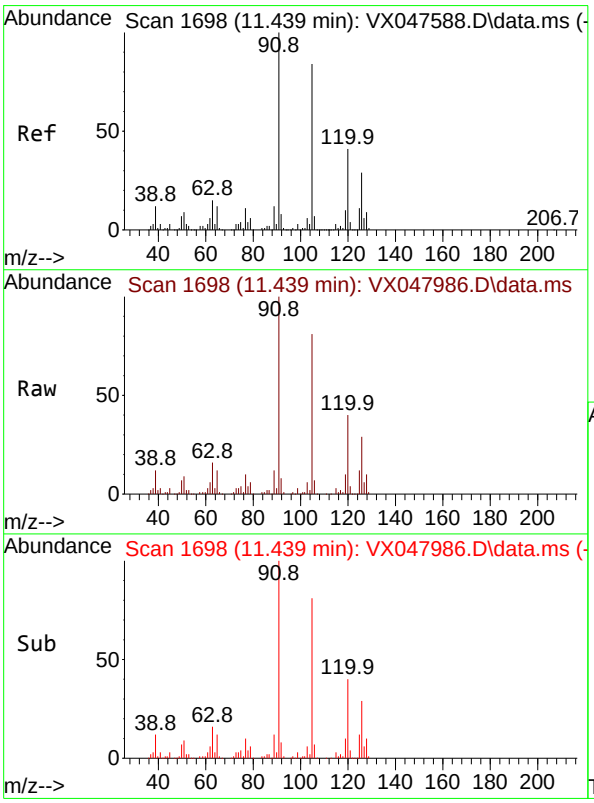
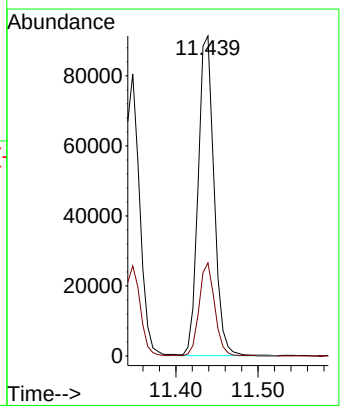


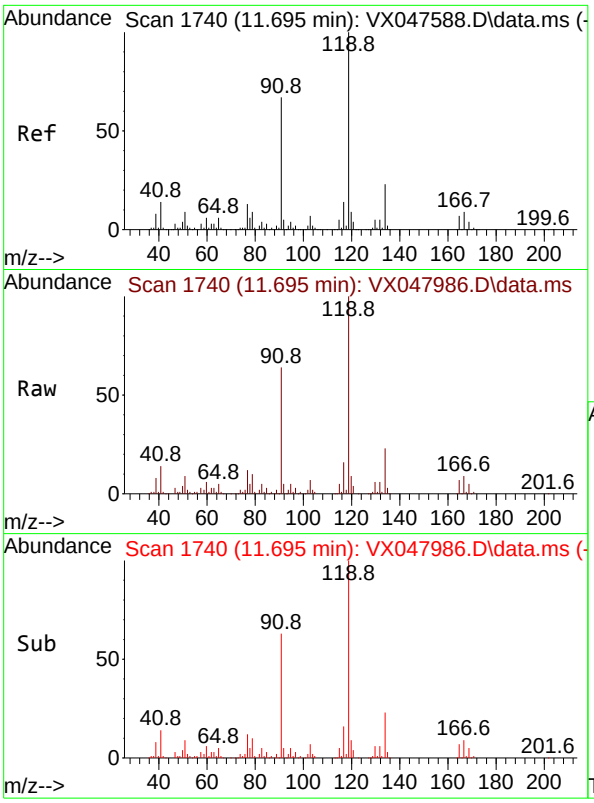


#82
4-Chlorotoluene
Concen: 18.469 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 122332

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

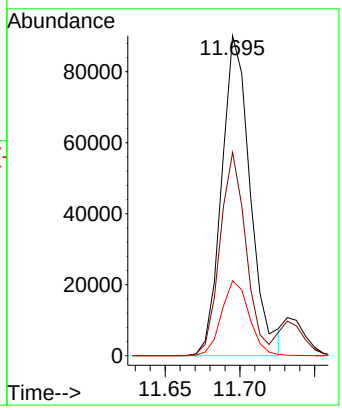




#83
tert-Butylbenzene
Concen: 18.388 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:119 Resp: 11979

Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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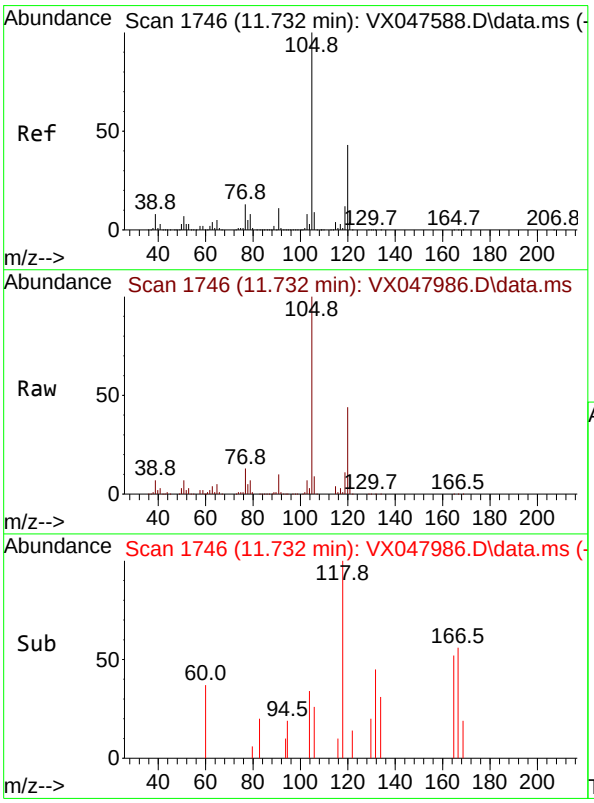
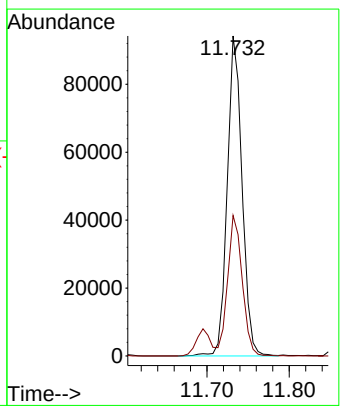
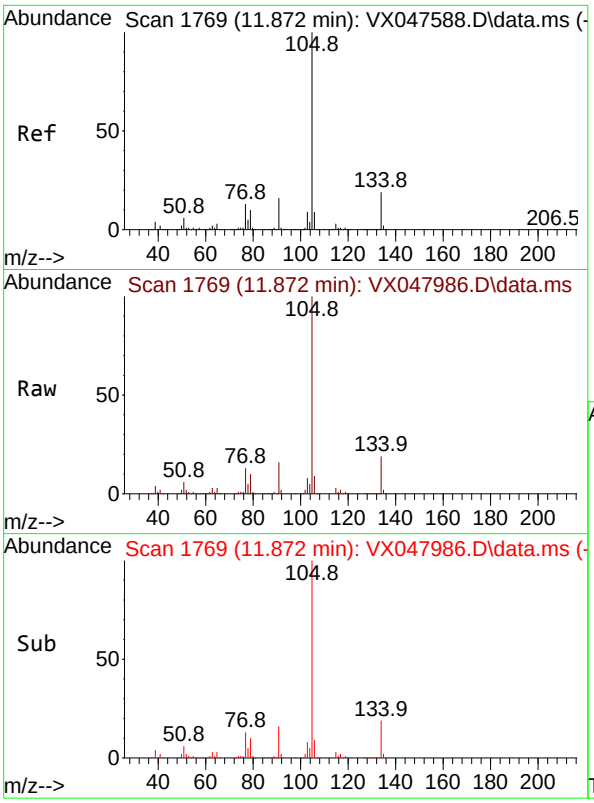


#84
1,2,4-Trimethylbenzene
Concen: 18.350 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 118395

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1





#85
sec-Butylbenzene
Concen: 18.651 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 14432

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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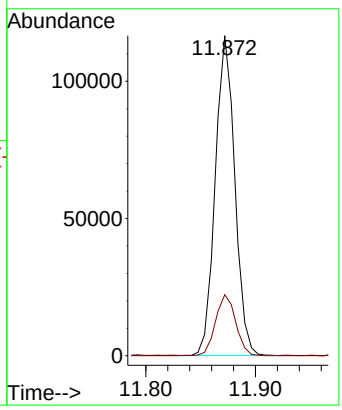
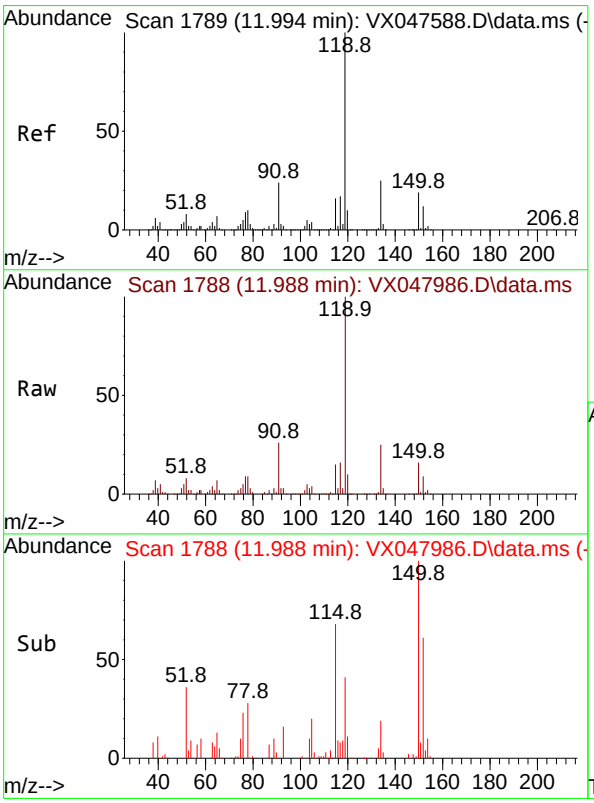
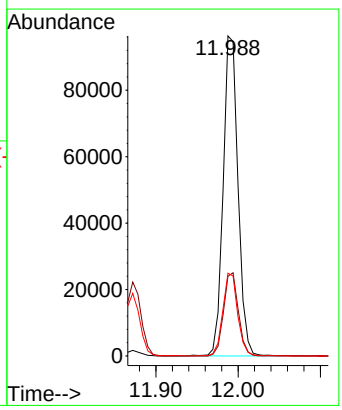


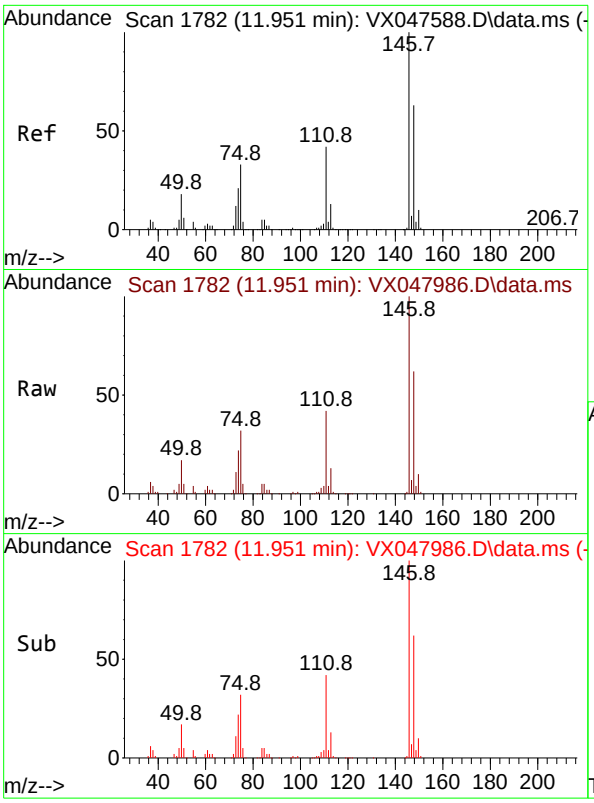


#86
p-Isopropyltoluene
Concen: 18.475 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:119 Resp: 121030

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.9	12.6	37.6

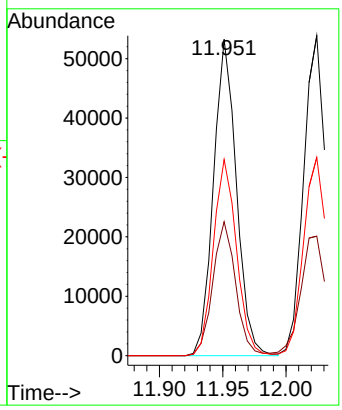




#87
1,3-Dichlorobenzene
Concen: 18.933 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 6709

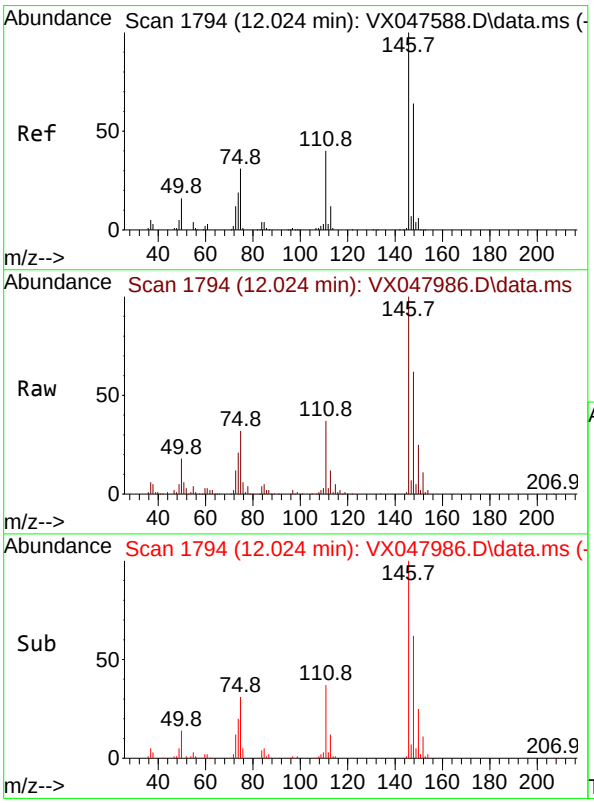
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	62.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

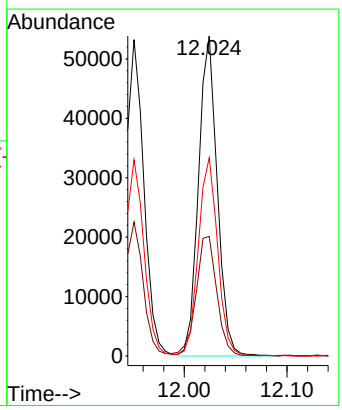
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

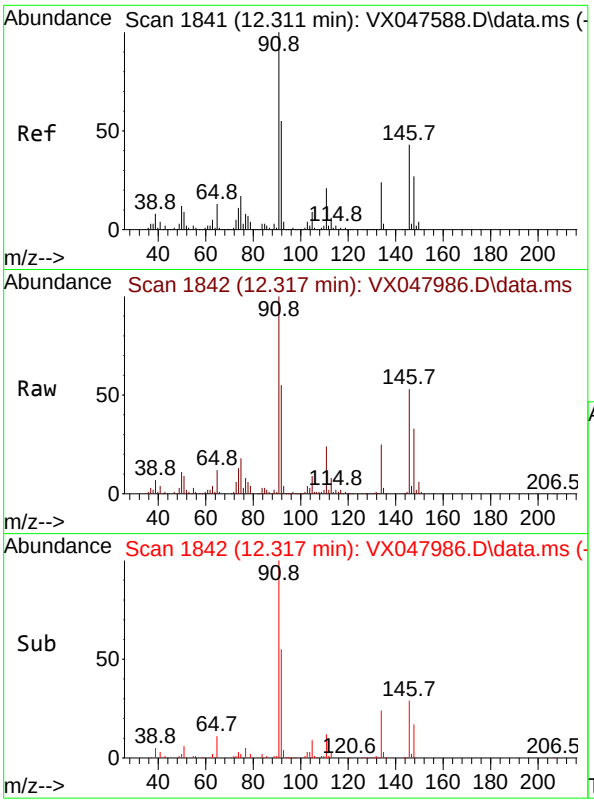


#88
1,4-Dichlorobenzene
Concen: 18.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 68424

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.7	95.1





#89
n-Butylbenzene
Concen: 18.313 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

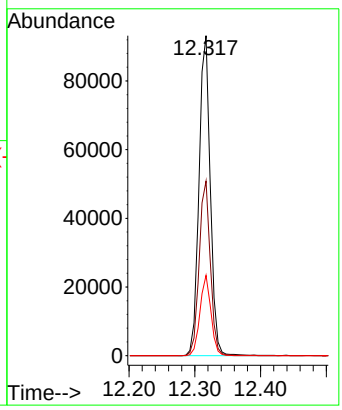
Tgt Ion: 91 Resp: 111009

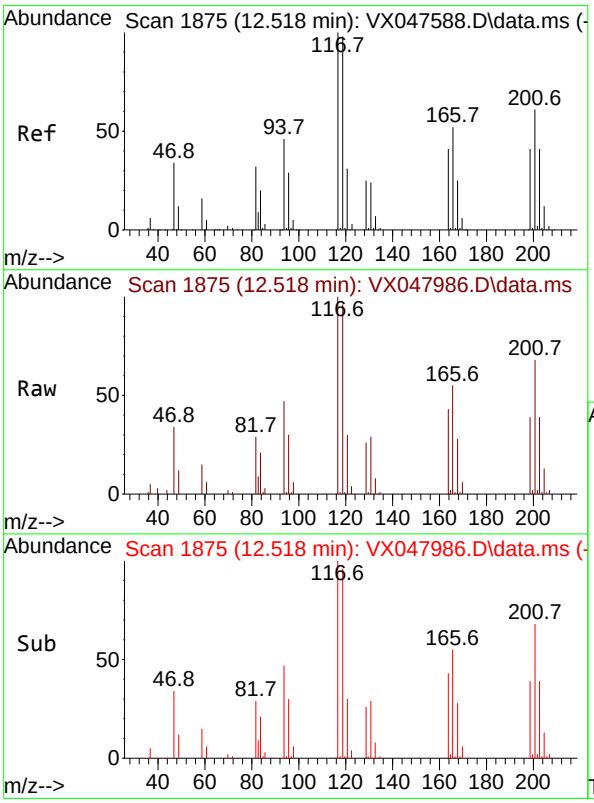
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	24.4	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

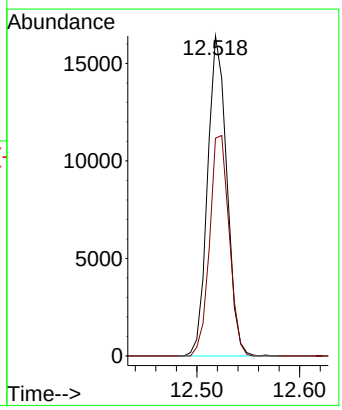


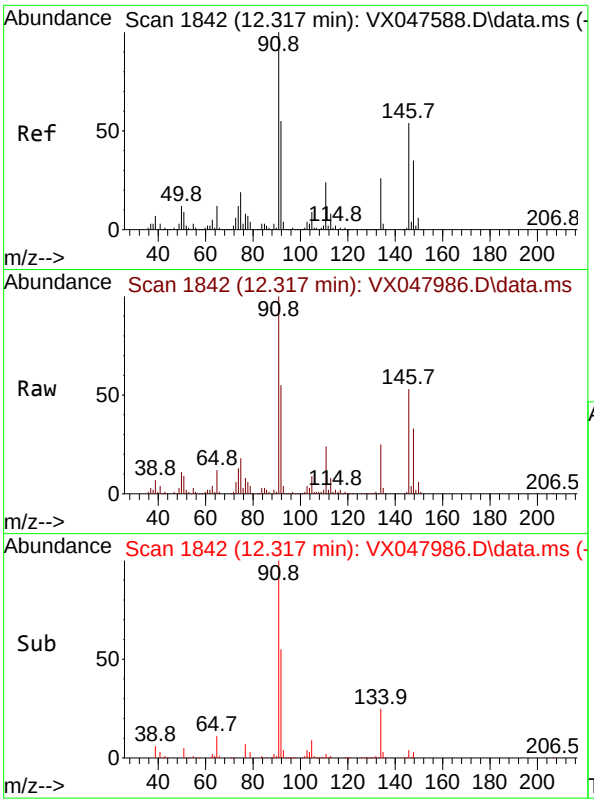


#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 21335

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.2	102.5

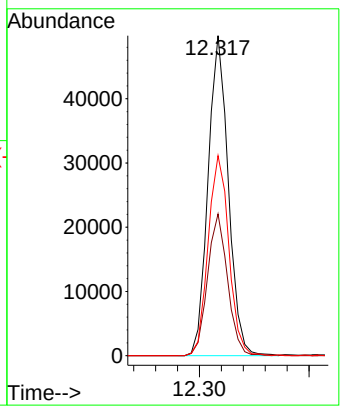




#91
1,2-Dichlorobenzene
Concen: 18.924 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 6388

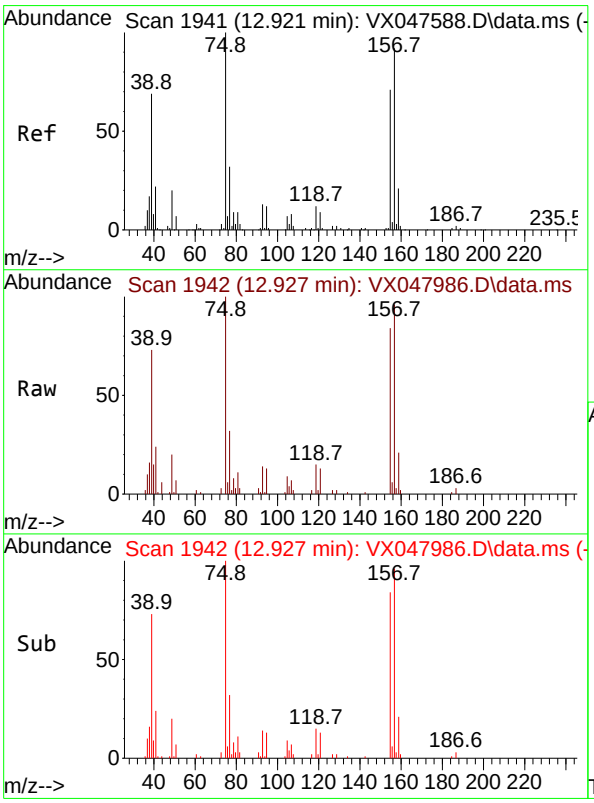
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.0	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

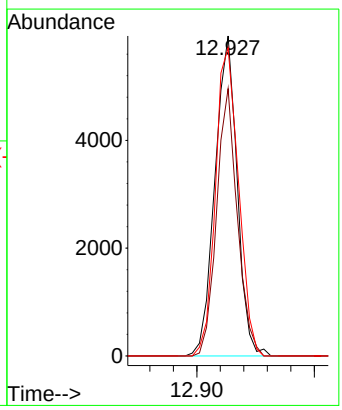
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

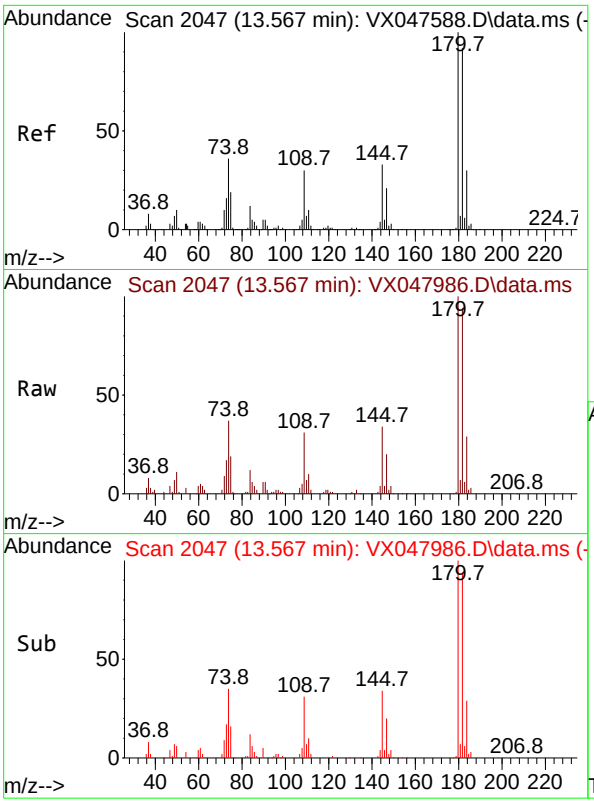


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.391 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 7777

Ion	Ratio	Lower	Upper
75	100		
155	78.3	37.7	113.1
157	100.2	49.8	149.4

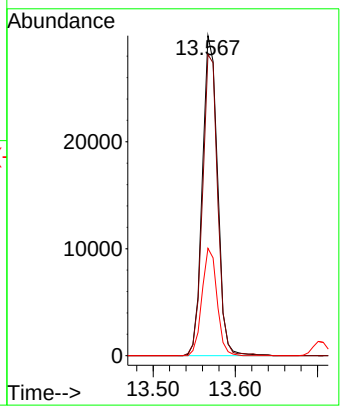




#93
1,2,4-Trichlorobenzene
Concen: 17.459 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:180 Resp: 3830

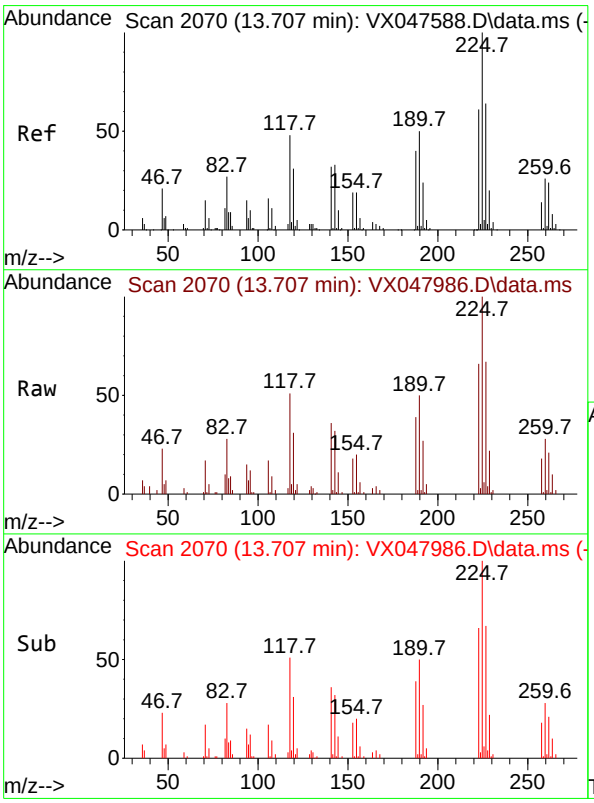
Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	33.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

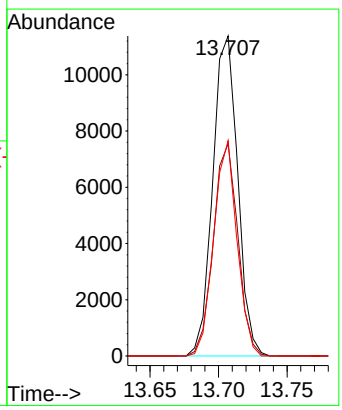
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

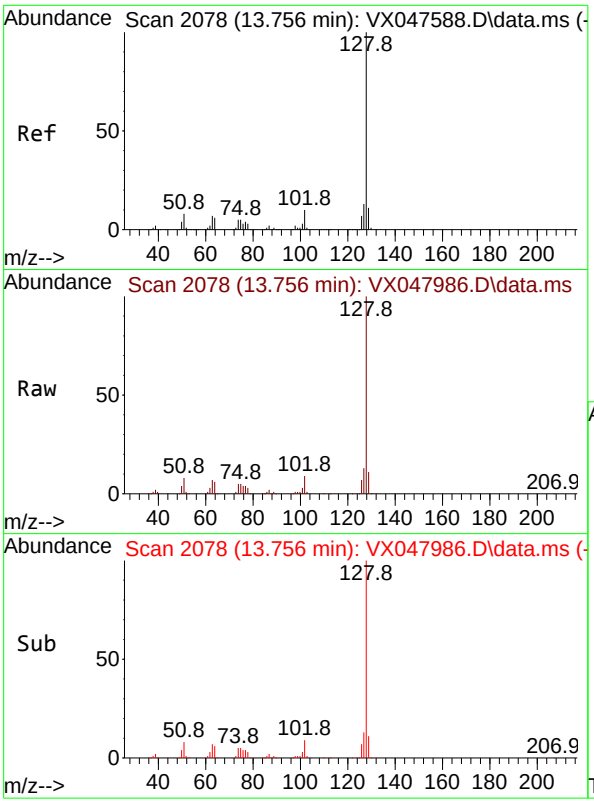


#94
Hexachlorobutadiene
Concen: 19.299 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:225 Resp: 14383

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.7	95.1
227	62.8	32.0	96.0

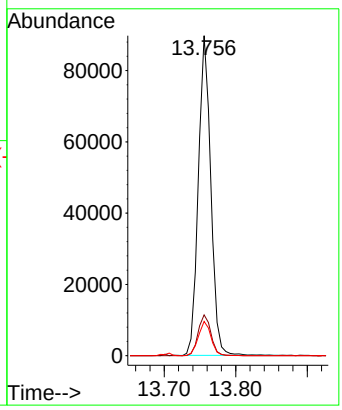




#95
Naphthalene
Concen: 16.216 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:128 Resp: 10833

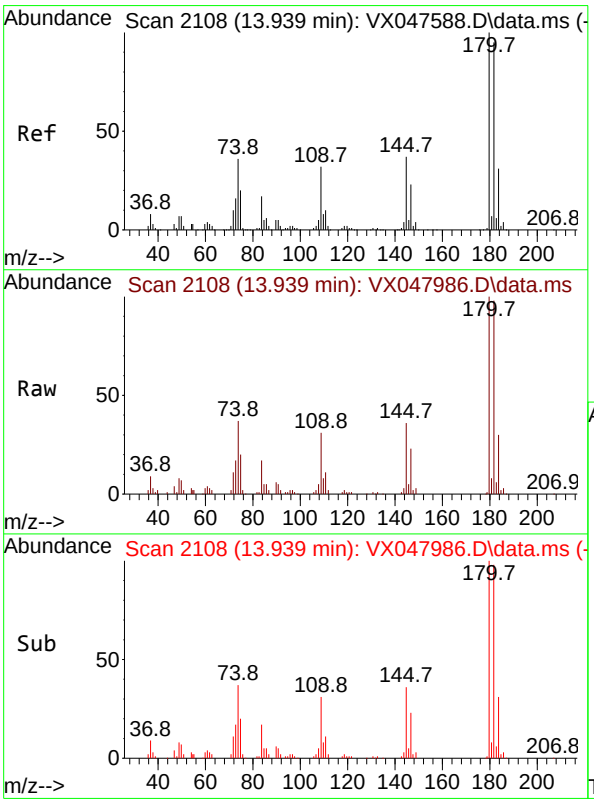
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

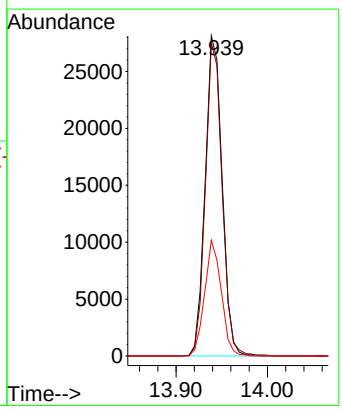
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.690 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:180 Resp: 36104

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	35.5	17.9	53.7



Raw Data: **VX047949.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MS	SDG No.:	Q3193
Lab Sample ID:	Q3193-02MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047949.D	1	10/01/25 18:17	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	51.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	47.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	50.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	51.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.5		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	49.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	220		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	45.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	43.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	50.3		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.9		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	51.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.6		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	260		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	47.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	49.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	52.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	42.1		0.16	0.50	1.00	ug/L
71-43-2	Benzene	49.8		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	49.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	51.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	49.3		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:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MS	SDG No.:	Q3193
Lab Sample ID:	Q3193-02MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047949.D	1	10/01/25 18:17	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	53.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	270		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	53.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	44.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	49.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	97.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	48.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	49.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	52.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	44.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	44.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	44.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	46.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	47.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	44.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	249000	6.745				
3114-55-4	Chlorobenzene-d5	227000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	115000	12.006				

Raw Data: **VX047949.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MS	SDG No.:	Q3193
Lab Sample ID:	Q3193-02MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047949.D	1	10/01/25 18:17	VX100125

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\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	249155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	226618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112865	51.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.080%			
35) Dibromofluoromethane	5.373	113	87090	52.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	8.635	98	291109	50.348	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.700%			
62) 4-Bromofluorobenzene	11.061	95	110409	50.316	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	72636	50.986	ug/l	99
3) Chloromethane	1.301	50	88670	47.357	ug/l	99
4) Vinyl Chloride	1.380	62	92425	50.427	ug/l	98
5) Bromomethane	1.611	94	56642	48.736	ug/l	98
6) Chloroethane	1.697	64	62475	51.000	ug/l	98
7) Trichlorofluoromethane	1.892	101	137522	50.534	ug/l	99
8) Diethyl Ether	2.136	74	56807	51.029	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	79076	49.694	ug/l	98
10) Methyl Iodide	2.459	142	103700	41.785	ug/l	98
11) Tert butyl alcohol	2.947	59	60887	249.645	ug/l	100
12) 1,1-Dichloroethene	2.325	96	81498	49.859	ug/l	94
13) Acrolein	2.239	56	54948	244.482	ug/l	98
14) Allyl chloride	2.666	41	144448	42.825	ug/l	98
15) Acrylonitrile	3.062	53	257693	285.248	ug/l	99
16) Acetone	2.374	43	208744	219.231	ug/l	99
17) Carbon Disulfide	2.514	76	204871	45.784	ug/l	99
18) Methyl Acetate	2.703	43	92923	43.851	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	303685	50.895	ug/l	100
20) Methylene Chloride	2.788	84	101427	50.324	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	87894	49.945	ug/l	96
22) Diisopropyl ether	3.757	45	335947	51.392	ug/l	89
23) Vinyl Acetate	3.715	43	965730	184.589	ug/l	100
24) 1,1-Dichloroethane	3.605	63	178215	51.293	ug/l	98
25) 2-Butanone	4.544	43	308283	259.561	ug/l	99
26) 2,2-Dichloropropane	4.465	77	56182	19.453	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	109034	50.592	ug/l	93
28) Bromochloromethane	4.891	49	75712	49.915	ug/l	99
29) Tetrahydrofuran	4.989	42	196621	275.188	ug/l	100
30) Chloroform	5.080	83	185553	52.849	ug/l	100
31) Cyclohexane	5.464	56	129035	44.591	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	149781	50.295	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111598	45.705	ug/l	98
37) Ethyl Acetate	4.702	43	101361	38.771	ug/l	99
38) Carbon Tetrachloride	5.672	117	126647	47.739	ug/l	99
39) Methylcyclohexane	7.367	83	116622	42.077	ug/l	98
40) Benzene	6.025	78	369543	49.830	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73695	54.602	ug/l		98
42) 1,2-Dichloroethane	6.074	62	140050	49.633	ug/l		98
43) Isopropyl Acetate	6.324	43	182040	42.456	ug/l		100
44) Trichloroethene	7.117	130	87388	48.741	ug/l		99
45) 1,2-Dichloropropane	7.415	63	97104	51.135	ug/l		98
46) Dibromomethane	7.568	93	70804	51.238	ug/l		99
47) Bromodichloromethane	7.806	83	147933	51.878	ug/l		99
48) Methyl methacrylate	7.677	41	107467	50.318	ug/l		98
49) 1,4-Dioxane	7.647	88	24199	1121.156	ug/l		95
51) 4-Methyl-2-Pentanone	8.555	43	660010	277.632	ug/l		99
52) Toluene	8.702	92	225040	49.254	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	124111	42.670	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	132296	42.554	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	93431	53.032	ug/l		99
56) Ethyl methacrylate	9.104	69	142817	51.618	ug/l		97
57) 1,3-Dichloropropane	9.293	76	159601	52.736	ug/l		100
59) 2-Hexanone	9.415	43	452858	265.237	ug/l		99
60) Dibromochloromethane	9.506	129	108700	53.548	ug/l		99
61) 1,2-Dibromoethane	9.592	107	96416	53.730	ug/l		99
64) Tetrachloroethene	9.256	164	66025	44.693	ug/l		97
65) Chlorobenzene	10.061	112	252327	49.011	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	89722	50.504	ug/l		99
67) Ethyl Benzene	10.177	91	424497	47.787	ug/l		98
68) m/p-Xylenes	10.287	106	321485	97.233	ug/l		98
69) o-Xylene	10.628	106	155556	48.642	ug/l		98
70) Styrene	10.640	104	275268	49.124	ug/l		99
71) Bromoform	10.781	173	69522	52.409	ug/l	#	98
73) Isopropylbenzene	10.945	105	391154	44.613	ug/l		99
74) N-amyl acetate	10.829	43	136001	34.016	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	134192	50.588	ug/l		98
76) 1,2,3-Trichloropropane	11.226	75	114522m	49.047	ug/l		
77) Bromobenzene	11.183	156	99736	46.187	ug/l		98
78) n-propylbenzene	11.287	91	461966	44.572	ug/l		99
79) 2-Chlorotoluene	11.348	91	287872	45.348	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	323736	44.942	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	29502	32.221	ug/l		97
82) 4-Chlorotoluene	11.439	91	338296	45.122	ug/l		99
83) tert-Butylbenzene	11.695	119	328678	44.573	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	327974	44.909	ug/l		100
85) sec-Butylbenzene	11.872	105	382662	43.689	ug/l		99
86) p-Isopropyltoluene	11.994	119	320143	43.174	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	178688	44.550	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	181313	44.044	ug/l		99
89) n-Butylbenzene	12.317	91	288466	42.042	ug/l		99
90) Hexachloroethane	12.518	117	59306	45.554	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	175899	46.032	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25279	47.069	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	104847	42.218	ug/l		100
94) Hexachlorobutadiene	13.707	225	32612	38.660	ug/l		96
95) Naphthalene	13.756	128	340760	45.060	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	102966	44.571	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations APPROVED

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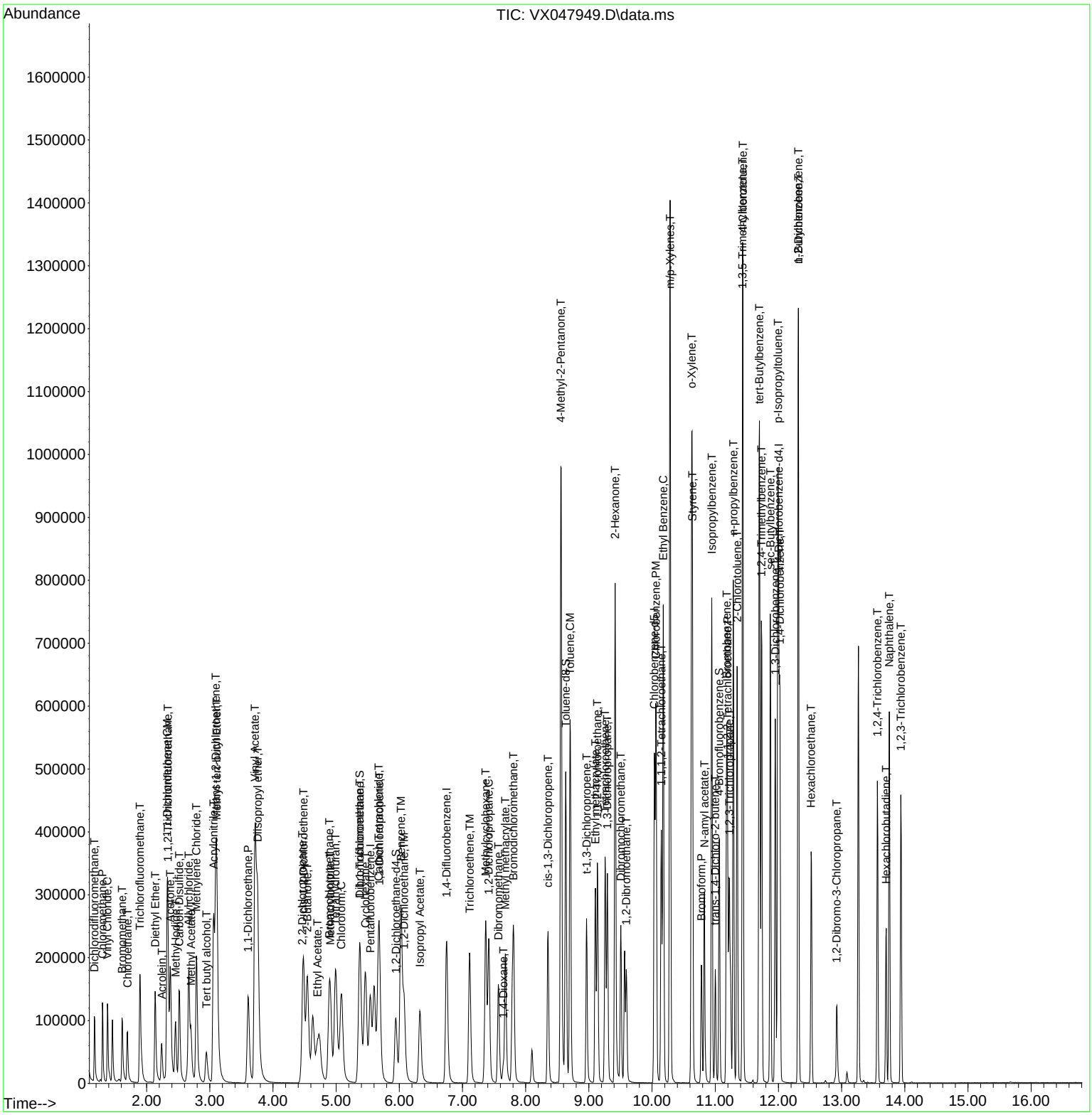

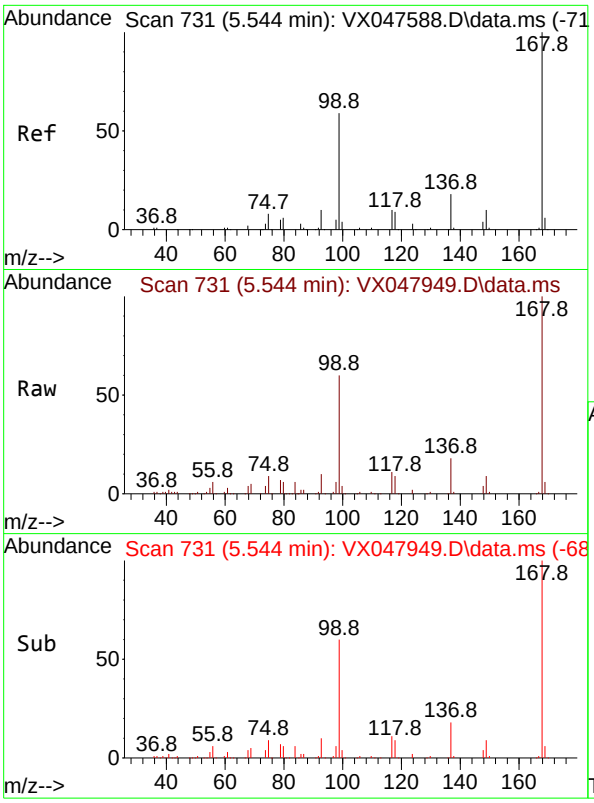

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:168 Resp: 13757

Ion	Ratio	Lower	Upper
168	100		
99	59.3	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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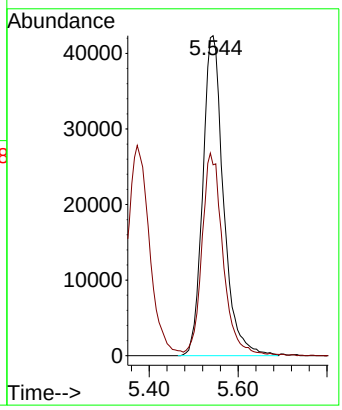
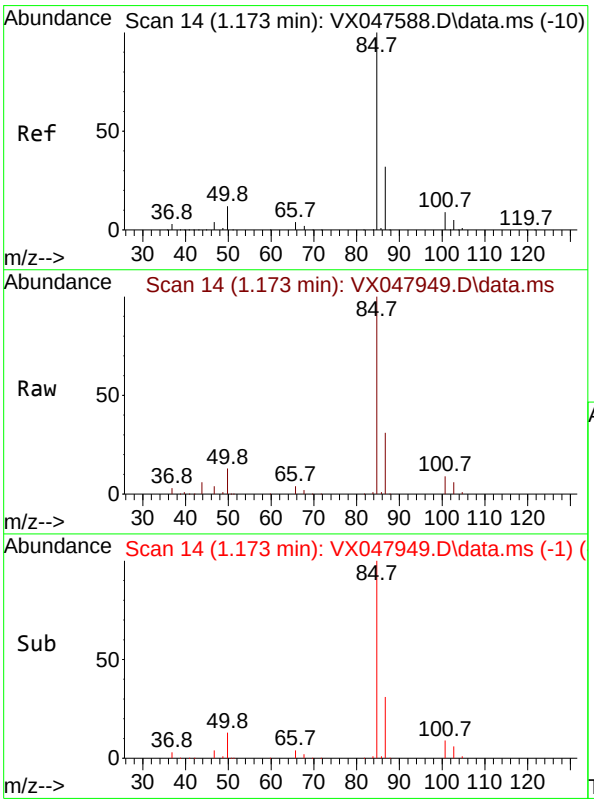
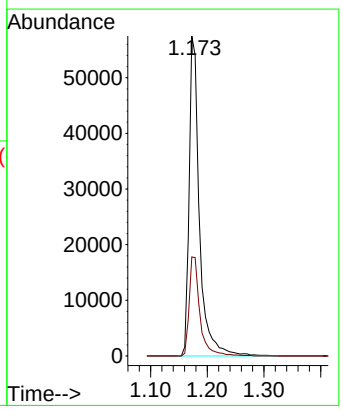


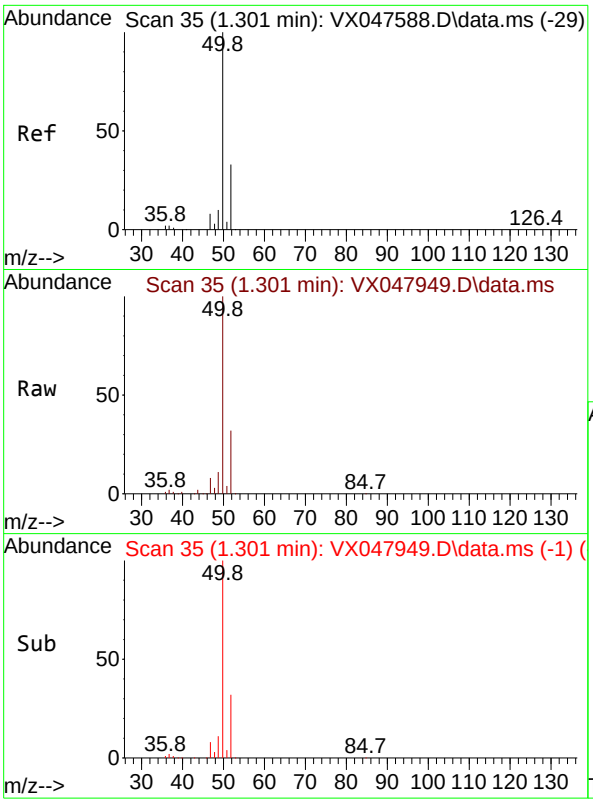


#2
Dichlorodifluoromethane
Concen: 50.986 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 85 Resp: 72636

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.8	47.3

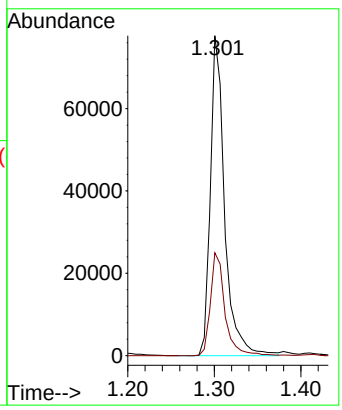




#3
Chloromethane
Concen: 47.357 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 50 Resp: 8867

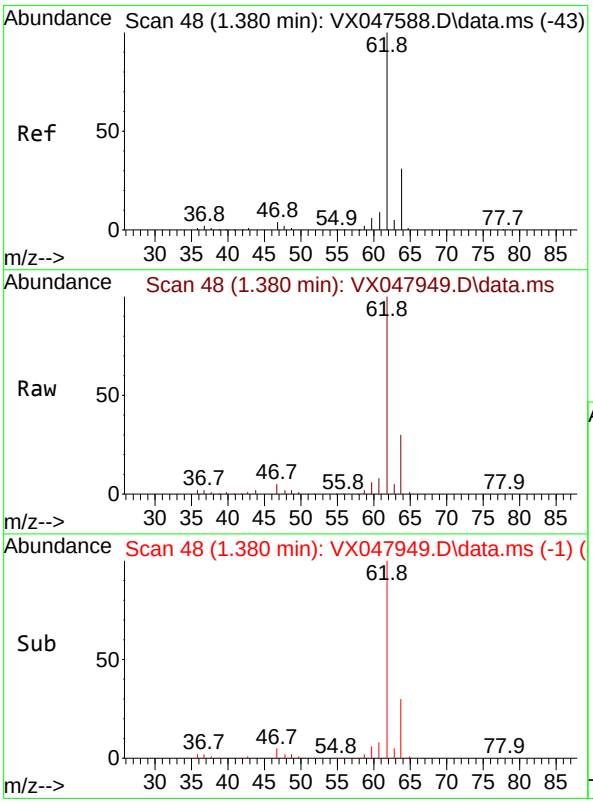
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

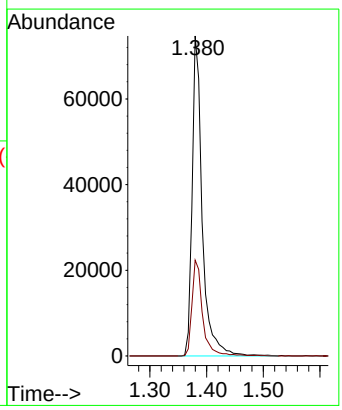
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

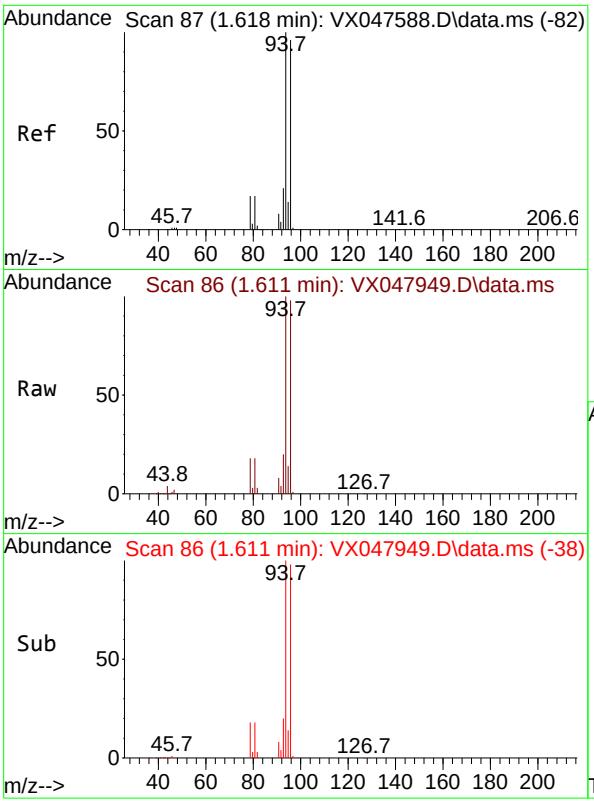


#4
Vinyl Chloride
Concen: 50.427 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 62 Resp: 92425

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.9	37.3





#5
Bromomethane
Concen: 48.736 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 94 Resp: 5664

Ion	Ratio	Lower	Upper
94	100		
96	98.0	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

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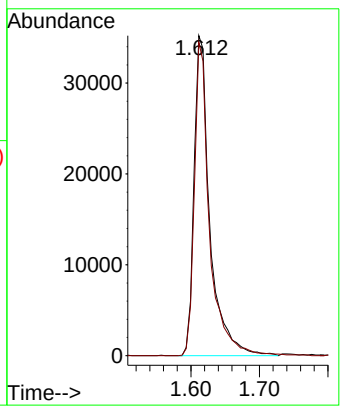
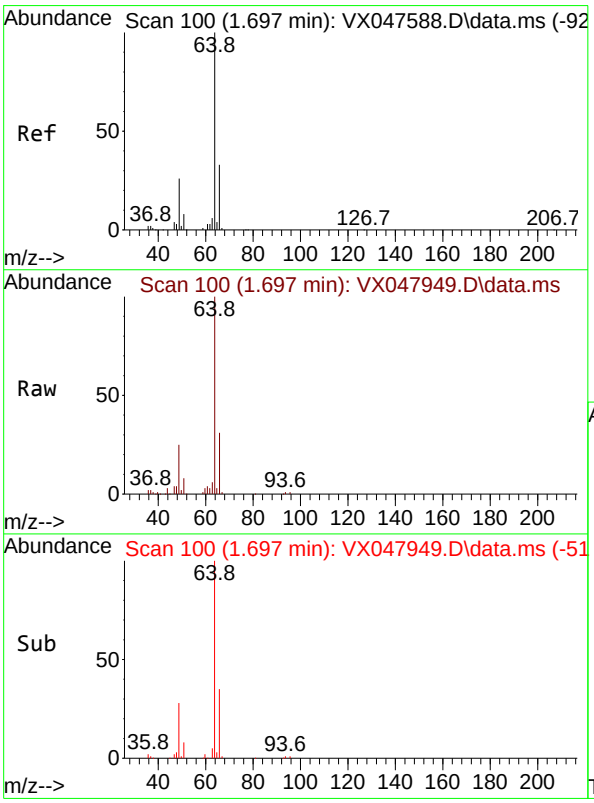
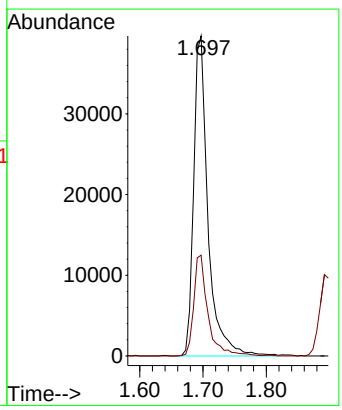


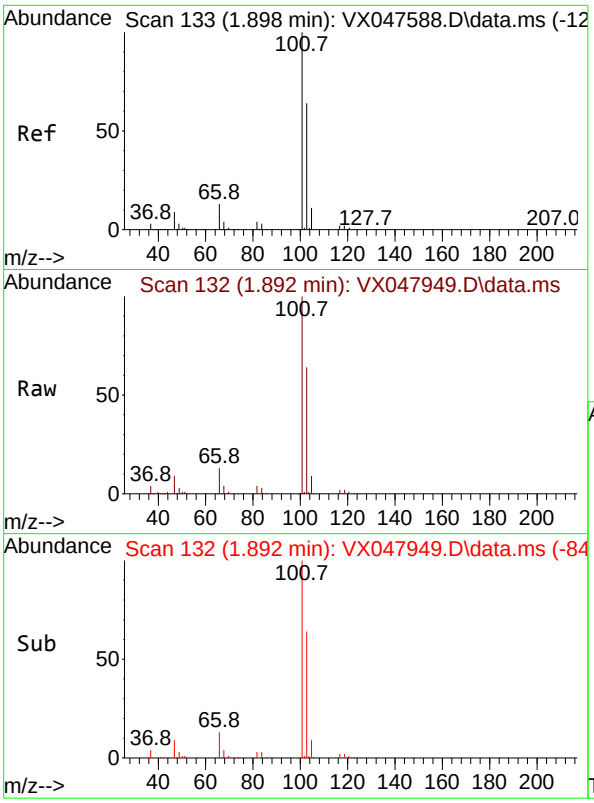


#6
Chloroethane
Concen: 51.000 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 64 Resp: 62475

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.1	39.1





#7
Trichlorofluoromethane
Concen: 50.534 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:101 Resp: 13752

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

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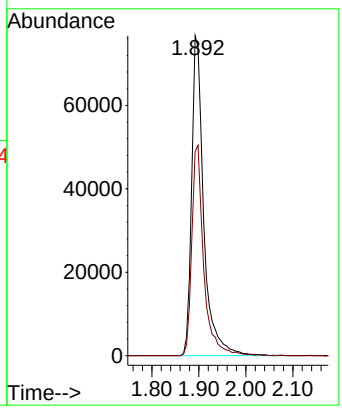
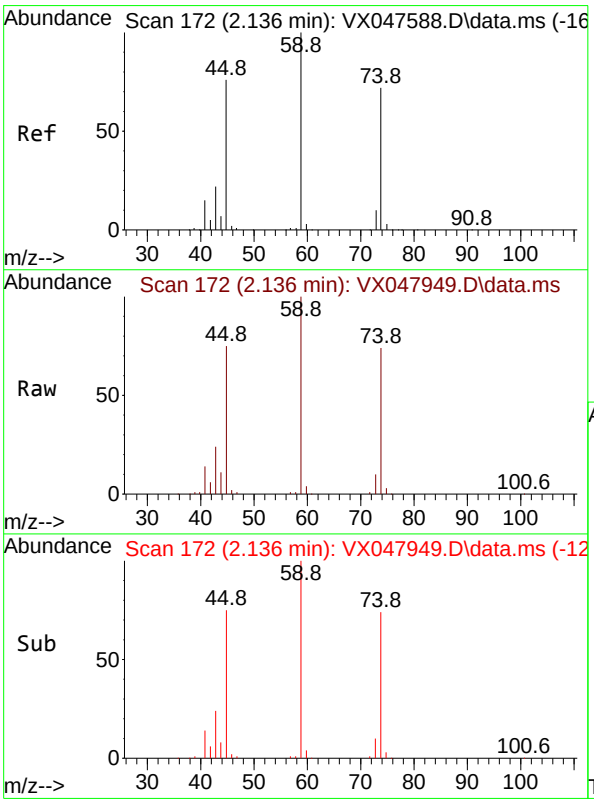
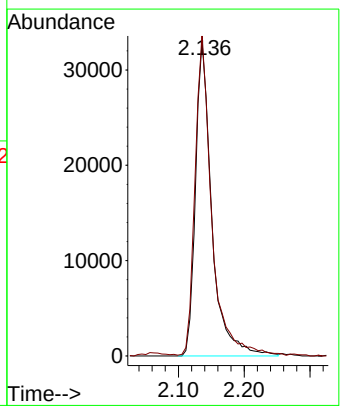


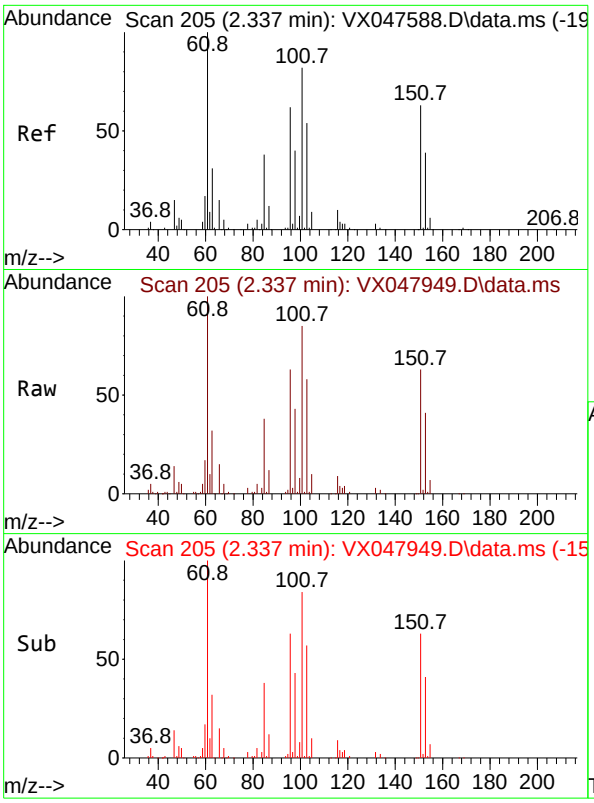


#8
Diethyl Ether
Concen: 51.029 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 74 Resp: 56807

Ion	Ratio	Lower	Upper
74	100		
45	103.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.694 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:101 Resp: 7907

Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.5	53.3
151	71.3	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

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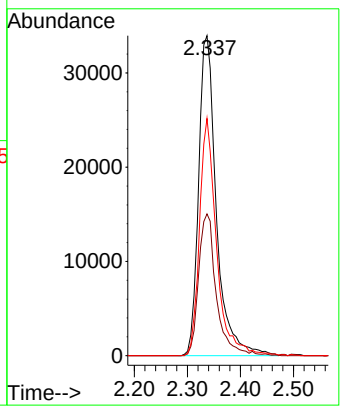
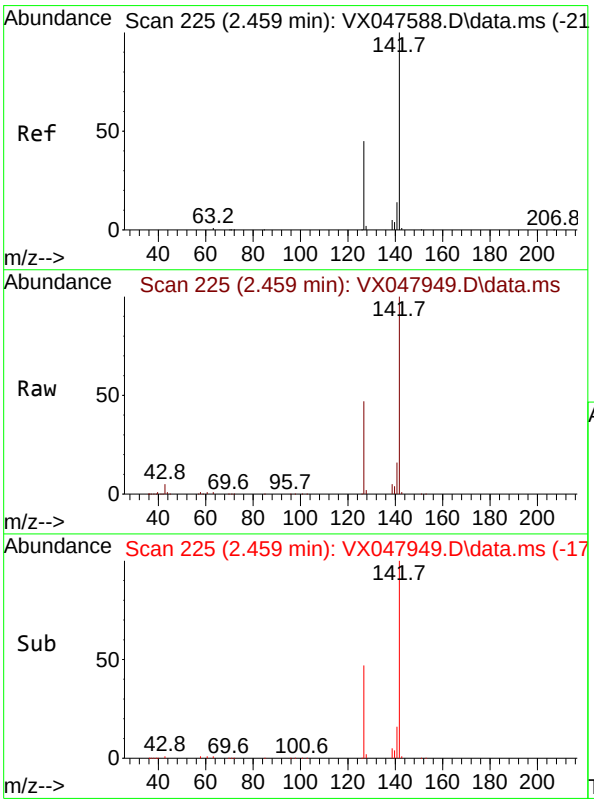
Supervised By :Mahesh Dadoda 10/03/2025

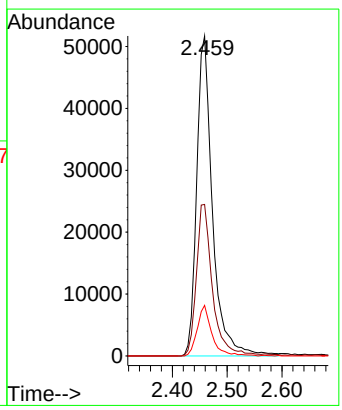


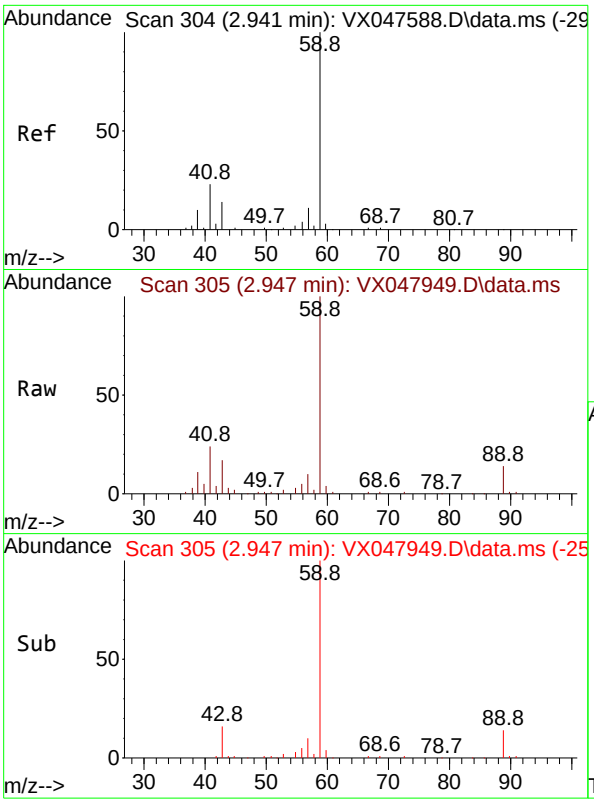


#10
Methyl Iodide
Concen: 41.785 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:142 Resp: 103700

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	14.6	11.4	17.0





#11
Tert butyl alcohol
Concen: 249.645 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 59 Resp: 6088

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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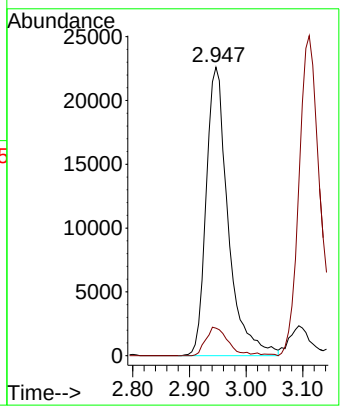
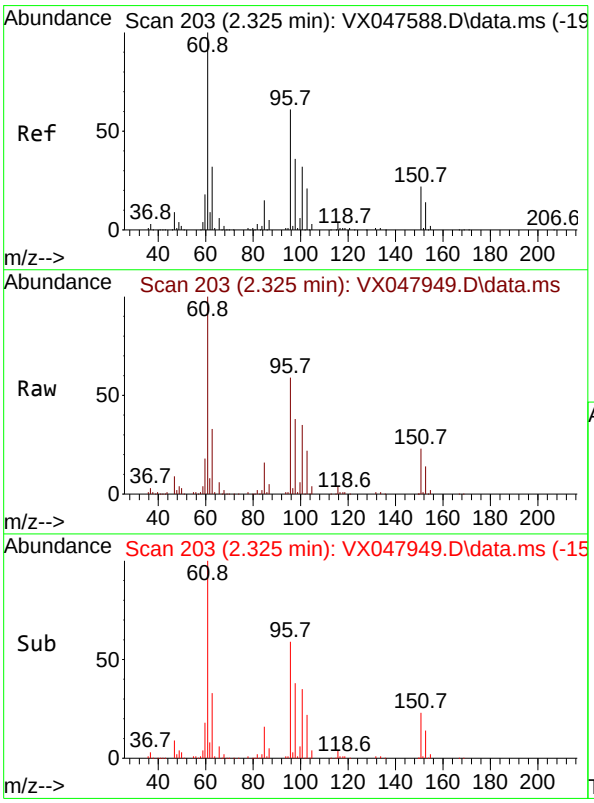
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

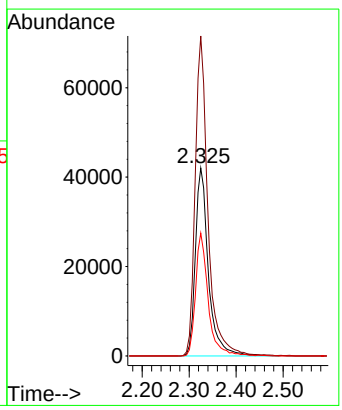


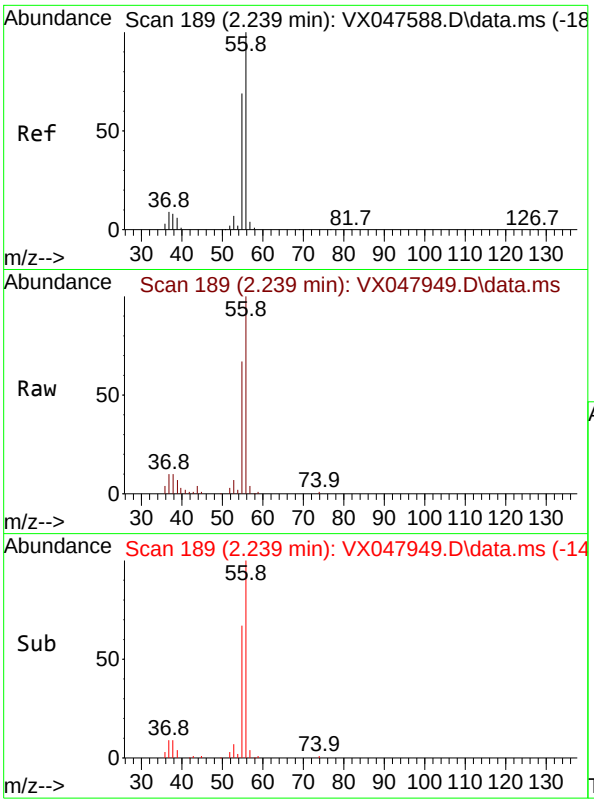


#12
1,1-Dichloroethene
Concen: 49.859 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 96 Resp: 81498

Ion	Ratio	Lower	Upper
96	100		
61	170.2	131.0	196.6
98	65.4	47.7	71.5





#13
Acrolein
Concen: 244.482 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 56 Resp: 5494

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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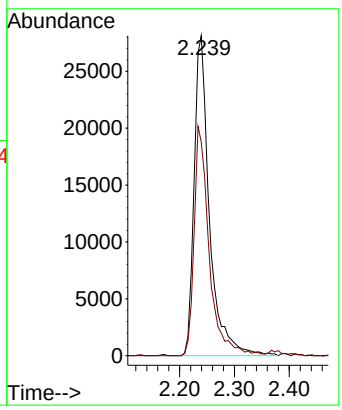
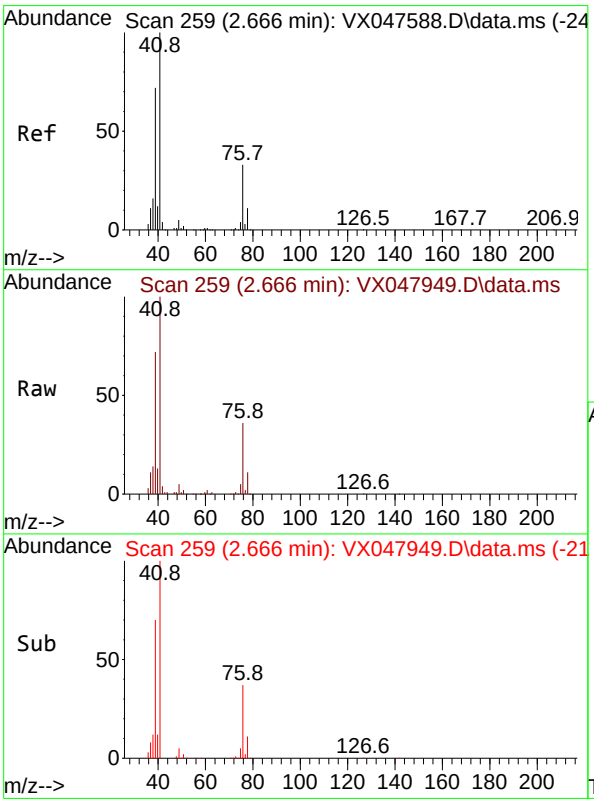
Supervised By :Mahesh Dadoda 10/03/2025

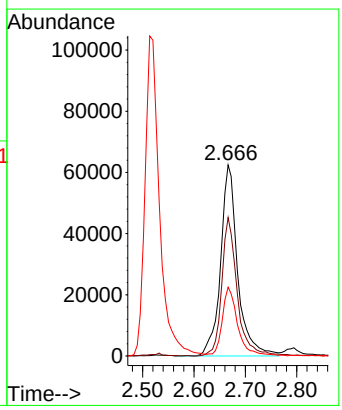


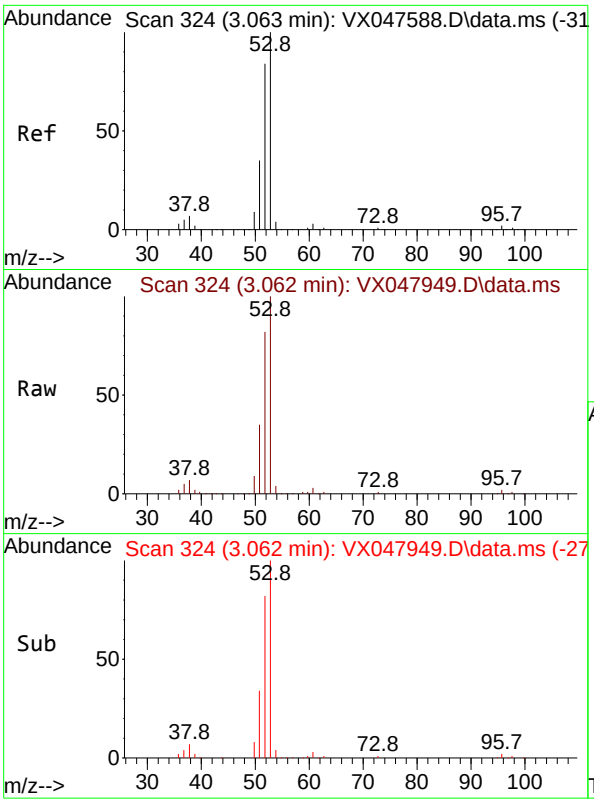


#14
Allyl chloride
Concen: 42.825 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 41 Resp: 144448

Ion	Ratio	Lower	Upper
41	100		
39	65.8	54.7	82.1
76	32.1	25.7	38.5





#15
Acrylonitrile
Concen: 285.248 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 53 Resp: 25769

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.4	99.6
51	35.6	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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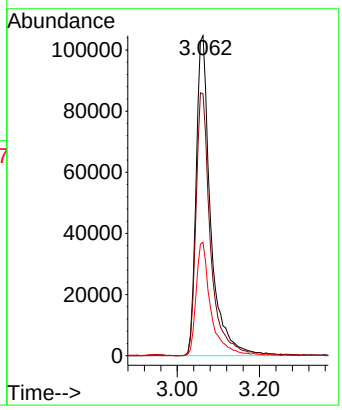
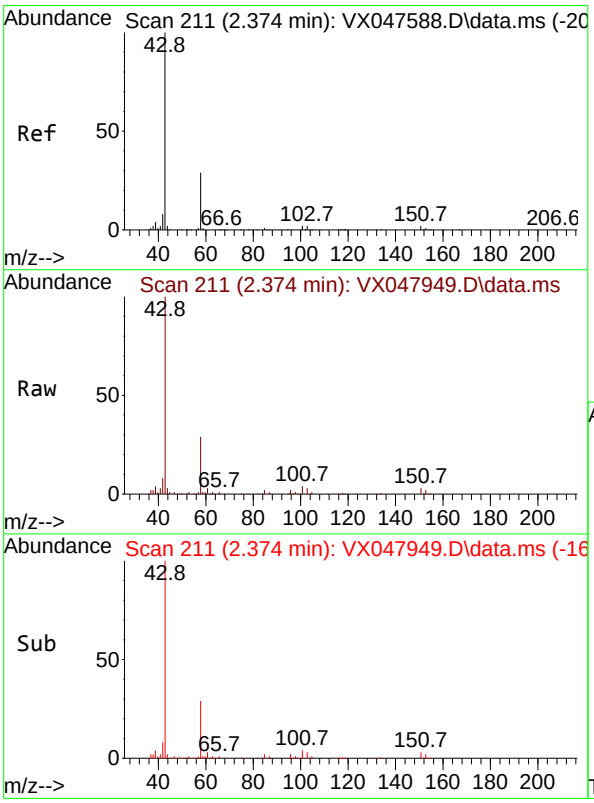
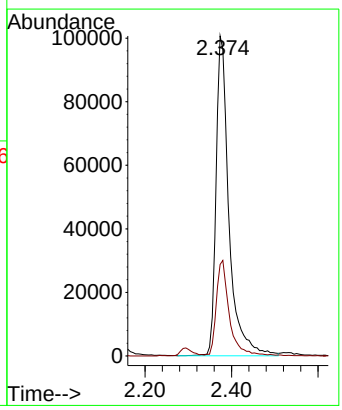


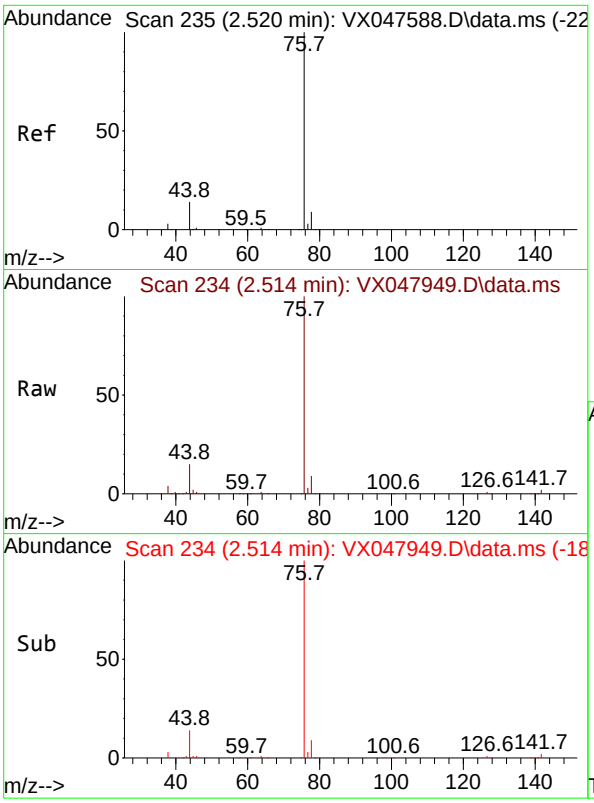


#16
Acetone
Concen: 219.231 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 208744

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0





#17
Carbon Disulfide
Concen: 45.784 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 76 Resp: 20487

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
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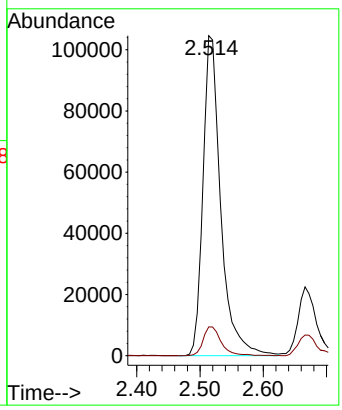
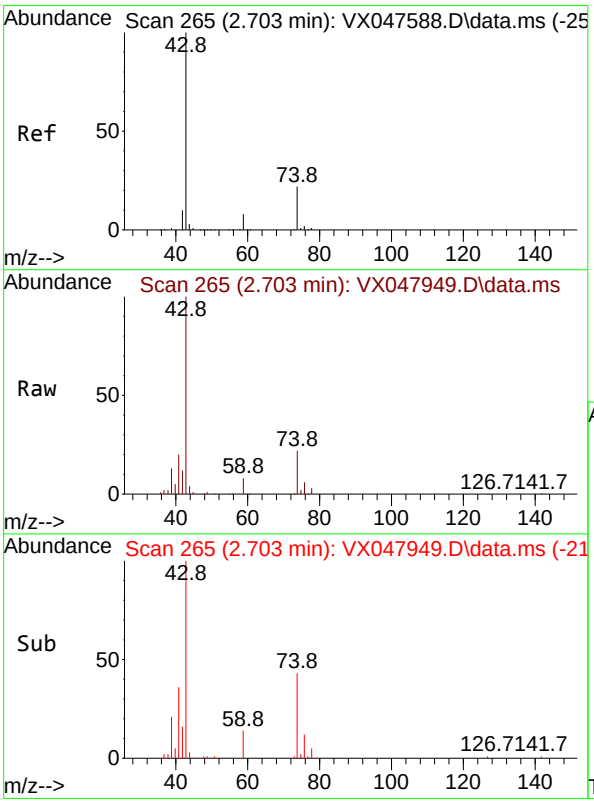
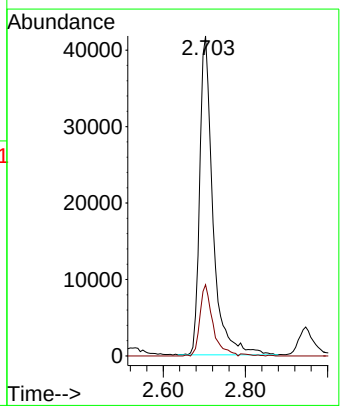


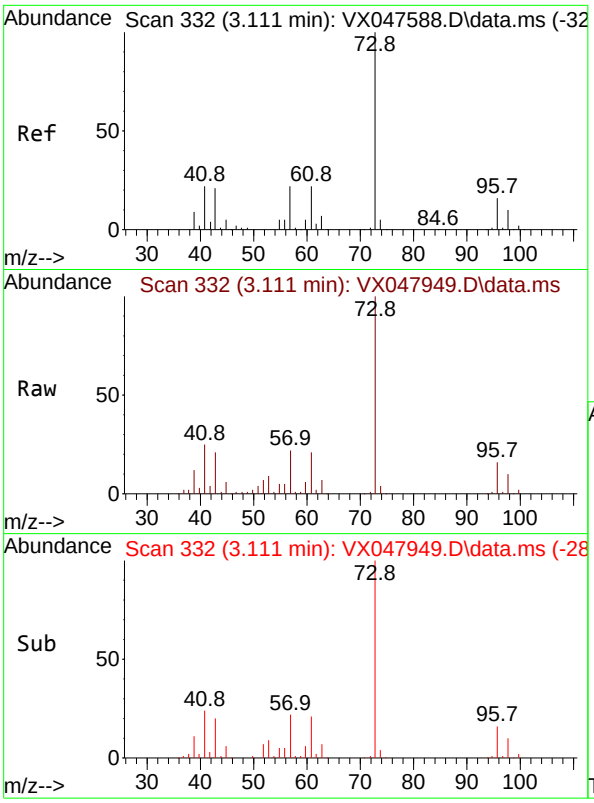


#18
Methyl Acetate
Concen: 43.851 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 92923

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 50.895 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 73 Resp: 30368

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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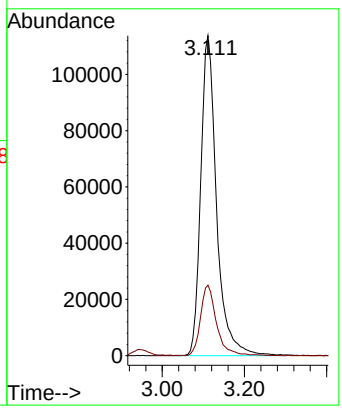
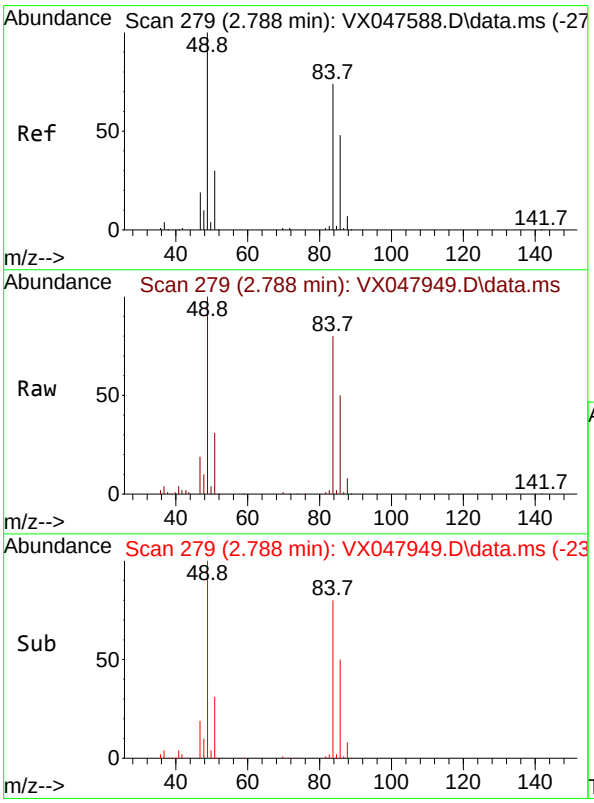
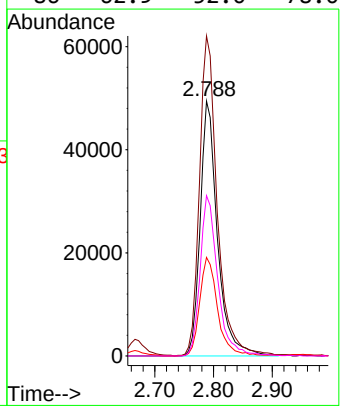


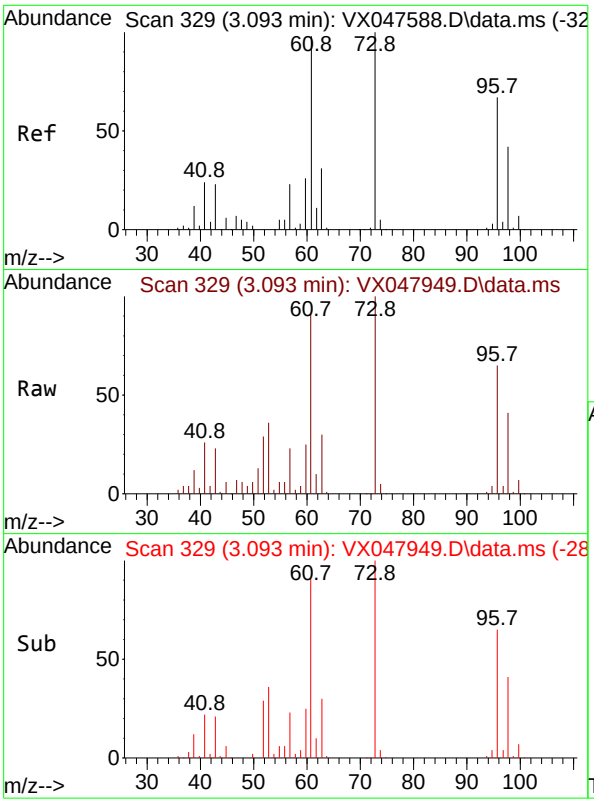


#20
Methylene Chloride
Concen: 50.324 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 84 Resp: 101427

Ion	Ratio	Lower	Upper
84	100		
49	125.3	108.6	162.8
51	38.6	32.6	48.8
86	62.9	52.0	78.0

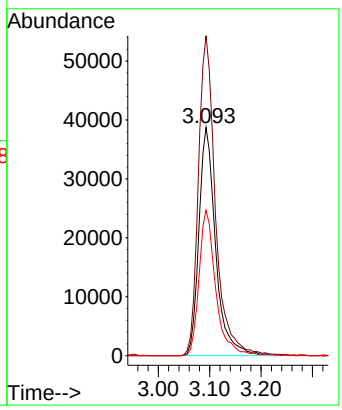




#21
trans-1,2-Dichloroethene
Concen: 49.945 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 96 Resp: 8789

Ion	Ratio	Lower	Upper
96	100		
61	140.2	116.2	174.2
98	63.8	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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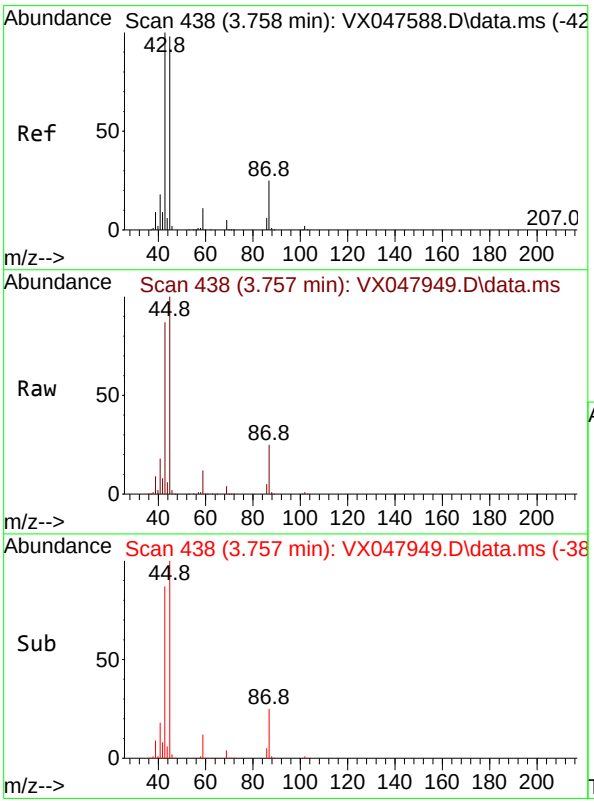
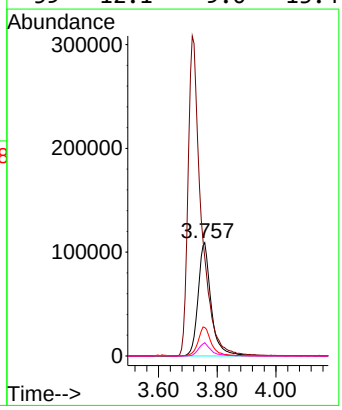
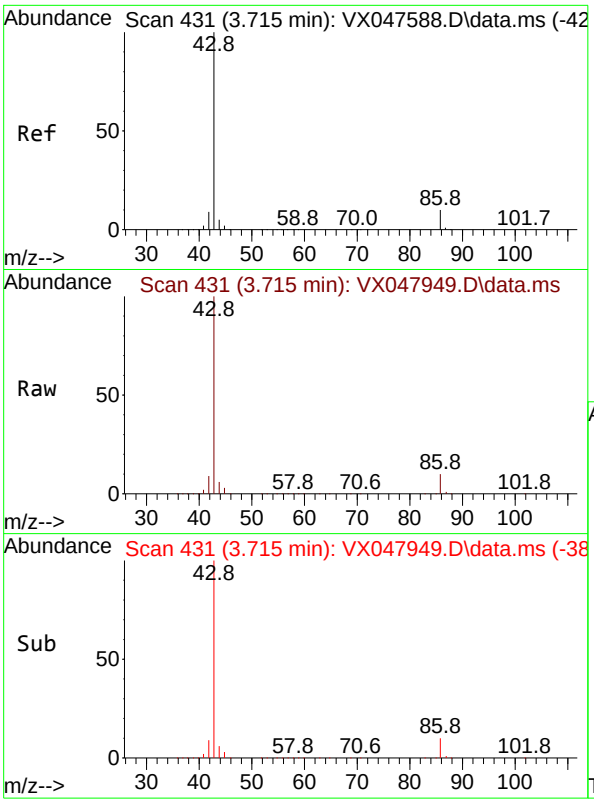


#22
Diisopropyl ether
Concen: 51.392 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 45 Resp: 335947

Ion	Ratio	Lower	Upper
45	100		
43	86.8	81.0	121.4
87	25.1	20.3	30.5
59	12.1	9.0	13.4





#23
Vinyl Acetate
Concen: 184.589 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 96573

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
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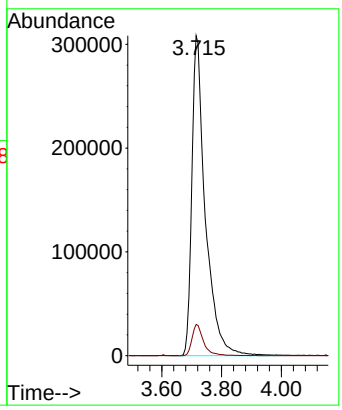
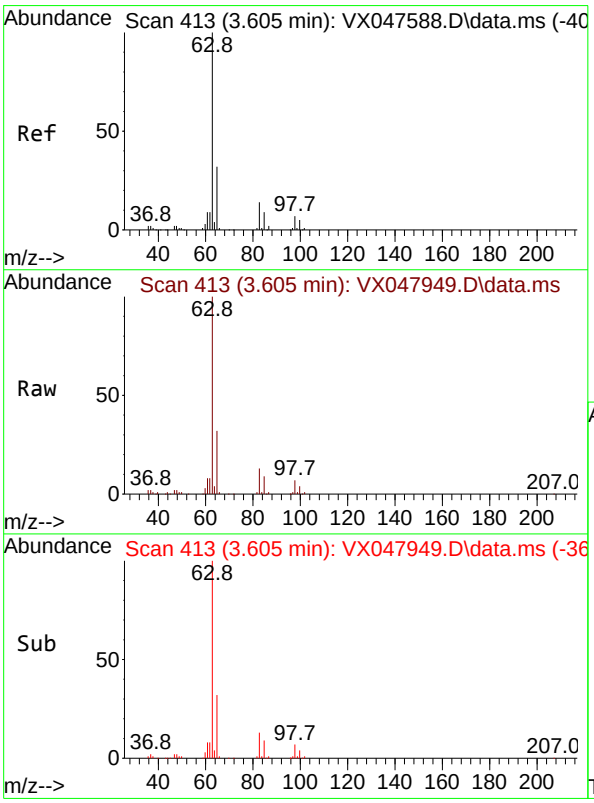
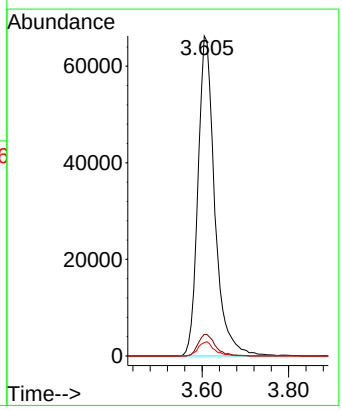


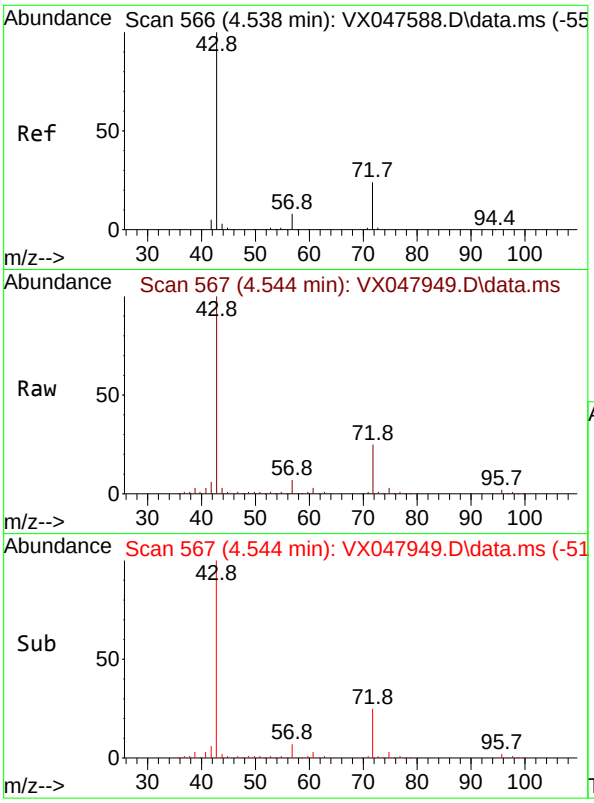


#24
1,1-Dichloroethane
Concen: 51.293 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 63 Resp: 178215

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.1	2.3	6.9





#25
2-Butanone
Concen: 259.561 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 30828

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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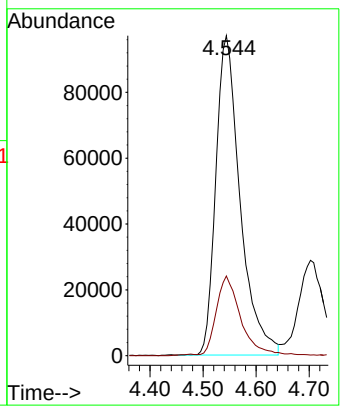
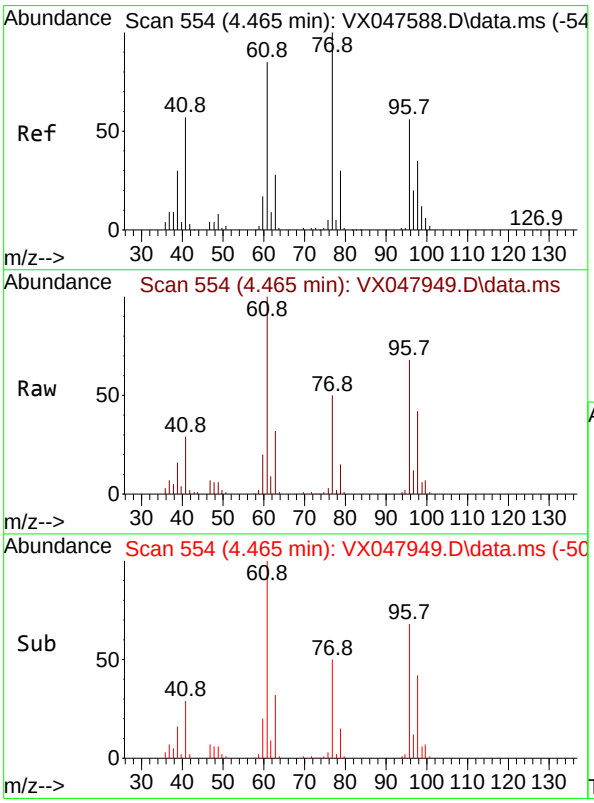
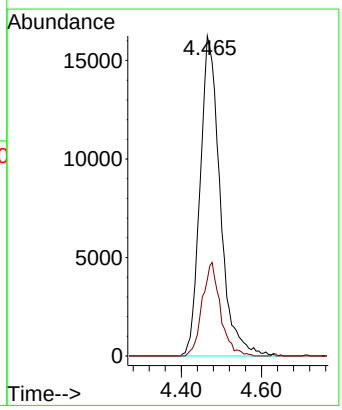


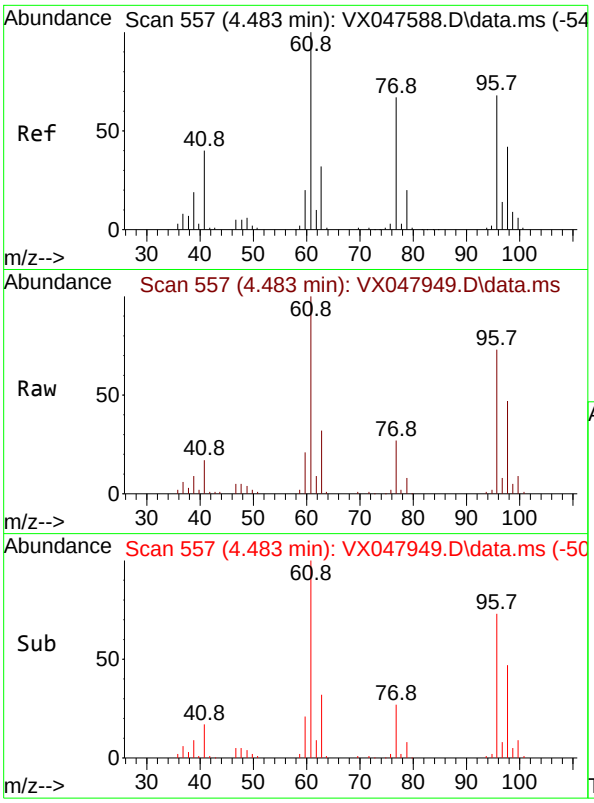


#26
2,2-Dichloropropane
Concen: 19.453 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 77 Resp: 56182

Ion	Ratio	Lower	Upper
77	100		
97	26.7	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 50.592 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 96 Resp: 10903

Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	303.2
98	63.9	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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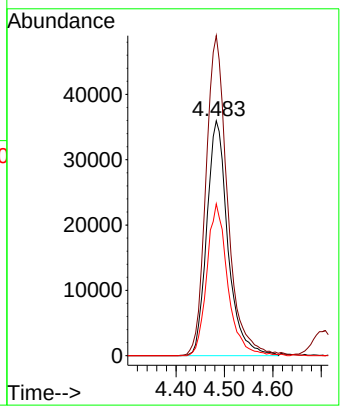
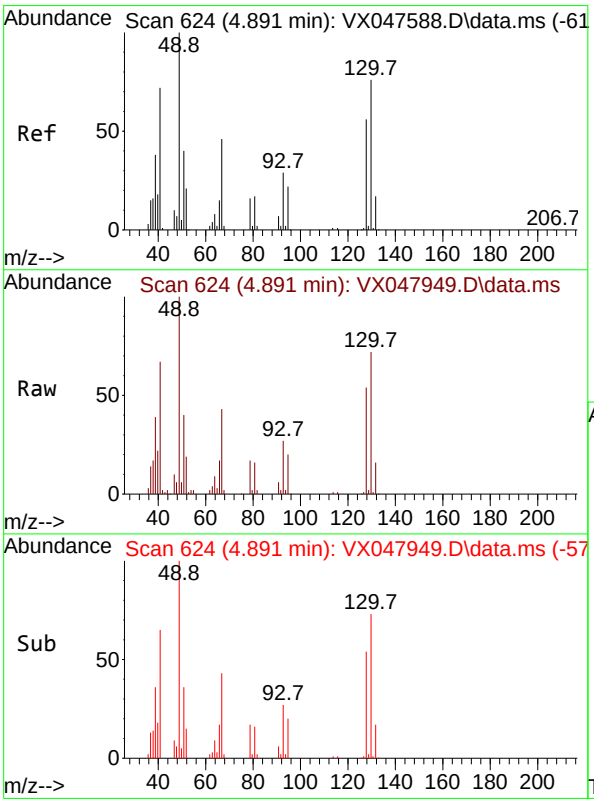
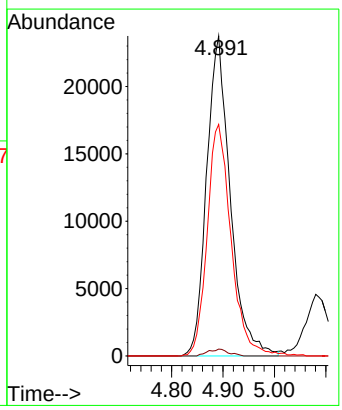


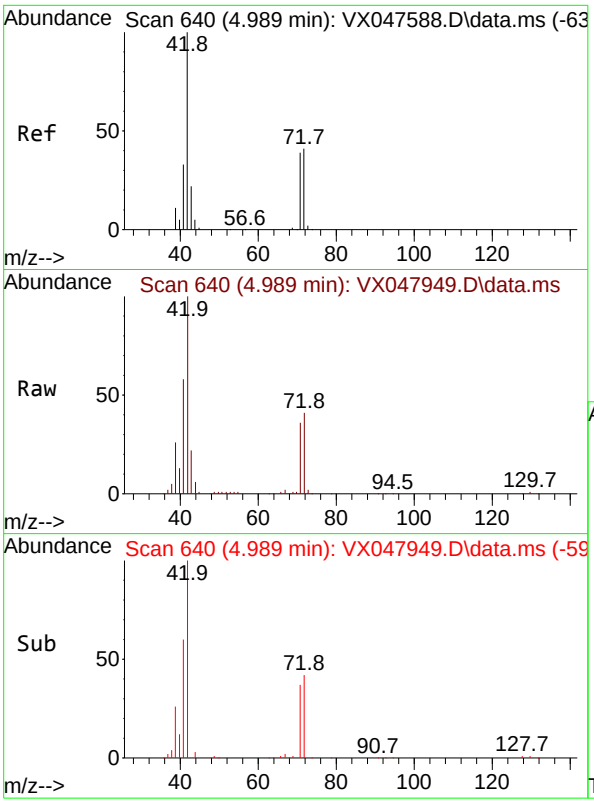


#28
Bromochloromethane
Concen: 49.915 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 49 Resp: 75712

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	73.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 275.188 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 42 Resp: 19662

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	40.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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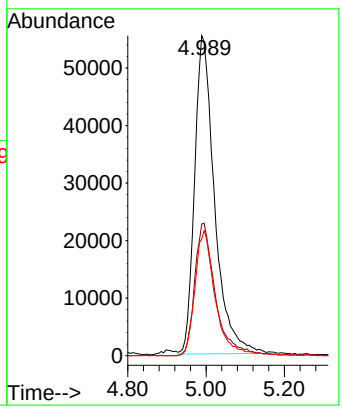
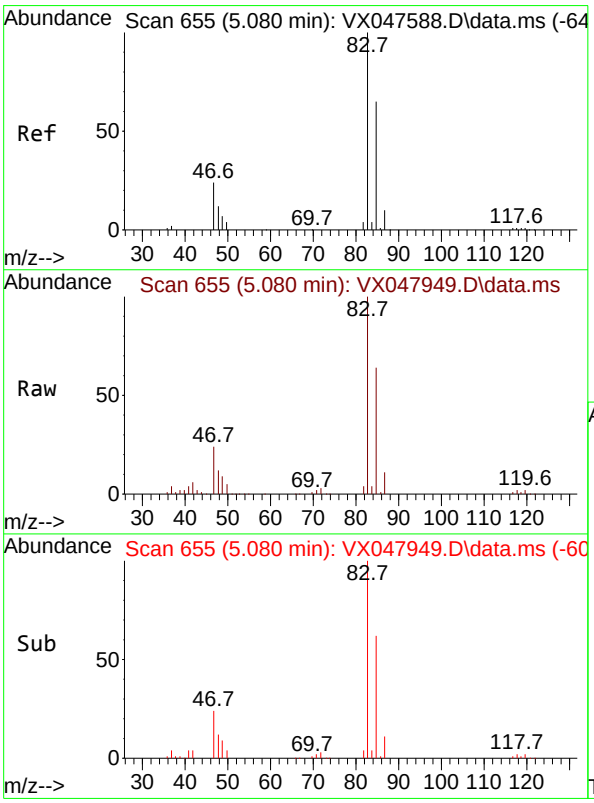
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

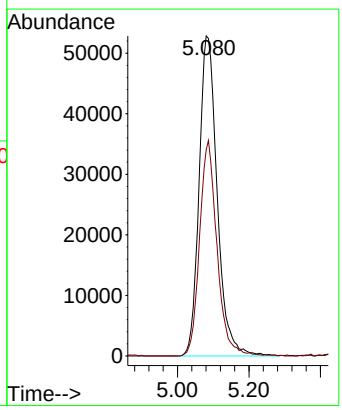


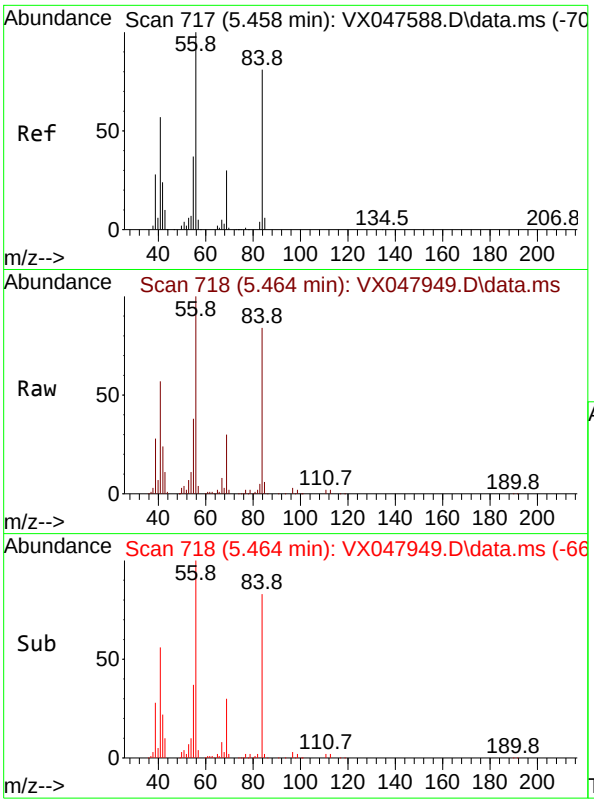


#30
Chloroform
Concen: 52.849 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 83 Resp: 185553

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31
Cyclohexane
Concen: 44.591 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 56 Resp: 12903

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.8
84	81.1	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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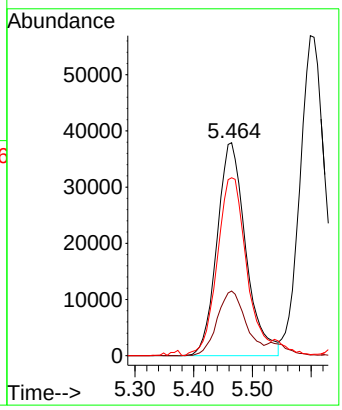
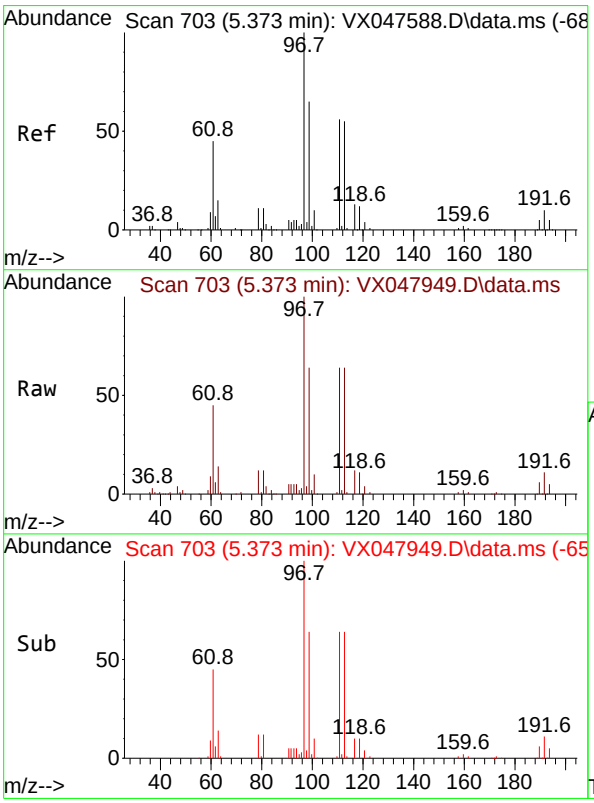
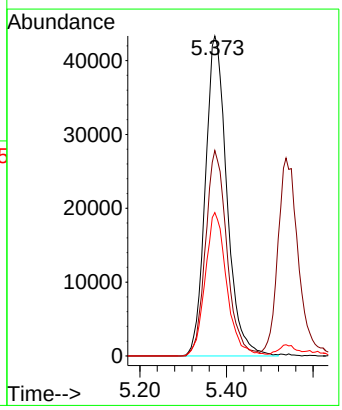


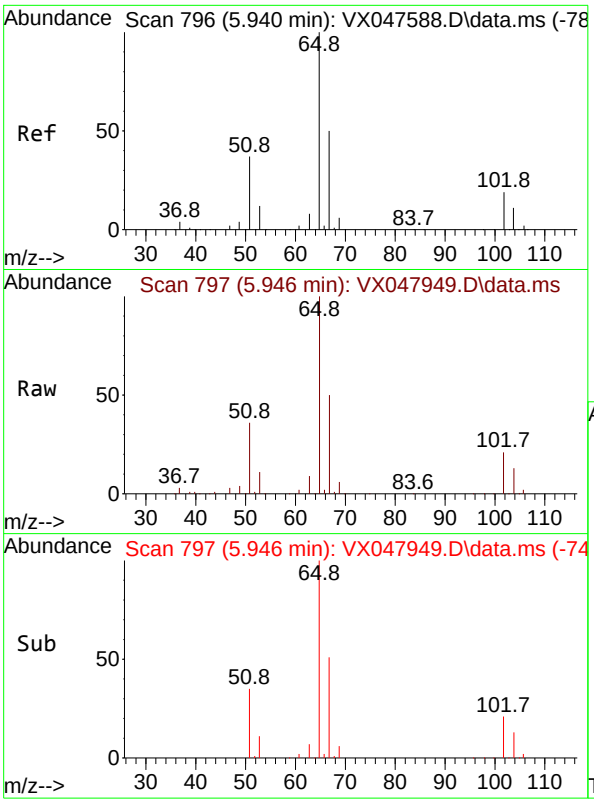


#32
1,1,1-Trichloroethane
Concen: 50.295 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 97 Resp: 149781

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	45.0	35.8	53.8

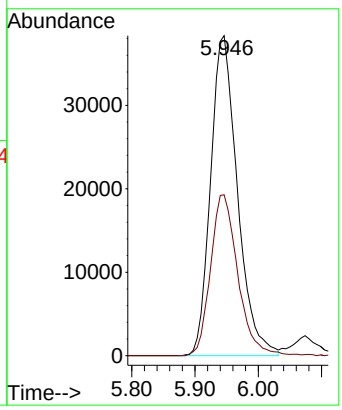




#33
1,2-Dichloroethane-d4
Concen: 51.539 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 65 Resp: 11286

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
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Reviewed By :John Carlone 10/03/2025
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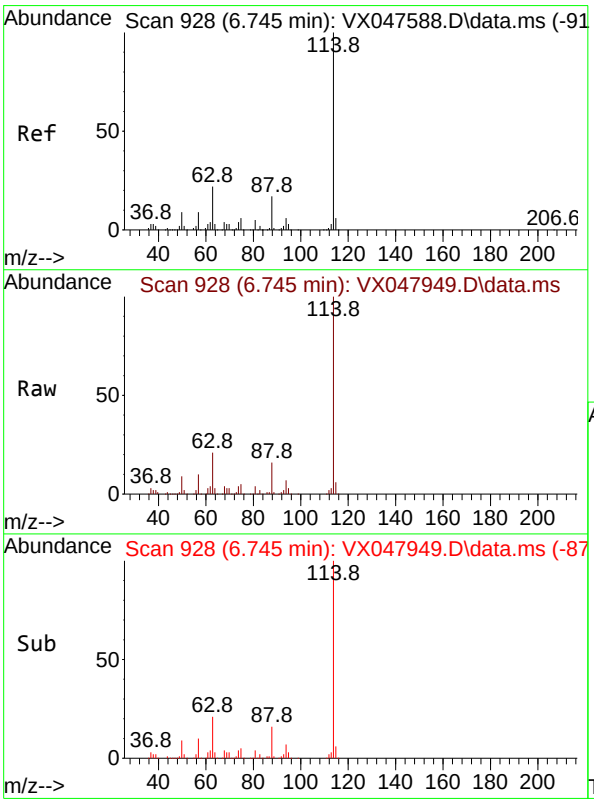
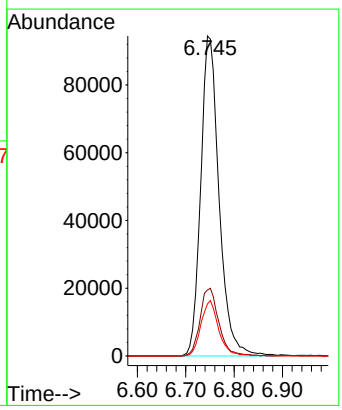
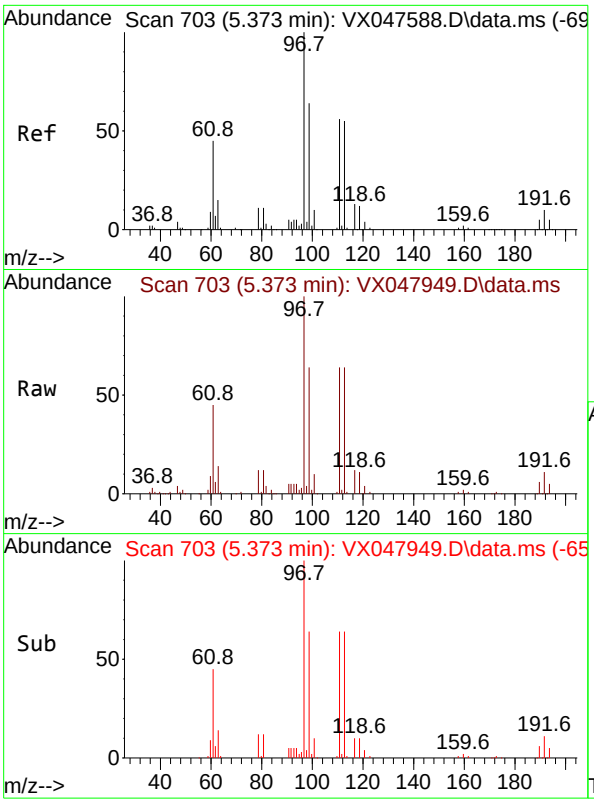


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:114 Resp: 249155

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	16.3	0.0	34.2

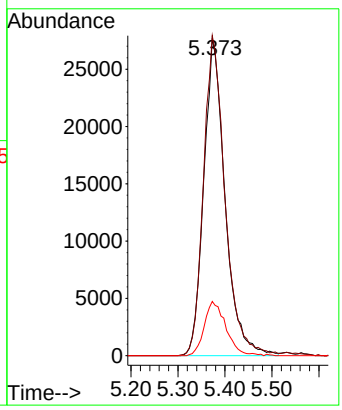




#35
Dibromofluoromethane
Concen: 52.119 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:113 Resp: 8709

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	17.4	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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Reviewed By :John Carlone 10/03/2025
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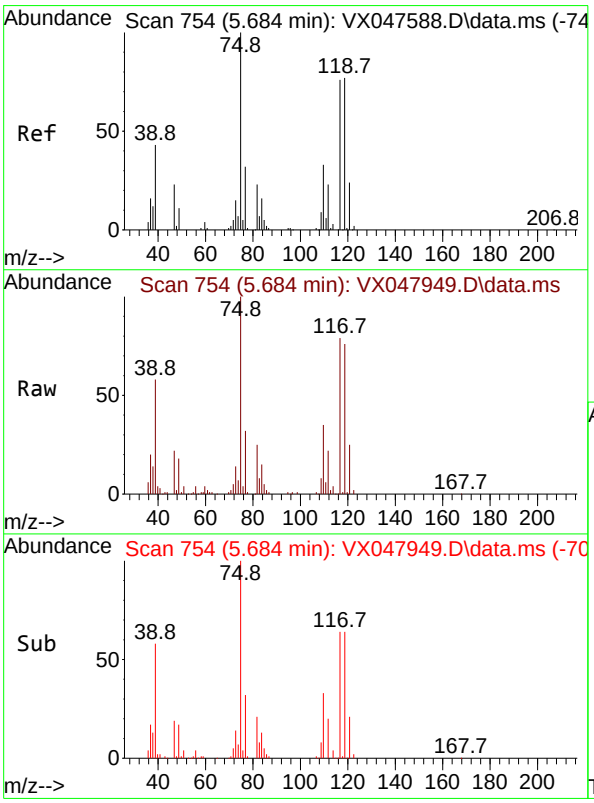
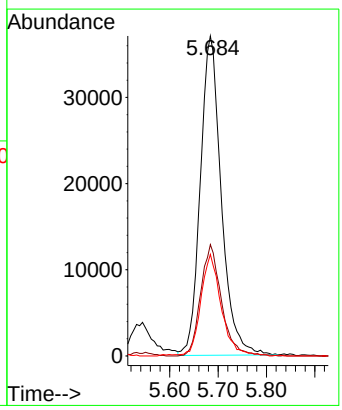
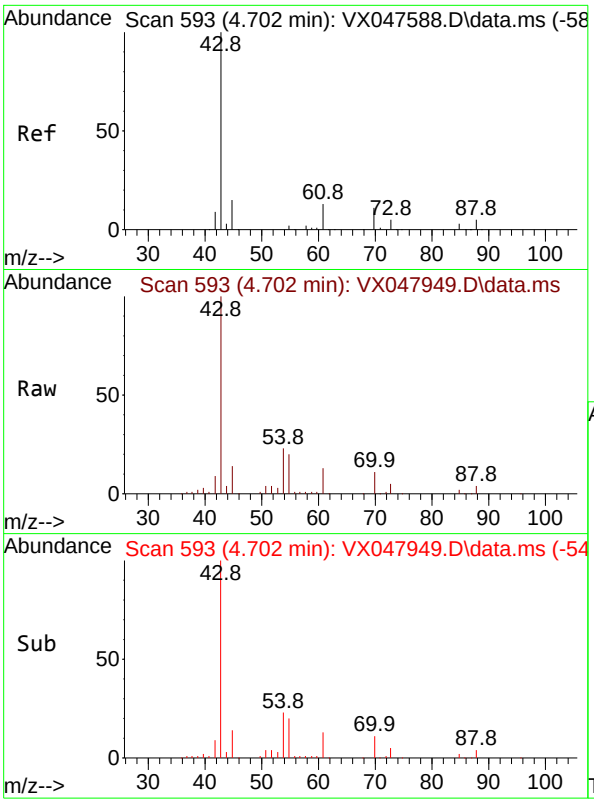


#36
1,1-Dichloropropene
Concen: 45.705 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 111598

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	30.9	24.3	36.5

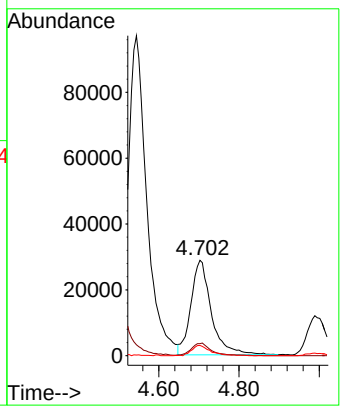




#37
Ethyl Acetate
Concen: 38.771 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 10136

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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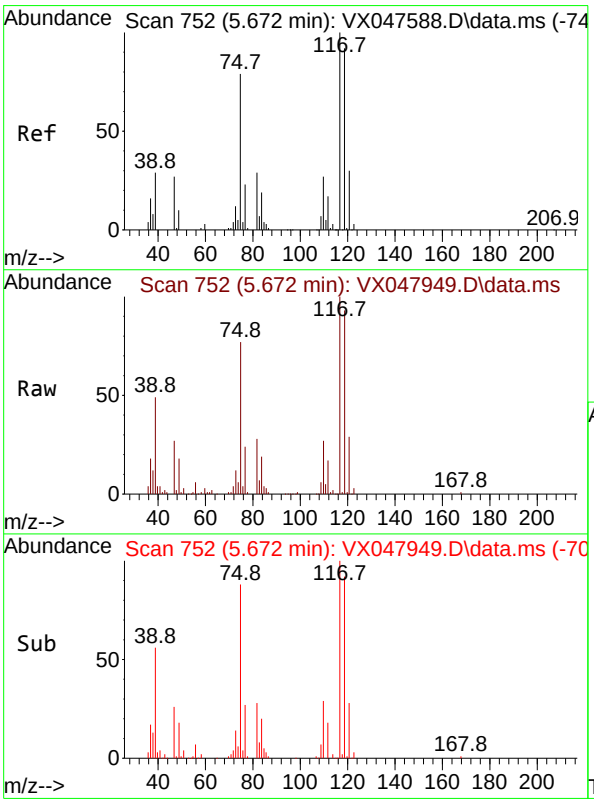
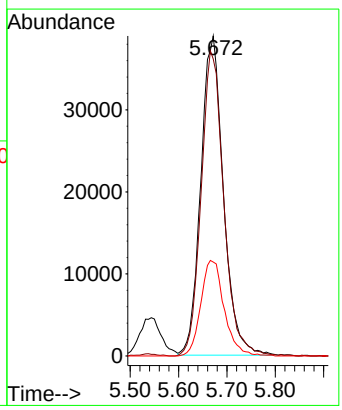
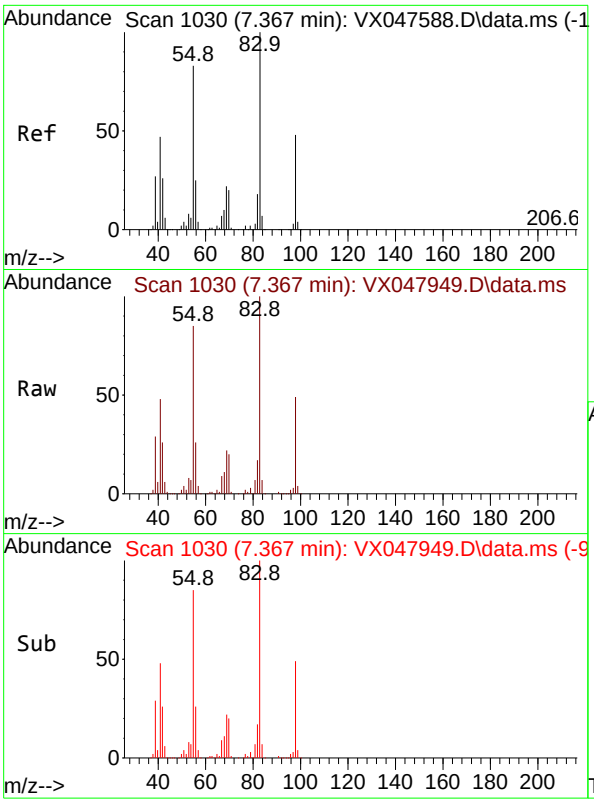


#38
Carbon Tetrachloride
Concen: 47.739 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:117 Resp: 126647

Ion	Ratio	Lower	Upper
117	100		
119	92.8	73.4	110.2
121	29.4	23.8	35.6





#39
Methylcyclohexane
Concen: 42.077 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 83 Resp: 11662

Ion	Ratio	Lower	Upper
83	100		
55	84.9	66.4	99.6
98	49.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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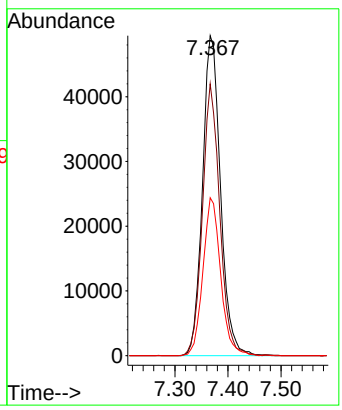
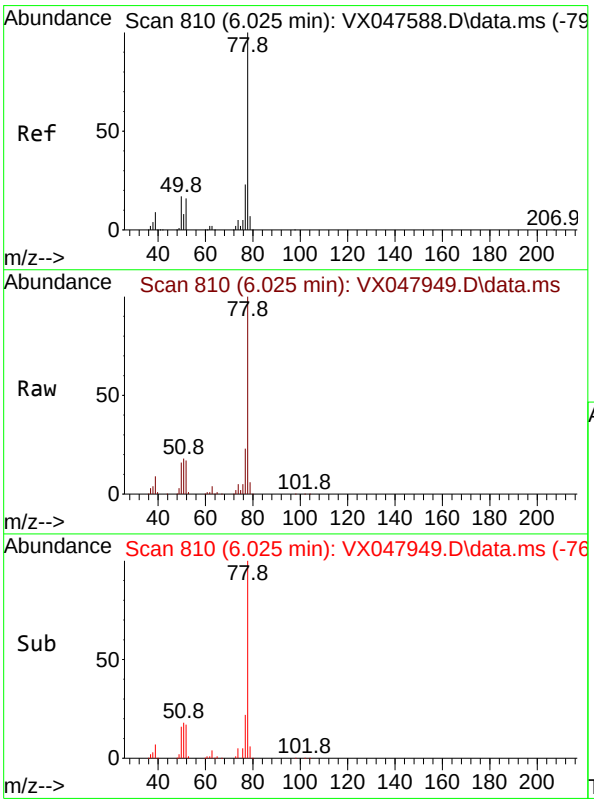
Supervised By :Mahesh Dadoda 10/03/2025

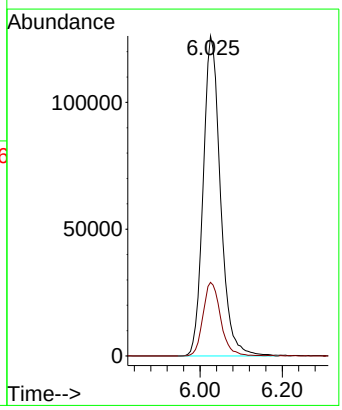


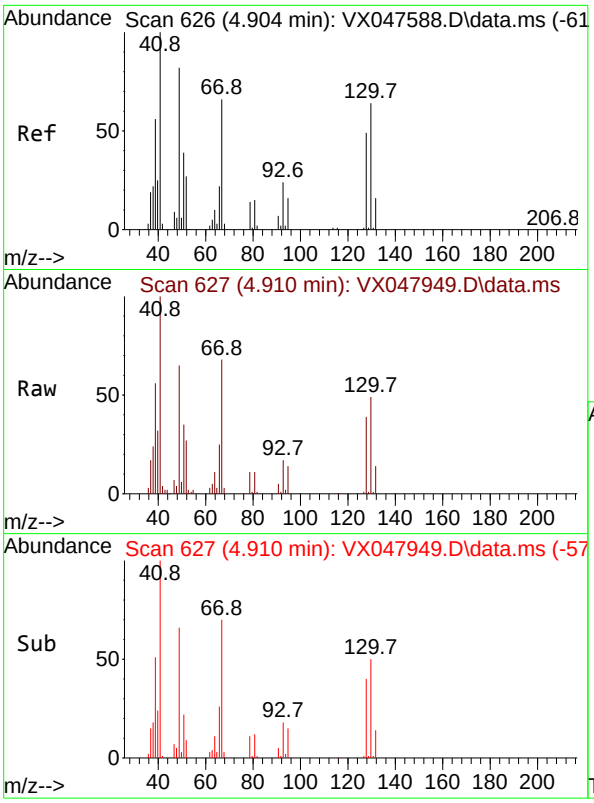


#40
Benzene
Concen: 49.830 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 78 Resp: 369543

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2

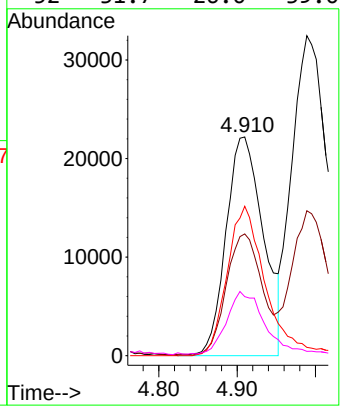




#41
Methacrylonitrile
Concen: 54.602 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 41 Resp: 7369

Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.3	64.9
67	71.0	58.6	87.8
52	31.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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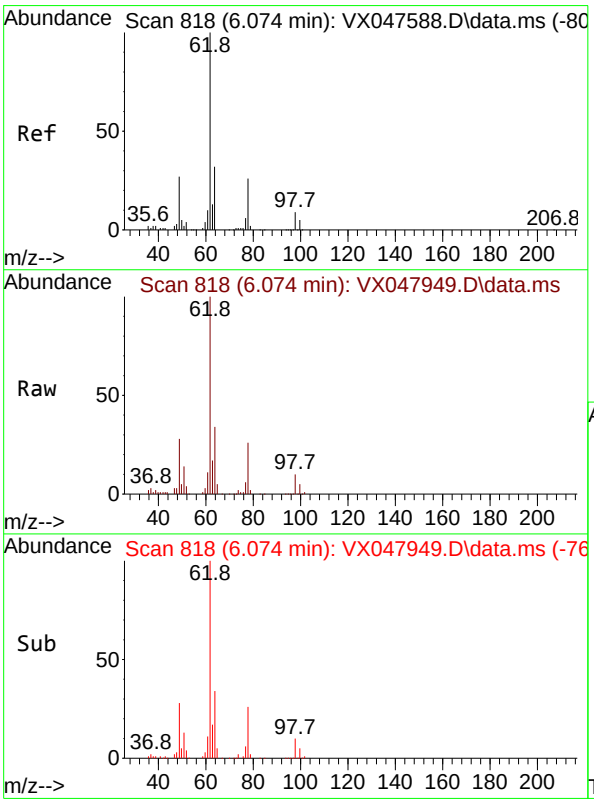
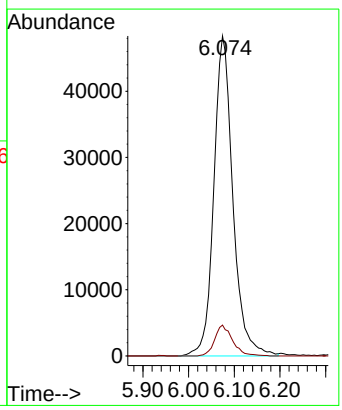
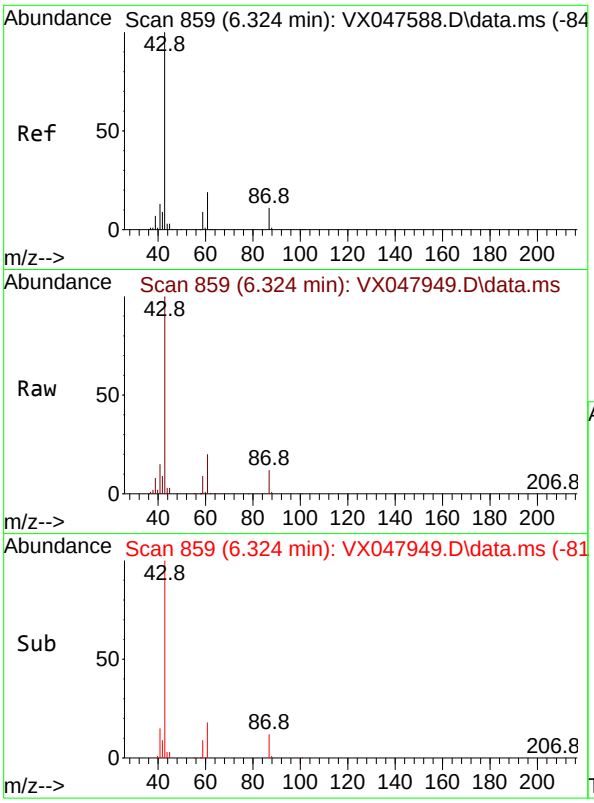


#42
1,2-Dichloroethane
Concen: 49.633 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 62 Resp: 140050

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0

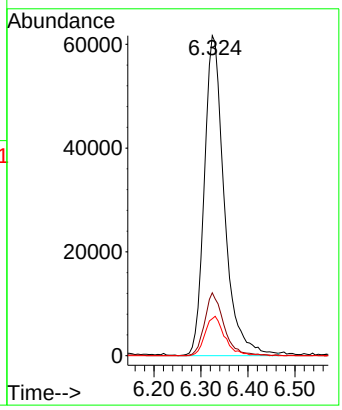




#43
Isopropyl Acetate
Concen: 42.456 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 18204

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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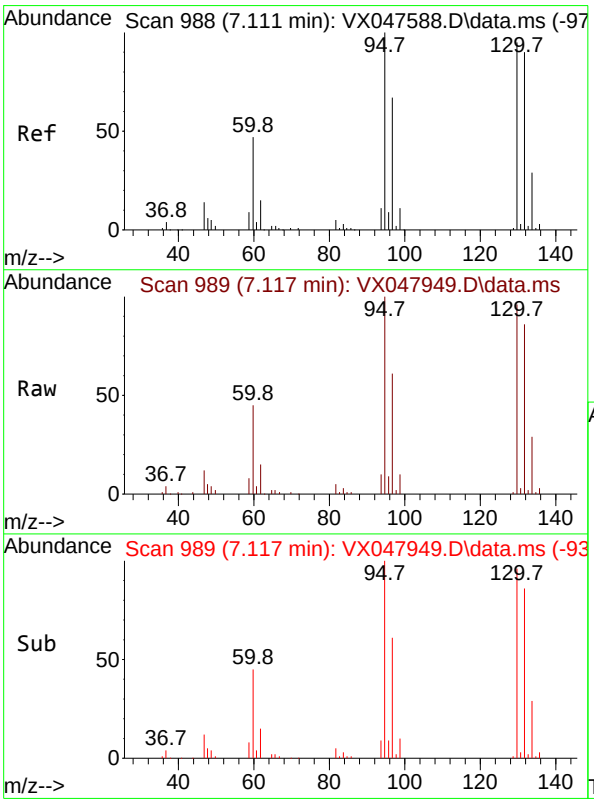
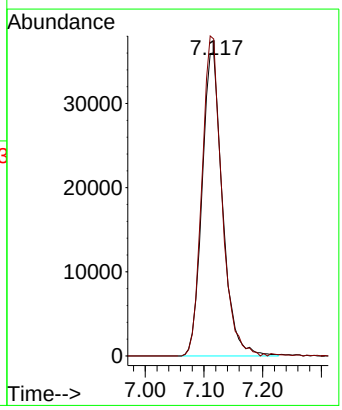
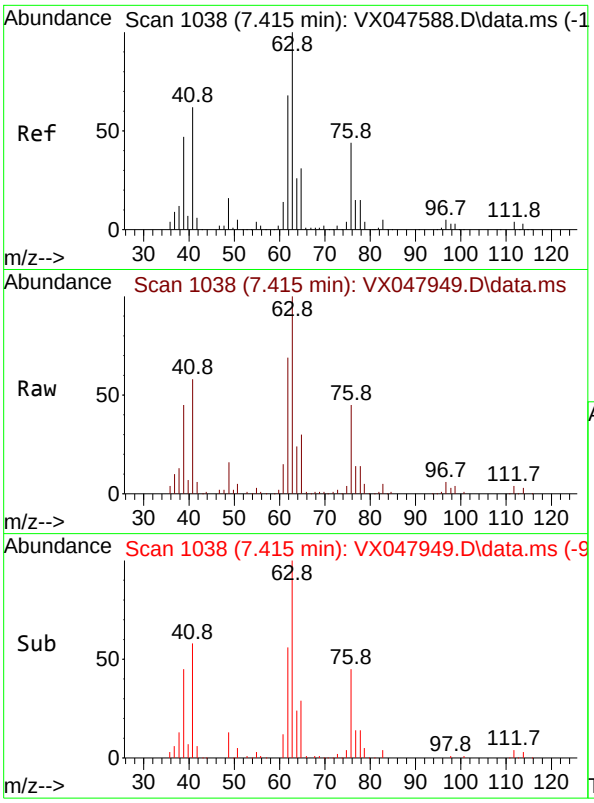


#44
Trichloroethene
Concen: 48.741 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:130 Resp: 87388

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	210.8





#45
1,2-Dichloropropane
Concen: 51.135 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 63 Resp: 9710

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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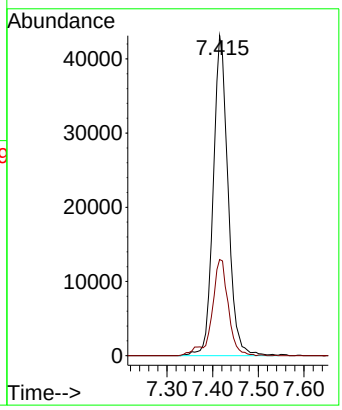
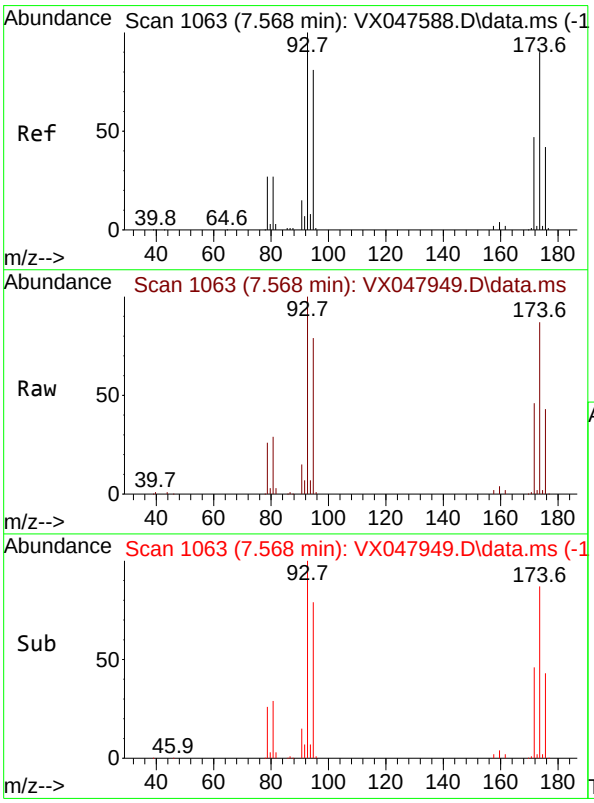
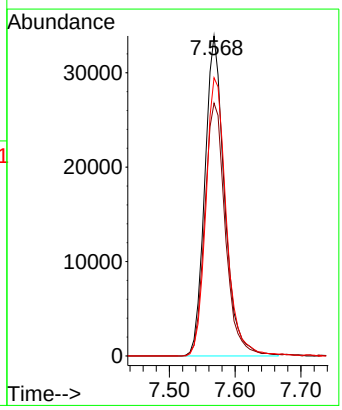


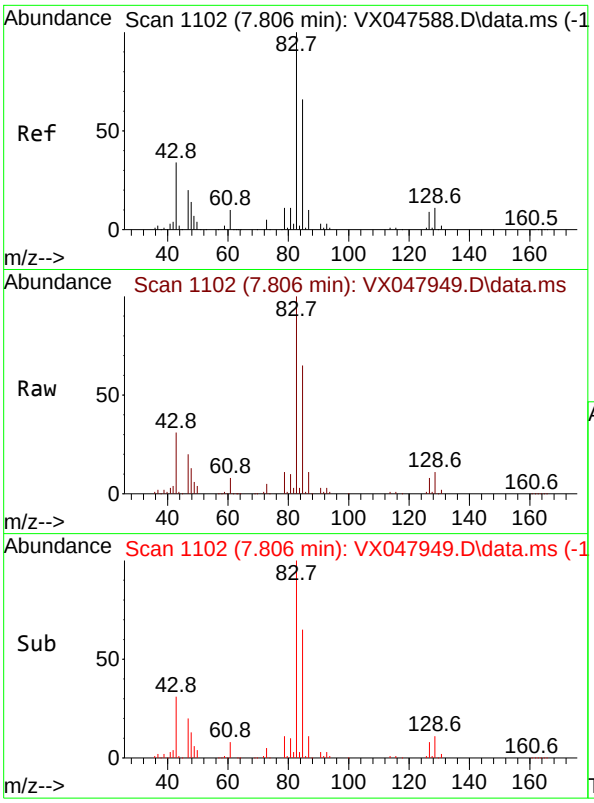


#46
Dibromomethane
Concen: 51.238 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 93 Resp: 70804

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.0	97.6
174	90.3	71.6	107.4

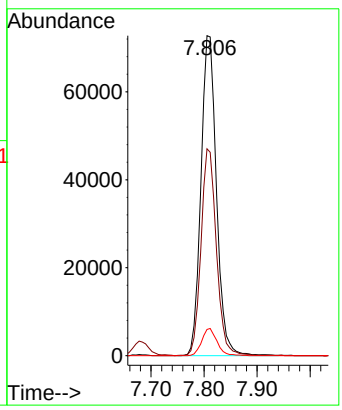




#47
Bromodichloromethane
Concen: 51.878 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 83 Resp: 14793

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
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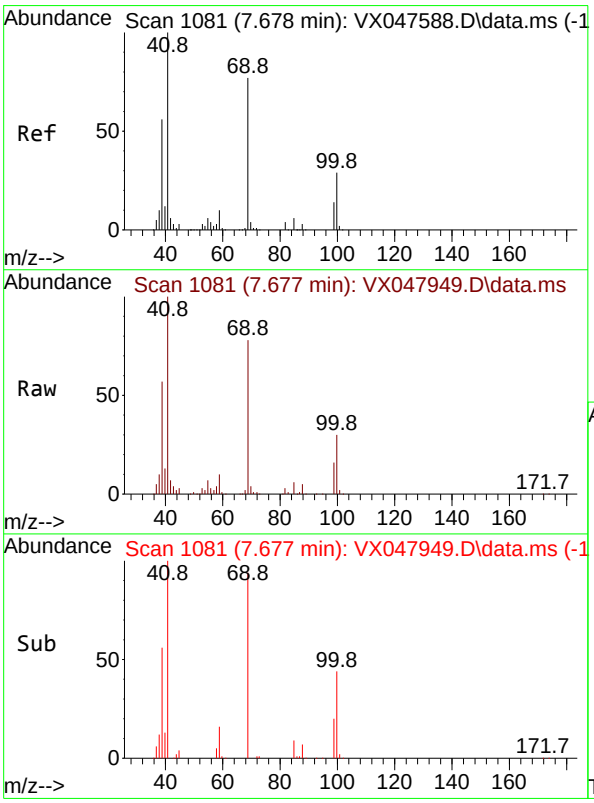
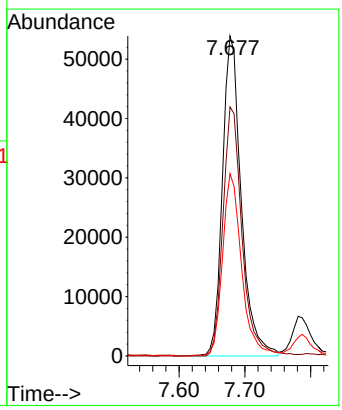
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

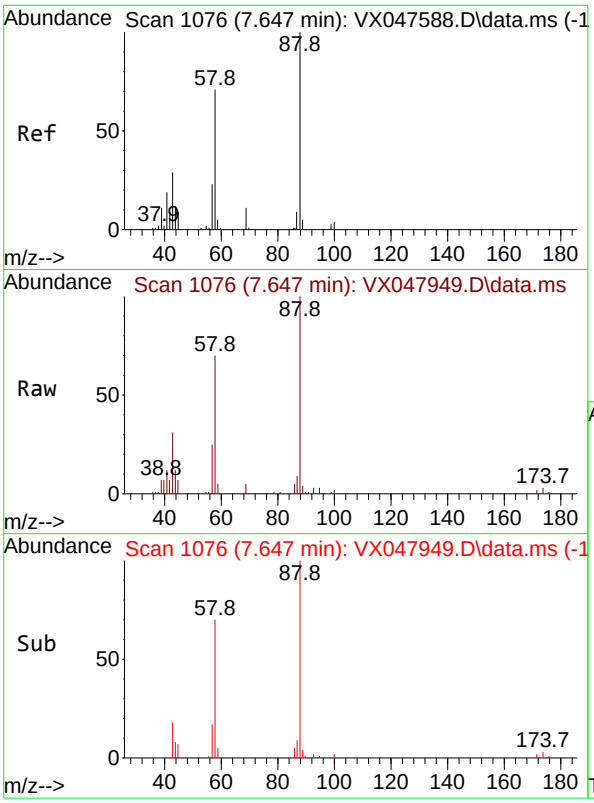


#48
Methyl methacrylate
Concen: 50.318 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 41 Resp: 107467

Ion	Ratio	Lower	Upper
41	100		
69	78.9	61.4	92.2
39	57.8	45.8	68.6





#49
1,4-Dioxane
Concen: 1121.156 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 88 Resp: 2419

Ion	Ratio	Lower	Upper
88	100		
43	42.4	30.2	45.2
58	77.0	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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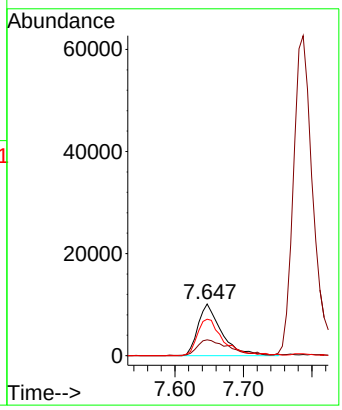
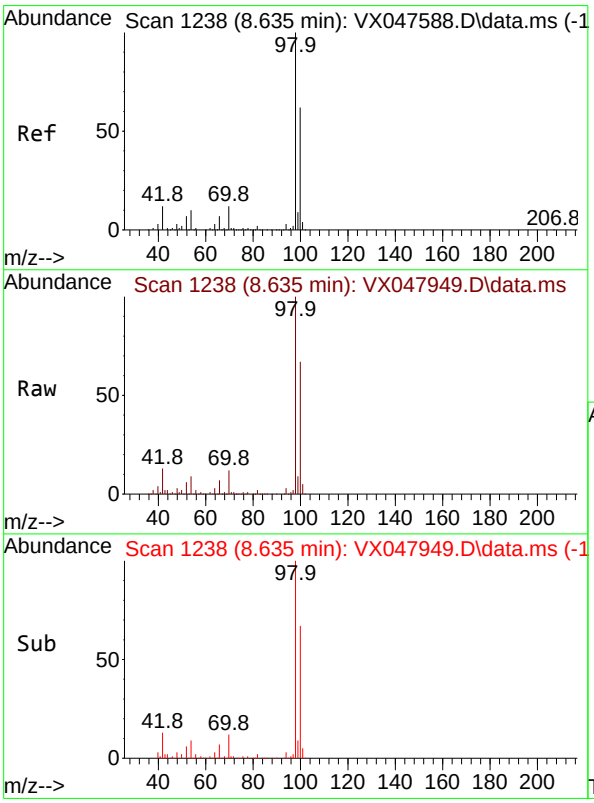
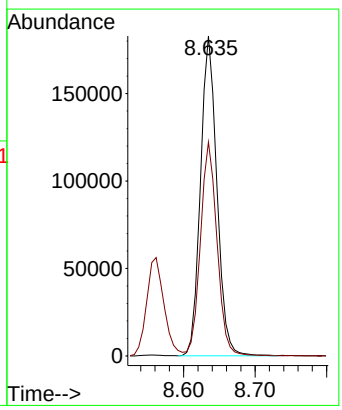


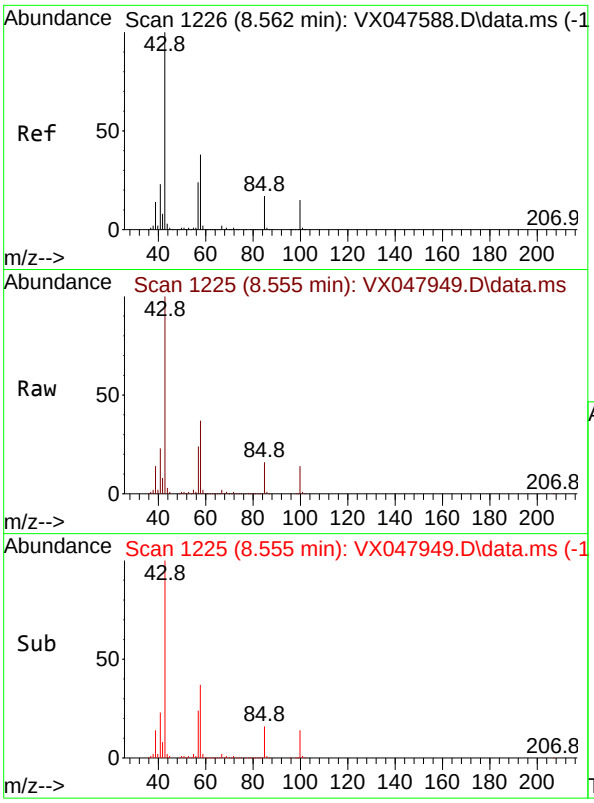


#50
Toluene-d8
Concen: 50.348 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 98 Resp: 291109

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

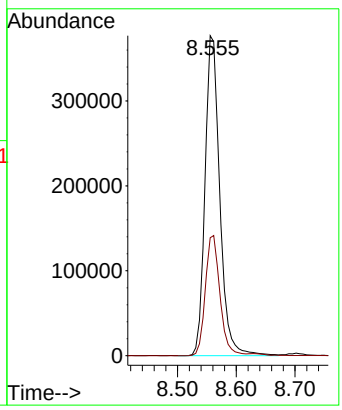




#51
4-Methyl-2-Pentanone
Concen: 277.632 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 66001

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.3	45.5



Instrument :
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ClientSampleId :
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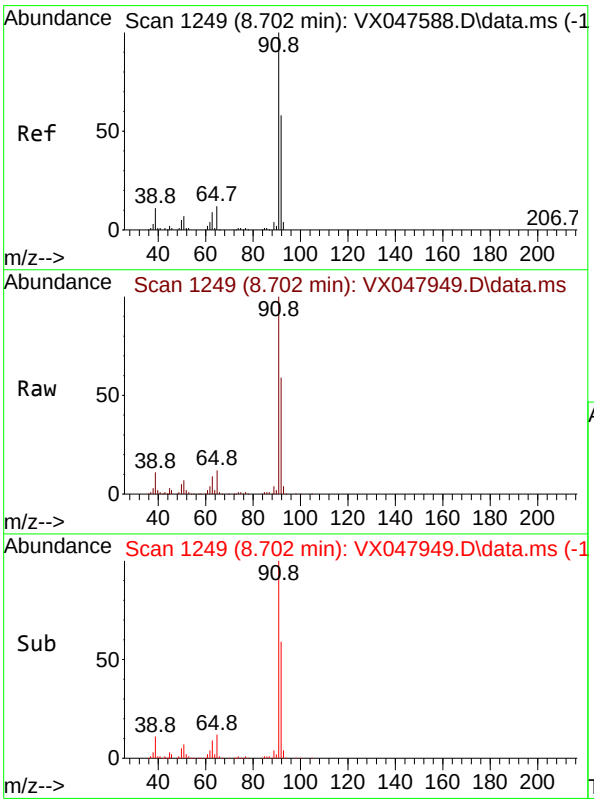
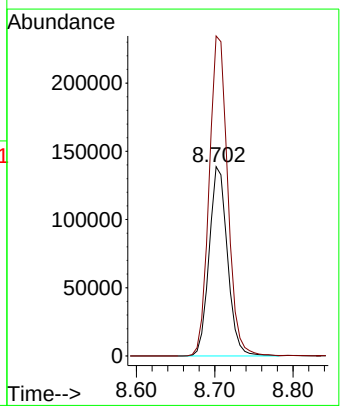
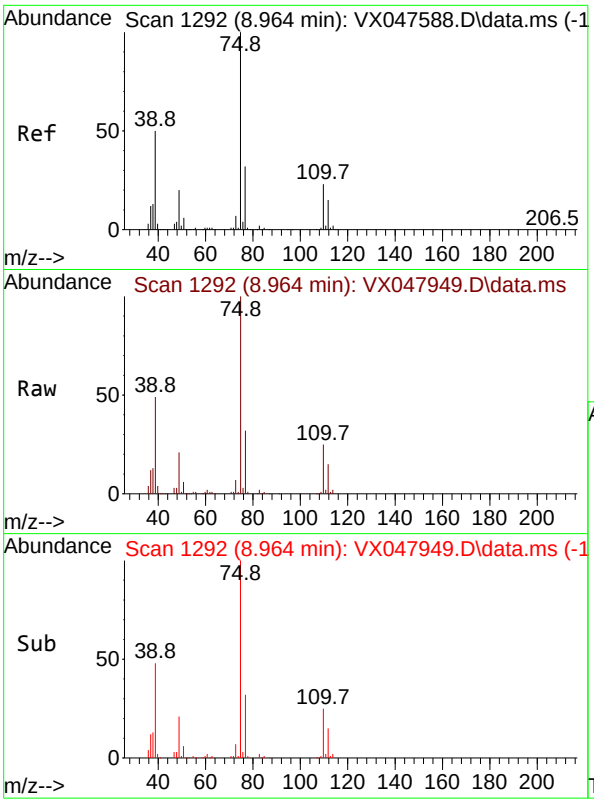


#52
Toluene
Concen: 49.254 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 92 Resp: 225040

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7

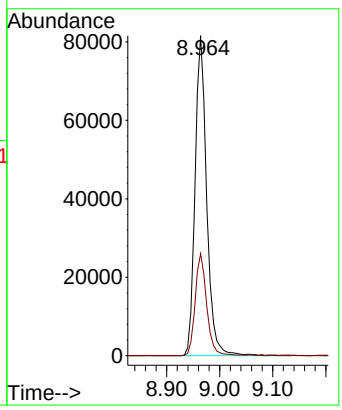




#53
t-1,3-Dichloropropene
Concen: 42.670 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 12411

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
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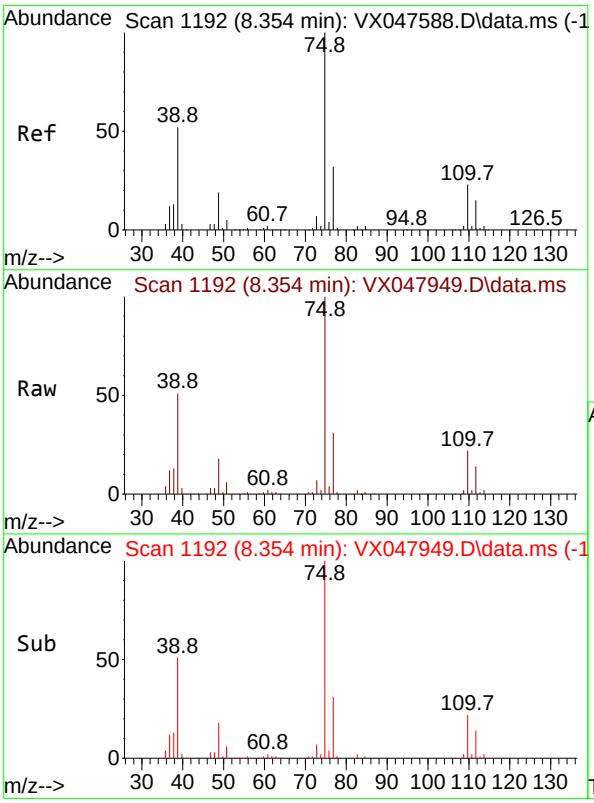
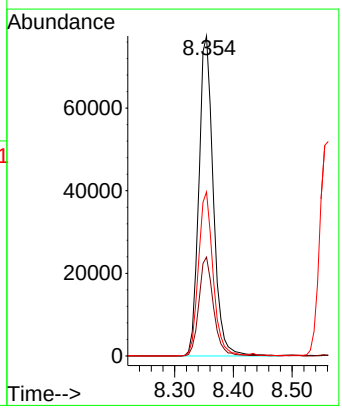
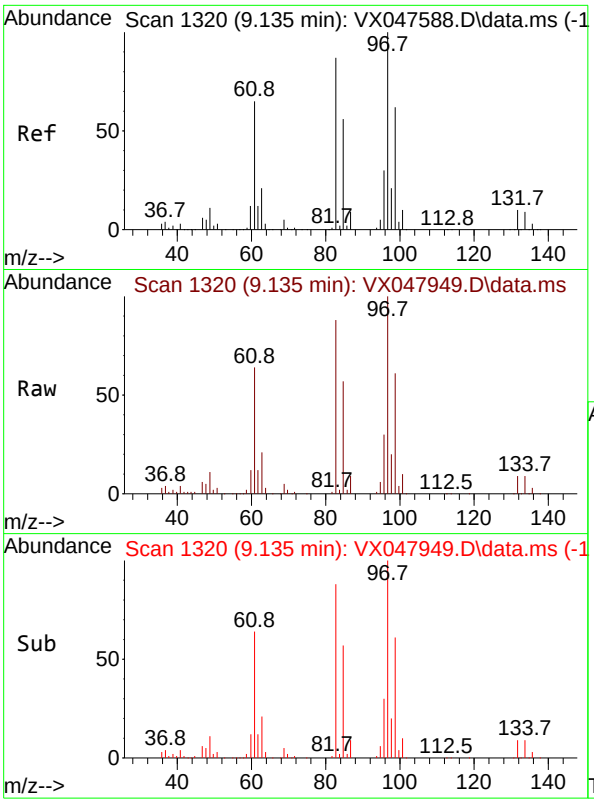


#54
cis-1,3-Dichloropropene
Concen: 42.554 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 132296

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	51.1	41.4	62.2

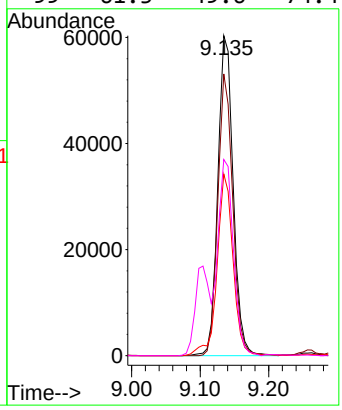




#55
1,1,2-Trichloroethane
Concen: 53.032 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 97 Resp: 9343

Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.6	104.4
85	56.7	45.0	67.6
99	61.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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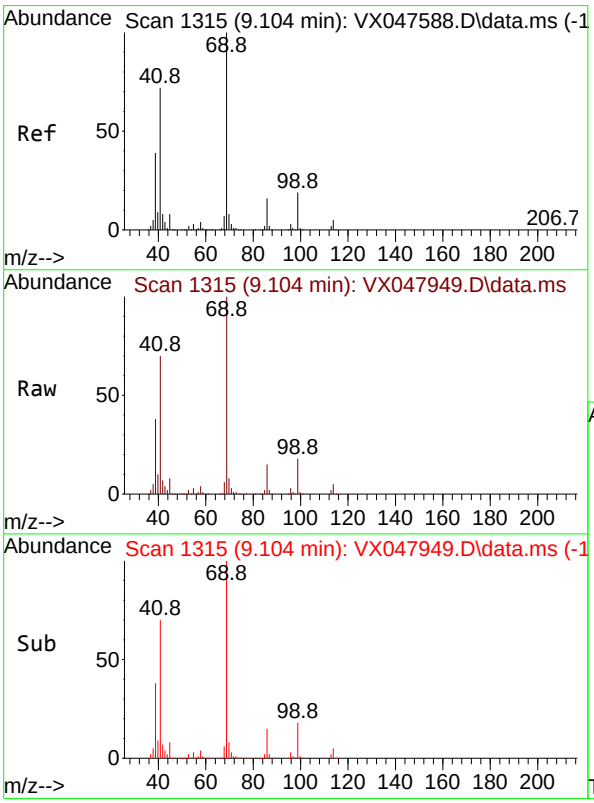
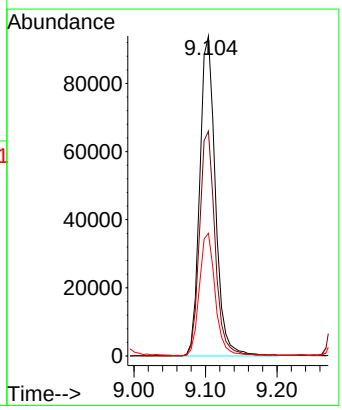
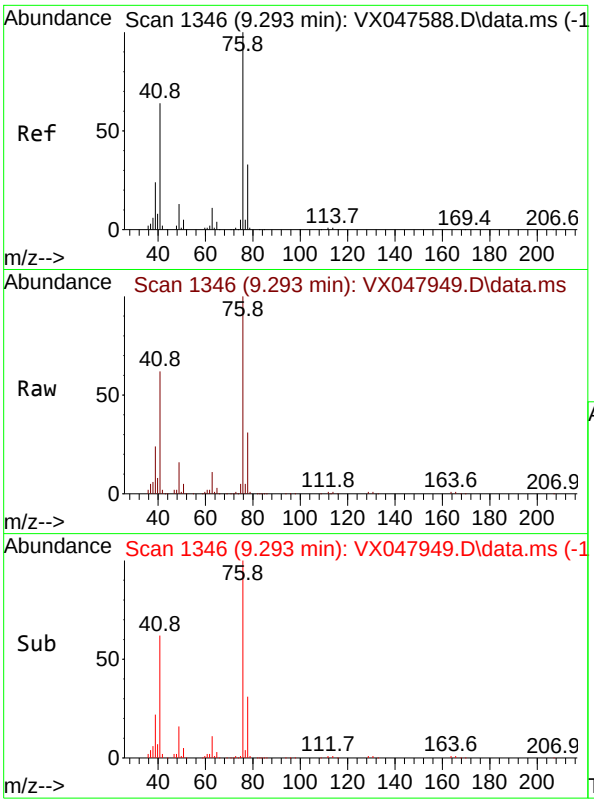


#56
Ethyl methacrylate
Concen: 51.618 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 69 Resp: 142817

Ion	Ratio	Lower	Upper
69	100		
41	70.0	58.6	87.8
39	38.8	31.5	47.3

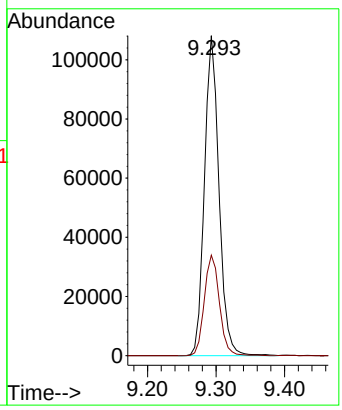




#57
1,3-Dichloropropane
Concen: 52.736 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 76 Resp: 15960

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
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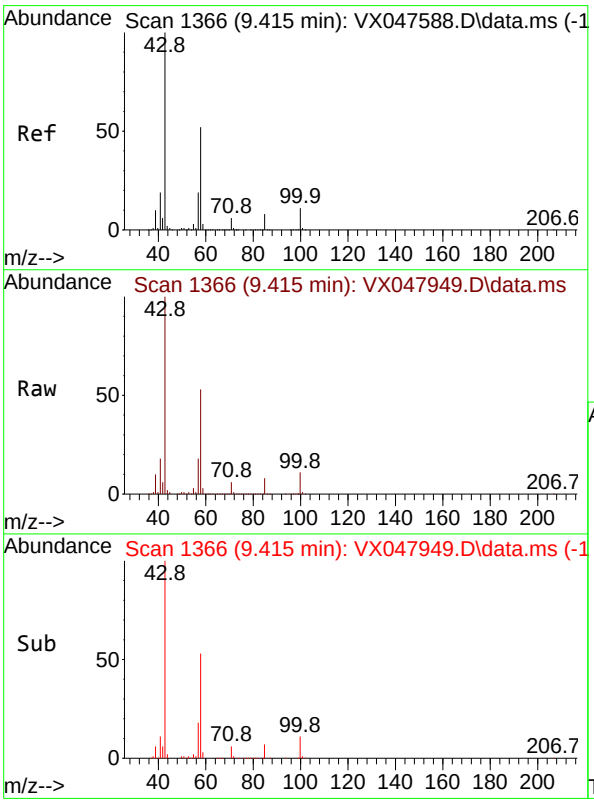
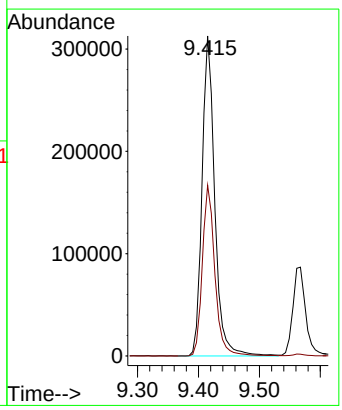
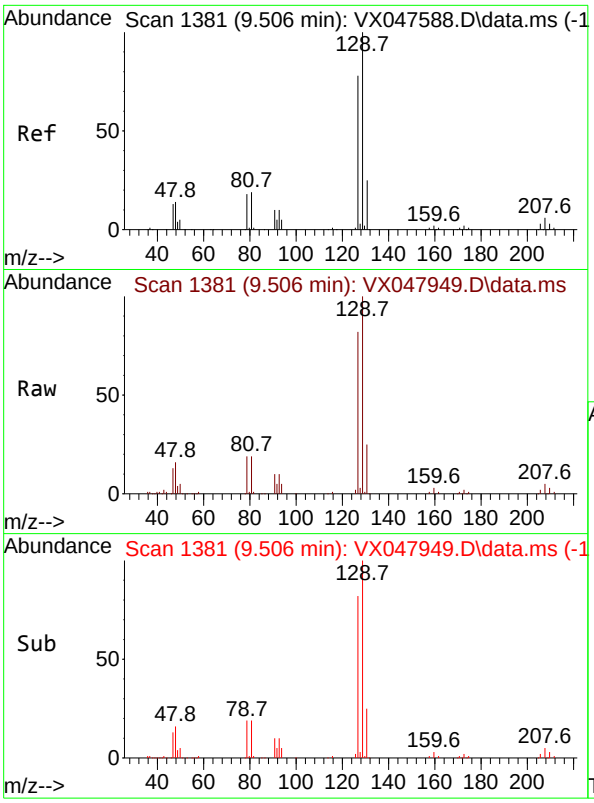


#59
2-Hexanone
Concen: 265.237 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 452858

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2





#60
Dibromochloromethane
Concen: 53.548 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:129 Resp: 10870

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

Instrument :
MSVOA_X
ClientSampleId :
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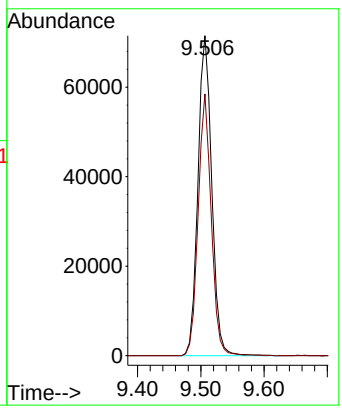
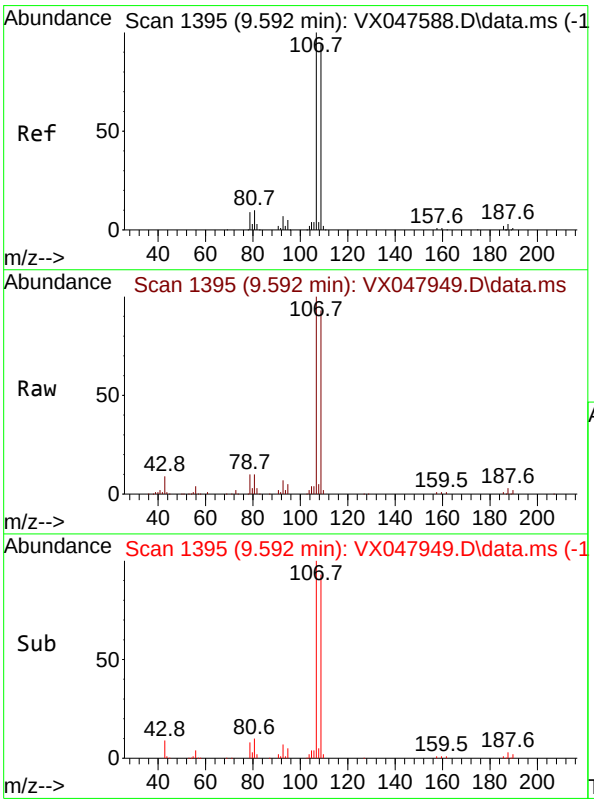
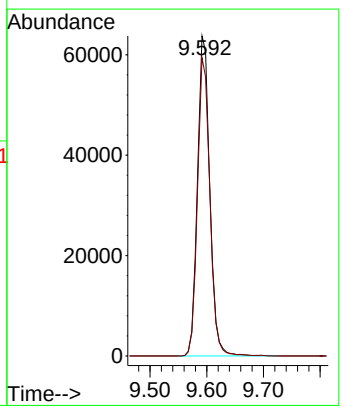


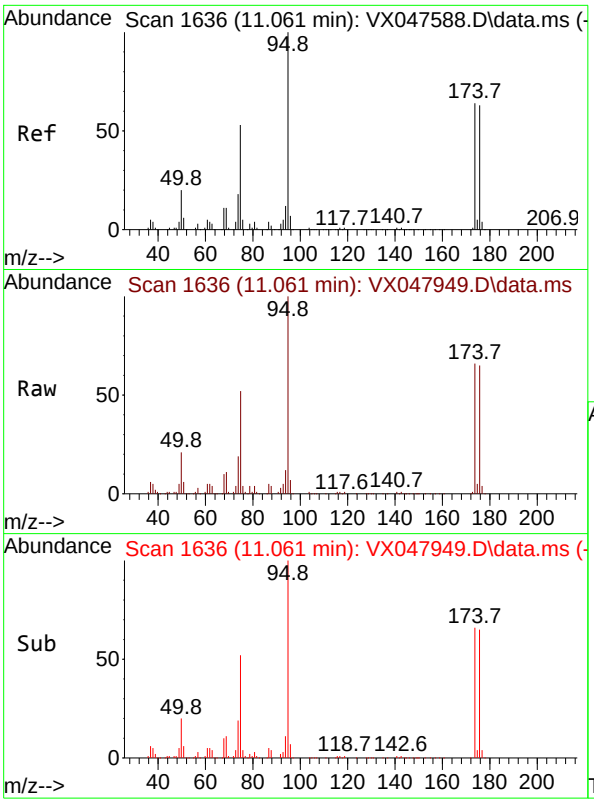


#61
1,2-Dibromoethane
Concen: 53.730 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:107 Resp: 96416

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

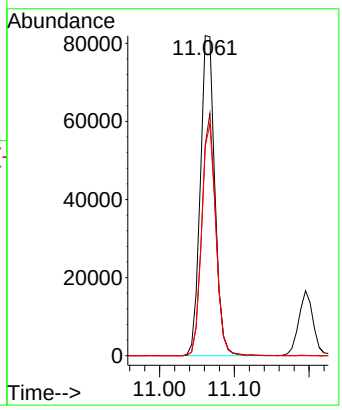




#62
4-Bromofluorobenzene
Concen: 50.316 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 95 Resp: 11040

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	70.8	0.0	138.4



Instrument :
MSVOA_X
ClientSampleId :
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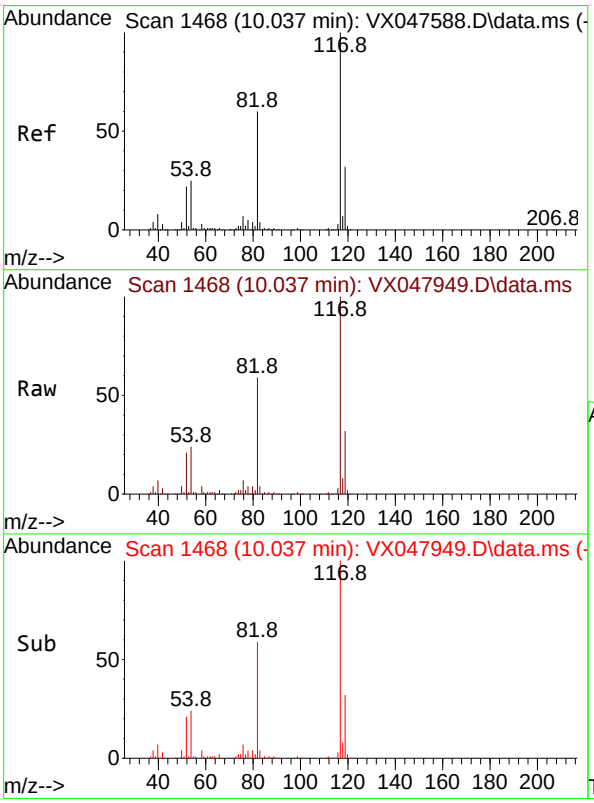
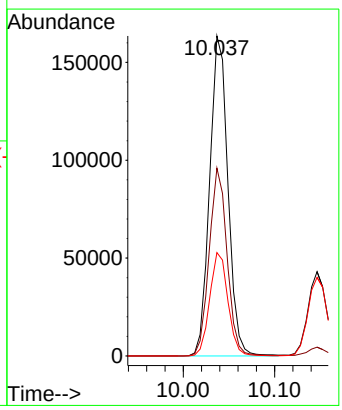
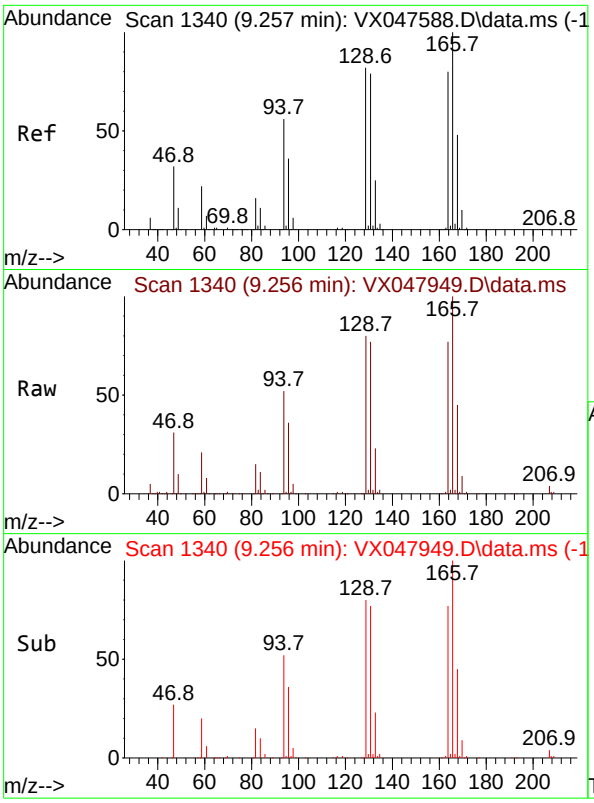


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:117 Resp: 226618

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	32.3	25.2	37.8

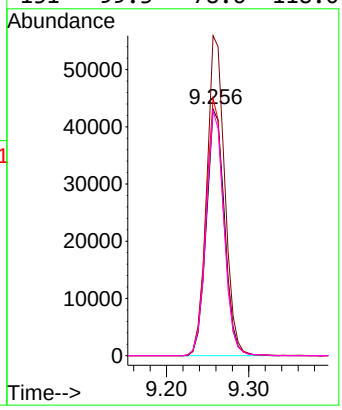




#64
Tetrachloroethene
Concen: 44.693 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:164 Resp: 6602

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	104.3	81.8	122.6
131	99.3	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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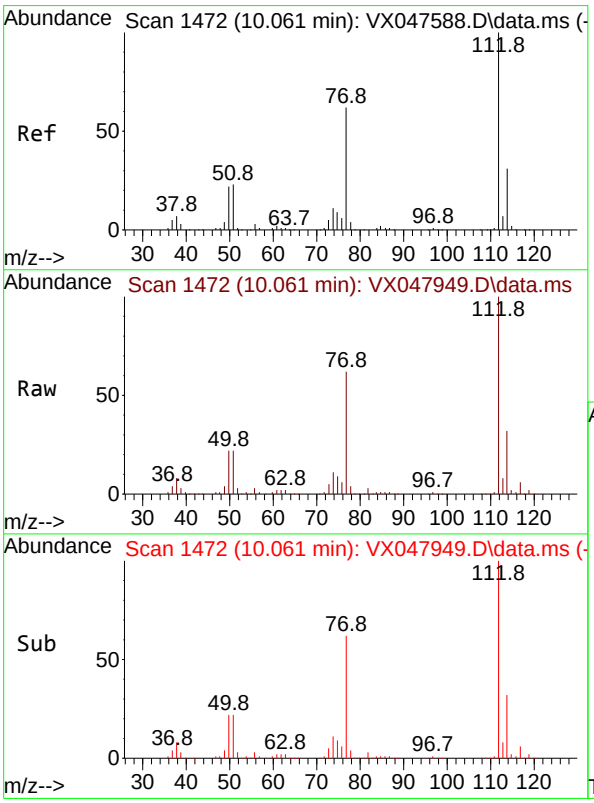
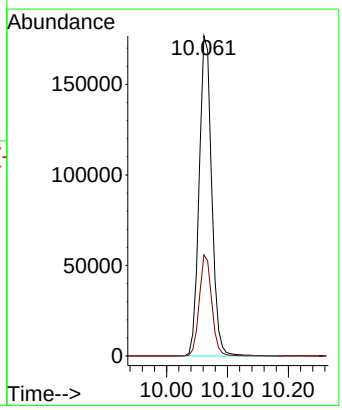
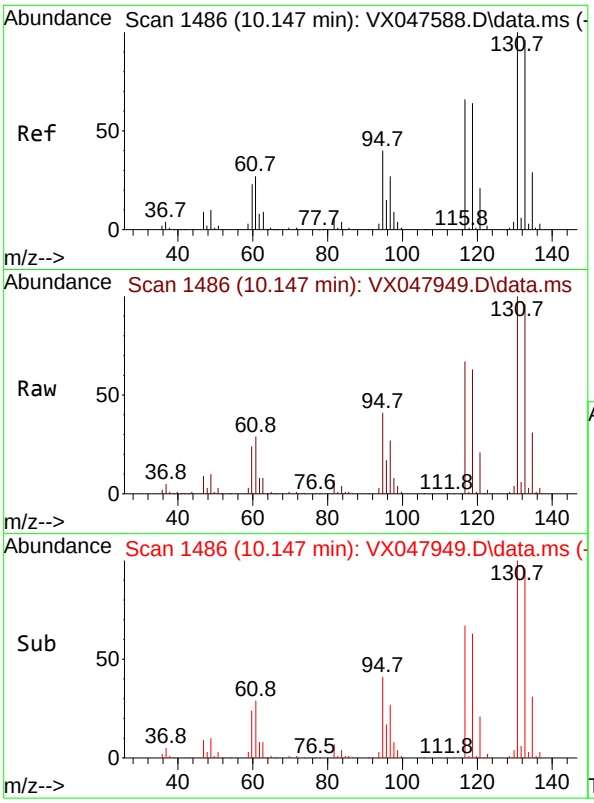


#65
Chlorobenzene
Concen: 49.011 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:112 Resp: 252327

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 50.504 ug/l
RT: 10.147 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:131 Resp: 8972

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	142.0
119	64.9	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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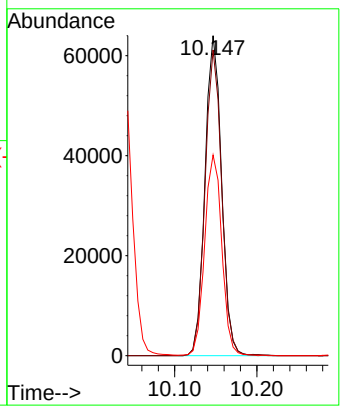
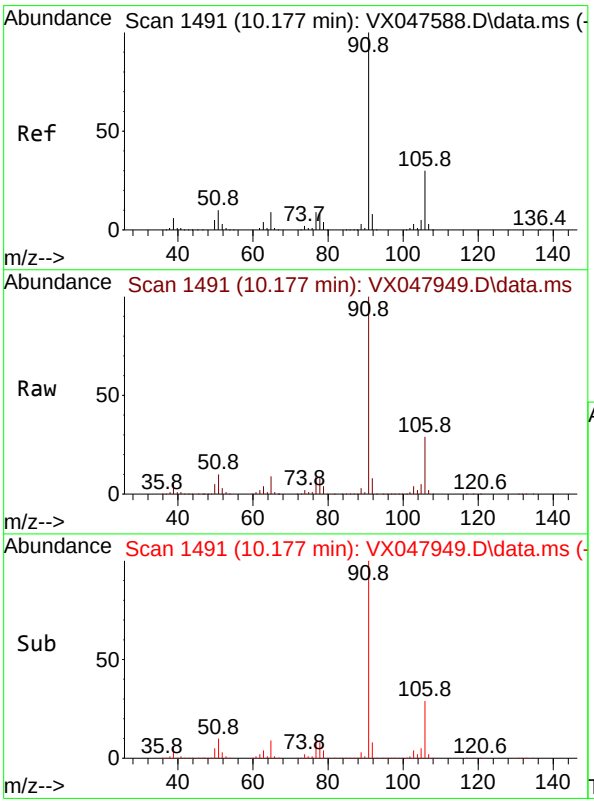
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

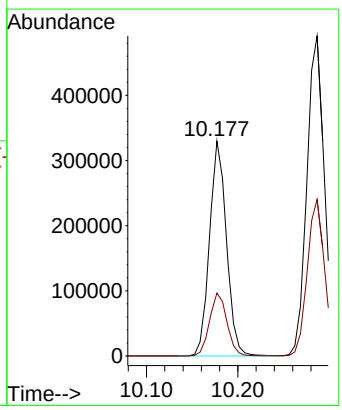


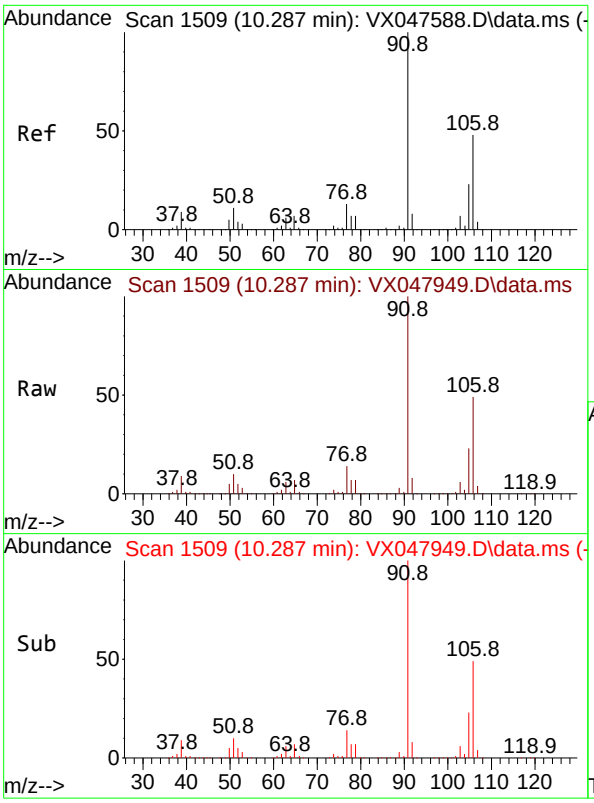


#67
Ethyl Benzene
Concen: 47.787 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 424497

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5





#68
m/p-Xylenes
Concen: 97.233 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:106 Resp: 32148

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.8	251.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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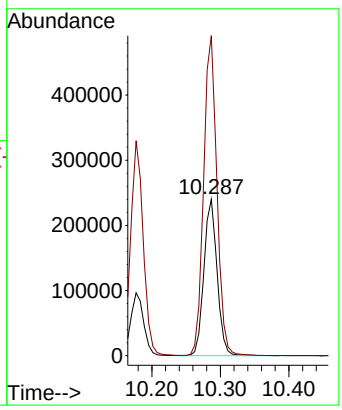
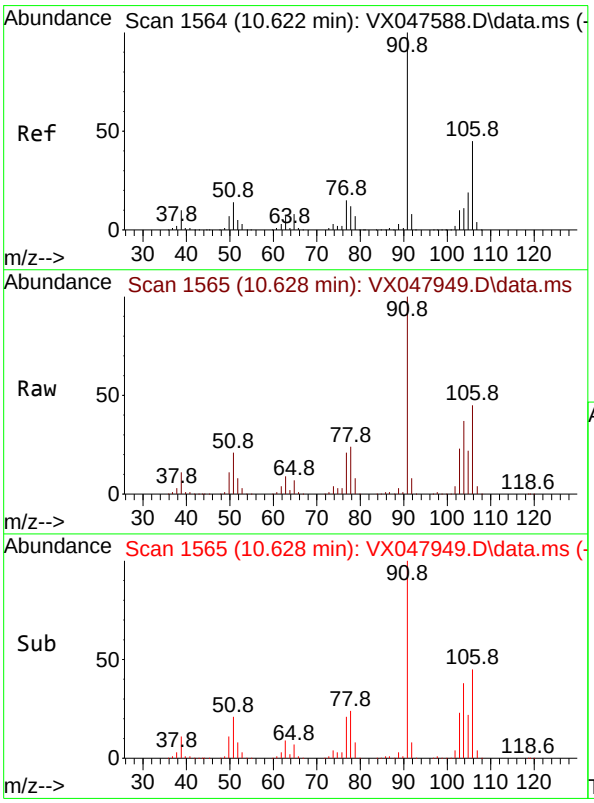
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

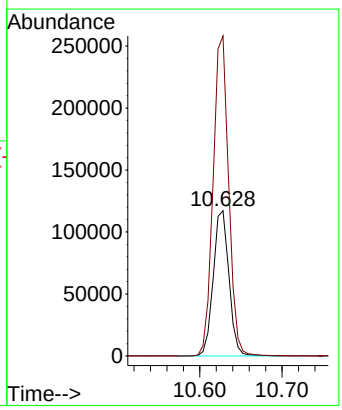


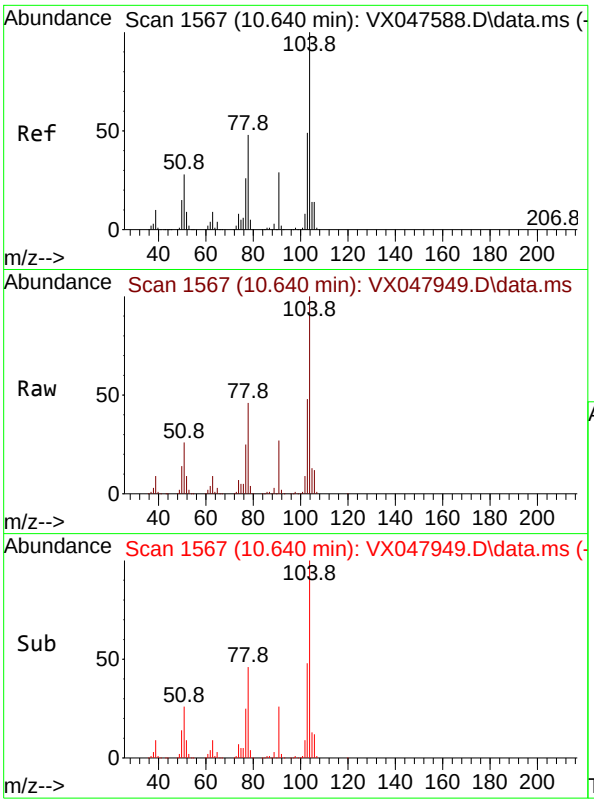


#69
o-Xylene
Concen: 48.642 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:106 Resp: 155556

Ion	Ratio	Lower	Upper
106	100		
91	218.7	111.1	333.4





#70
Styrene
Concen: 49.124 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:104 Resp: 27526

Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.1	64.7
103	54.0	43.1	64.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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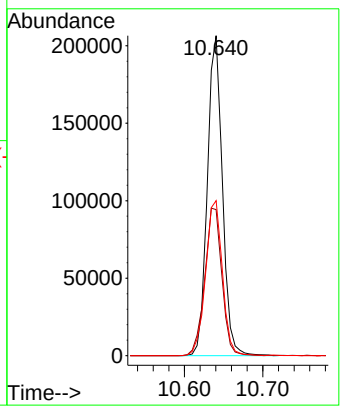
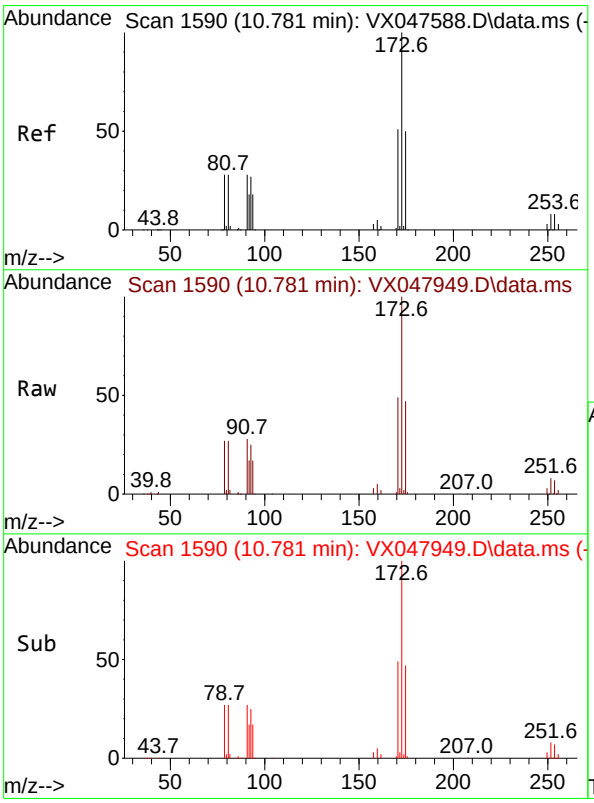
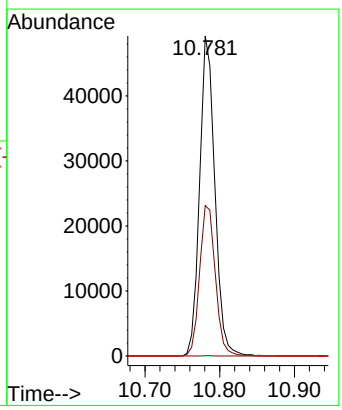


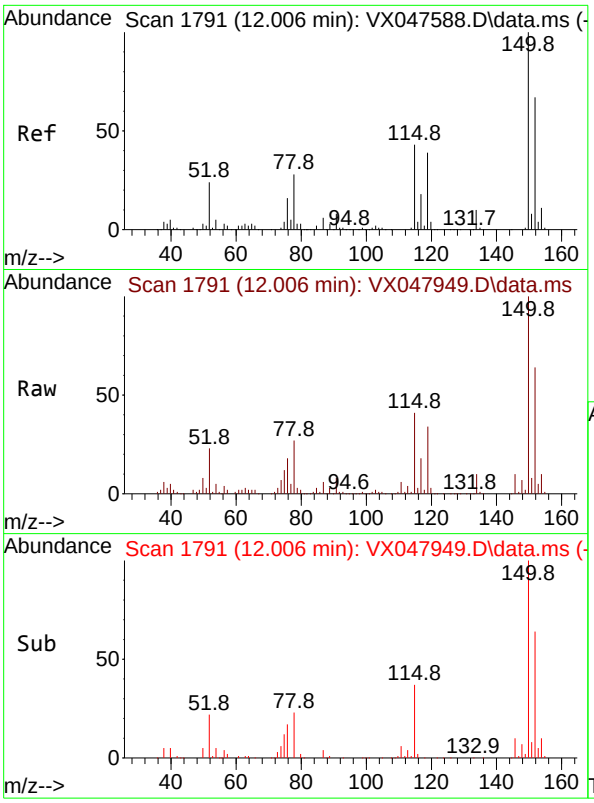


#71
Bromoform
Concen: 52.409 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:173 Resp: 69522

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.6
254	0.1	0.1	0.1#

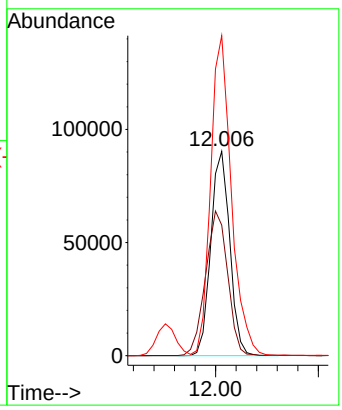




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:152 Resp: 11532

Ion	Ratio	Lower	Upper
152	100		
115	82.9	44.9	134.5
150	171.5	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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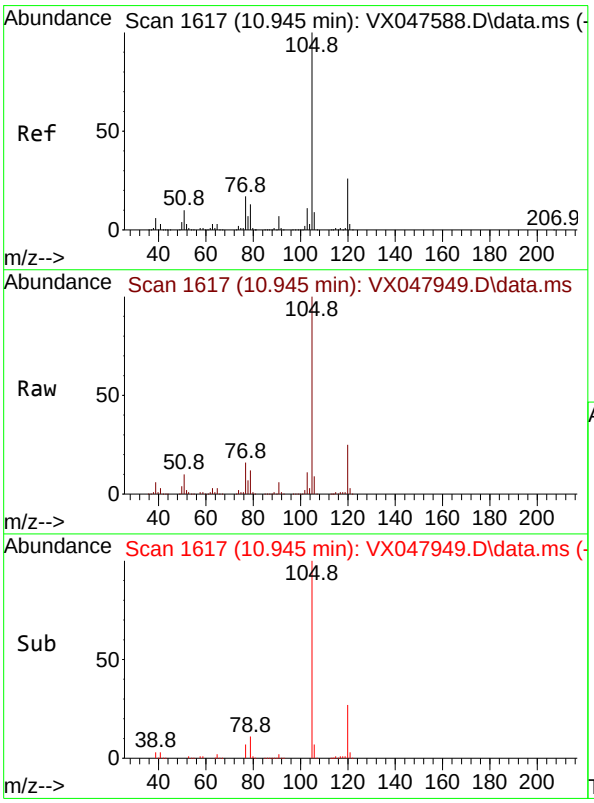
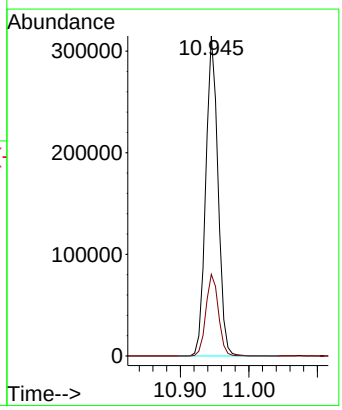
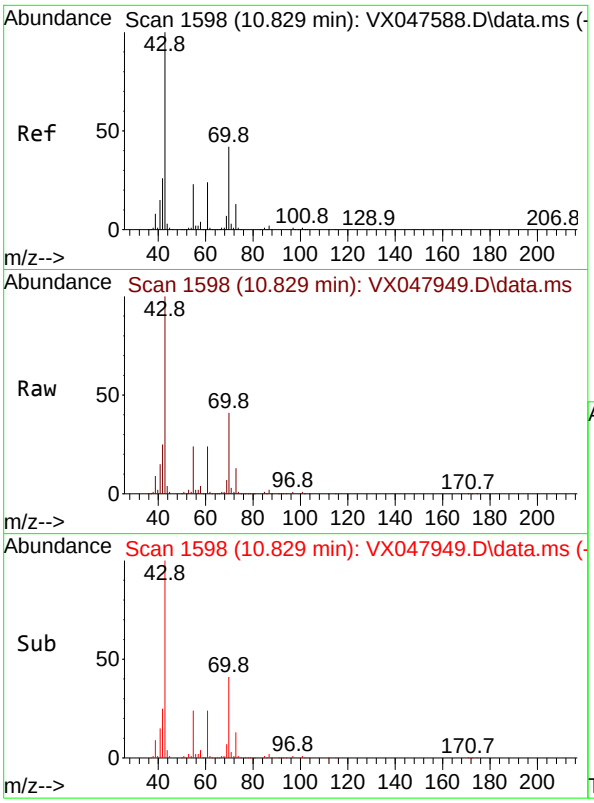


#73
Isopropylbenzene
Concen: 44.613 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:105 Resp: 391154

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

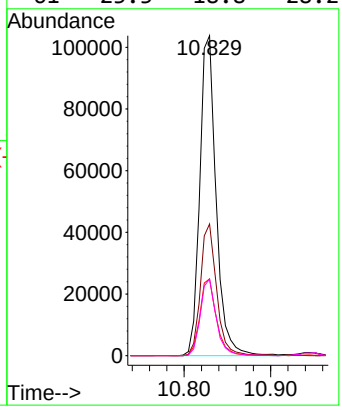




#74
N-amyl acetate
Concen: 34.016 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 13600

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.0	48.0
55	24.5	18.9	28.3
61	23.3	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

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Reviewed By :John Carlone 10/03/2025
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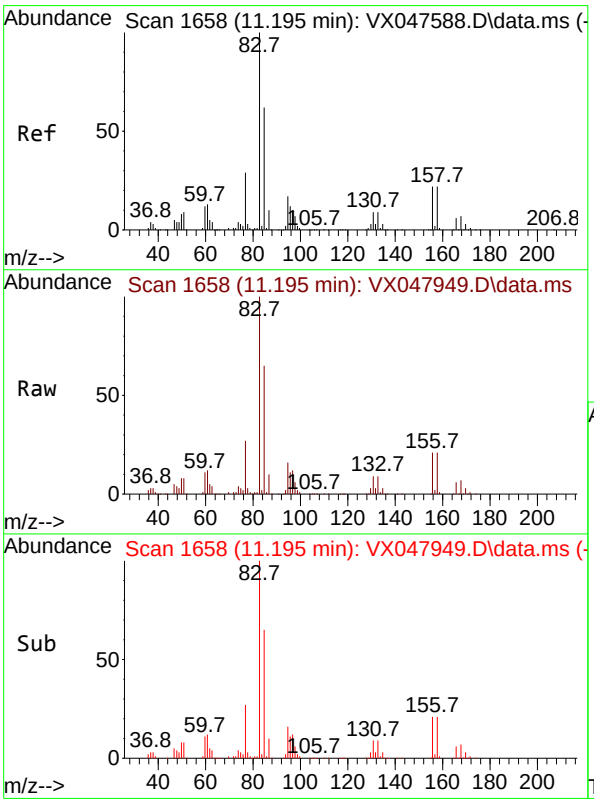
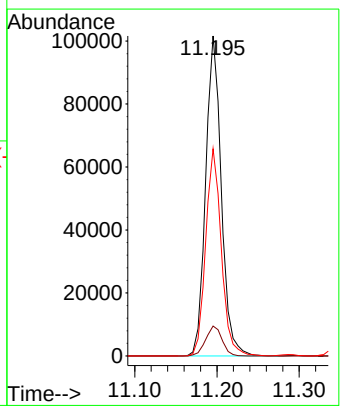
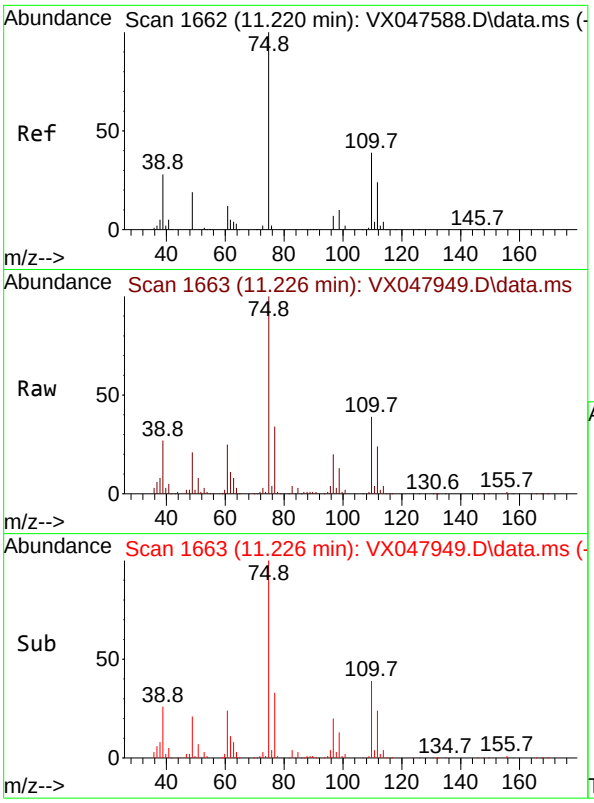


#75
1,1,2,2-Tetrachloroethane
Concen: 50.588 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 83 Resp: 134192

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.8	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 49.047 ug/l m
RT: 11.226 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 11452

Ion	Ratio	Lower	Upper
75	100		
77	36.6	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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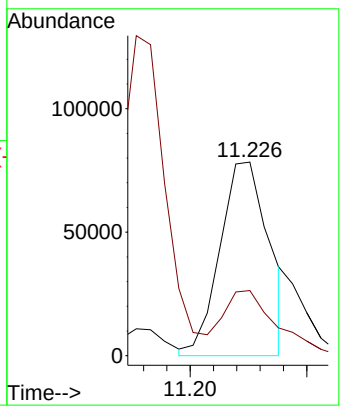
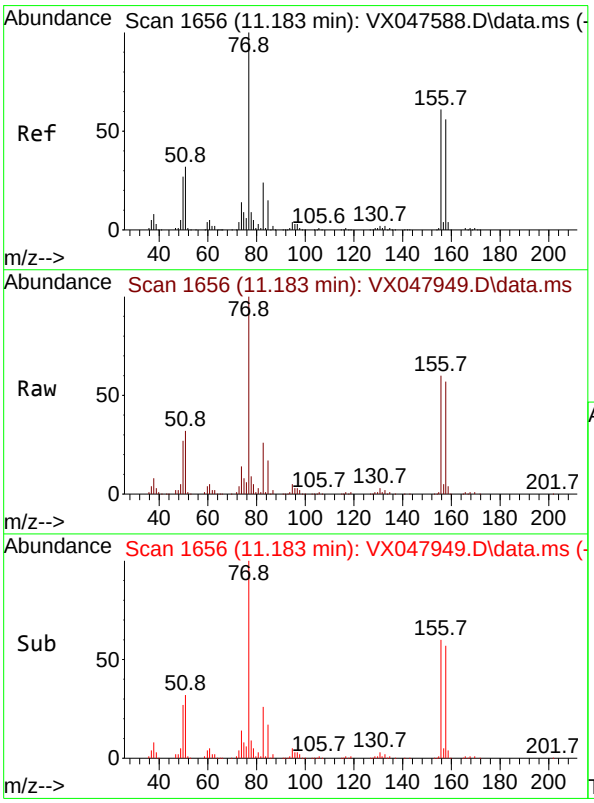
Supervised By :Mahesh Dadoda 10/03/2025

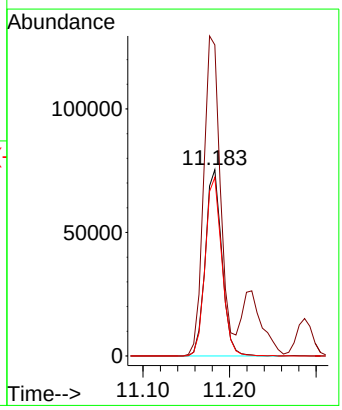


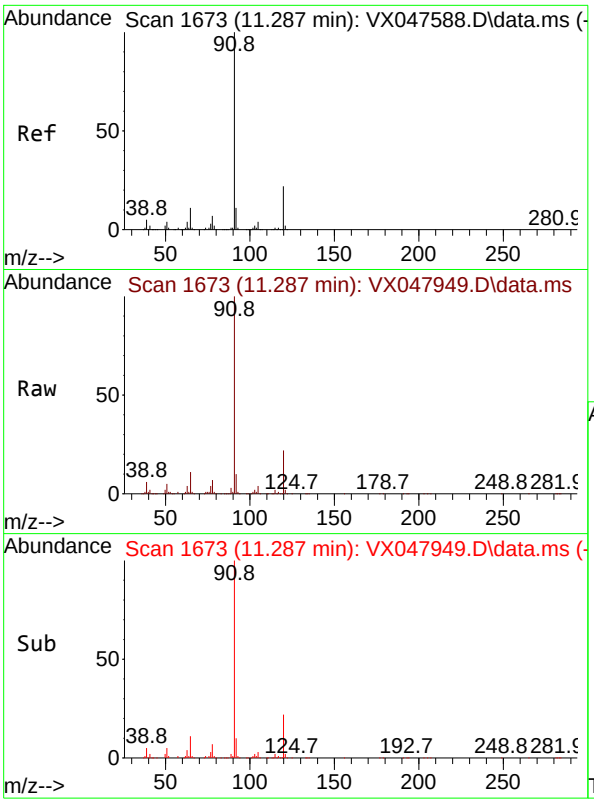


#77
Bromobenzene
Concen: 46.187 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:156 Resp: 99736

Ion	Ratio	Lower	Upper
156	100		
77	175.7	89.7	269.1
158	96.6	47.9	143.6





#78
n-propylbenzene
Concen: 44.572 ug/l
RT: 11.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 46196

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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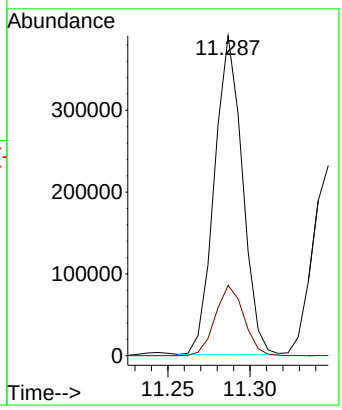
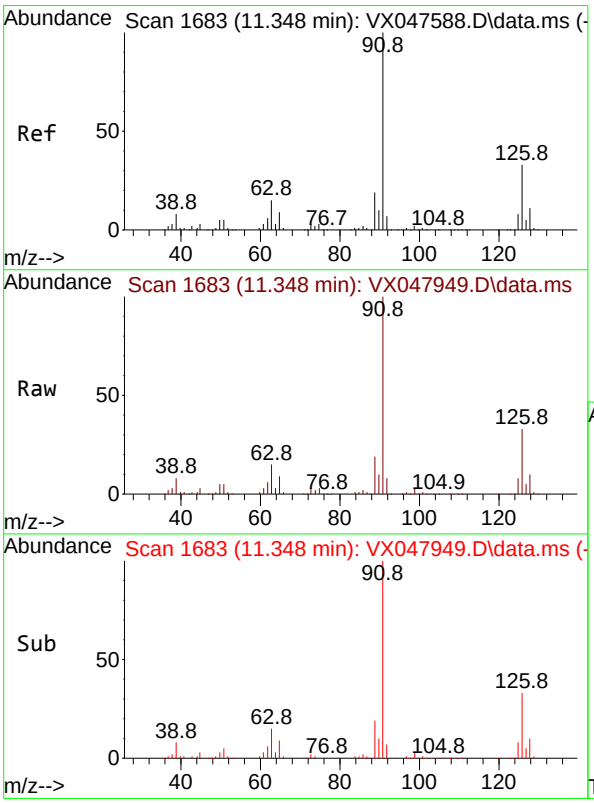
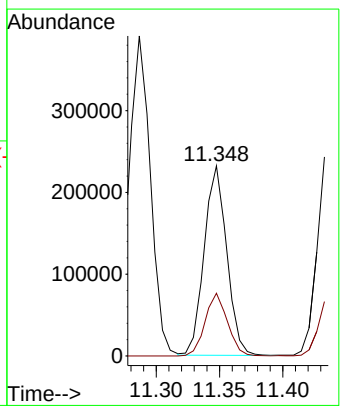


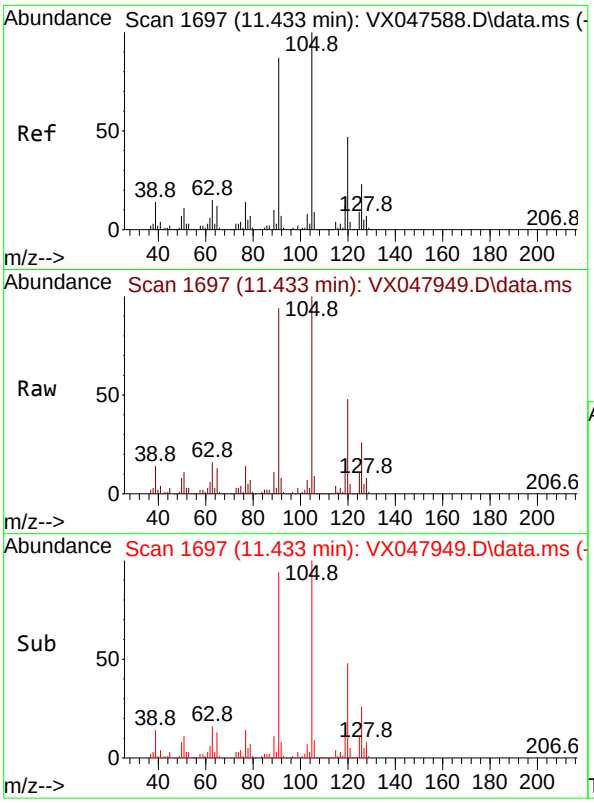


#79
2-Chlorotoluene
Concen: 45.348 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 287872

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3





#80
1,3,5-Trimethylbenzene
Concen: 44.942 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:105 Resp: 32373

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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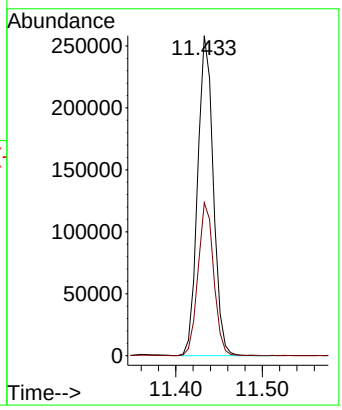
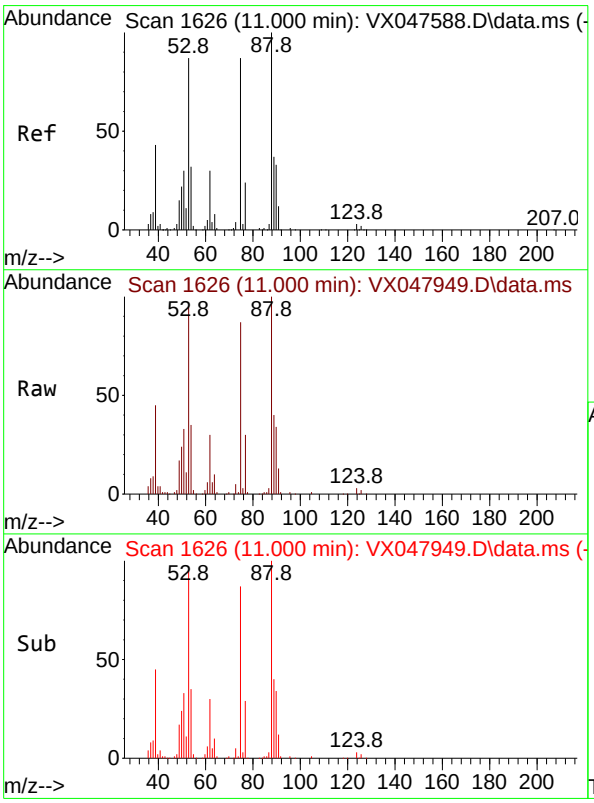
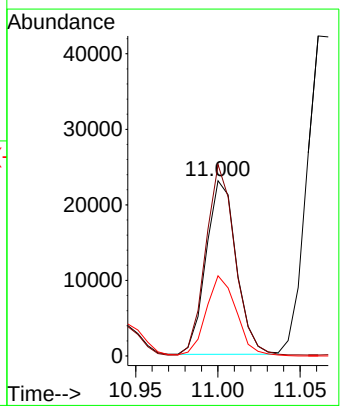


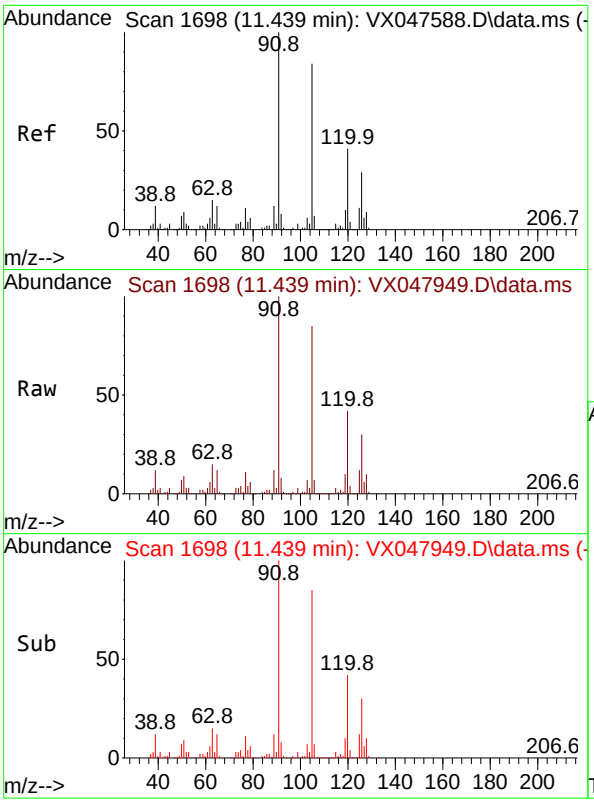


#81
trans-1,4-Dichloro-2-butene
Concen: 32.221 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 29502

Ion	Ratio	Lower	Upper
75	100		
53	108.5	83.4	125.2
89	46.2	36.3	54.5





#82
4-Chlorotoluene
Concen: 45.122 ug/l
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 33829

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
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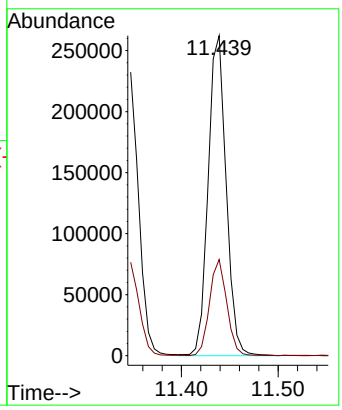
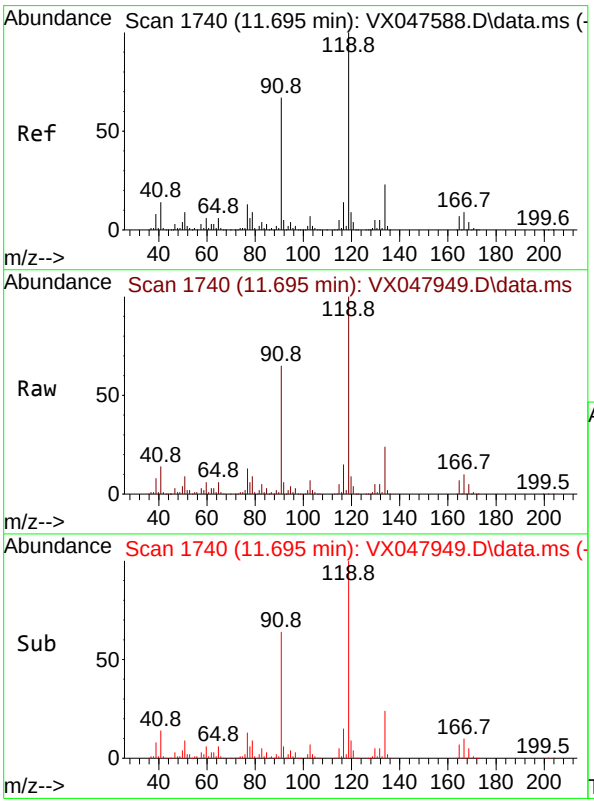
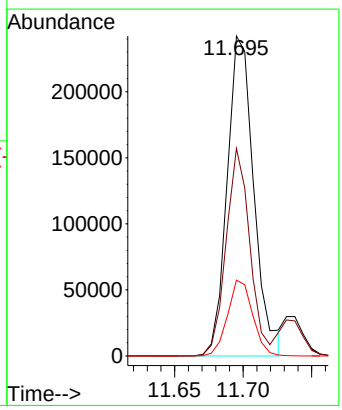


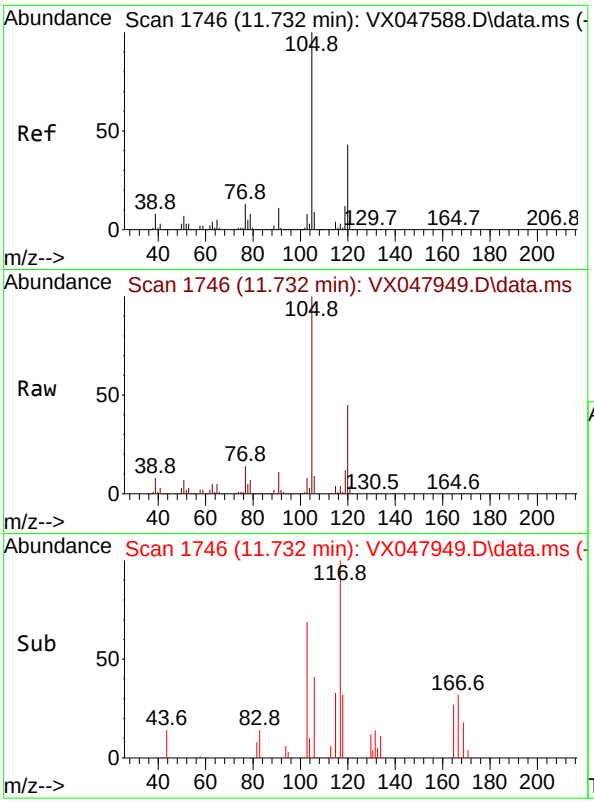


#83
tert-Butylbenzene
Concen: 44.573 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:119 Resp: 328678

Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.6	88.8
134	22.3	11.0	33.0





#84
1,2,4-Trimethylbenzene
Concen: 44.909 ug/l
RT: 11.732 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

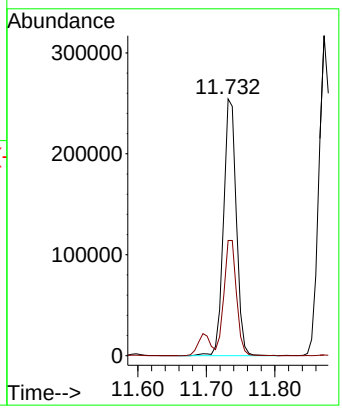
Tgt Ion:105 Resp: 32797

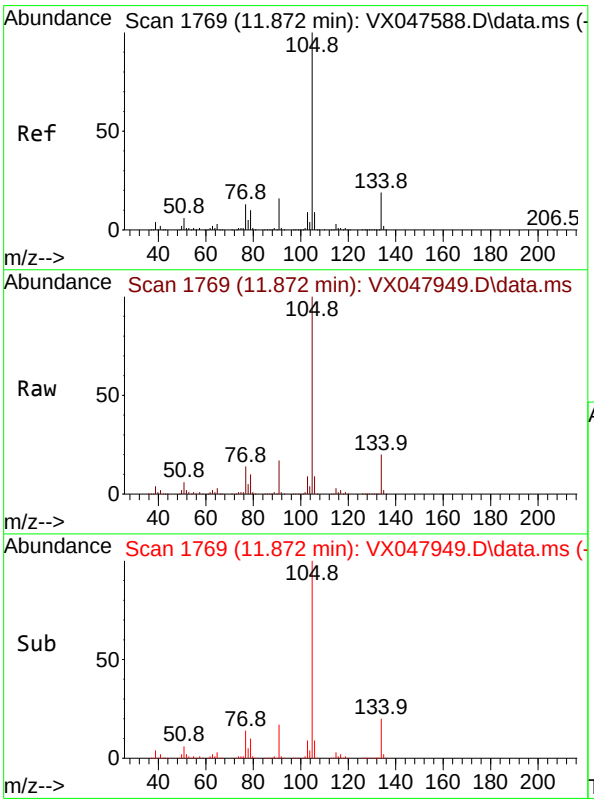
Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

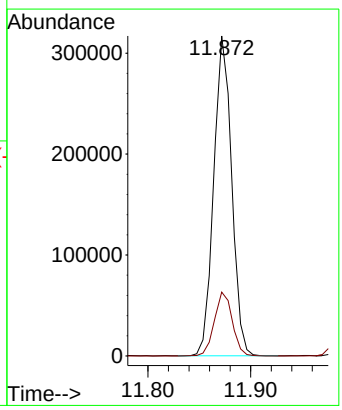


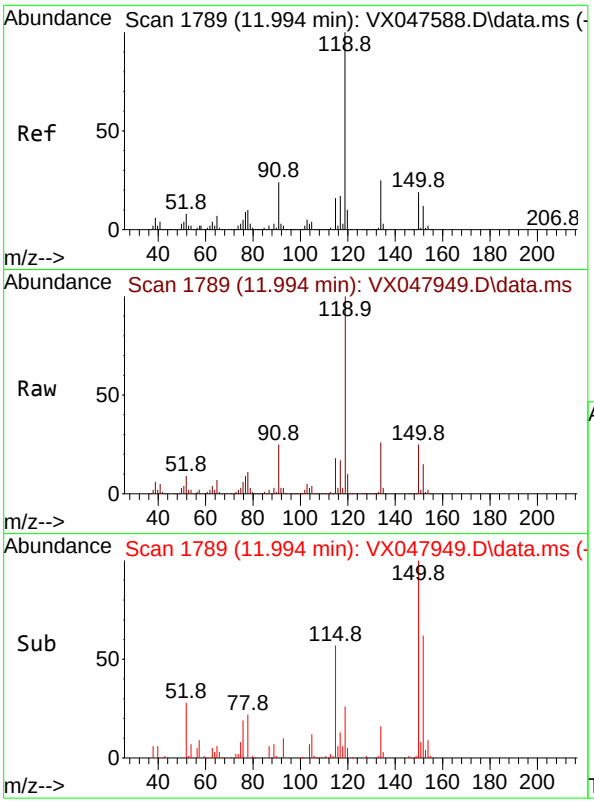


#85
sec-Butylbenzene
Concen: 43.689 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:105 Resp: 382662

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

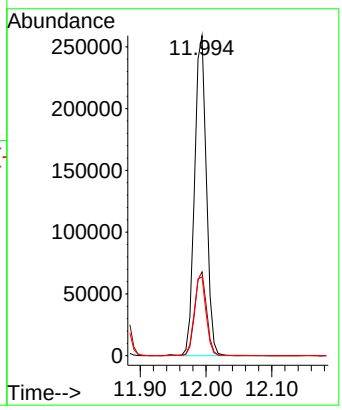




#86
p-Isopropyltoluene
Concen: 43.174 ug/l
RT: 11.994 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:119 Resp: 32014

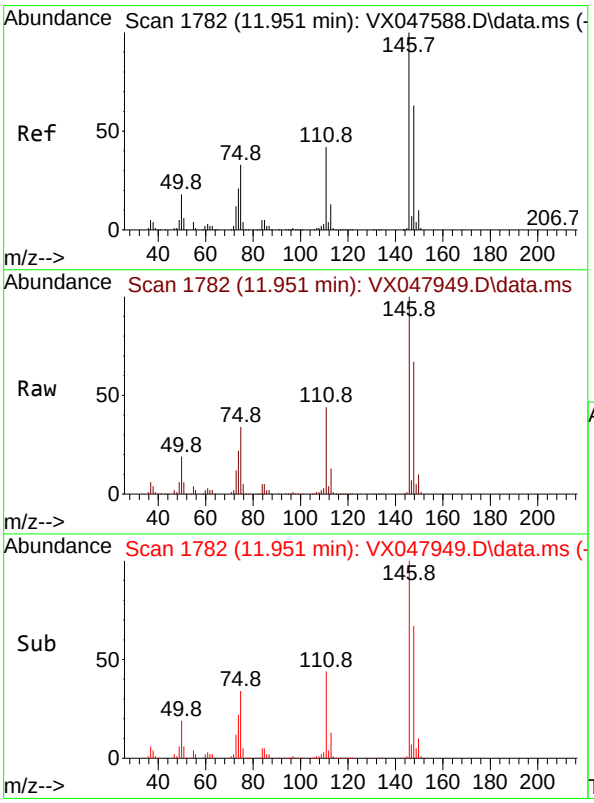
Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.1	12.6	37.6



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

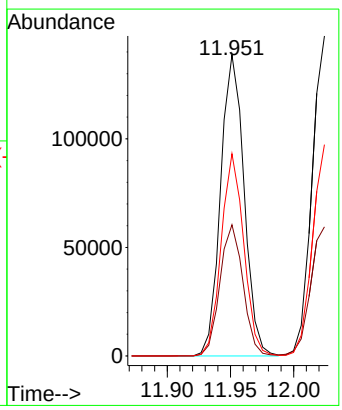
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

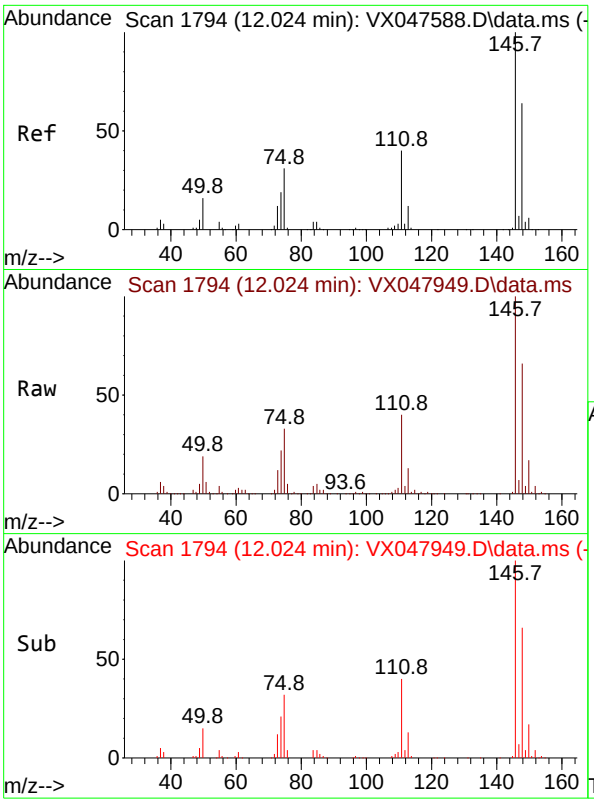


#87
1,3-Dichlorobenzene
Concen: 44.550 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:146 Resp: 178688

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.7	32.0	96.0

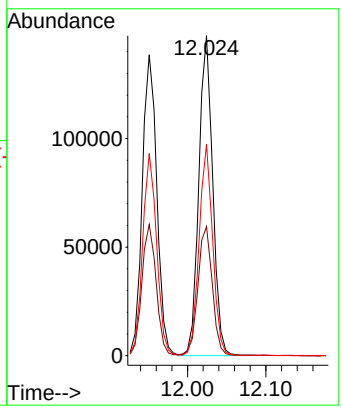




#88
1,4-Dichlorobenzene
Concen: 44.044 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:146 Resp: 18131

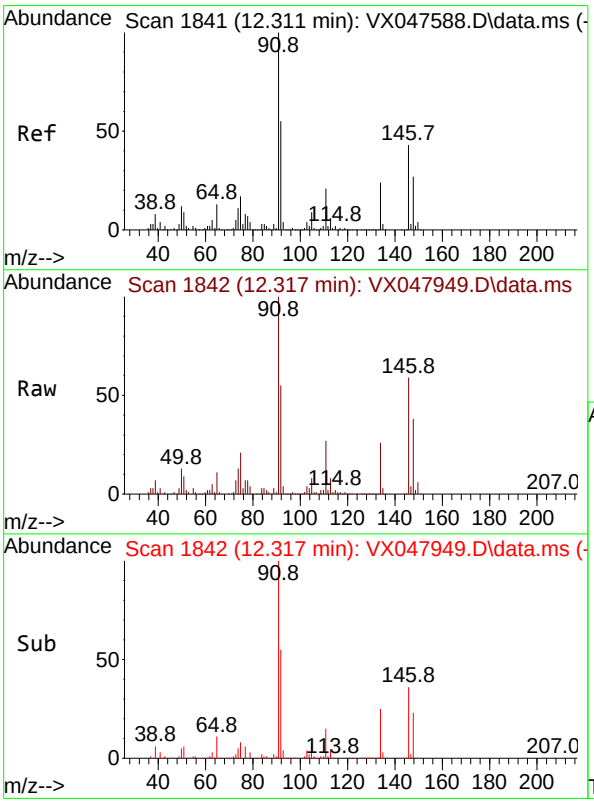
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.5	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

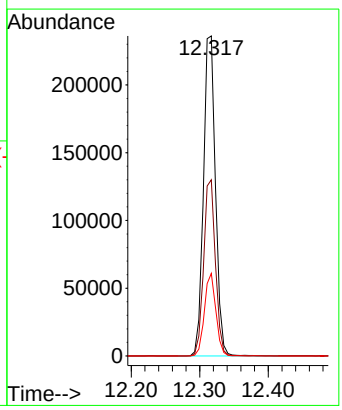
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

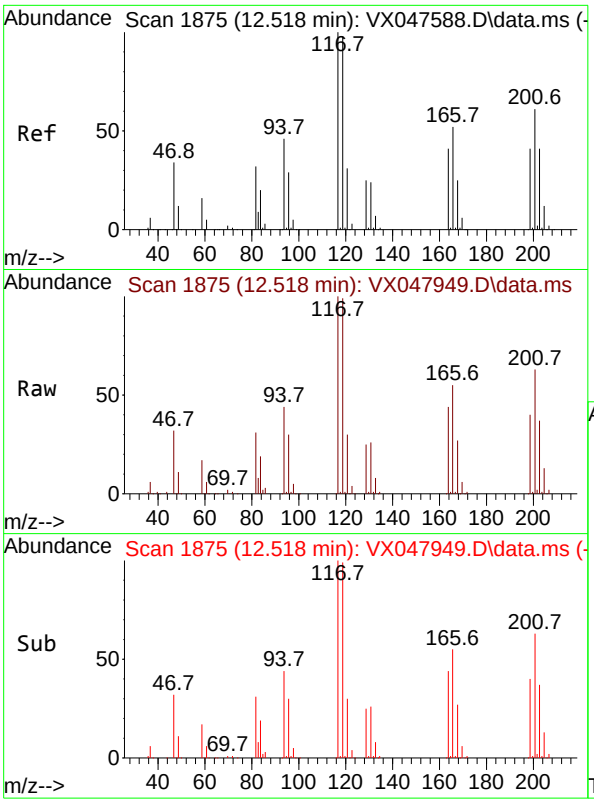


#89
n-Butylbenzene
Concen: 42.042 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 288466

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

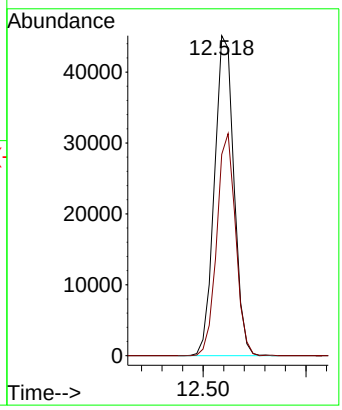




#90
Hexachloroethane
Concen: 45.554 ug/l
RT: 12.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:117 Resp: 5930

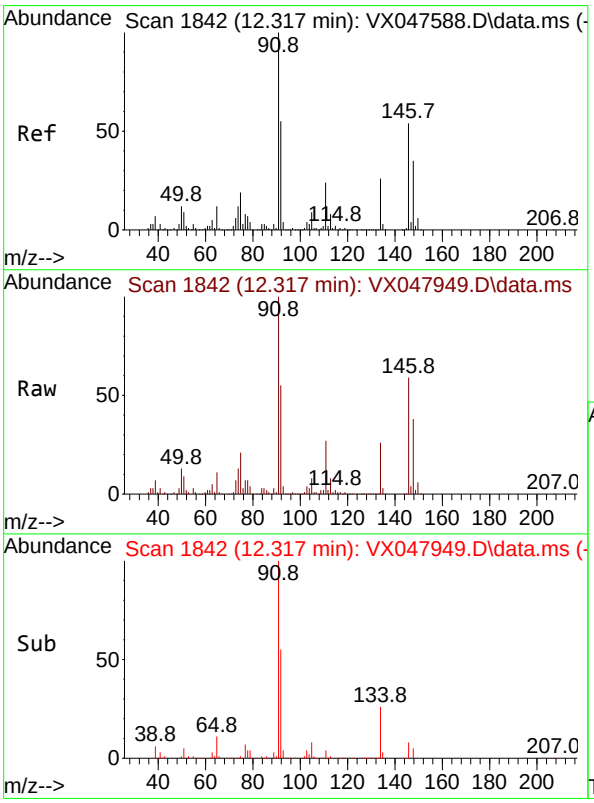
Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.2	102.5



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

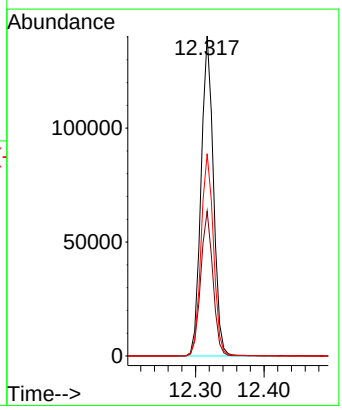
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

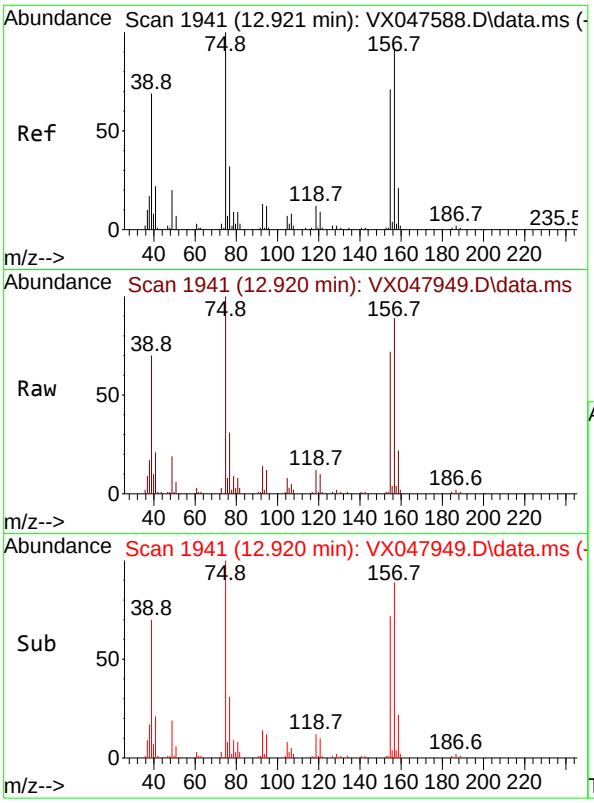


#91
1,2-Dichlorobenzene
Concen: 46.032 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:146 Resp: 175899

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.2	66.6
148	63.9	31.8	95.4





#92
1,2-Dibromo-3-Chloropropane
Concen: 47.069 ug/l
RT: 12.920 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

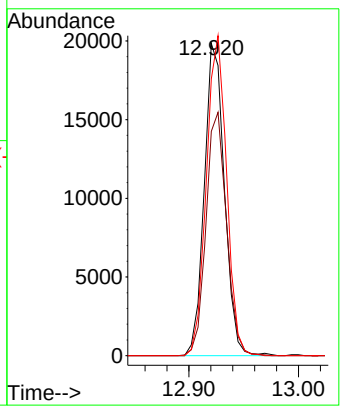
Tgt Ion: 75 Resp: 2527

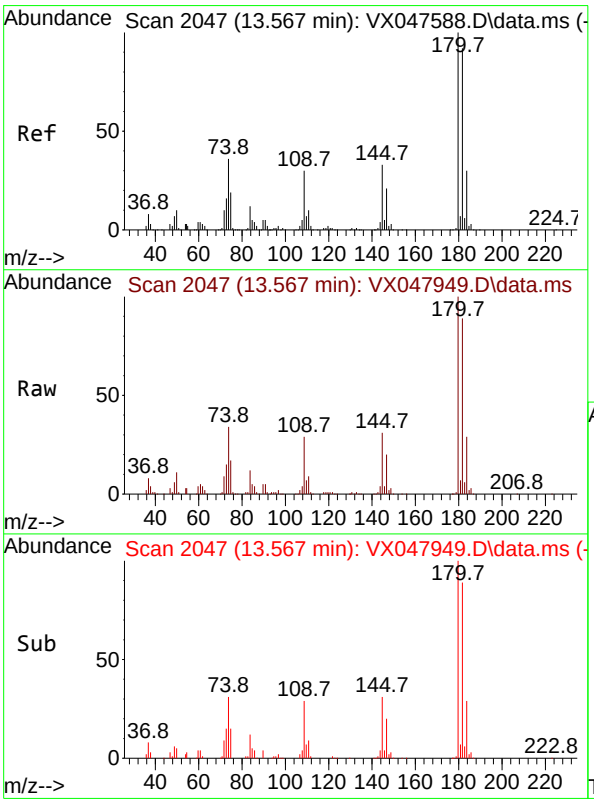
Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.7	113.1
157	103.1	49.8	149.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

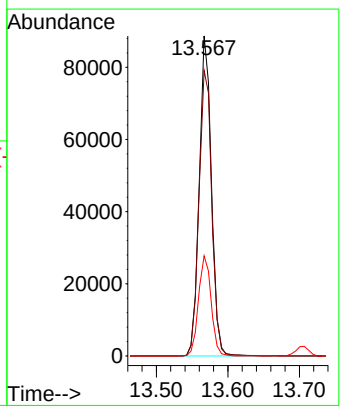


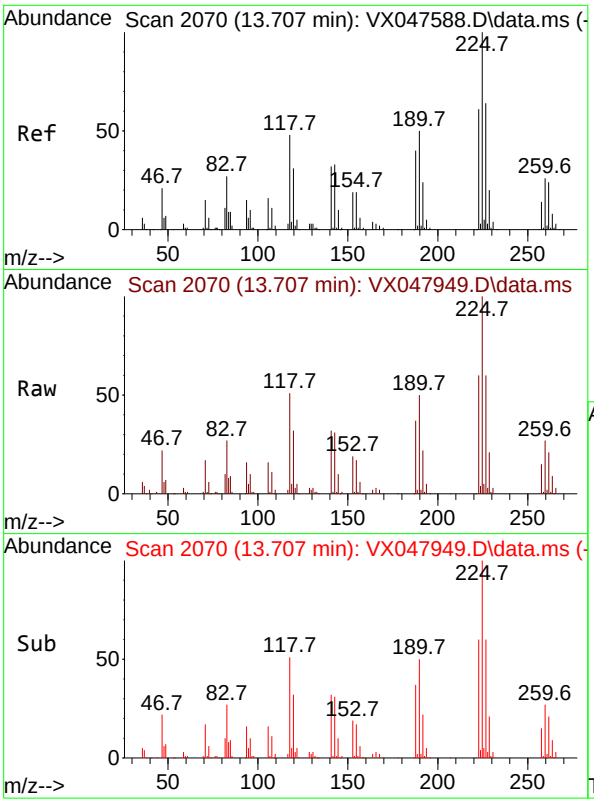


#93
1,2,4-Trichlorobenzene
Concen: 42.218 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:180 Resp: 104847

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.6	139.8
145	32.4	16.4	49.1

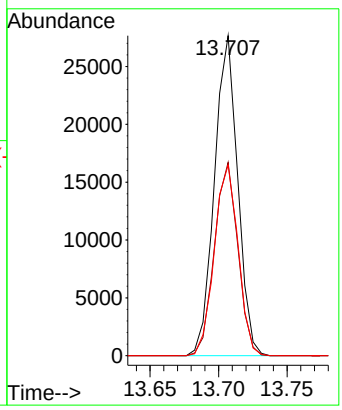




#94
Hexachlorobutadiene
Concen: 38.660 ug/l
RT: 13.707 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:225 Resp: 3261

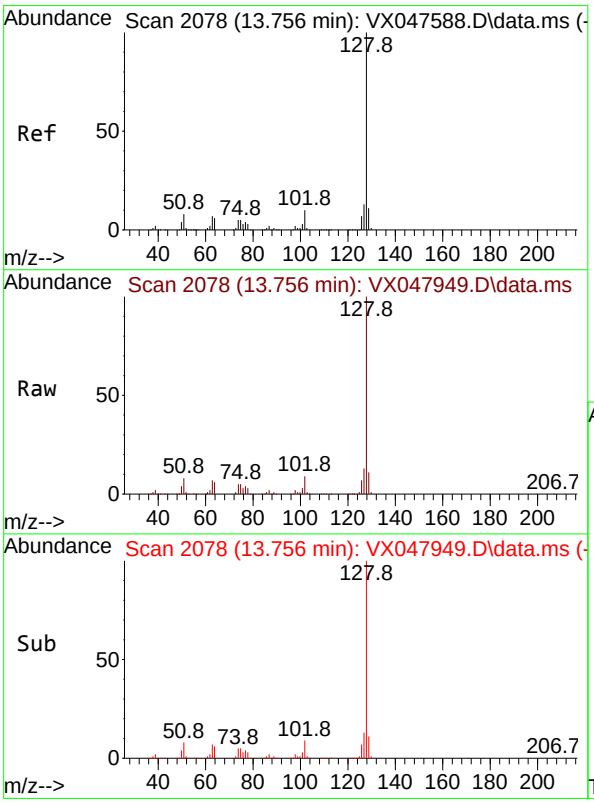
Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.7	95.1
227	60.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

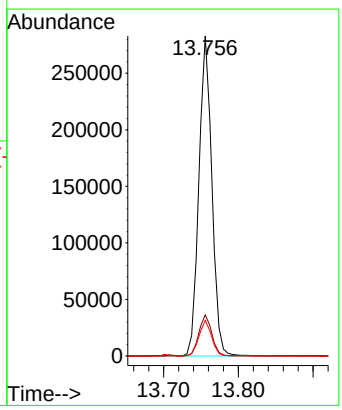
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

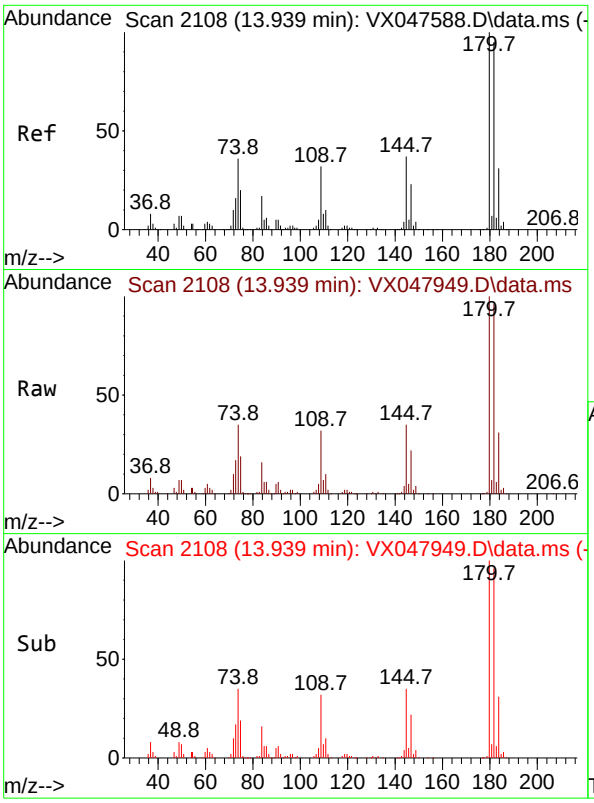


#95
Naphthalene
Concen: 45.060 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:128 Resp: 340760

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

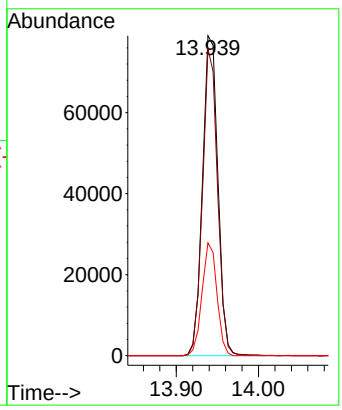




#96
1,2,3-Trichlorobenzene
Concen: 44.571 ug/l
RT: 13.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:180 Resp: 10296

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.8
145	34.1	17.9	53.7



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Raw Data: **VX047950.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MSD	SDG No.:	Q3193
Lab Sample ID:	Q3193-03MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047950.D	1	10/01/25 18:38	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	46.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	48.7		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	48.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	47.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	48.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	210		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	44.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	42.3		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	48.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	48.6		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	50.5		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	44.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	260		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	49.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	51.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	51.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	42.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	48.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	270		0.68	2.50	5.00	ug/L
108-88-3	Toluene	49.2		0.14	0.50	1.00	ug/L

Raw Data: **VX047950.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MSD	SDG No.:	Q3193
Lab Sample ID:	Q3193-03MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047950.D	1	10/01/25 18:38	VX100125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	53.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	52.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.1		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	44.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	48.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	47.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	95.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	47.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	48.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	52.3		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	45.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	46.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	48.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.7		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	45.8		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	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	238000	6.751				
3114-55-4	Chlorobenzene-d5	219000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	109000	12.006				

Raw Data: **VX047950.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	09/23/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	09/24/25
Client Sample ID:	RW10-MW01D-20250923MSD	SDG No.:	Q3193
Lab Sample ID:	Q3193-03MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047950.D	1	10/01/25 18:38	VX100125

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

Sample Results: **VX047950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	130403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	238258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109304	52.659	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.320%			
35) Dibromofluoromethane	5.373	113	84783	53.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.120%			
50) Toluene-d8	8.635	98	290229	52.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.980%			
62) 4-Bromofluorobenzene	11.061	95	110376	52.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	66166	48.999	ug/l	94
3) Chloromethane	1.301	50	82422	46.442	ug/l	99
4) Vinyl Chloride	1.380	62	84533	48.659	ug/l	98
5) Bromomethane	1.612	94	53212	48.304	ug/l	97
6) Chloroethane	1.691	64	55625	47.906	ug/l	99
7) Trichlorofluoromethane	1.898	101	126197	48.923	ug/l	99
8) Diethyl Ether	2.136	74	53194	50.412	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	72752	48.235	ug/l	98
10) Methyl Iodide	2.459	142	102873	43.733	ug/l	100
11) Tert butyl alcohol	2.947	59	57745	249.788	ug/l	99
12) 1,1-Dichloroethene	2.325	96	74483	48.074	ug/l	95
13) Acrolein	2.239	56	51943	243.826	ug/l	99
14) Allyl chloride	2.666	41	133771	41.842	ug/l	97
15) Acrylonitrile	3.062	53	237074	276.861	ug/l	98
16) Acetone	2.374	43	191277	211.938	ug/l	100
17) Carbon Disulfide	2.514	76	190551	44.926	ug/l	99
18) Methyl Acetate	2.703	43	84951	42.295	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	283904	50.198	ug/l	100
20) Methylene Chloride	2.788	84	93302	48.839	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	81059	48.595	ug/l	96
22) Diisopropyl ether	3.751	45	310330	50.085	ug/l	99
23) Vinyl Acetate	3.715	43	891723	179.821	ug/l	100
24) 1,1-Dichloroethane	3.605	63	166350	50.512	ug/l	99
25) 2-Butanone	4.544	43	292554	259.869	ug/l	99
26) 2,2-Dichloropropane	4.465	77	51357	18.760	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	101724	49.797	ug/l	92
28) Bromochloromethane	4.885	49	74572	51.868	ug/l	99
29) Tetrahydrofuran	4.995	42	184209	272.000	ug/l	99
30) Chloroform	5.087	83	171178	51.437	ug/l	99
31) Cyclohexane	5.458	56	122547	44.679	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	141212	50.026	ug/l	100
36) 1,1-Dichloropropene	5.684	75	108217	46.348	ug/l	99
37) Ethyl Acetate	4.702	43	94235	37.694	ug/l	100
38) Carbon Tetrachloride	5.672	117	118724	46.799	ug/l	99
39) Methylcyclohexane	7.367	83	111912	42.224	ug/l	98
40) Benzene	6.025	78	347041	48.936	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	67444	52.256	ug/l		99
42) 1,2-Dichloroethane	6.074	62	131812	48.850	ug/l		99
43) Isopropyl Acetate	6.324	43	171409	41.805	ug/l		99
44) Trichloroethene	7.111	130	82562	48.155	ug/l		96
45) 1,2-Dichloropropane	7.415	63	91907	50.612	ug/l		99
46) Dibromomethane	7.568	93	65794	49.790	ug/l		97
47) Bromodichloromethane	7.806	83	138717	50.871	ug/l		99
48) Methyl methacrylate	7.678	41	102283	50.081	ug/l		98
49) 1,4-Dioxane	7.647	88	24786	1200.873	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	620097	272.773	ug/l		100
52) Toluene	8.702	92	214913	49.189	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	119225	42.865	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	125574	42.239	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	89687	53.235	ug/l		98
56) Ethyl methacrylate	9.104	69	135413	51.180	ug/l		98
57) 1,3-Dichloropropane	9.293	76	152638	52.742	ug/l		99
59) 2-Hexanone	9.415	43	431515	264.296	ug/l		99
60) Dibromochloromethane	9.506	129	102603	52.856	ug/l		99
61) 1,2-Dibromoethane	9.592	107	91070	53.072	ug/l		99
64) Tetrachloroethene	9.256	164	63893	44.674	ug/l		98
65) Chlorobenzene	10.061	112	241281	48.409	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	86085	50.052	ug/l		100
67) Ethyl Benzene	10.177	91	408915	47.549	ug/l		99
68) m/p-Xylenes	10.287	106	305843	95.548	ug/l		97
69) o-Xylene	10.622	106	147434	47.620	ug/l		100
70) Styrene	10.640	104	263713	48.612	ug/l		99
71) Bromoform	10.781	173	67158	52.294	ug/l	#	97
73) Isopropylbenzene	10.945	105	378611	45.680	ug/l		99
74) N-amyl acetate	10.829	43	130534	34.536	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	127200	50.725	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	110036m	49.851	ug/l		
77) Bromobenzene	11.183	156	95003	46.539	ug/l		97
78) n-propylbenzene	11.287	91	443409	45.255	ug/l		99
79) 2-Chlorotoluene	11.348	91	275505	45.910	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	311235	45.705	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	28646	33.095	ug/l		99
82) 4-Chlorotoluene	11.433	91	324041	45.720	ug/l		100
83) tert-Butylbenzene	11.695	119	319186	45.788	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	318257	46.098	ug/l		100
85) sec-Butylbenzene	11.872	105	373260	45.080	ug/l		100
86) p-Isopropyltoluene	11.988	119	311701	44.466	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	174955	46.142	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	176328	45.310	ug/l		99
89) n-Butylbenzene	12.311	91	282629	43.574	ug/l		98
90) Hexachloroethane	12.518	117	57934	47.073	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	171262	47.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24849	48.944	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	102687	43.739	ug/l		98
94) Hexachlorobutadiene	13.707	225	32725	41.038	ug/l		99
95) Naphthalene	13.756	128	343048	47.986	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	100023	45.801	ug/l		99

Sample Results: **VX047950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

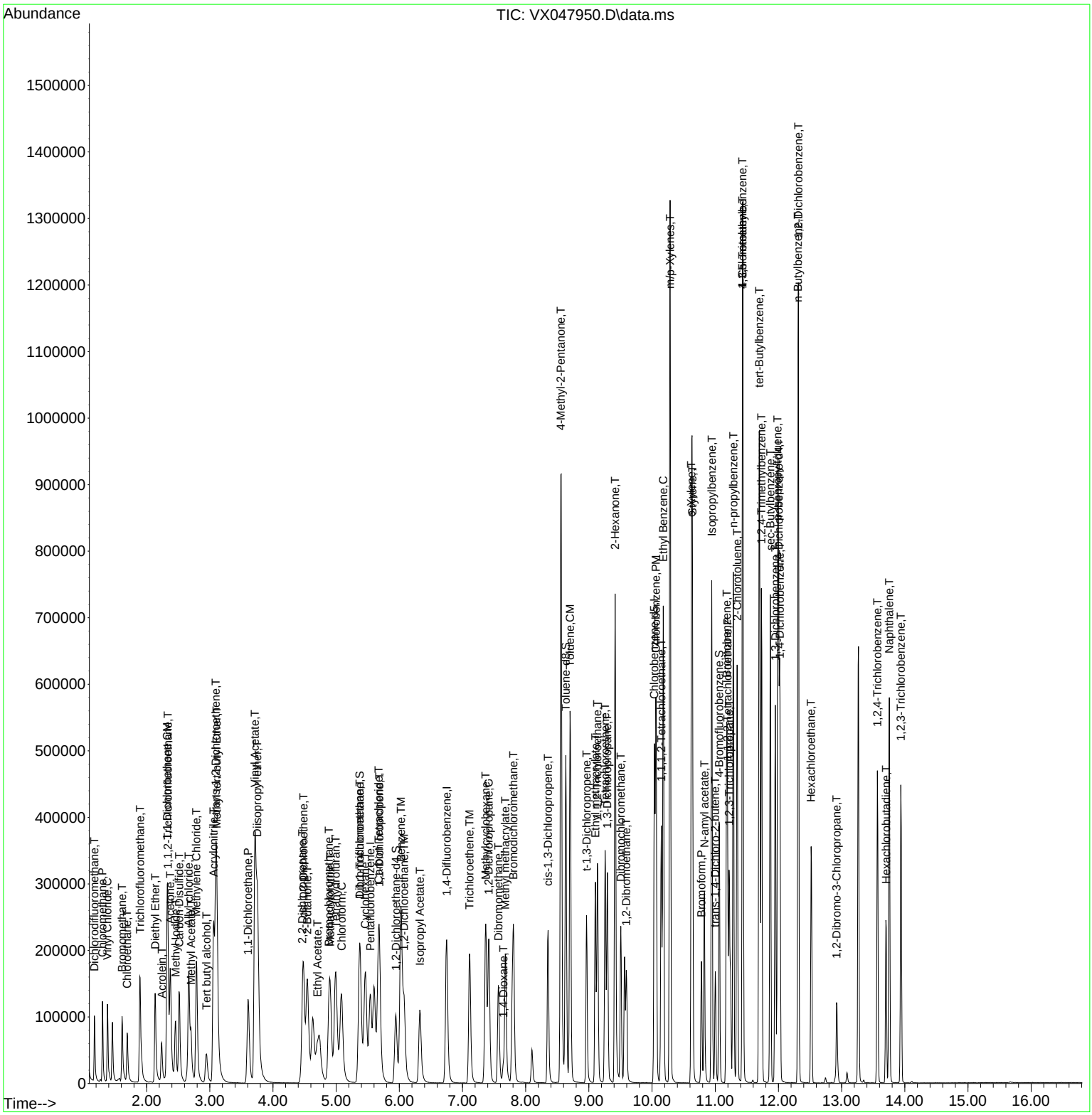
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

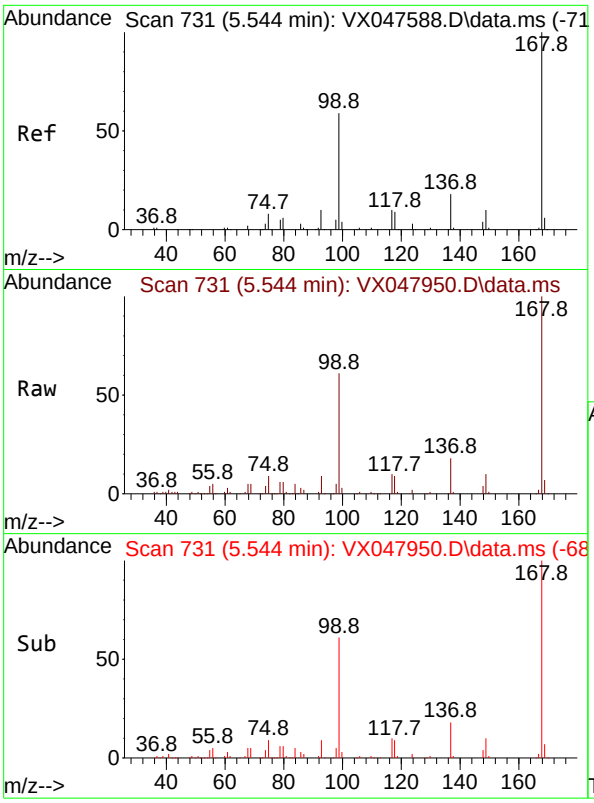
Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

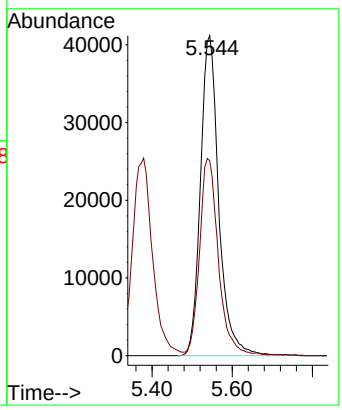




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:168 Resp: 13040

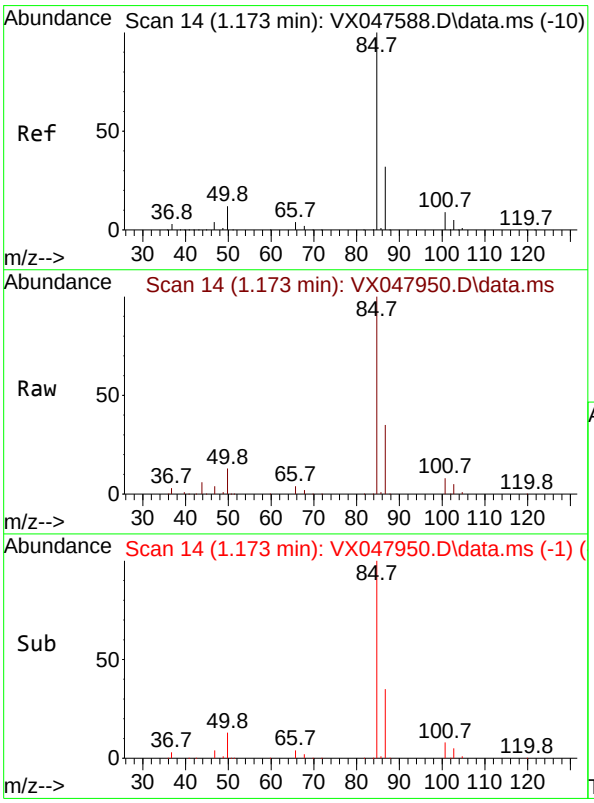
Ion	Ratio	Lower	Upper
168	100		
99	60.7	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
APPROVED

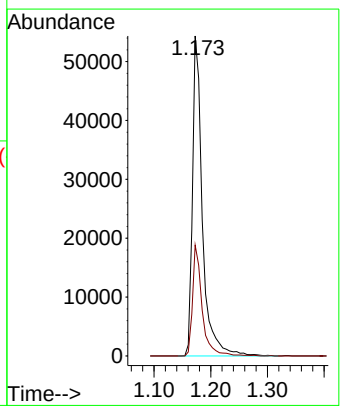
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

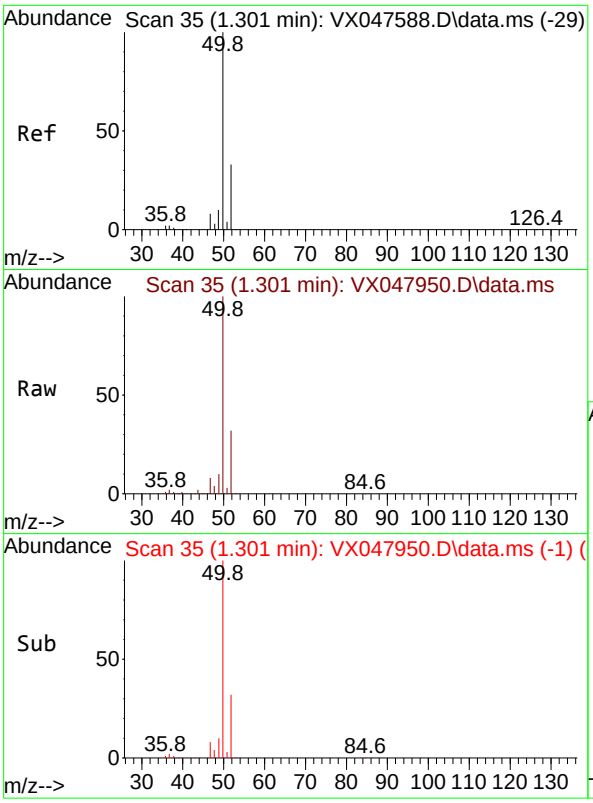


#2
Dichlorodifluoromethane
Concen: 48.999 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 85 Resp: 66166

Ion	Ratio	Lower	Upper
85	100		
87	34.7	15.8	47.3

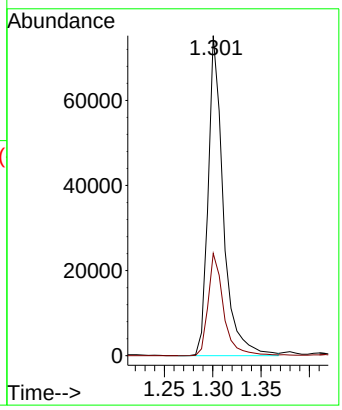




#3
Chloromethane
Concen: 46.442 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 50 Resp: 8242

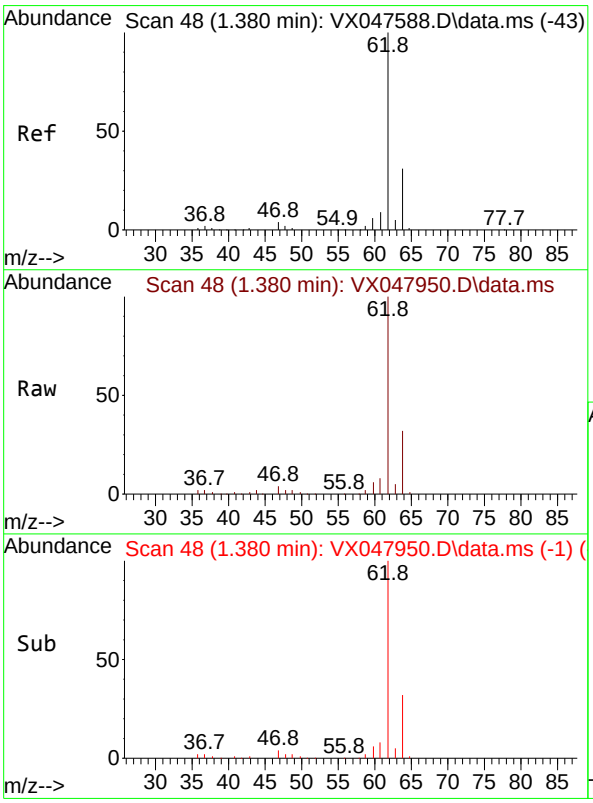
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
APPROVED

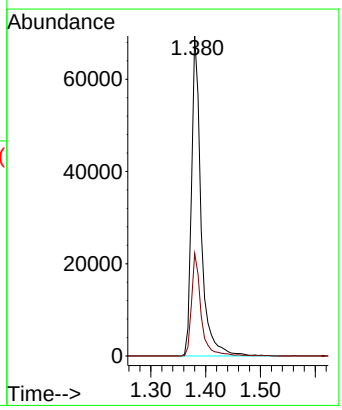
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

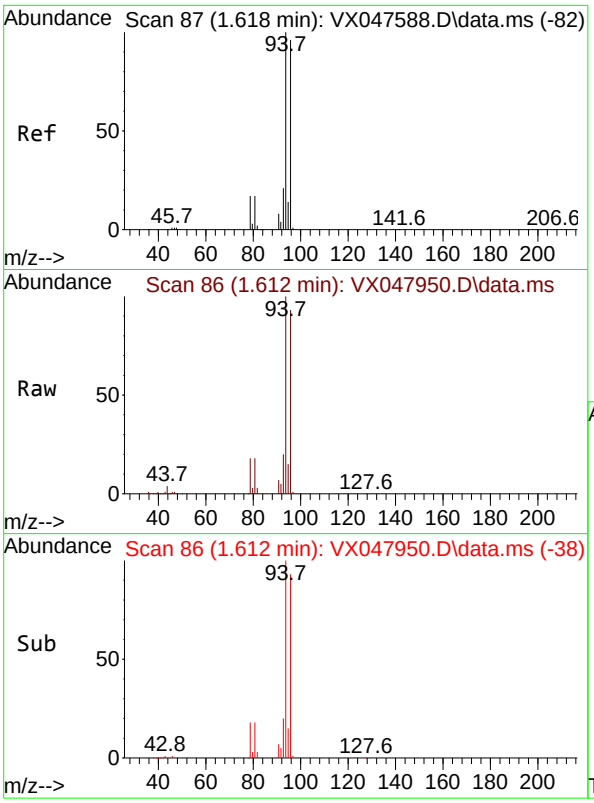


#4
Vinyl Chloride
Concen: 48.659 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 62 Resp: 84533

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3

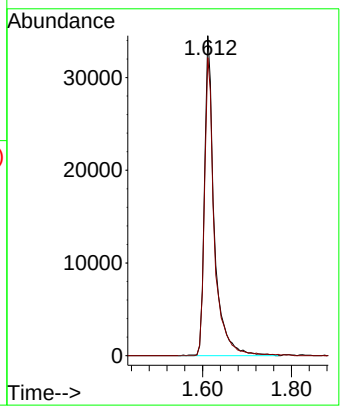




#5
Bromomethane
Concen: 48.304 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 94 Resp: 5321

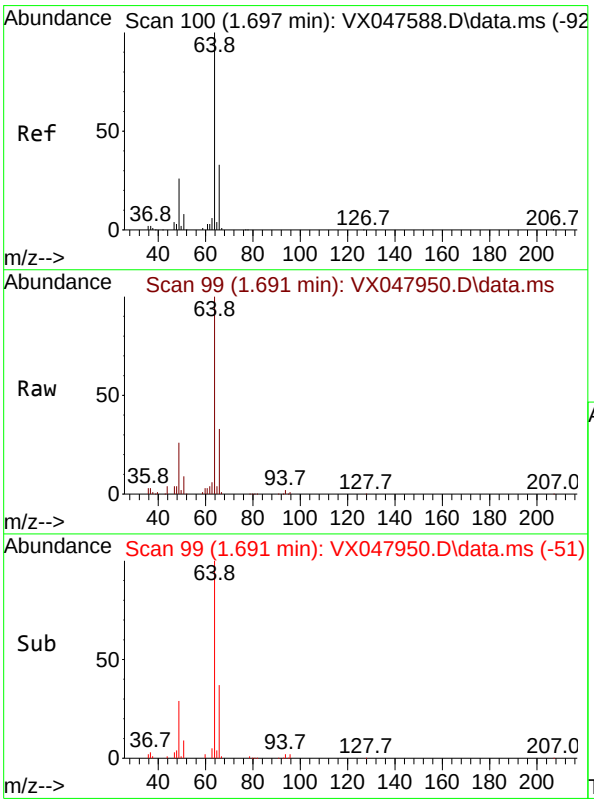
Ion	Ratio	Lower	Upper
94	100		
96	93.2	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
APPROVED

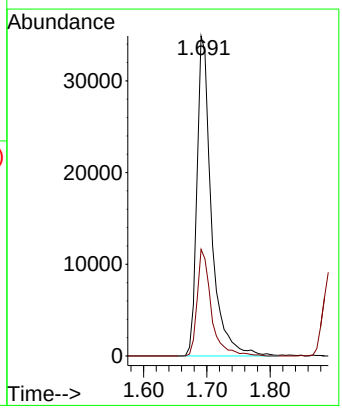
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

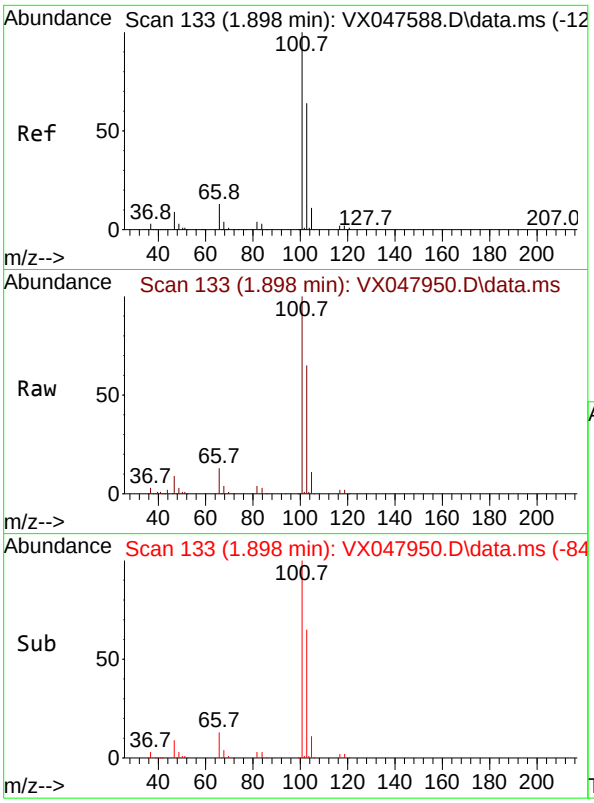


#6
Chloroethane
Concen: 47.906 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 64 Resp: 55625

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.1	39.1

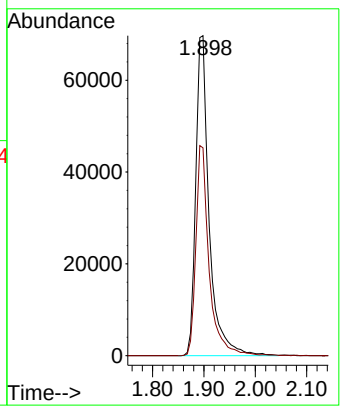




#7
Trichlorofluoromethane
Concen: 48.923 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:101 Resp: 12619

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
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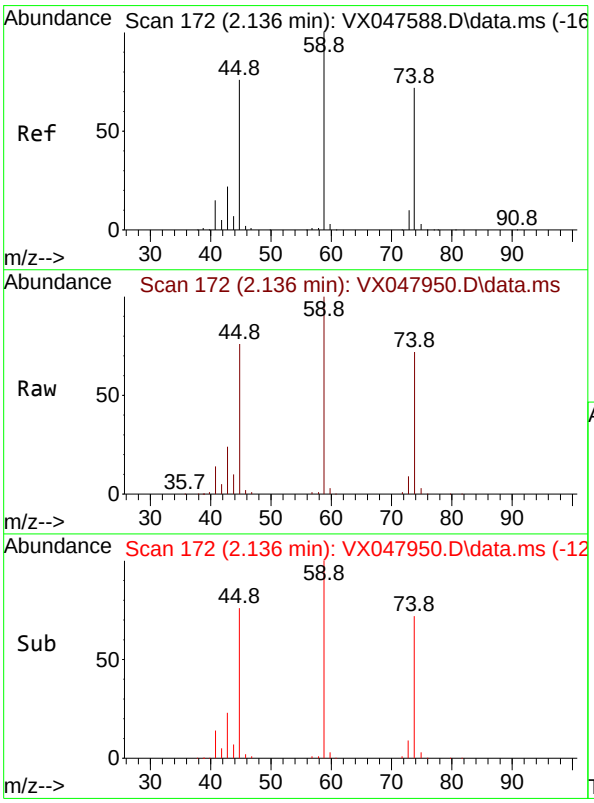
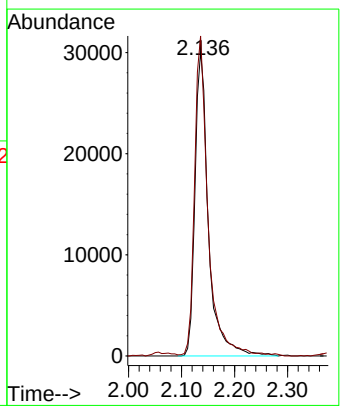
Supervised By :Mahesh Dadoda 10/03/2025

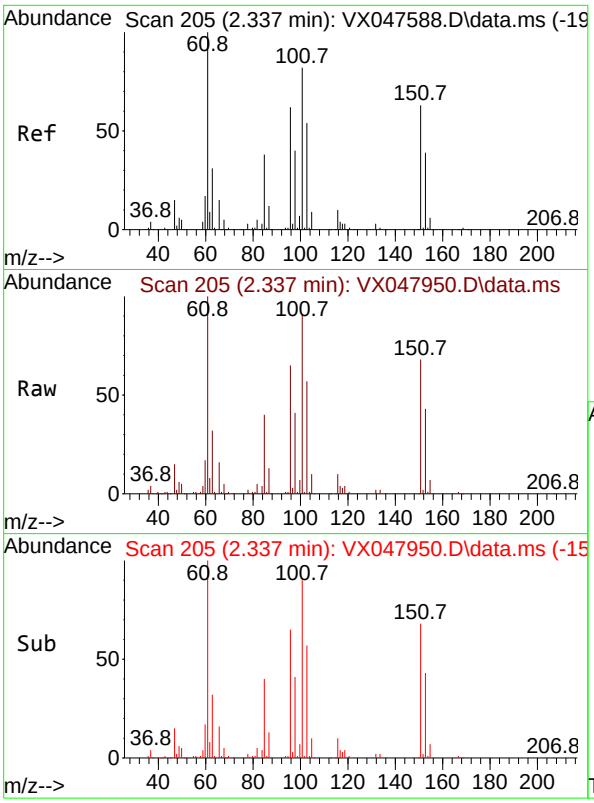


#8
Diethyl Ether
Concen: 50.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 74 Resp: 53194

Ion	Ratio	Lower	Upper
74	100		
45	106.0	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.235 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:101 Resp: 7275

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	71.9	59.4	89.0

Instrument :
MSVOA_X
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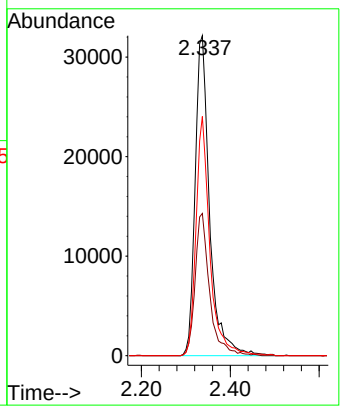
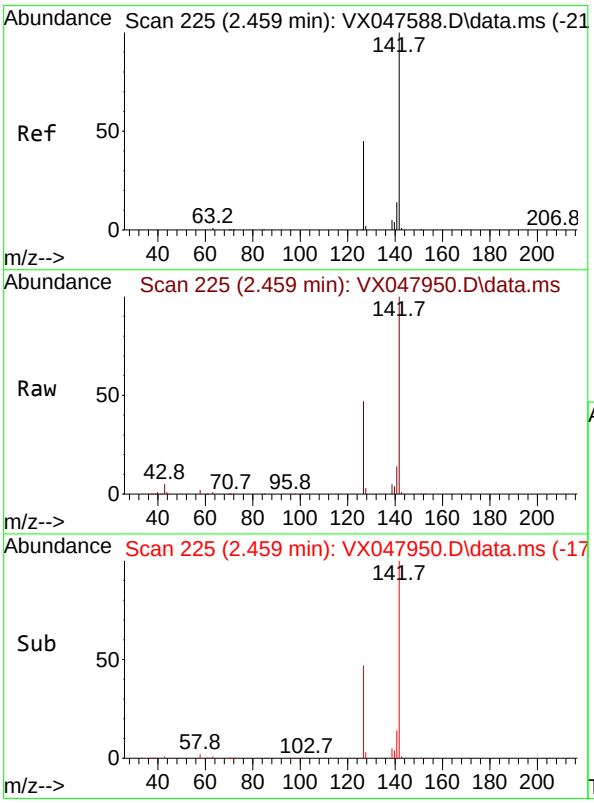
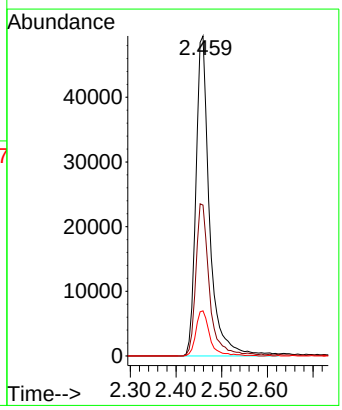


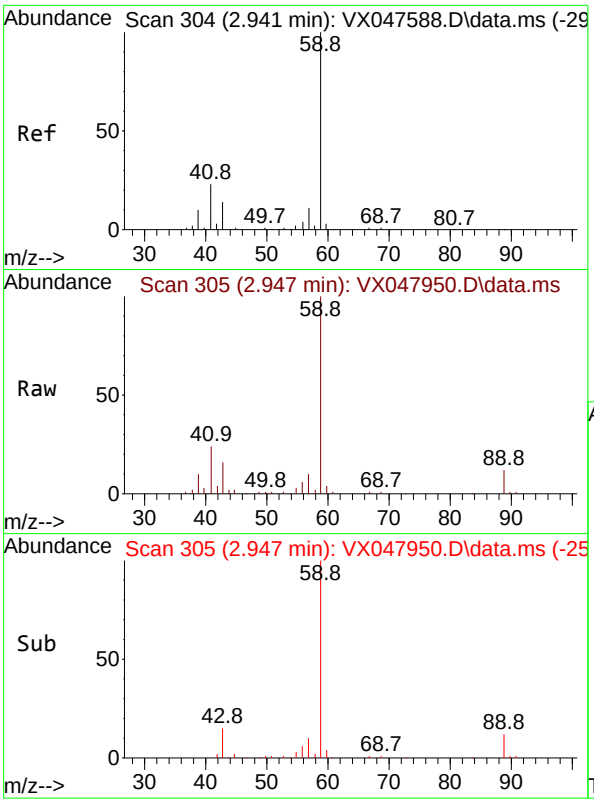


#10
Methyl Iodide
Concen: 43.733 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:142 Resp: 102873

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 249.788 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 59 Resp: 5774

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
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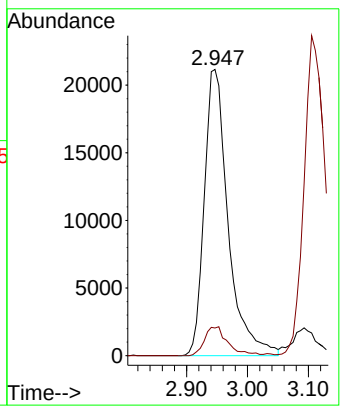
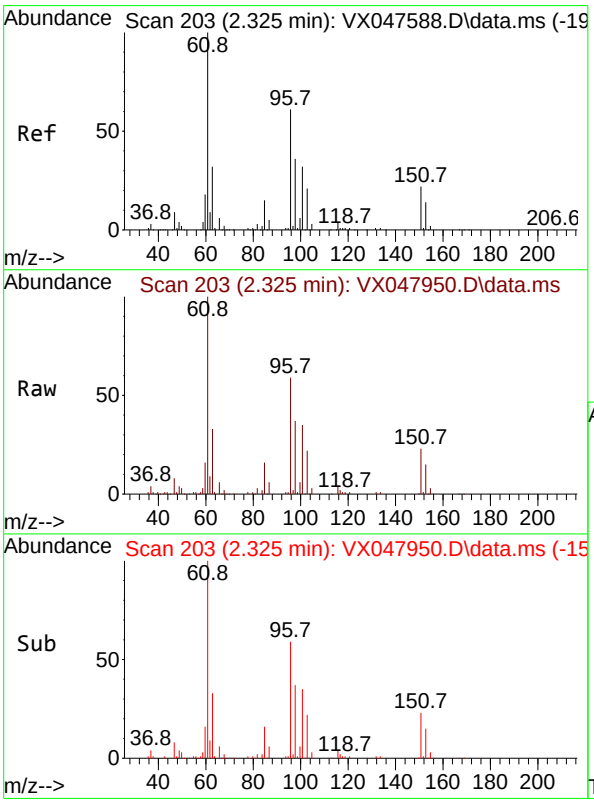
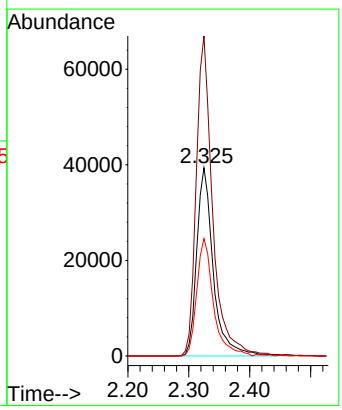


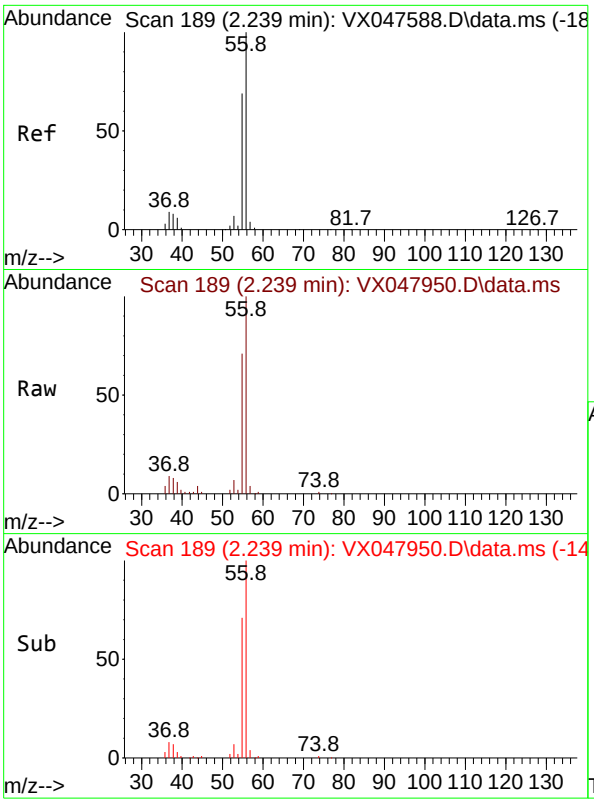


#12
1,1-Dichloroethene
Concen: 48.074 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 96 Resp: 74483

Ion	Ratio	Lower	Upper
96	100		
61	170.1	131.0	196.6
98	64.4	47.7	71.5





#13
Acrolein
Concen: 243.826 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 56 Resp: 5194

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
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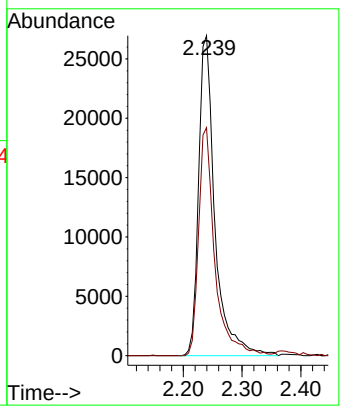
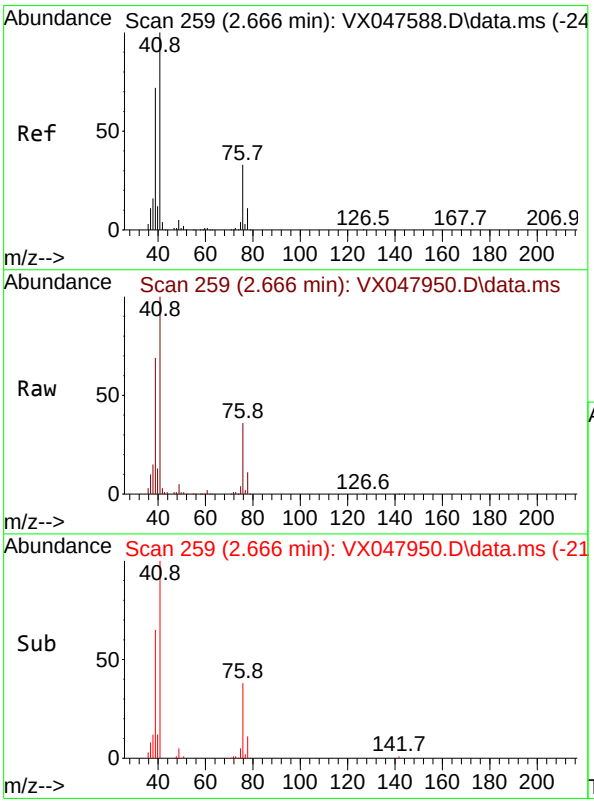
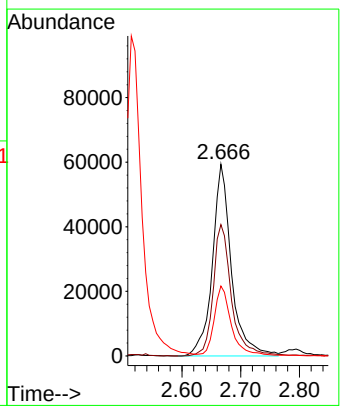


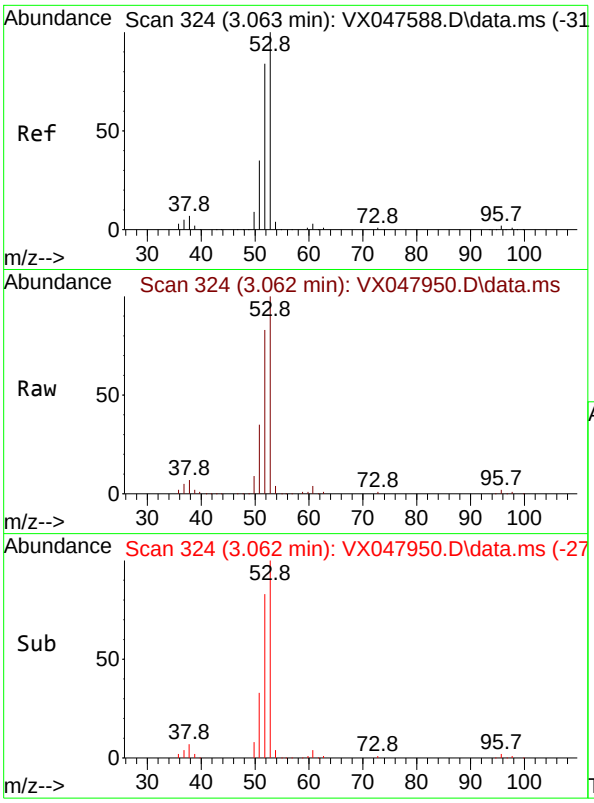


#14
Allyl chloride
Concen: 41.842 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 41 Resp: 133771

Ion	Ratio	Lower	Upper
41	100		
39	65.7	54.7	82.1
76	33.0	25.7	38.5

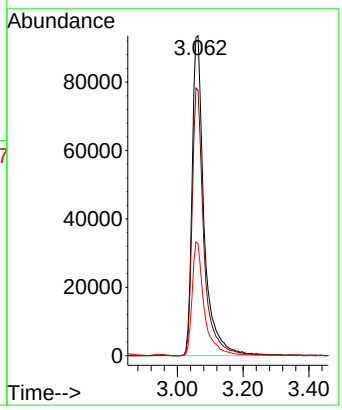




#15
Acrylonitrile
Concen: 276.861 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 53 Resp: 23707

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.1	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
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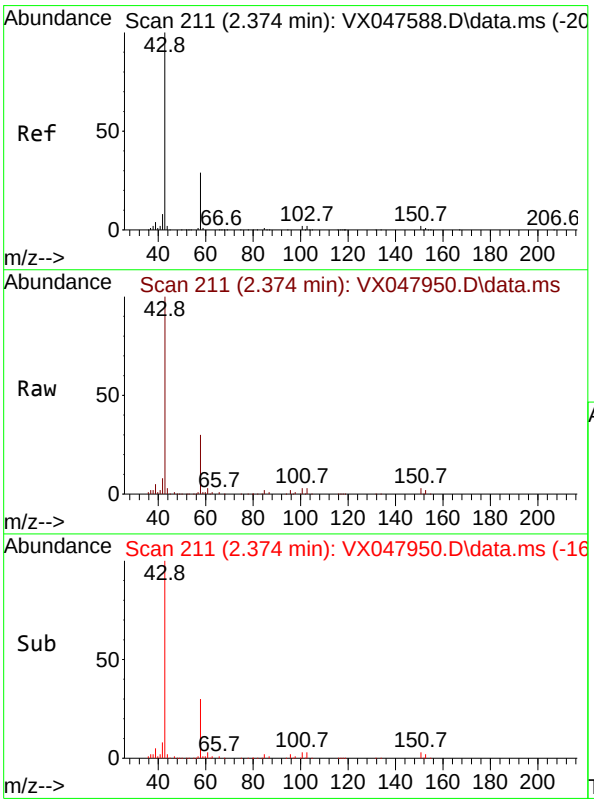
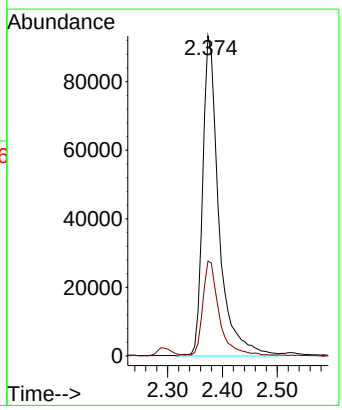
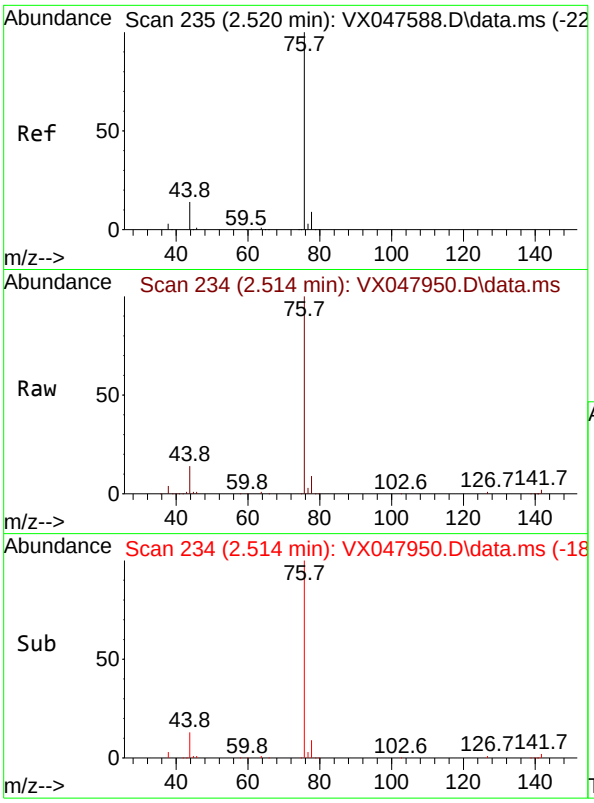


#16
Acetone
Concen: 211.938 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 191277

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0





#17
Carbon Disulfide
Concen: 44.926 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 76 Resp: 19055

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
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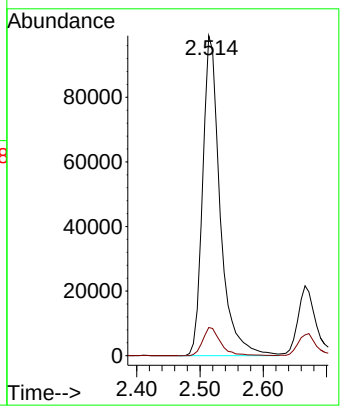
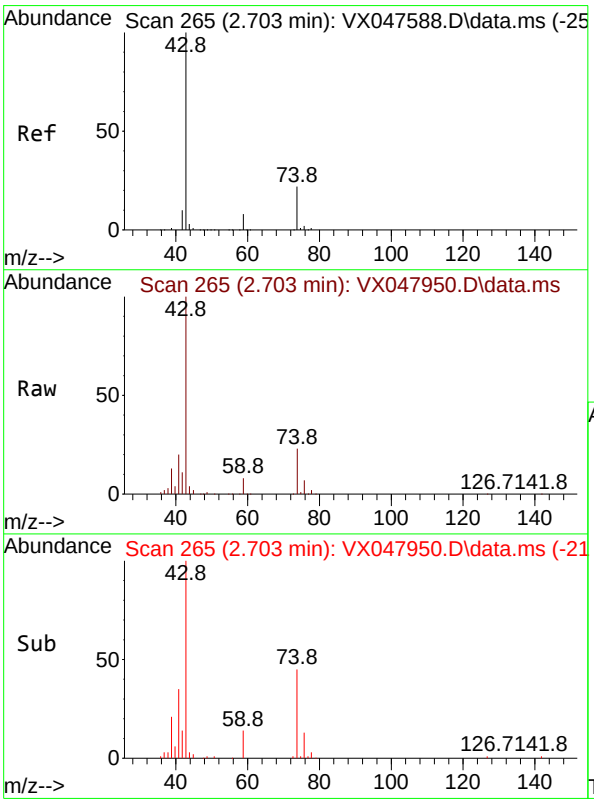
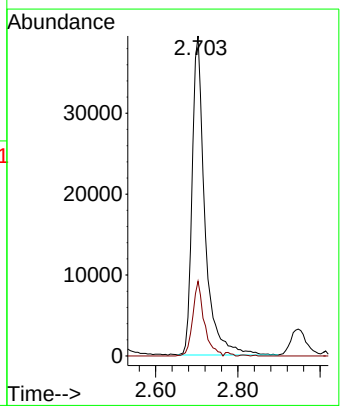


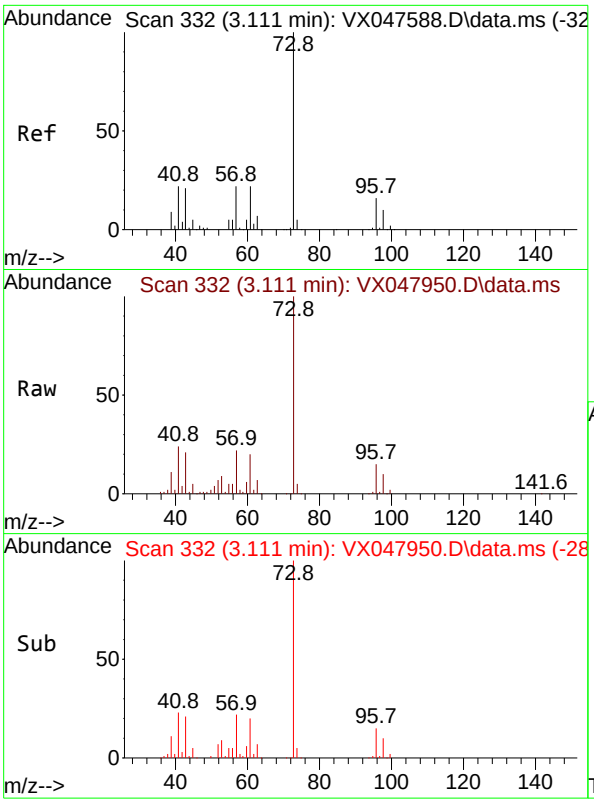


#18
Methyl Acetate
Concen: 42.295 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 84951

Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 50.198 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 73 Resp: 28390

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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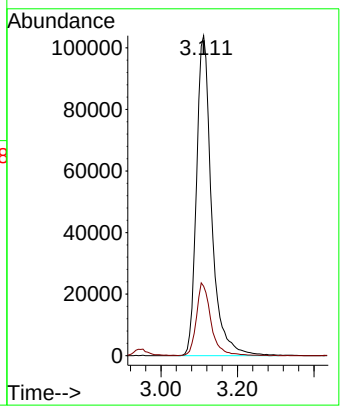
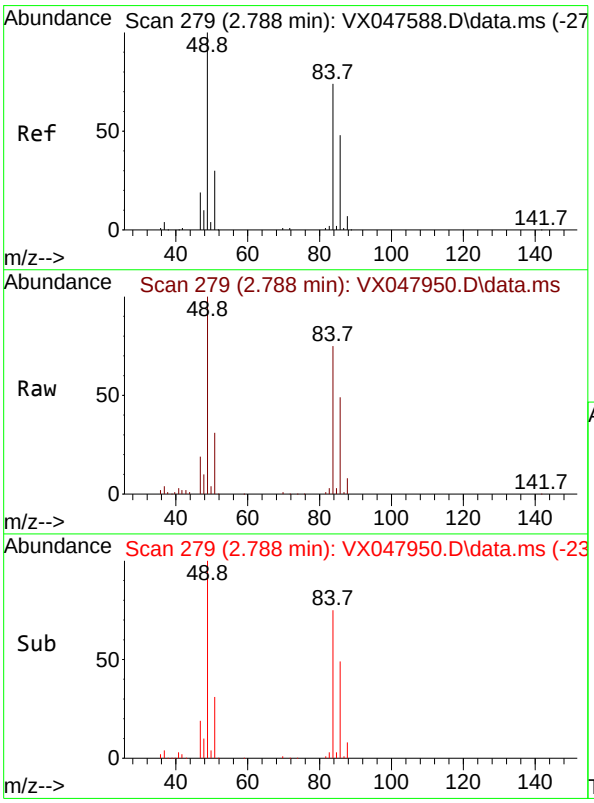
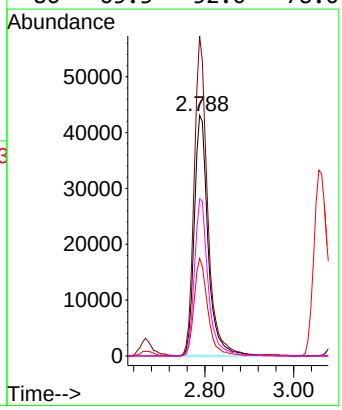


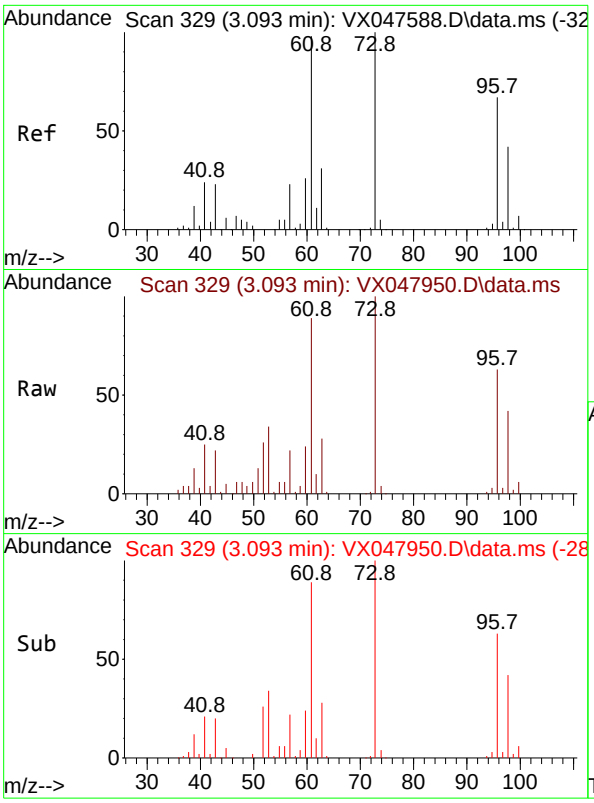


#20
Methylene Chloride
Concen: 48.839 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 84 Resp: 93302

Ion	Ratio	Lower	Upper
84	100		
49	132.8	108.6	162.8
51	40.6	32.6	48.8
86	65.3	52.0	78.0

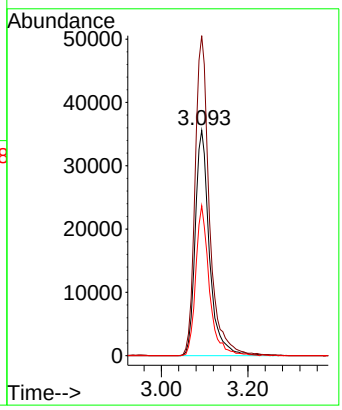




#21
trans-1,2-Dichloroethene
Concen: 48.595 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 96 Resp: 8105

Ion	Ratio	Lower	Upper
96	100		
61	142.0	116.2	174.2
98	66.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
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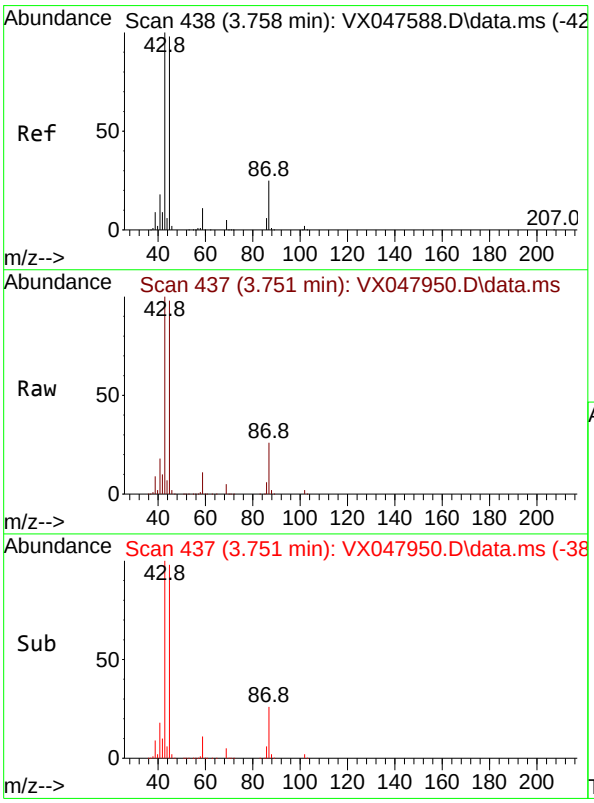
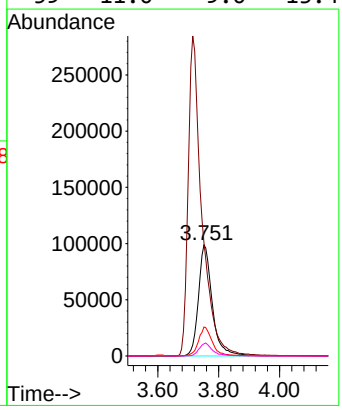
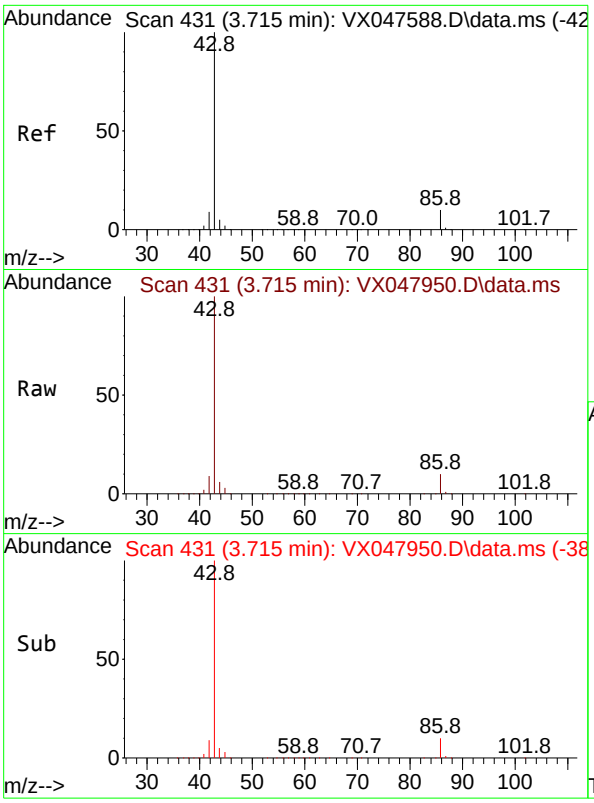


#22
Diisopropyl ether
Concen: 50.085 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 45 Resp: 310330

Ion	Ratio	Lower	Upper
45	100		
43	101.9	81.0	121.4
87	26.1	20.3	30.5
59	11.0	9.0	13.4





#23
Vinyl Acetate
Concen: 179.821 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 89172

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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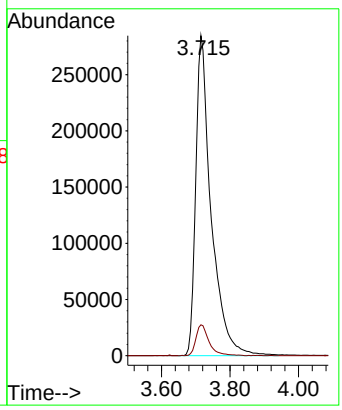
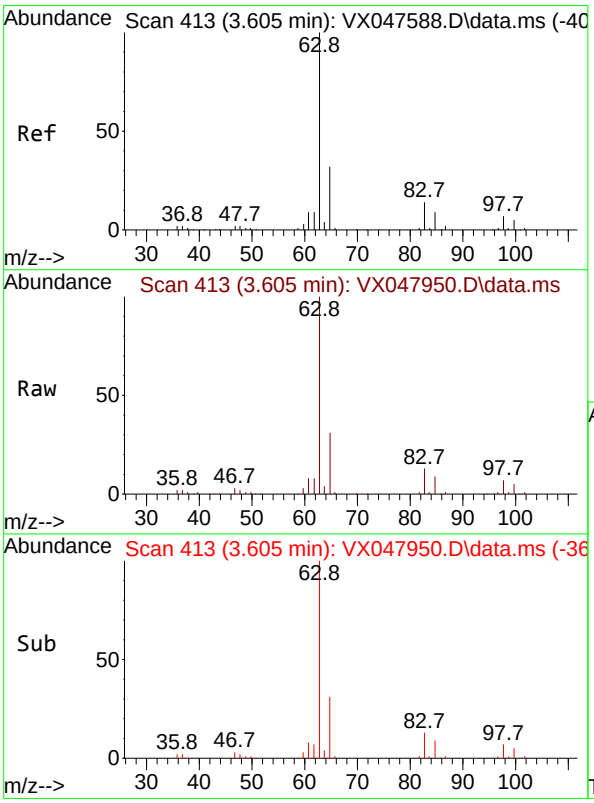
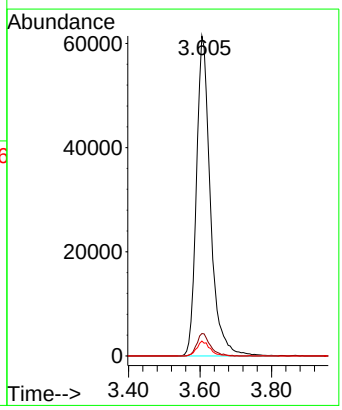


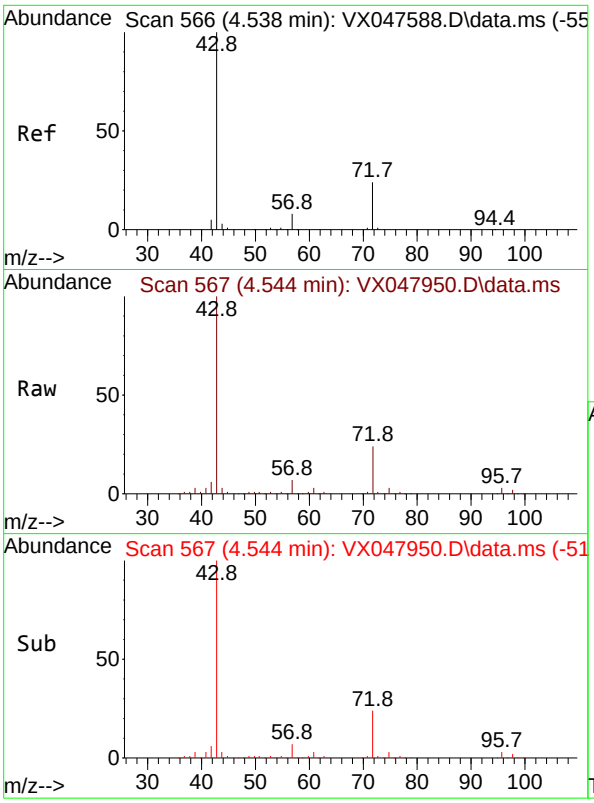


#24
1,1-Dichloroethane
Concen: 50.512 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 63 Resp: 166350

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 259.869 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 29255

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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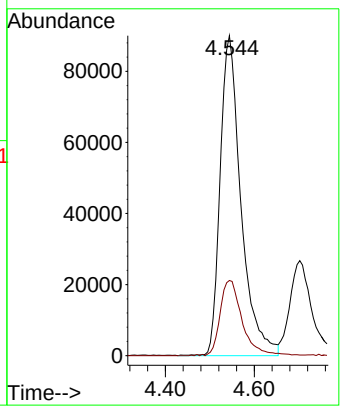
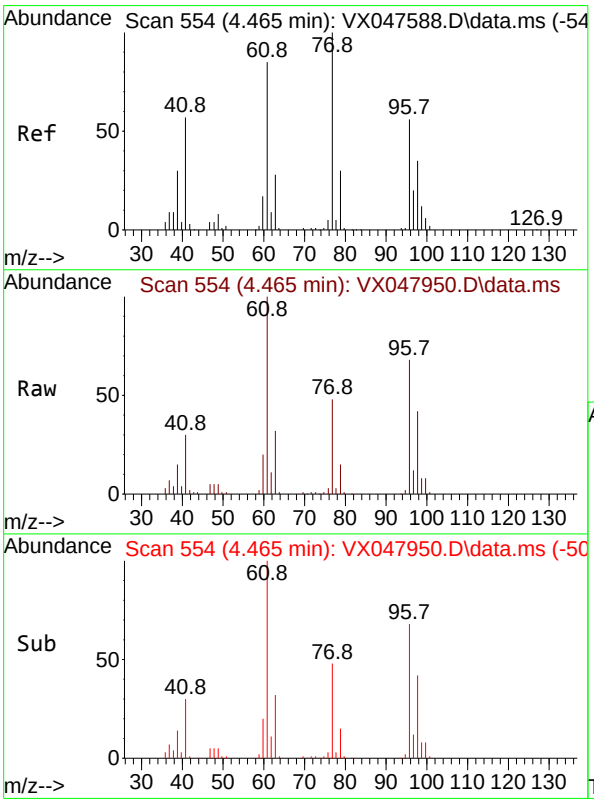
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

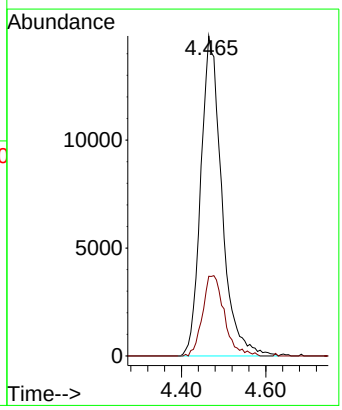


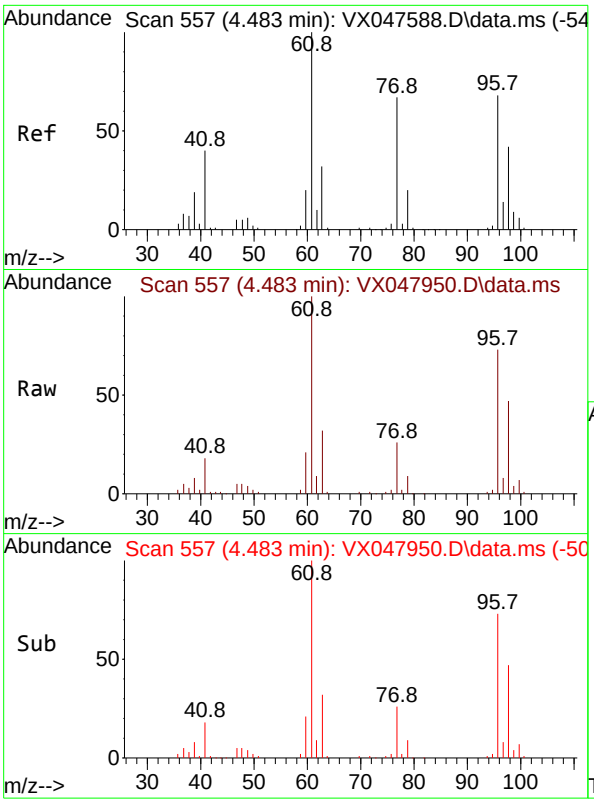


#26
2,2-Dichloropropane
Concen: 18.760 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 77 Resp: 51357

Ion	Ratio	Lower	Upper
77	100		
97	26.0	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 49.797 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 96 Resp: 10172

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	303.2
98	64.0	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
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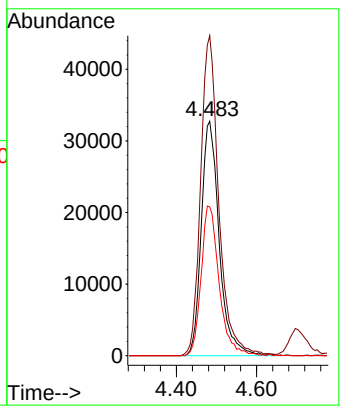
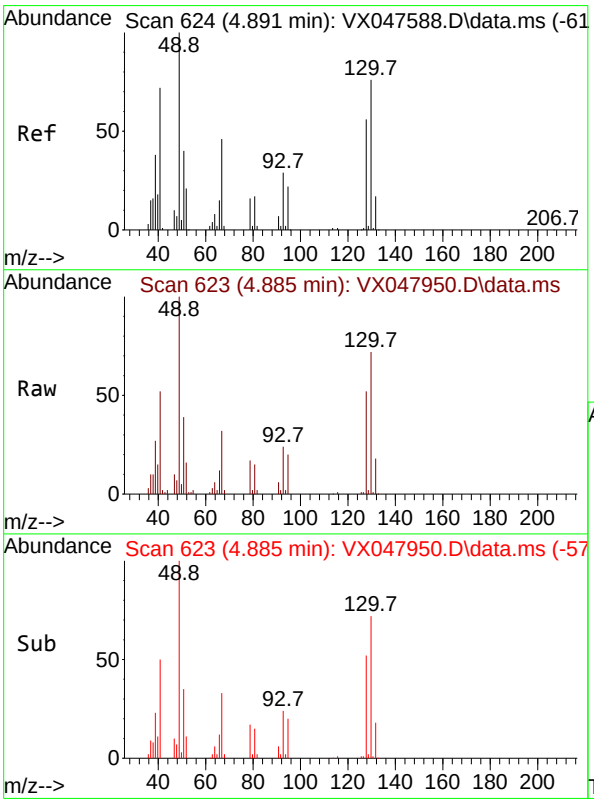
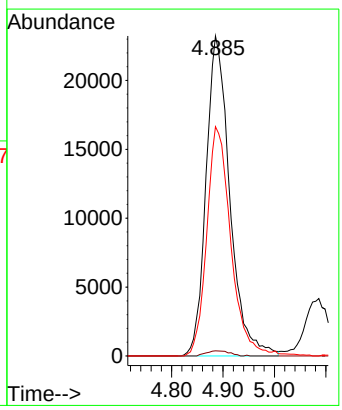


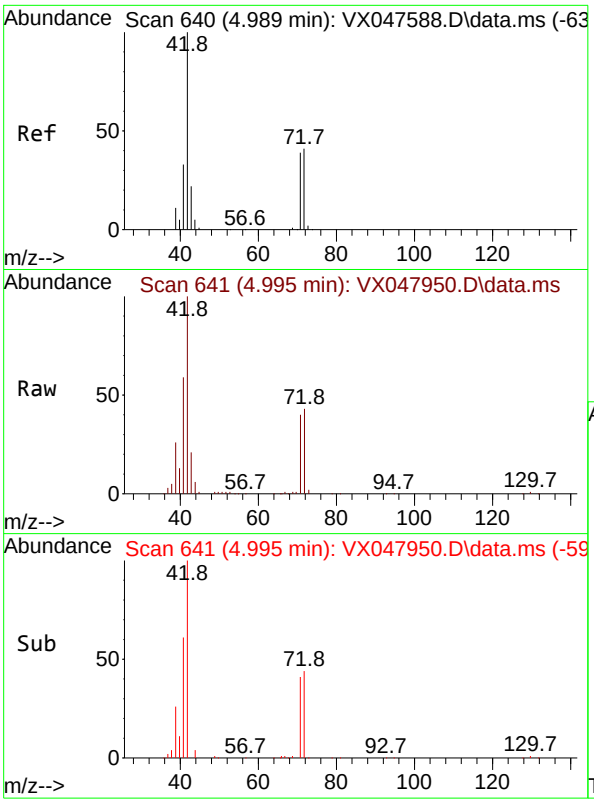


#28
Bromochloromethane
Concen: 51.868 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 49 Resp: 74572

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.8	57.8	86.8





#29
Tetrahydrofuran
Concen: 272.000 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 42 Resp: 184209

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	39.6	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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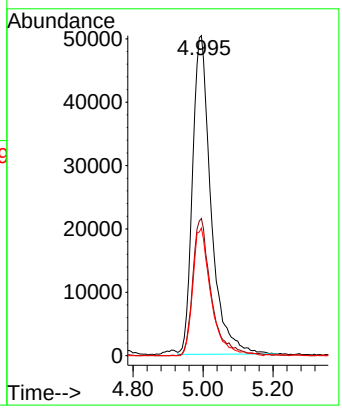
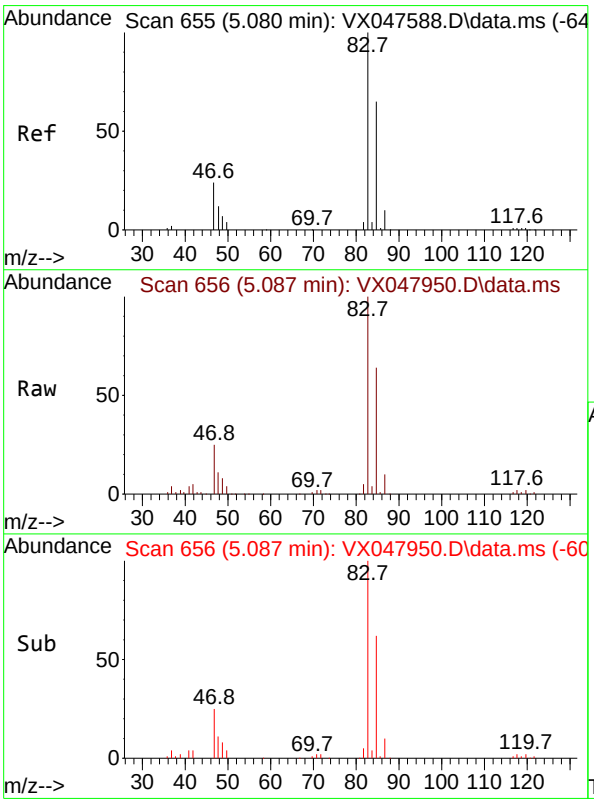
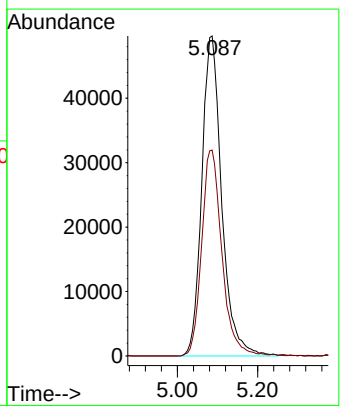


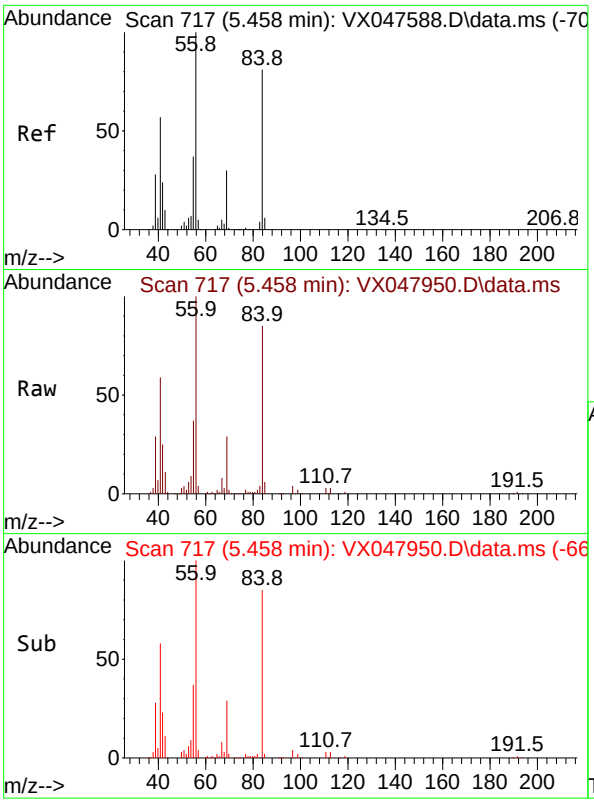


#30
Chloroform
Concen: 51.437 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 83 Resp: 171178

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31
Cyclohexane
Concen: 44.679 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 56 Resp: 12254

Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.8	35.8
84	81.6	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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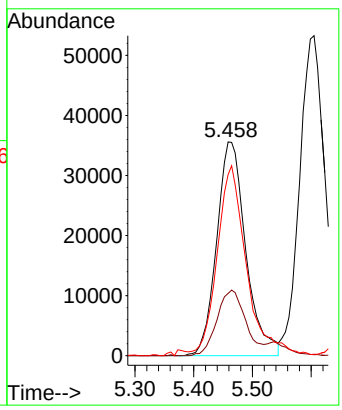
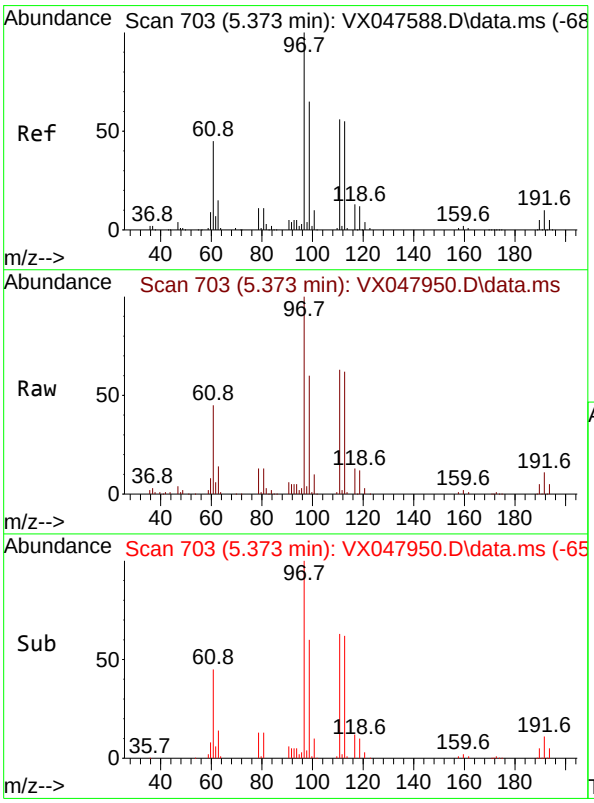
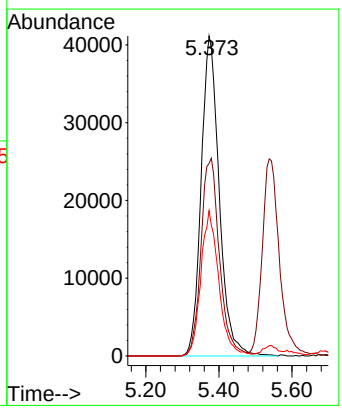


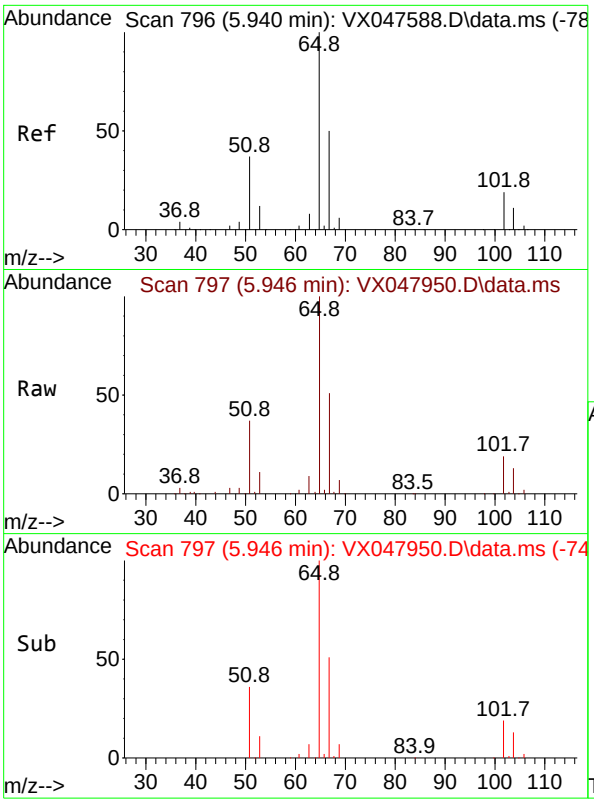


#32
1,1,1-Trichloroethane
Concen: 50.026 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 97 Resp: 141212

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.1	35.8	53.8

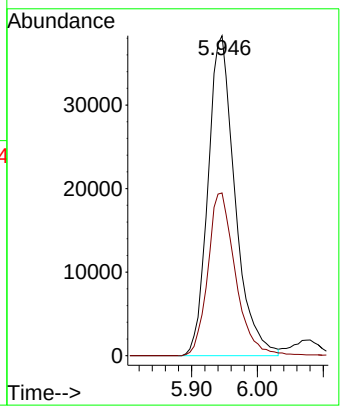




#33
1,2-Dichloroethane-d4
Concen: 52.659 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 65 Resp: 10930

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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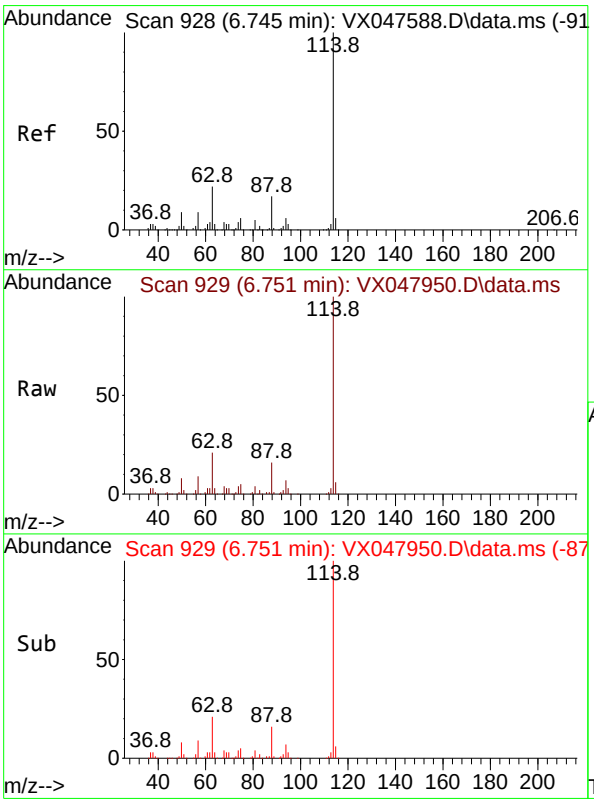
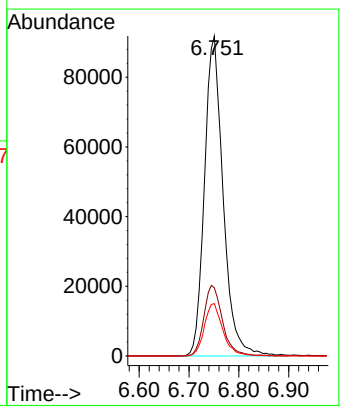
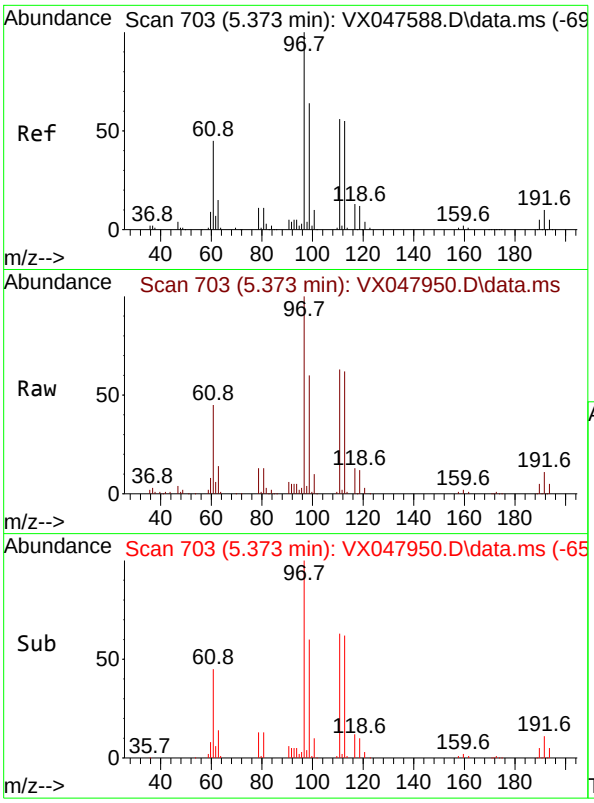


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:114 Resp: 238258

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.3	0.0	34.2

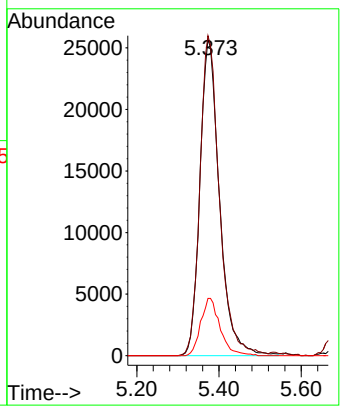




#35
Dibromofluoromethane
Concen: 53.059 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:113 Resp: 8478

Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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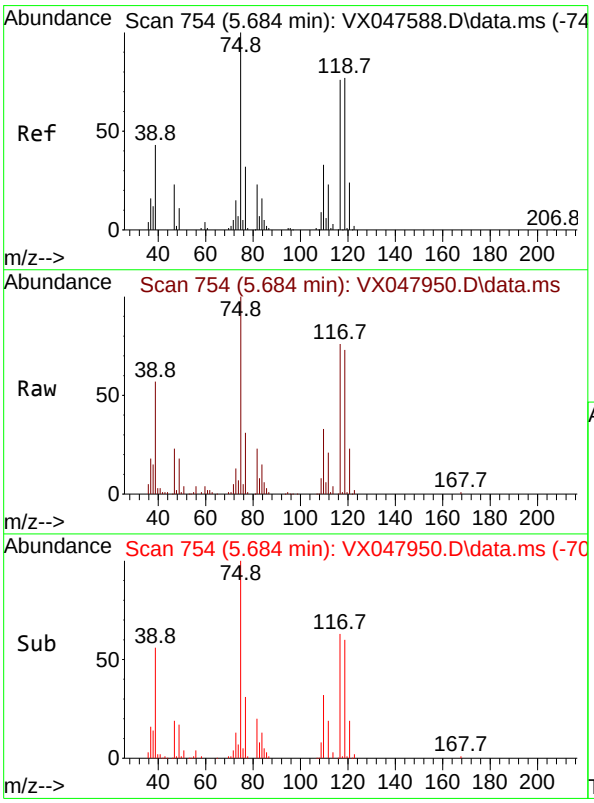
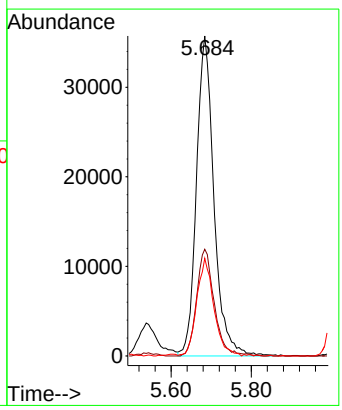
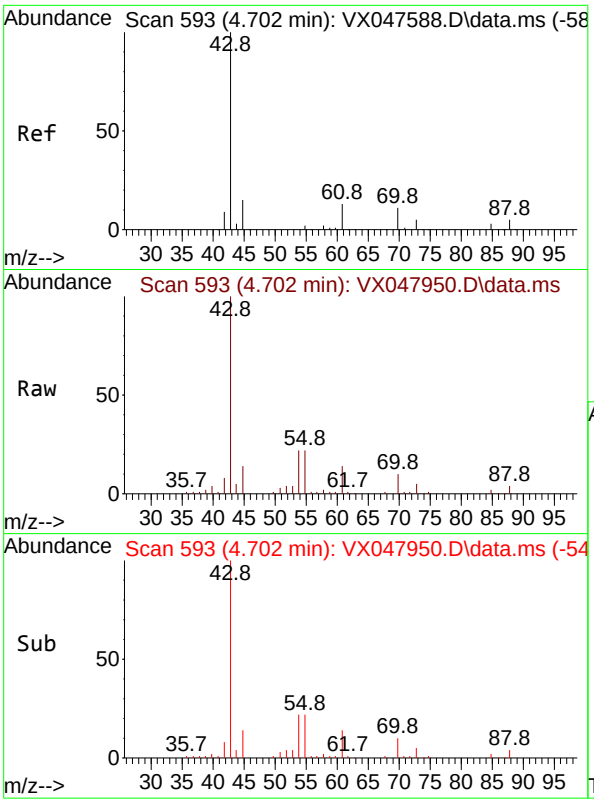


#36
1,1-Dichloropropene
Concen: 46.348 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 108217

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.7	50.1
77	29.8	24.3	36.5

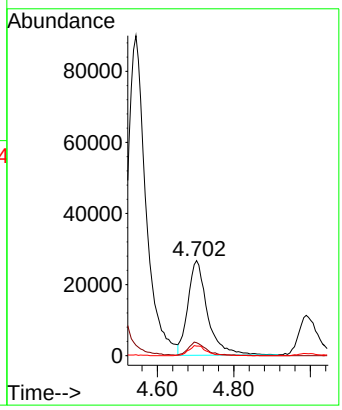




#37
Ethyl Acetate
Concen: 37.694 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 9423

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.8	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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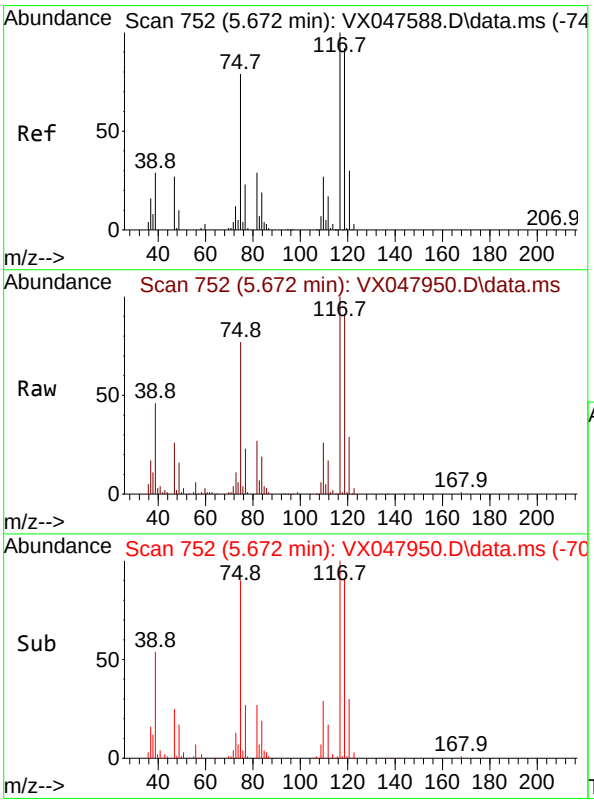
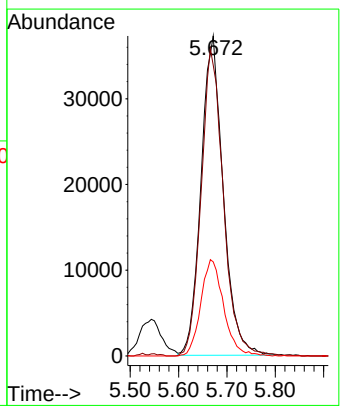
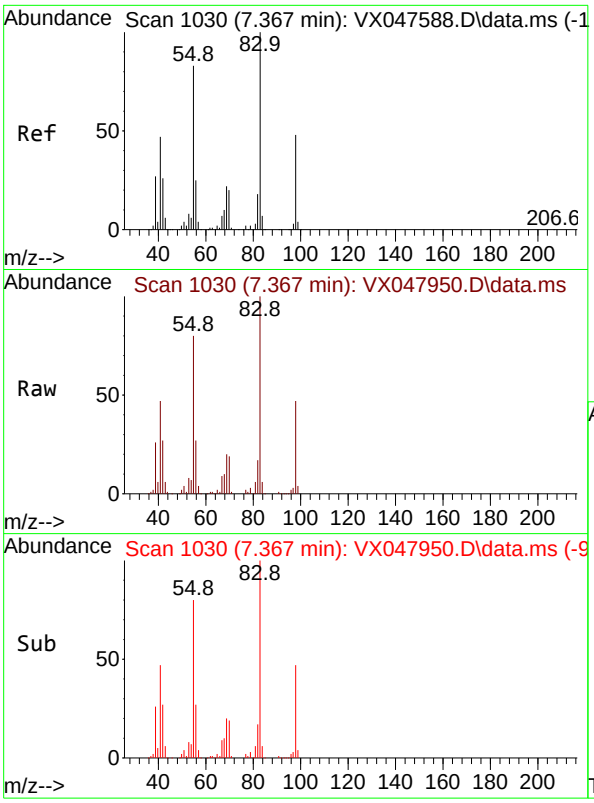


#38
Carbon Tetrachloride
Concen: 46.799 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:117 Resp: 118724

Ion	Ratio	Lower	Upper
117	100		
119	90.9	73.4	110.2
121	29.5	23.8	35.6





#39
Methylcyclohexane
Concen: 42.224 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 83 Resp: 11191

Ion	Ratio	Lower	Upper
83	100		
55	79.5	66.4	99.6
98	47.5	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
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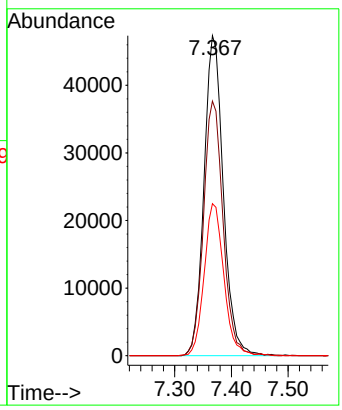
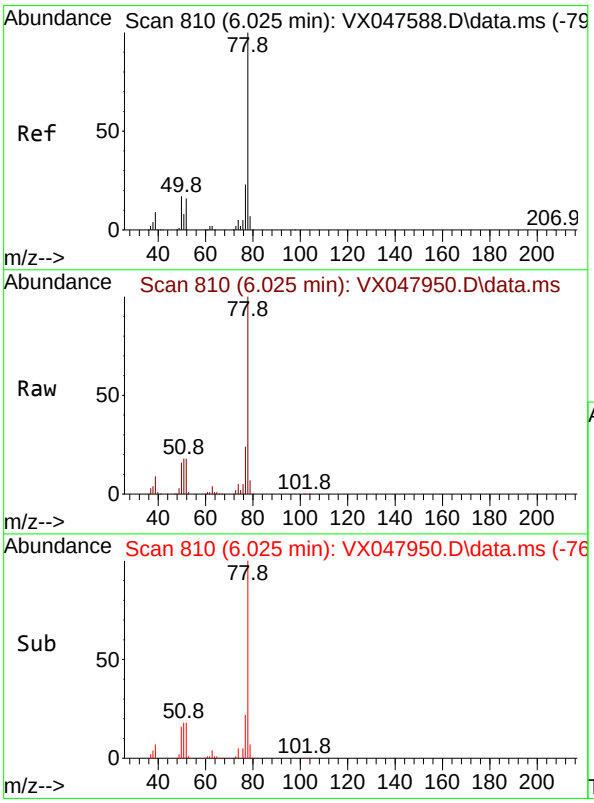
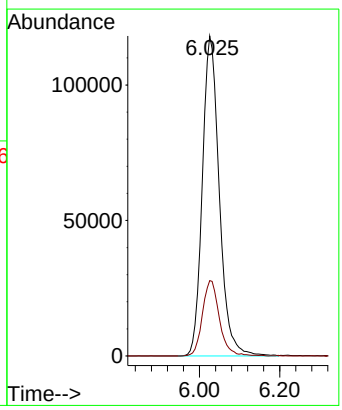


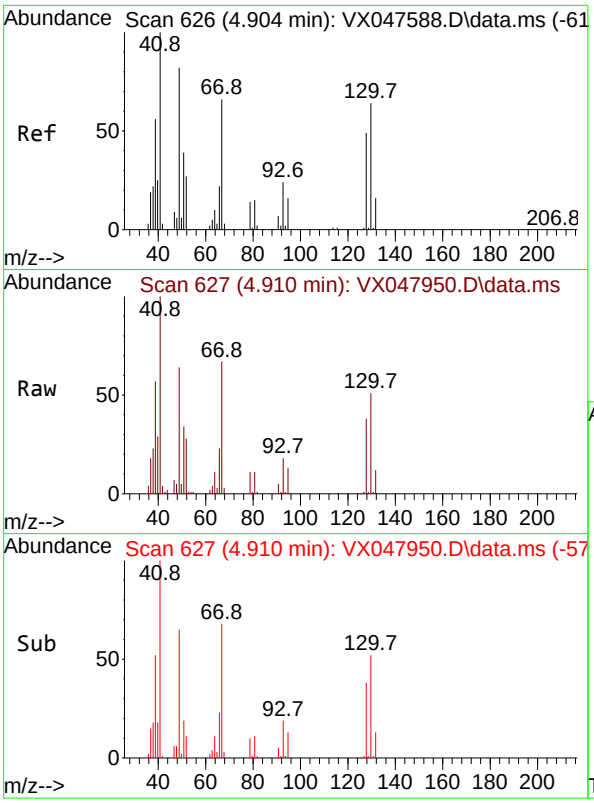


#40
Benzene
Concen: 48.936 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 78 Resp: 347041

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

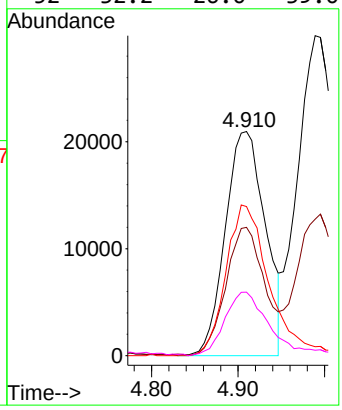




#41
Methacrylonitrile
Concen: 52.256 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 41 Resp: 6744

Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.3	64.9
67	74.2	58.6	87.8
52	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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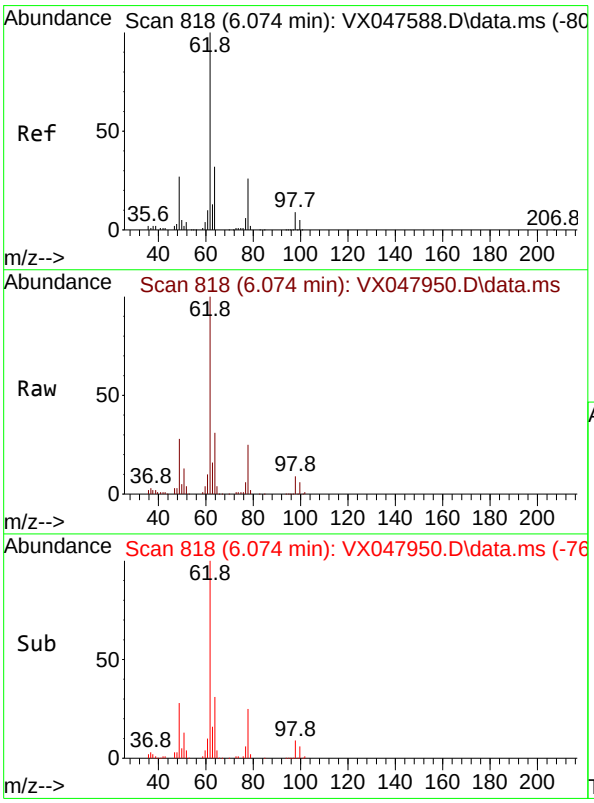
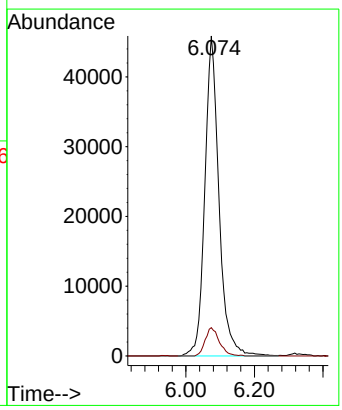
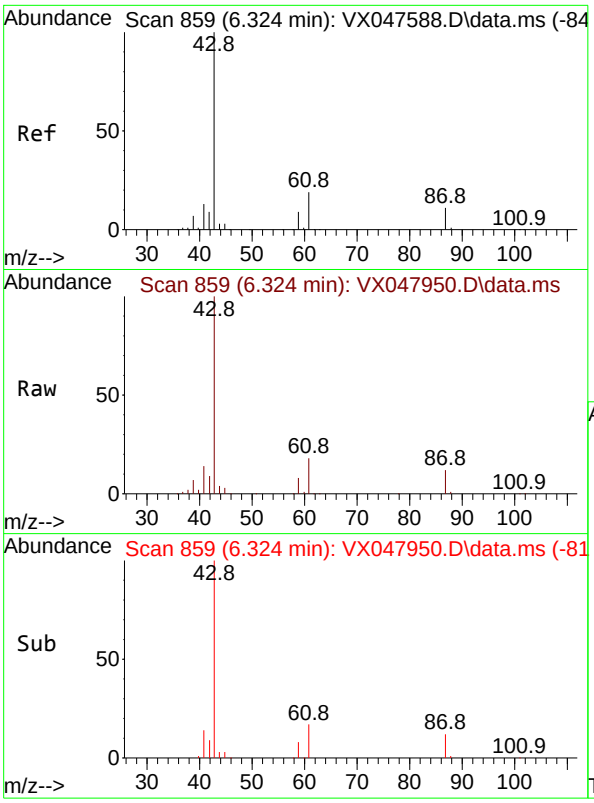


#42
1,2-Dichloroethane
Concen: 48.850 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 62 Resp: 131812

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0





#43
Isopropyl Acetate
Concen: 41.805 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 17140

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.5	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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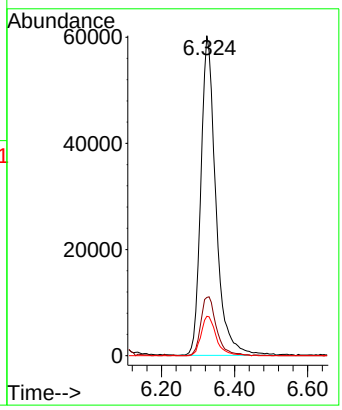
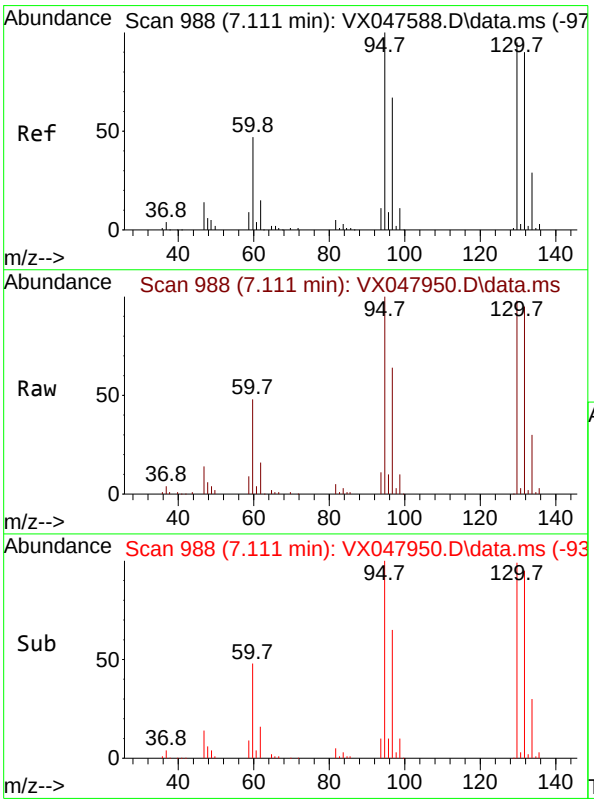
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

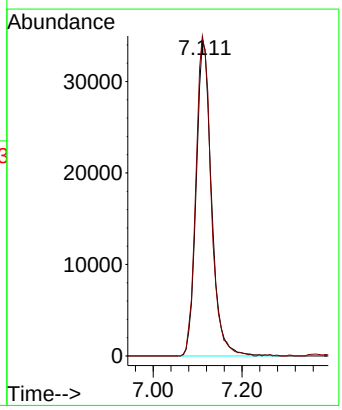


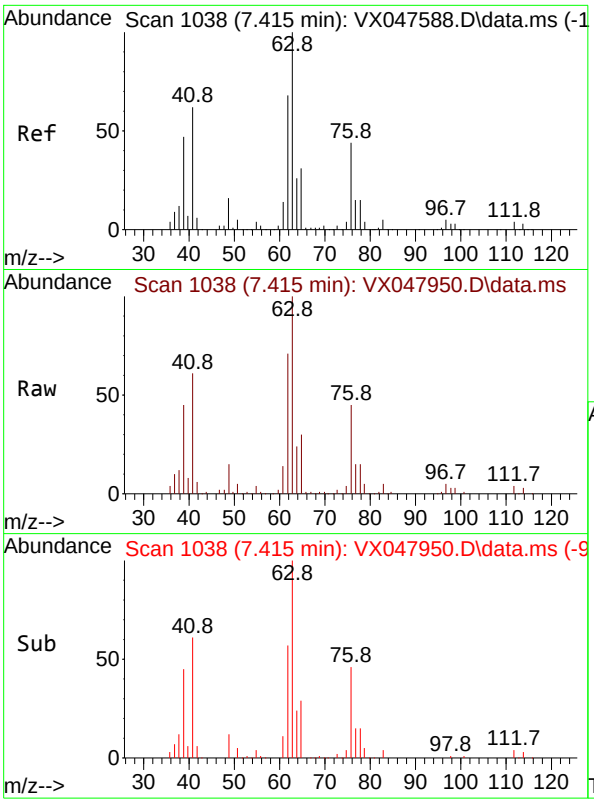


#44
Trichloroethene
Concen: 48.155 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:130 Resp: 82562

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	210.8

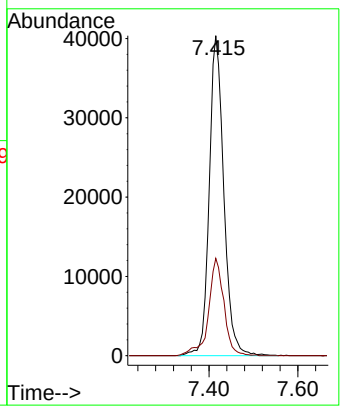




#45
1,2-Dichloropropane
Concen: 50.612 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 63 Resp: 9190

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
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Reviewed By :John Carlone 10/03/2025
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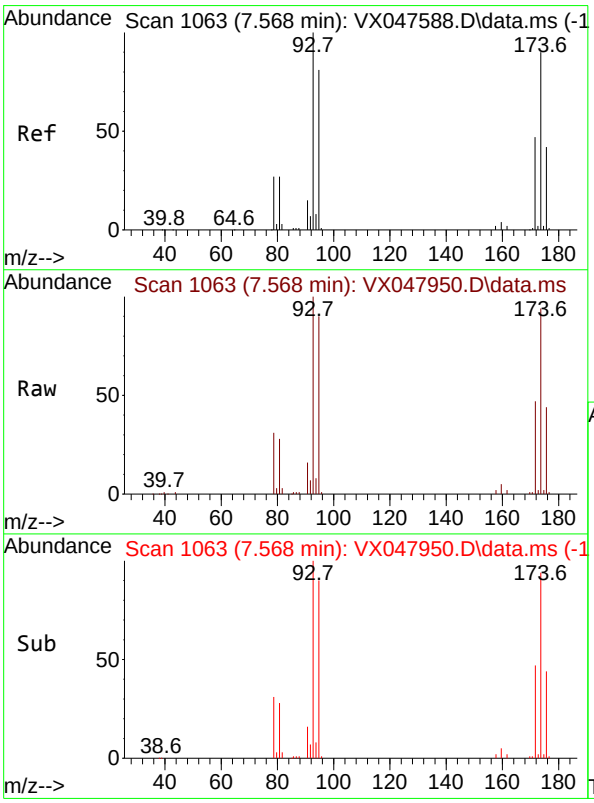
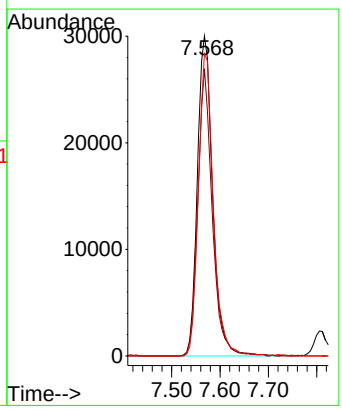
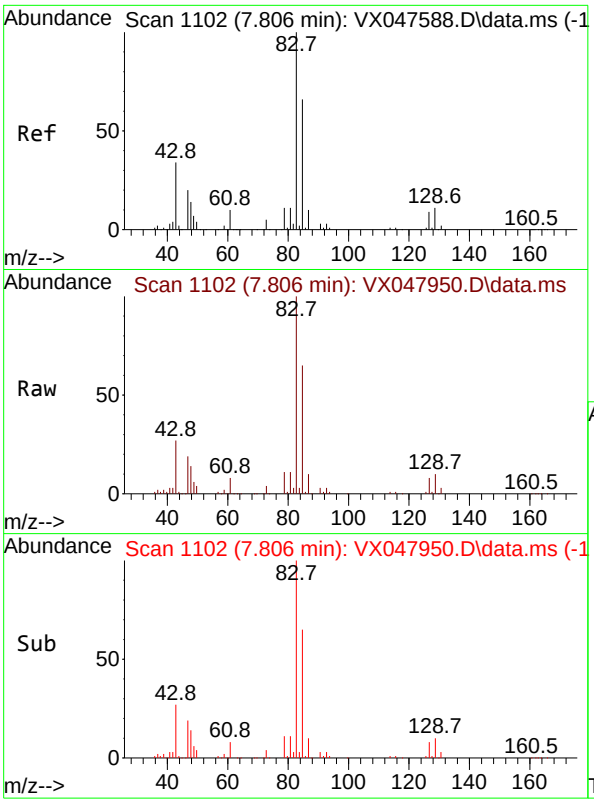


#46
Dibromomethane
Concen: 49.790 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 93 Resp: 65794

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.0	97.6
174	92.7	71.6	107.4

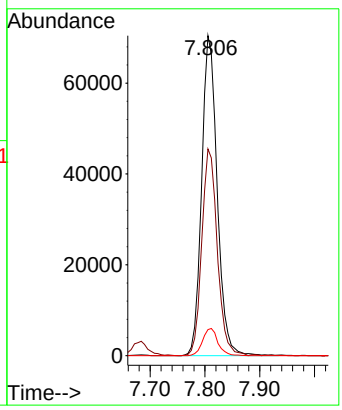




#47
Bromodichloromethane
Concen: 50.871 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 83 Resp: 13871

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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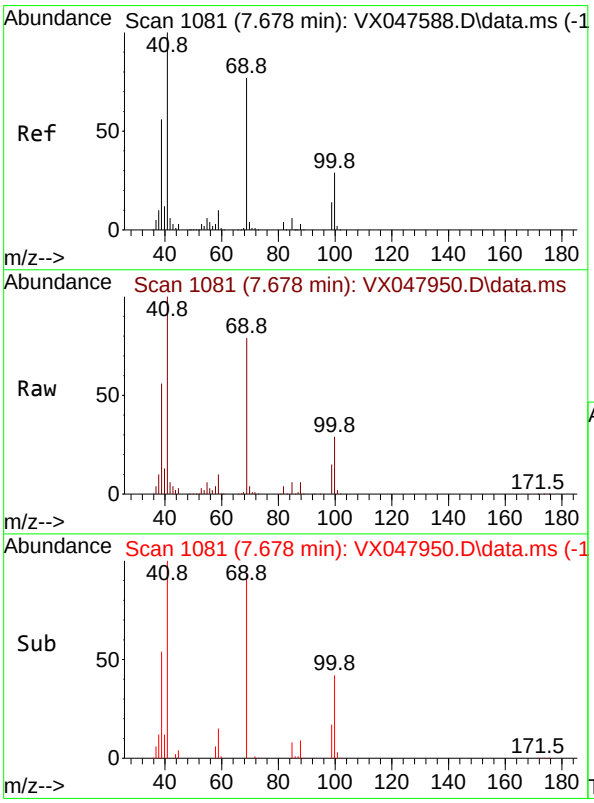
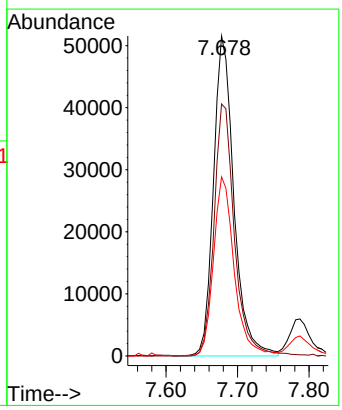
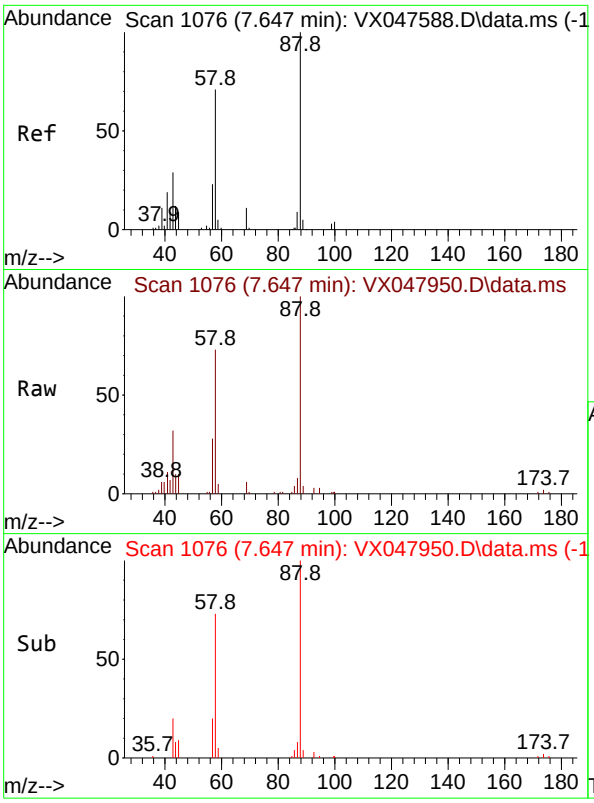


#48
Methyl methacrylate
Concen: 50.081 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 41 Resp: 102283

Ion	Ratio	Lower	Upper
41	100		
69	79.1	61.4	92.2
39	56.7	45.8	68.6





#49
1,4-Dioxane
Concen: 1200.873 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 88 Resp: 2478

Ion	Ratio	Lower	Upper
88	100		
43	38.7	30.2	45.2
58	74.9	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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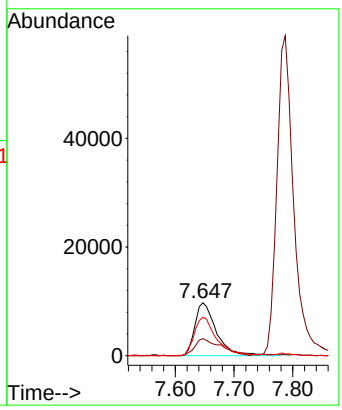
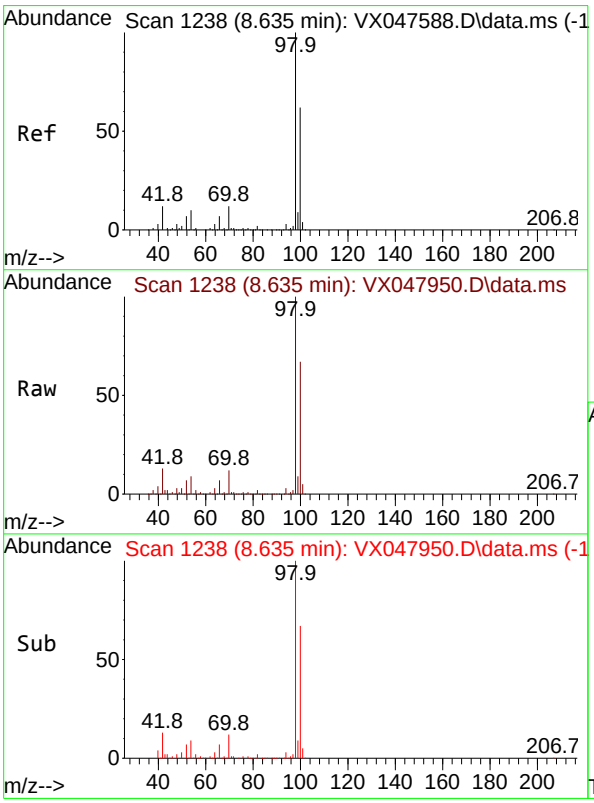
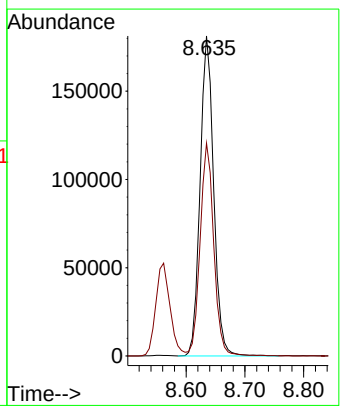


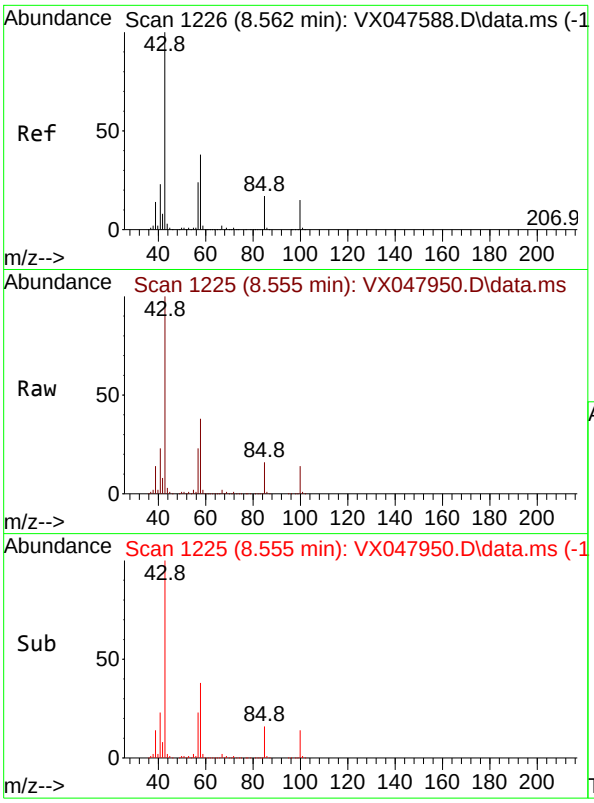


#50
Toluene-d8
Concen: 52.492 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 98 Resp: 290229

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

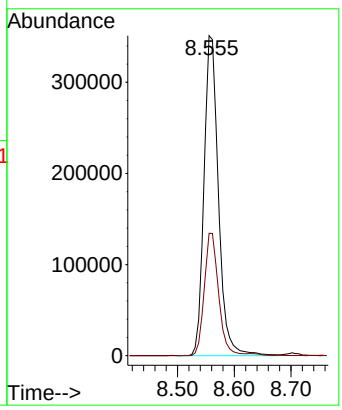




#51
4-Methyl-2-Pentanone
Concen: 272.773 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 62009

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
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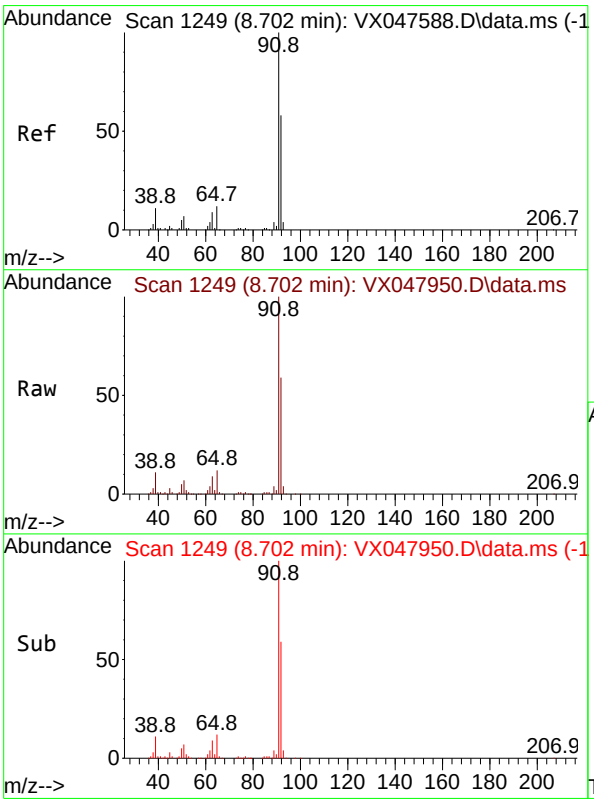
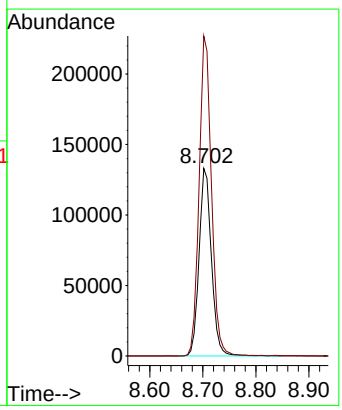
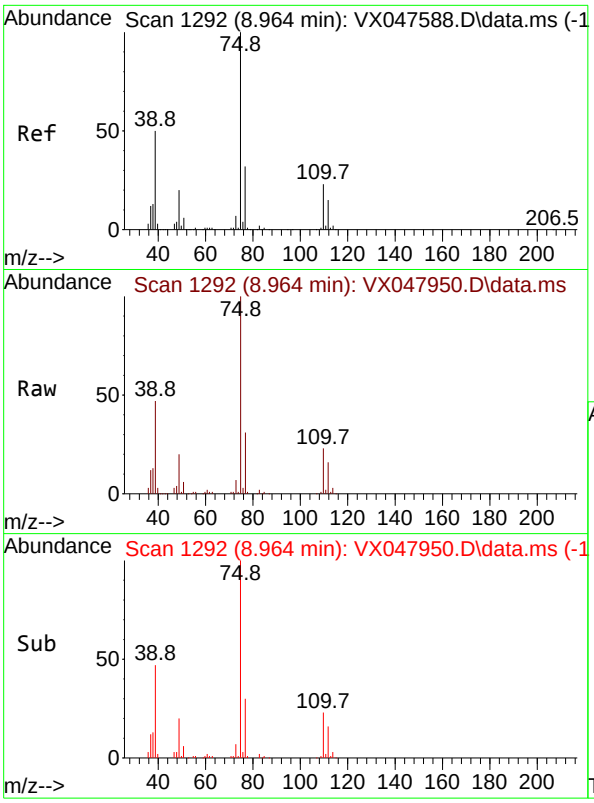


#52
Toluene
Concen: 49.189 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 92 Resp: 214913

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7





#53
t-1,3-Dichloropropene
Concen: 42.865 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 11922

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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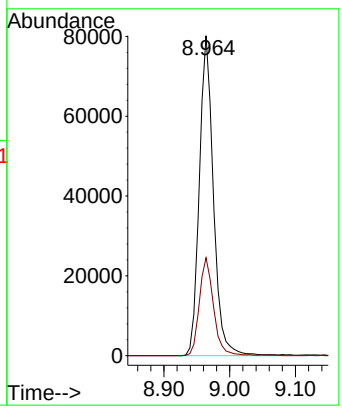
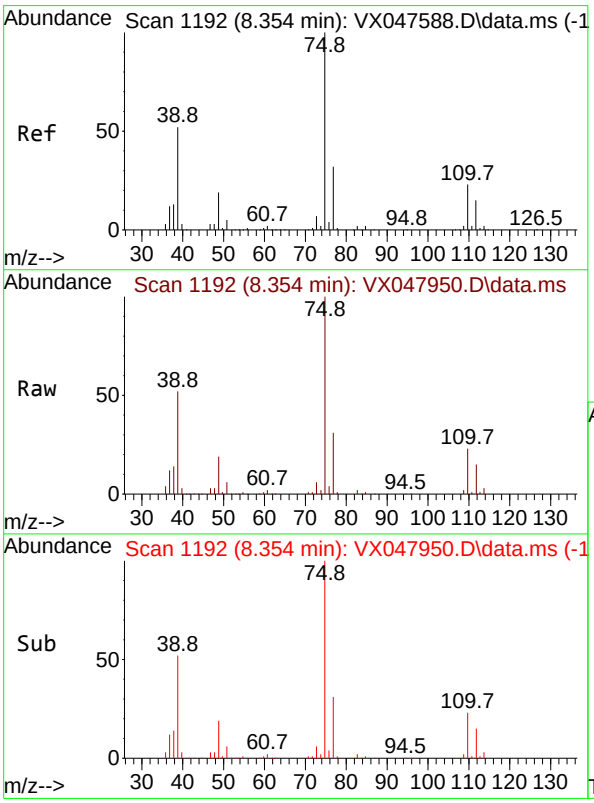
Supervised By :Mahesh Dadoda 10/03/2025

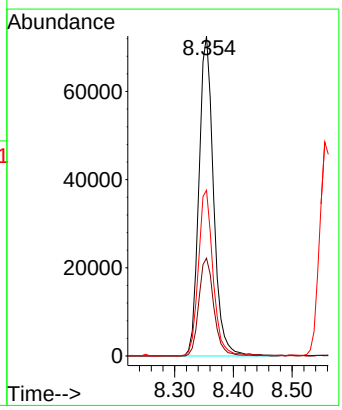


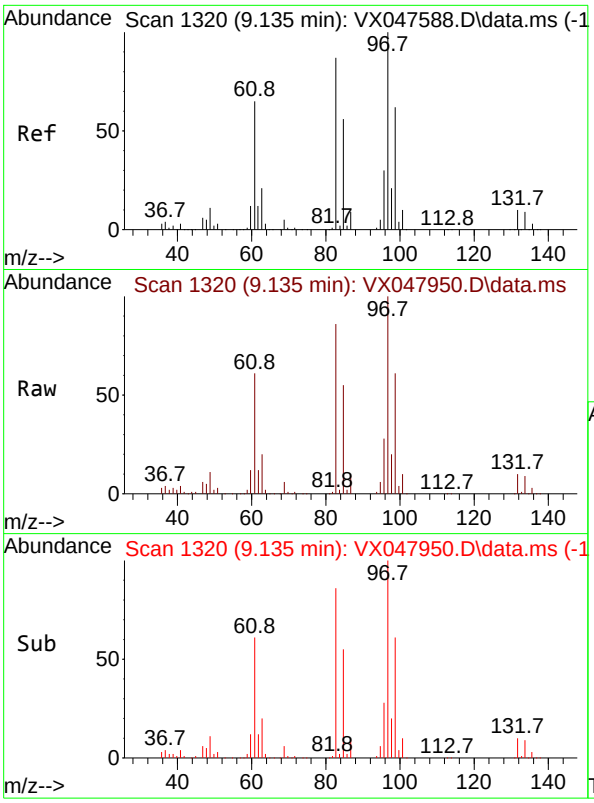


#54
cis-1,3-Dichloropropene
Concen: 42.239 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 125574

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	51.8	41.4	62.2

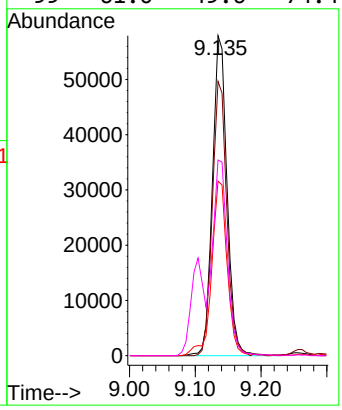




#55
1,1,2-Trichloroethane
Concen: 53.235 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 97 Resp: 8968

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.6	104.4
85	54.6	45.0	67.6
99	61.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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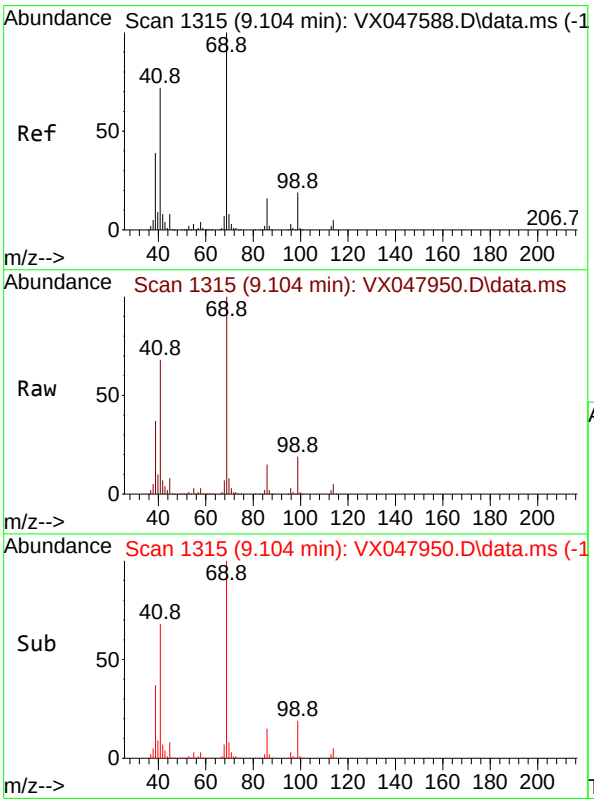
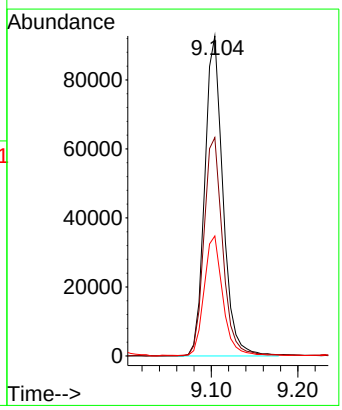
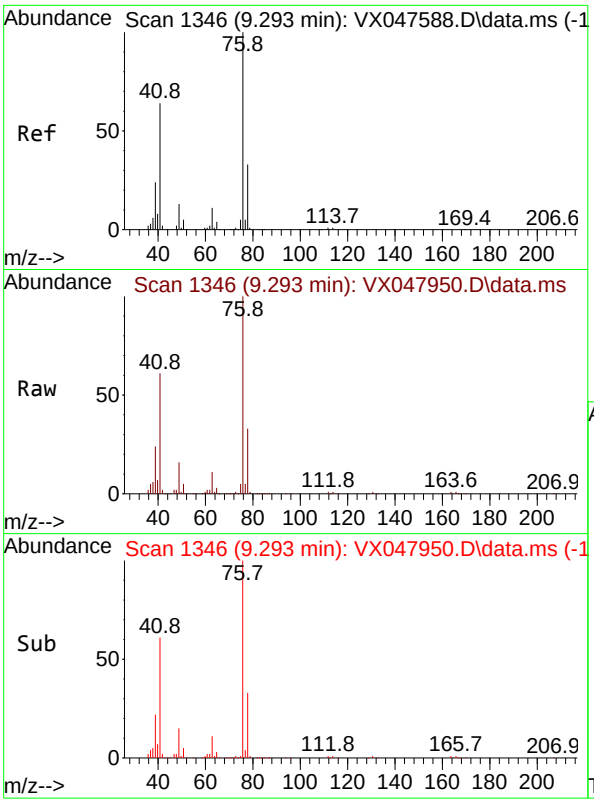


#56
Ethyl methacrylate
Concen: 51.180 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 69 Resp: 135413

Ion	Ratio	Lower	Upper
69	100		
41	71.0	58.6	87.8
39	38.4	31.5	47.3

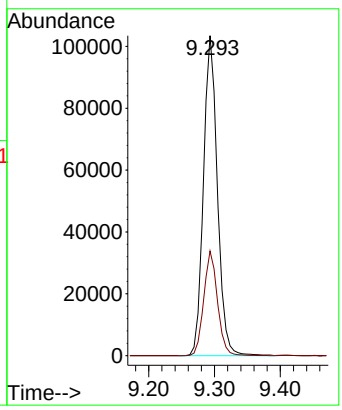




#57
1,3-Dichloropropane
Concen: 52.742 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 76 Resp: 15263

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
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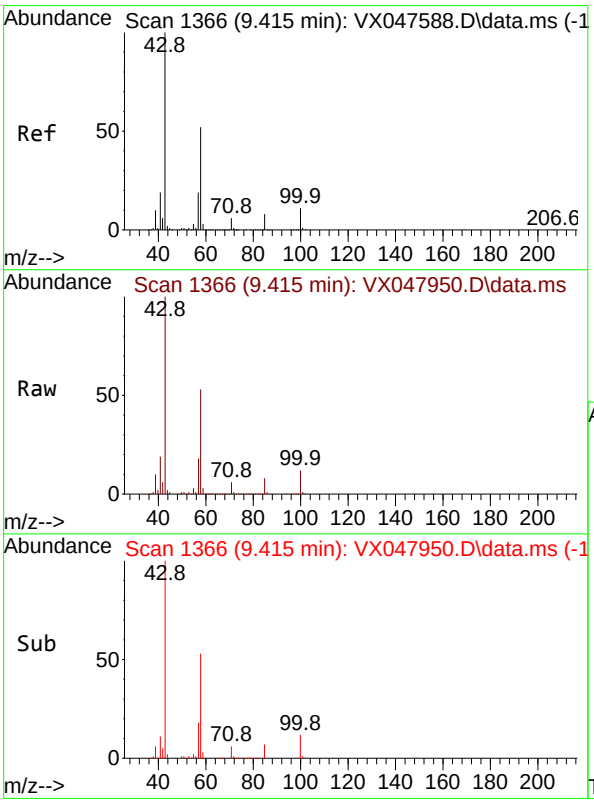
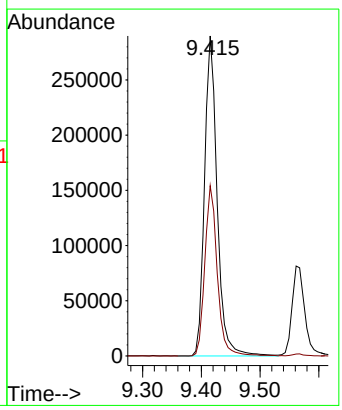
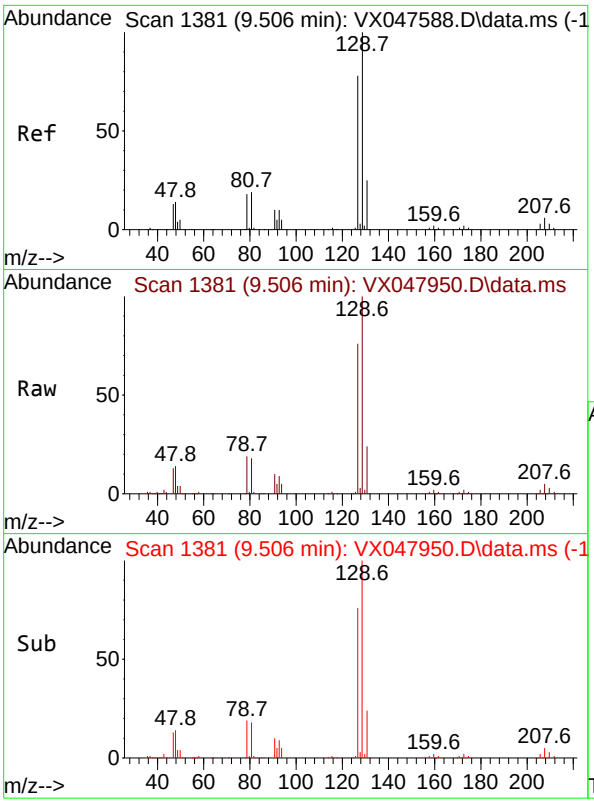


#59
2-Hexanone
Concen: 264.296 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 431515

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2





#60
Dibromochloromethane
Concen: 52.856 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:129 Resp: 10260

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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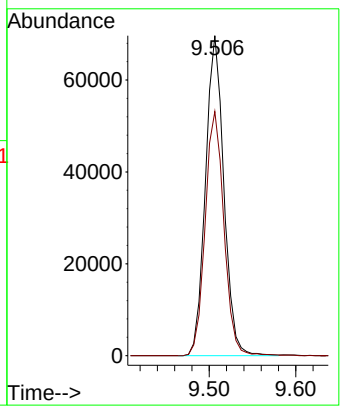
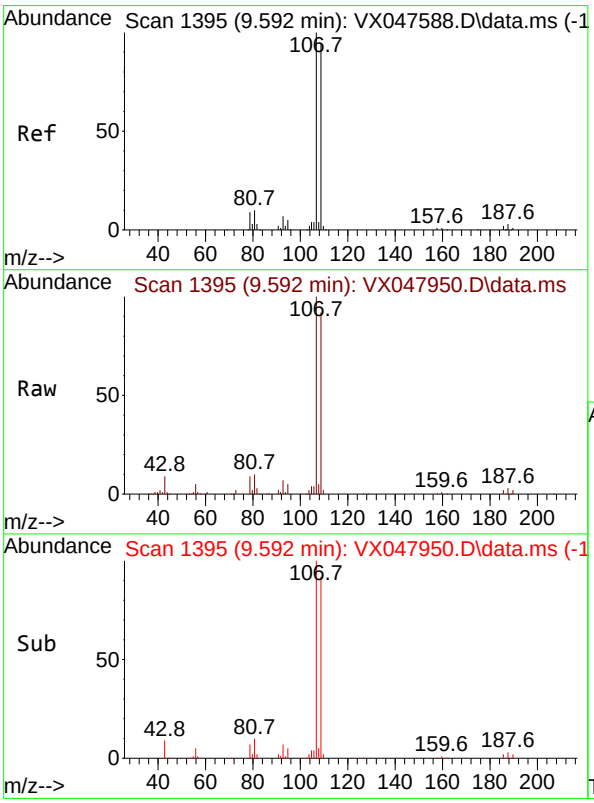
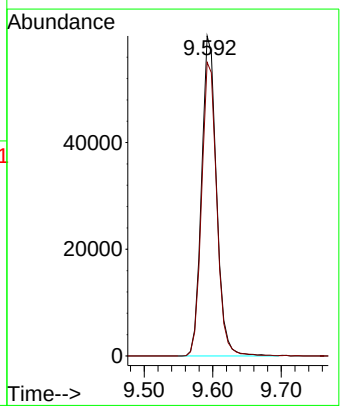


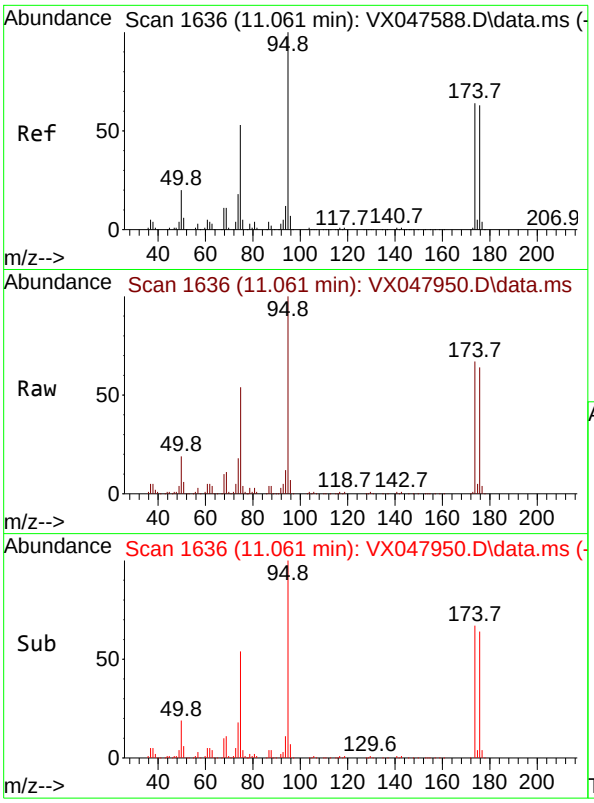


#61
1,2-Dibromoethane
Concen: 53.072 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:107 Resp: 91070

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.3	112.9

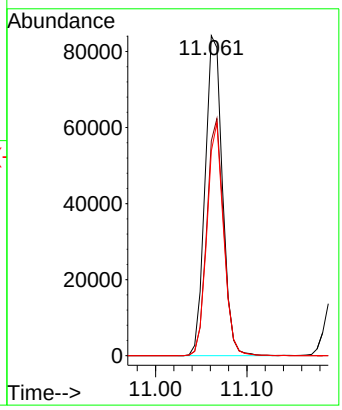




#62
4-Bromofluorobenzene
Concen: 52.601 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 95 Resp: 11037

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	69.8	0.0	138.4



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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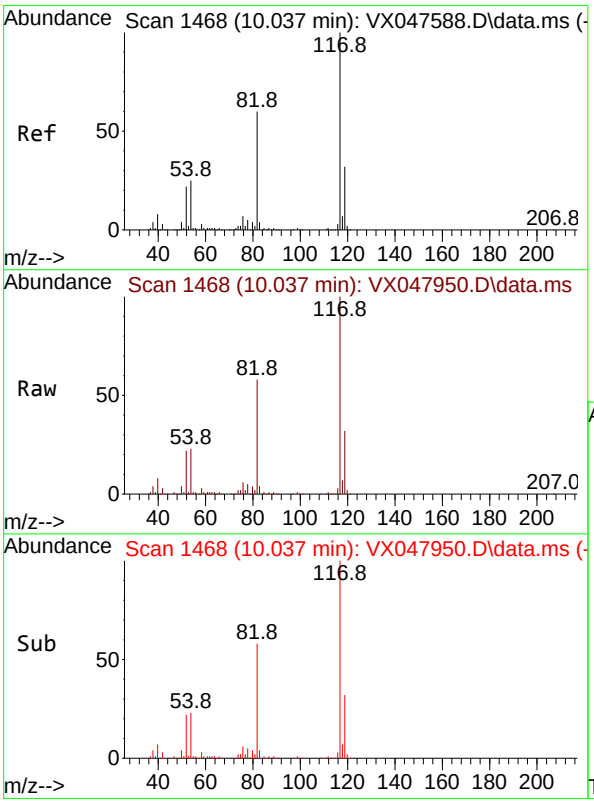
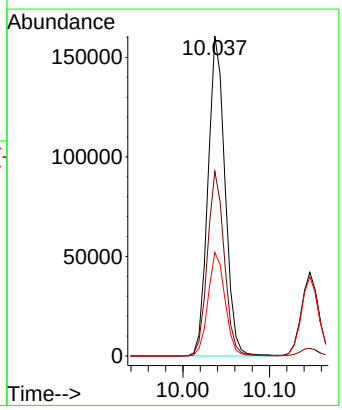
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

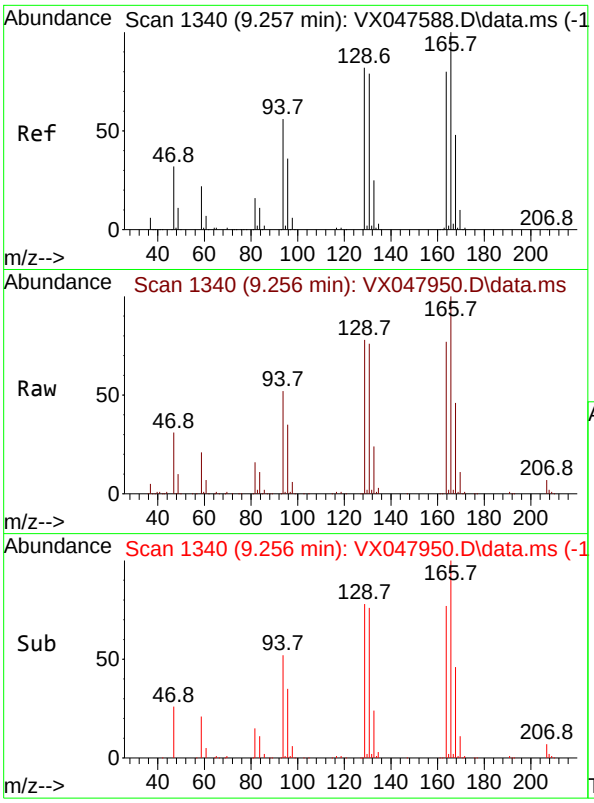


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:117 Resp: 219394

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.3	25.2	37.8

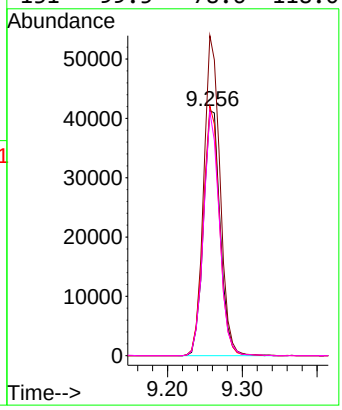




#64
Tetrachloroethene
Concen: 44.674 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:164 Resp: 6389

Ion	Ratio	Lower	Upper
164	100		
166	130.6	100.2	150.2
129	101.8	81.8	122.6
131	99.5	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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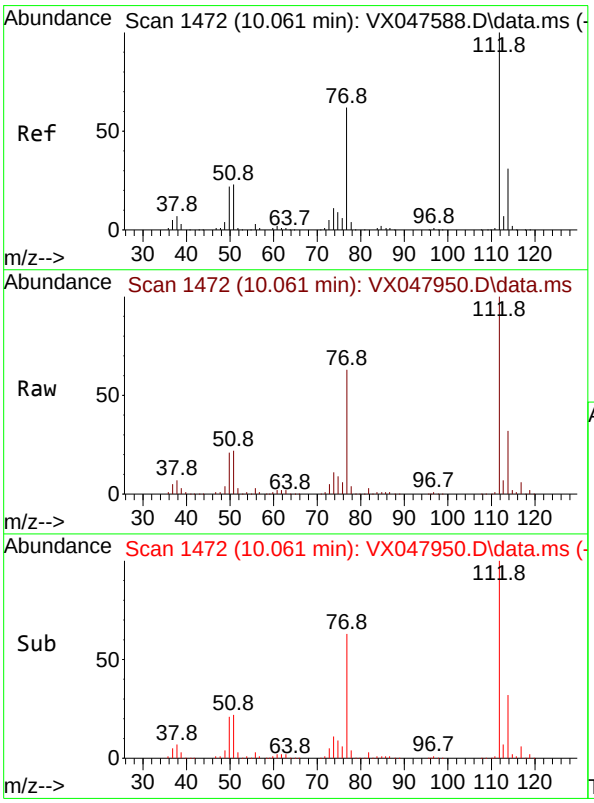
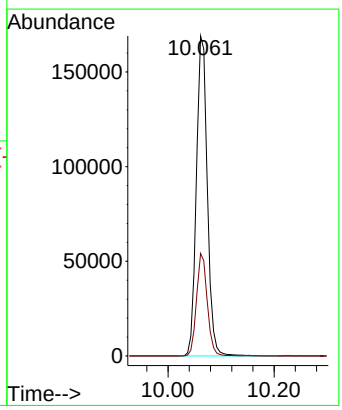
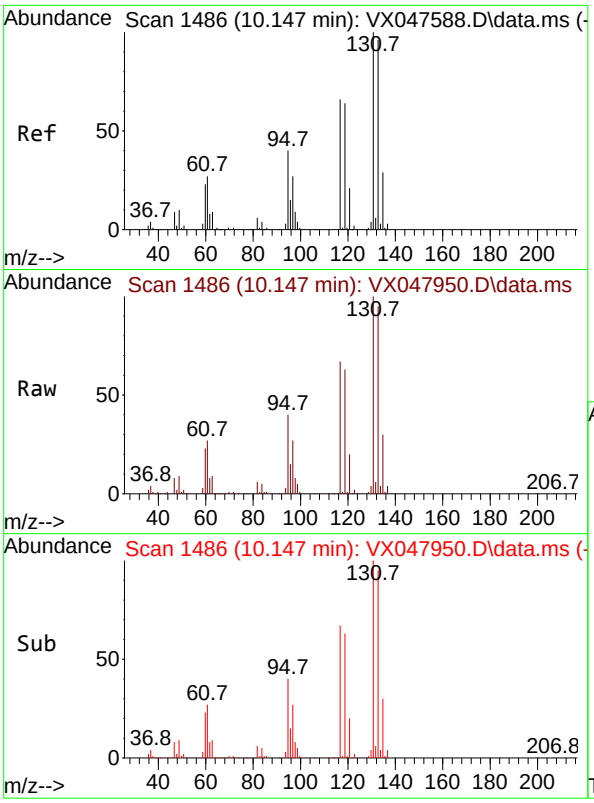


#65
Chlorobenzene
Concen: 48.409 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:112 Resp: 241281

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 50.052 ug/l
RT: 10.147 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:131 Resp: 8608

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	142.0
119	64.3	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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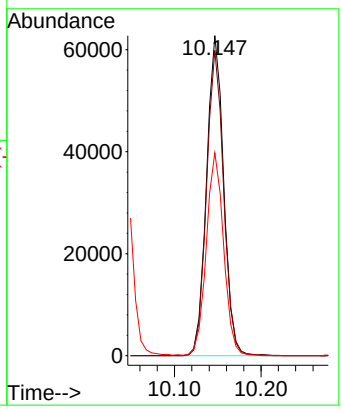
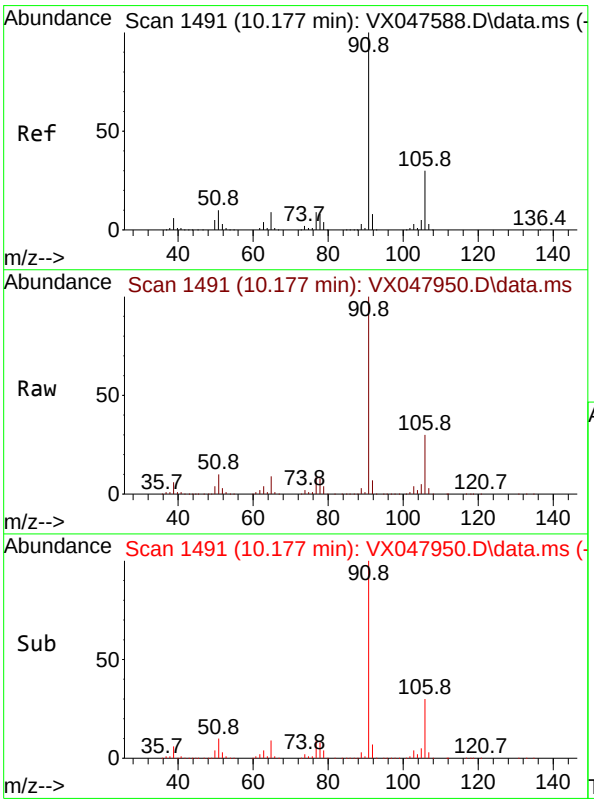
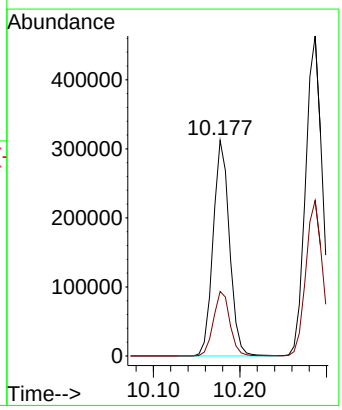


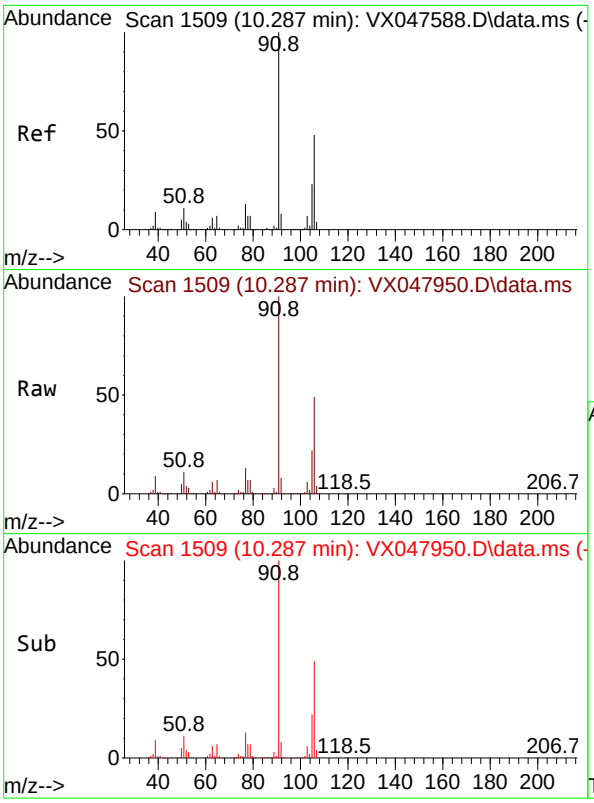


#67
Ethyl Benzene
Concen: 47.549 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 408915

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5





#68
m/p-Xylenes
Concen: 95.548 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:106 Resp: 30584

Ion	Ratio	Lower	Upper
106	100		
91	205.7	167.8	251.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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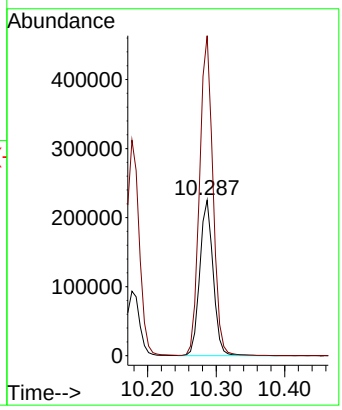
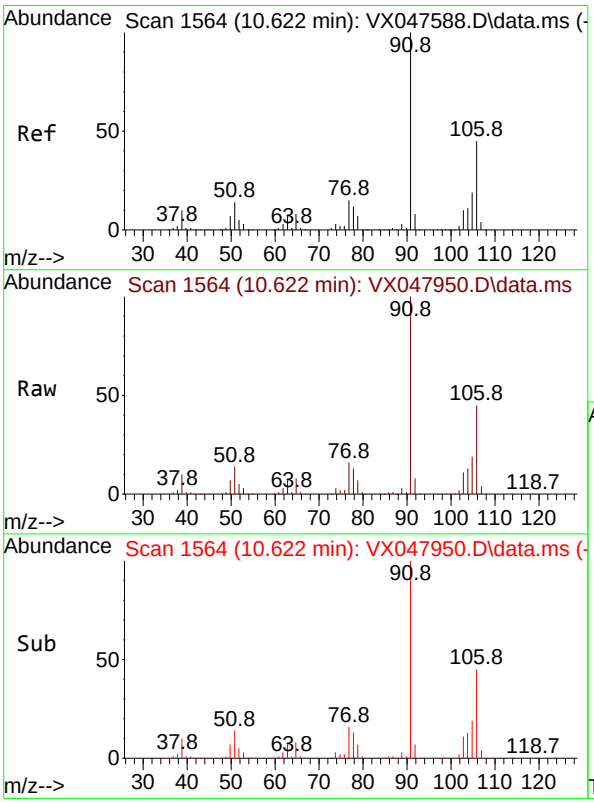
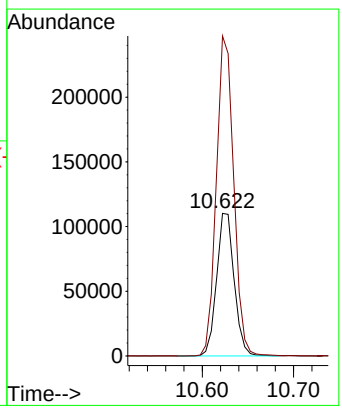


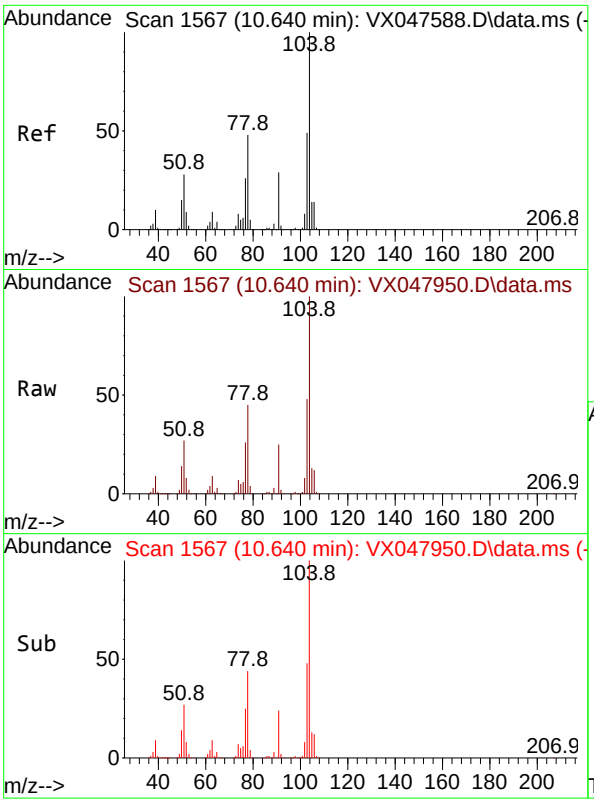


#69
o-Xylene
Concen: 47.620 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:106 Resp: 147434

Ion	Ratio	Lower	Upper
106	100		
91	222.2	111.1	333.4





#70
Styrene
Concen: 48.612 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:104 Resp: 26371

Ion	Ratio	Lower	Upper
104	100		
78	52.3	43.1	64.7
103	53.5	43.1	64.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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Reviewed By :John Carlone 10/03/2025
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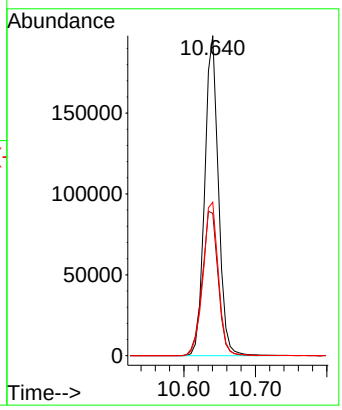
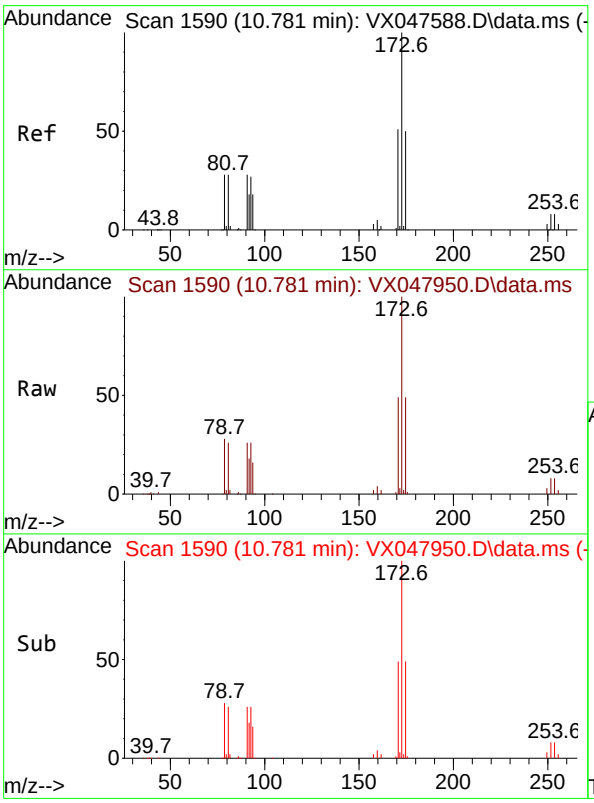
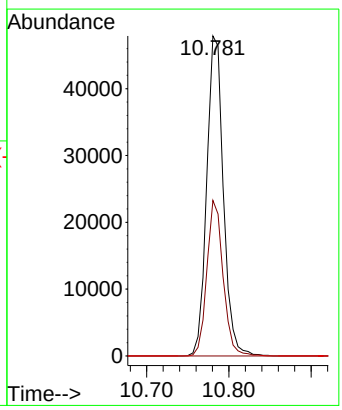


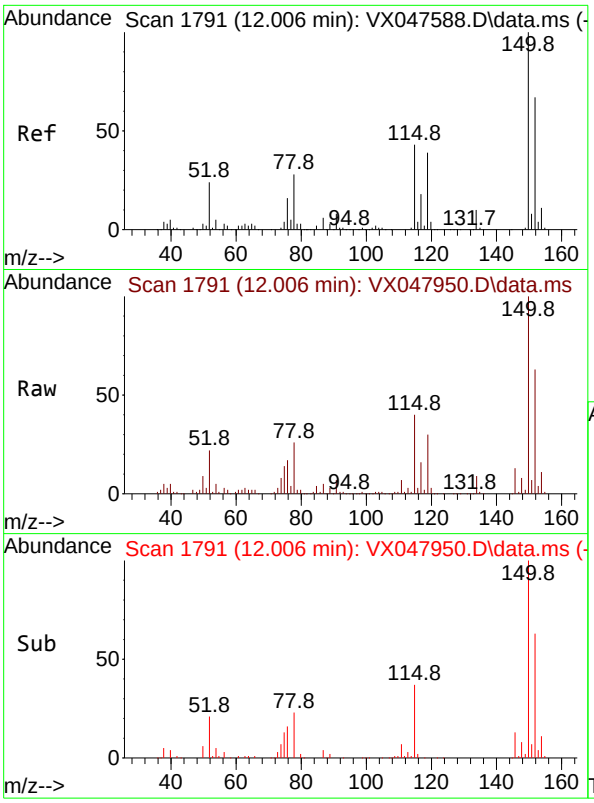


#71
Bromoform
Concen: 52.294 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:173 Resp: 67158

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1#

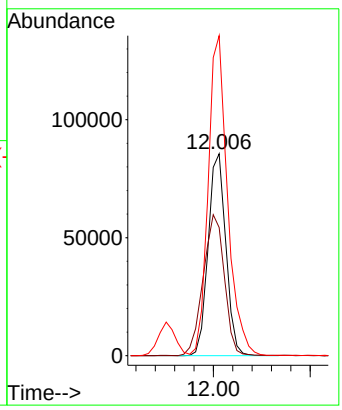




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:152 Resp: 10902

Ion	Ratio	Lower	Upper
152	100		
115	83.7	44.9	134.5
150	172.2	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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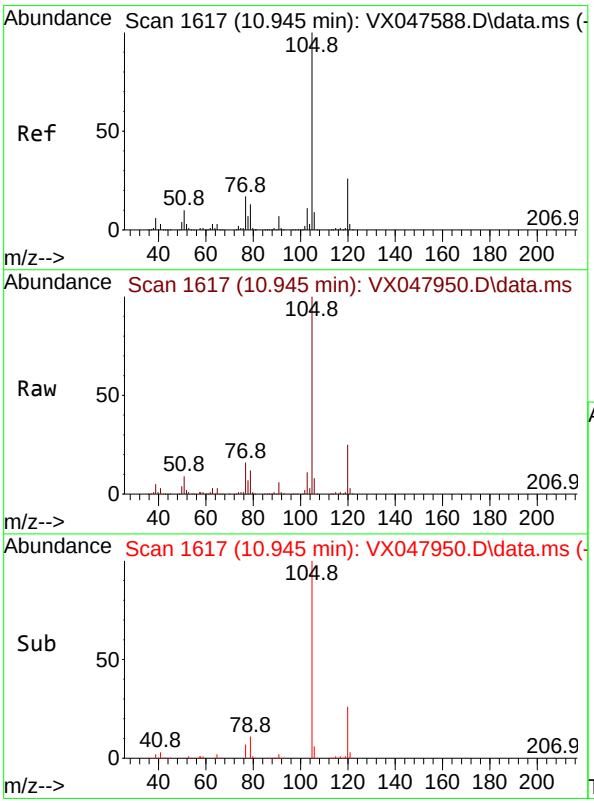
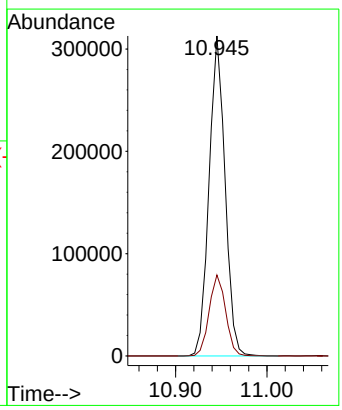
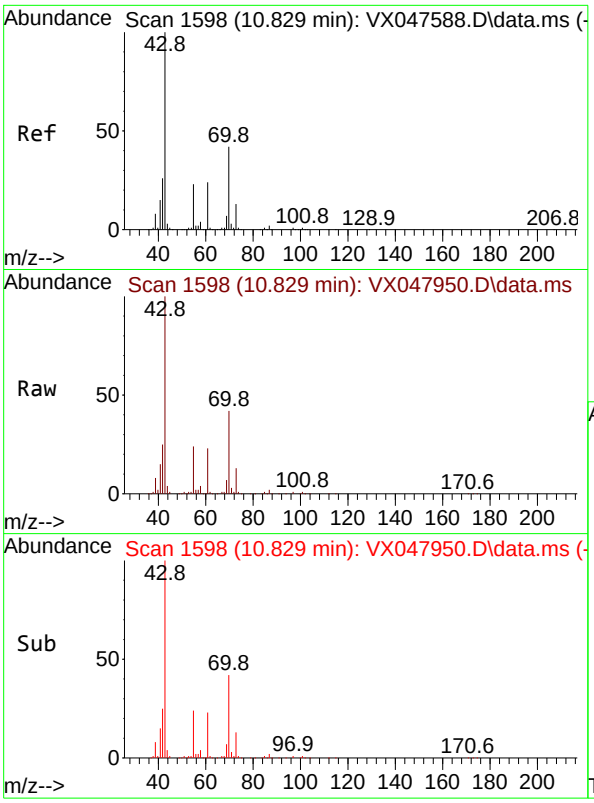


#73
Isopropylbenzene
Concen: 45.680 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:105 Resp: 378611

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

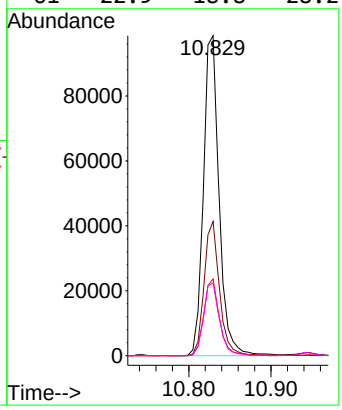




#74
N-amyl acetate
Concen: 34.536 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 13053

Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.0	48.0
55	24.2	18.9	28.3
61	22.9	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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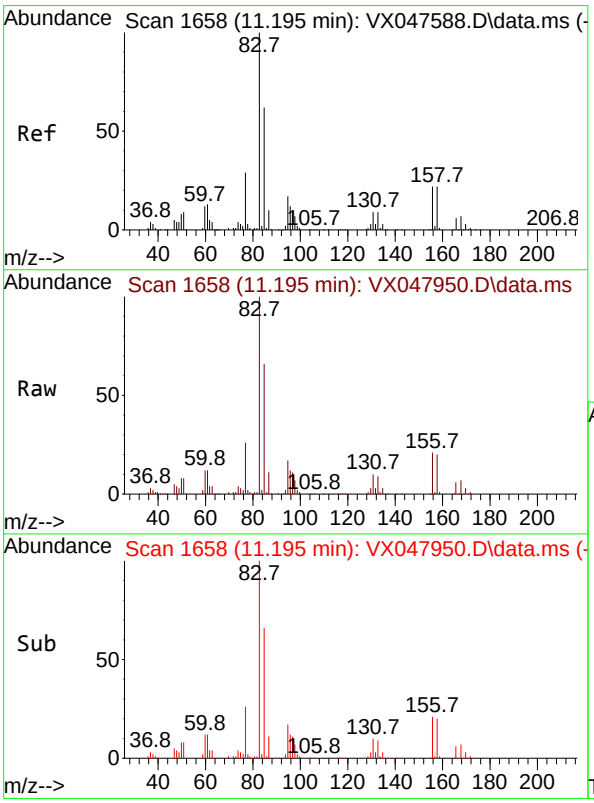
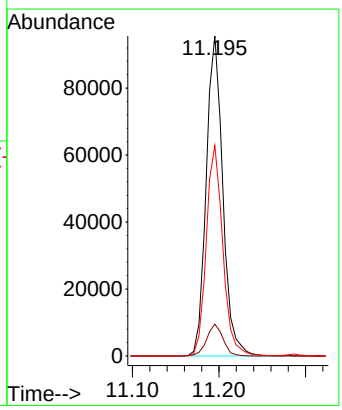
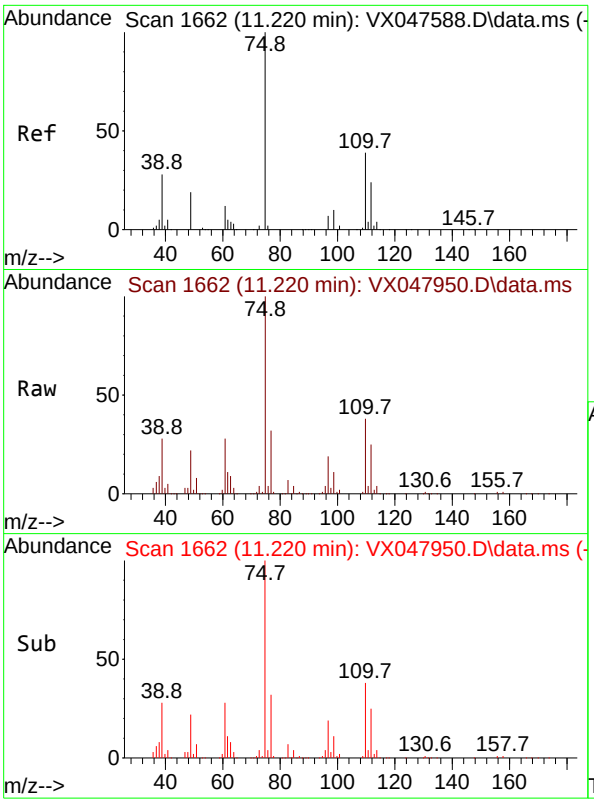


#75
1,1,2,2-Tetrachloroethane
Concen: 50.725 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 83 Resp: 127200

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.5	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 49.851 ug/l m
RT: 11.220 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 11003

Ion	Ratio	Lower	Upper
75	100		
77	36.0	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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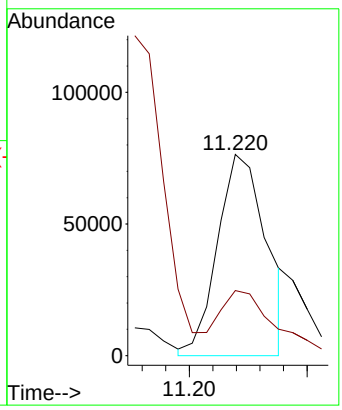
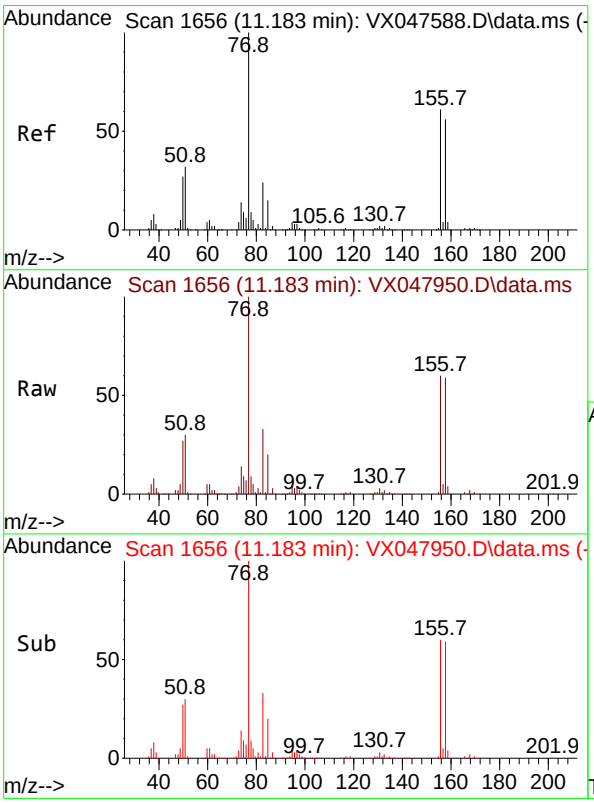
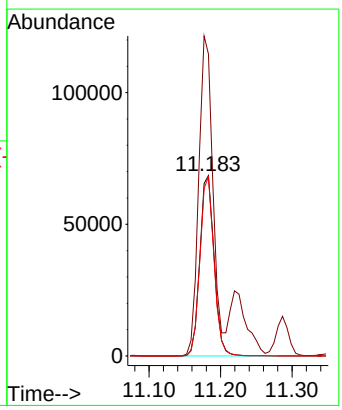


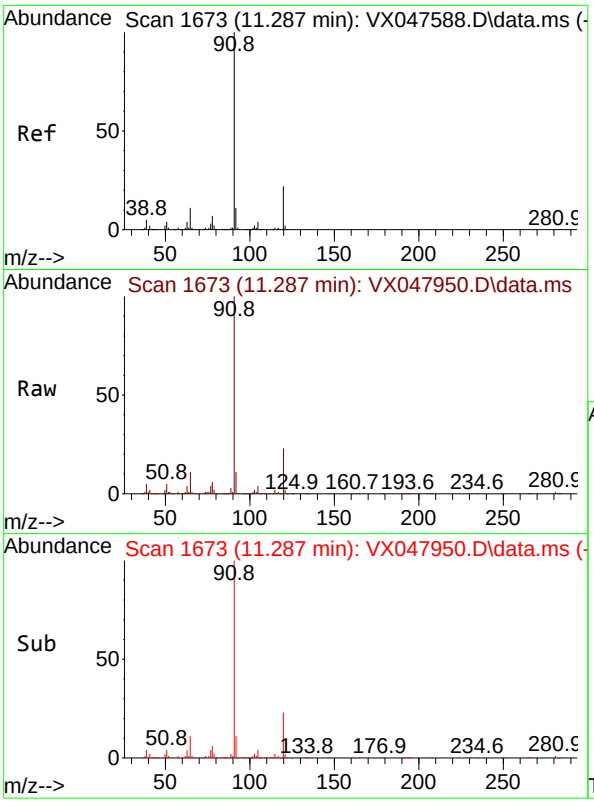


#77
Bromobenzene
Concen: 46.539 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:156 Resp: 95003

Ion	Ratio	Lower	Upper
156	100		
77	173.5	89.7	269.1
158	97.6	47.9	143.6





#78
n-propylbenzene
Concen: 45.255 ug/l
RT: 11.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 44340

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

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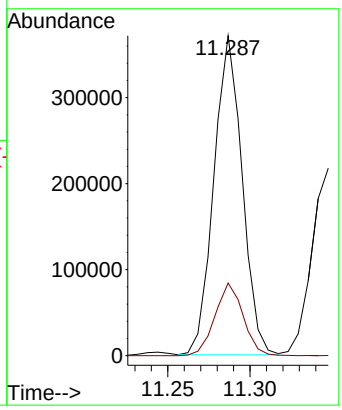
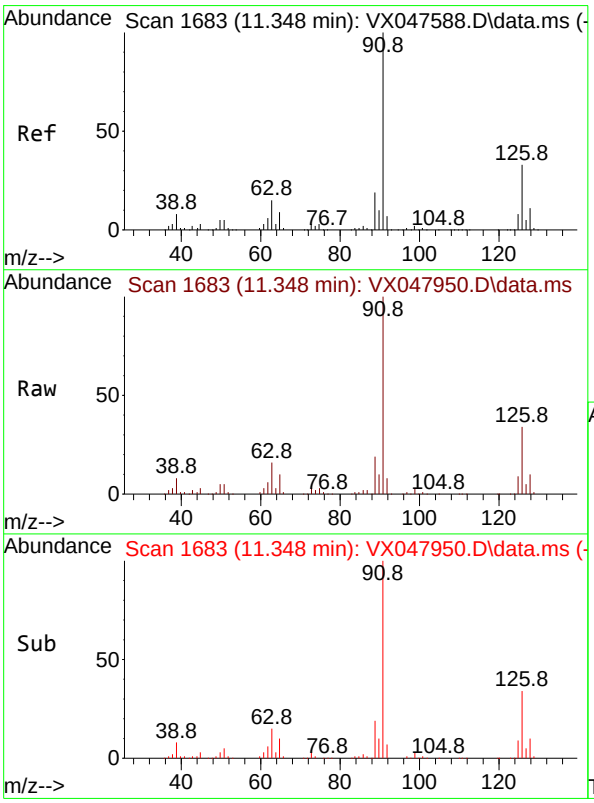
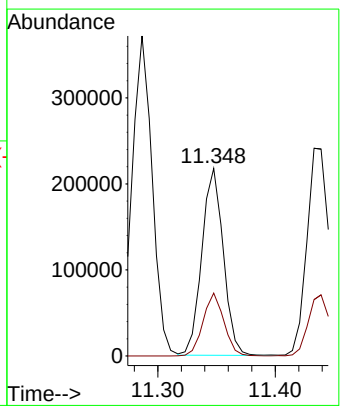


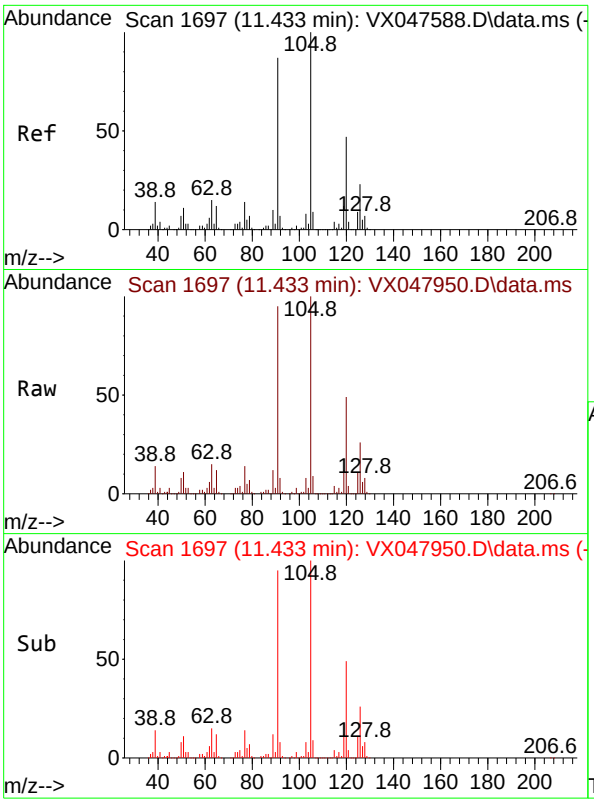


#79
2-Chlorotoluene
Concen: 45.910 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 275505

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3





#80
1,3,5-Trimethylbenzene
Concen: 45.705 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:105 Resp: 31123

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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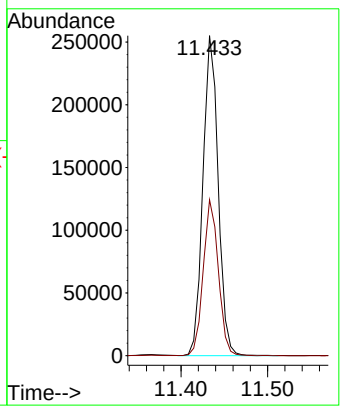
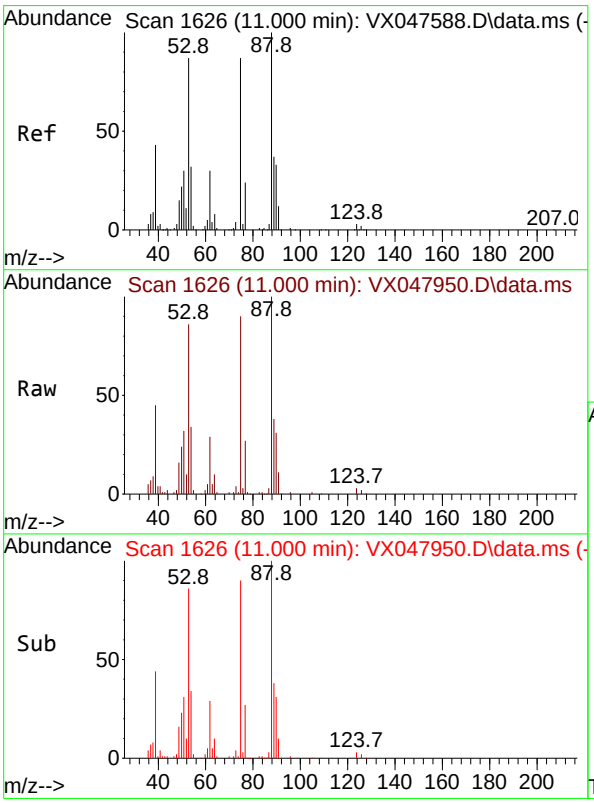
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

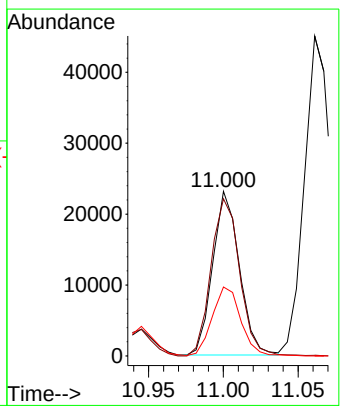


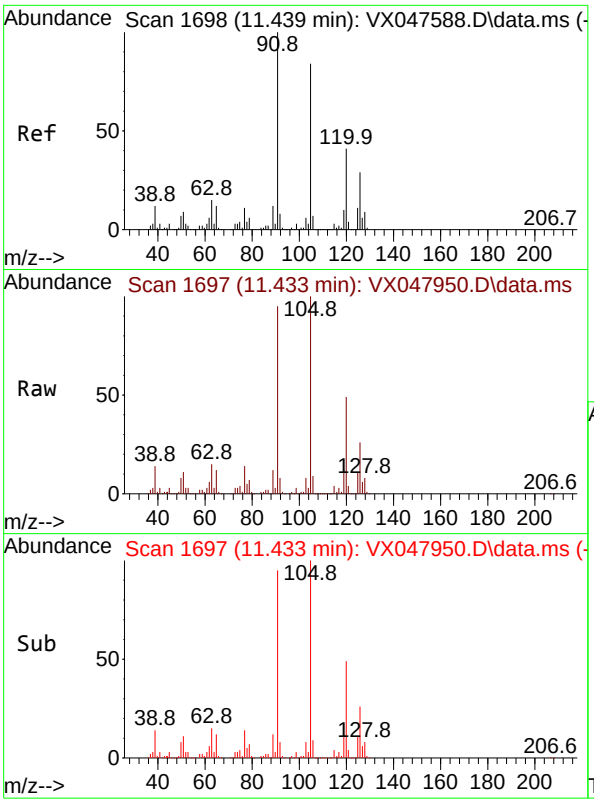


#81
trans-1,4-Dichloro-2-butene
Concen: 33.095 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 28646

Ion	Ratio	Lower	Upper
75	100		
53	103.3	83.4	125.2
89	45.2	36.3	54.5





#82
4-Chlorotoluene
Concen: 45.720 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 32404

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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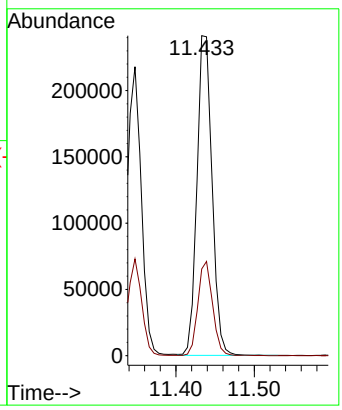
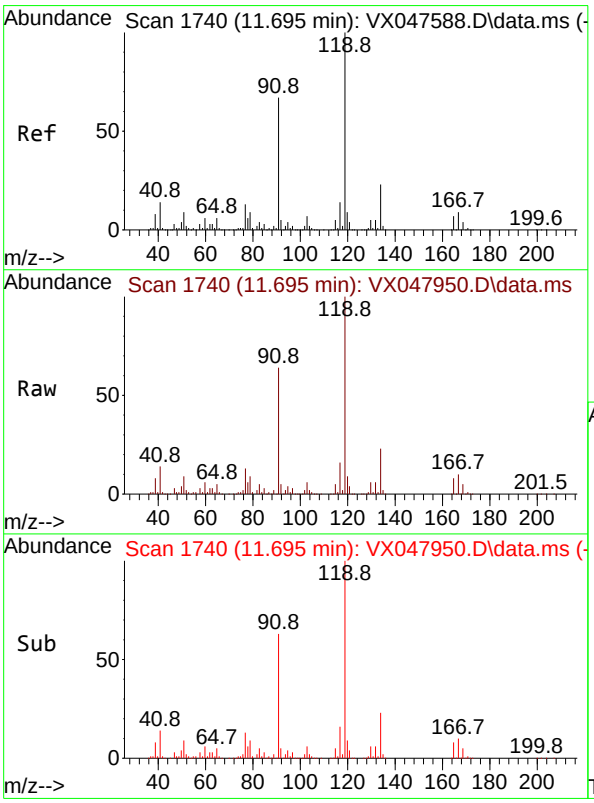
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

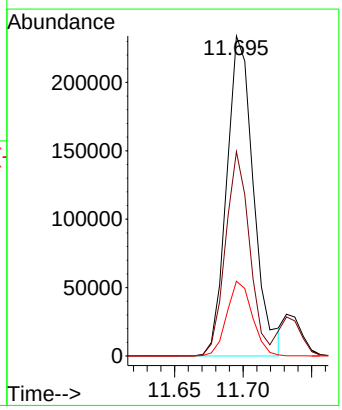


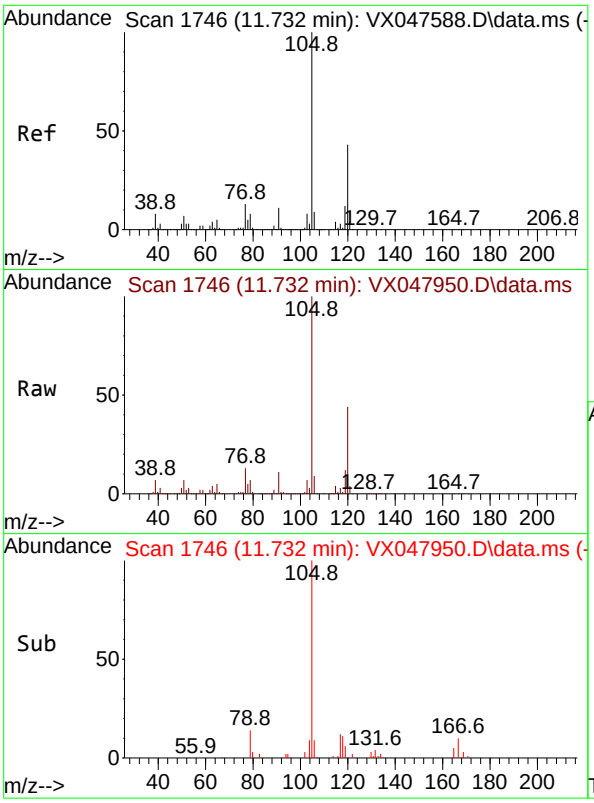


#83
tert-Butylbenzene
Concen: 45.788 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:119 Resp: 319186

Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.6	88.8
134	22.2	11.0	33.0

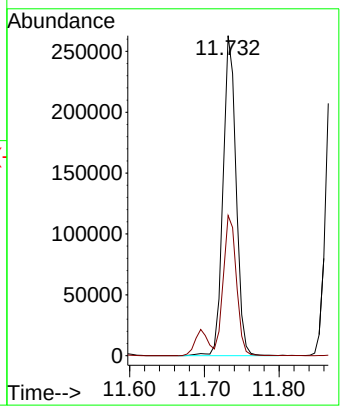




#84
1,2,4-Trimethylbenzene
Concen: 46.098 ug/l
RT: 11.732 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:105 Resp: 31825

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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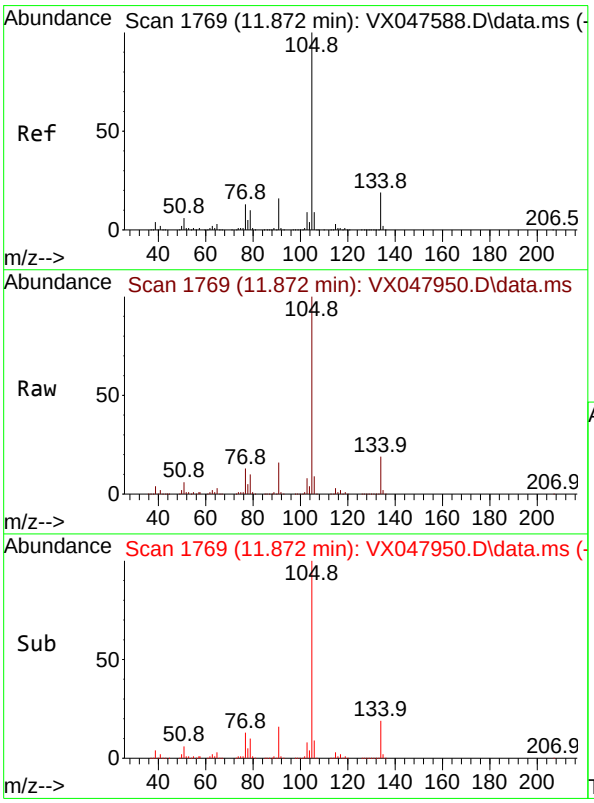
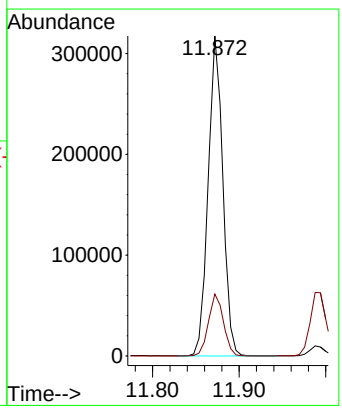
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

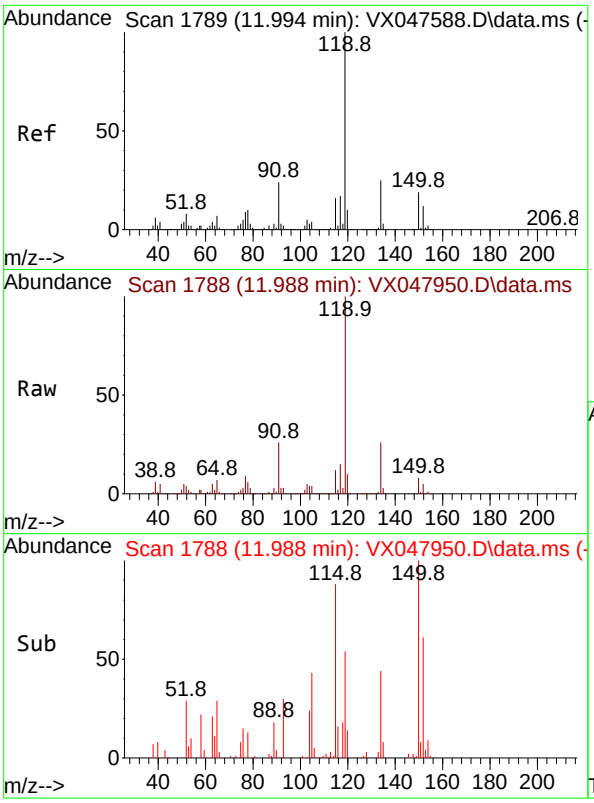


#85
sec-Butylbenzene
Concen: 45.080 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:105 Resp: 373260

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5





#86
p-Isopropyltoluene
Concen: 44.466 ug/l
RT: 11.988 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:119 Resp: 31170

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.1	12.6	37.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
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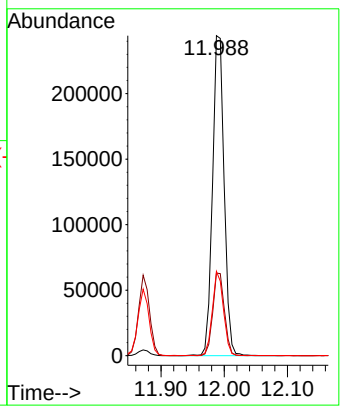
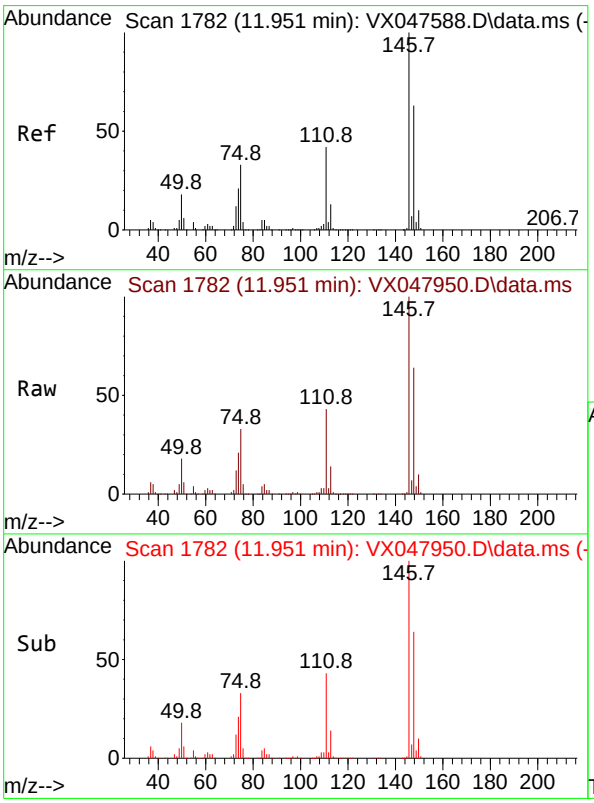
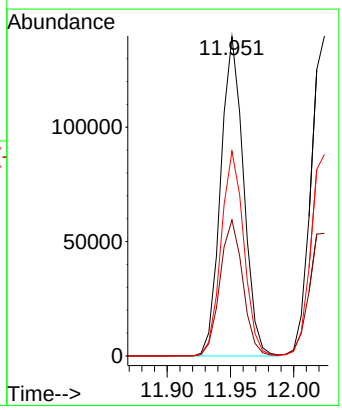


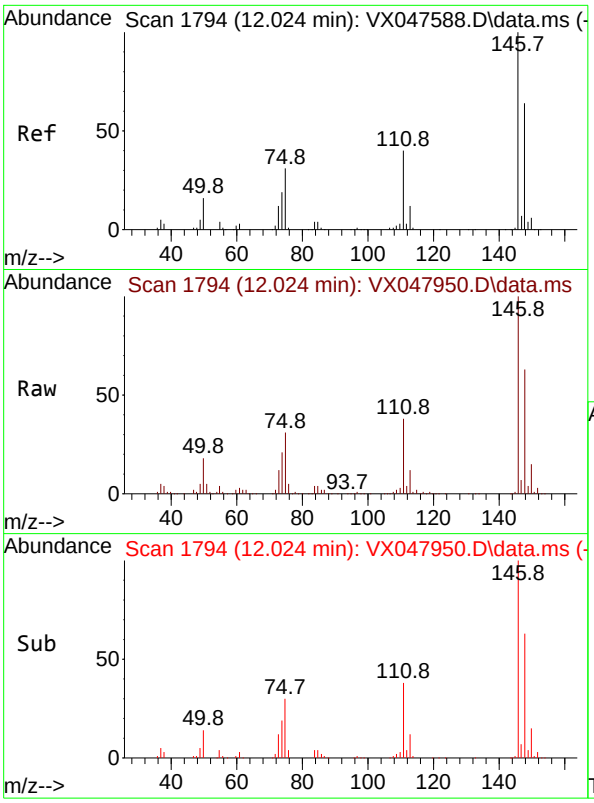


#87
1,3-Dichlorobenzene
Concen: 46.142 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:146 Resp: 174955

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.8	32.0	96.0





#88
1,4-Dichlorobenzene
Concen: 45.310 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:146 Resp: 17632

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	64.7	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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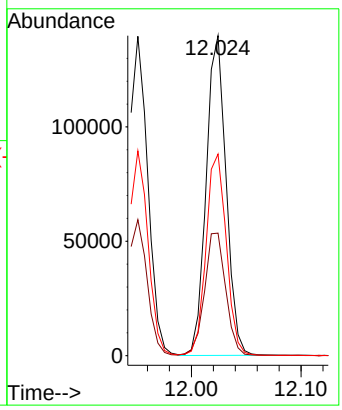
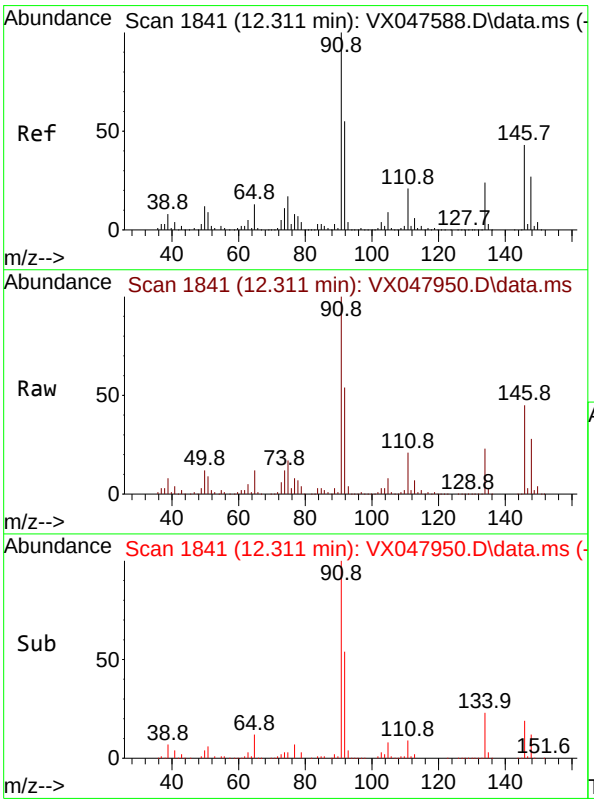
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

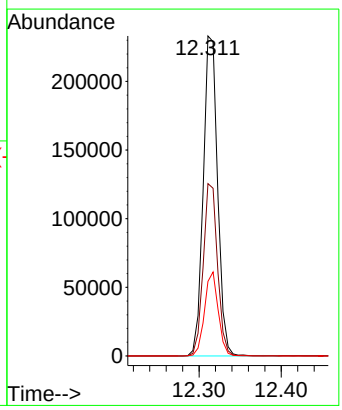


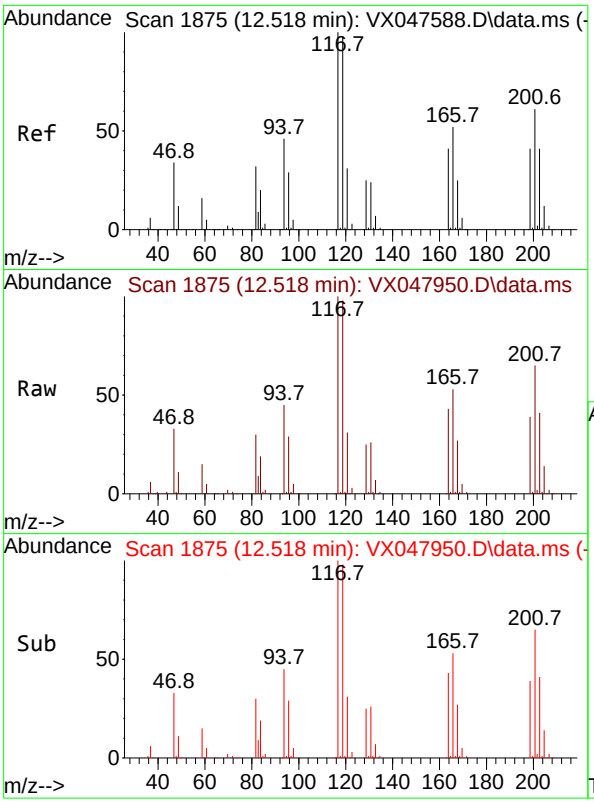


#89
n-Butylbenzene
Concen: 43.574 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 282629

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	25.0	12.6	37.8





#90
Hexachloroethane
Concen: 47.073 ug/l
RT: 12.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:117 Resp: 5793

Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.2	102.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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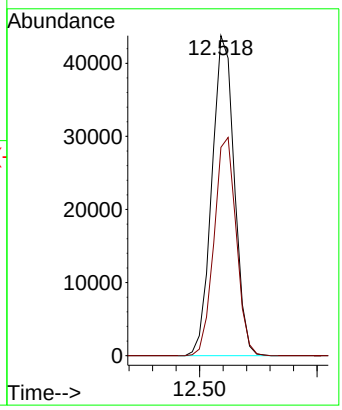
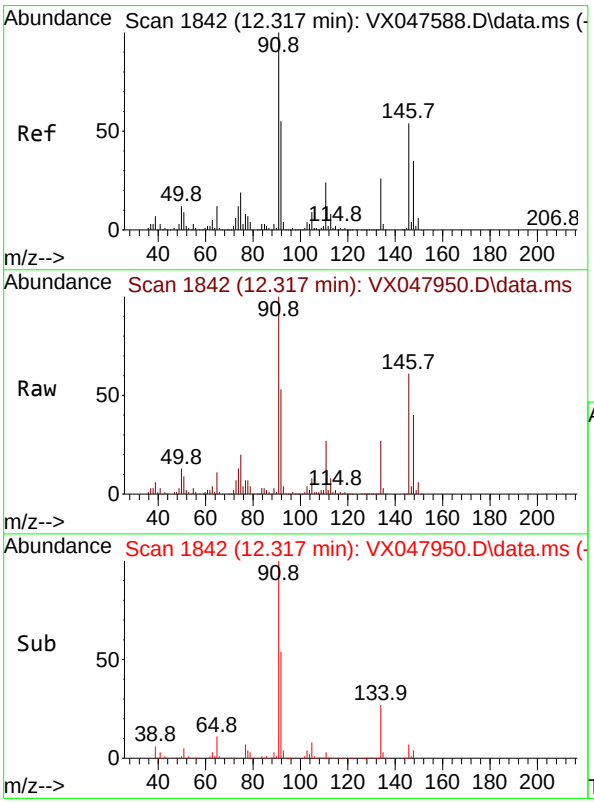
Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

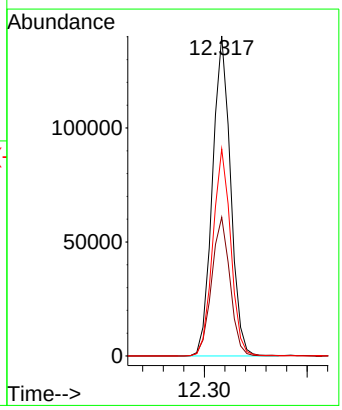


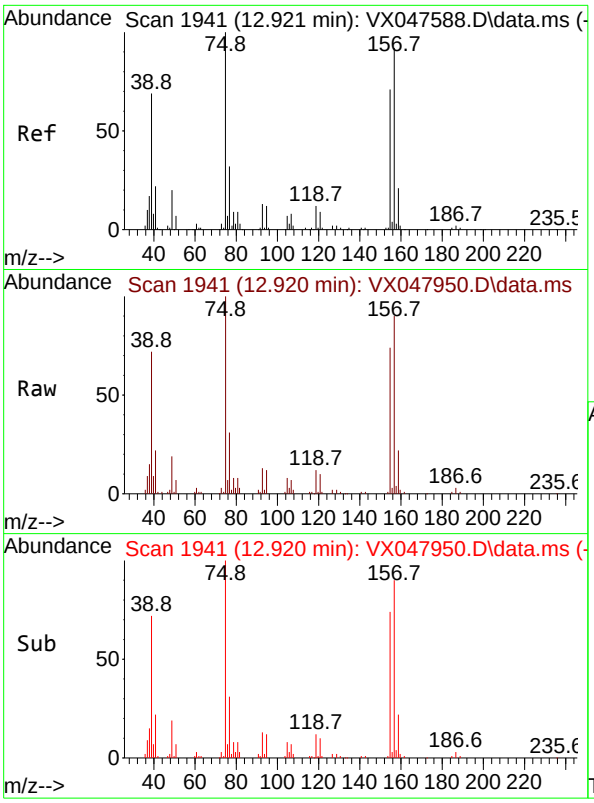


#91
1,2-Dichlorobenzene
Concen: 47.410 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:146 Resp: 171262

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	64.3	31.8	95.4

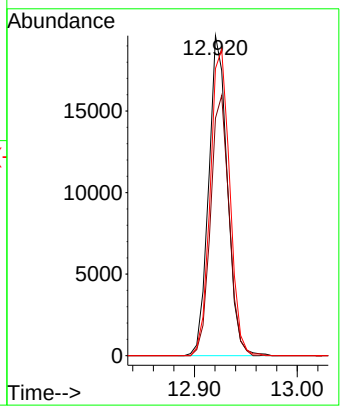




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.944 ug/l
RT: 12.920 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 2484

Ion	Ratio	Lower	Upper
75	100		
155	80.5	37.7	113.1
157	99.4	49.8	149.4



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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Reviewed By :John Carlone 10/03/2025
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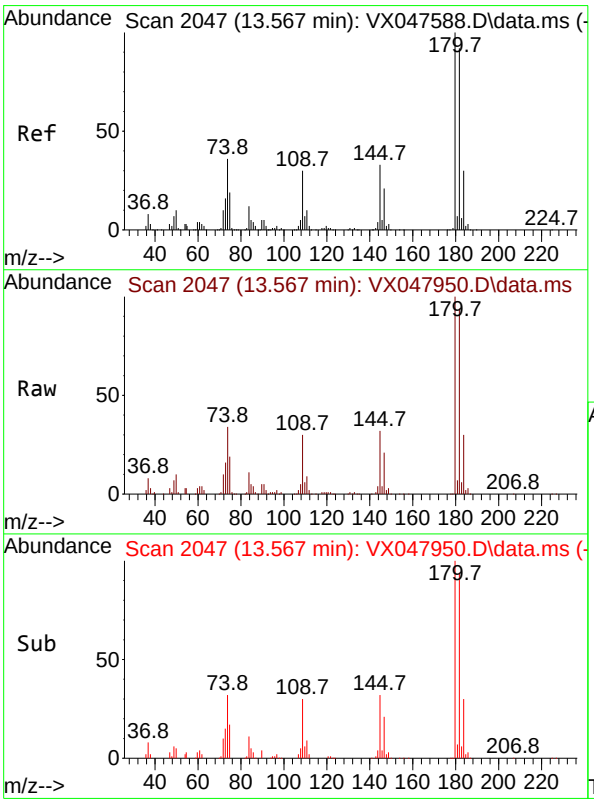
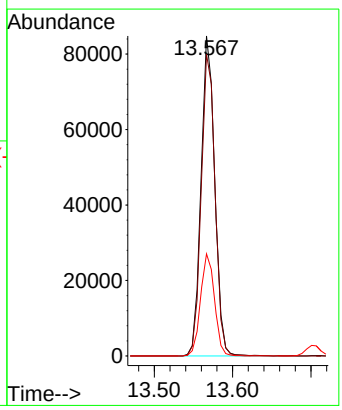
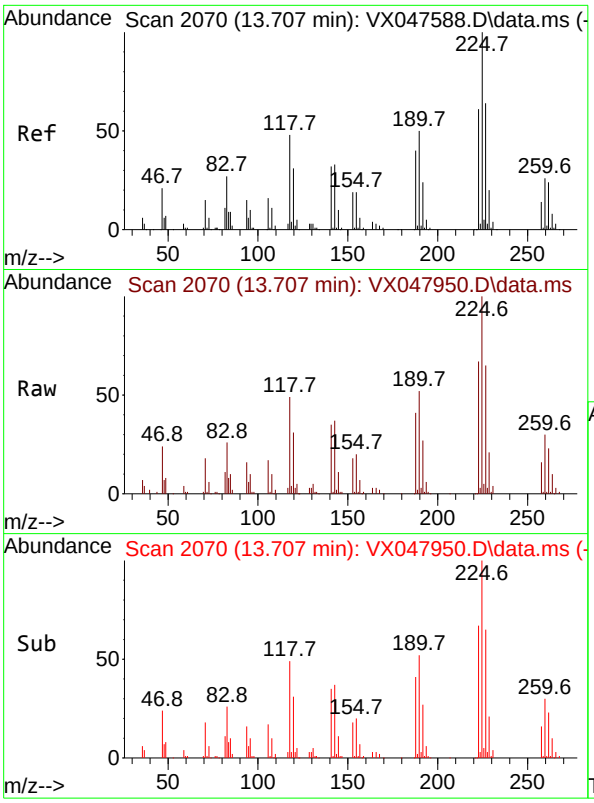


#93
1,2,4-Trichlorobenzene
Concen: 43.739 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:180 Resp: 102687

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	32.5	16.4	49.1

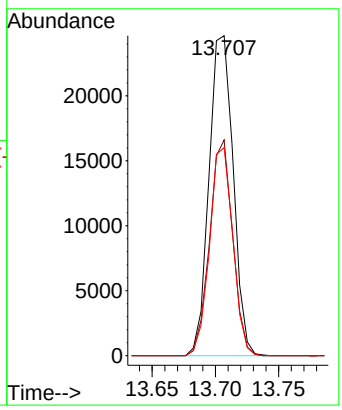




#94
Hexachlorobutadiene
Concen: 41.038 ug/l
RT: 13.707 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:225 Resp: 3272

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.7	95.1
227	62.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
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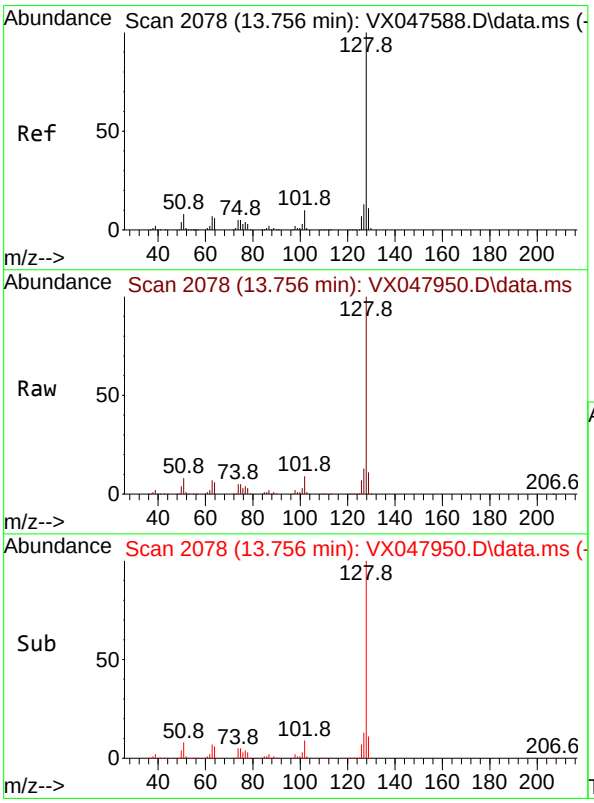
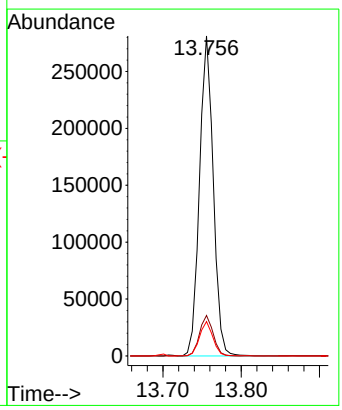
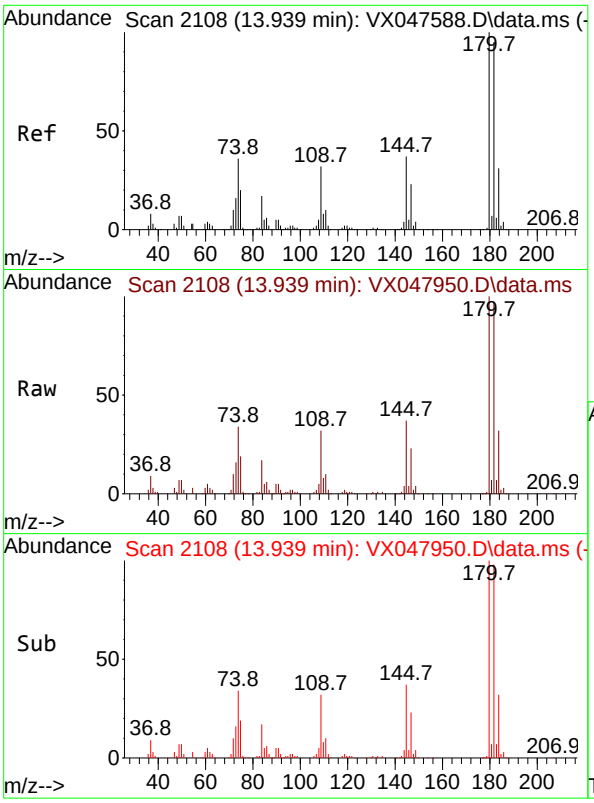


#95
Naphthalene
Concen: 47.986 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:128 Resp: 343048

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.5	8.8	13.2

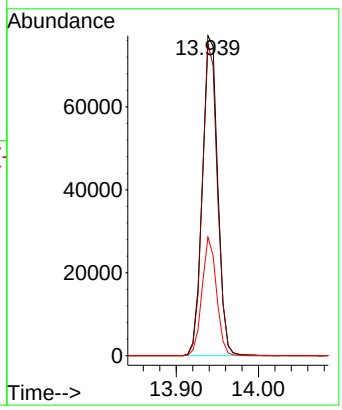




#96
1,2,3-Trichlorobenzene
Concen: 45.801 ug/l
RT: 13.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:180 Resp: 10002

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	34.8	17.9	53.7



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/03/2025
Supervised By :Mahesh Dadoda 10/03/2025

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

Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx093025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047896.D	1,2,3-Trichloropropane	JOHN	10/1/2025 8:09:00 AM	MMDadoda	10/3/2025 1:49:17 AM	Peak Integrated by Software
VX0930WBS01	VX047899.D	1,2,3-Trichloropropane	JOHN	10/1/2025 8:09:13 AM	MMDadoda	10/3/2025 1:49:19 AM	Peak Integrated by Software
Q3193-05	VX047909.D	Chloroform	JOHN	10/1/2025 8:09:47 AM	MMDadoda	10/3/2025 1:49:28 AM	Peak Integrated by Software
Q3193-16	VX047920.D	Chloroform	JOHN	10/1/2025 8:09:59 AM	MMDadoda	10/3/2025 1:49:31 AM	Peak Integrated by Software
VSTDCCC050	VX047923.D	1,2,3-Trichloropropane	JOHN	10/1/2025 8:10:03 AM	MMDadoda	10/3/2025 1:49:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047925.D	1,2,3-Trichloropropane	JOHN	10/3/2025 8:07:38 AM	MMDadoda	10/3/2025 4:03:25 PM	Peak Integrated by Software
VX1001WBS01	VX047928.D	1,2,3-Trichloropropane	JOHN	10/3/2025 8:07:43 AM	MMDadoda	10/3/2025 4:03:27 PM	Peak Integrated by Software
Q3193-02MS	VX047949.D	1,2,3-Trichloropropane	JOHN	10/3/2025 8:08:18 AM	MMDadoda	10/3/2025 4:03:37 PM	Peak Integrated by Software
Q3193-03MSD	VX047950.D	1,2,3-Trichloropropane	JOHN	10/3/2025 8:08:22 AM	MMDadoda	10/3/2025 4:03:40 PM	Peak Integrated by Software
VSTDCCC050	VX047951.D	1,2,3-Trichloropropane	JOHN	10/3/2025 8:08:26 AM	MMDadoda	10/3/2025 4:03:42 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047981.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:23 AM	SAM	10/6/2025 4:29:53 AM	Peak Integrated by Software
VX1003WBS02	VX047986.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:26 AM	SAM	10/6/2025 4:29:56 AM	Peak Integrated by Software
VSTDCCC050	VX048007.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:32 AM	SAM	10/6/2025 4:30:33 AM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok,M
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047895.D	30 Sep 2025 08:49	JC/MD	Ok
2	VSTDCCC050	VX047896.D	30 Sep 2025 09:20	JC/MD	Ok,M
3	VX0930MBL01	VX047897.D	30 Sep 2025 09:48	JC/MD	Ok
4	VX0930WBL01	VX047898.D	30 Sep 2025 10:09	JC/MD	Ok
5	VX0930WBS01	VX047899.D	30 Sep 2025 11:06	JC/MD	Ok,M
6	Q3213-04	VX047900.D	30 Sep 2025 11:27	JC/MD	Ok
7	VX0930WBS02	VX047901.D	30 Sep 2025 11:48	JC/MD	Not Ok
8	Q3213-10	VX047902.D	30 Sep 2025 12:09	JC/MD	Ok
9	Q3156-13	VX047903.D	30 Sep 2025 12:30	JC/MD	Ok,M
10	Q3156-18	VX047904.D	30 Sep 2025 12:51	JC/MD	Ok
11	Q3156-19	VX047905.D	30 Sep 2025 13:12	JC/MD	Ok
12	Q3156-10	VX047906.D	30 Sep 2025 13:33	JC/MD	Ok
13	Q3156-17	VX047907.D	30 Sep 2025 13:54	JC/MD	Ok,M
14	VX0930WBSD01	VX047908.D	30 Sep 2025 14:15	JC/MD	Ok,M
15	Q3193-05	VX047909.D	30 Sep 2025 14:37	JC/MD	Dilution
16	Q3193-06	VX047910.D	30 Sep 2025 14:58	JC/MD	Dilution
17	Q3193-07	VX047911.D	30 Sep 2025 15:19	JC/MD	ReRun
18	Q3193-08	VX047912.D	30 Sep 2025 15:40	JC/MD	Not Ok
19	Q3193-09	VX047913.D	30 Sep 2025 16:00	JC/MD	Ok
20	Q3193-10	VX047914.D	30 Sep 2025 16:21	JC/MD	Ok
21	Q3193-11	VX047915.D	30 Sep 2025 16:42	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3193-12	VX047916.D	30 Sep 2025 17:03	JC/MD	Ok
23	Q3193-13	VX047917.D	30 Sep 2025 17:24	JC/MD	Ok
24	Q3193-14	VX047918.D	30 Sep 2025 17:45	JC/MD	Ok
25	Q3193-15	VX047919.D	30 Sep 2025 18:06	JC/MD	Ok
26	Q3193-16	VX047920.D	30 Sep 2025 18:27	JC/MD	Ok,M
27	Q3193-17	VX047921.D	30 Sep 2025 18:48	JC/MD	Dilution
28	Q3193-04	VX047922.D	30 Sep 2025 19:09	JC/MD	ReRun
29	VSTDCCC050	VX047923.D	30 Sep 2025 19:30	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100125

Review By	John Carlone	Review On	10/3/2025 8:13:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 4:05:33 PM		
SubDirectory	VX100125	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135706,VP135719
Initial Calibration Stds	
CCC	VP135707,VP135708,VP135720,VP135721
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047924.D	01 Oct 2025 08:10	JC/MD	Ok
2	VSTDCCC050	VX047925.D	01 Oct 2025 08:44	JC/MD	Ok,M
3	VX1001MBL01	VX047926.D	01 Oct 2025 09:14	JC/MD	Ok
4	VX1001WBL01	VX047927.D	01 Oct 2025 10:03	JC/MD	Ok
5	VX1001WBS01	VX047928.D	01 Oct 2025 10:59	JC/MD	Ok,M
6	Q3193-06DL	VX047929.D	01 Oct 2025 11:20	JC/MD	Ok
7	VX1001WBS02	VX047930.D	01 Oct 2025 11:41	JC/MD	Not Ok
8	Q3193-05DL	VX047931.D	01 Oct 2025 12:01	JC/MD	Ok
9	Q3193-17DL	VX047932.D	01 Oct 2025 12:22	JC/MD	Ok
10	Q3193-04	VX047933.D	01 Oct 2025 12:43	JC/MD	Ok
11	Q3193-07	VX047934.D	01 Oct 2025 13:04	JC/MD	Ok
12	Q3193-08	VX047935.D	01 Oct 2025 13:25	JC/MD	Ok
13	Q3193-19	VX047936.D	01 Oct 2025 13:45	JC/MD	ReRun
14	Q3193-06DL	VX047937.D	01 Oct 2025 14:06	JC/MD	Not Ok
15	VX1001WBSD01	VX047938.D	01 Oct 2025 14:27	JC/MD	Ok,M
16	Q3193-21	VX047939.D	01 Oct 2025 14:48	JC/MD	Ok
17	Q3193-22	VX047940.D	01 Oct 2025 15:09	JC/MD	Ok
18	Q3193-18	VX047941.D	01 Oct 2025 15:30	JC/MD	Ok
19	Q3193-20	VX047942.D	01 Oct 2025 15:50	JC/MD	Ok
20	Q3194-01	VX047943.D	01 Oct 2025 16:11	JC/MD	Dilution
21	Q3194-05	VX047944.D	01 Oct 2025 16:32	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100125

Review By	John Carlone	Review On	10/3/2025 8:13:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 4:05:33 PM		
SubDirectory	VX100125	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135706,VP135719
Initial Calibration Stds	
CCC	VP135707,VP135708,VP135720,VP135721
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3194-06	VX047945.D	01 Oct 2025 16:53	JC/MD	Ok,M
23	Q3194-07	VX047946.D	01 Oct 2025 17:14	JC/MD	Ok
24	Q3194-08	VX047947.D	01 Oct 2025 17:35	JC/MD	Ok
25	Q3193-01	VX047948.D	01 Oct 2025 17:56	JC/MD	ReRun
26	Q3193-02MS	VX047949.D	01 Oct 2025 18:17	JC/MD	Ok,M
27	Q3193-03MSD	VX047950.D	01 Oct 2025 18:38	JC/MD	Ok,M
28	VSTDCCC050	VX047951.D	01 Oct 2025 18:59	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047980.D	03 Oct 2025 08:35	JC/MD	Ok
2	VSTDCCC050	VX047981.D	03 Oct 2025 09:35	JC/MD	Ok,M
3	VX1003MBL01	VX047982.D	03 Oct 2025 09:56	JC/MD	Ok
4	VX1003WBL01	VX047983.D	03 Oct 2025 10:16	JC/MD	Ok
5	VX1003WBS01	VX047984.D	03 Oct 2025 11:14	JC/MD	Not Ok
6	Q3194-01DL	VX047985.D	03 Oct 2025 11:34	JC/MD	Ok
7	VX1003WBS02	VX047986.D	03 Oct 2025 12:22	JC/MD	Ok,M
8	Q3194-15RE	VX047987.D	03 Oct 2025 12:49	JC/MD	Confirms
9	Q3193-19	VX047988.D	03 Oct 2025 13:09	JC/MD	Ok
10	Q3194-05	VX047989.D	03 Oct 2025 13:30	JC/MD	Ok
11	Q3193-01	VX047990.D	03 Oct 2025 13:50	JC/MD	Ok
12	Q3202-01RE	VX047991.D	03 Oct 2025 14:11	JC/MD	Confirms
13	Q3226-01	VX047992.D	03 Oct 2025 14:32	JC/MD	Ok
14	Q3226-02	VX047993.D	03 Oct 2025 14:52	JC/MD	Ok
15	Q3226-03	VX047994.D	03 Oct 2025 15:13	JC/MD	Ok
16	Q3226-04	VX047995.D	03 Oct 2025 15:34	JC/MD	Ok
17	Q3248-01	VX047996.D	03 Oct 2025 15:55	JC/MD	Ok
18	Q3248-02	VX047997.D	03 Oct 2025 16:15	JC/MD	Ok
19	Q3248-03	VX047998.D	03 Oct 2025 16:36	JC/MD	Ok
20	Q3248-04	VX047999.D	03 Oct 2025 16:57	JC/MD	Ok
21	Q3248-05	VX048000.D	03 Oct 2025 17:18	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3248-06	VX048001.D	03 Oct 2025 17:38	JC/MD	Ok
23	Q3248-07	VX048002.D	03 Oct 2025 17:59	JC/MD	Ok
24	VX1003WBSD02	VX048003.D	03 Oct 2025 18:20	JC/MD	Ok,M
25	Q3248-08	VX048004.D	03 Oct 2025 18:41	JC/MD	Ok
26	Q3248-09MS	VX048005.D	03 Oct 2025 19:02	JC/MD	Ok,M
27	Q3248-10MSD	VX048006.D	03 Oct 2025 19:22	JC/MD	Ok,M
28	VSTDCCC050	VX048007.D	03 Oct 2025 19:43	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok,M
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
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	VX047895.D	30 Sep 2025 08:49		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047896.D	30 Sep 2025 09:20	pH#Lot#V12668	JC/MD	Ok,M
3	VX0930MBL01	VX0930MBL01	VX047897.D	30 Sep 2025 09:48		JC/MD	Ok
4	VX0930WBL01	VX0930WBL01	VX047898.D	30 Sep 2025 10:09		JC/MD	Ok
5	VX0930WBS01	VX0930WBS01	VX047899.D	30 Sep 2025 11:06		JC/MD	Ok,M
6	Q3213-04	BP-VPB-184-GW-360-3	VX047900.D	30 Sep 2025 11:27	vial B pH<2	JC/MD	Ok
7	VX0930WBS02	VX0930WBS02	VX047901.D	30 Sep 2025 11:48	Recovery fail	JC/MD	Not Ok
8	Q3213-10	BP-VPB-184-EB-20250	VX047902.D	30 Sep 2025 12:09	vial B pH<2 EB	JC/MD	Ok
9	Q3156-13	EB02-20250918	VX047903.D	30 Sep 2025 12:30	vial B pH<2 EB	JC/MD	Ok,M
10	Q3156-18	RW9-MW01S-2025091	VX047904.D	30 Sep 2025 12:51	vial B pH<2	JC/MD	Ok
11	Q3156-19	TT191D1-20250918	VX047905.D	30 Sep 2025 13:12	vial B pH<2	JC/MD	Ok
12	Q3156-10	TT180D1-20250918	VX047906.D	30 Sep 2025 13:33	vial B pH<2	JC/MD	Ok
13	Q3156-17	TT191D2-20250918	VX047907.D	30 Sep 2025 13:54	vial B pH<2	JC/MD	Ok,M
14	VX0930WBSD01	VX0930WBSD01	VX047908.D	30 Sep 2025 14:15		JC/MD	Ok,M
15	Q3193-05	RE137-20250922	VX047909.D	30 Sep 2025 14:37	vial A pH<2 Need 10X	JC/MD	Dilution
16	Q3193-06	RW4-20250922	VX047910.D	30 Sep 2025 14:58	vial A pH<2 Need 5X	JC/MD	Dilution
17	Q3193-07	GM38-RW3-MW1-2025	VX047911.D	30 Sep 2025 15:19	vial A pH<2 E flag of previous sample	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3193-08	TT20551-20250923	VX047912.D	30 Sep 2025 15:40	vial A pH<2 Confirm concentration	JC/MD	Not Ok
19	Q3193-09	RW10A-MW01I-202509	VX047913.D	30 Sep 2025 16:00	vial A pH<2	JC/MD	Ok
20	Q3193-10	RW8-MW01S-2025092	VX047914.D	30 Sep 2025 16:21	vial A pH<2	JC/MD	Ok
21	Q3193-11	TT172S1-20250923	VX047915.D	30 Sep 2025 16:42	vial A pH<2	JC/MD	Ok
22	Q3193-12	DUP12-20250923	VX047916.D	30 Sep 2025 17:03	vial A pH<2	JC/MD	Ok
23	Q3193-13	RW10A-MW01S-20250	VX047917.D	30 Sep 2025 17:24	vial A pH<2	JC/MD	Ok
24	Q3193-14	RW8-MW01D1-202509	VX047918.D	30 Sep 2025 17:45	vial A pH<2	JC/MD	Ok
25	Q3193-15	DUP11-20250923	VX047919.D	30 Sep 2025 18:06	vial A pH<2	JC/MD	Ok
26	Q3193-16	TT161S1-20250923	VX047920.D	30 Sep 2025 18:27	vial A pH<2	JC/MD	Ok,M
27	Q3193-17	RE103D1-20250923	VX047921.D	30 Sep 2025 18:48	vial A pH<2 Need 10X	JC/MD	Dilution
28	Q3193-04	TT149S1-20250922	VX047922.D	30 Sep 2025 19:09	vial A pH<2 E flag of previous sample	JC/MD	ReRun
29	VSTDCCC050	VSTDCCC050EC	VX047923.D	30 Sep 2025 19:30		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100125

Review By	John Carlone	Review On	10/3/2025 8:13:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 4:05:33 PM		
SubDirectory	VX100125	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135706,VP135719
Initial Calibration Stds	
CCC	VP135707,VP135708,VP135720,VP135721
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	VX047924.D	01 Oct 2025 08:10		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047925.D	01 Oct 2025 08:44	pH#Lot#V12668	JC/MD	Ok,M
3	VX1001MBL01	VX1001MBL01	VX047926.D	01 Oct 2025 09:14		JC/MD	Ok
4	VX1001WBL01	VX1001WBL01	VX047927.D	01 Oct 2025 10:03		JC/MD	Ok
5	VX1001WBS01	VX1001WBS01	VX047928.D	01 Oct 2025 10:59		JC/MD	Ok,M
6	Q3193-06DL	RW4-20250922DL	VX047929.D	01 Oct 2025 11:20	vial B pH<2	JC/MD	Ok
7	VX1001WBS02	VX1001WBS02	VX047930.D	01 Oct 2025 11:41	Recovery fail	JC/MD	Not Ok
8	Q3193-05DL	RE137-20250922DL	VX047931.D	01 Oct 2025 12:01	vial B pH<2	JC/MD	Ok
9	Q3193-17DL	RE103D1-20250923DL	VX047932.D	01 Oct 2025 12:22	vial B pH<2	JC/MD	Ok
10	Q3193-04	TT149S1-20250922	VX047933.D	01 Oct 2025 12:43	vial B pH<2	JC/MD	Ok
11	Q3193-07	GM38-RW3-MW1-2025	VX047934.D	01 Oct 2025 13:04	vial B pH<2	JC/MD	Ok
12	Q3193-08	TT20551-20250923	VX047935.D	01 Oct 2025 13:25	vial B pH<2	JC/MD	Ok
13	Q3193-19	EB04-20250923	VX047936.D	01 Oct 2025 13:45	vial A pH<2 EB;Hit of Com.#16,25	JC/MD	ReRun
14	Q3193-06DL	RW4-20250922DL	VX047937.D	01 Oct 2025 14:06	not needed- for confirmation	JC/MD	Not Ok
15	VX1001WBSD01	VX1001WBSD01	VX047938.D	01 Oct 2025 14:27		JC/MD	Ok,M
16	Q3193-21	TT162S1-20250924	VX047939.D	01 Oct 2025 14:48	vial A pH<2	JC/MD	Ok
17	Q3193-22	RE120D3-20250924	VX047940.D	01 Oct 2025 15:09	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100125

Review By	John Carlone	Review On	10/3/2025 8:13:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 4:05:33 PM		
SubDirectory	VX100125	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135706,VP135719
Initial Calibration Stds	
CCC	VP135707,VP135708,VP135720,VP135721
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3193-18	MW203D-20250923	VX047941.D	01 Oct 2025 15:30	vial A pH<2	JC/MD	Ok
19	Q3193-20	TT174I1-20250924	VX047942.D	01 Oct 2025 15:50	vial A pH<2	JC/MD	Ok
20	Q3194-01	TT189D1-20250922	VX047943.D	01 Oct 2025 16:11	vial A pH<2 CCC Failed High; Need 5X	JC/MD	Dilution
21	Q3194-05	TT150S1-20250922	VX047944.D	01 Oct 2025 16:32	vial A pH<2 E flag of previous sample	JC/MD	ReRun
22	Q3194-06	RW8-MW01D2-202509	VX047945.D	01 Oct 2025 16:53	vial A pH<2	JC/MD	Ok,M
23	Q3194-07	RW8-MW01D3-202509	VX047946.D	01 Oct 2025 17:14	vial A pH<2	JC/MD	Ok
24	Q3194-08	TT188S1-20250922	VX047947.D	01 Oct 2025 17:35	vial A pH<2	JC/MD	Ok
25	Q3193-01	RW10-MW01D-202509	VX047948.D	01 Oct 2025 17:56	vial A pH<2 Surrogate Fail	JC/MD	ReRun
26	Q3193-02MS	RW10-MW01D-202509	VX047949.D	01 Oct 2025 18:17	vial A pH<2	JC/MD	Ok,M
27	Q3193-03MSD	RW10-MW01D-202509	VX047950.D	01 Oct 2025 18:38	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX047951.D	01 Oct 2025 18:59		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
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	VX047980.D	03 Oct 2025 08:35		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047981.D	03 Oct 2025 09:35	pH#Lot#V12668	JC/MD	Ok,M
3	VX1003MBL01	VX1003MBL01	VX047982.D	03 Oct 2025 09:56		JC/MD	Ok
4	VX1003WBL01	VX1003WBL01	VX047983.D	03 Oct 2025 10:16		JC/MD	Ok
5	VX1003WBS01	VX1003WBS01	VX047984.D	03 Oct 2025 11:14	Surrogate fail	JC/MD	Not Ok
6	Q3194-01DL	TT189D1-20250922DL	VX047985.D	03 Oct 2025 11:34	vial B pH<2	JC/MD	Ok
7	VX1003WBS02	VX1003WBS02	VX047986.D	03 Oct 2025 12:22		JC/MD	Ok,M
8	Q3194-15RE	EB05-20250924RE	VX047987.D	03 Oct 2025 12:49	vial B pH<2	JC/MD	Confirms
9	Q3193-19	EB04-20250923	VX047988.D	03 Oct 2025 13:09	vial B pH<2	JC/MD	Ok
10	Q3194-05	TT150S1-20250922	VX047989.D	03 Oct 2025 13:30	vial B pH<2	JC/MD	Ok
11	Q3193-01	RW10-MW01D-202509	VX047990.D	03 Oct 2025 13:50	vial B pH<2	JC/MD	Ok
12	Q3202-01RE	SY-6RE	VX047991.D	03 Oct 2025 14:11	vial B pH<2 BSD failed Low	JC/MD	Confirms
13	Q3226-01	STORAGE-BLANK-SO	VX047992.D	03 Oct 2025 14:32	vial A pH<2	JC/MD	Ok
14	Q3226-02	STORAGE-BLANK-WA	VX047993.D	03 Oct 2025 14:52	vial A pH<2	JC/MD	Ok
15	Q3226-03	STORAGE-BLANK-WA	VX047994.D	03 Oct 2025 15:13	vial A pH<2	JC/MD	Ok
16	Q3226-04	STORAGE-BLANK-SA	VX047995.D	03 Oct 2025 15:34	vial A pH<2	JC/MD	Ok
17	Q3248-01	BP-VPB-184-TB-20250	VX047996.D	03 Oct 2025 15:55	vial A pH<2	JC/MD	Ok
18	Q3248-02	BP-VPB-184-GW-560-S	VX047997.D	03 Oct 2025 16:15	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3248-03	BP-VPB-184-GW-580-5	VX047998.D	03 Oct 2025 16:36	vial A pH<2	JC/MD	Ok
20	Q3248-04	BP-VPB-184-GW-600-6	VX047999.D	03 Oct 2025 16:57	vial A pH<2	JC/MD	Ok
21	Q3248-05	BP-VPB-184-GW-620-6	VX048000.D	03 Oct 2025 17:18	vial A pH<2	JC/MD	Ok
22	Q3248-06	BP-VPB-184-GW-640-6	VX048001.D	03 Oct 2025 17:38	vial A pH<2	JC/MD	Ok
23	Q3248-07	BP-VPB-184-GW-660-6	VX048002.D	03 Oct 2025 17:59	vial A pH<2	JC/MD	Ok
24	VX1003WBSD02	VX1003WBSD02	VX048003.D	03 Oct 2025 18:20		JC/MD	Ok,M
25	Q3248-08	BP-VPB-184-GW-685-6	VX048004.D	03 Oct 2025 18:41	vial A pH<2	JC/MD	Ok
26	Q3248-09MS	BP-VPB-184-GW-685-6	VX048005.D	03 Oct 2025 19:02	vial A pH<2	JC/MD	Ok,M
27	Q3248-10MSD	BP-VPB-184-GW-685-6	VX048006.D	03 Oct 2025 19:22	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX048007.D	03 Oct 2025 19:43		JC/MD	Ok,M

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Prep Standard - Chemical Standard Summary

Order ID : Q3193

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vx093025,VX100125,VX100325,

Standard ID :
VP134142,VP134149,VP134933,VP134956,VP134957,VP135480,VP135552,VP135694,VP135695,VP135696,VP135703,VP135704,VP135705,VP135706,VP135707,VP135708,VP135719,VP135720,VP135721,VP135734,VP135735,VP135736,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14928,V14929,V14951,V14952,V15066,V15067,V15068,W3112,

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VOC STANDARD PREPARATION LOG

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

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
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

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

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VOC STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 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
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135694	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

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	VP135695	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135696	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135703	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

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	VP135704	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135705	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135706	10/01/2025	10/02/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

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	VP135707	10/01/2025	10/02/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135708	10/01/2025	10/02/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135719	10/01/2025	10/02/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

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	VP135720	10/01/2025	10/02/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135721	10/01/2025	10/02/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135734	10/03/2025	10/04/2025	John Carlone	None	None	Mahesh Dadoda 10/07/2025

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	VP135735	10/03/2025	10/04/2025	John Carlone	None	None	Mahesh Dadoda 10/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135736	10/03/2025	10/04/2025	John Carlone	None	None	Mahesh Dadoda 10/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

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	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

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	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

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 #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

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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.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

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 #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

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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	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

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

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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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

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	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

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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	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	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

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 #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

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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.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

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
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Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

	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)	MKBW6137V	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 149.8mg/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

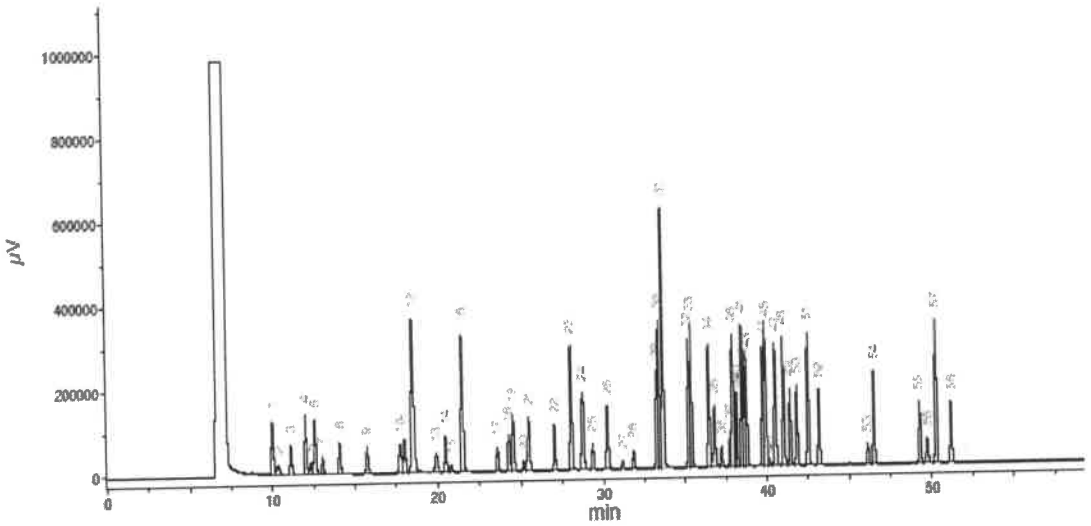
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, 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	20.46
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	Tetrachloroethane/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	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))			% (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.

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

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

	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)	MKBW6137V	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 149.8mg/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

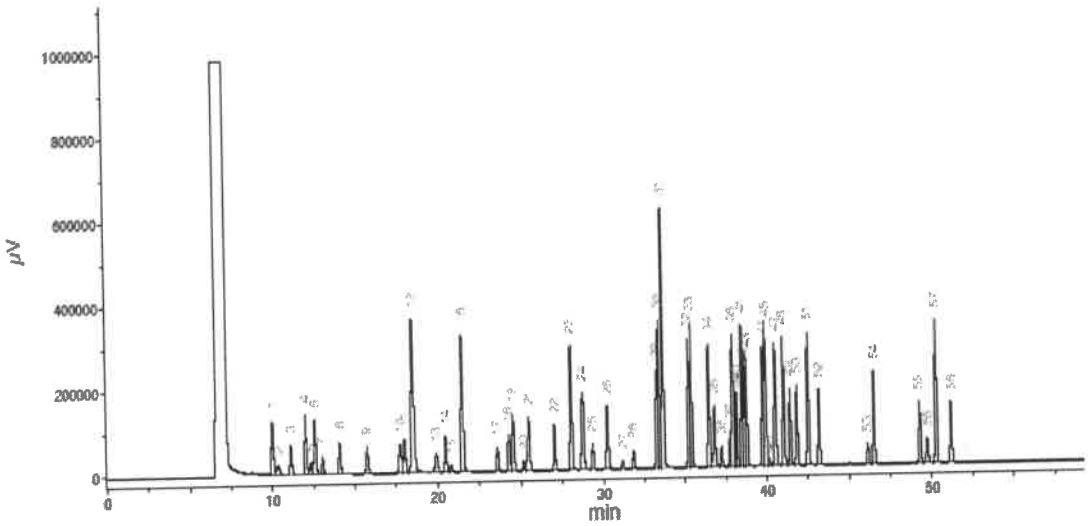
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, 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	20.46
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	Tetrachloroethane/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	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))			% (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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

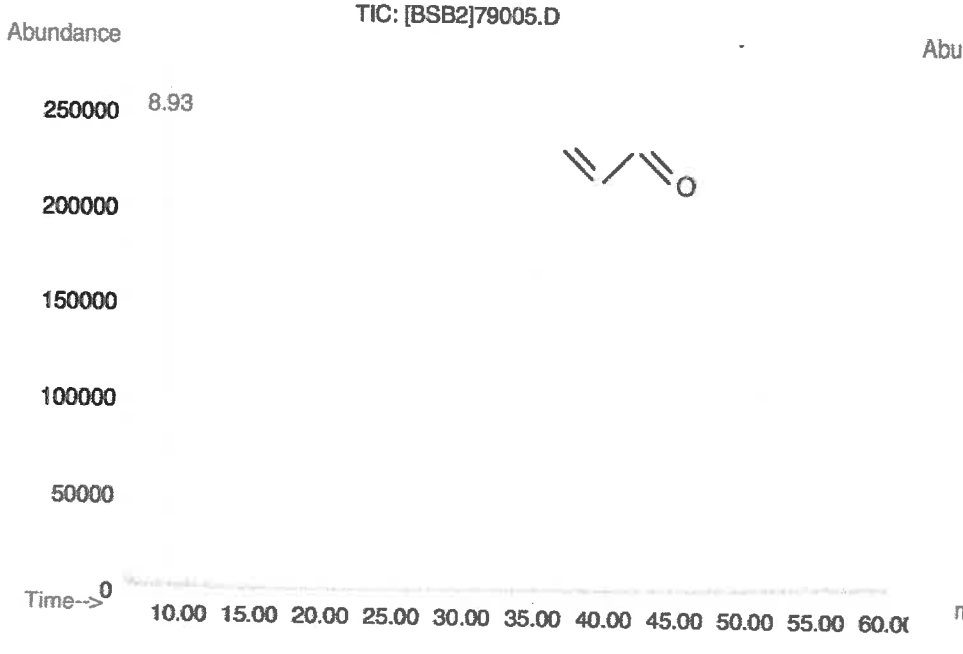
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

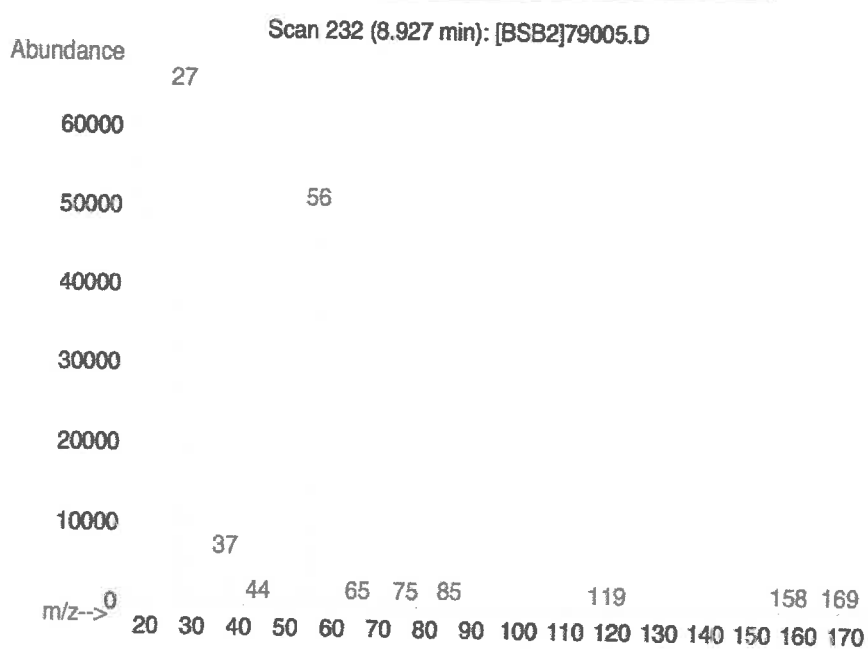
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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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

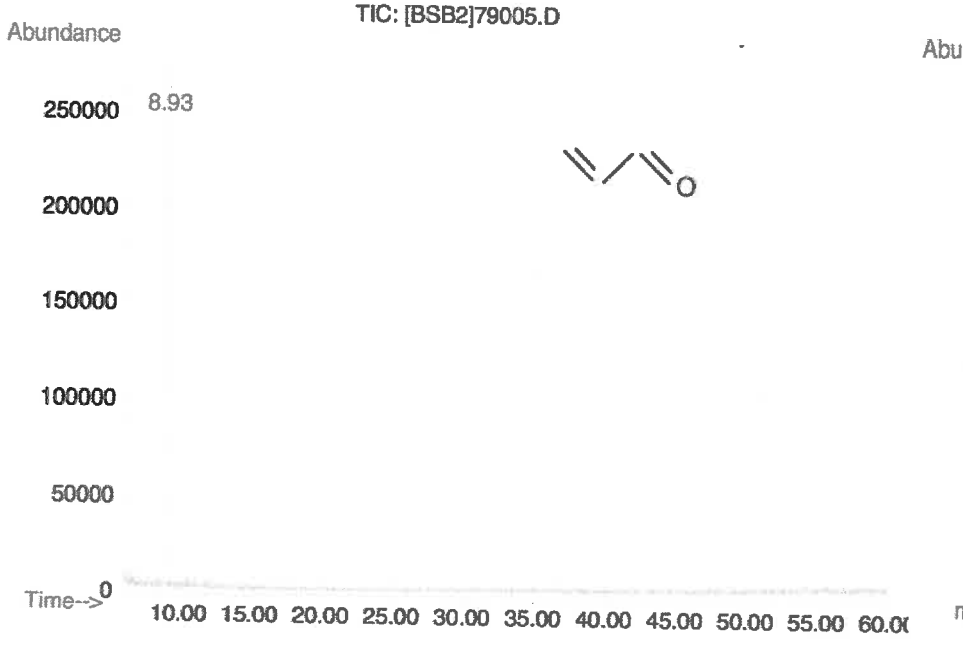
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

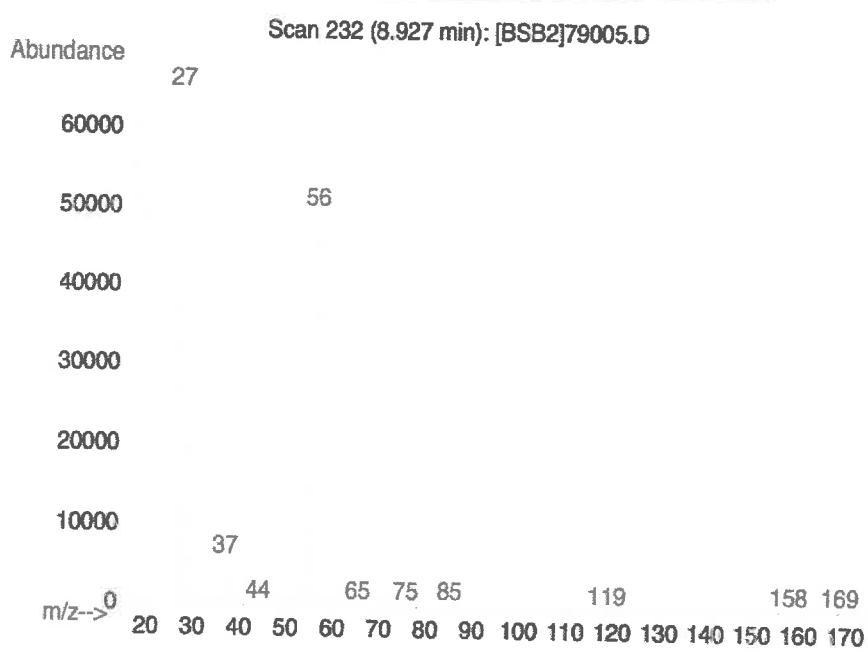
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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: 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

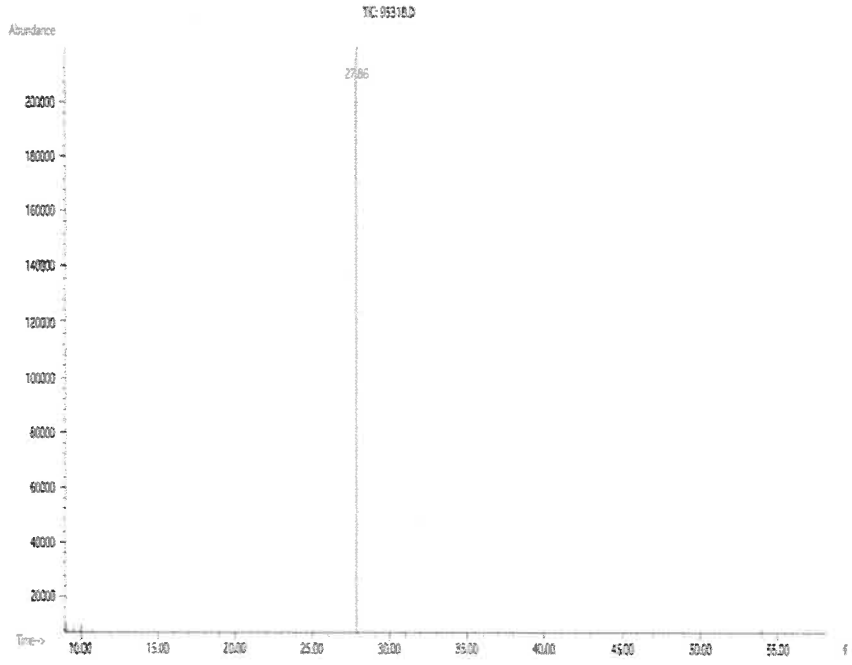
V14630 to V14649

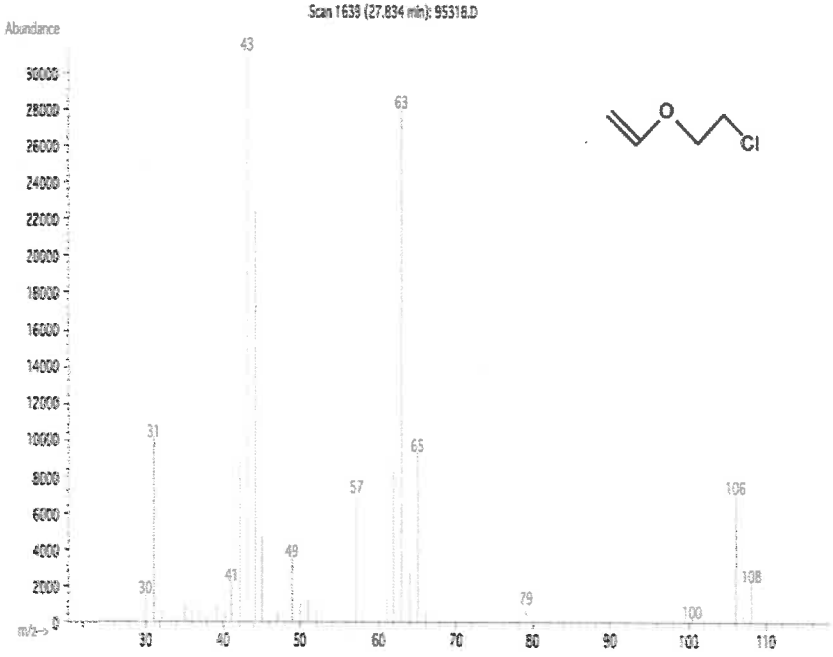
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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

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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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

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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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

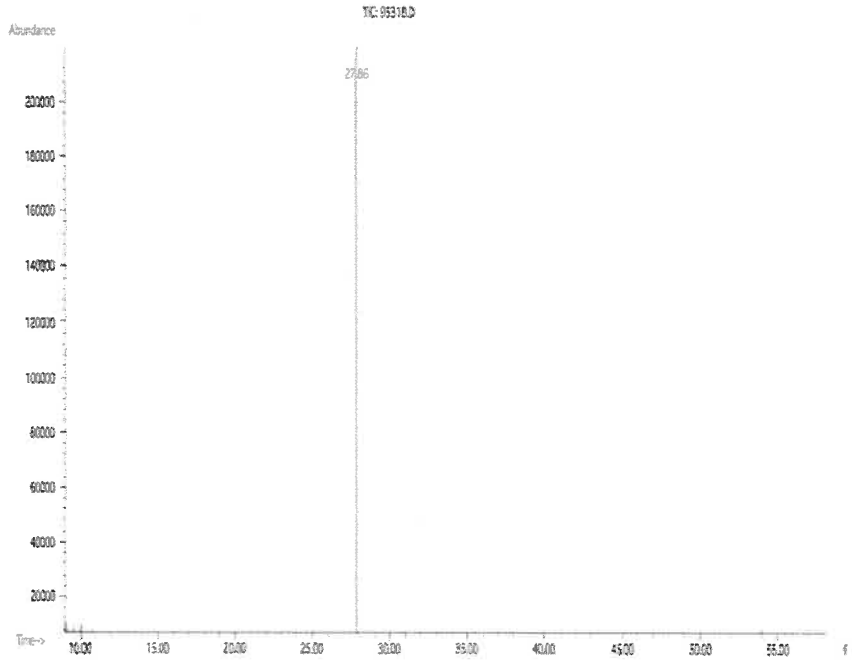
V14630 to V14649

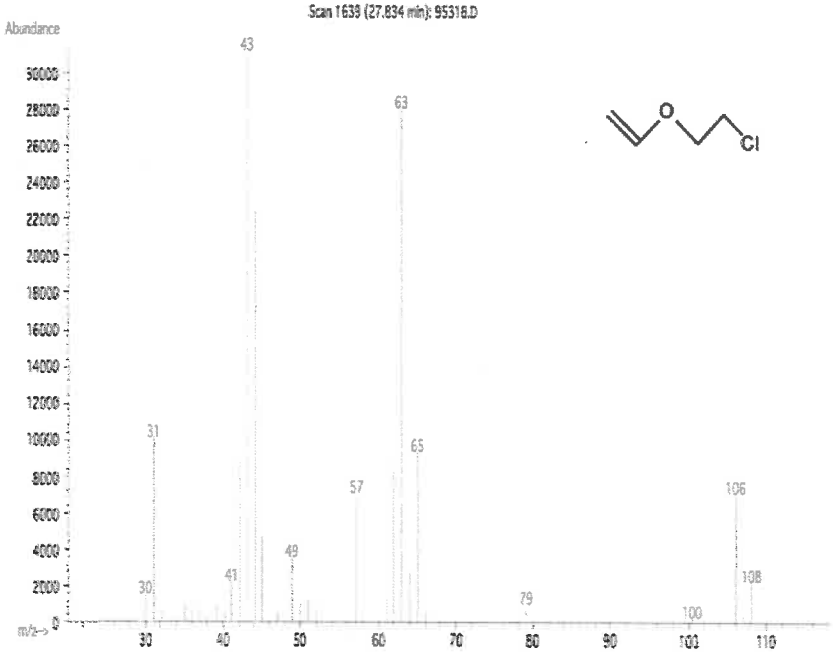
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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

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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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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General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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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.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

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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
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Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
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Solubility in Water COMPLETE

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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
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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

V14630 to V14649

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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
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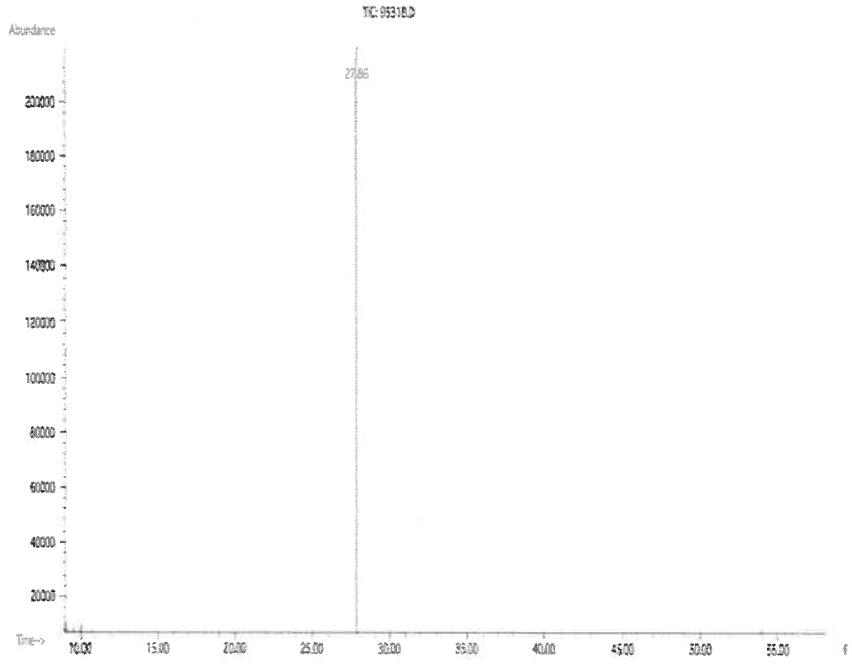
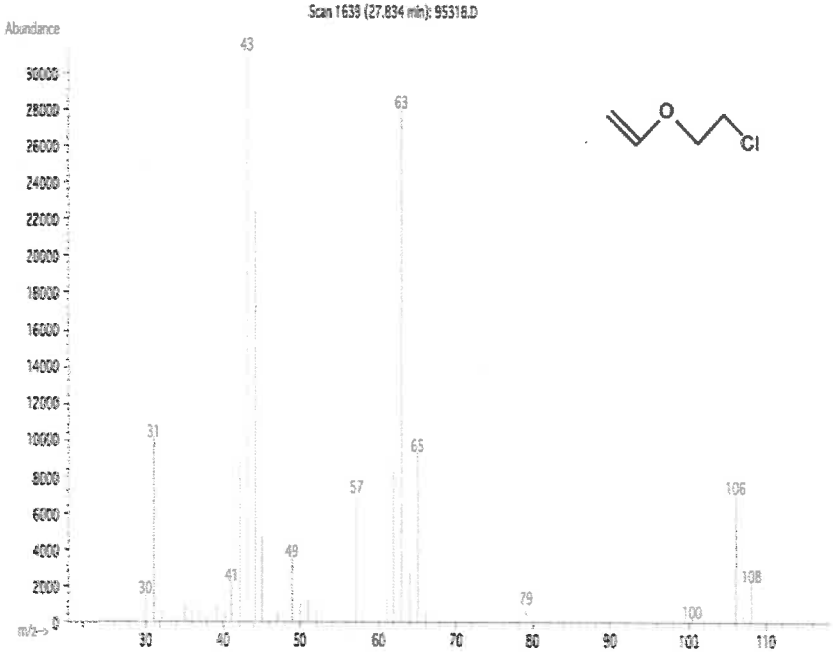
Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- 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.
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 12/6/24
20 vial

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

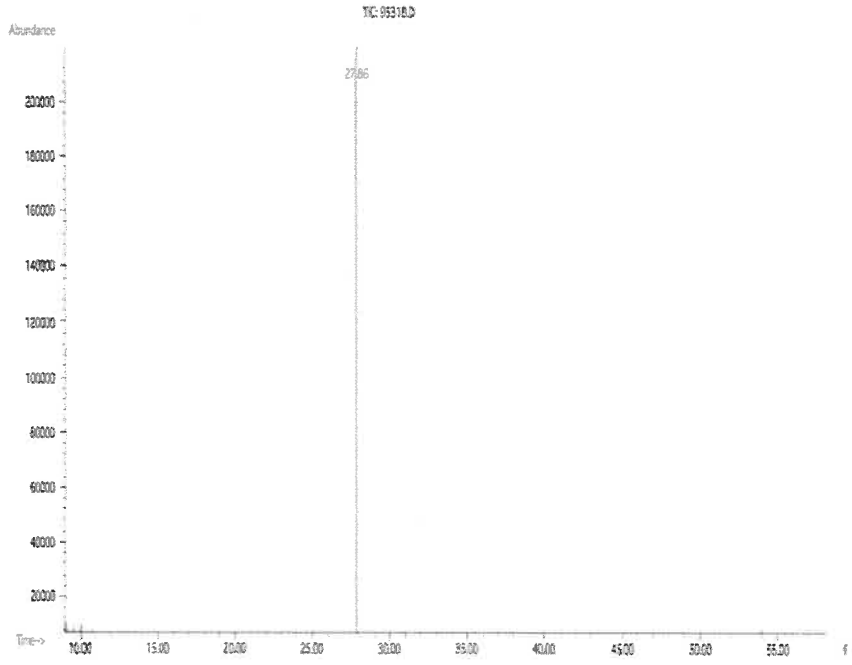
V14630 to V14649

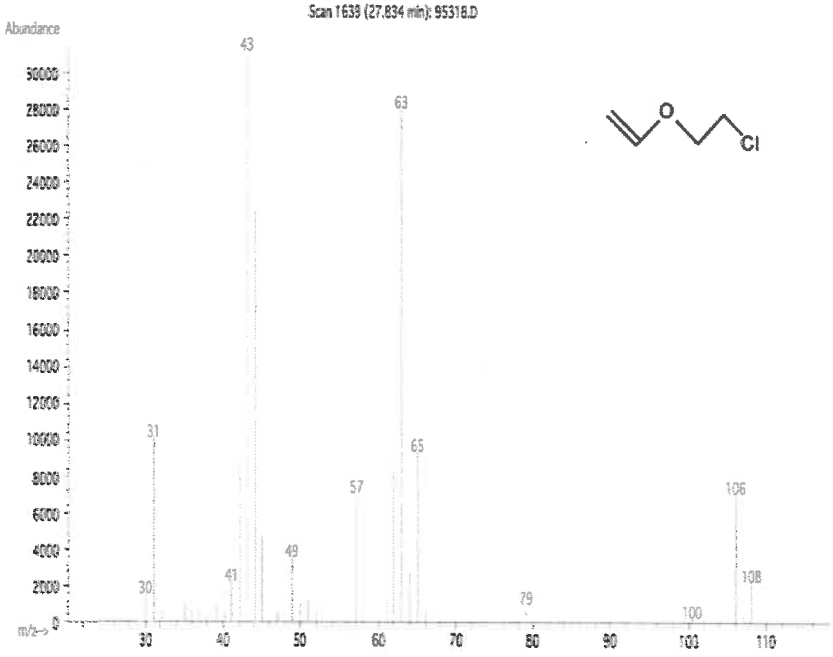
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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

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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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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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

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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Skin notation TWA 200 ppm
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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

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.

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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

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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. : 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.)

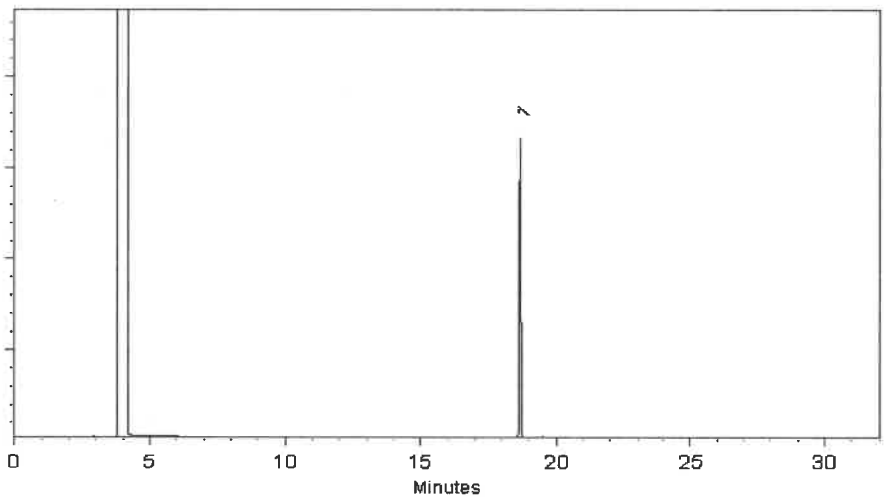
Inj. Temp:
200°C

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

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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.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

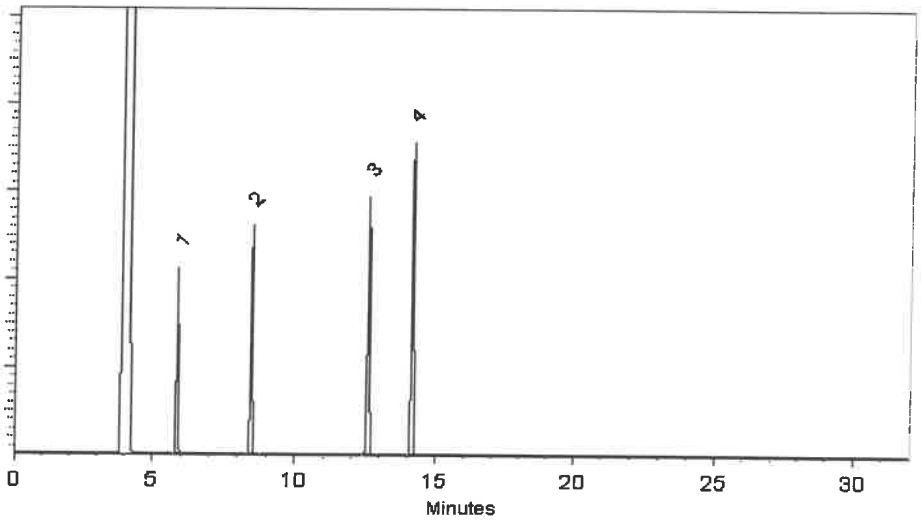
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-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.
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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

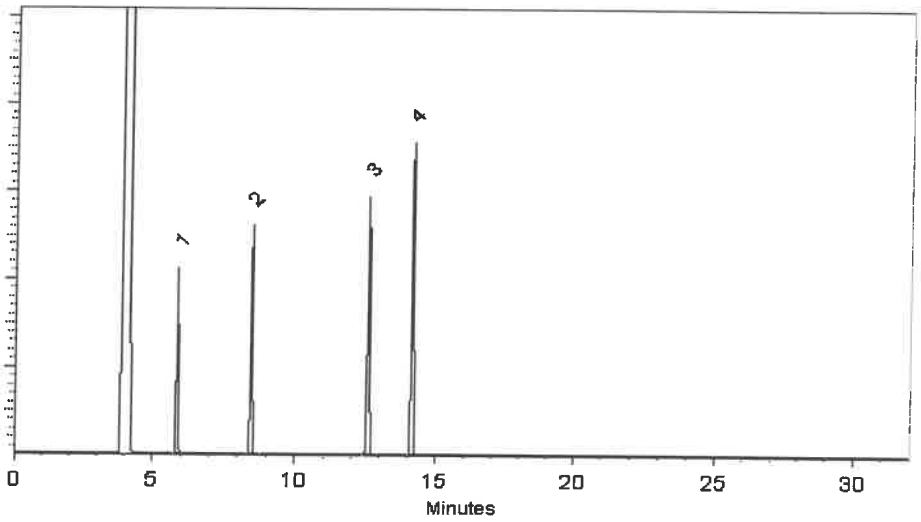
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-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.
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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.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

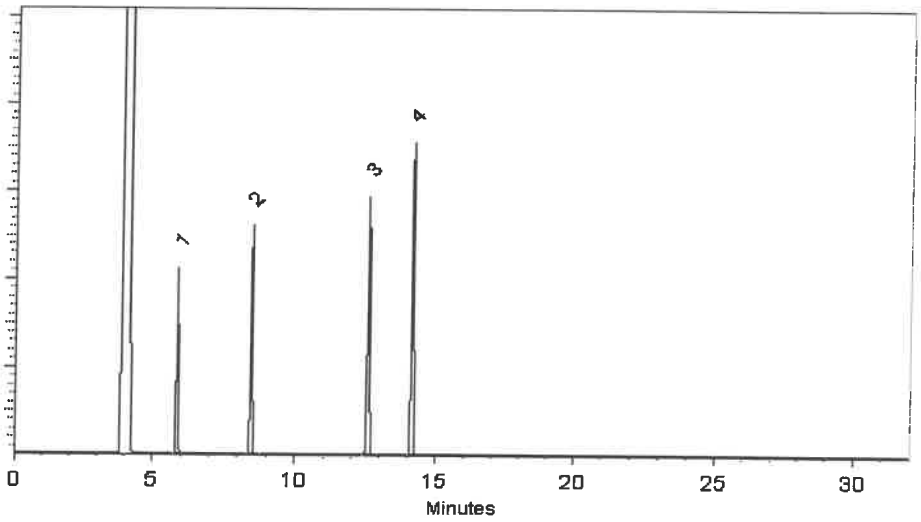
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-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.
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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. : 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.
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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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Dec: 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.)

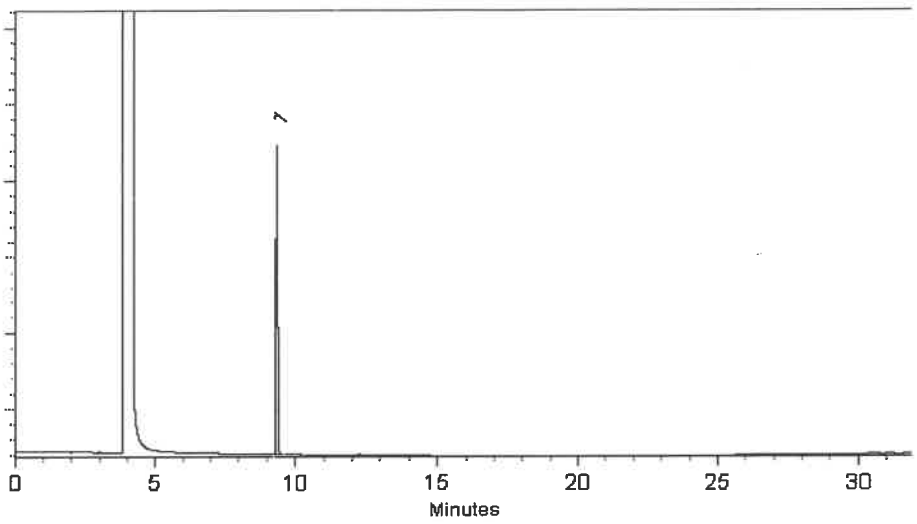
Inj. Temp:
200°C

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.
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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.)

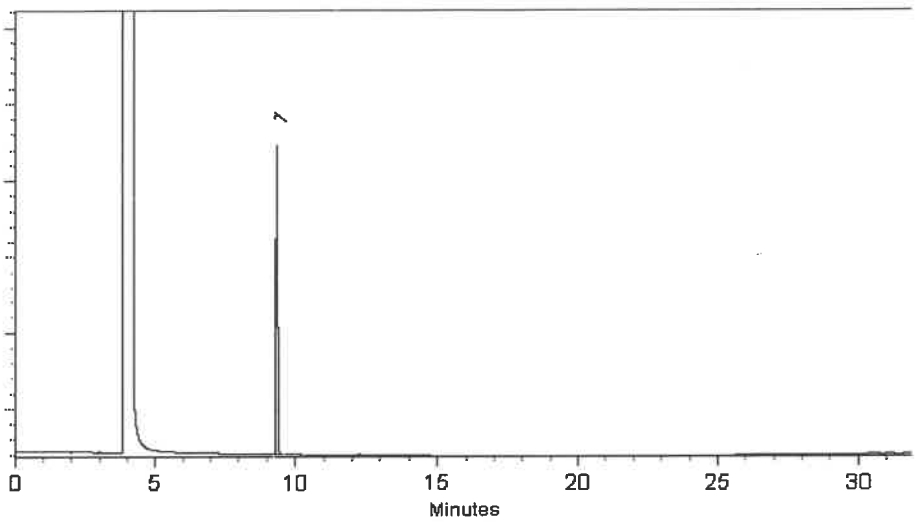
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.
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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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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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Dec: 12/09/24

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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.)

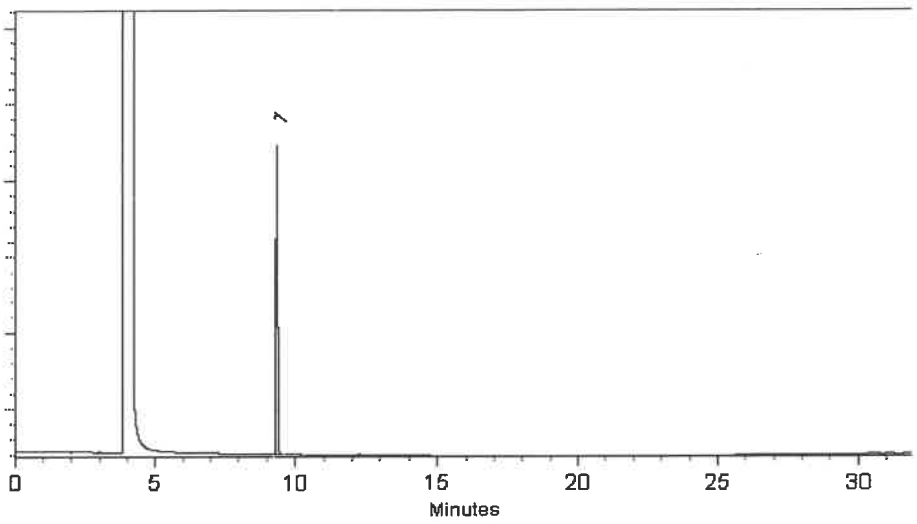
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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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

Dec: 12/09/24

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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.)

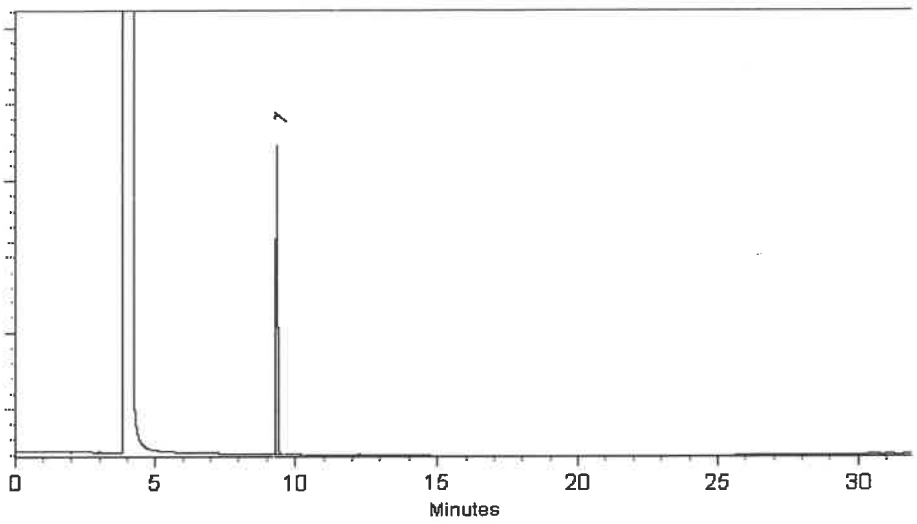
Inj. Temp:
200°C

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.
- 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

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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. : 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.

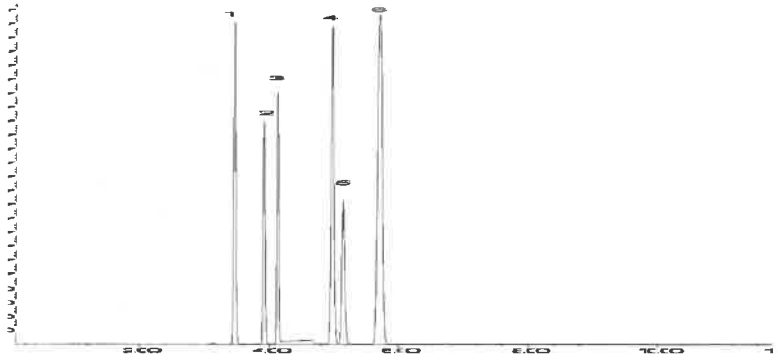
Inj. Temp:
200°C

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

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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. : 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.

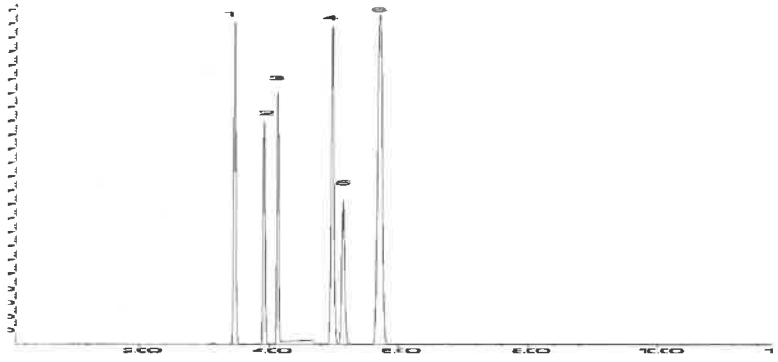
Inj. Temp:
200°C

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:

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J14842 to 14846

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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. : 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.)

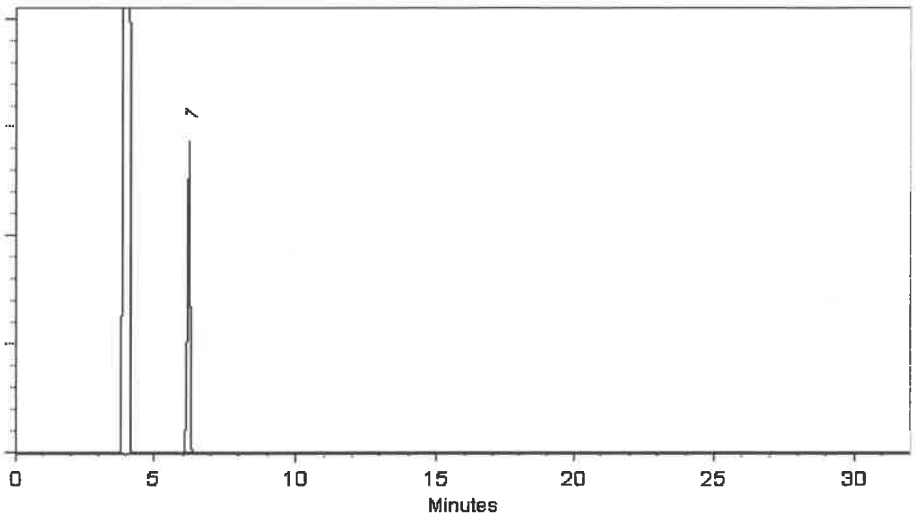
Inj. Temp:
200°C

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.
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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.)

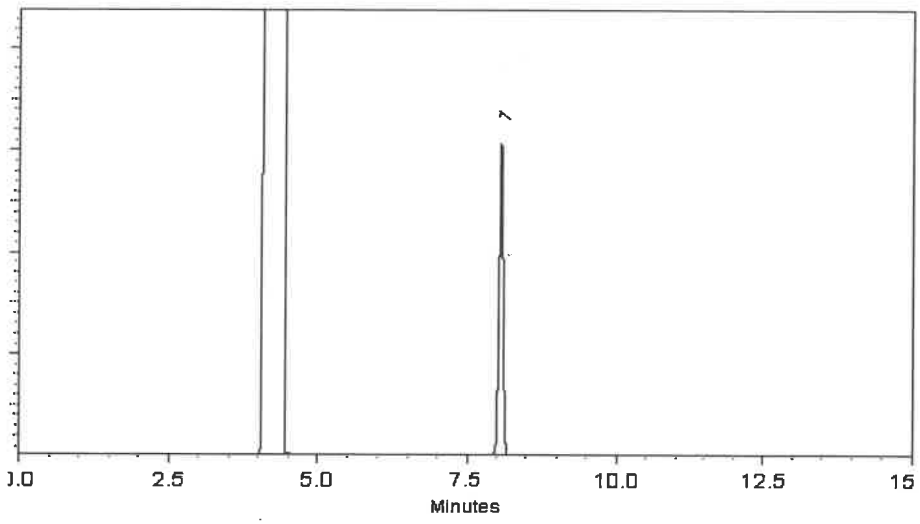
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.
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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:

- 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:

- 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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- 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

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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. : 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.)

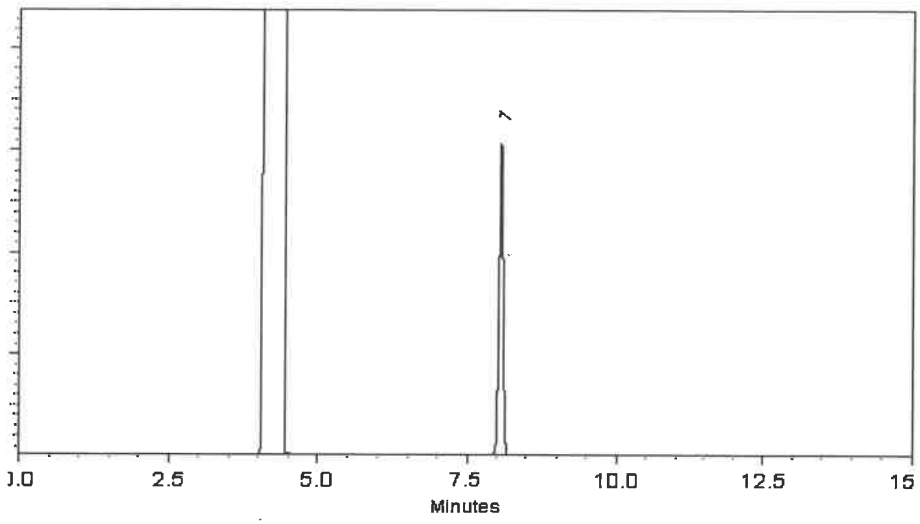
Inj. Temp:
200°C

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

Lee 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

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.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V 14921 to
V 14938

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®

V 14921 to
V 14938

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

Rec 05/19/25

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL
2 x Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

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. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL
2 x Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

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. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
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3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	091525
Description:	Acrolein
Expiration Date:	101525
Recommended Storage:	Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 041725Q

V15064 to V15068

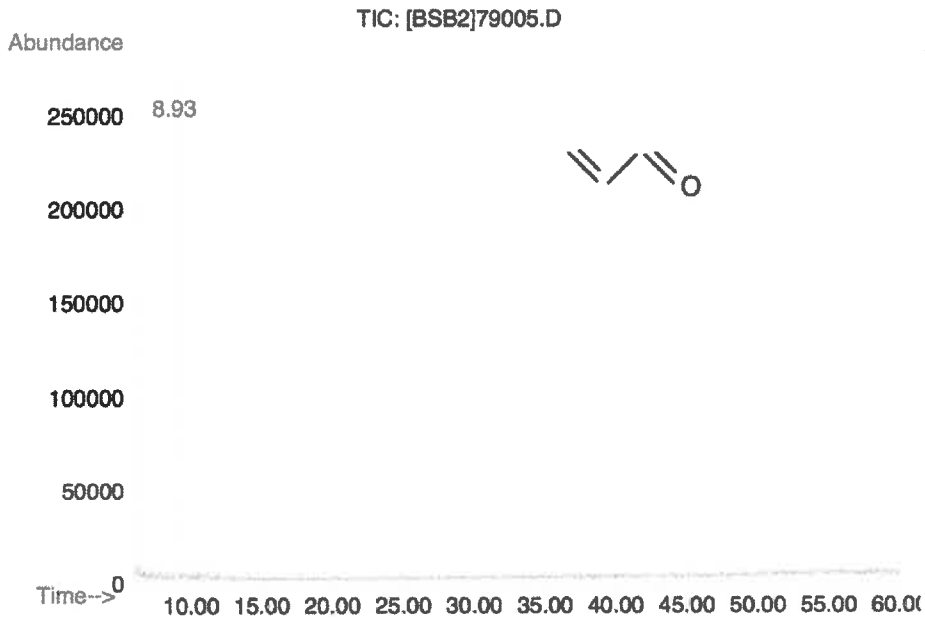
5E-05 Balance Uncertainty

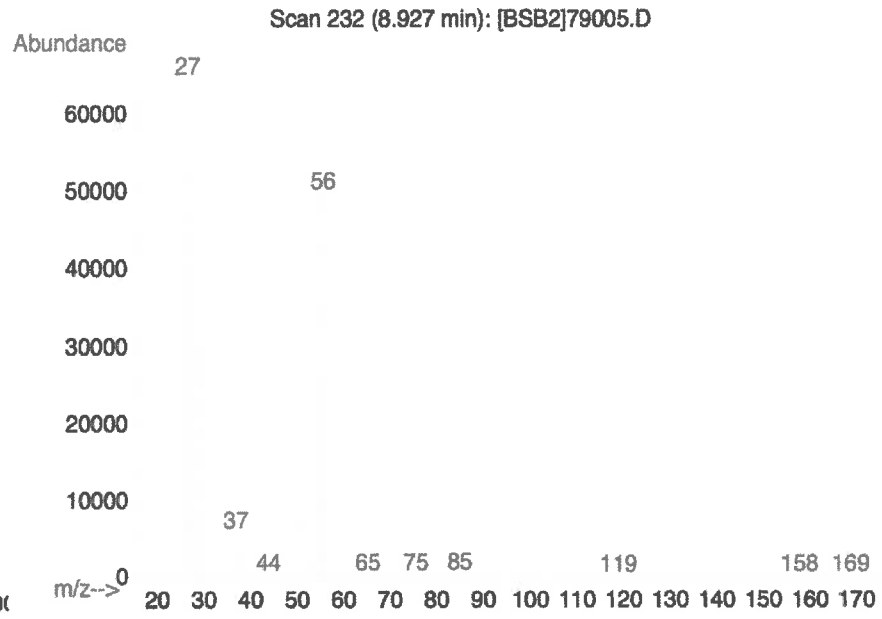
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

091525	
Formulated By: Anthony Mahoney	DATE
091525	
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	0.05176	5009.9	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.





- **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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	091525
Description:	Acrolein
Expiration Date:	101525
Recommended Storage:	Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 041725Q

V15064 to V15068

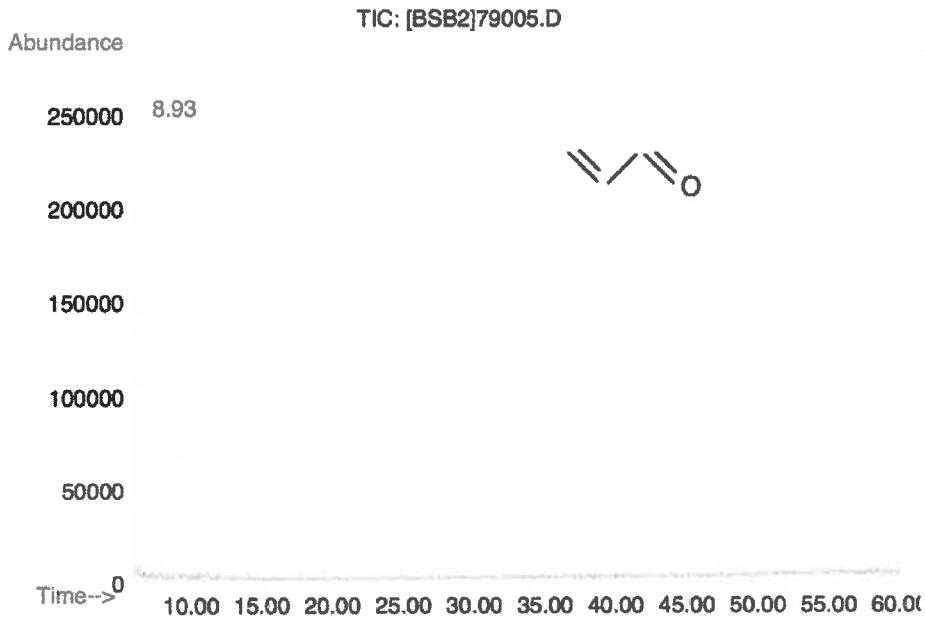
5E-05 Balance Uncertainty

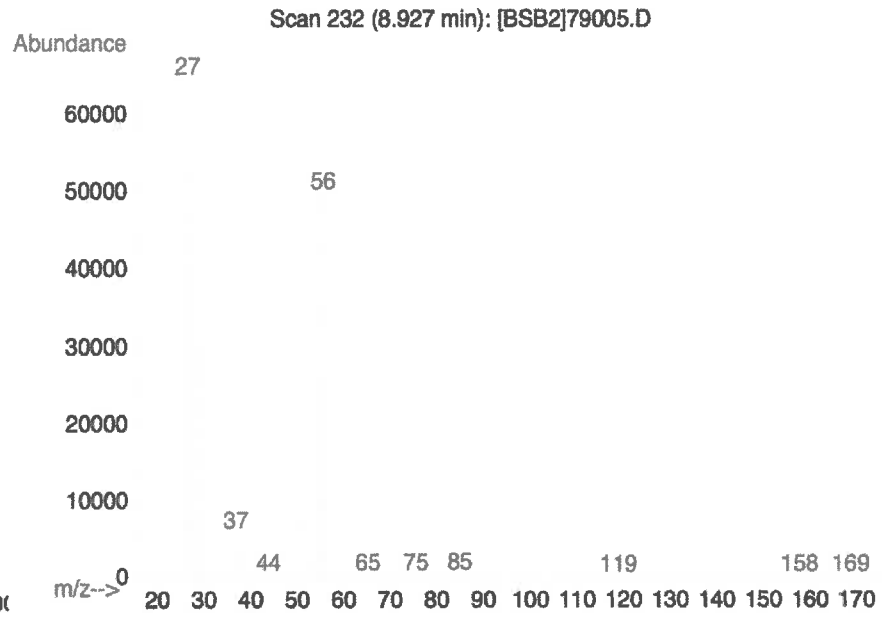
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

091525	
Formulated By: Anthony Mahoney	DATE
091525	
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	0.05176	5009.9	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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	091525
Description:	Acrolein
Expiration Date:	101525
Recommended Storage:	Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 041725Q

V15064 to V15068

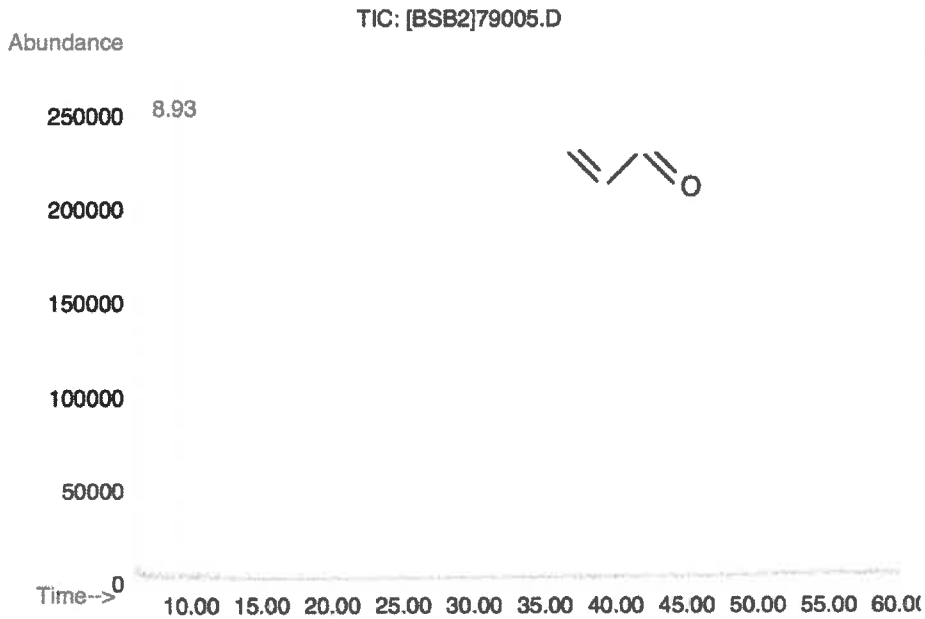
5E-05 Balance Uncertainty

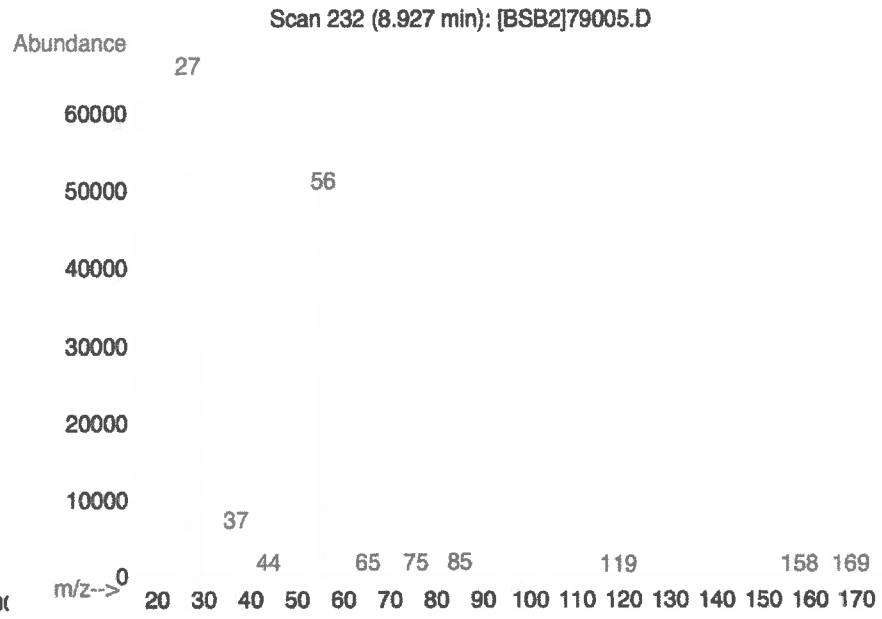
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

091525	
Formulated By: Anthony Mahoney	DATE
091525	
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	0.05176	5009.9	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

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q 3193
QUOTE NO.
COC Number 2045899

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivaudou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivaudou
e-mail: eleanor.vivaudou@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivaudou PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): standard DAYS*
EDD: standard 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: VOCs 8260 2: 1,4-dioxane 8270 sim 3: 4: 5: 6: 7: 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	F								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RW10-MW01D-20250923	GW		X	9/23	1215	9	6	3								MS/MSD
2.	TT14951-20250922	GW		X	9/22	1140	3	2	1								
3.	RE137-20250922	GW		X	9/22	0855	3	2	1								
4.	RW4-20250922	GW		X	9/22	0815	3	2	1								
5.	GM38-RW3-MW1-20250922	GW		X	9/22	1015	3	2	1								
6.	TT20551-20250923	GW		X	9/23	1050	3	2	1								
7.	RW10A-MW01I-20250923	GW		X	9/23	1535	3	2	1								
8.	RW8-MW01S-20250923	GW		X	9/23	1215	3	2	1								
9.	TT17251-20250923	GW		X	9/23	0930	3	2	1								
10.	DUP12-20250923	GW		X	9/23	1100	3	2	1								

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Josh Lawton	9/24/2025 1500	1. 9-24-25 1500
2.		2.
3.	9-24-25 1730	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.5 °C
Comments:

Page 1 of 3 (4 pages)

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3193
COC Number 2045900

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivaudou
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 60731872 LOCATION: Bethpage, NY
PROJECT MANAGER: Eleanor Vivaudou
e-mail: eleanor.vivaudou@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Eleanor Vivaudou PO#:
ADDRESS: 27 Ellis Place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): standard DAYS*
EDD: standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: VOCs 8260 2: 1,4 dioxane 8270 SIM 3: 4: 5: 6: 7: 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (F)	3	4	5	6	7	8	9	COMMENTS
1.	RW10A-MW015-20250923	GW		X	9/23	1515	3	2	1								
2.	RW8-MW01D1-20250923	GW		X	9/23	1047	3	2	1								
3.	DUP11-20250923	GW		X	9/23	1305	3	2	1								
4.	TT16151-20250923	GW		X	9/23	1245	3	2	1								
5.	RE103D1-20250923	GW		X	9/23	1015	3	2	1								
6.	MW203D-20250923	GW		X	9/23	1020	3	2	1								
7.	EB04-20250923	~~GW~~ AQ		X	9/23	1315	3	2	1								Equipment Blank
8.	TT174I1-20250924	GW		X	9/24	1020	3	2	1								
9.	TT16251-20250924	GW		X	9/24	1125	3	2	1								
10.	RE12003-20250924	GW		X	9/24	0935	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. Josh Lawton	1500 9/24/2025	1. 1500 9-24-25
2.		2.
3.	1730 9-24-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments:

Page 2 of 4 (3)

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3193 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 9/25/2025 9:02:00 AM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 9/24/2025 5:30:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/25/2025 11:57:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3193-01	RW10-MW01D-20250923	Water	09/23/2025	12:15	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-02	Q3193-01MS	Water	09/23/2025	12:15	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-03	Q3193-01MSD	Water	09/23/2025	12:15	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-04	TT149S1-20250922	Water	09/22/2025	11:40	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-05	RE137-20250922	Water	09/22/2025	08:55	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-06	RW4-20250922	Water	09/22/2025	08:15	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-07	GM38-RW3-MW1-20250922	Water	09/22/2025	10:15	VOCMS Group1		8260-Low		10 Bus. Days
Q3193-08	TT20551-20250923	Water	09/23/2025	10:50					

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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LOGIN REPORT/SAMPLE TRANSFER

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EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/25/2025 11:57:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-09	RW10A-MW01I-20250923	Water	09/23/2025	15:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-10	RW8-MW01S-20250923	Water	09/23/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-11	TT172S1-20250923	Water	09/23/2025	09:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-12	DUP12-20250923	Water	09/23/2025	11:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-13	RW10A-MW01S-20250923	Water	09/23/2025	15:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-14	RW8-MW01D1-20250923	Water	09/23/2025	10:47					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-15	DUP11-20250923	Water	09/23/2025	13:05					
					VOCMS Group1		8260-Low	10 Bus. Days	

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Project Mgr : Deepak
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EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 9/25/2025 11:57:31 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3193-16	TT161S1-20250923	Water	09/23/2025	12:45					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-17	RE103D1-20250923	Water	09/23/2025	10:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-18	MW203D-20250923	Water	09/23/2025	10:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-19	EB04-20250923	Water	09/23/2025	13:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-20	TT174I1-20250924	Water	09/24/2025	10:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-21	TT162S1-20250924	Water	09/24/2025	11:25					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3193-22	RE120D3-20250924	Water	09/24/2025	09:35					
					VOCMS Group1		8260-Low	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3193 AECO15
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Project Mgr :
Report Type : ~~Results Only~~ NYS B
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

Relinguished By :
Date / Time : 9/25/25 1135

Received By : SAM
Date / Time : 09/25/25 11:25 Log #4

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.934	65	41500	10.583	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	21.160%#			
35) Dibromofluoromethane	5.367	113	31188	10.300	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.600%#			
50) Toluene-d8	8.628	98	103865	9.913	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	19.820%#			
62) 4-Bromofluorobenzene	11.061	95	47321	11.900	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	23.800%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
5) Bromomethane	1.624	94	2304	1.107	ug/l		99
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
10) Methyl Iodide	2.459	142	3509	0.790	ug/l	#	86
11) Tert butyl alcohol	2.934	59	1850	4.236	ug/l	#	72
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
13) Acrolein	2.239	56	1440	3.578	ug/l	#	65
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
31) Cyclohexane	5.458	56	4668	0.901	ug/l		90
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	404	10.329	ug/l	#	52
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	4568	1.117	ug/l		80
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.006	75	960	0.599	ug/l	#	95
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	11.951	146	5907	0.819	ug/l		98
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

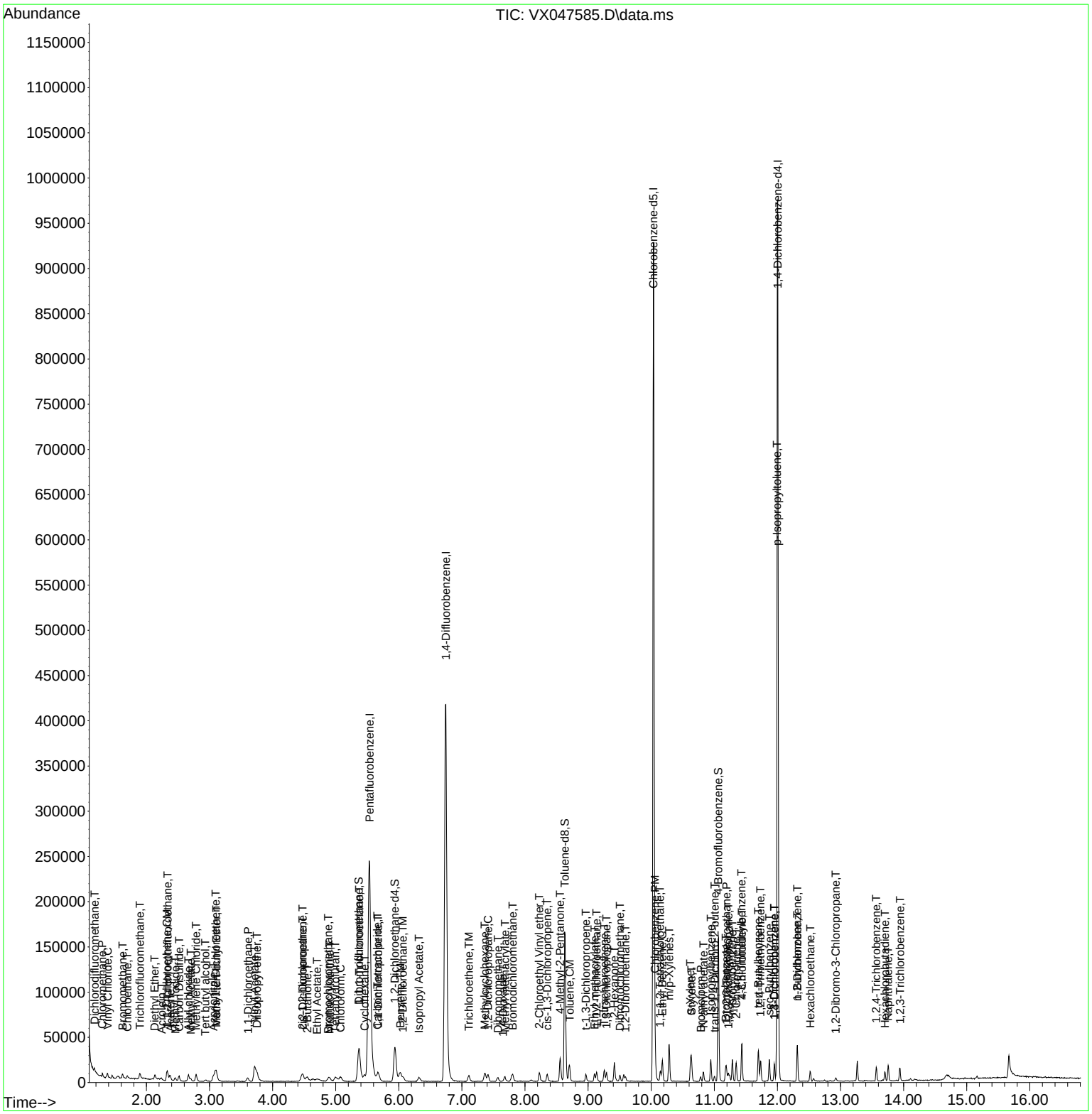
(#) = qualifier out of range (m) = manual integration (+) = signals summed

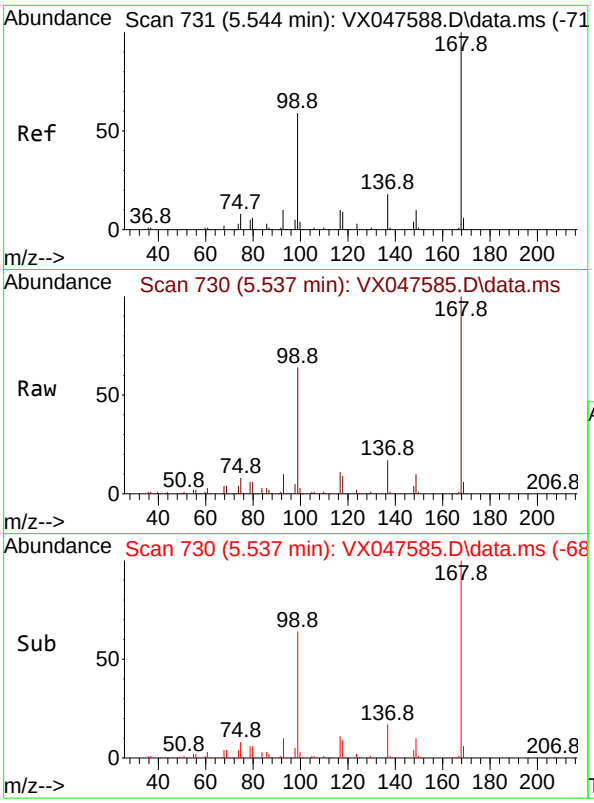
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



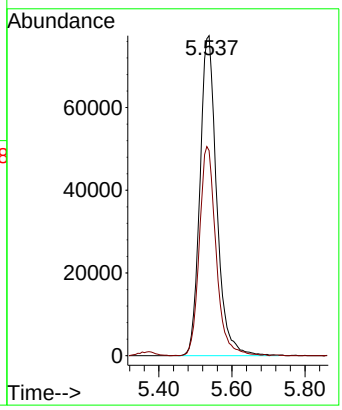


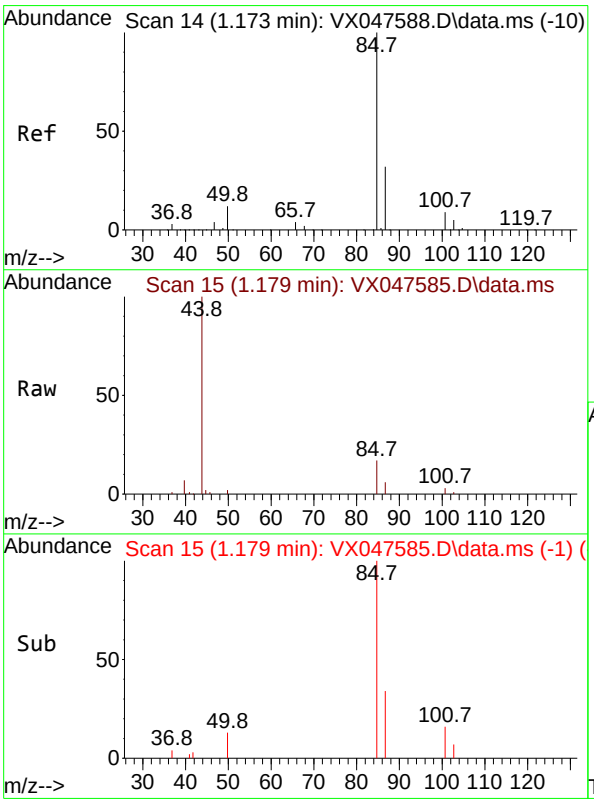
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 246348

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

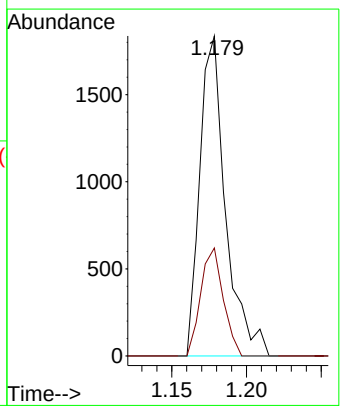


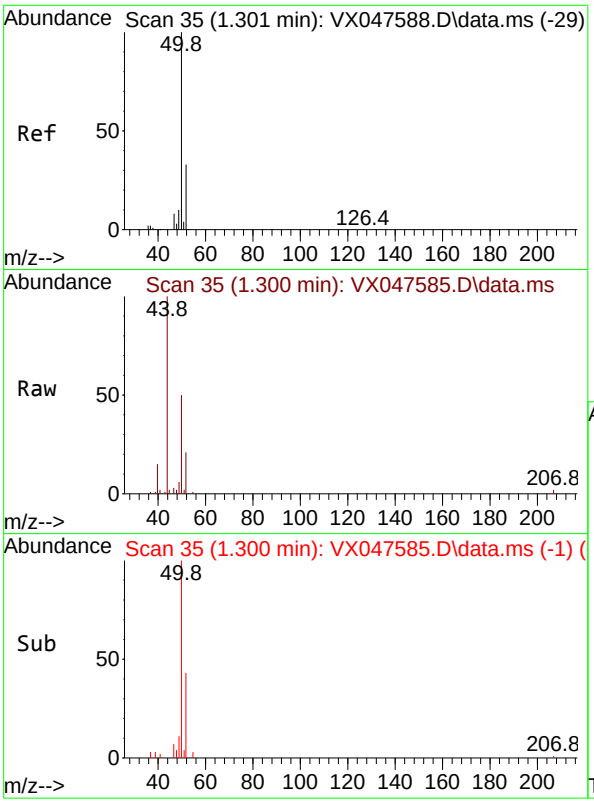


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3



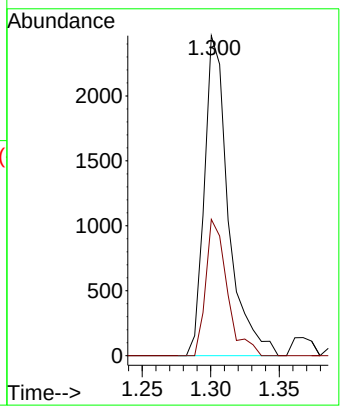


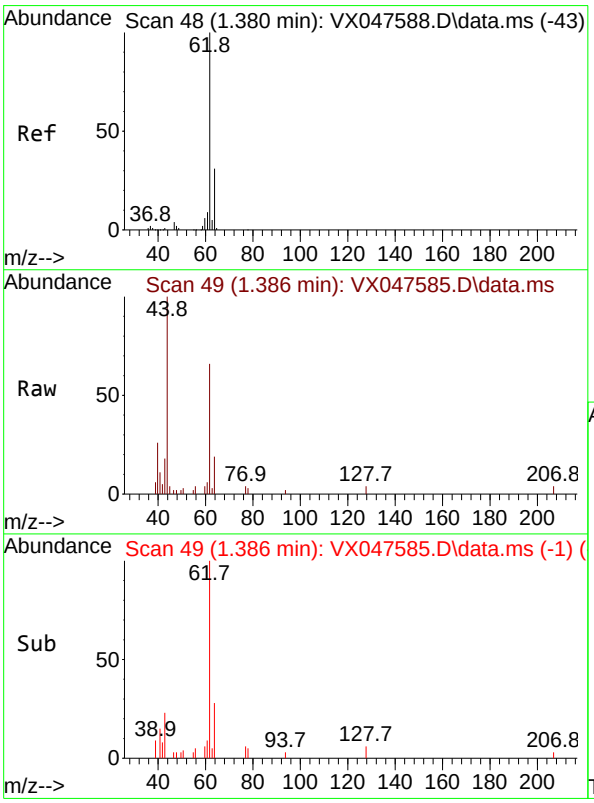
#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3006

Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#

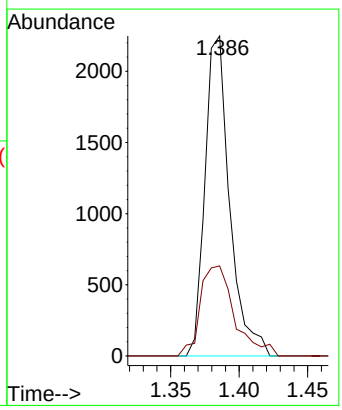


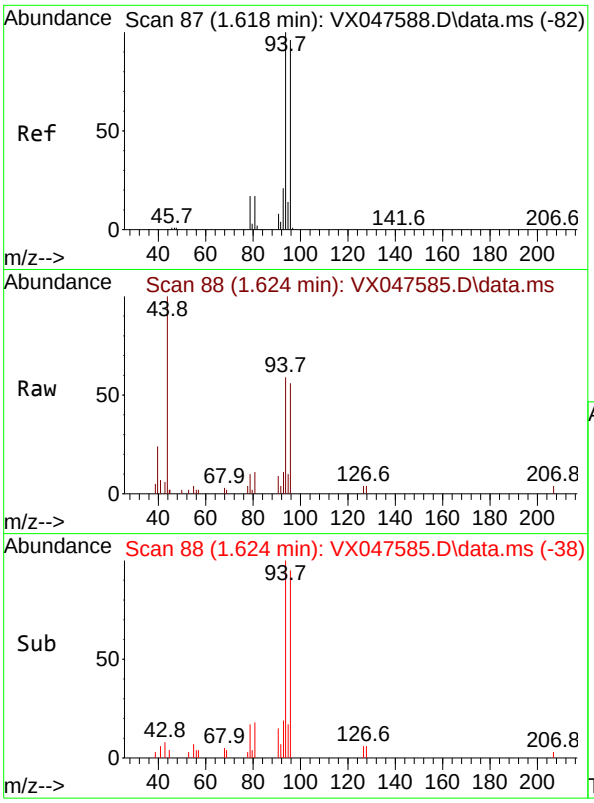


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3



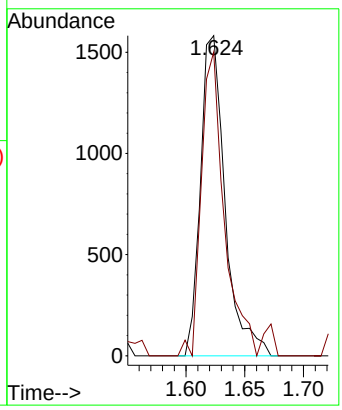


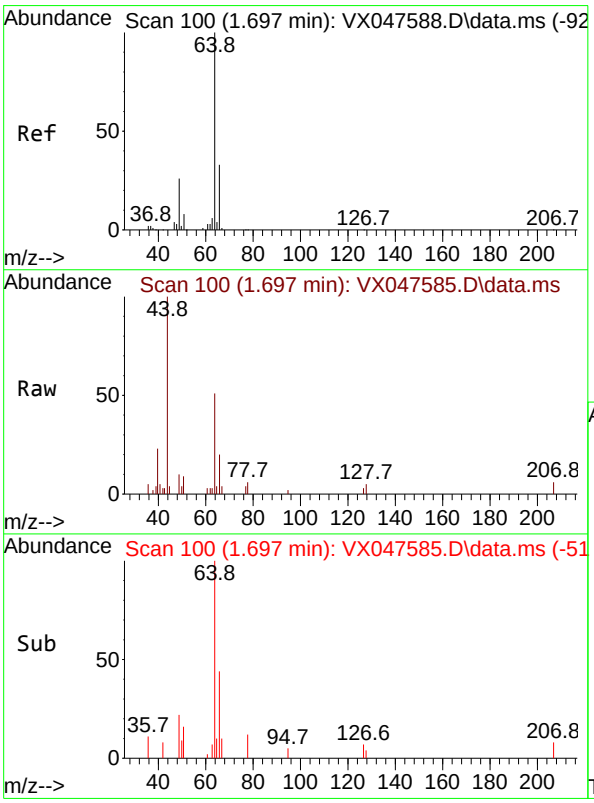
#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2304

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.6	115.0

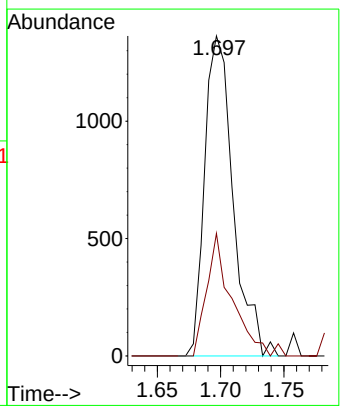


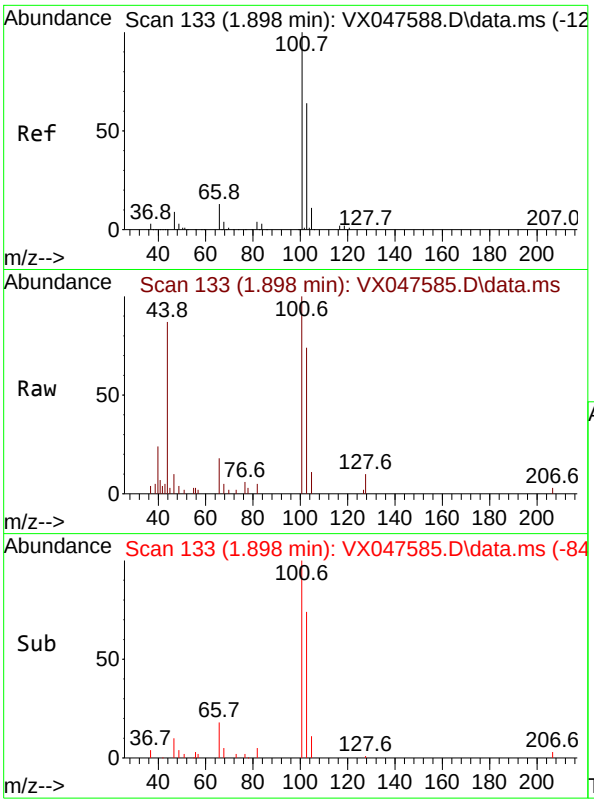


#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



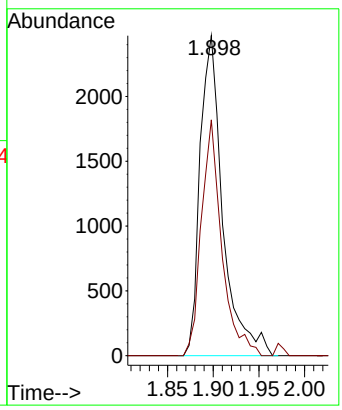


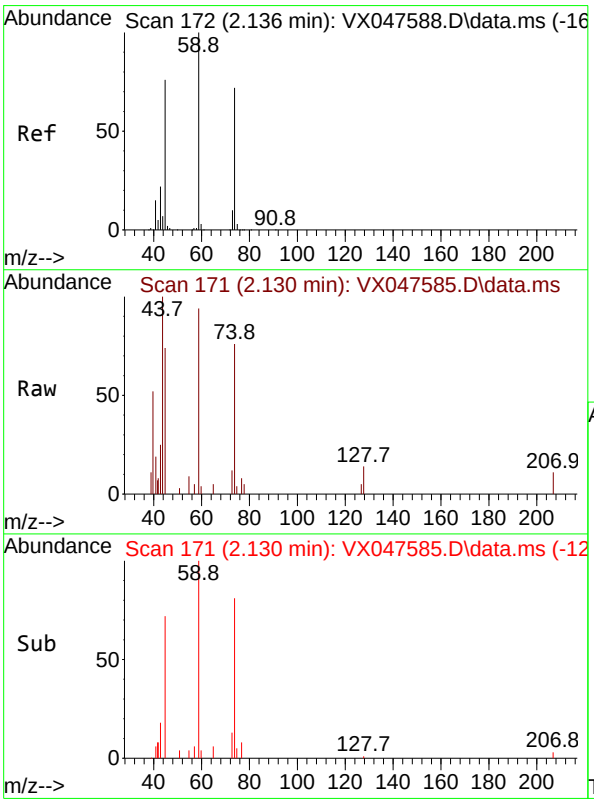
#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

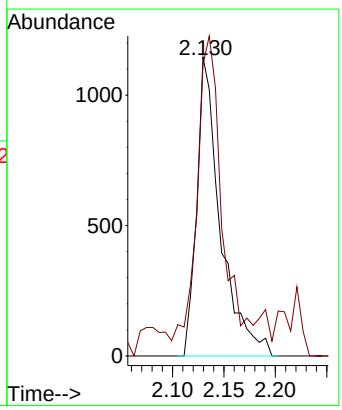


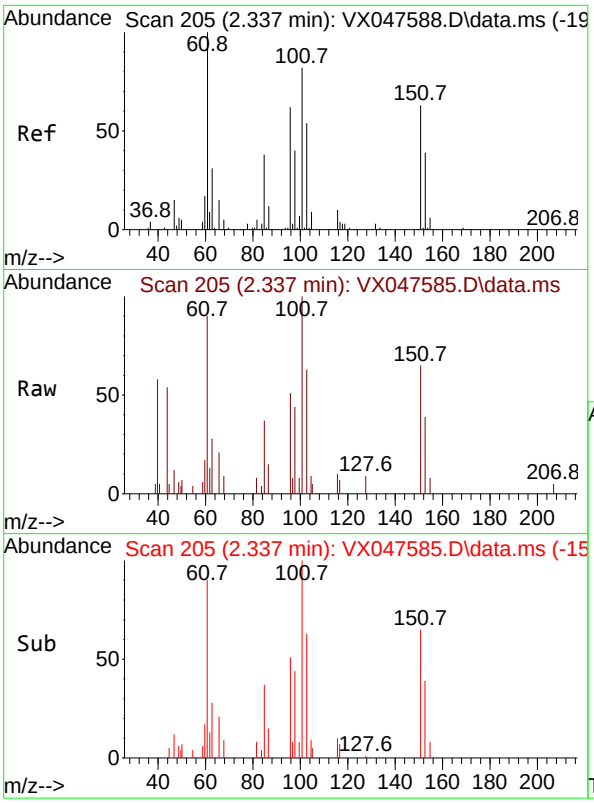


#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



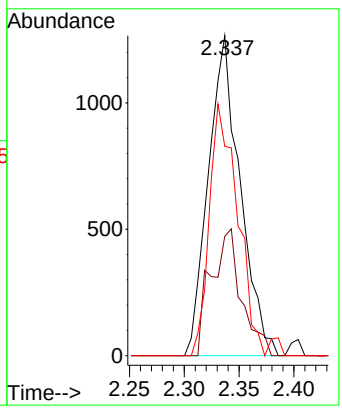


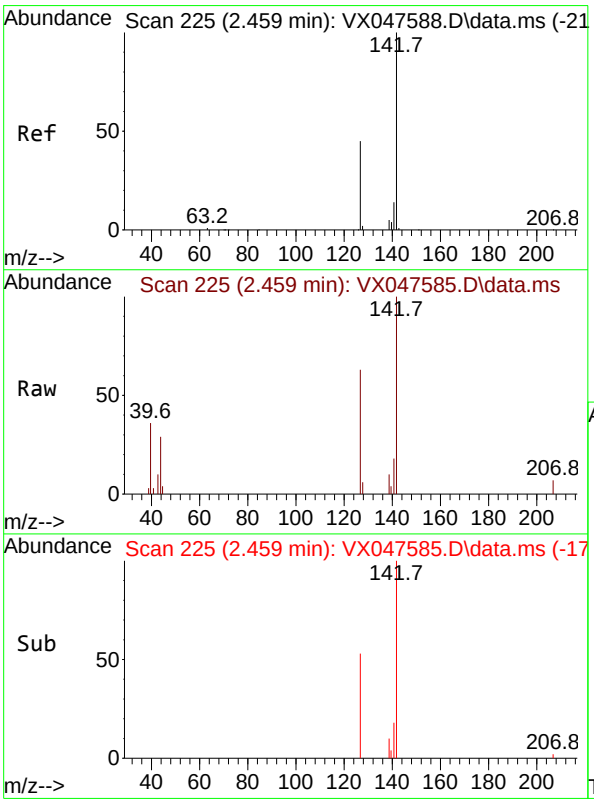
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

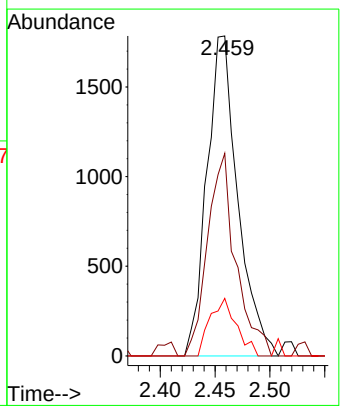


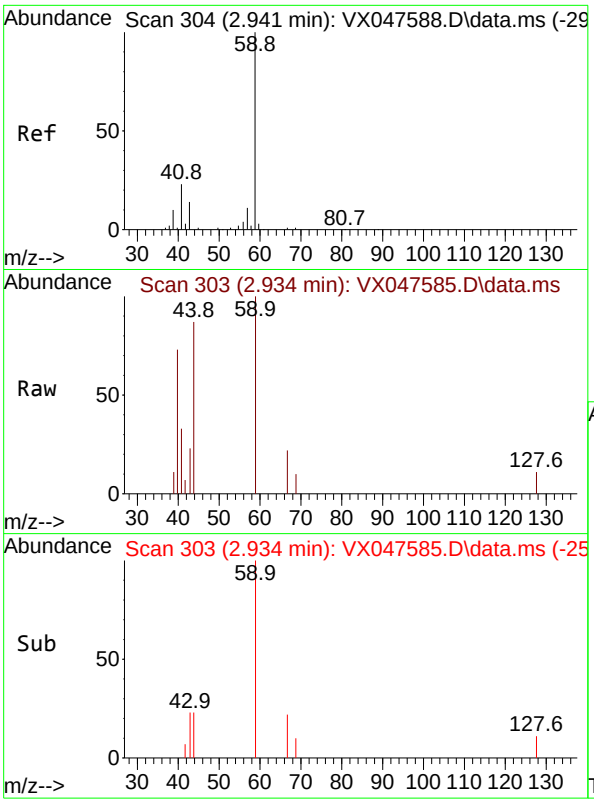


#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:142 Resp: 3509

Ion	Ratio	Lower	Upper
142	100		
127	57.7	37.2	55.8#
141	15.3	11.4	17.0



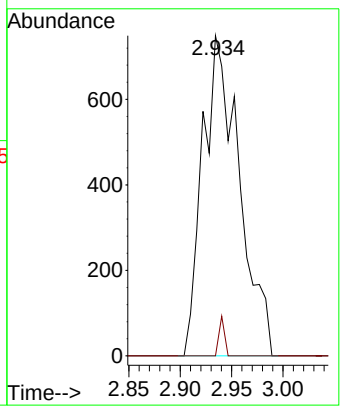


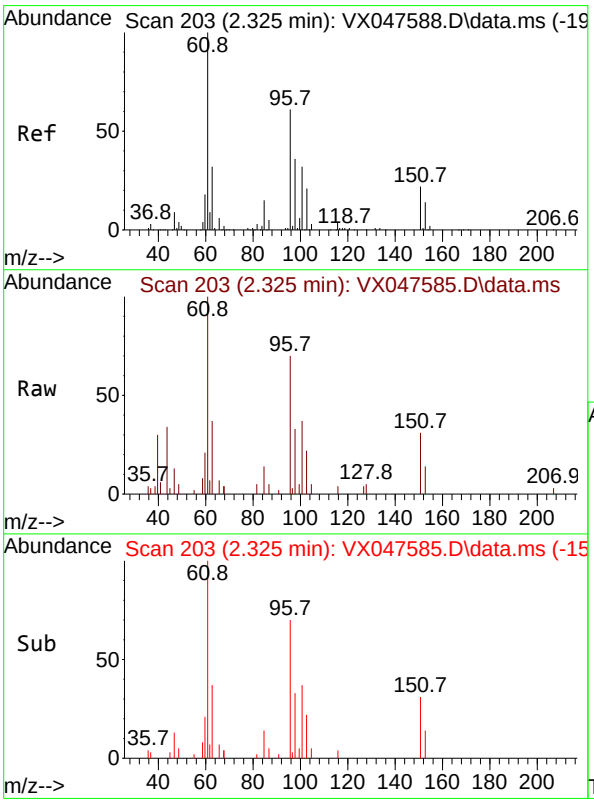
#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1850

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

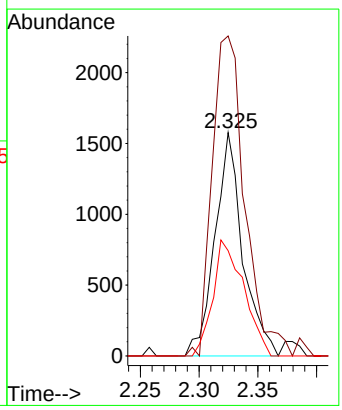


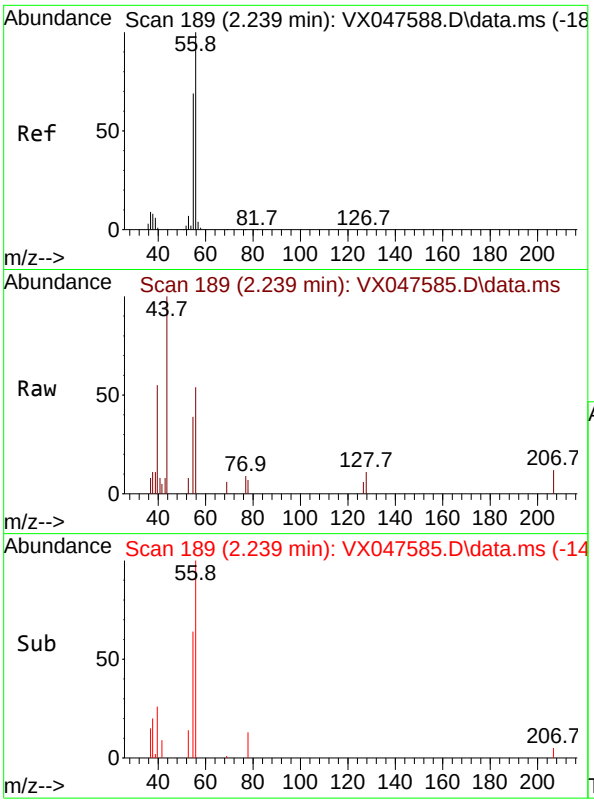


#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 2594

Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5#



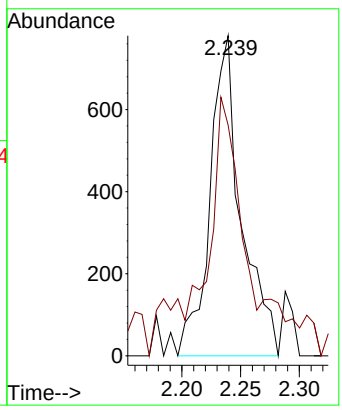


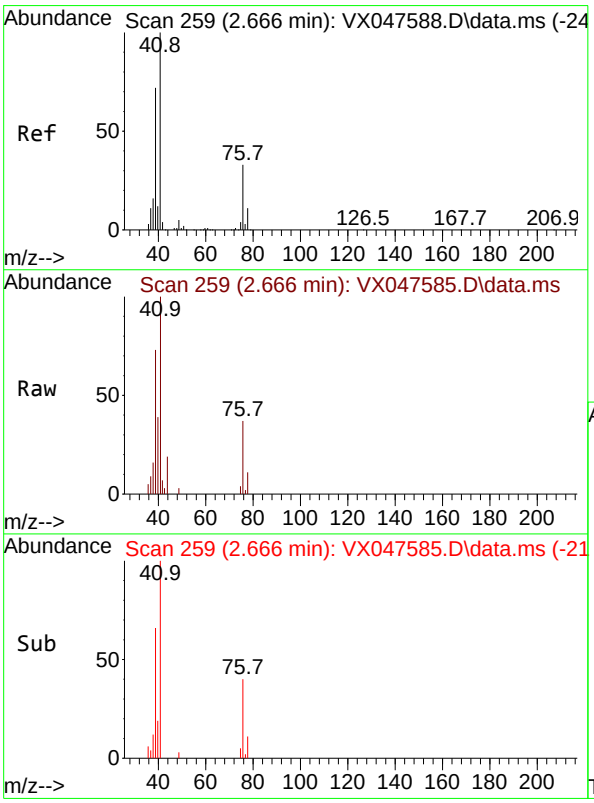
#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1440

Ion	Ratio	Lower	Upper
56	100		
55	100.3	57.2	85.8#

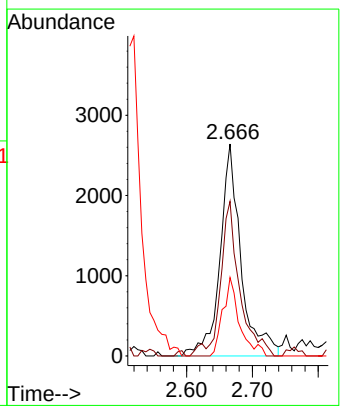


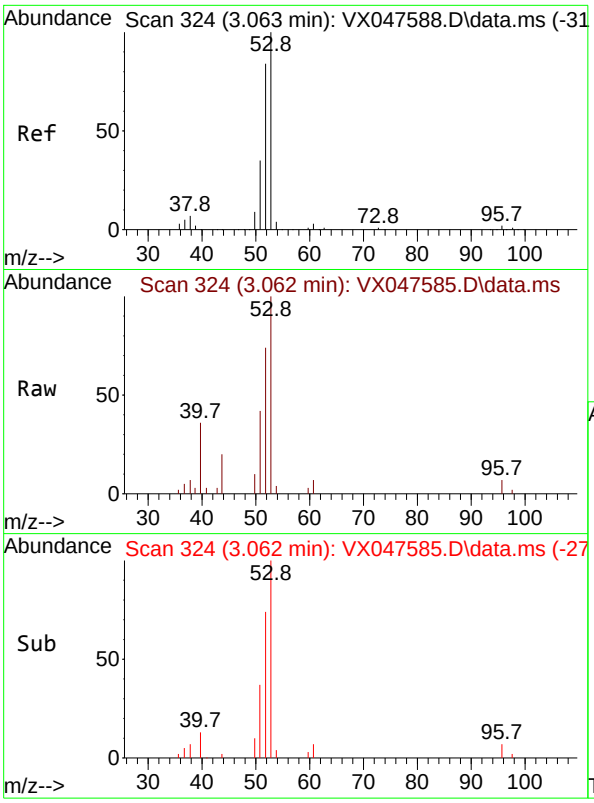


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5



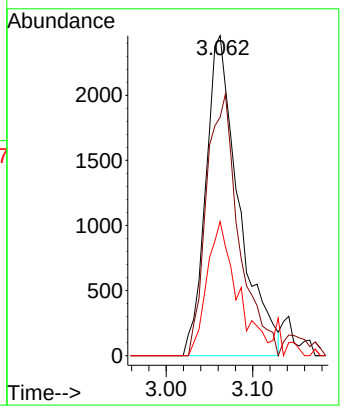


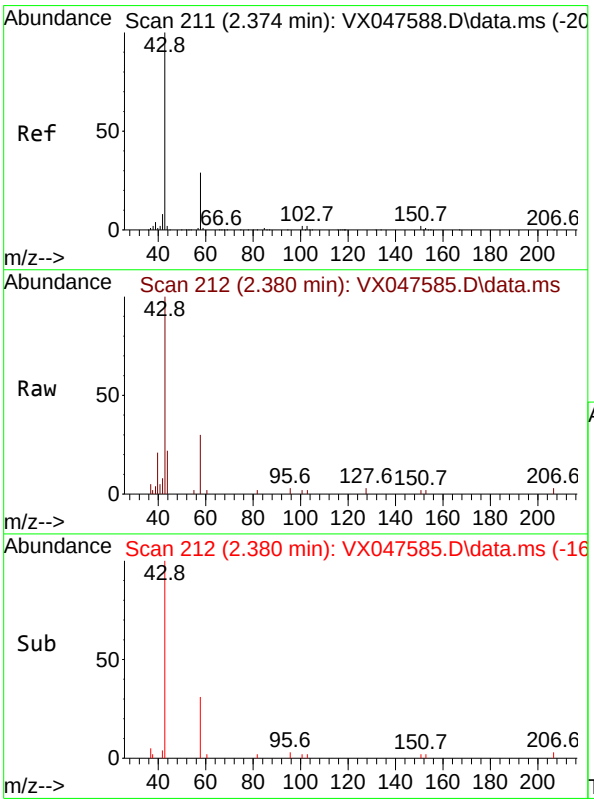
#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 6500

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3

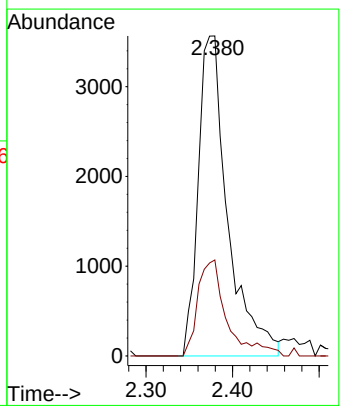


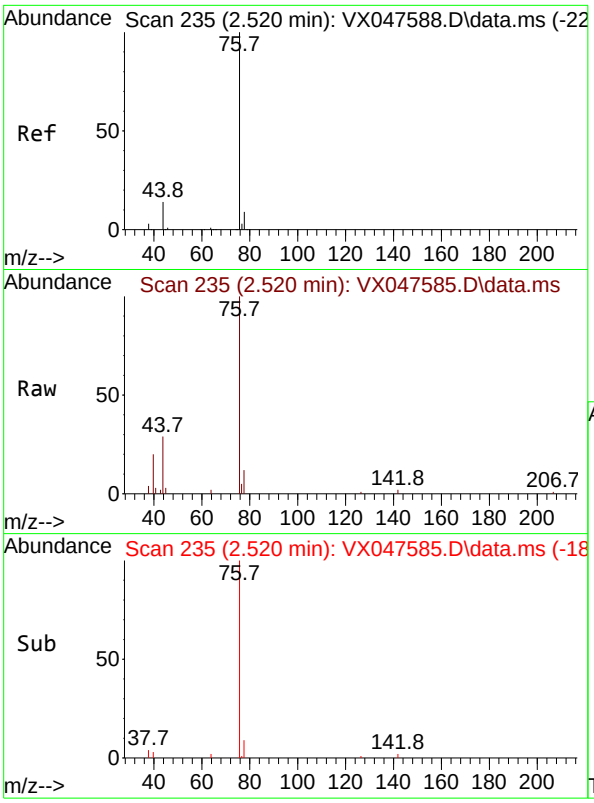


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



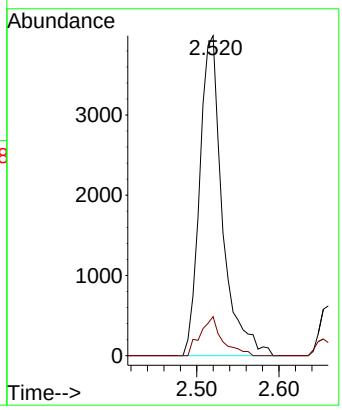


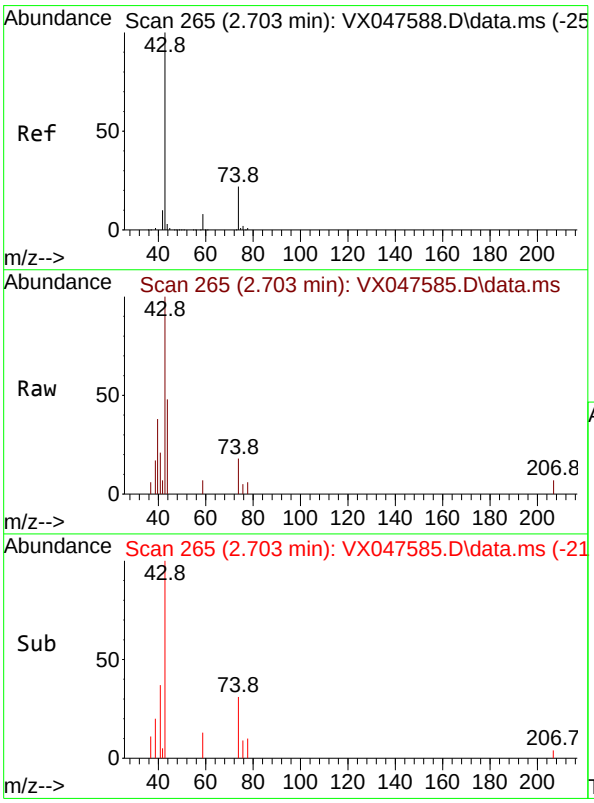
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7662

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2#

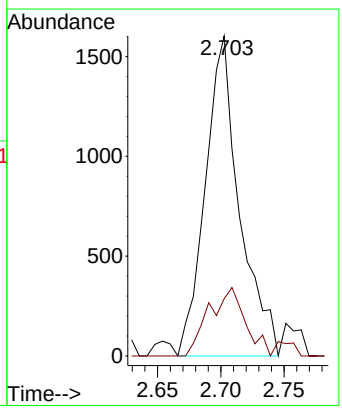


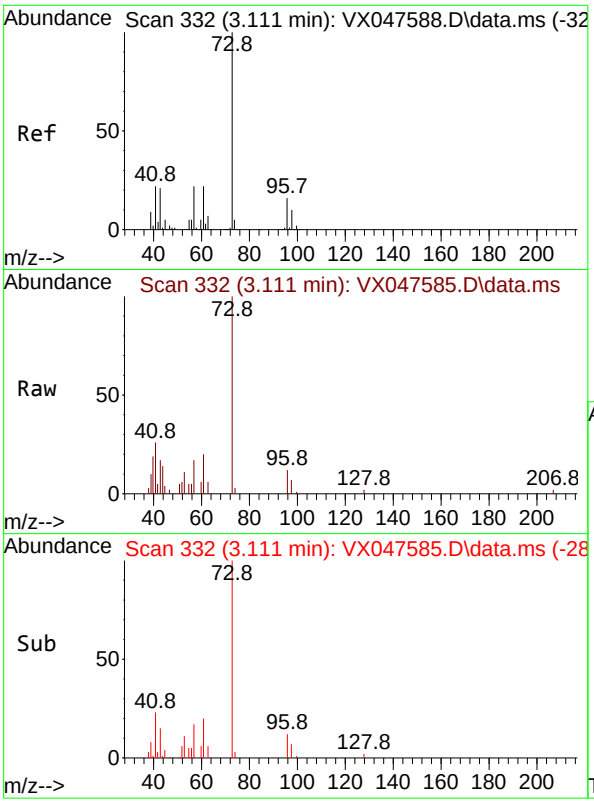


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



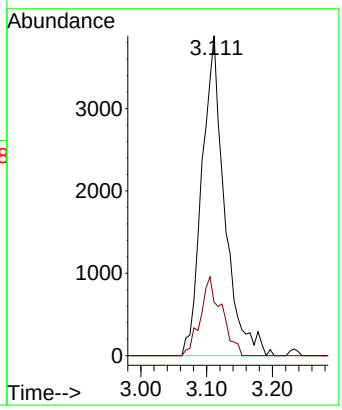


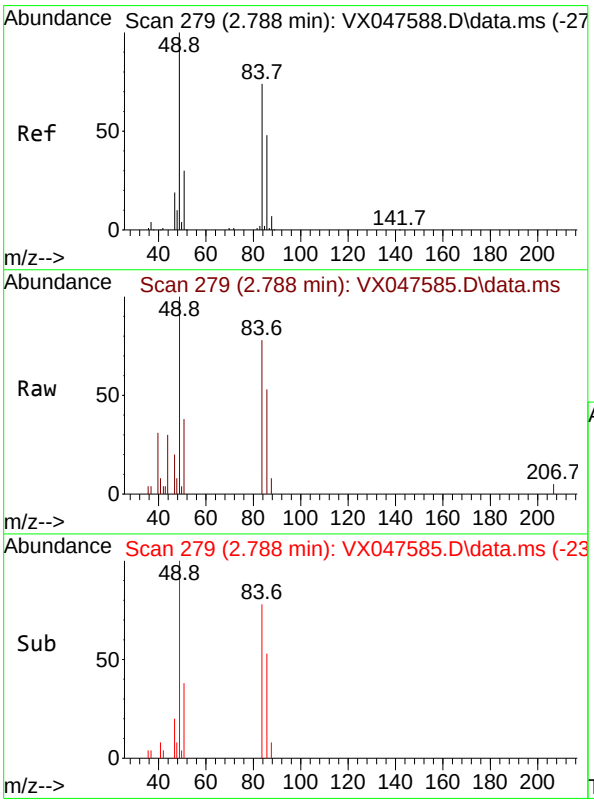
#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9281

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2#

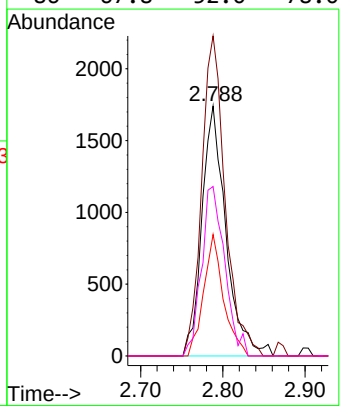


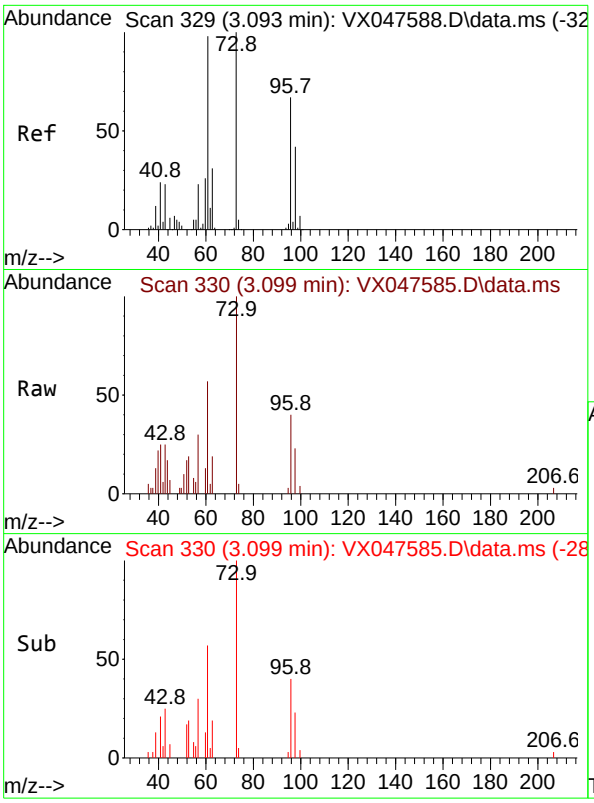


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0



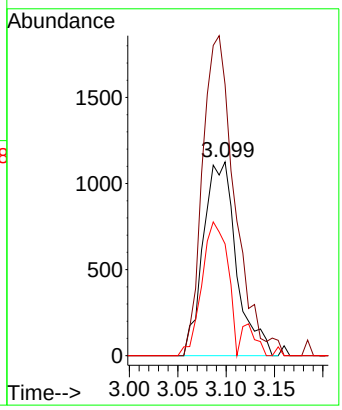


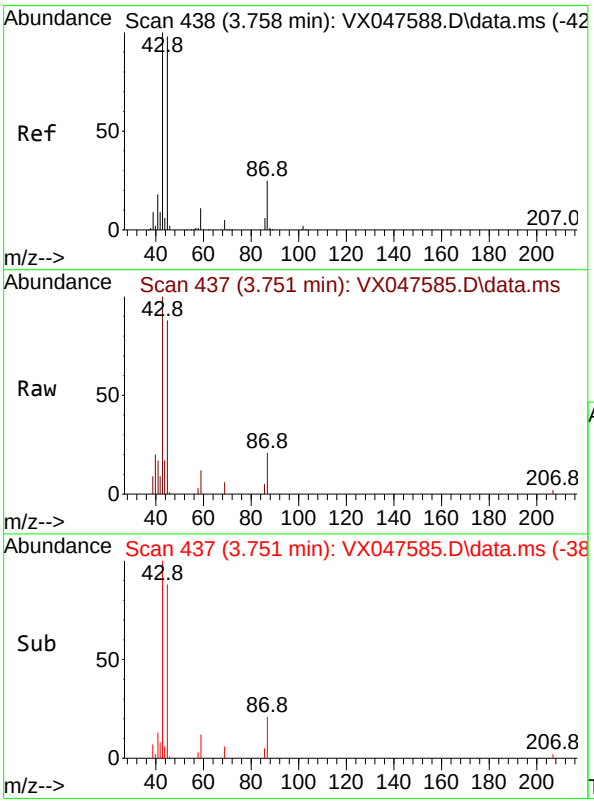
#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2676

Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9

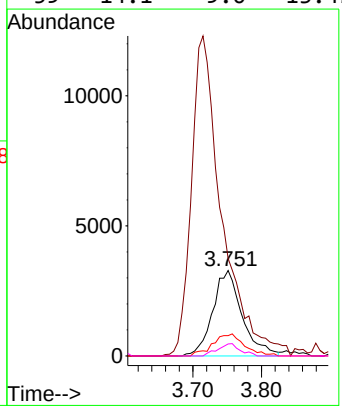


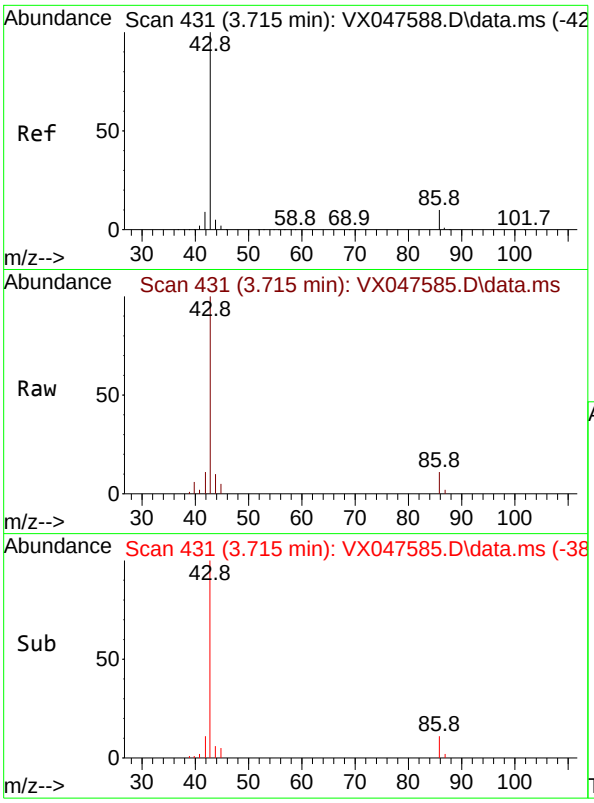


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#



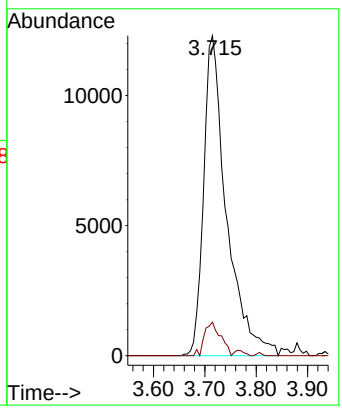


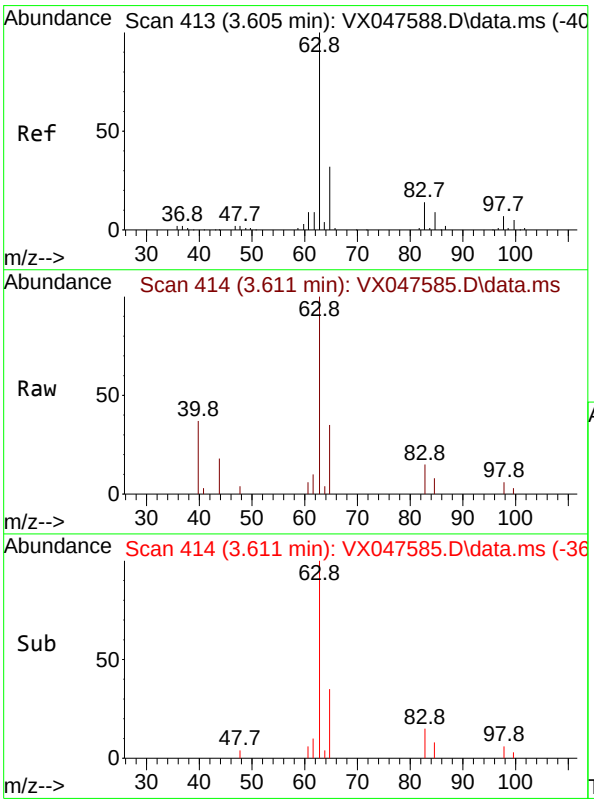
#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37962

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

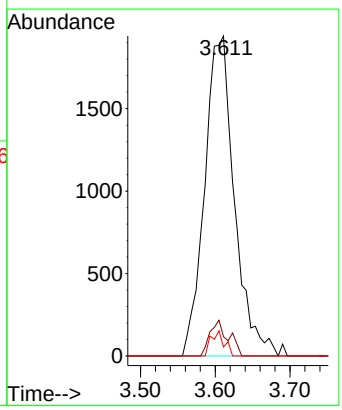


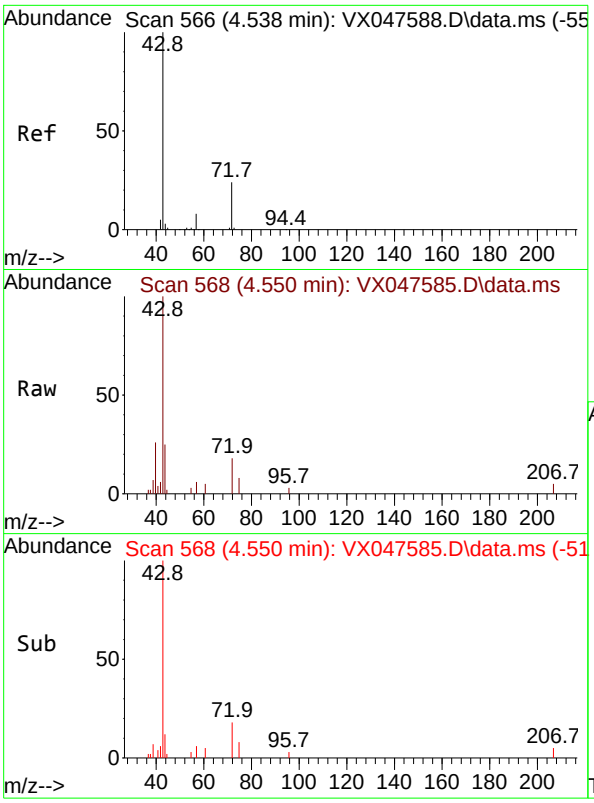


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9



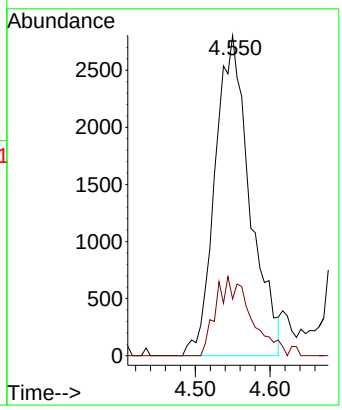


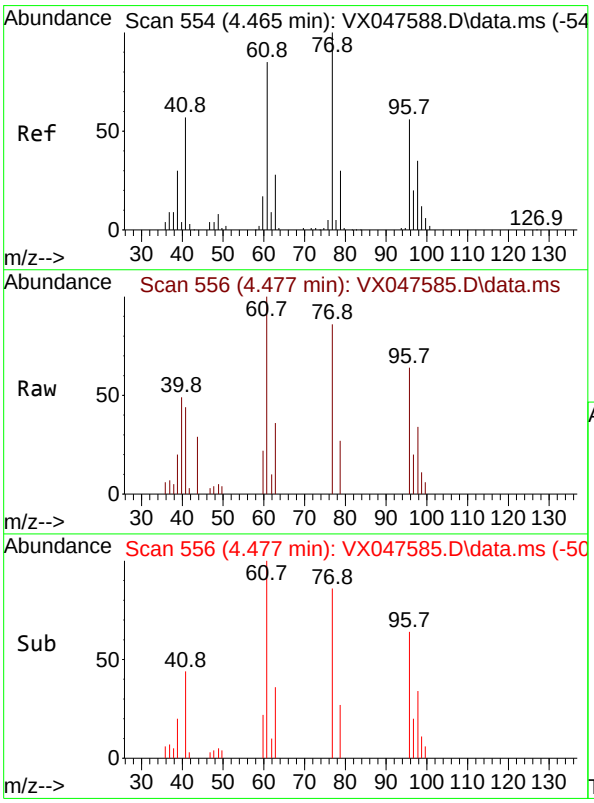
#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9105

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

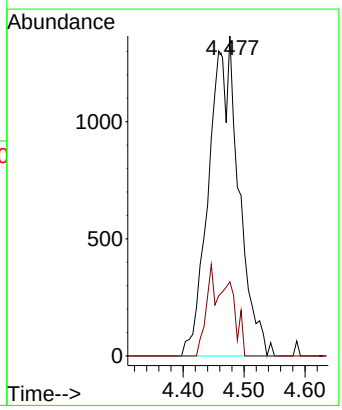


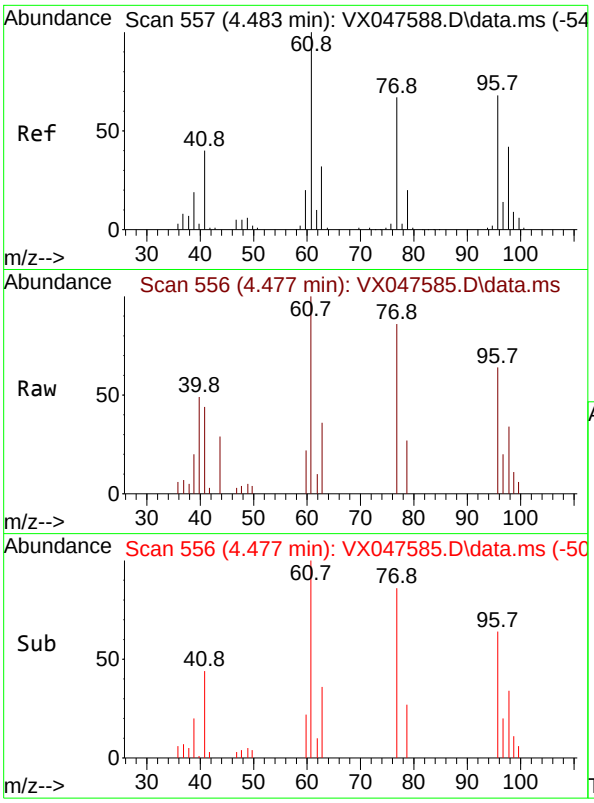


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7



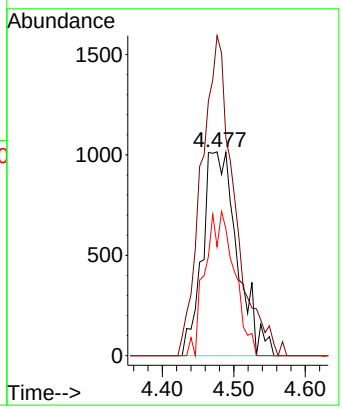


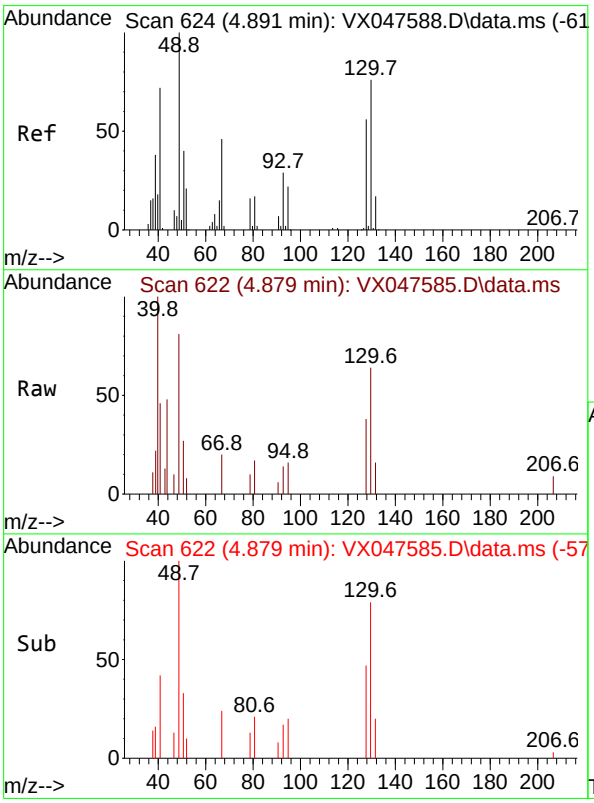
#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3440

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8

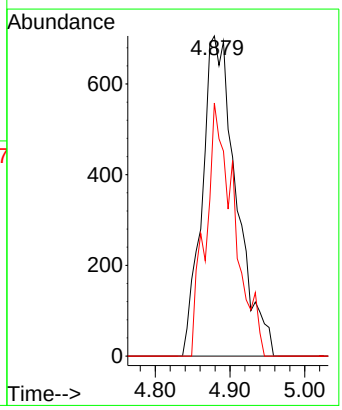


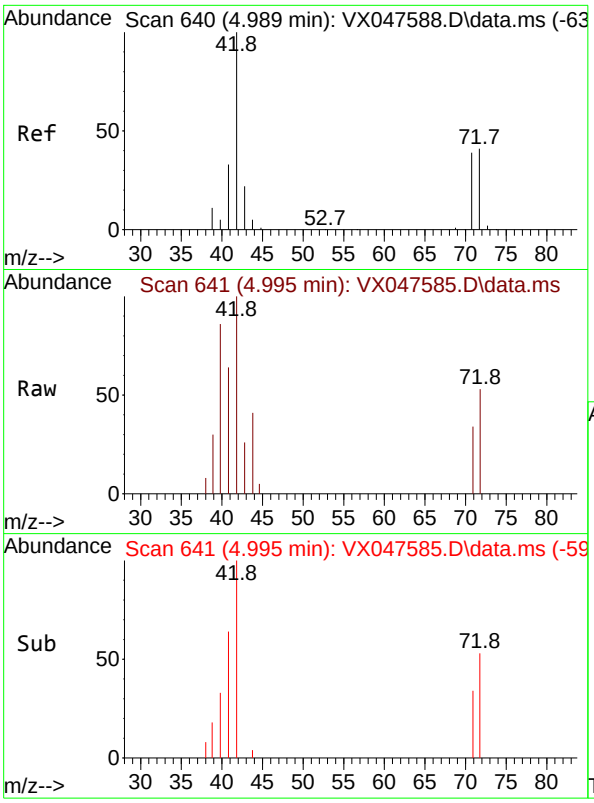


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8



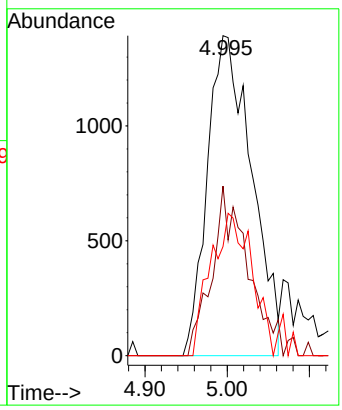


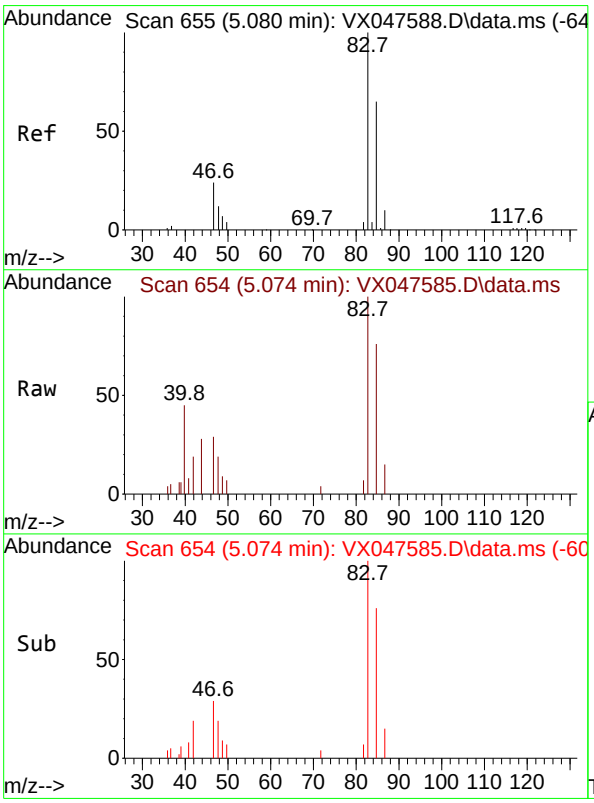
#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 5210

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

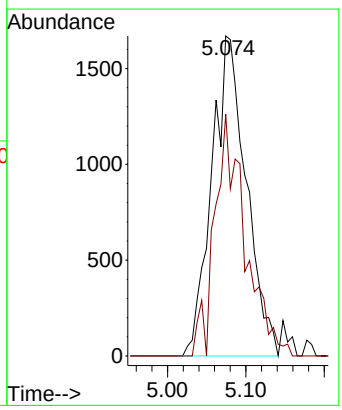


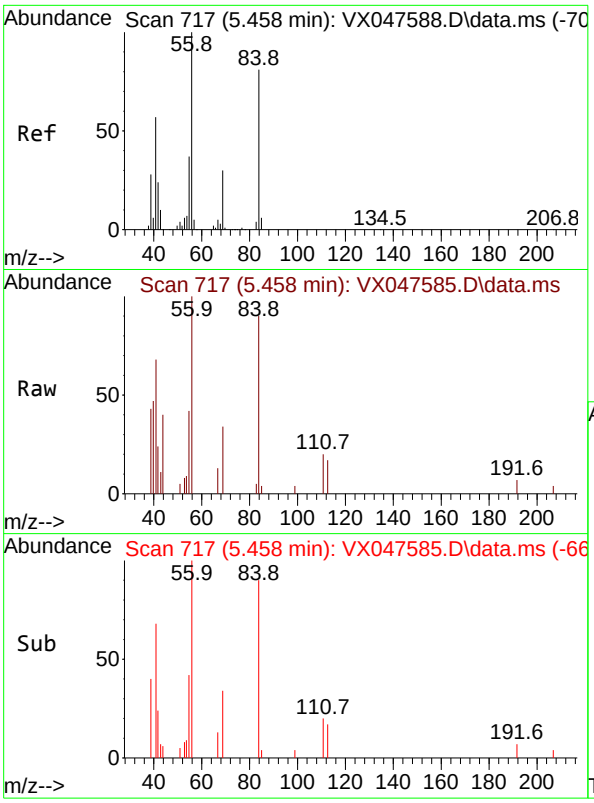


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6



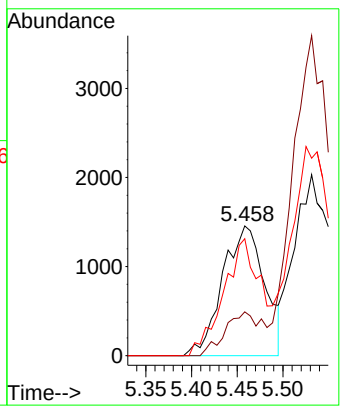


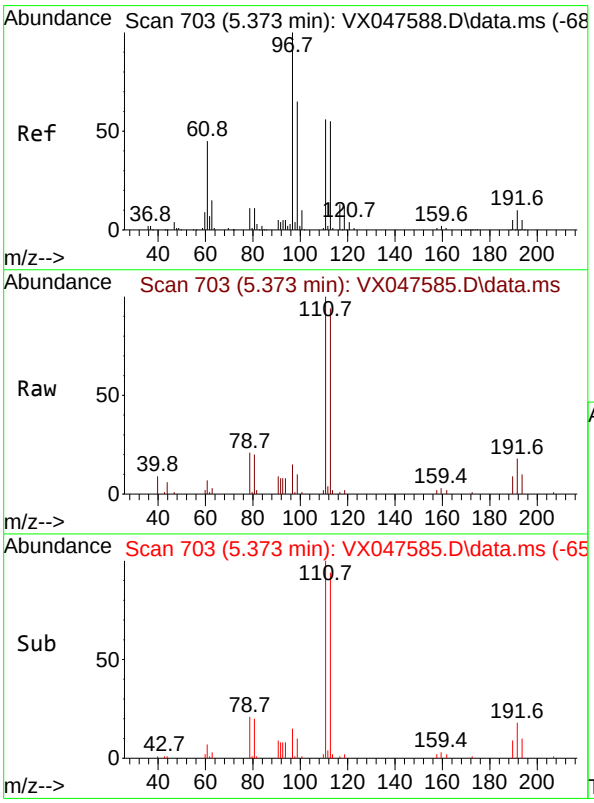
#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 4668

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.8
84	90.0	64.6	97.0

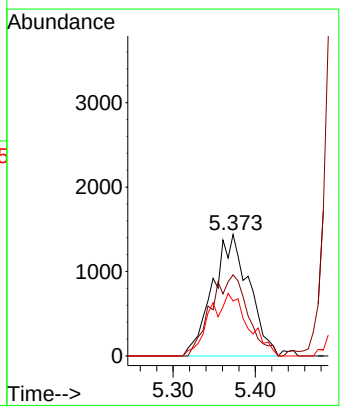


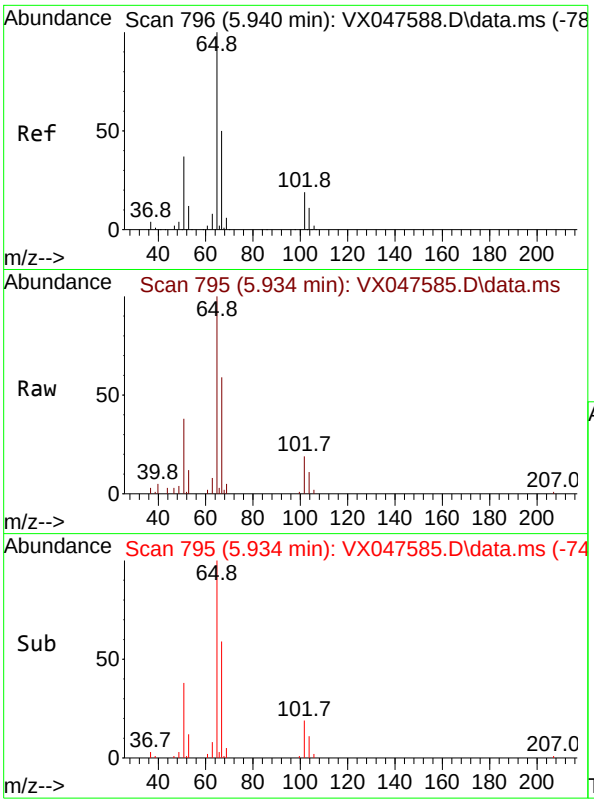


#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 4439

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	36.2	35.8	53.8



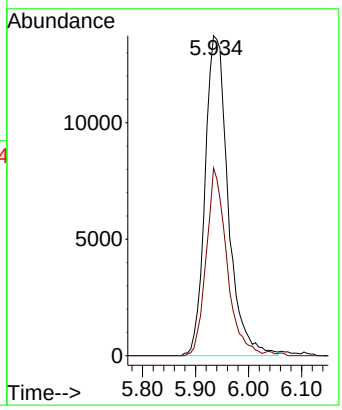


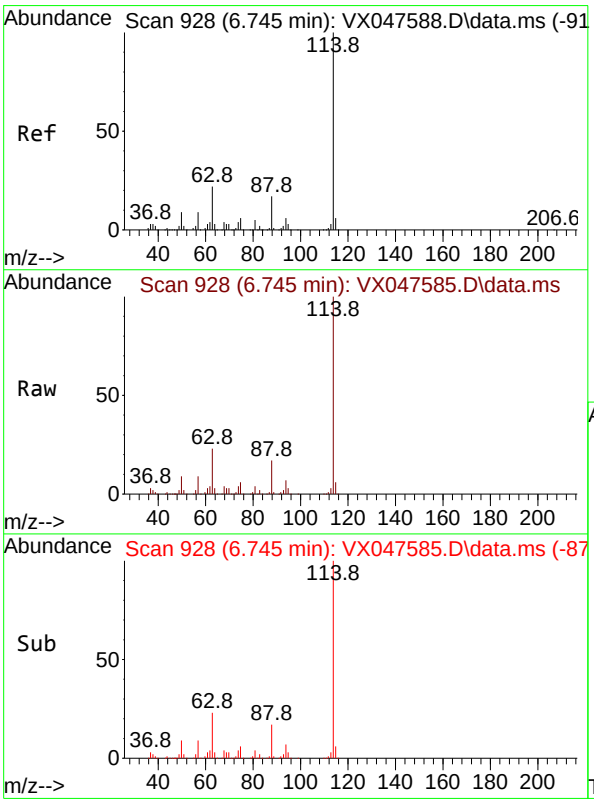
#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 41500

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

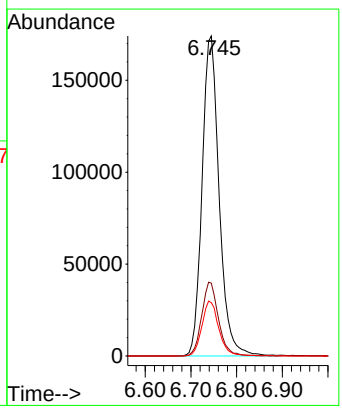


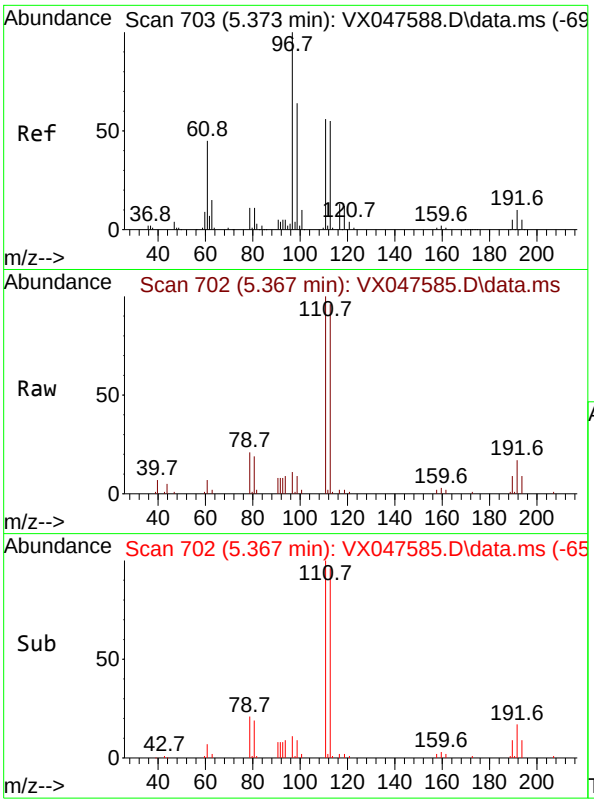


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 451502

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2



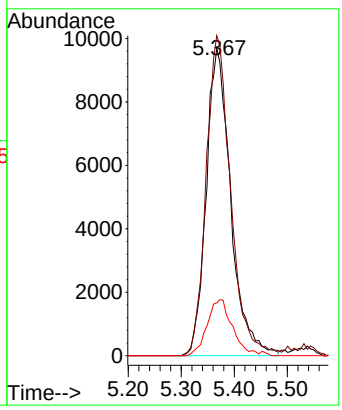


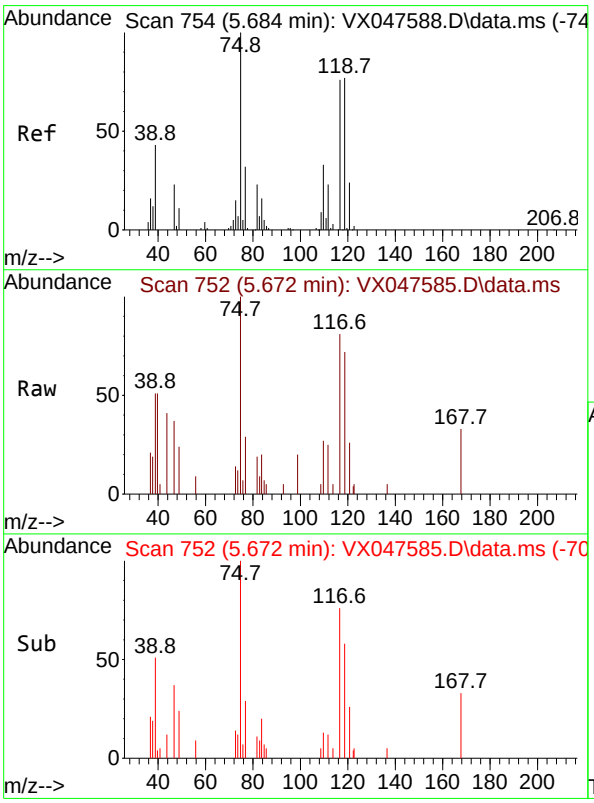
#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 31188

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.6	14.2	21.4

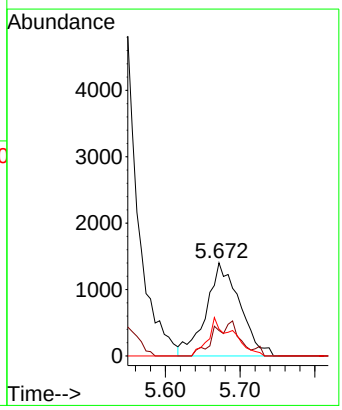


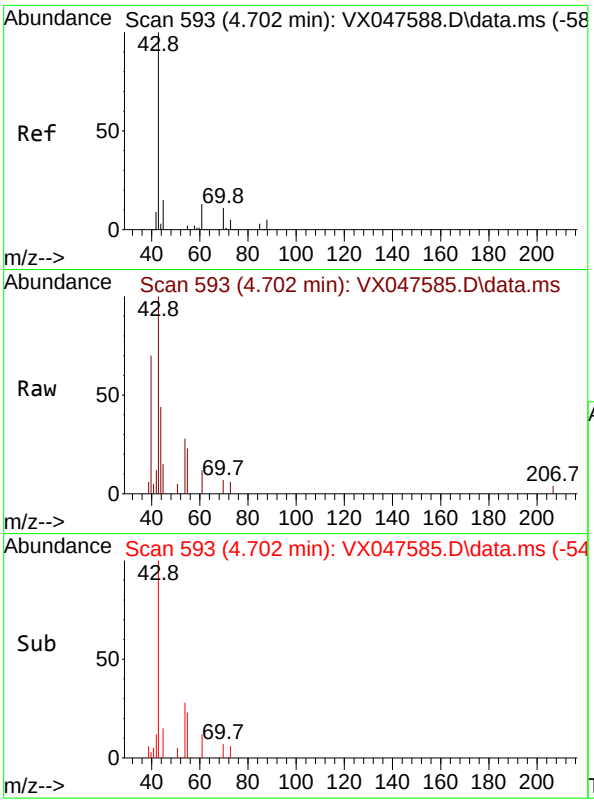


#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4373

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



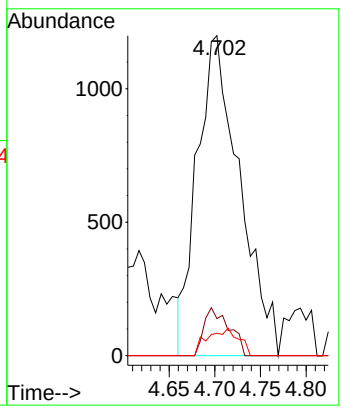


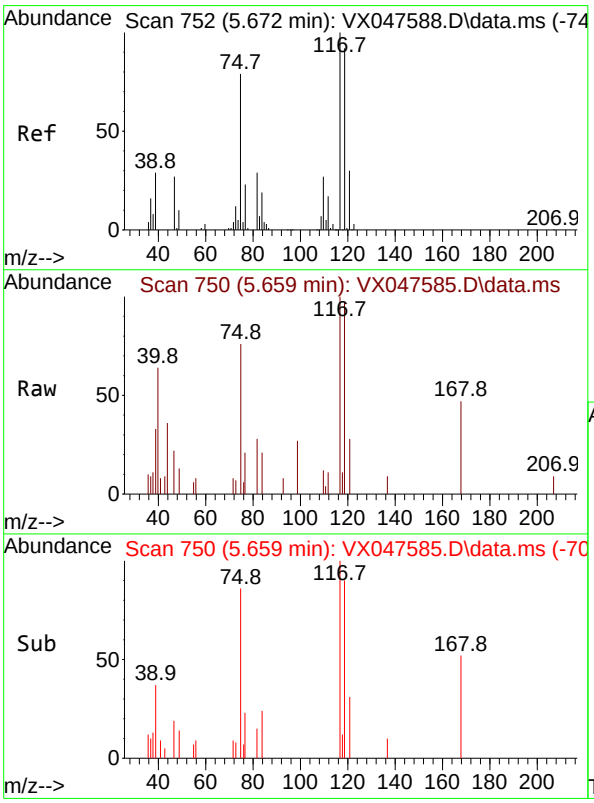
#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

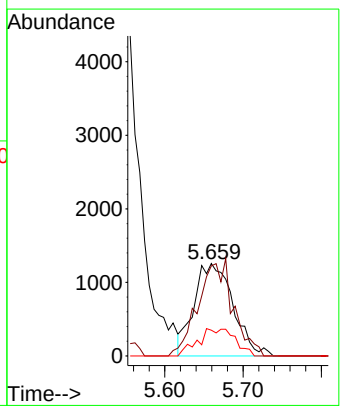


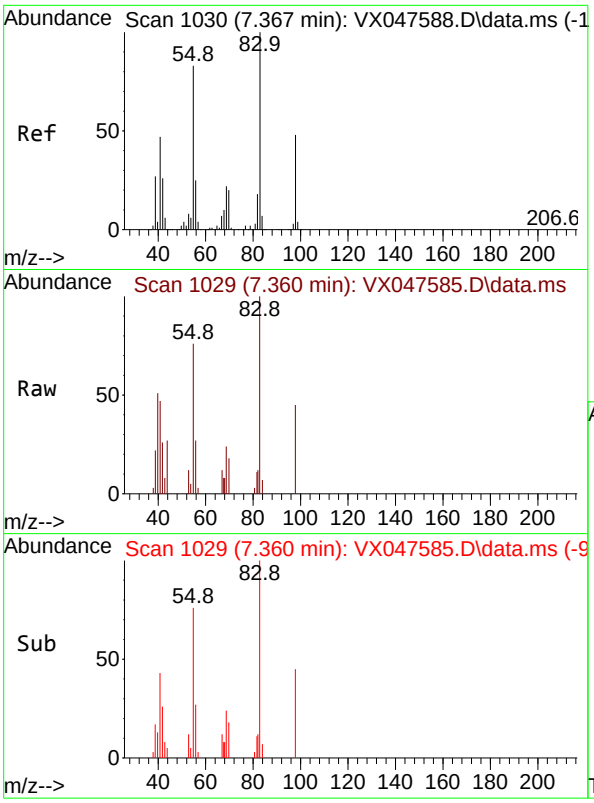


#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 4349

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



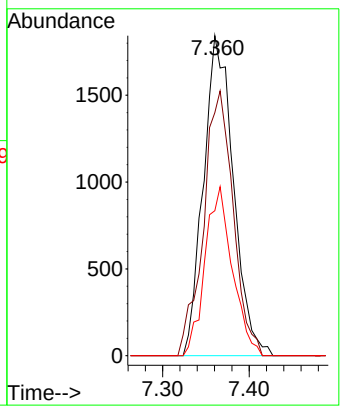


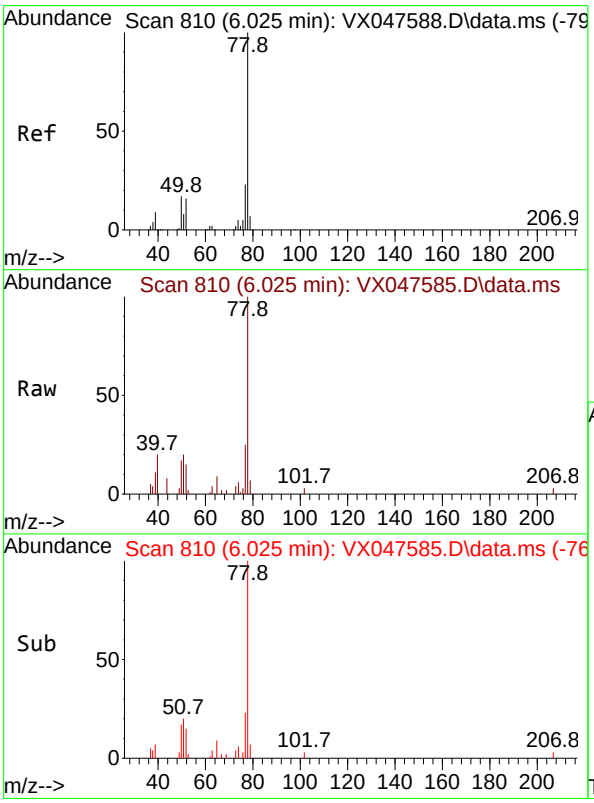
#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1

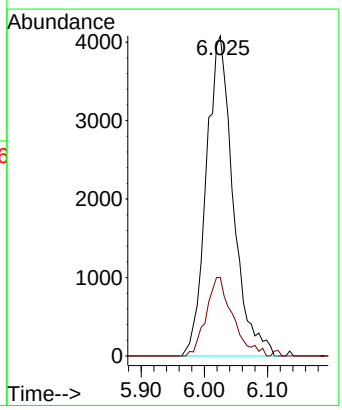


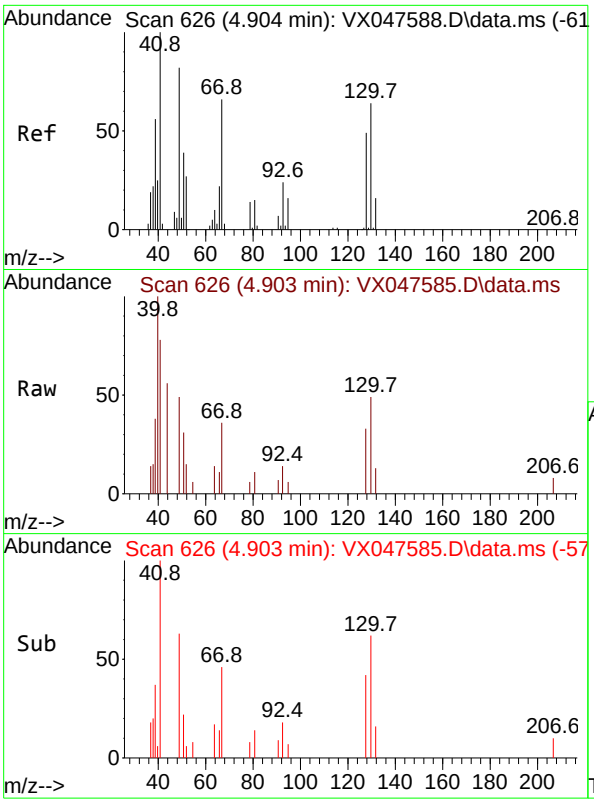


#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 12012

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



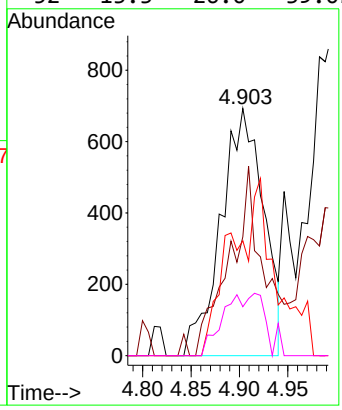


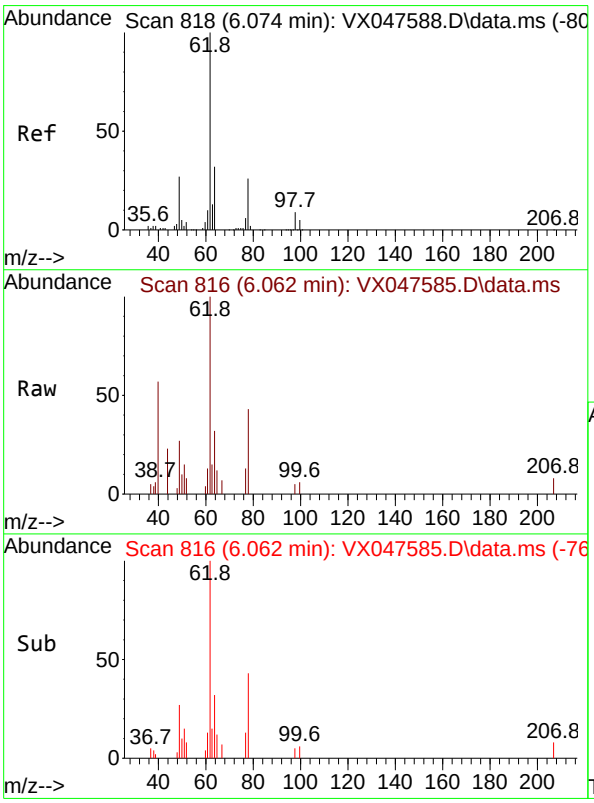
#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

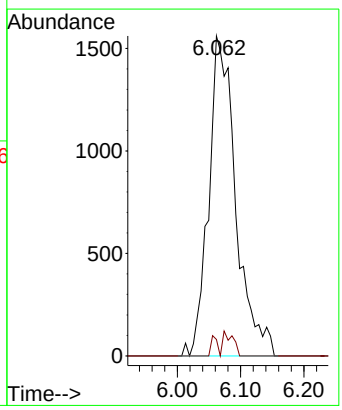


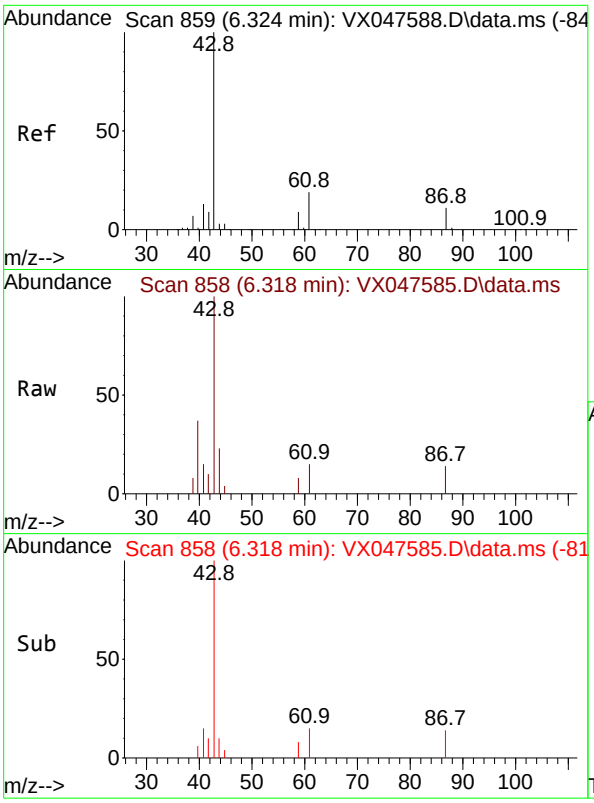


#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 4634

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



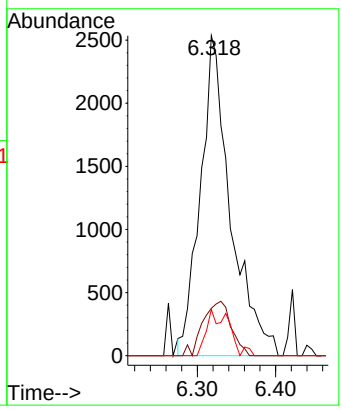


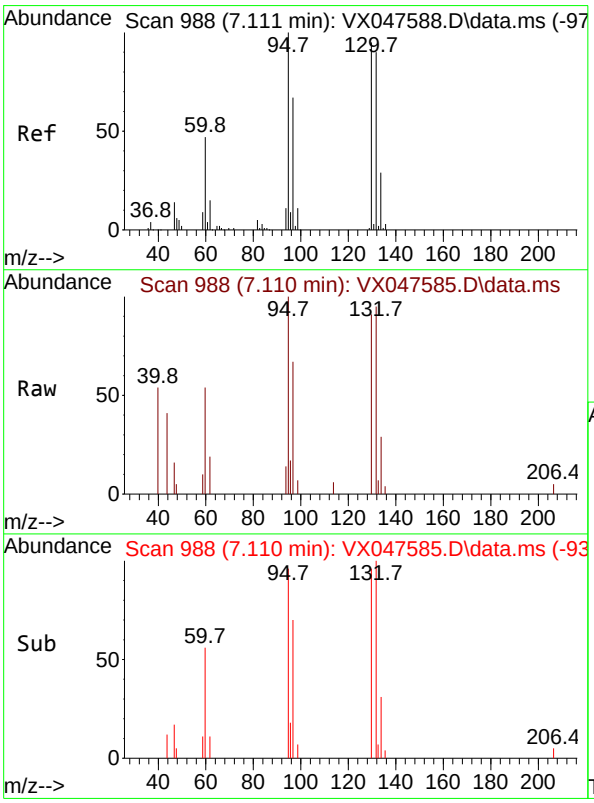
#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4

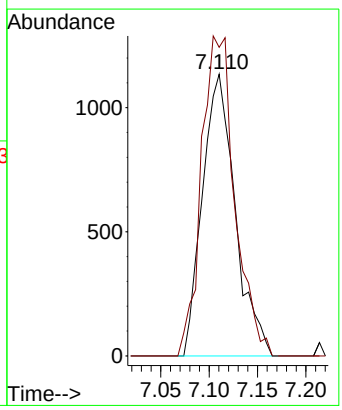


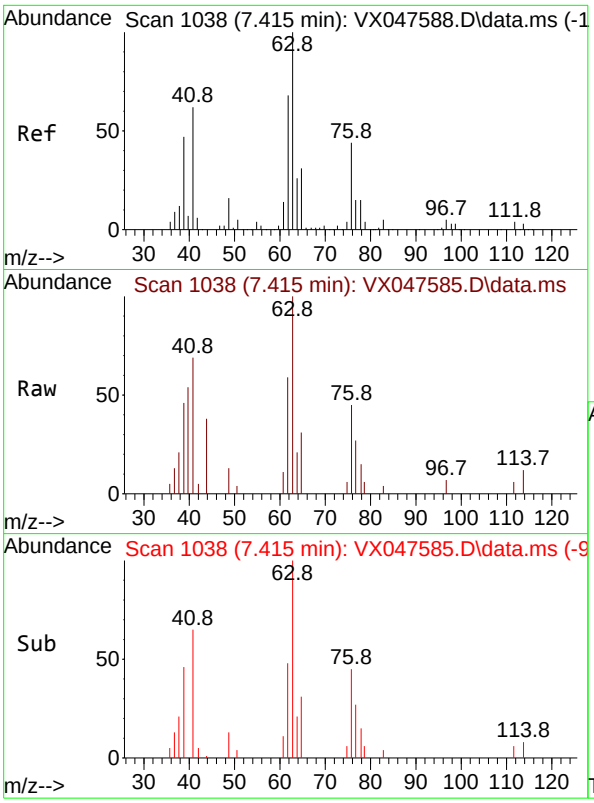


#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 2677

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



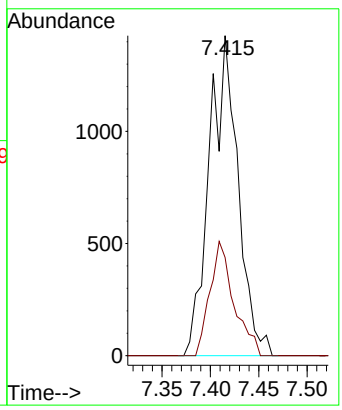


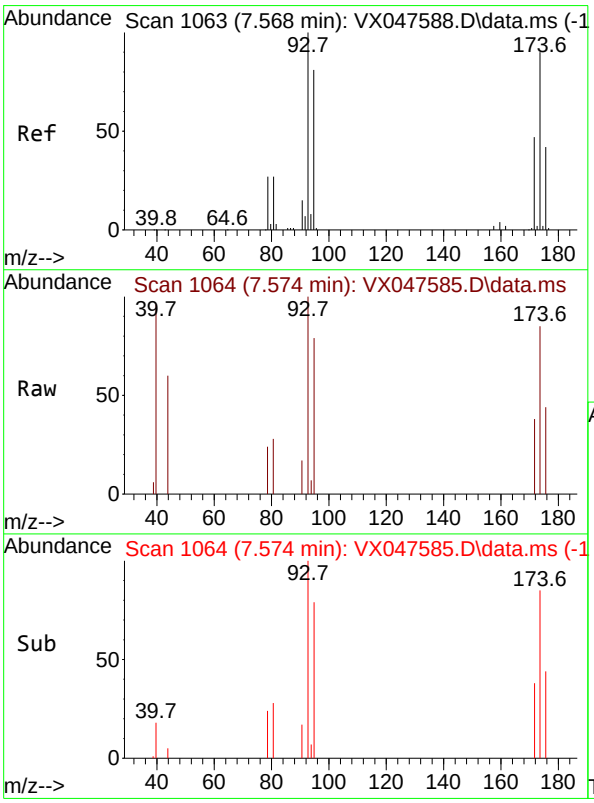
#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

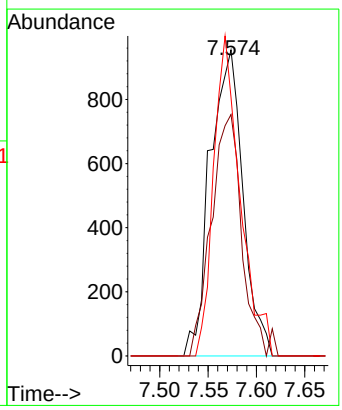


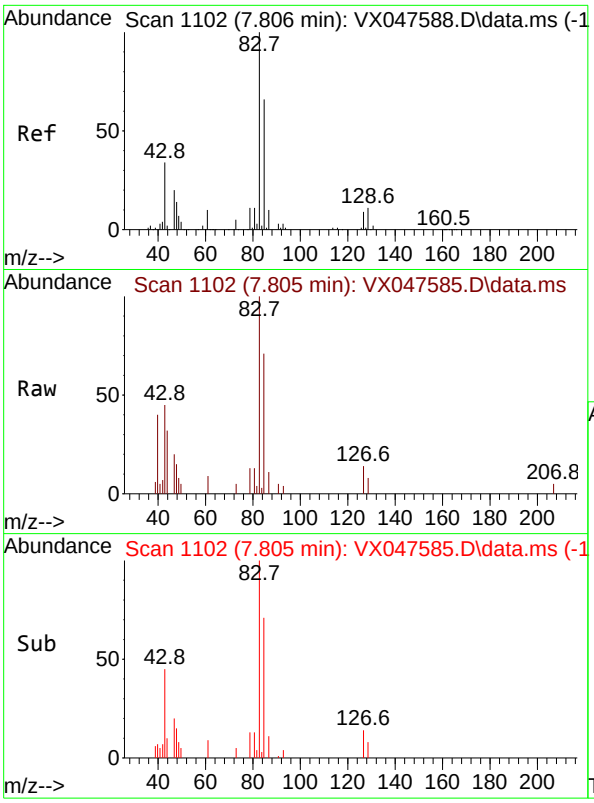


#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 2240

Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



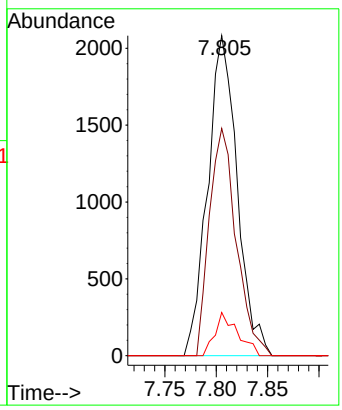


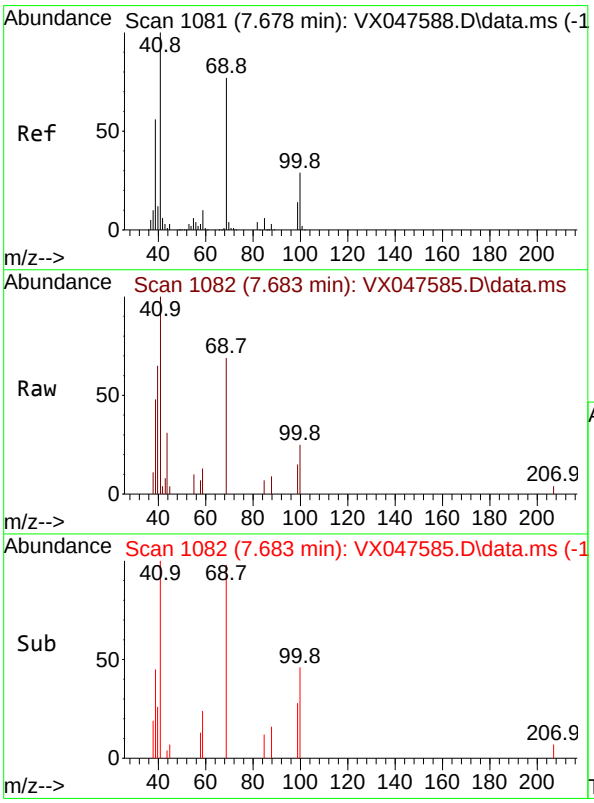
#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#

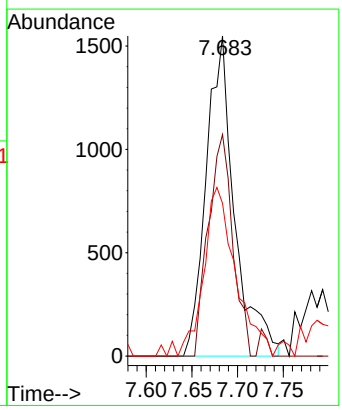


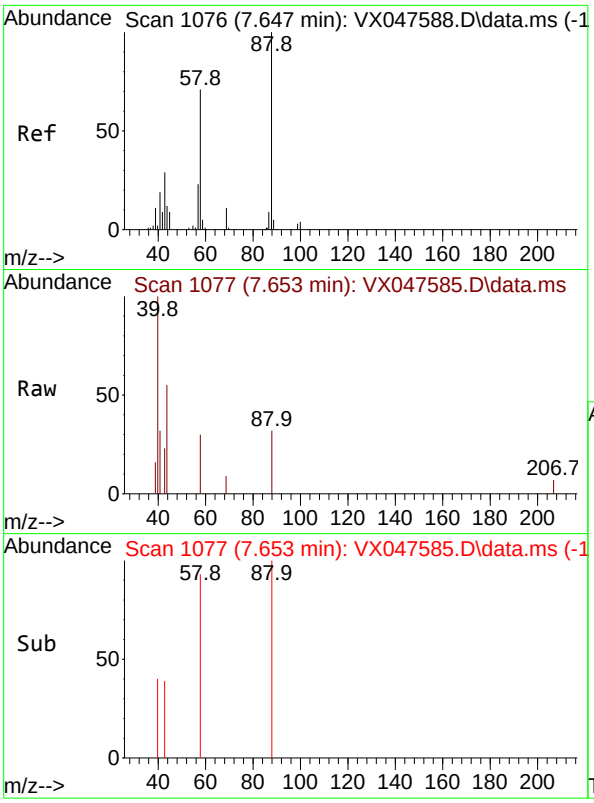


#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 3355

Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6



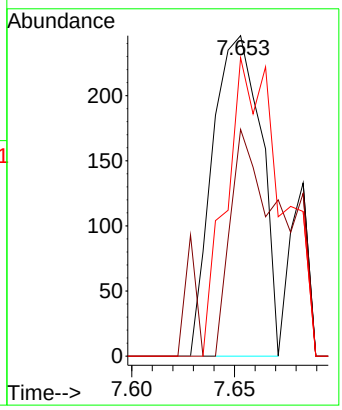


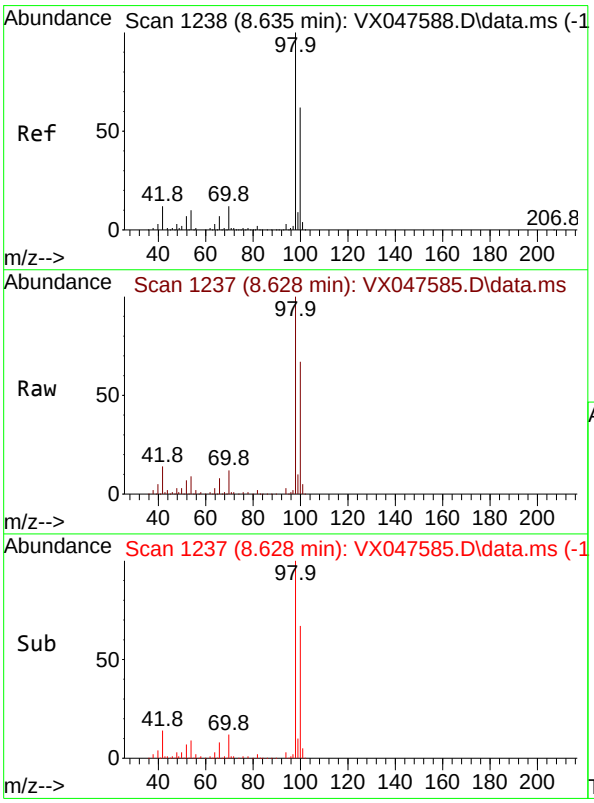
#49
1,4-Dioxane
Concen: 10.329 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 404

Ion	Ratio	Lower	Upper
88	100		
43	77.5	30.2	45.2#
58	107.4	59.5	89.3#

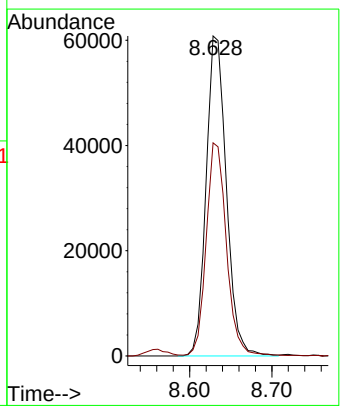


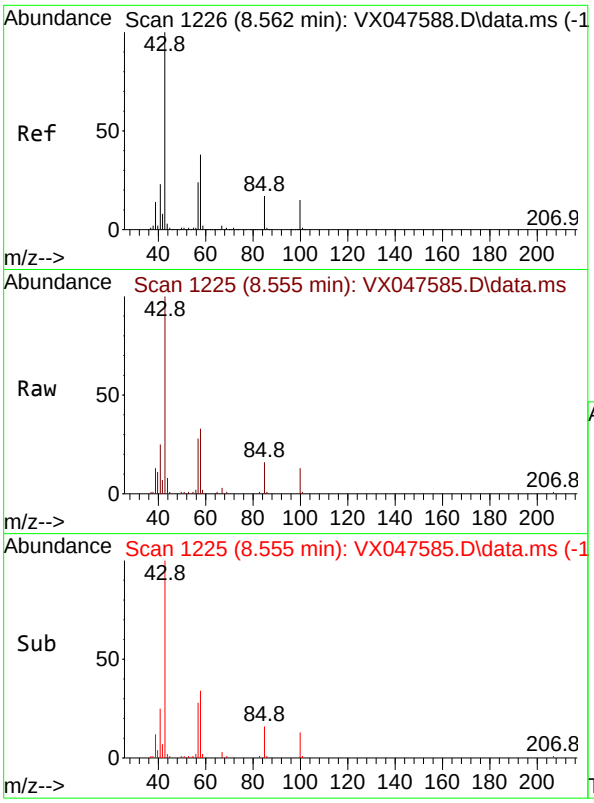


#50
Toluene-d8
Concen: 9.913 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98 Resp: 103865

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



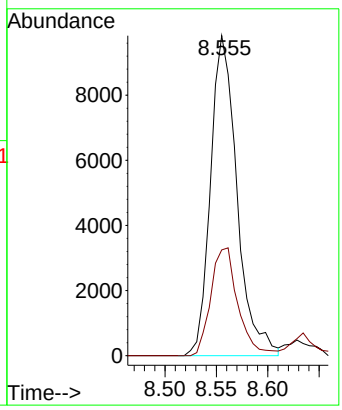


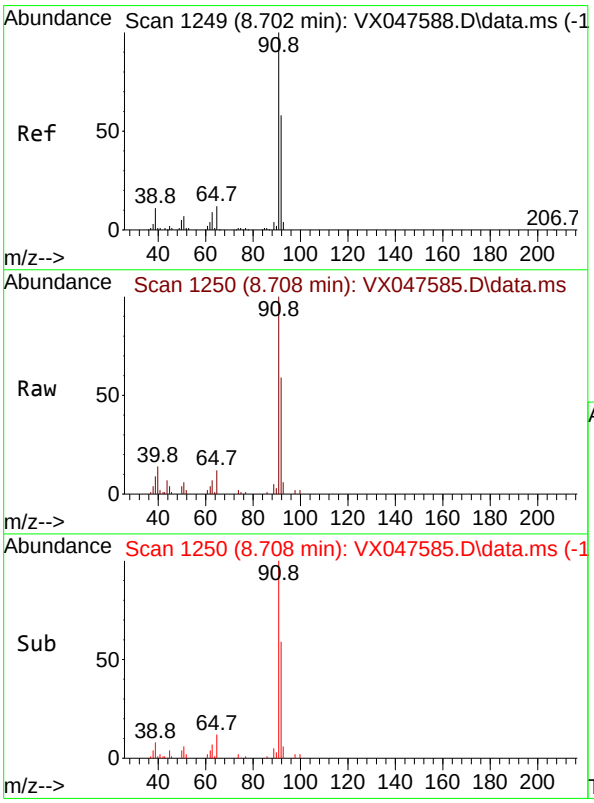
#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

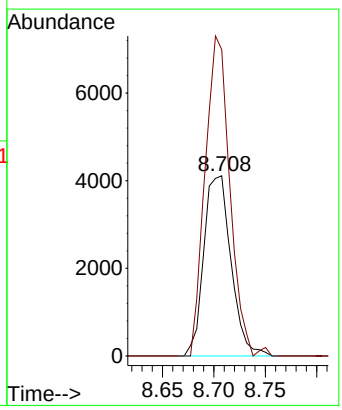


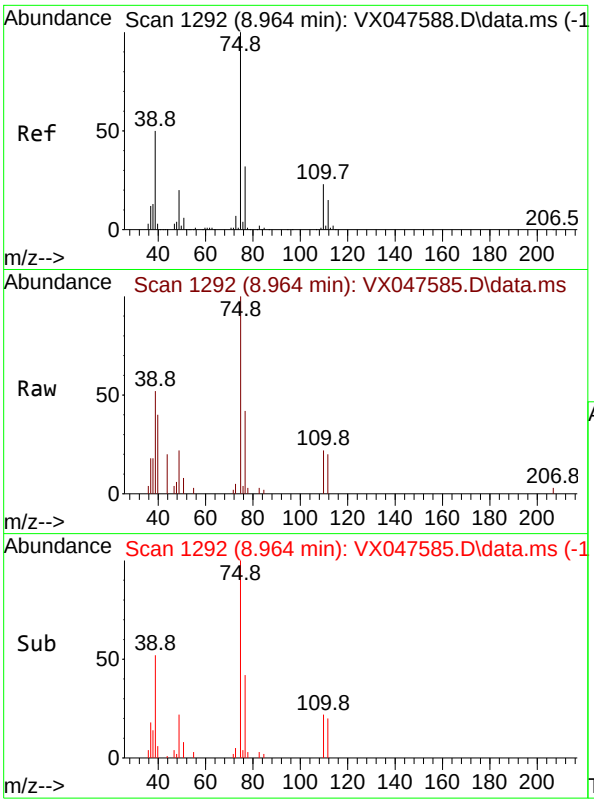


#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



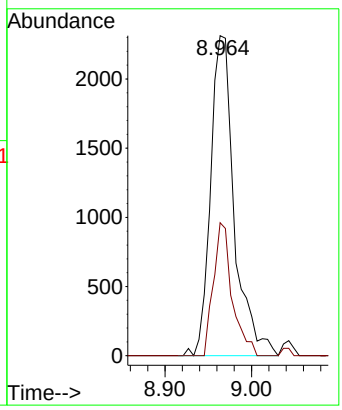


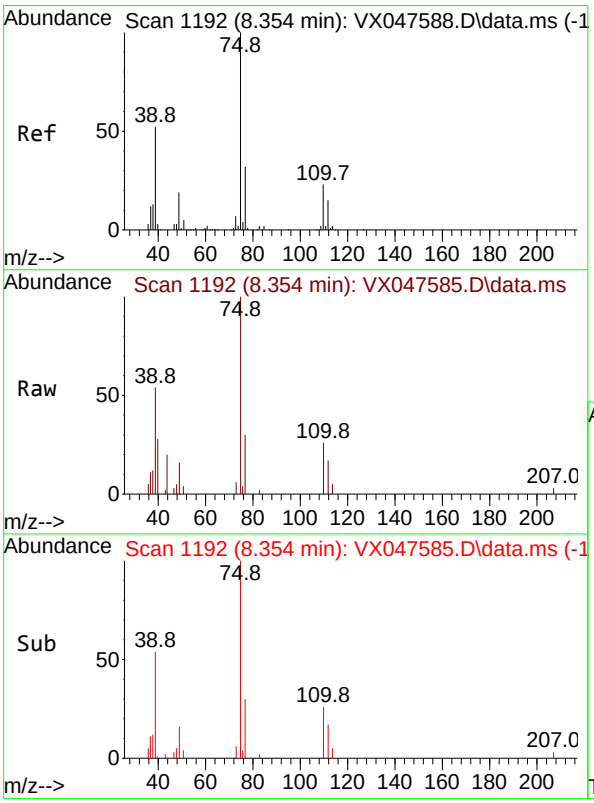
#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

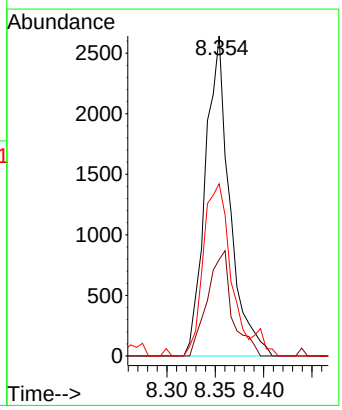


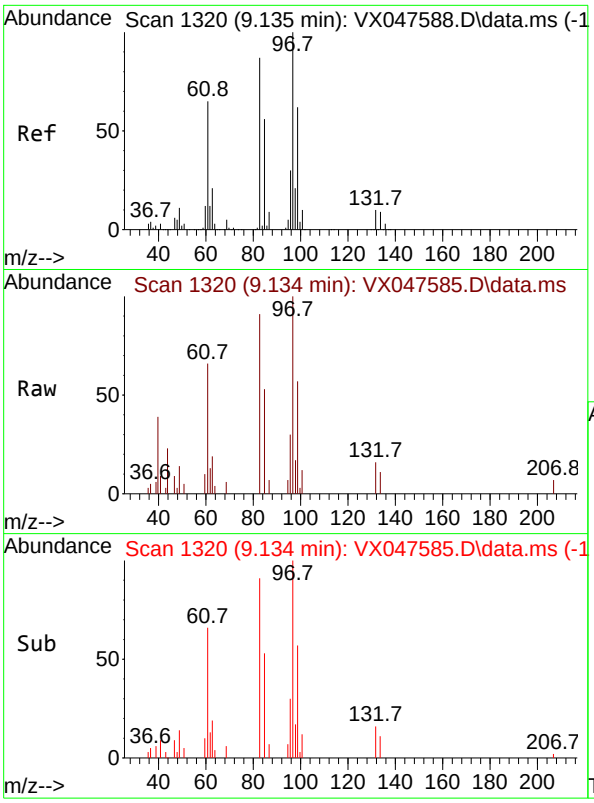


#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4635

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2#



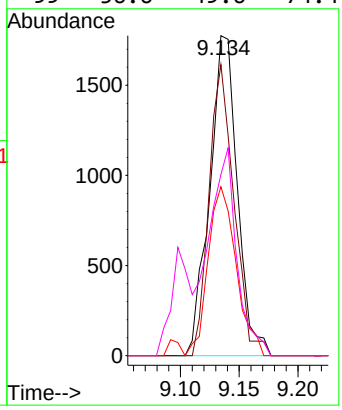


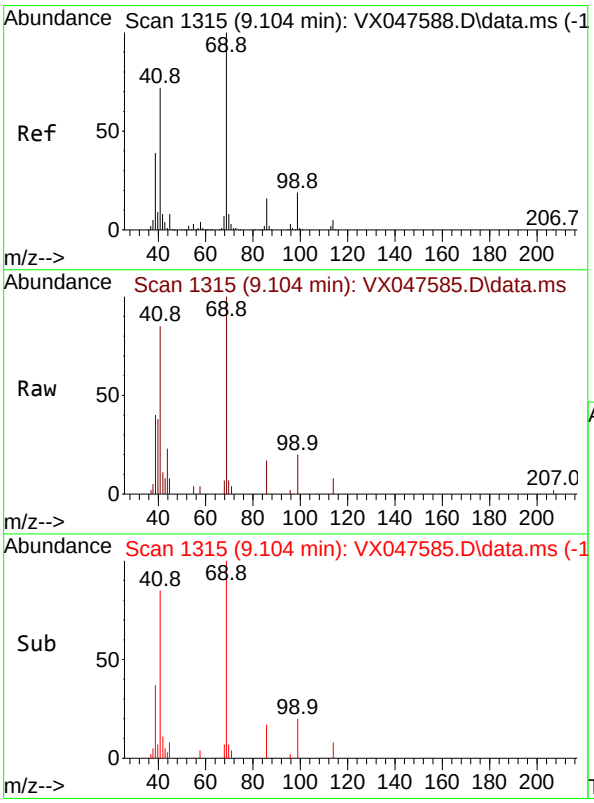
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

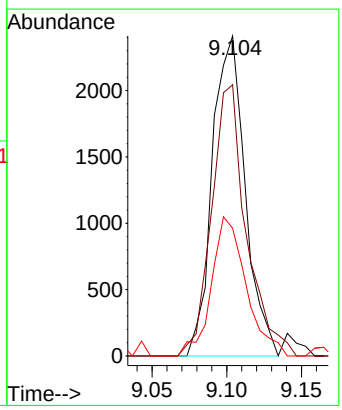


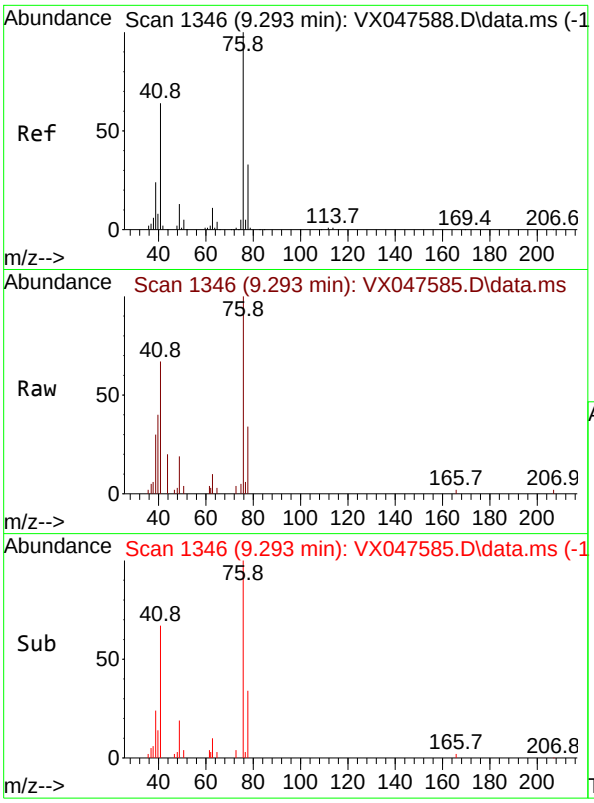


#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 3679

Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8#
39	46.0	31.5	47.3



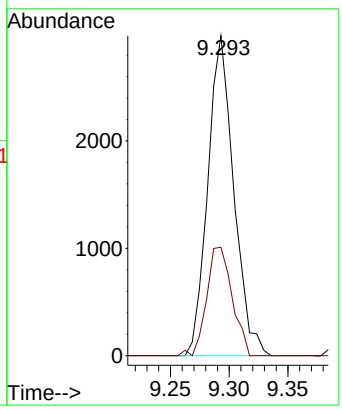


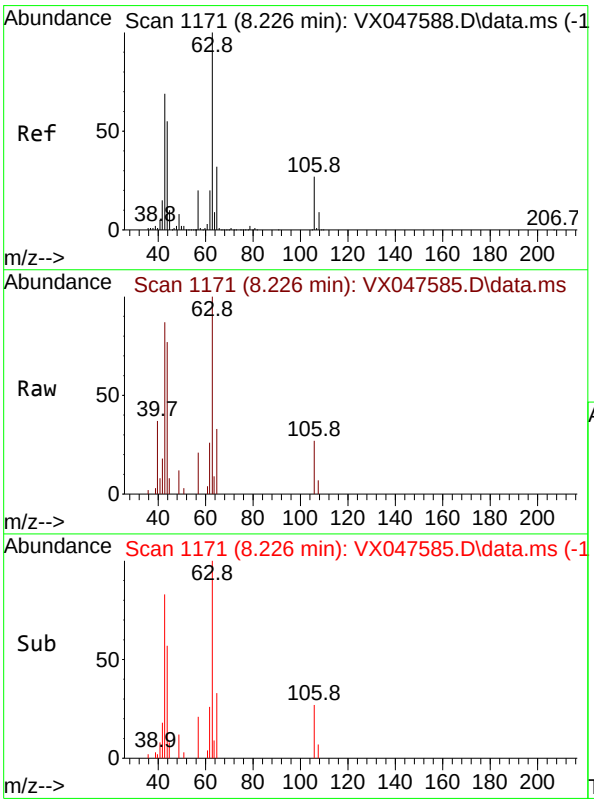
#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

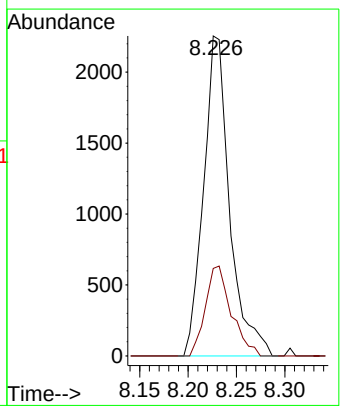


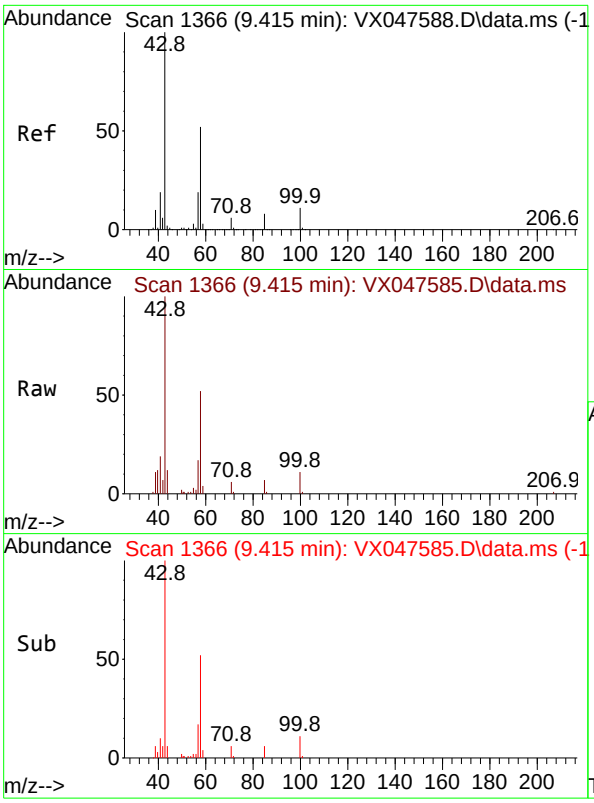


#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



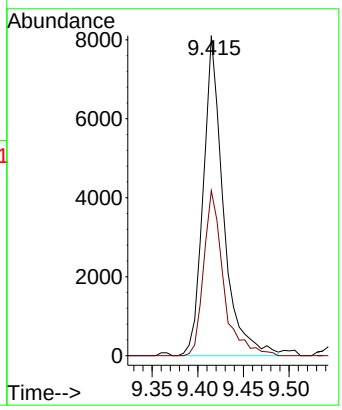


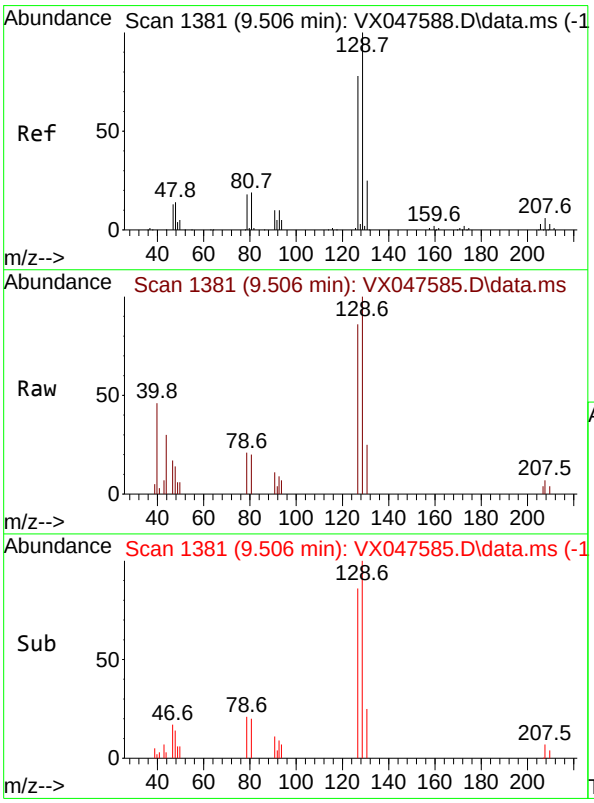
#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

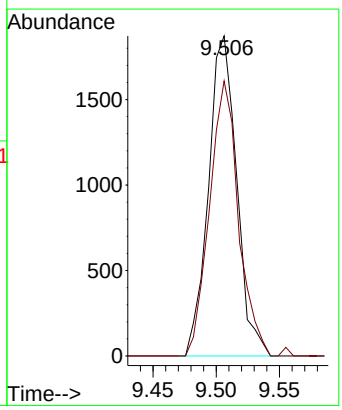


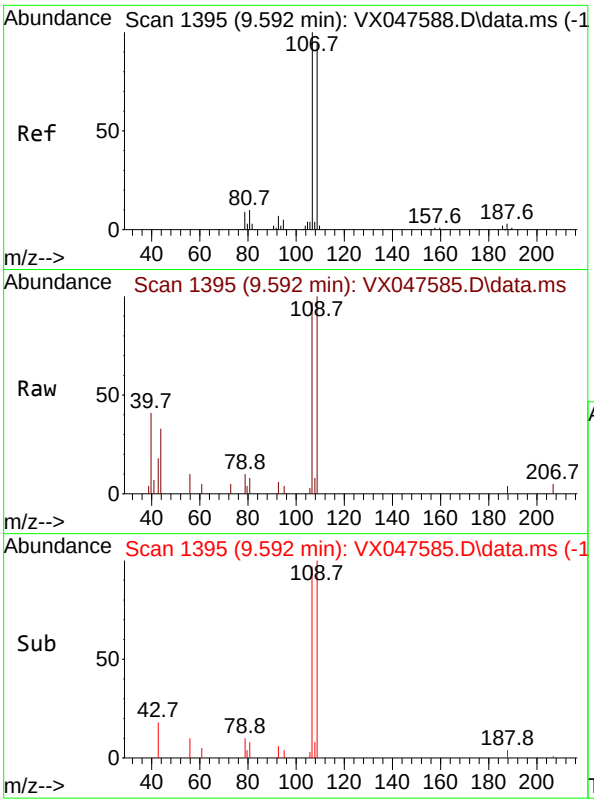


#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 2903

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



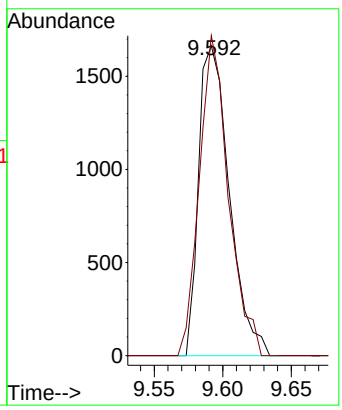


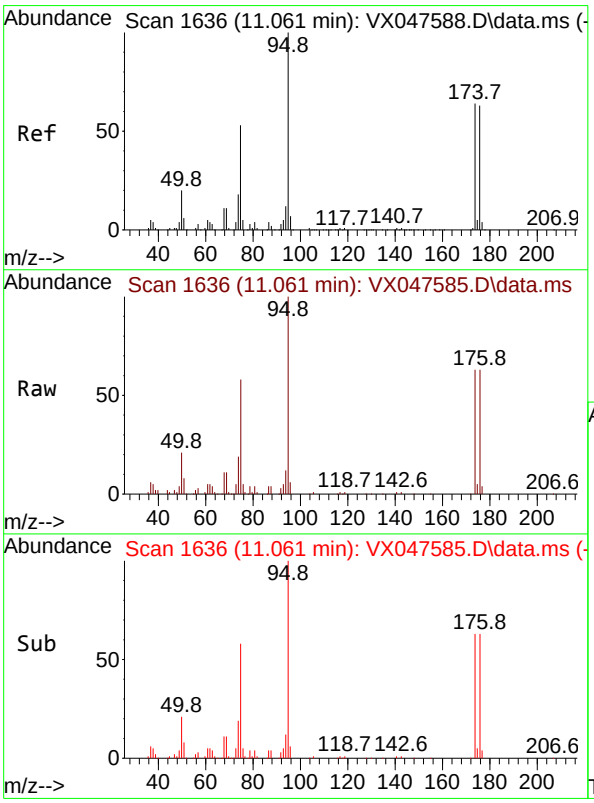
#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9

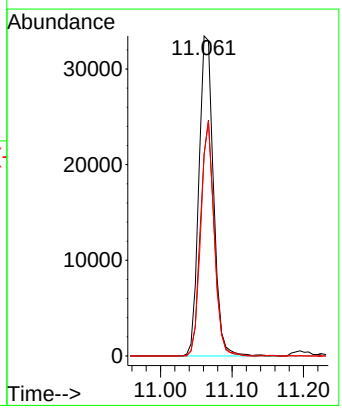


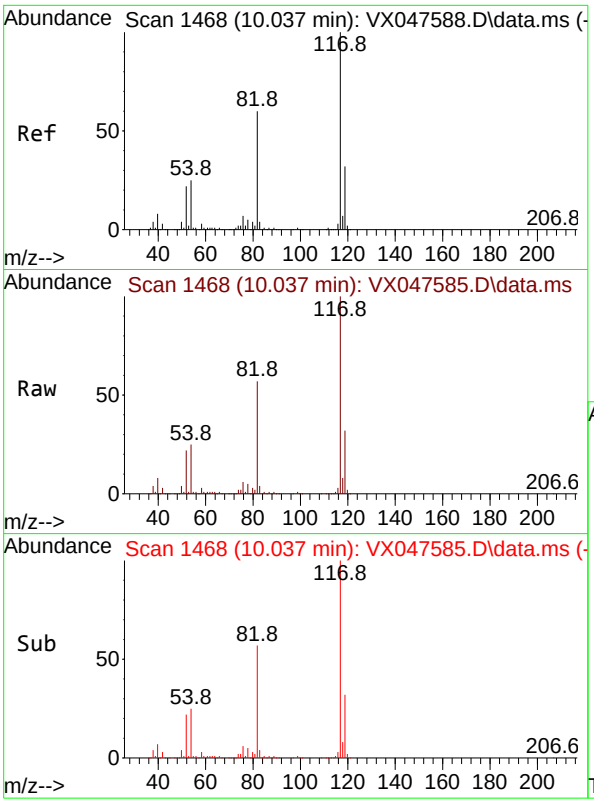


#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95 Resp: 47321

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	141.6
176	67.0	0.0	138.4



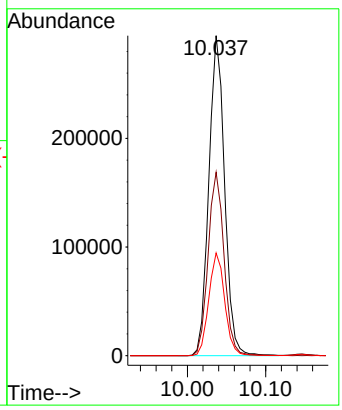


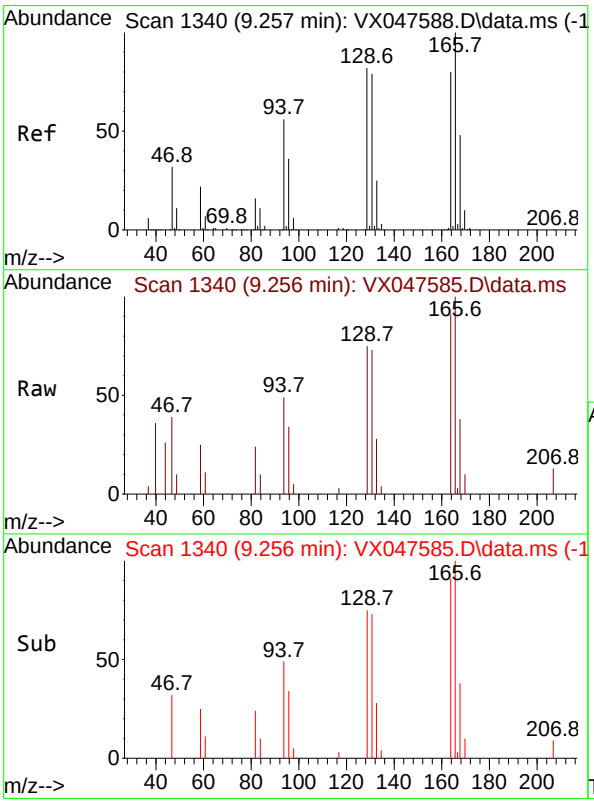
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

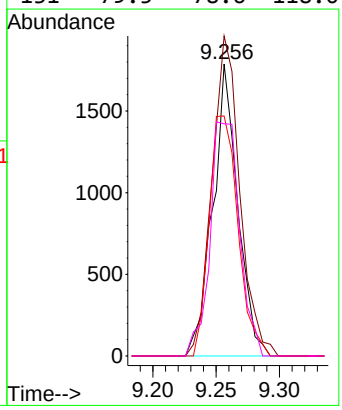


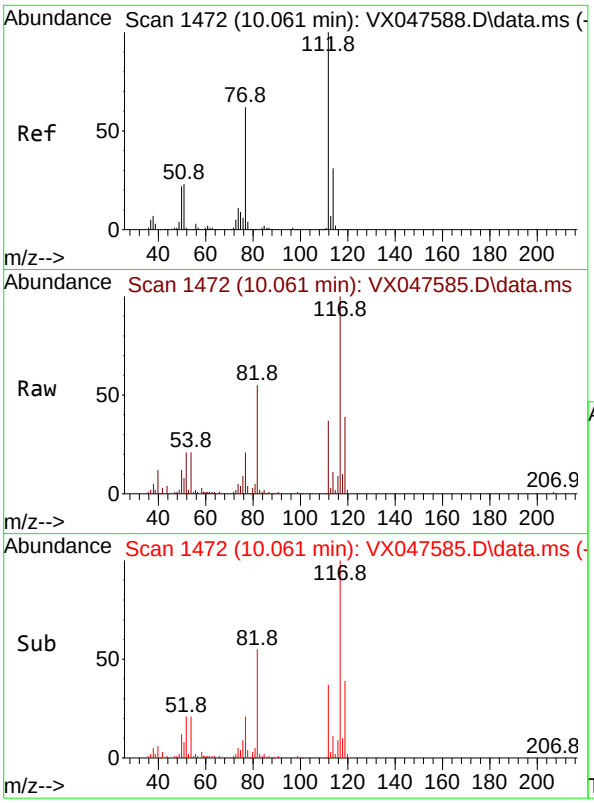


#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 2457

Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



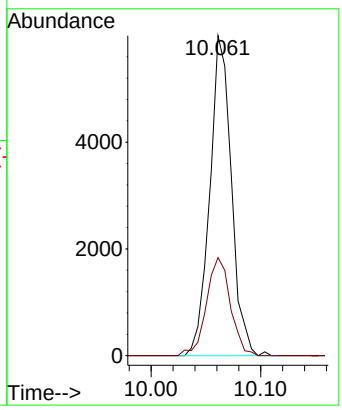


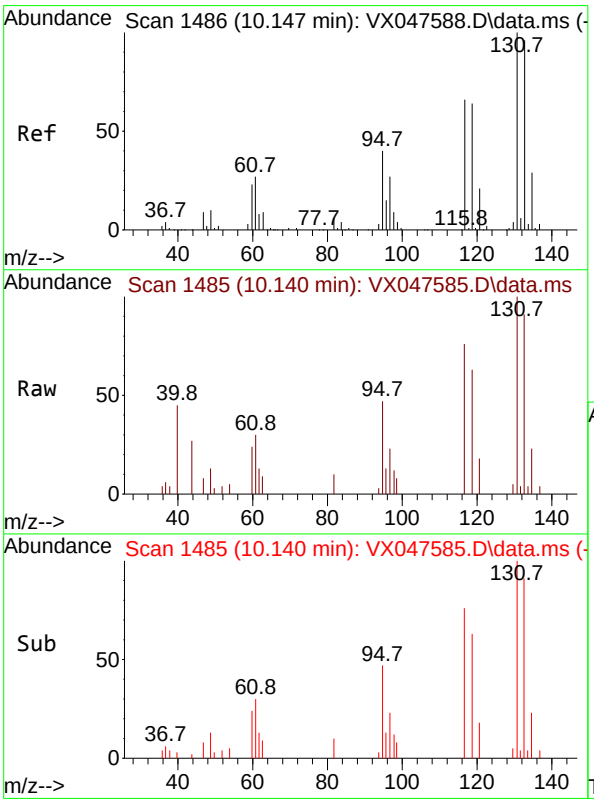
#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

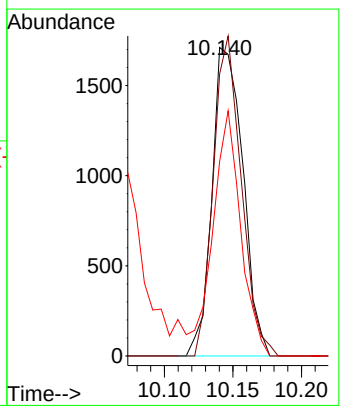


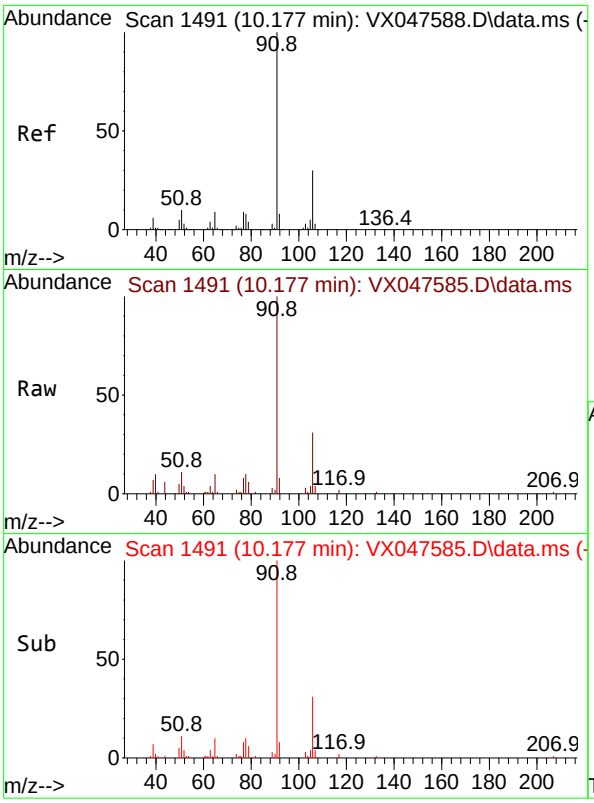


#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 2684

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#



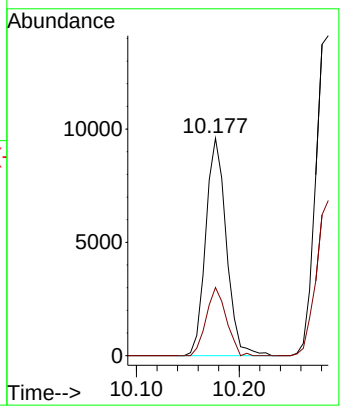


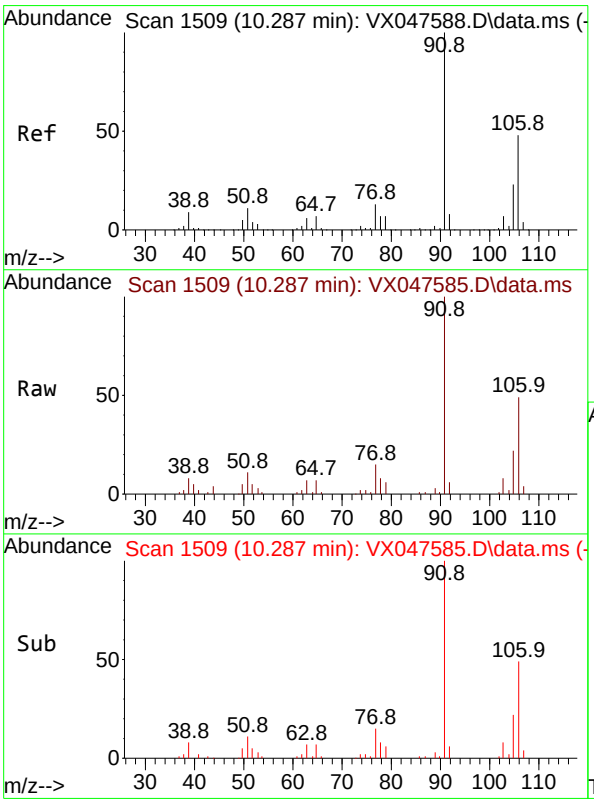
#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

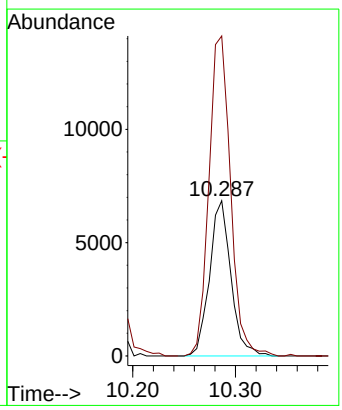


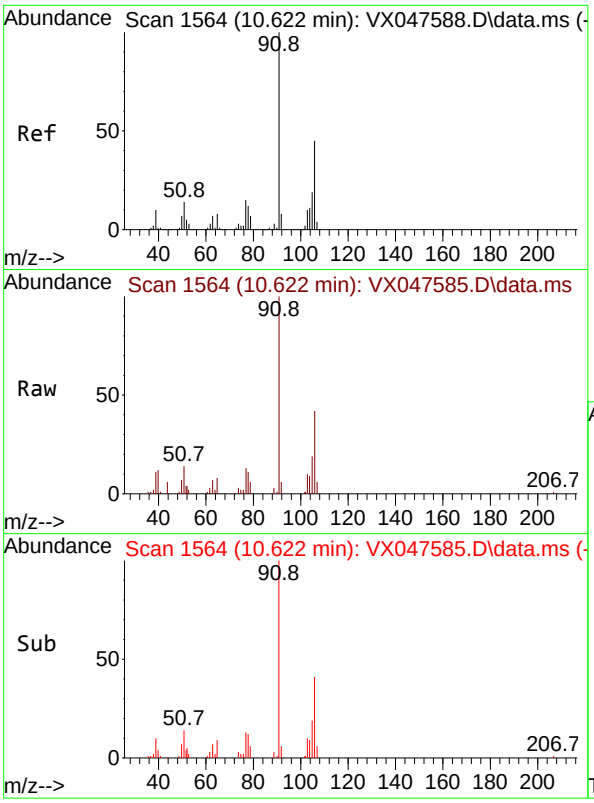


#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 9922

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



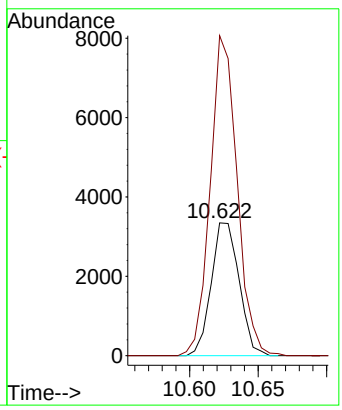


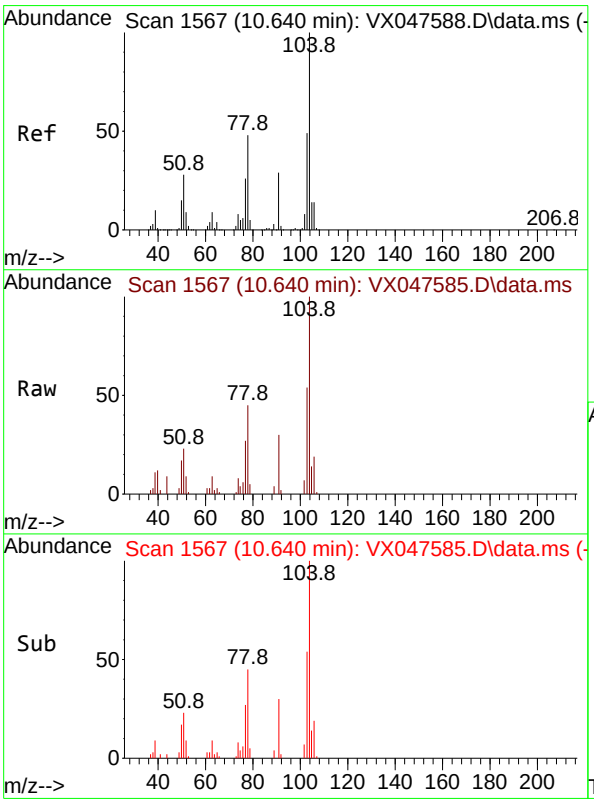
#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

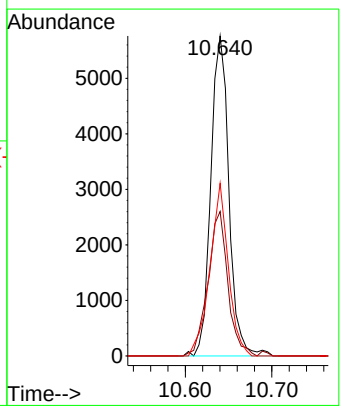


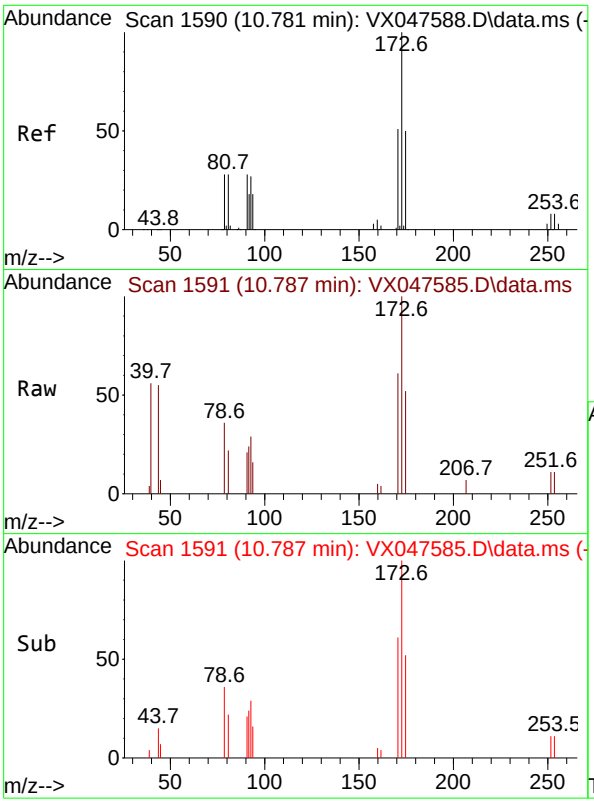


#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 8377

Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



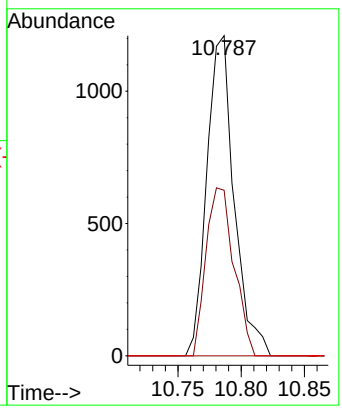


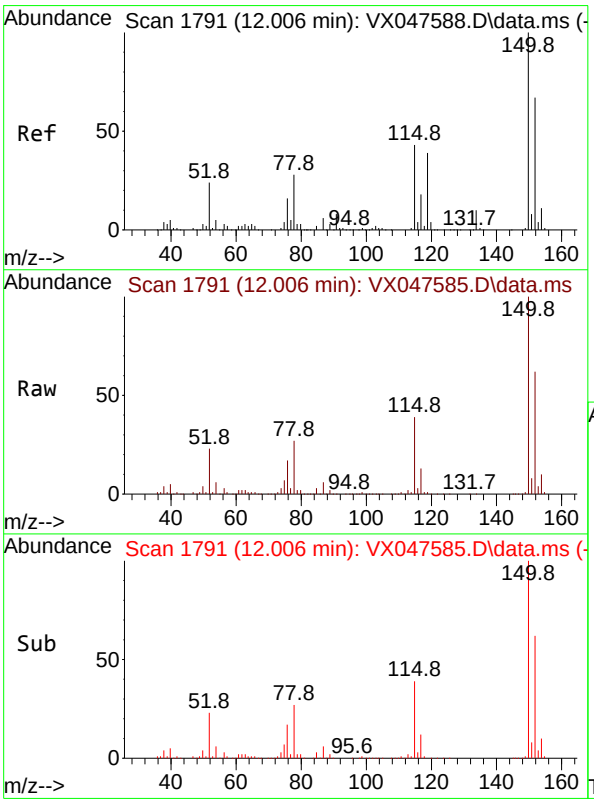
#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

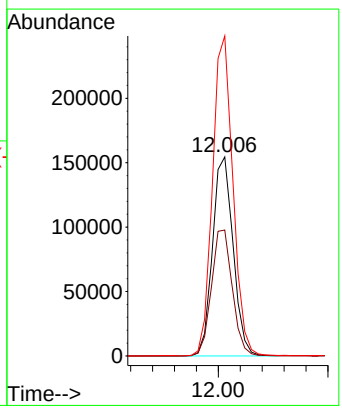


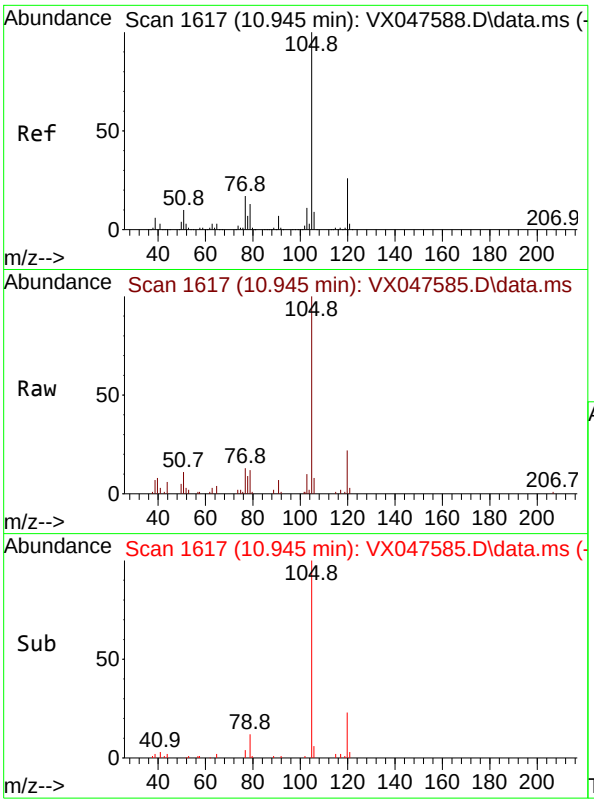


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 201976

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



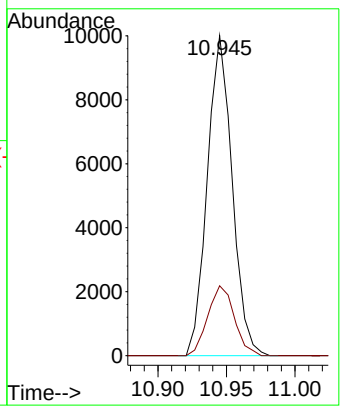


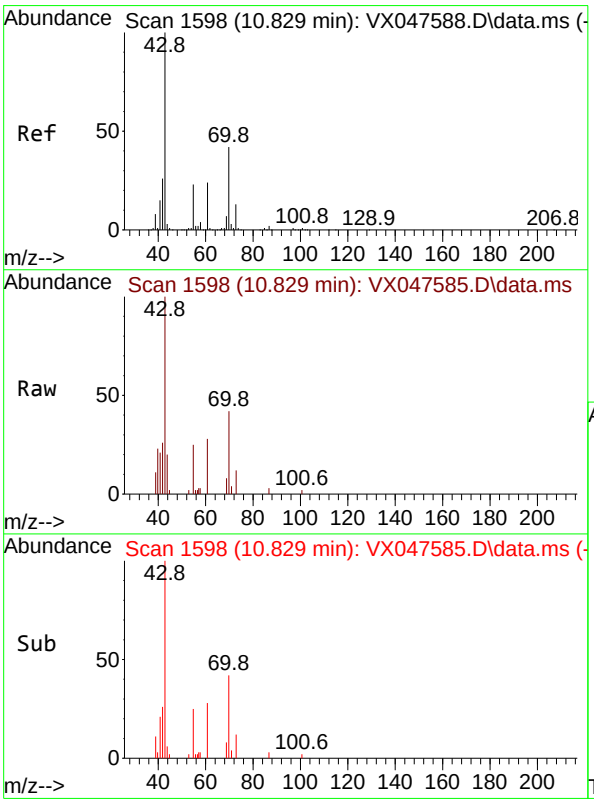
#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

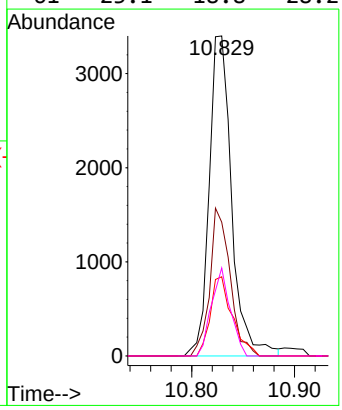


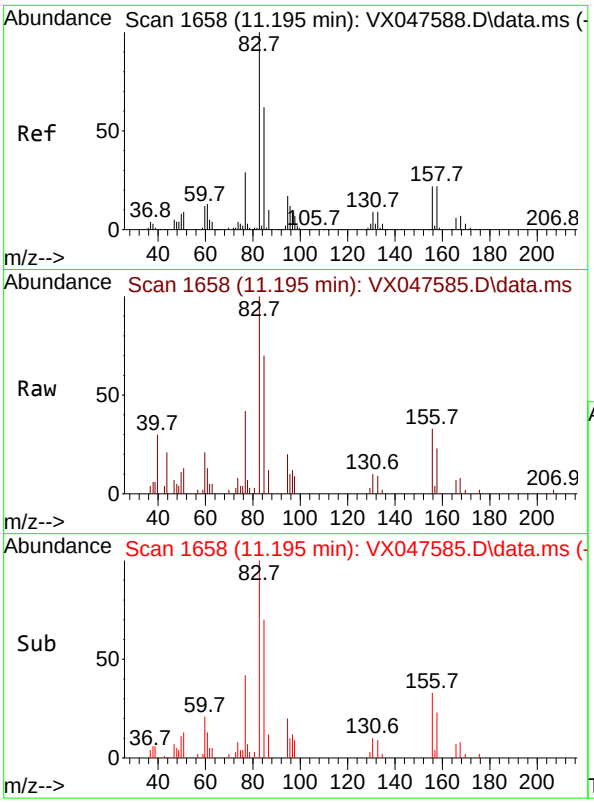


#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 5159

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



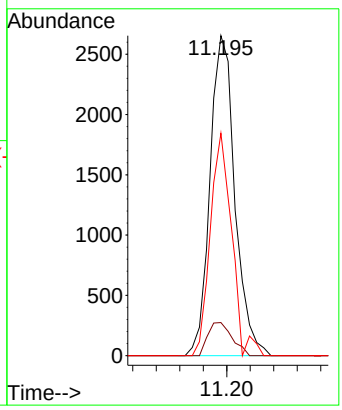


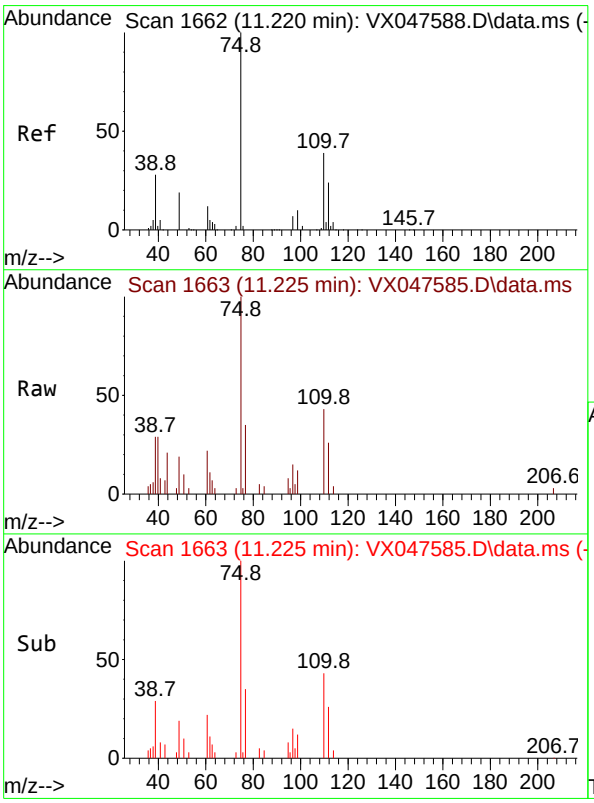
#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0

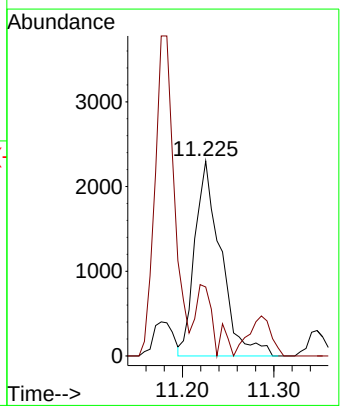


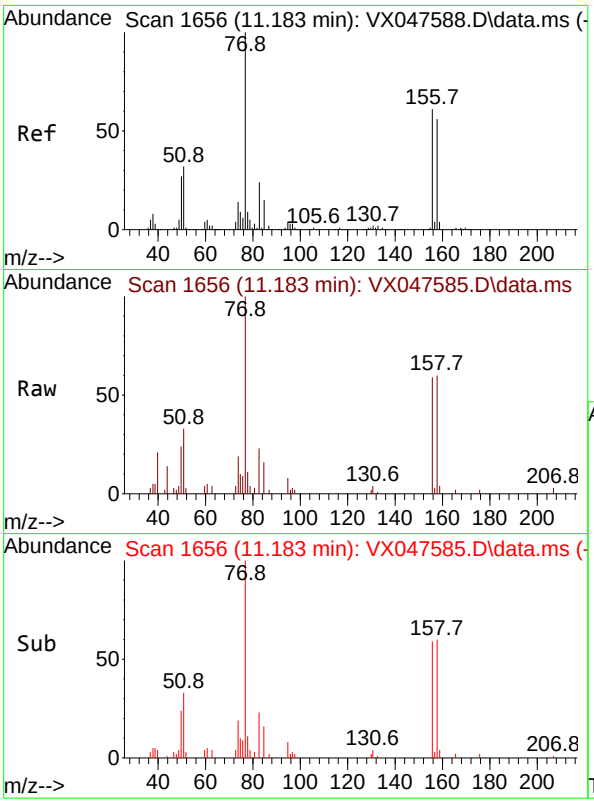


#76
1,2,3-Trichloropropane
Concen: 1.117 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4568

Ion	Ratio	Lower	Upper
75	100		
77	25.9	18.8	56.4



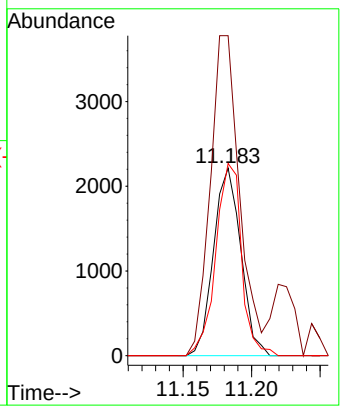


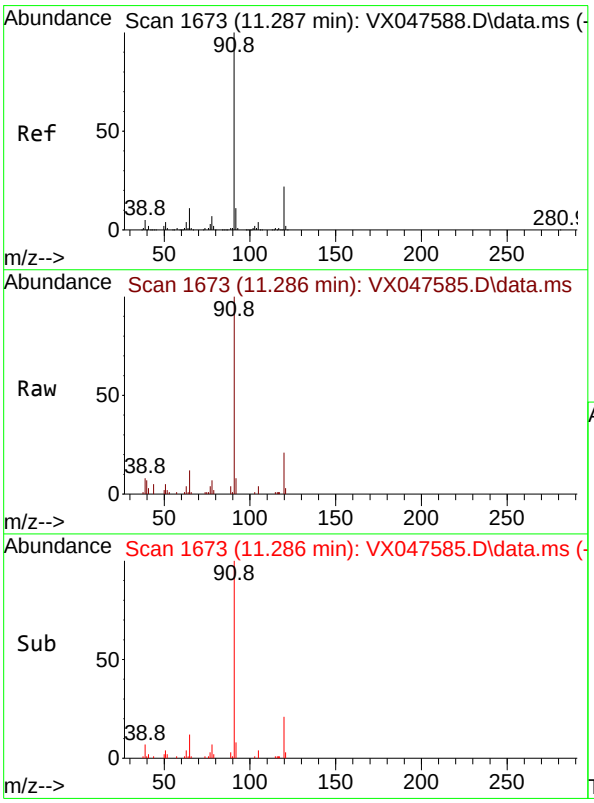
#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6

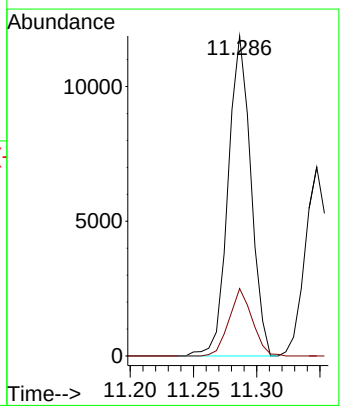


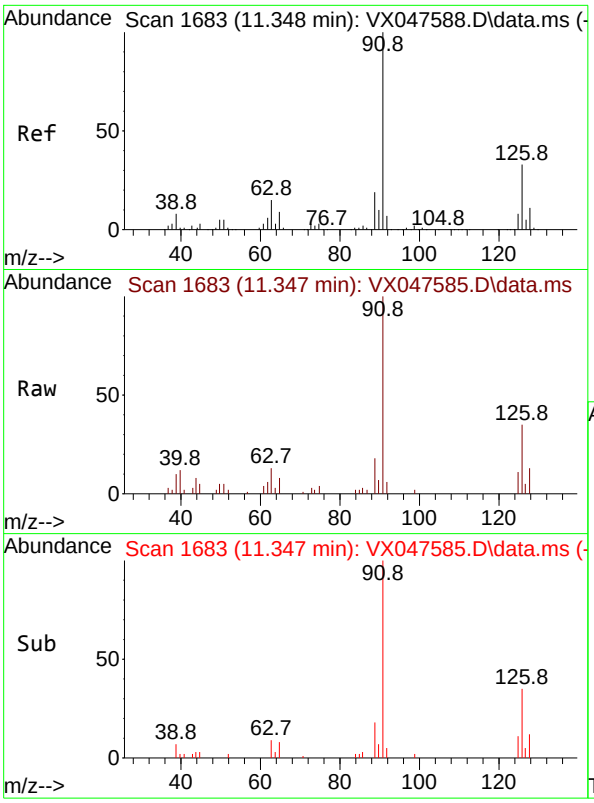


#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 14866

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



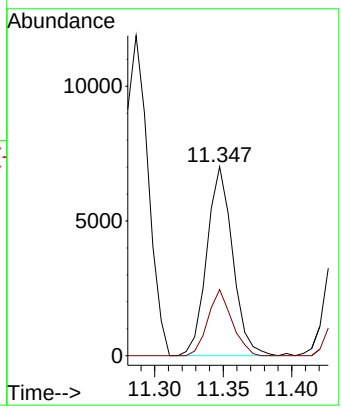


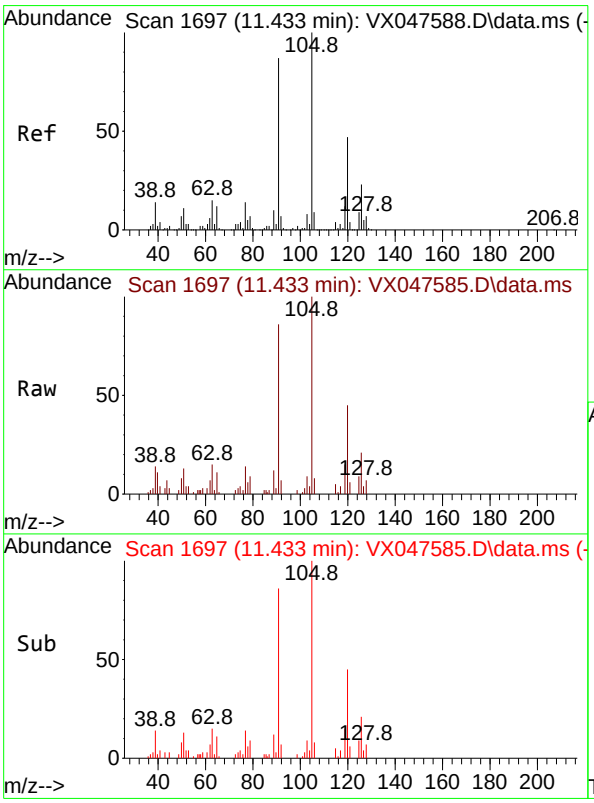
#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

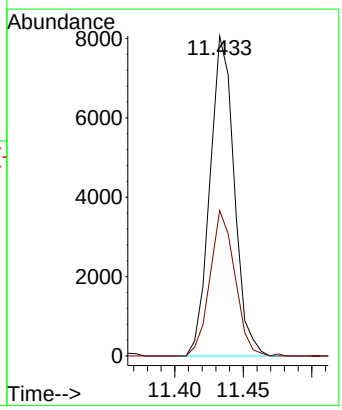


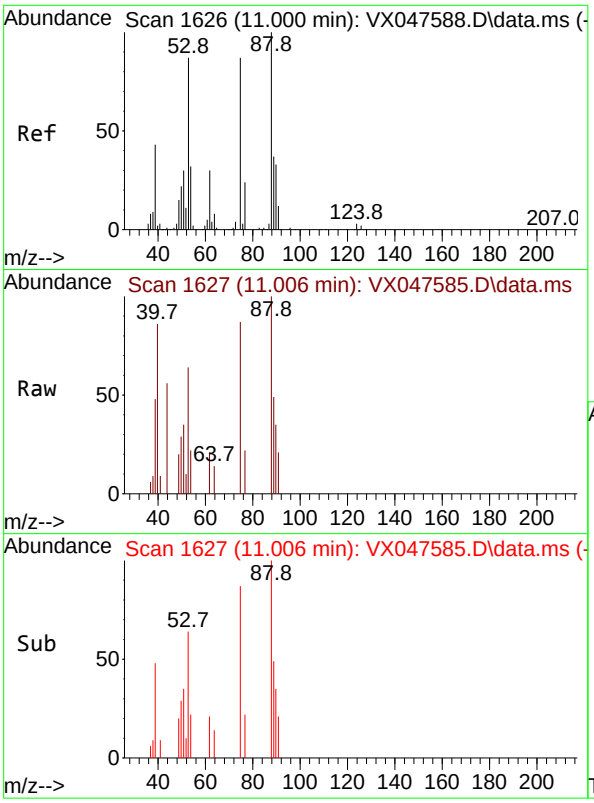


#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 9929

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



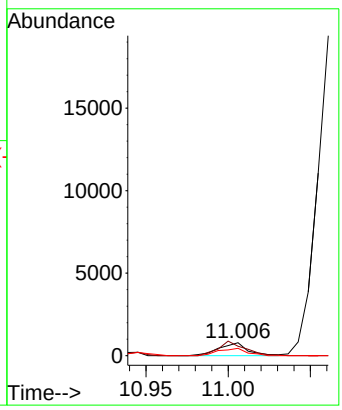


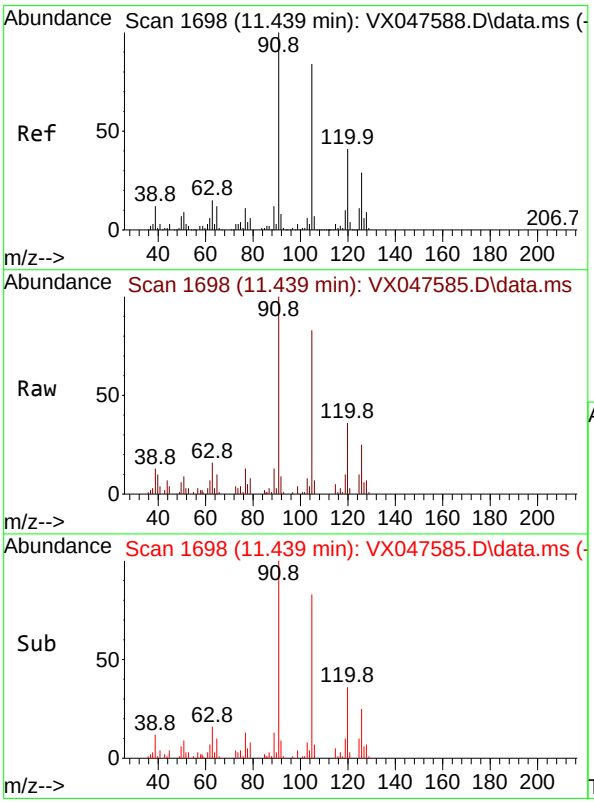
#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 960

Ion	Ratio	Lower	Upper
75	100		
53	103.2	83.4	125.2
89	55.2	36.3	54.5#

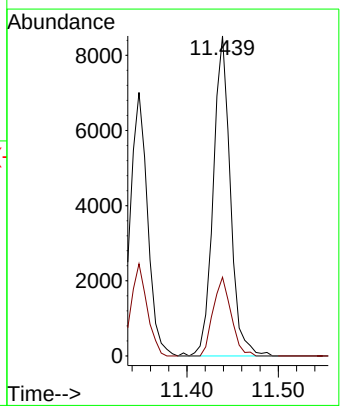


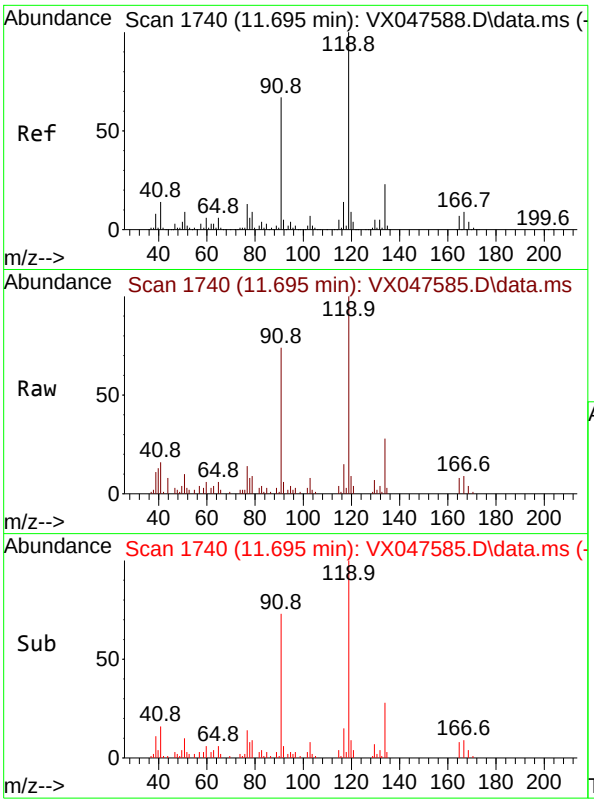


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6



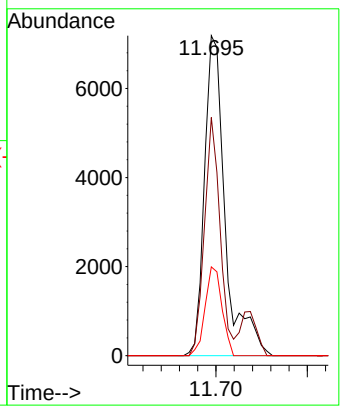


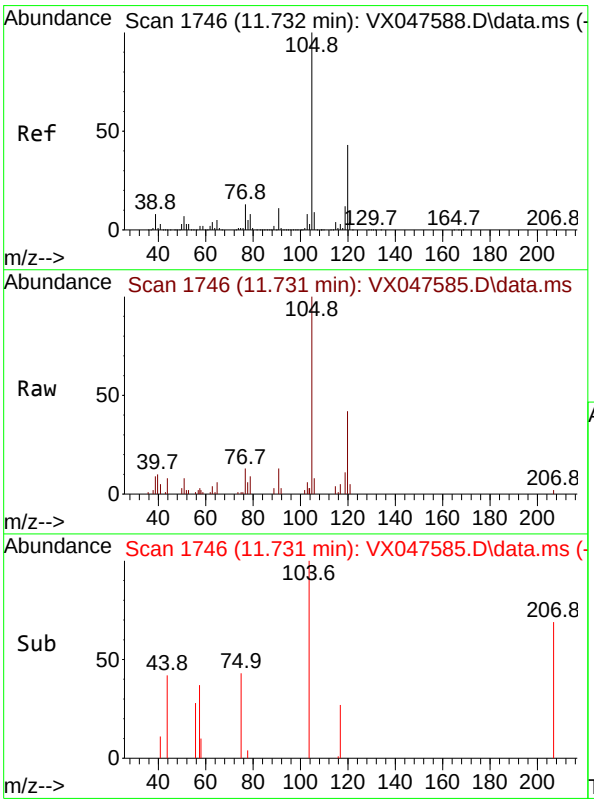
#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 11311

Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0

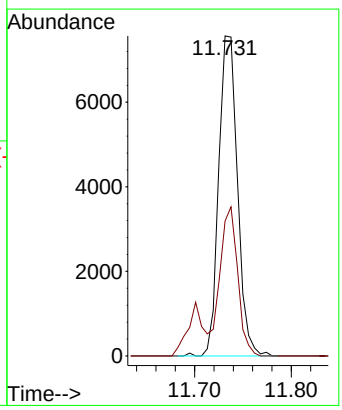


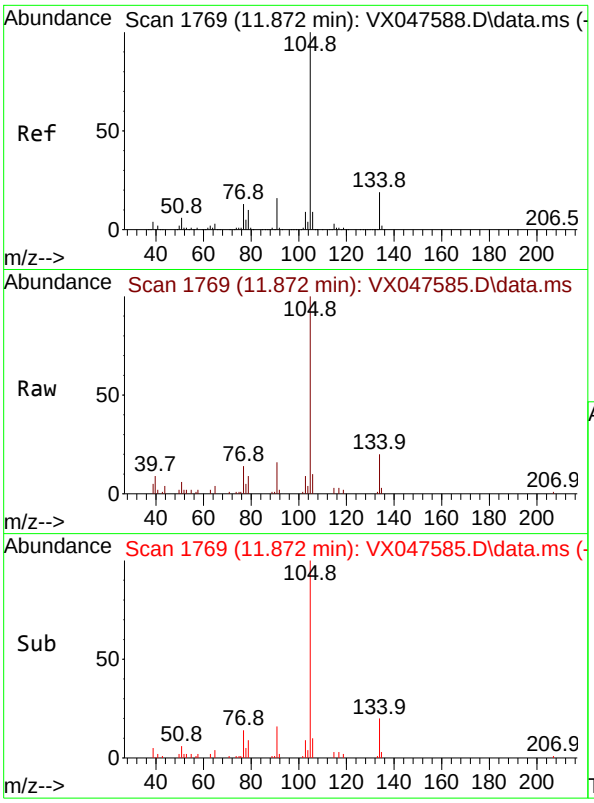


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



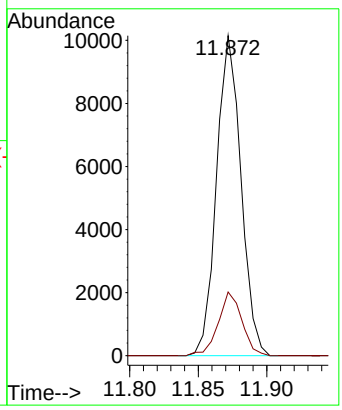


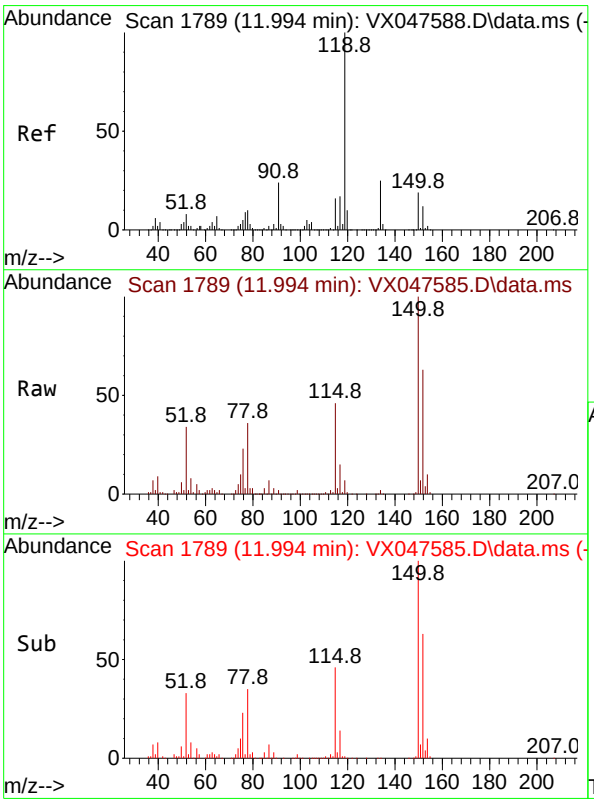
#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12561

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

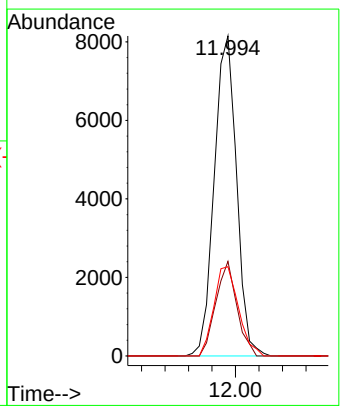


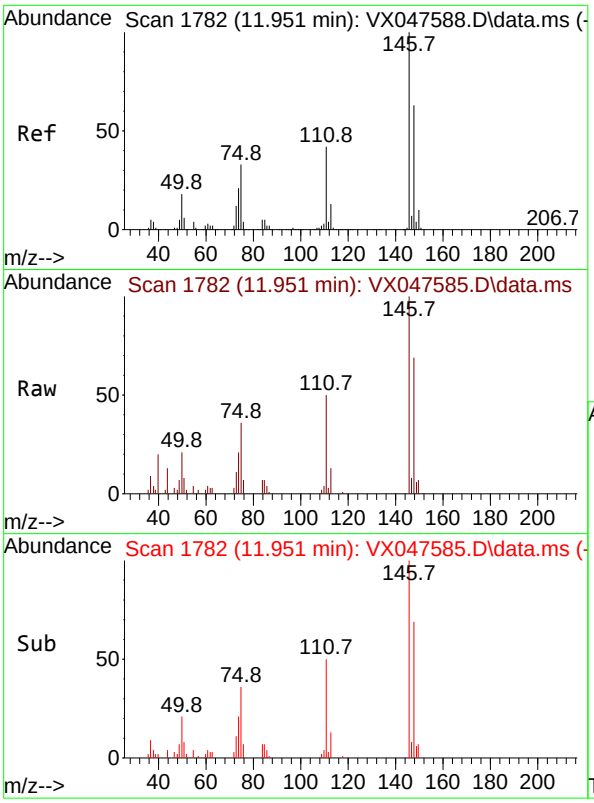


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6



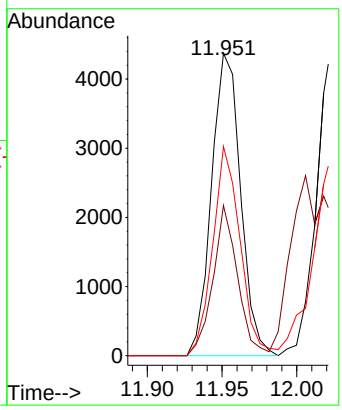


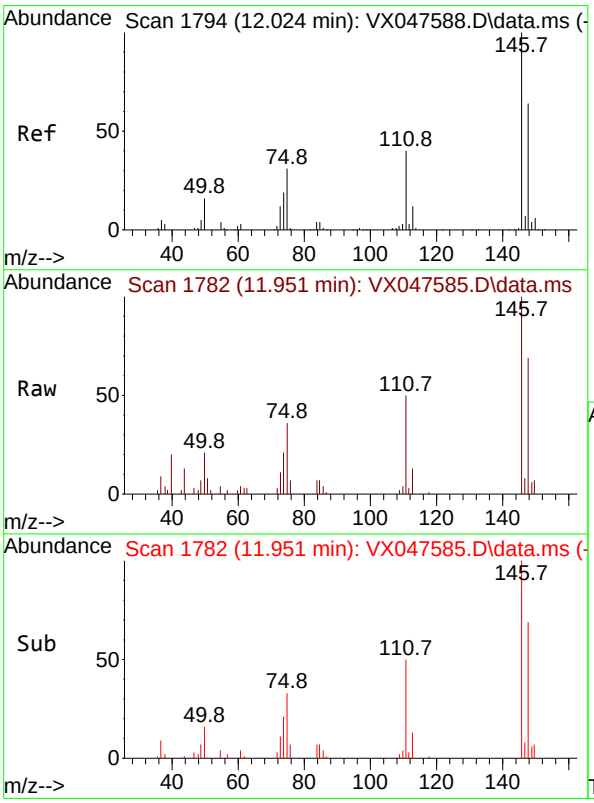
#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0

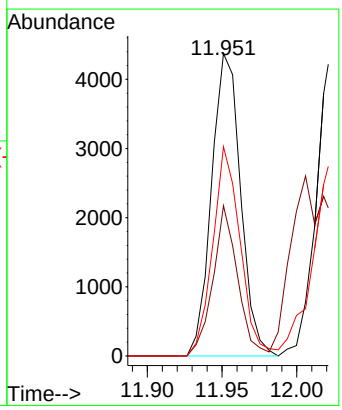


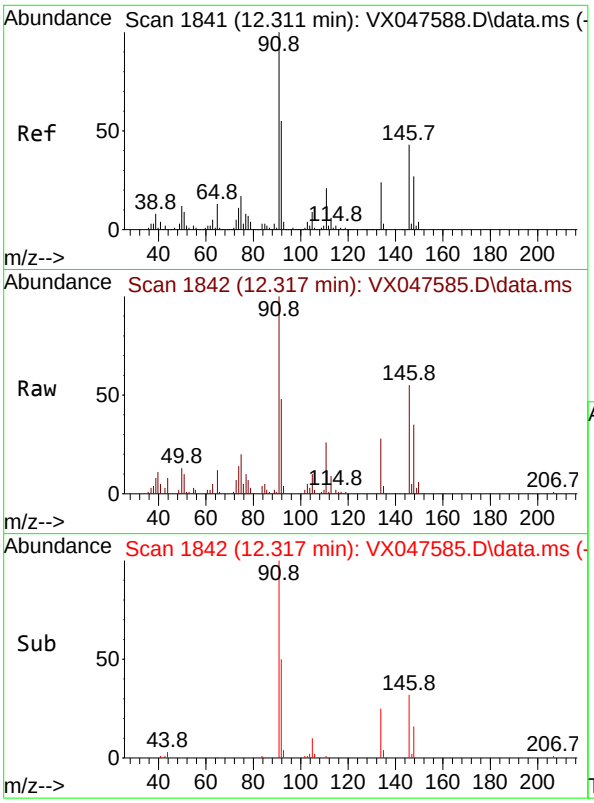


#88
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.4
148	65.5	31.7	95.1



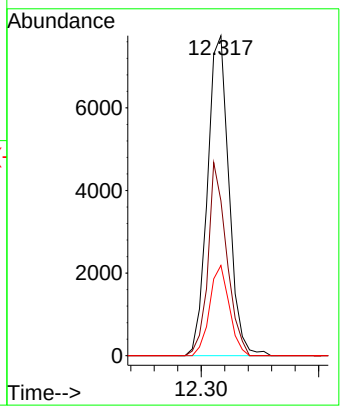


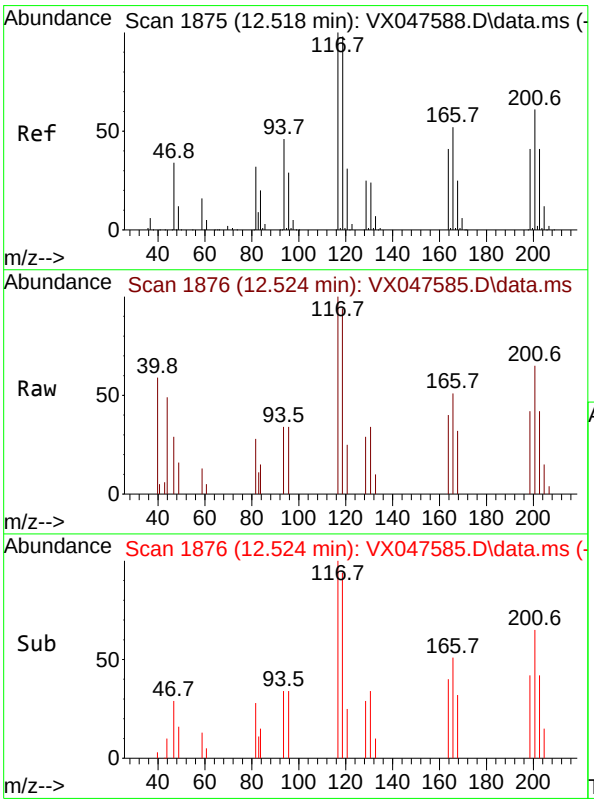
#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8

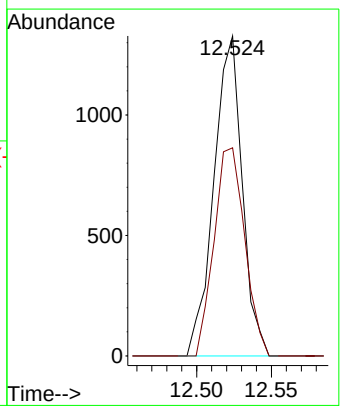


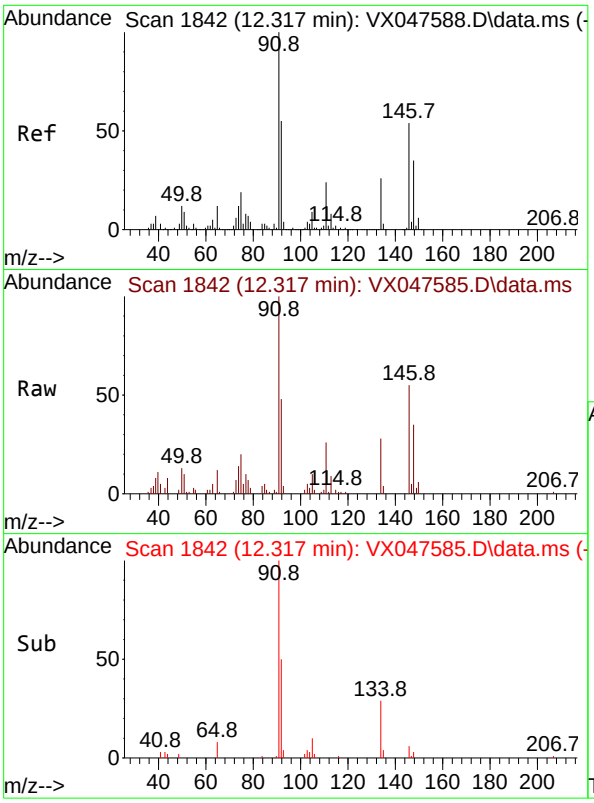


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5



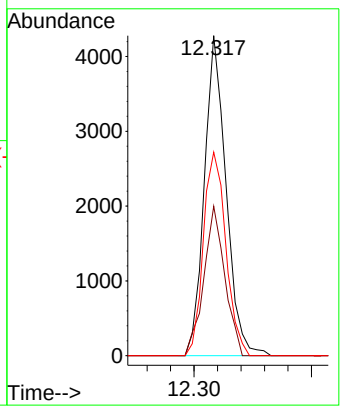


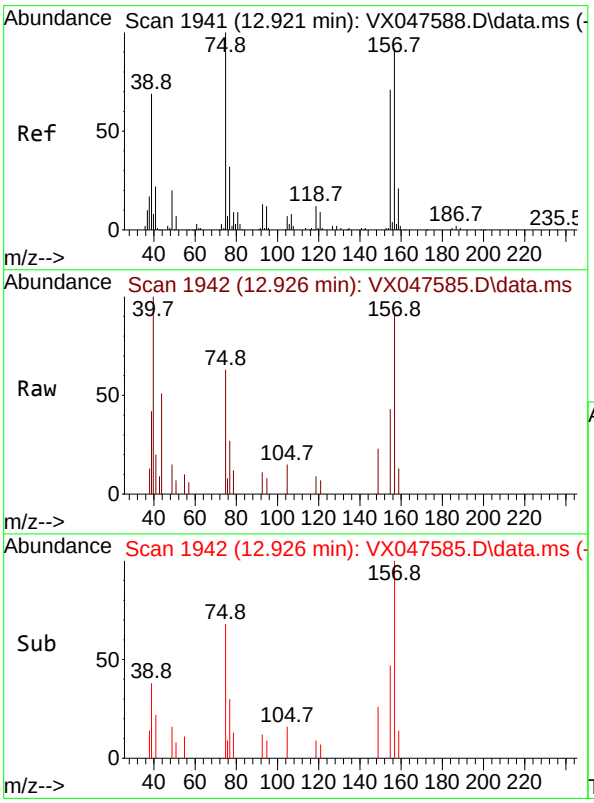
#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5491

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4

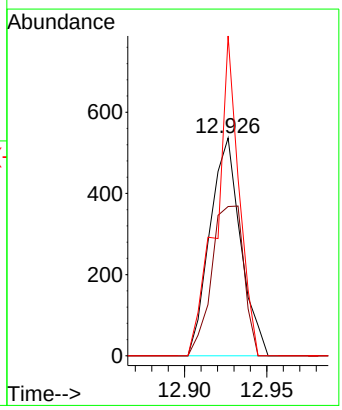


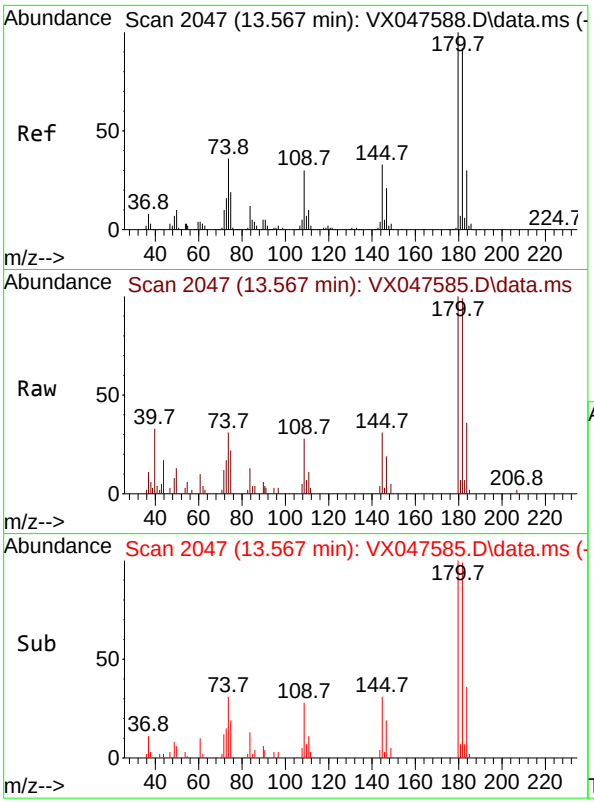


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4



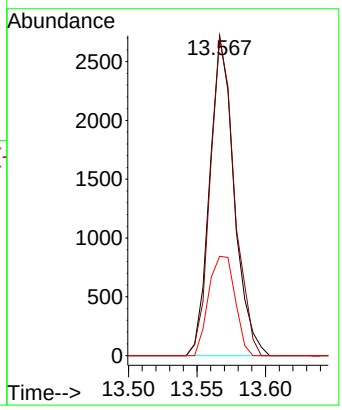


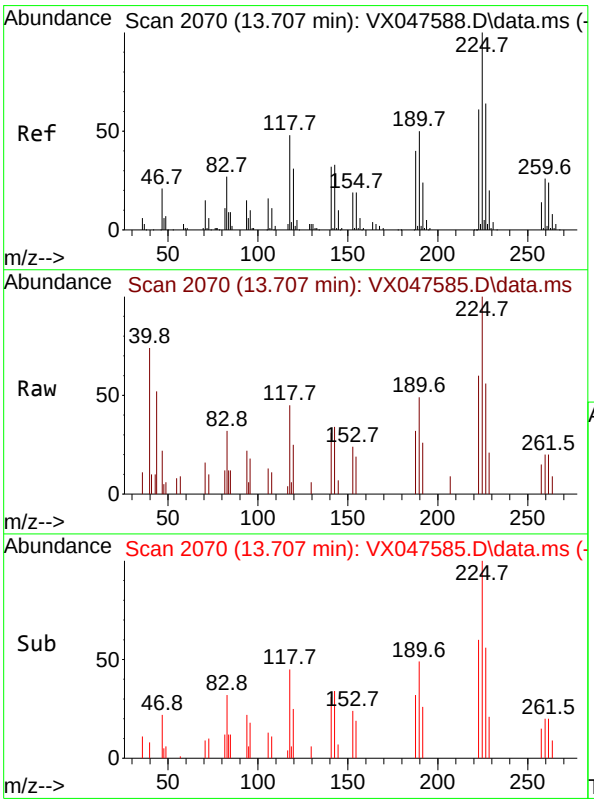
#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 3358

Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1

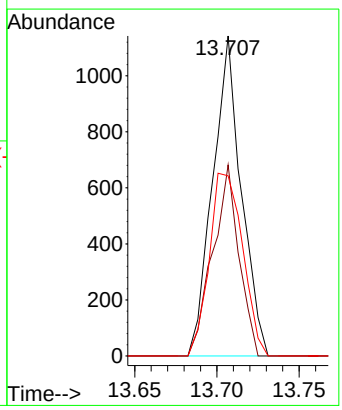


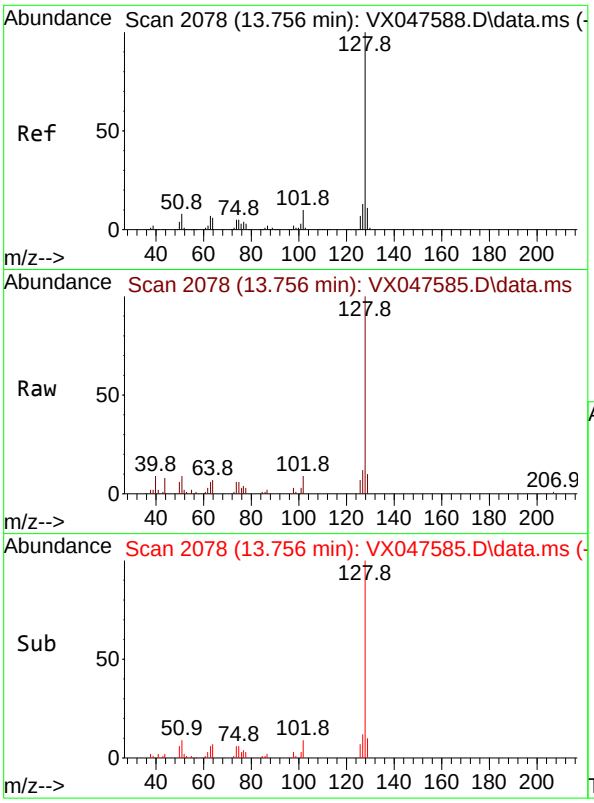


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0



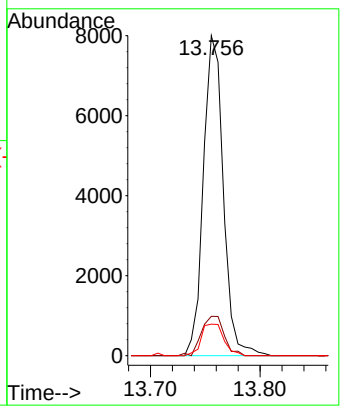


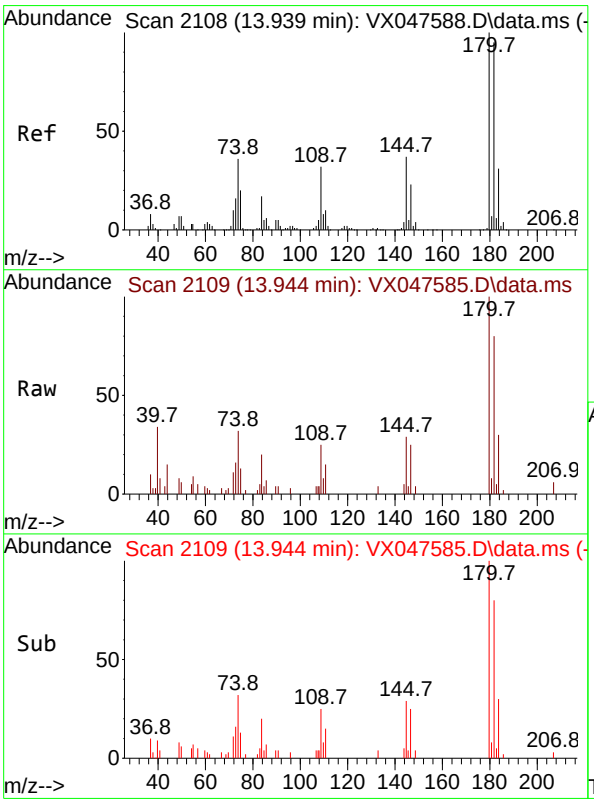
#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 10112

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2

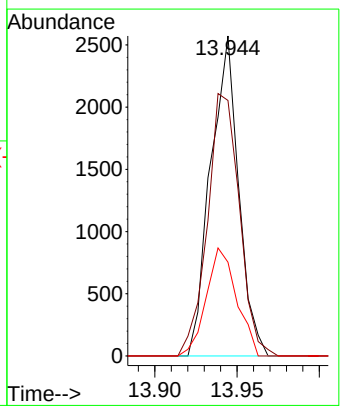




#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 11.100%#			
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.620%#			
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 10.660%#			
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 10.860%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l		95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l		99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l		99
44) Trichloroethene	7.111	130	13576	5.314	ug/l		97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l		99
46) Dibromomethane	7.568	93	10133	5.146	ug/l		99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l		99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l		99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l		100
52) Toluene	8.702	92	34314	5.271	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l		97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l		91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l		97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l		98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l		99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l		95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l		98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l		97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l		99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l		100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l		99
69) o-Xylene	10.628	106	23300	5.204	ug/l		98
70) Styrene	10.640	104	40872	5.210	ug/l		99
71) Bromoform	10.781	173	9298	5.006	ug/l	#	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l		100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	18494	5.847	ug/l		96
77) Bromobenzene	11.183	156	15066	5.150	ug/l		99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l		100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l		91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l		100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l		100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l		99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l		93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l		99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l		98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l		99
95) Naphthalene	13.756	128	49257	4.808	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

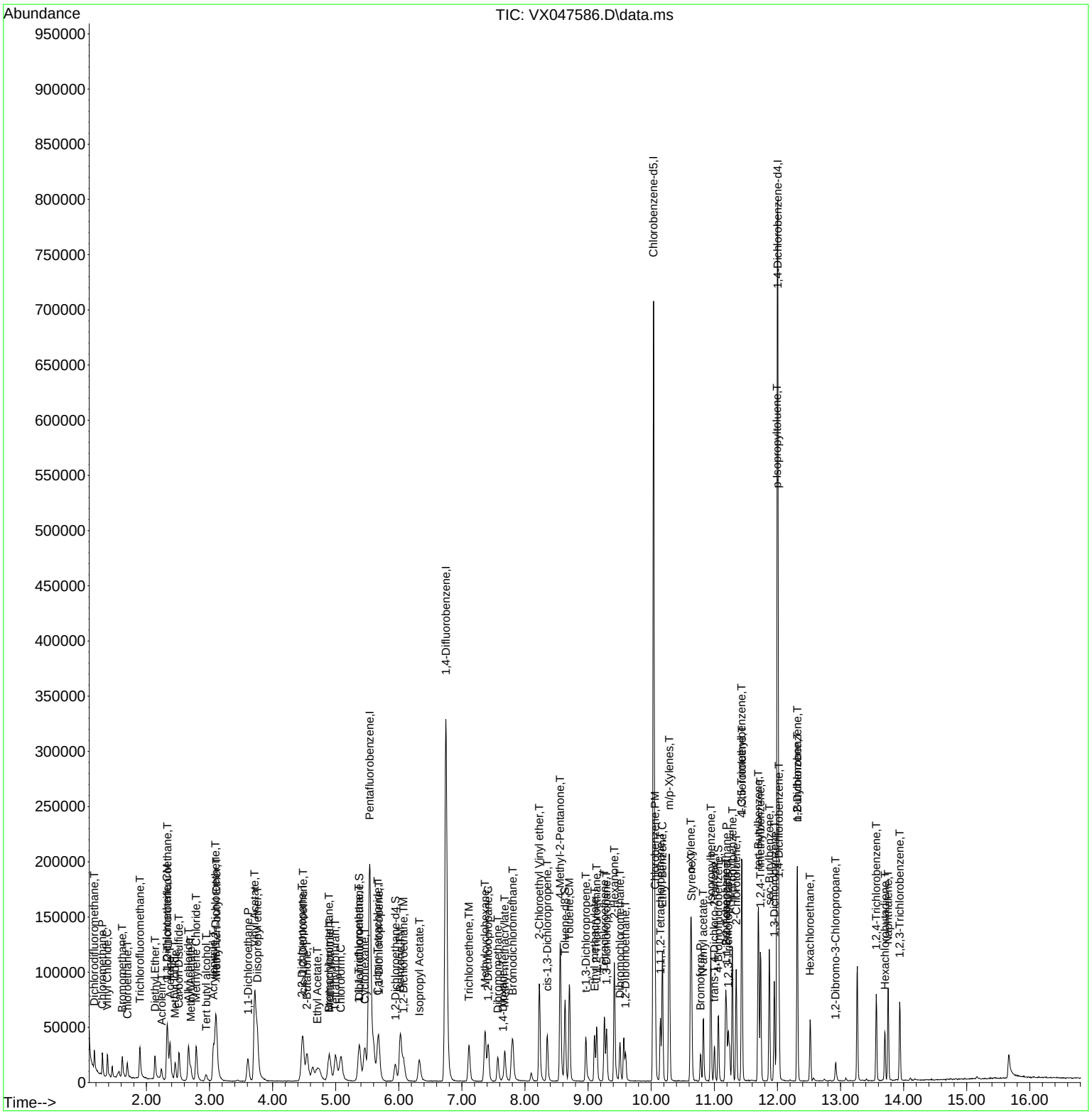
(#) = qualifier out of range (m) = manual integration (+) = signals summed

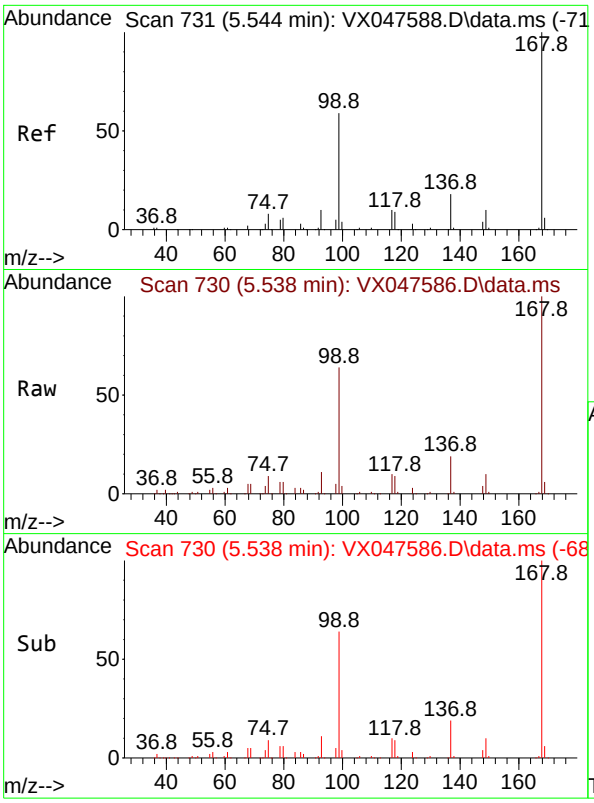
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



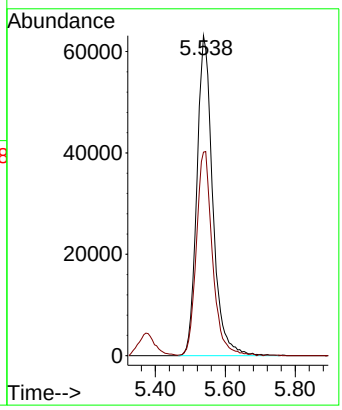


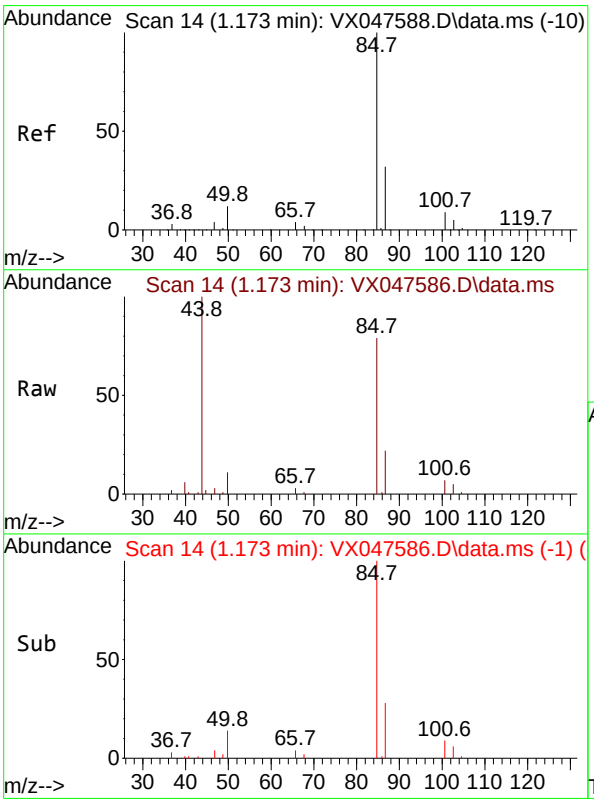
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 198376

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

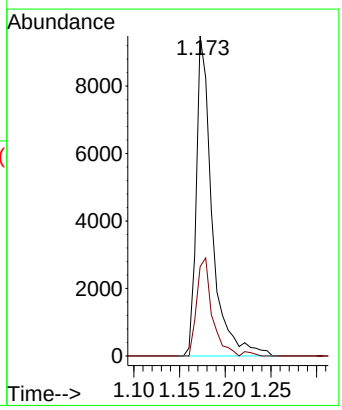


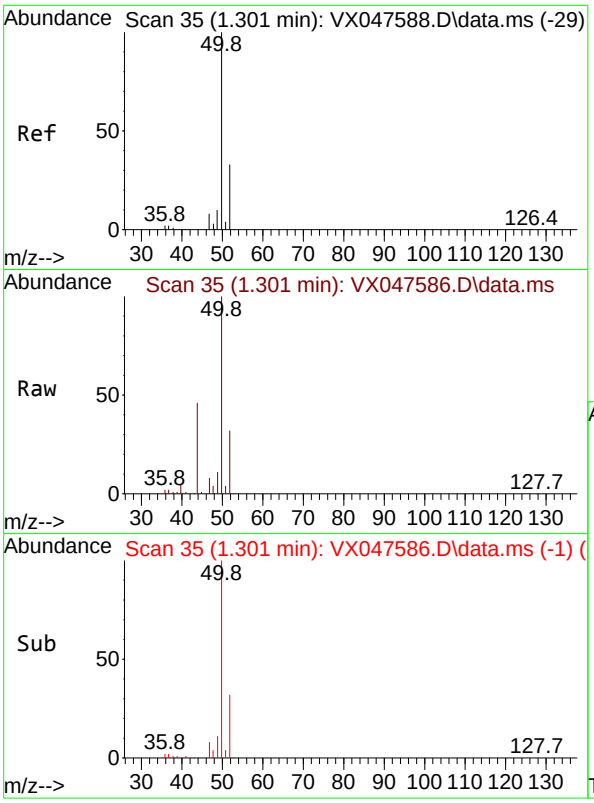


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3



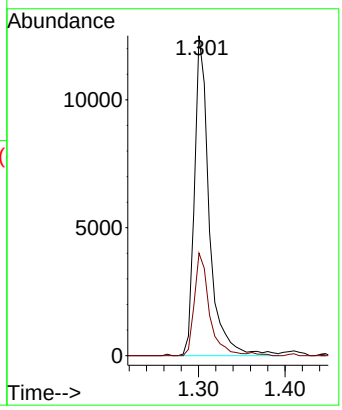


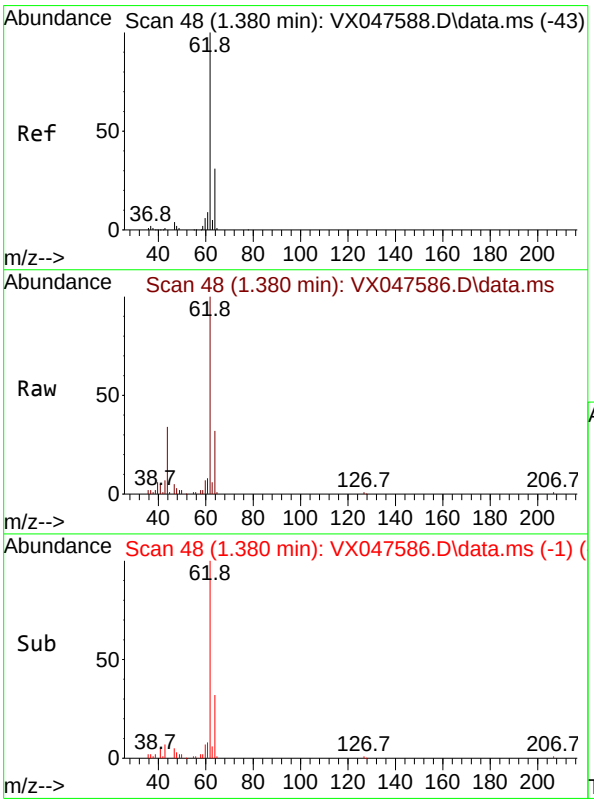
#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14854

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

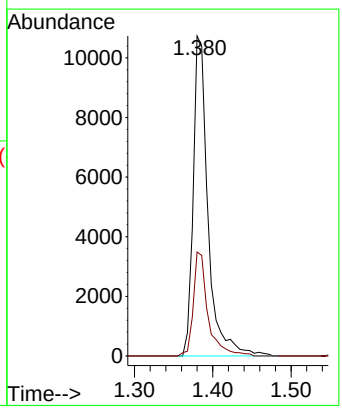


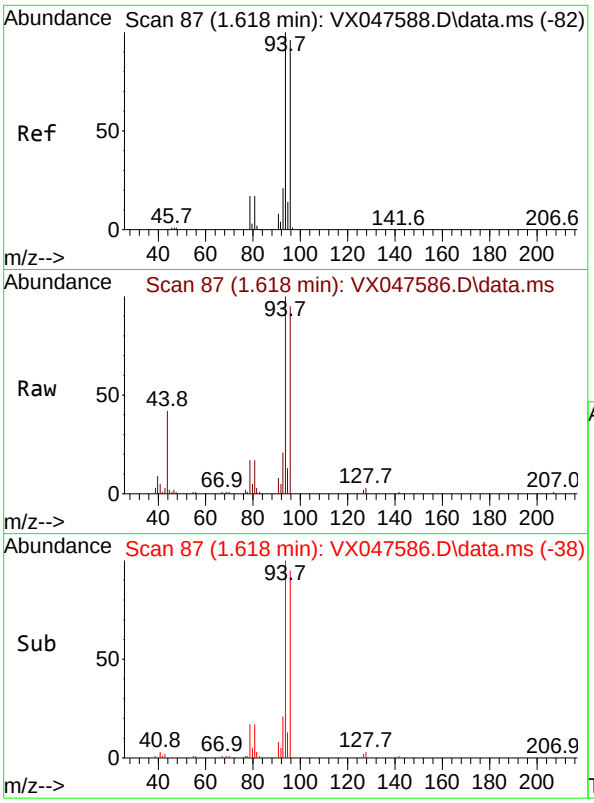


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



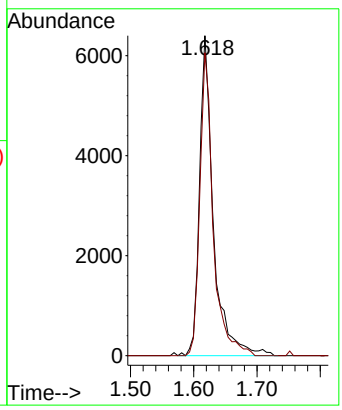


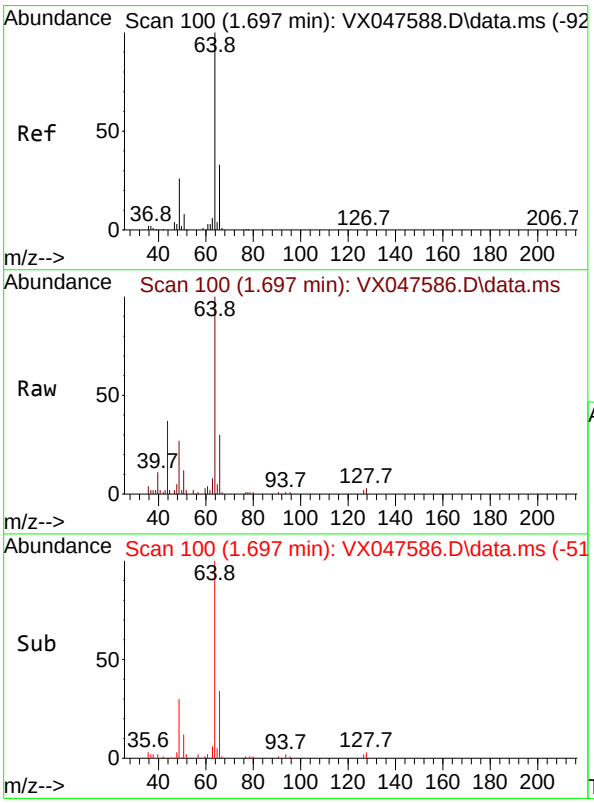
#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9780

Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0

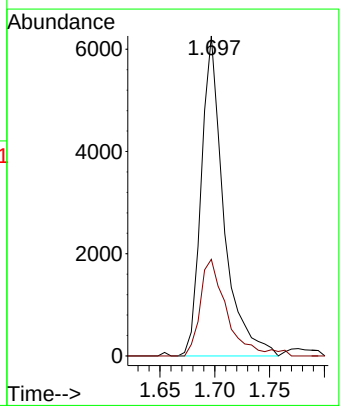


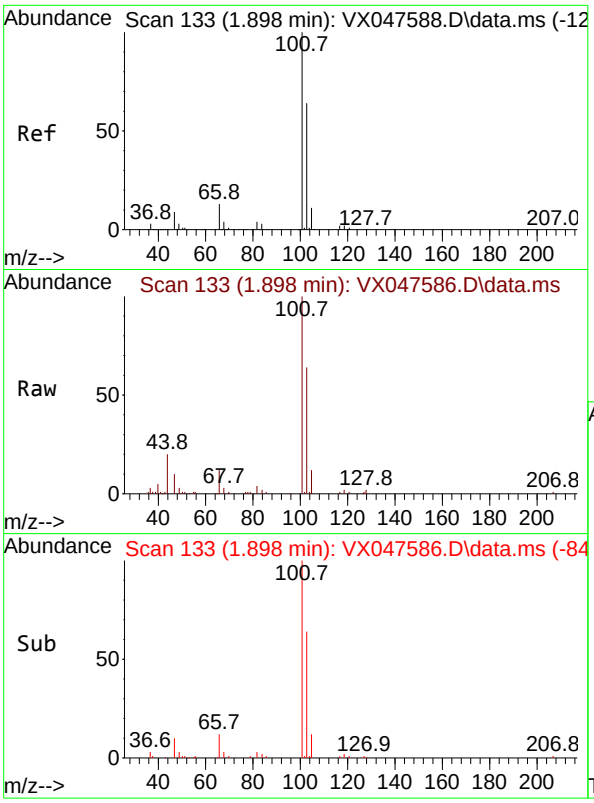


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1



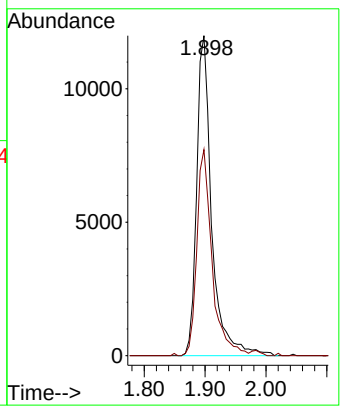


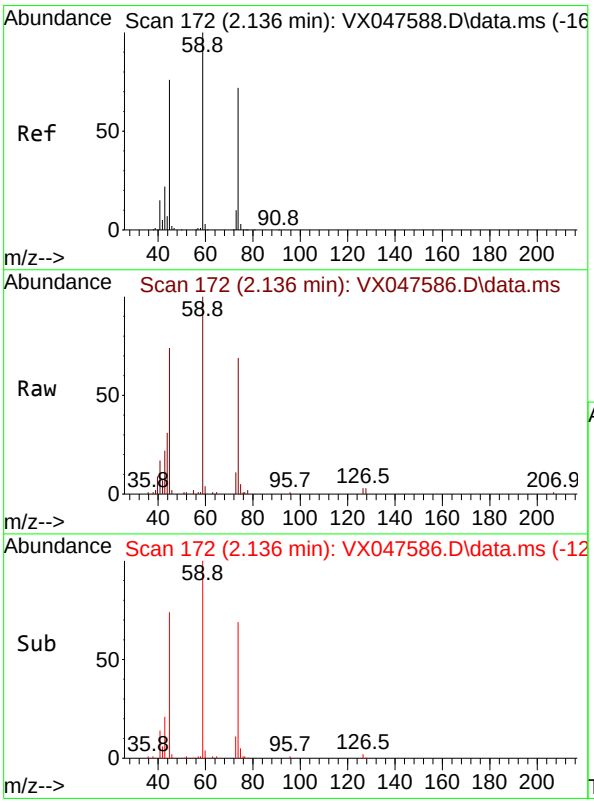
#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20497

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

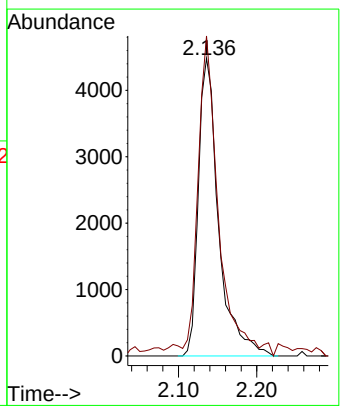


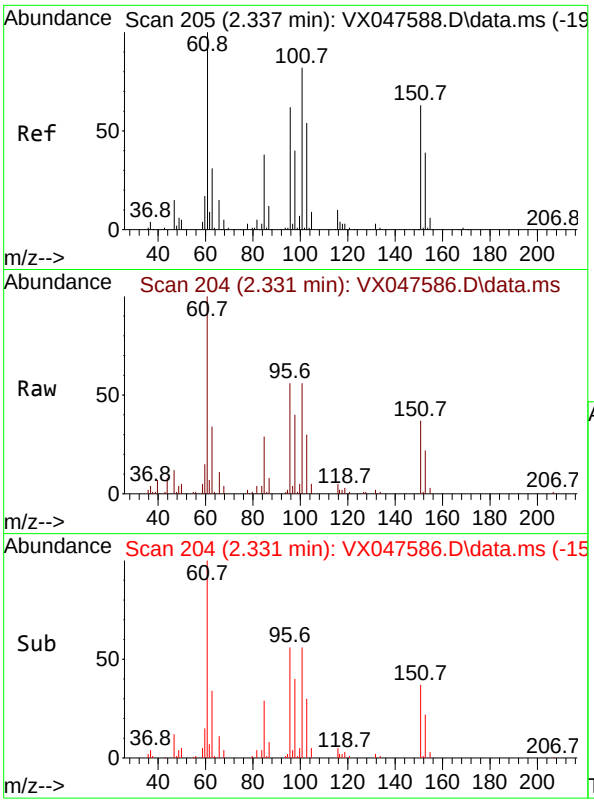


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8



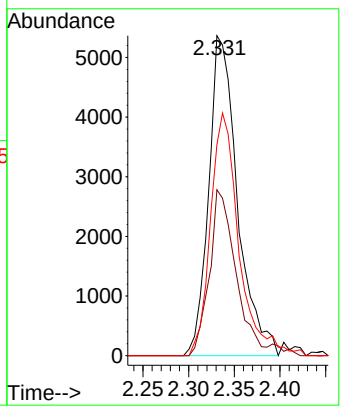


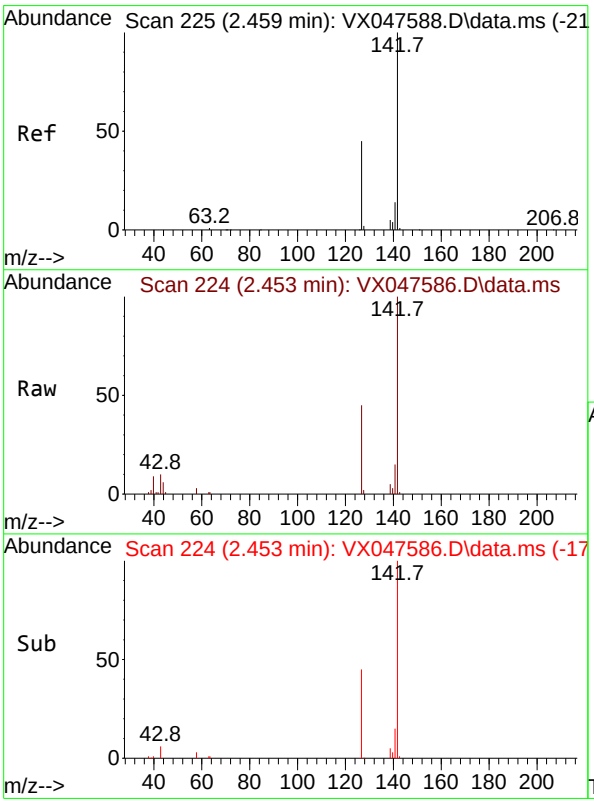
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11729

Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

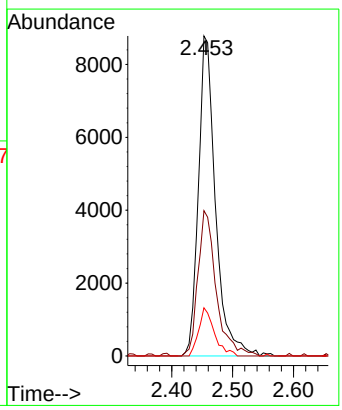


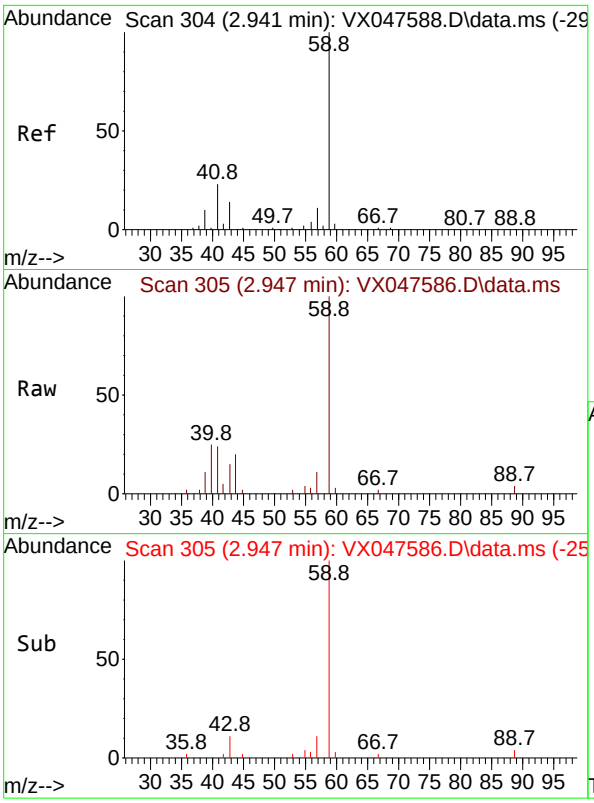


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0



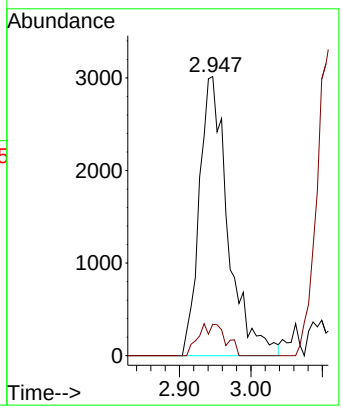


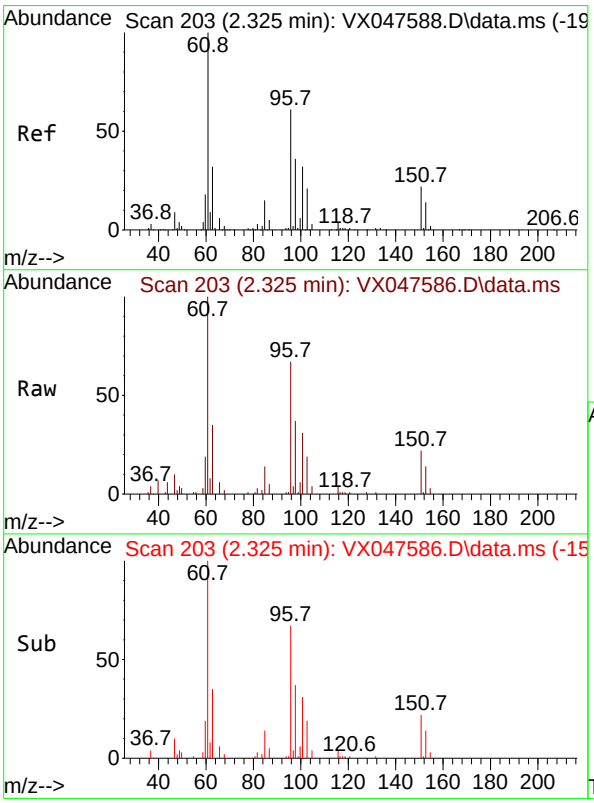
#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8399

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

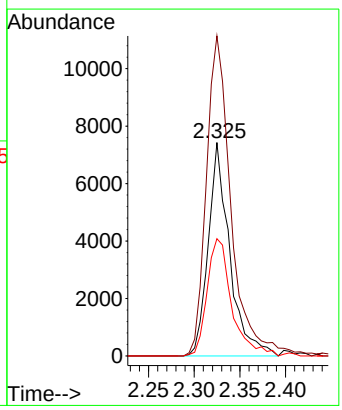


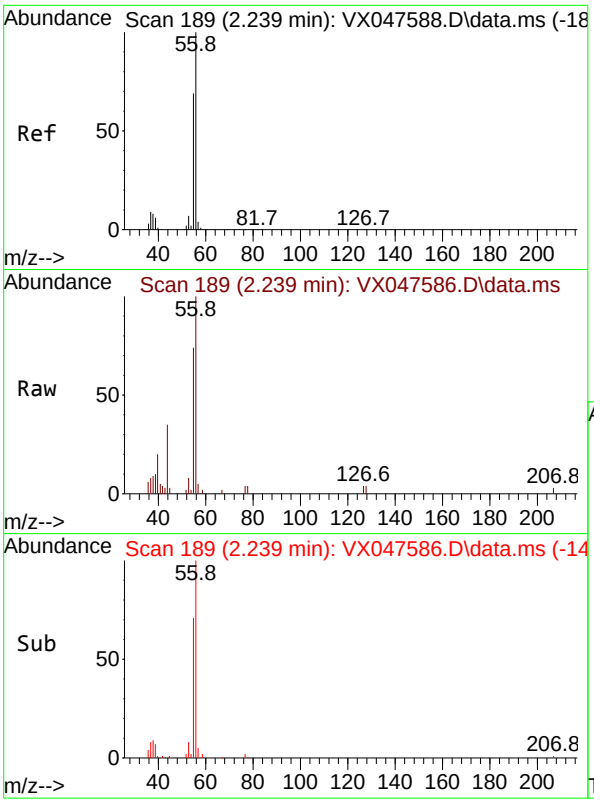


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5



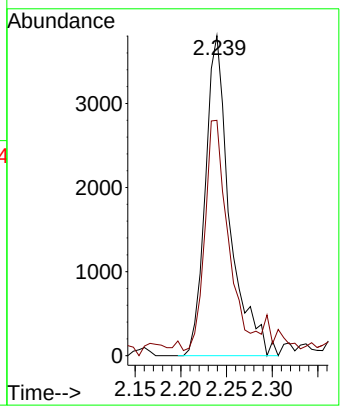


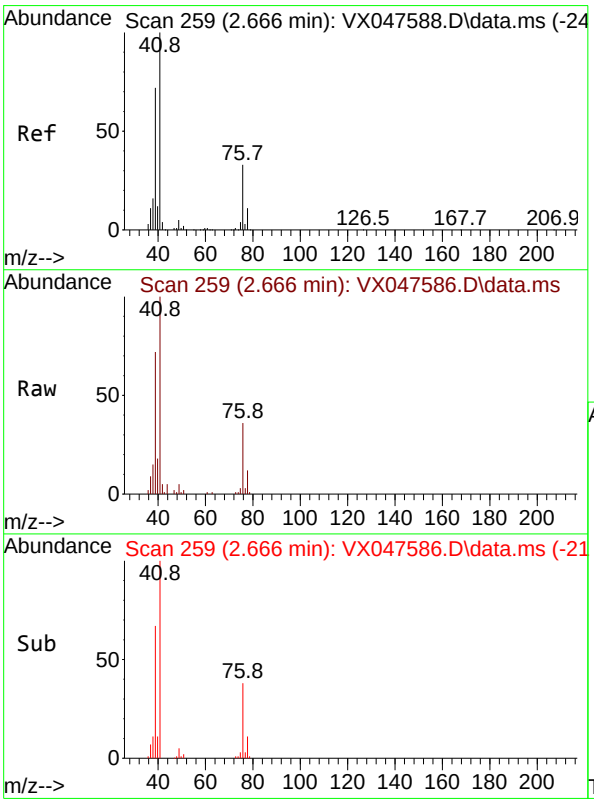
#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7080

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

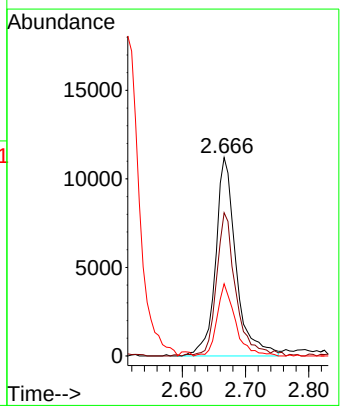


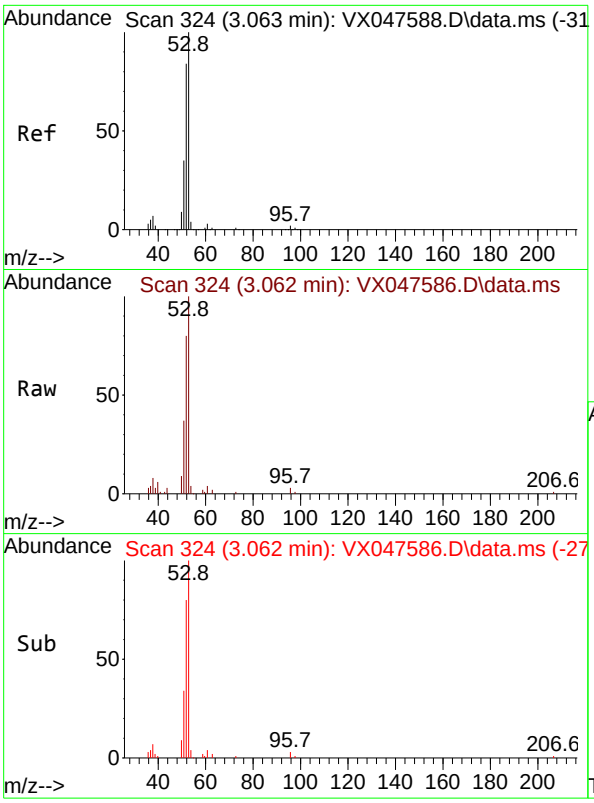


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5



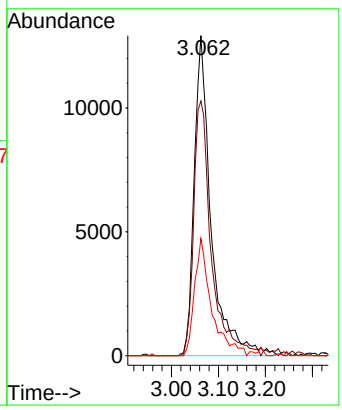


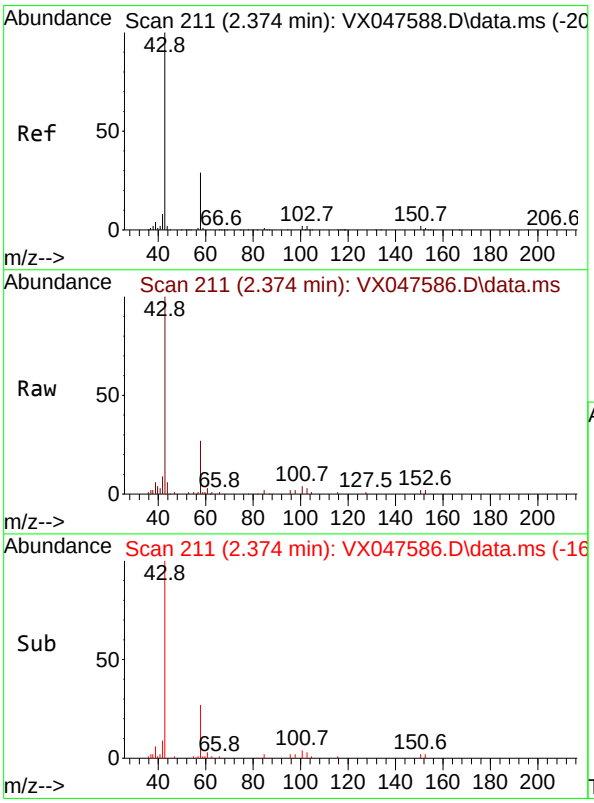
#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 32587

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

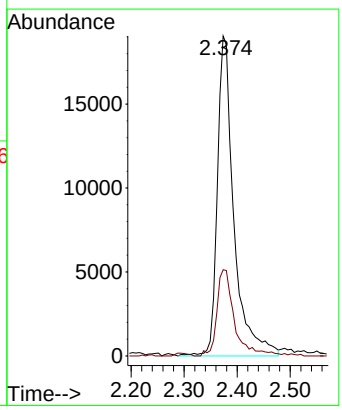


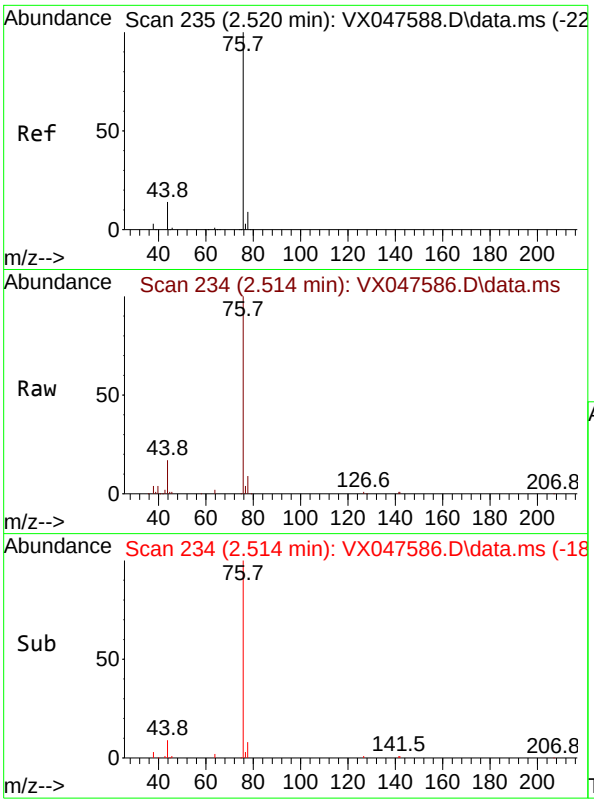


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0



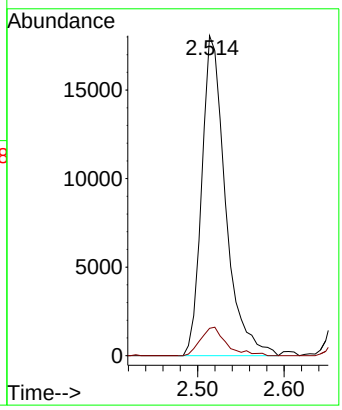


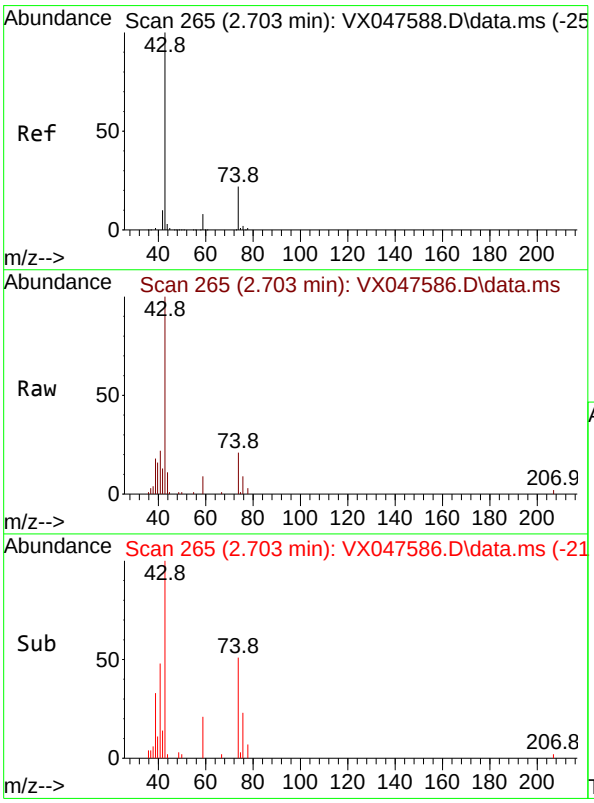
#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34426

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

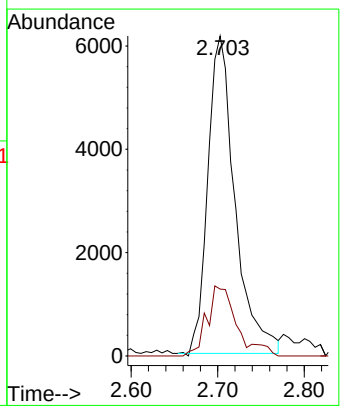


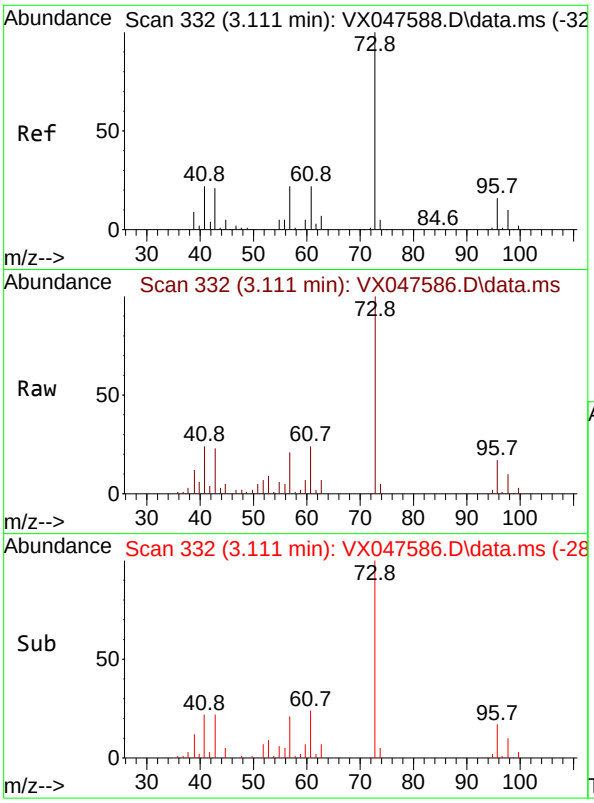


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



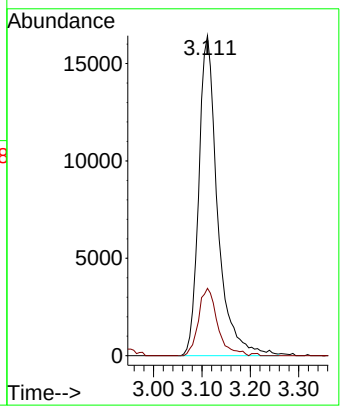


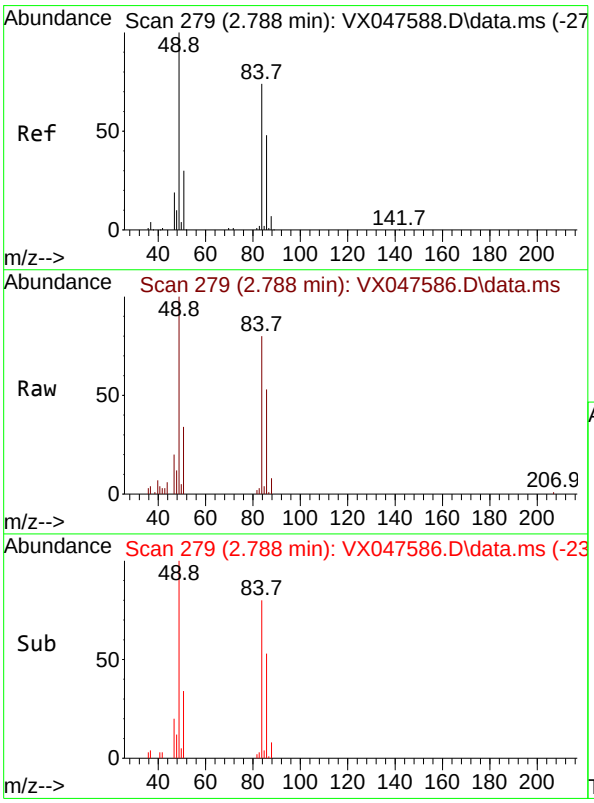
#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 44396

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

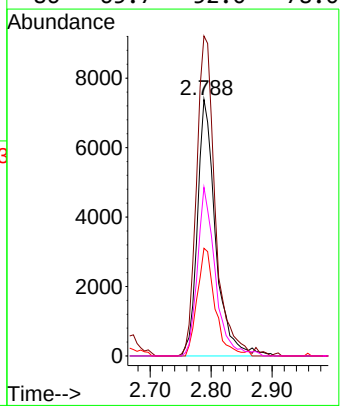


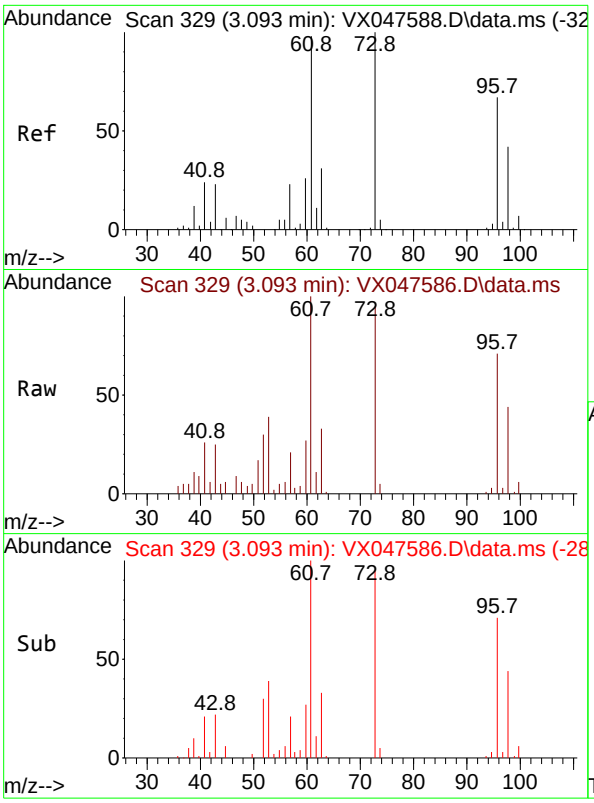


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0



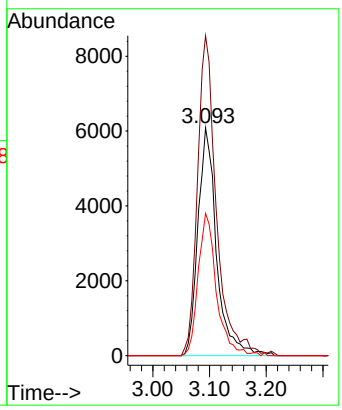


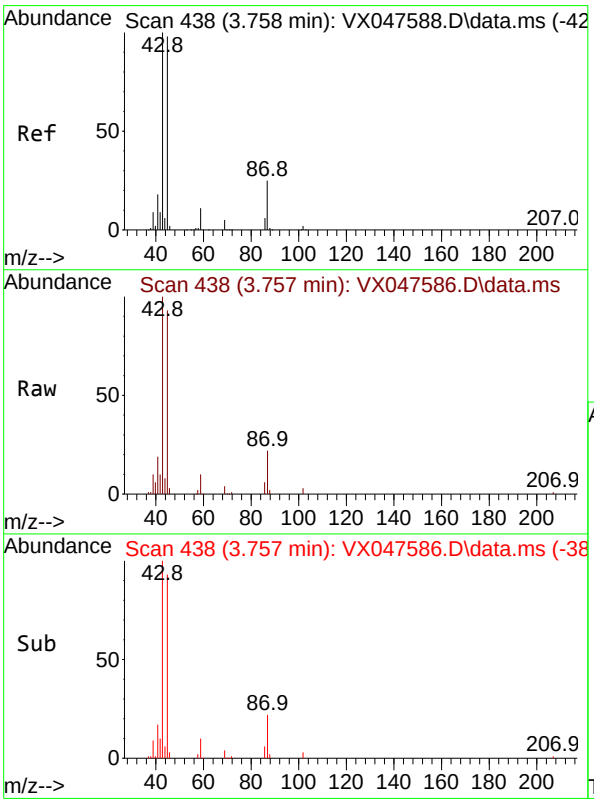
#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 13937

Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9

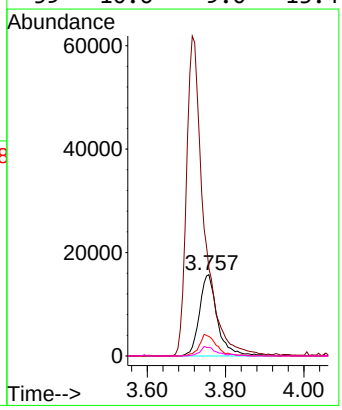


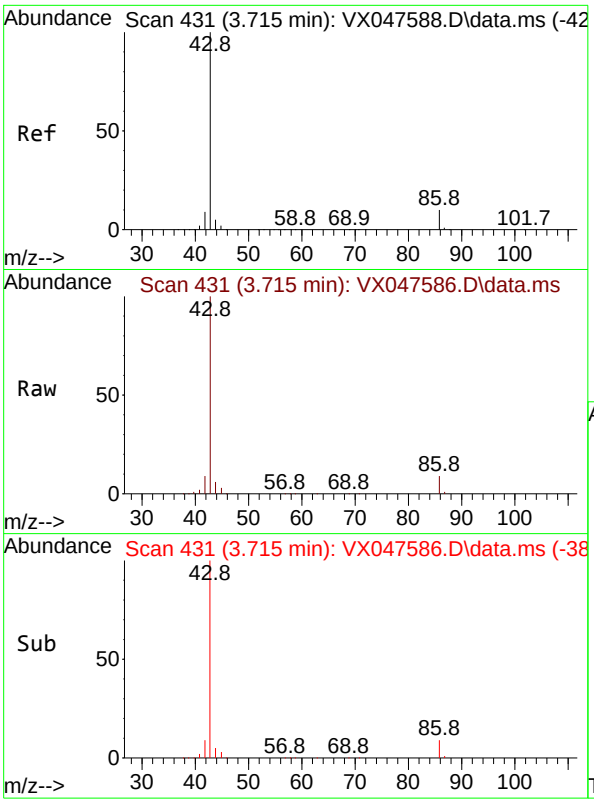


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4



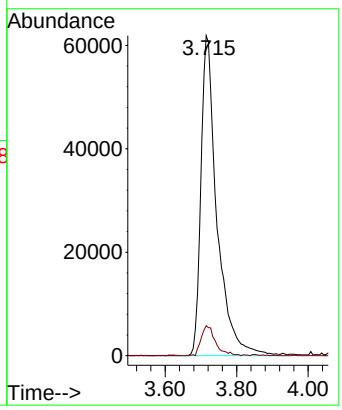


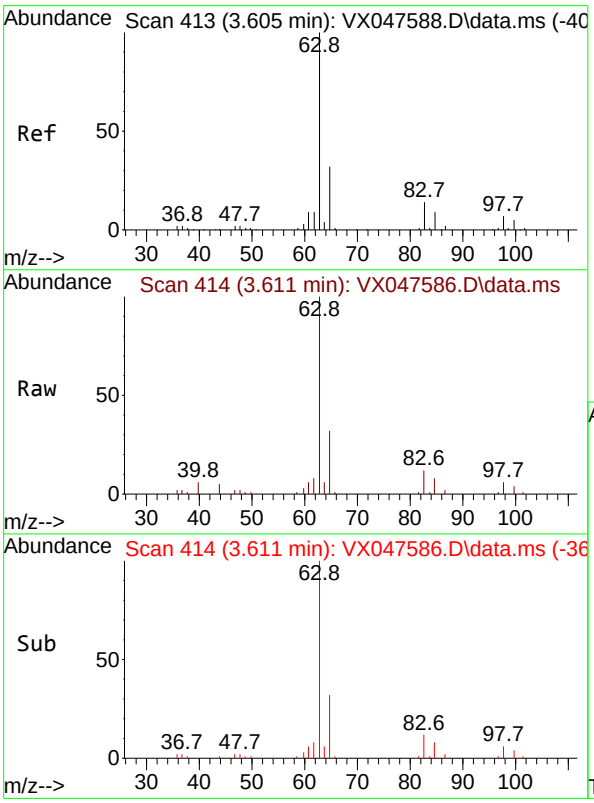
#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 192175

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

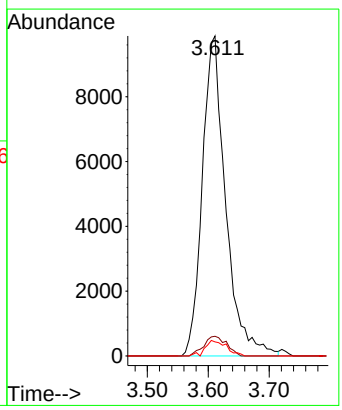


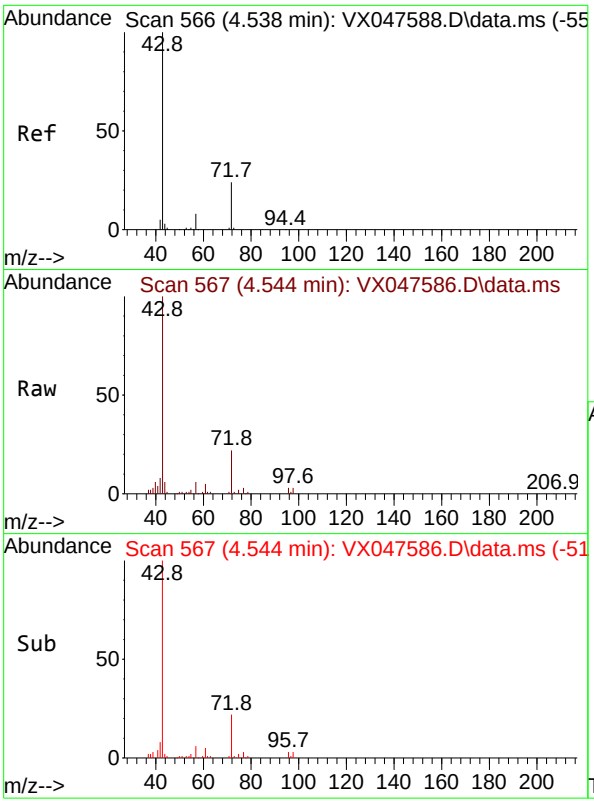


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9



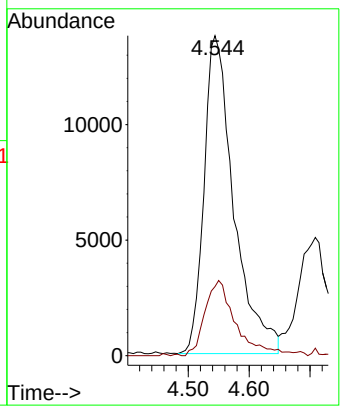


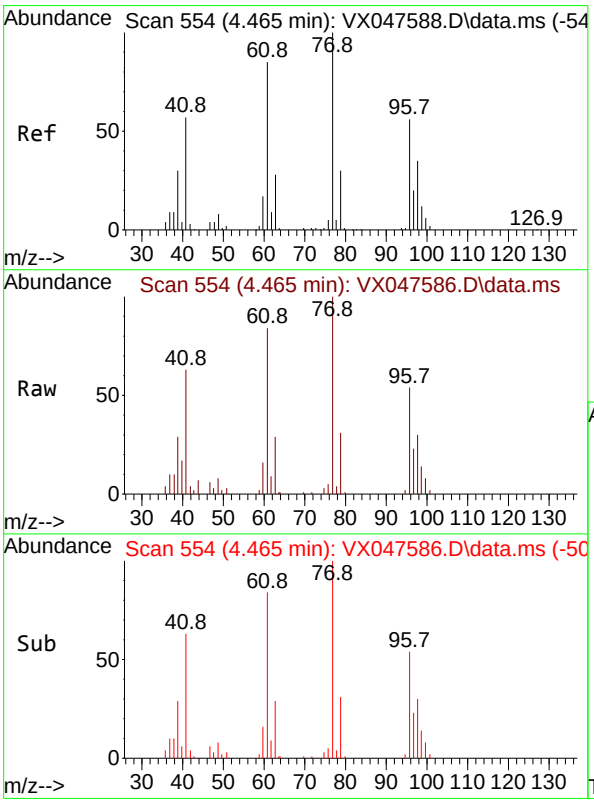
#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46651

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

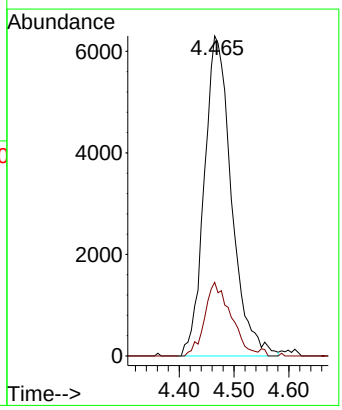


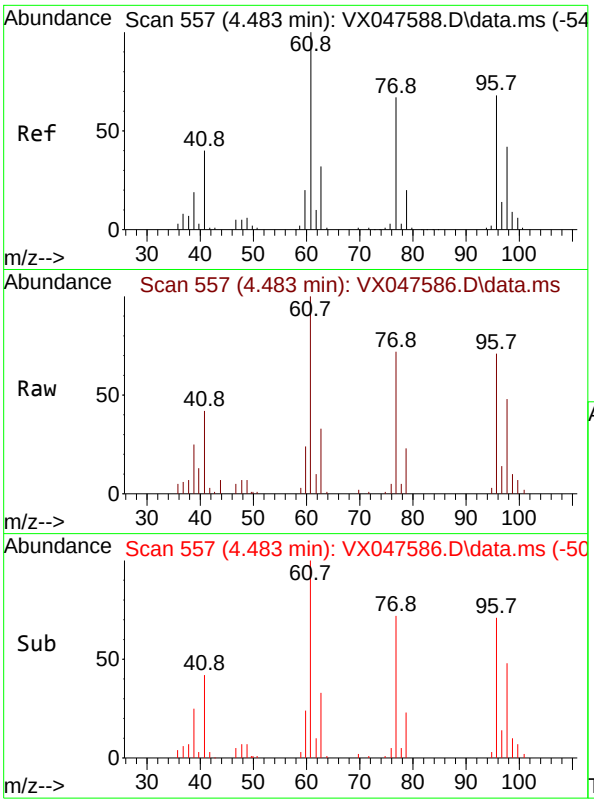


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



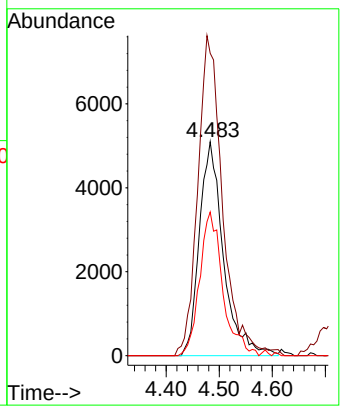


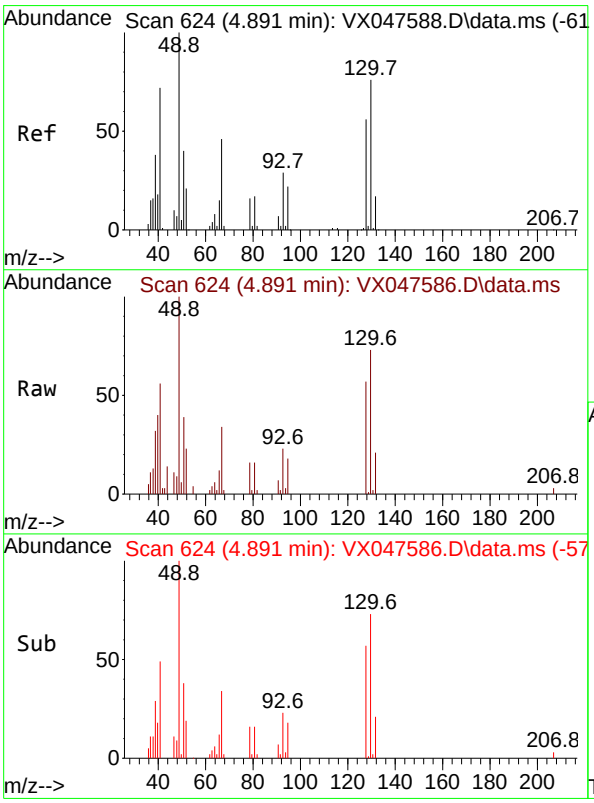
#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15996

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8

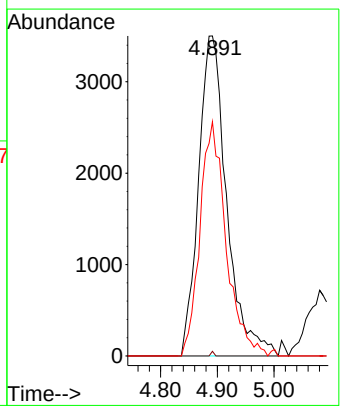


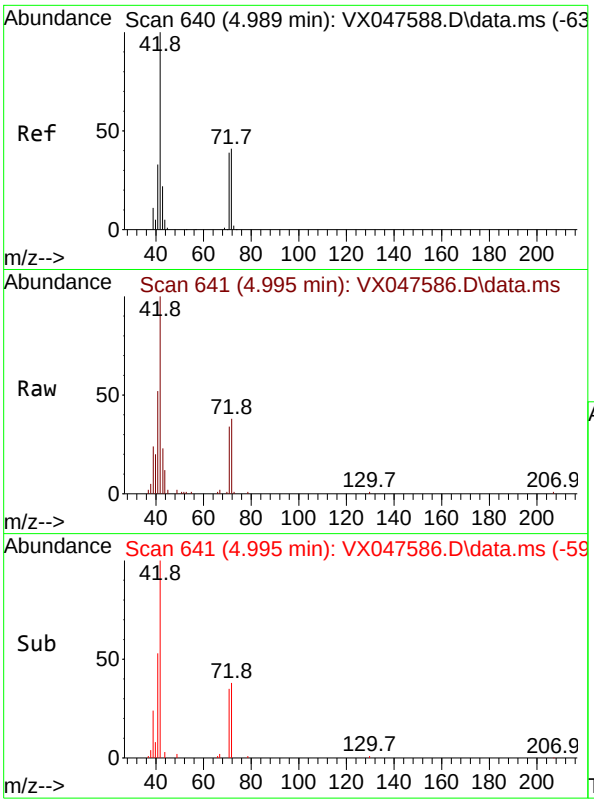


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8



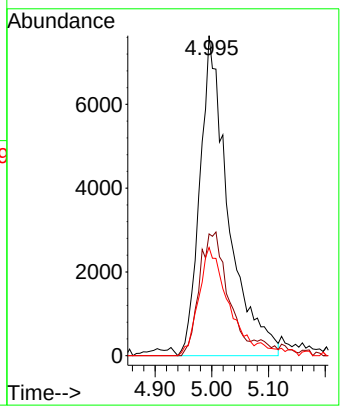


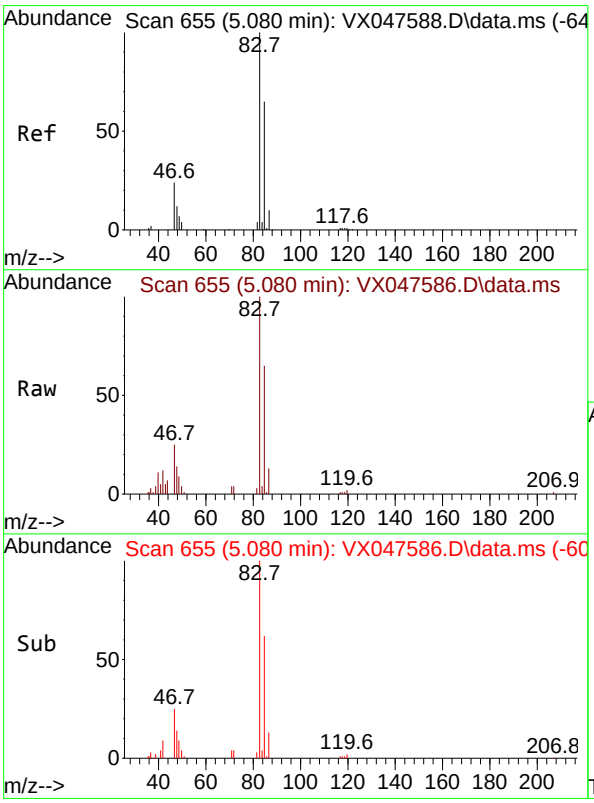
#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 26729

Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

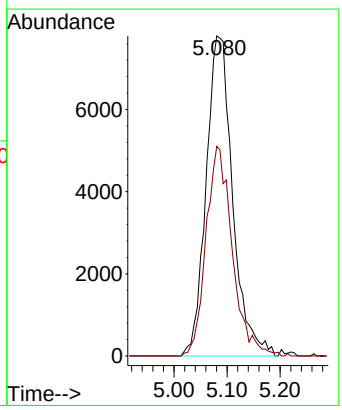


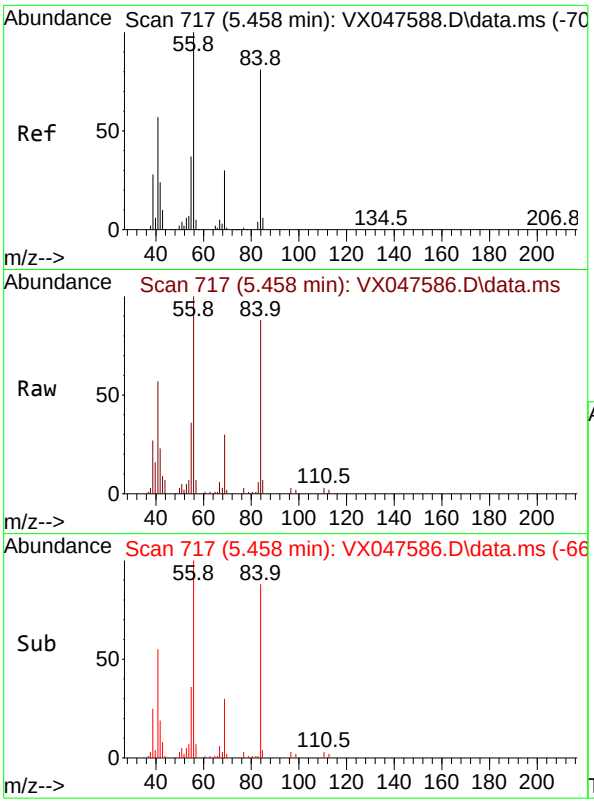


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



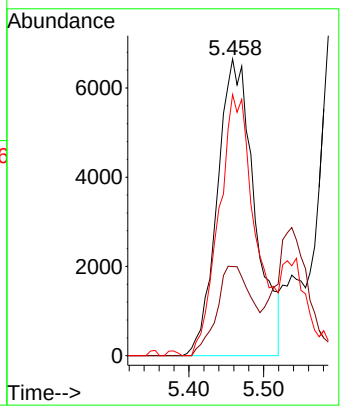


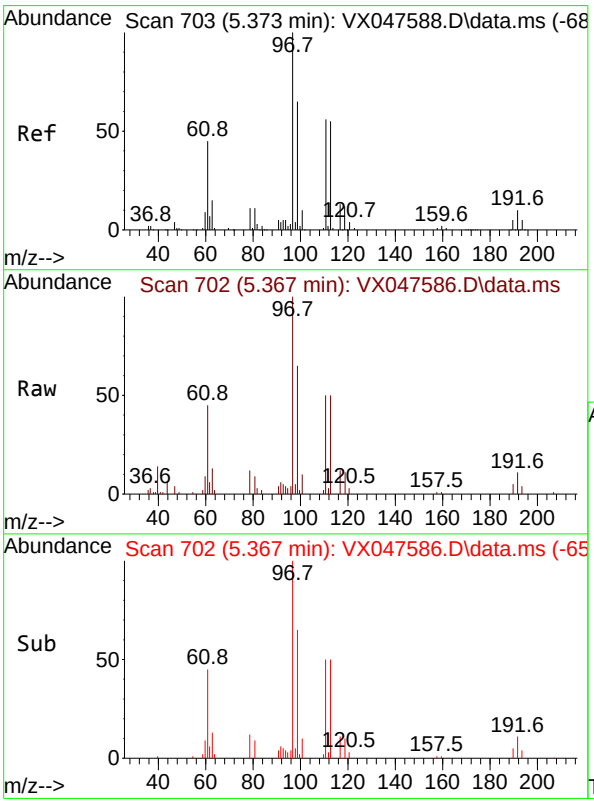
#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23032

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

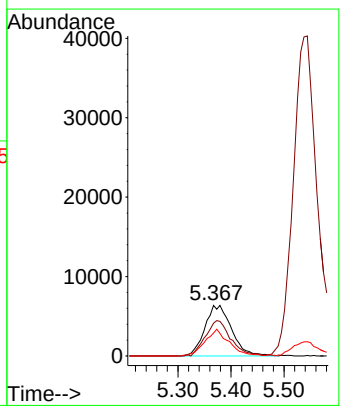


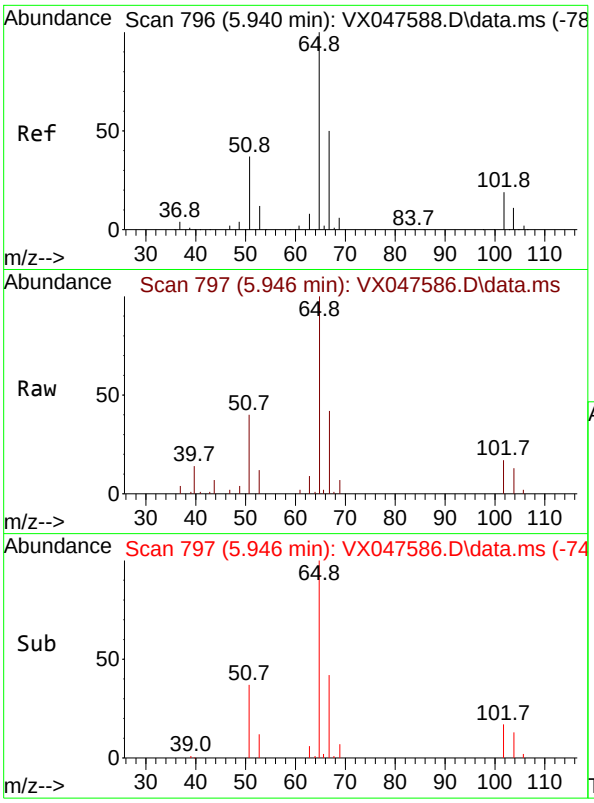


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8



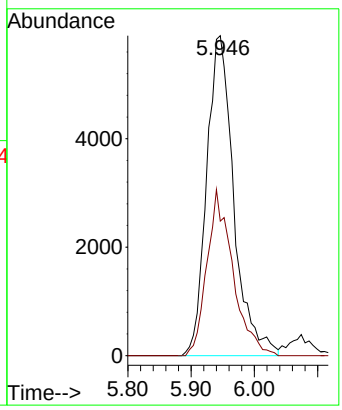


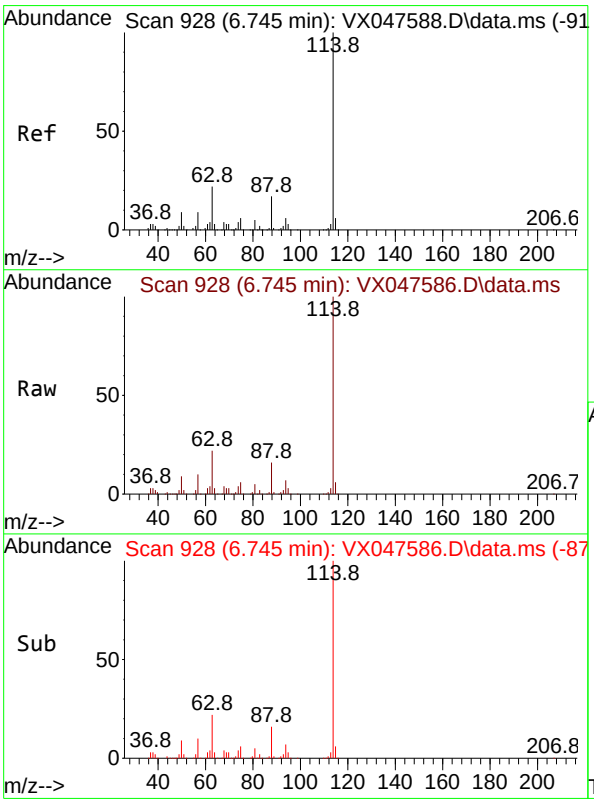
#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 17538

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0

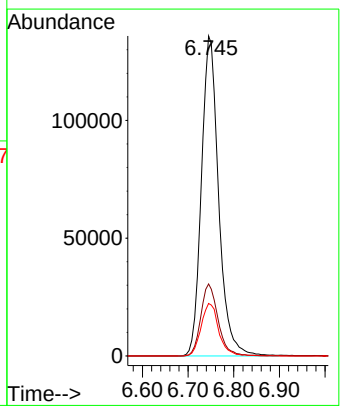


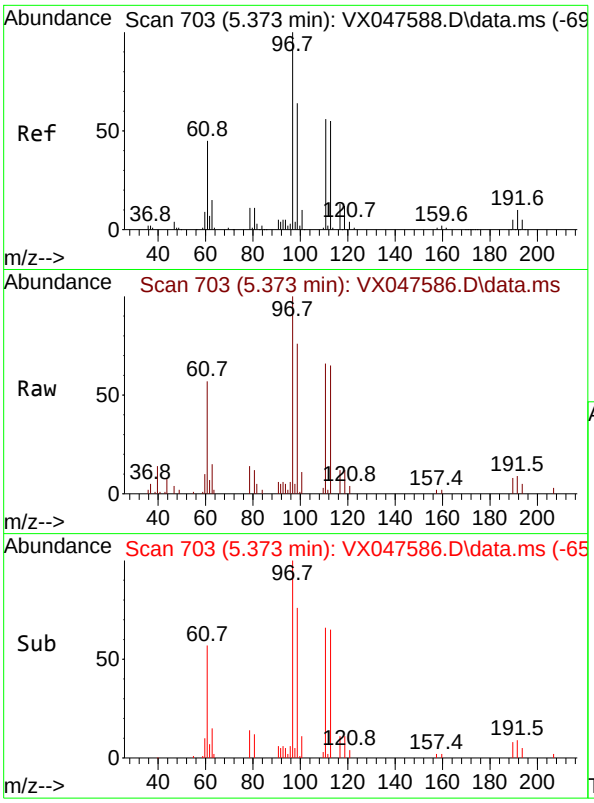


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2



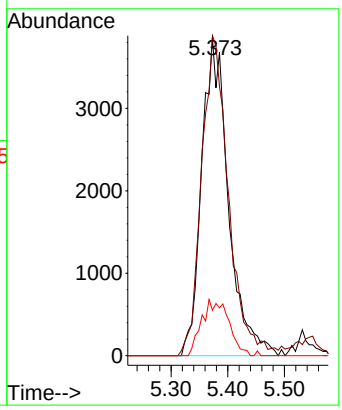


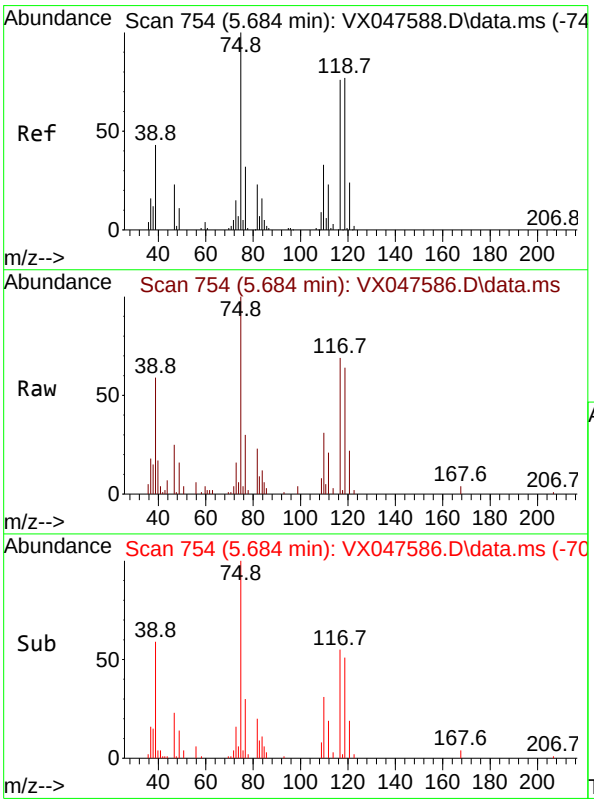
#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12647

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4

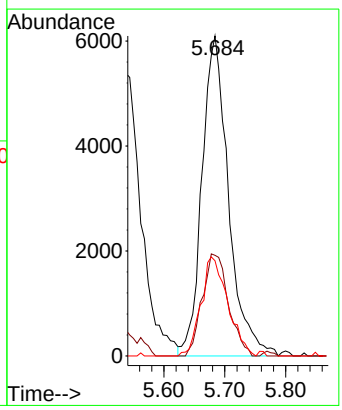


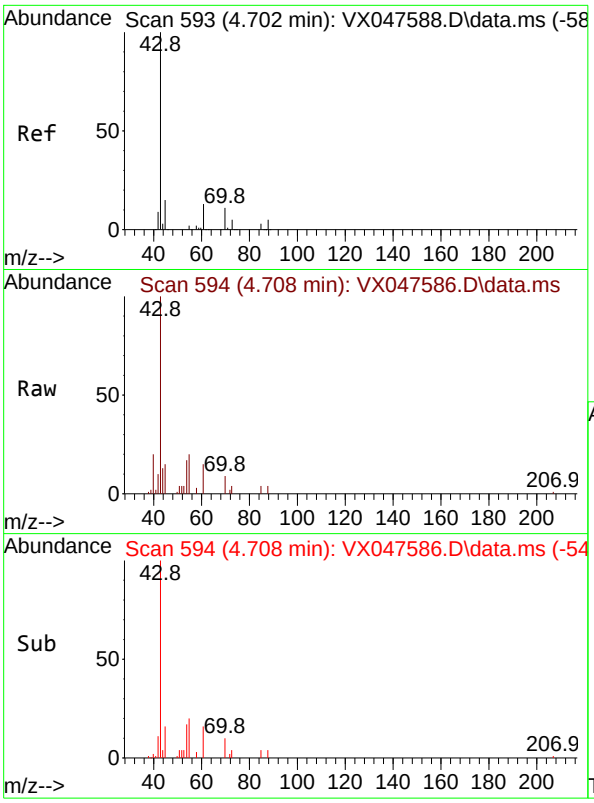


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5



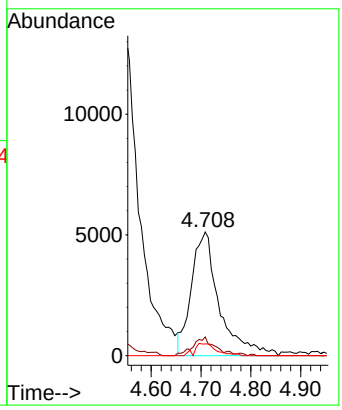


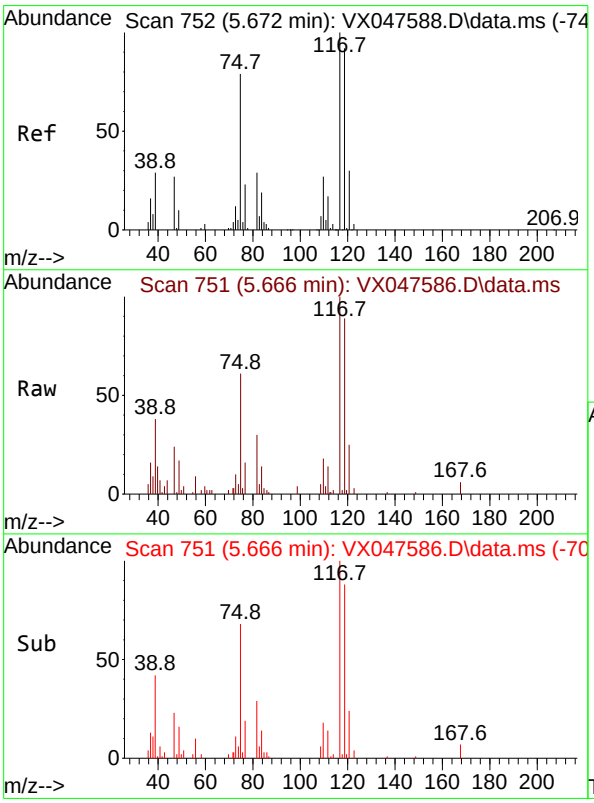
#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19913

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#

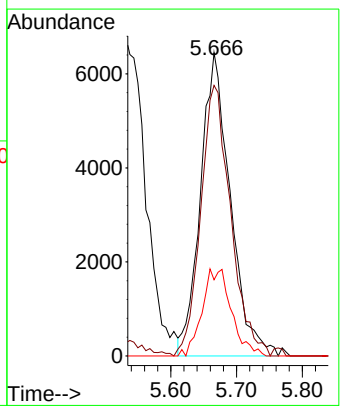


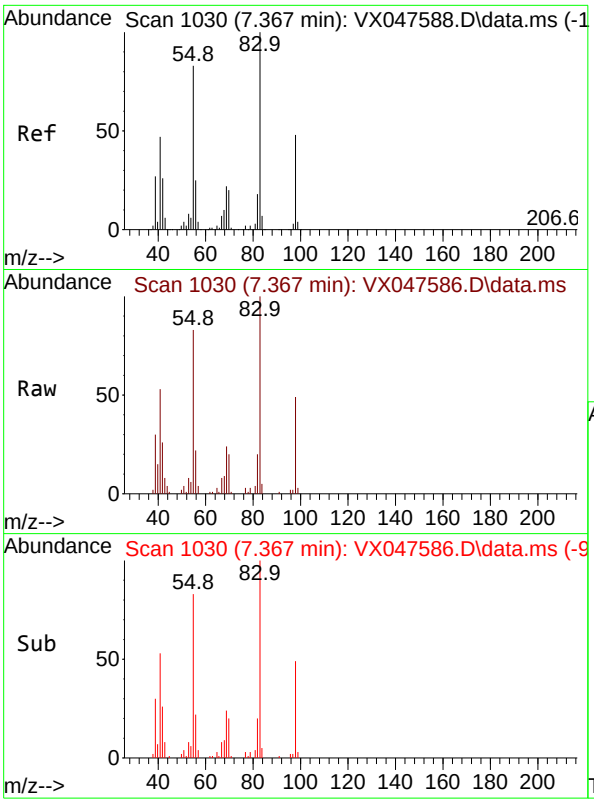


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6



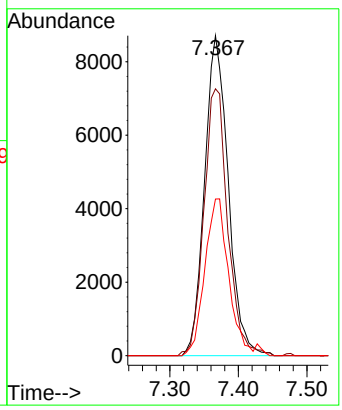


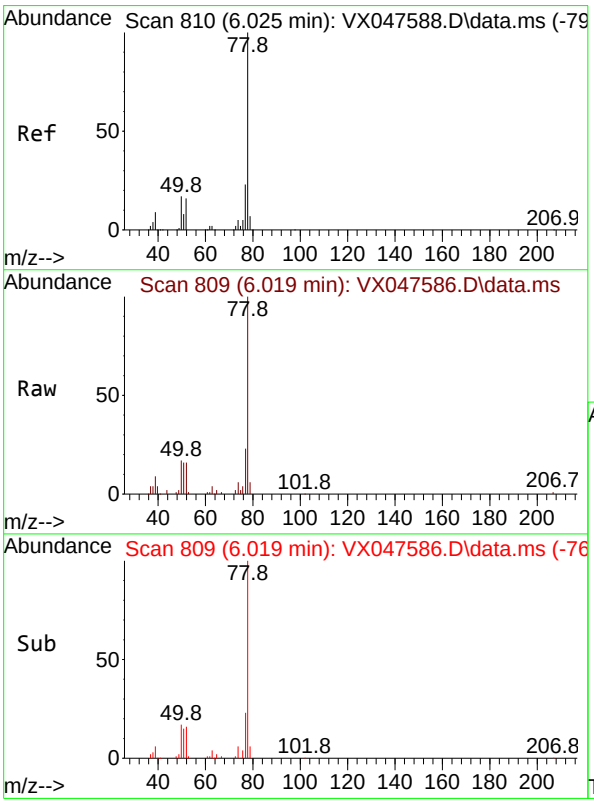
#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20900

Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

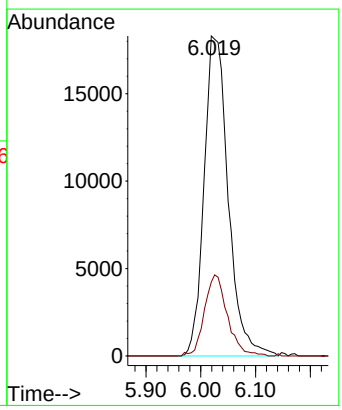


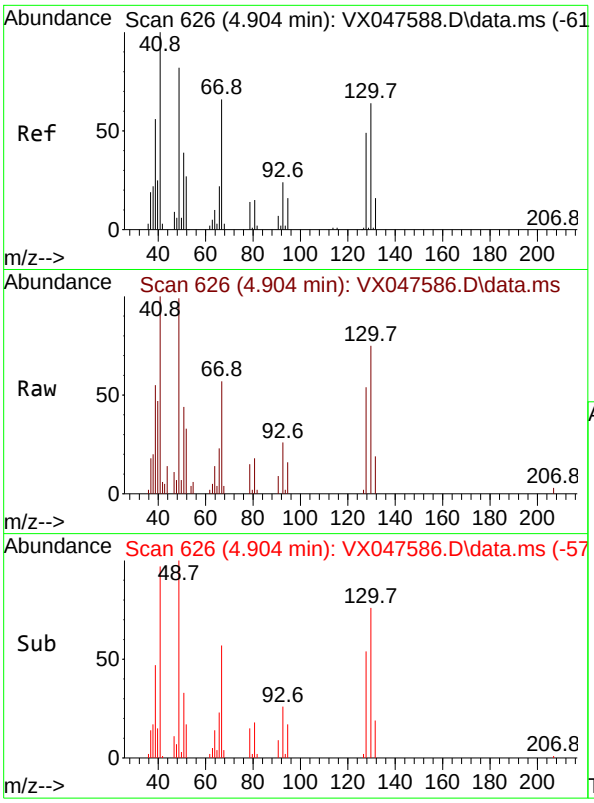


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



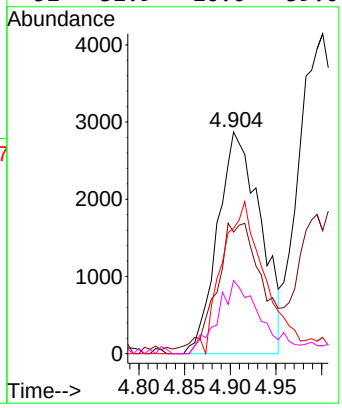


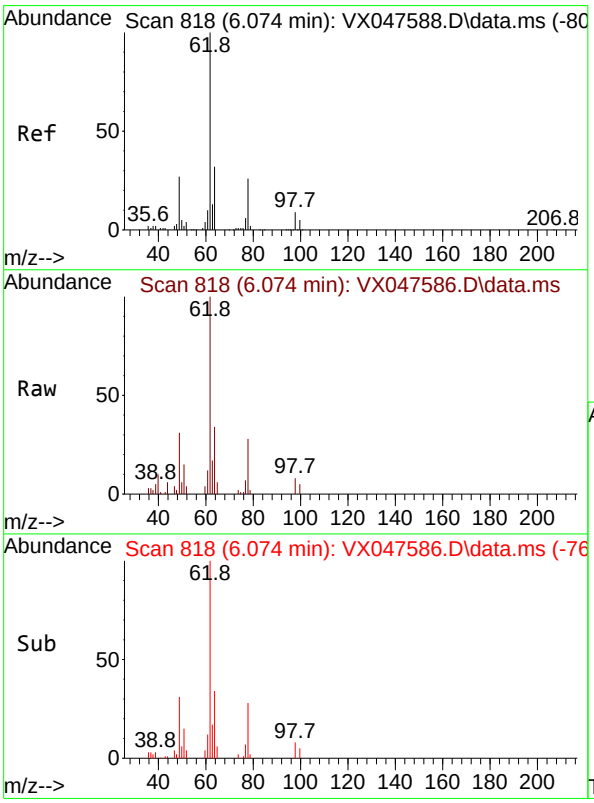
#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9390

Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0

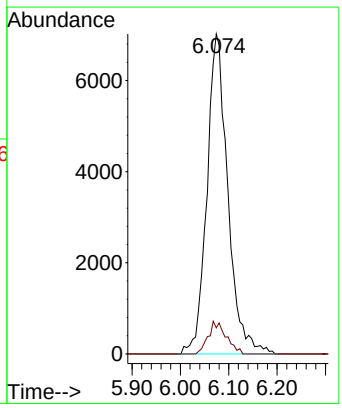


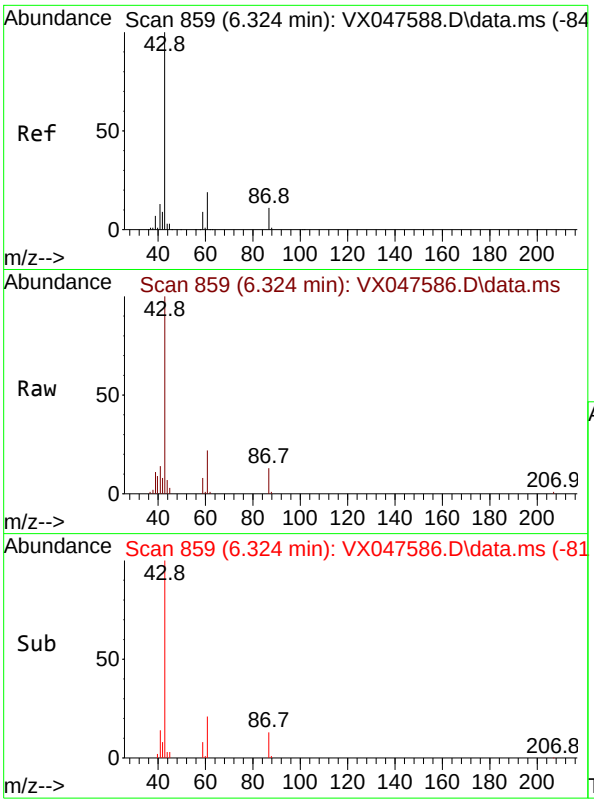


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



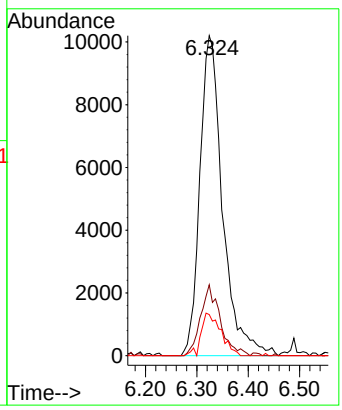


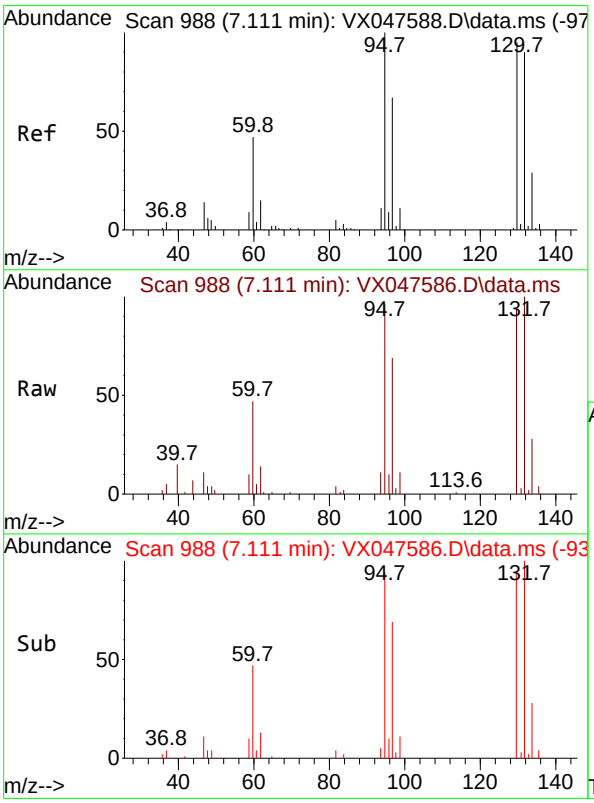
#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31304

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4

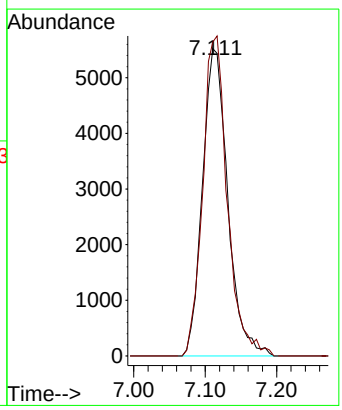


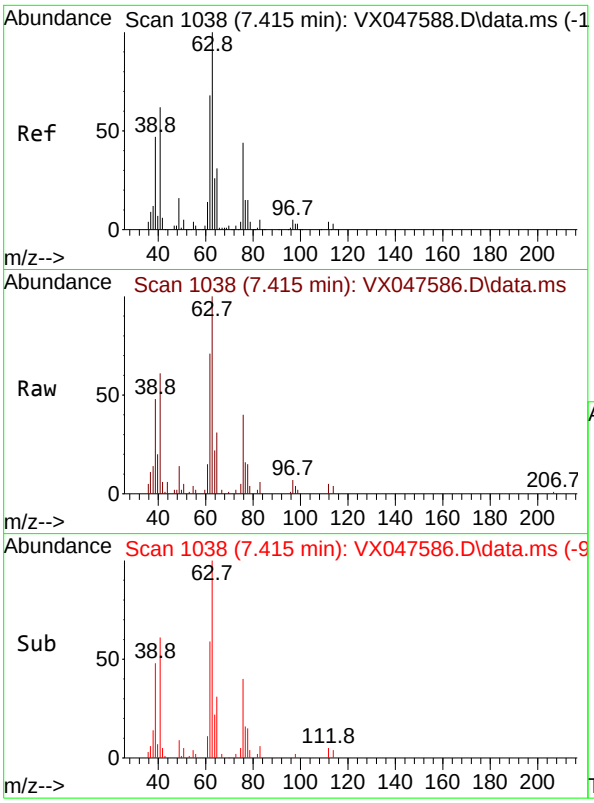


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8



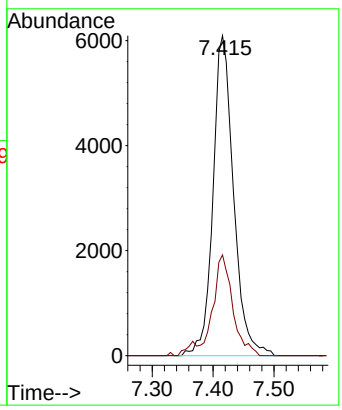


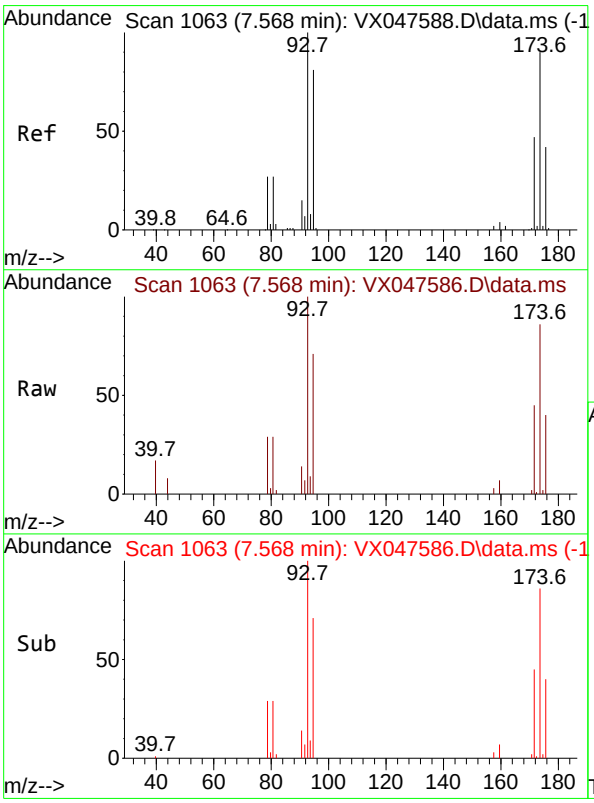
#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14305

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

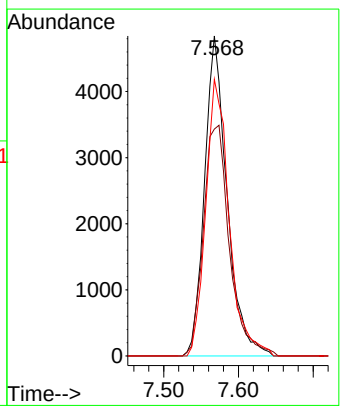


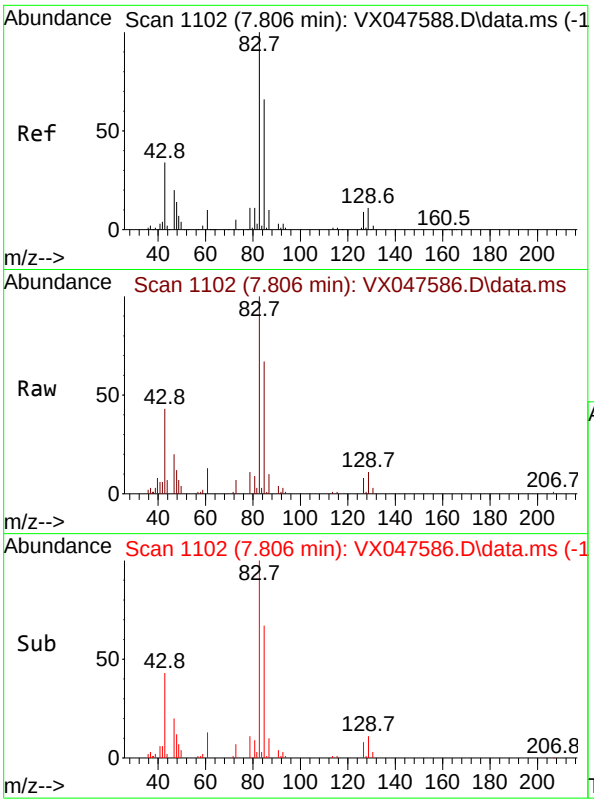


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4



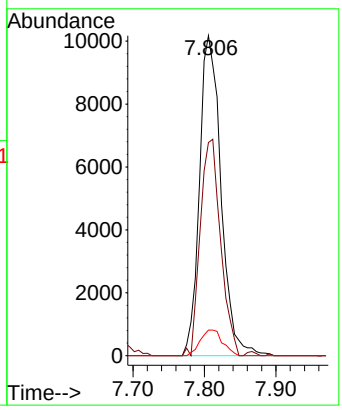


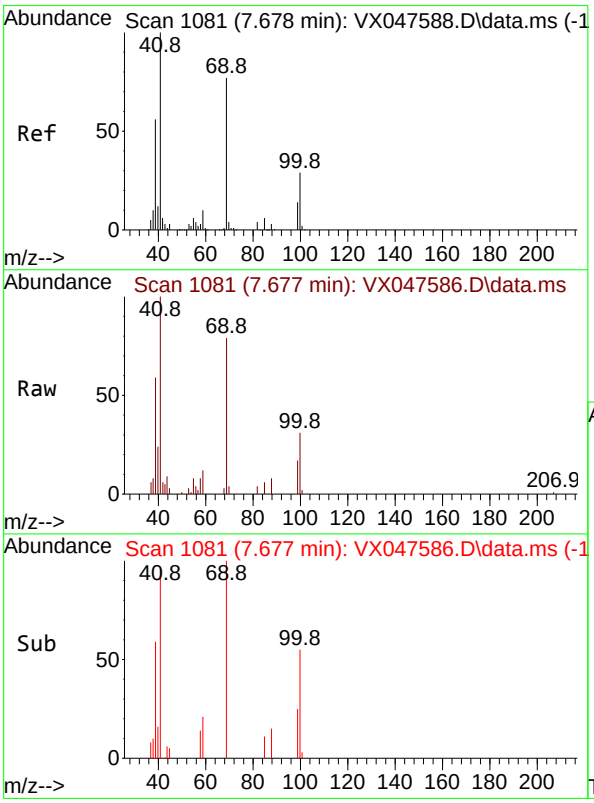
#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21270

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3

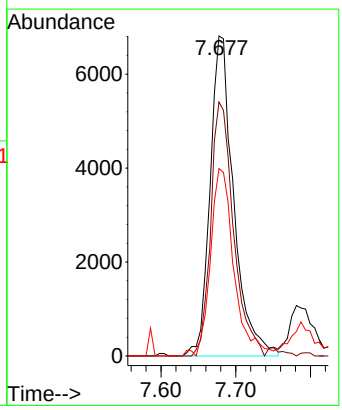


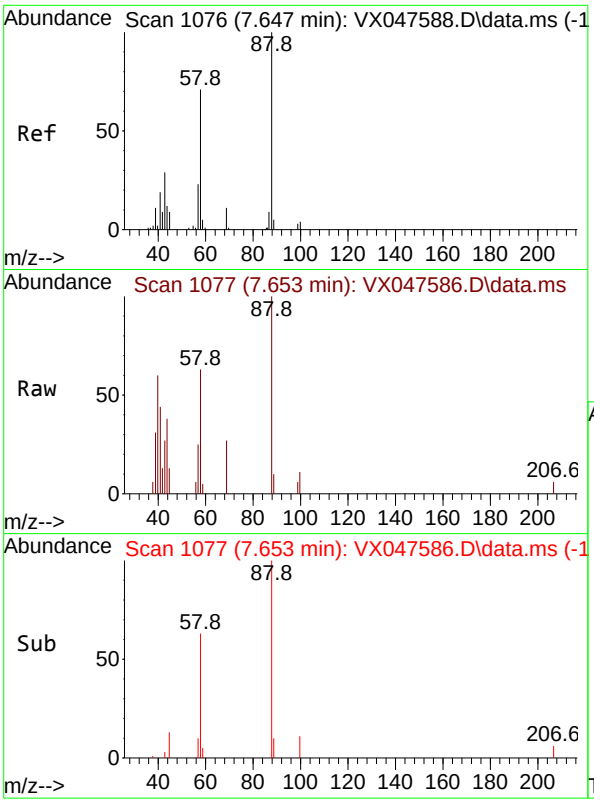


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6



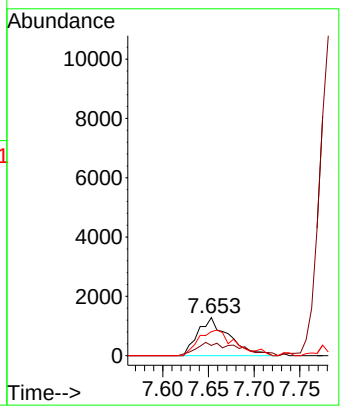


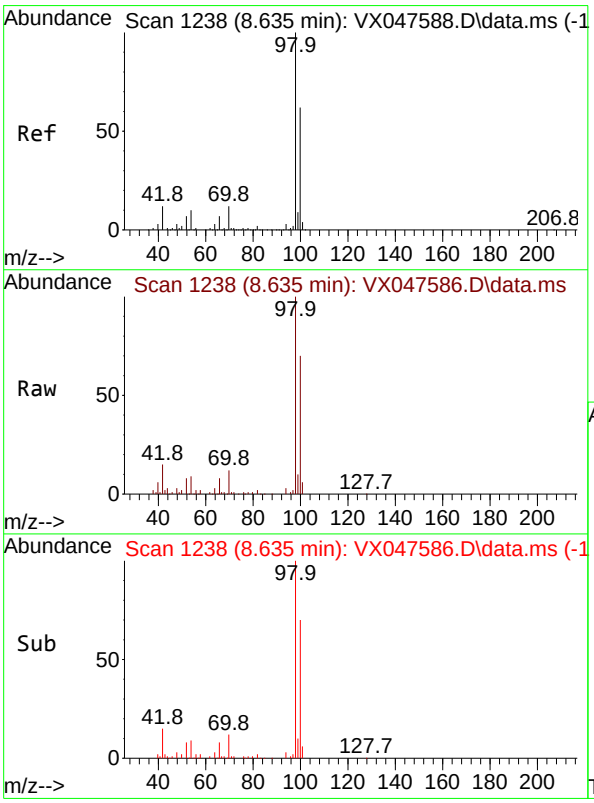
#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3017

Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3

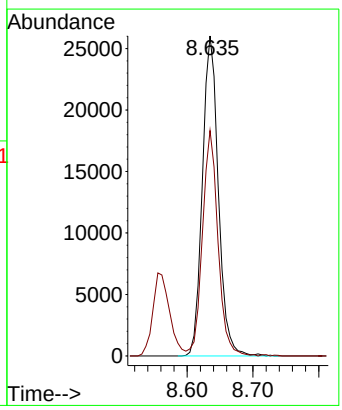


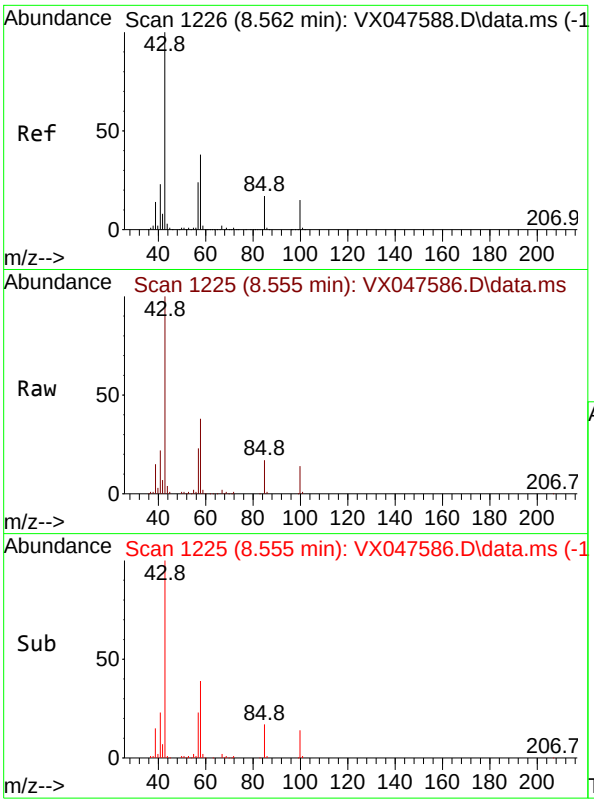


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4



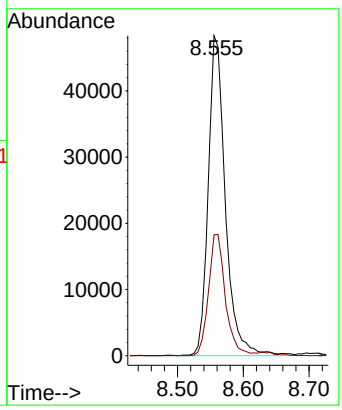


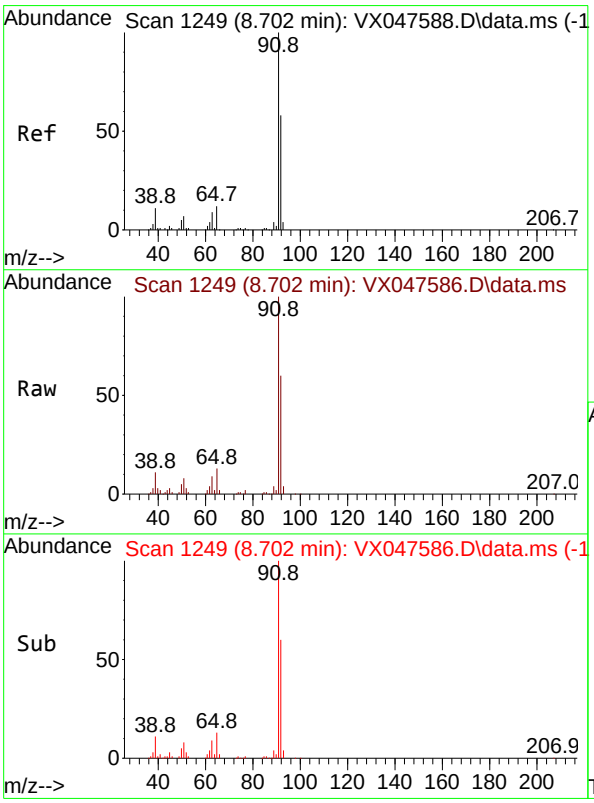
#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87492

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

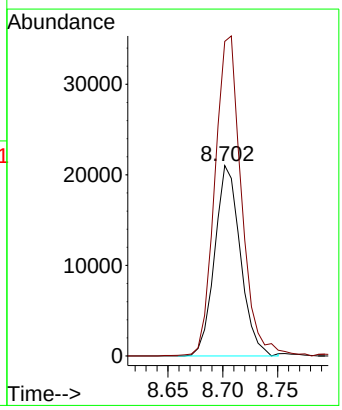


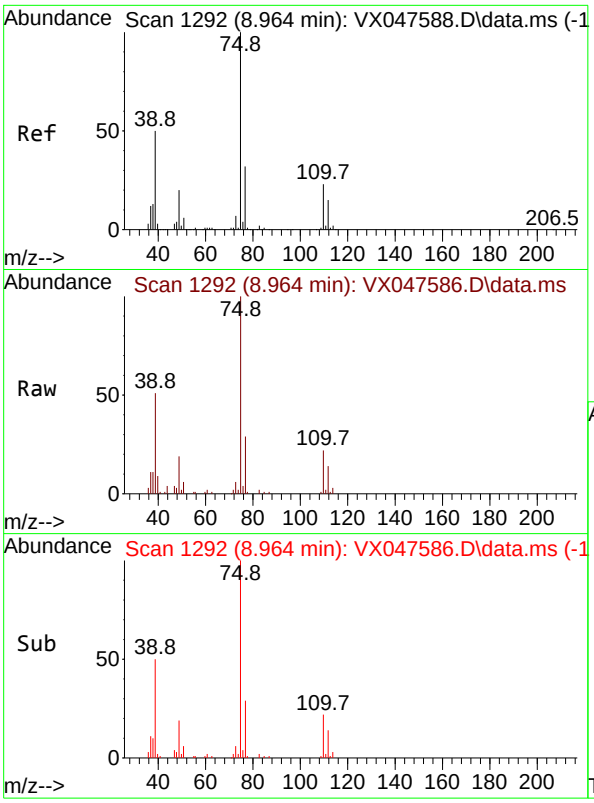


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7



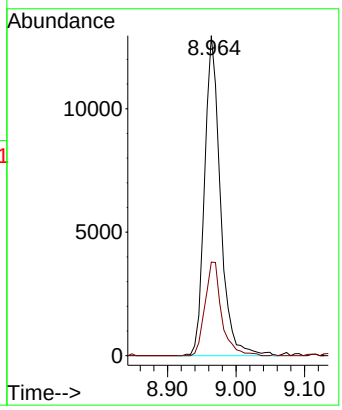


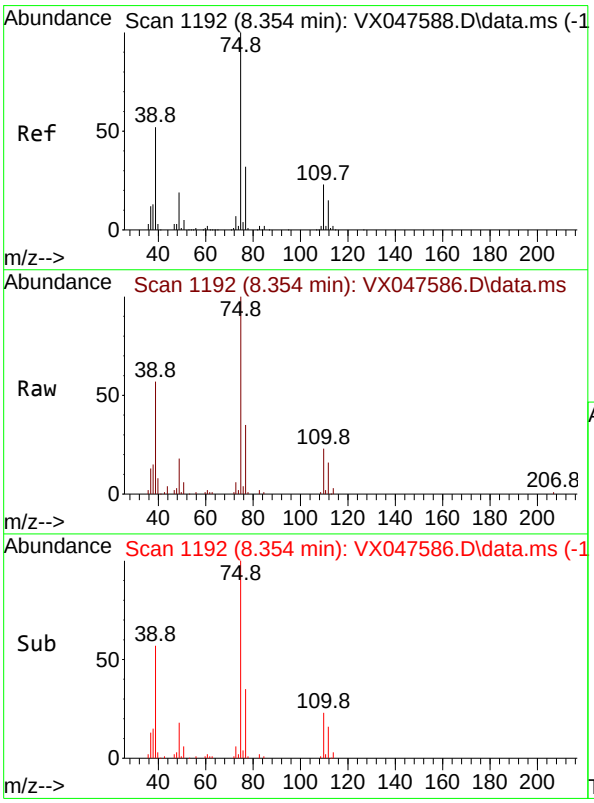
#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 20863

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

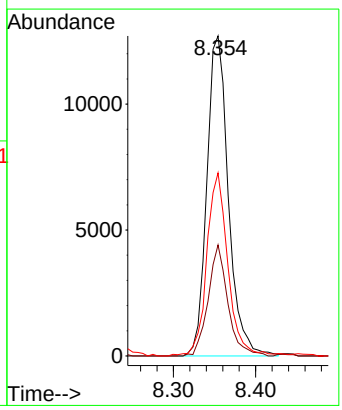


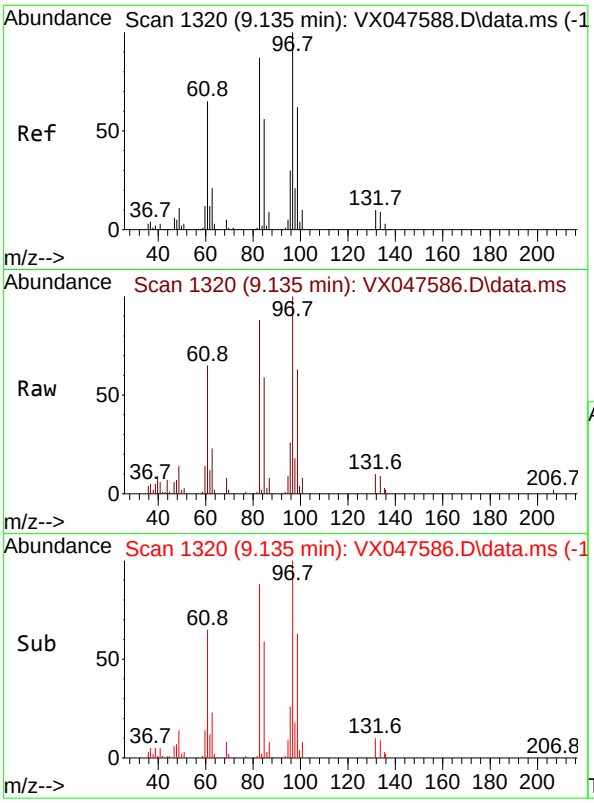


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2



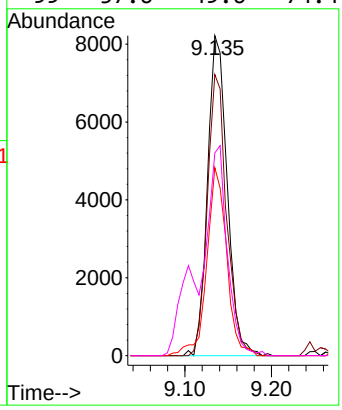


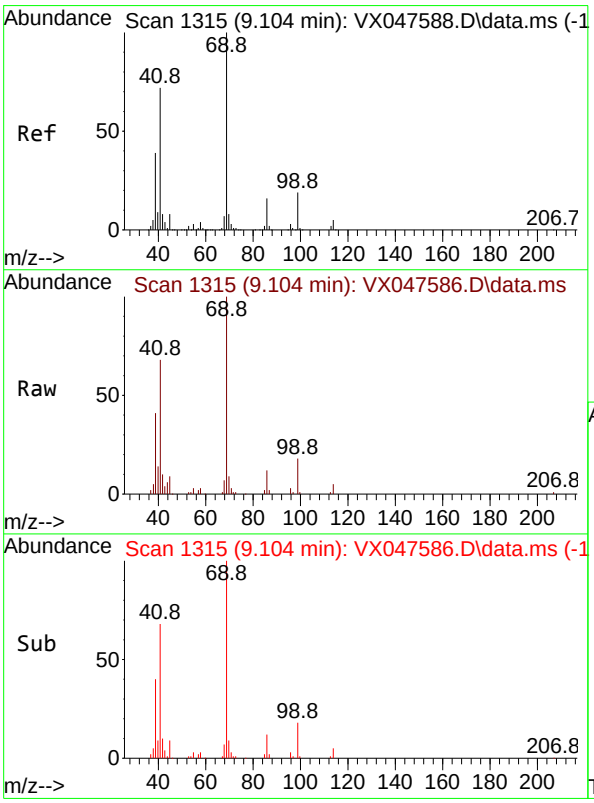
#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 12968

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4

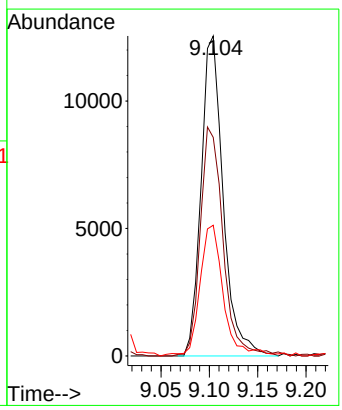


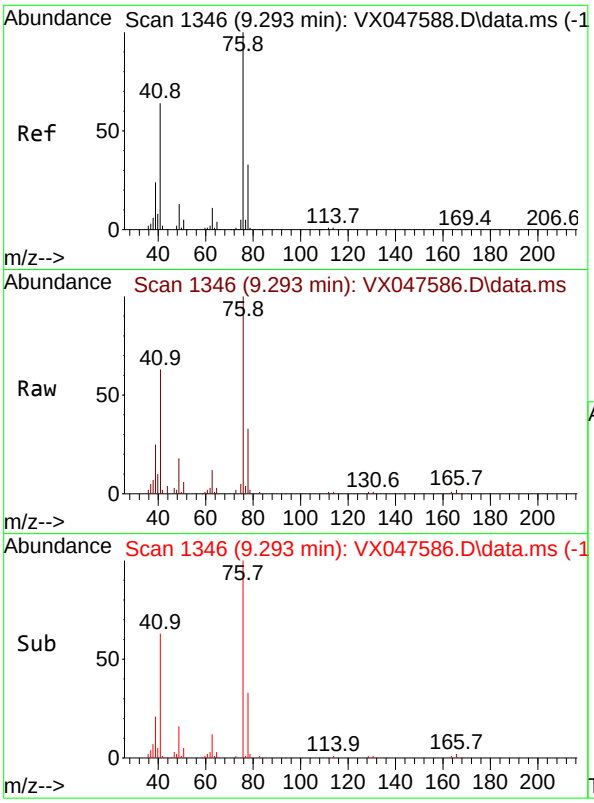


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3



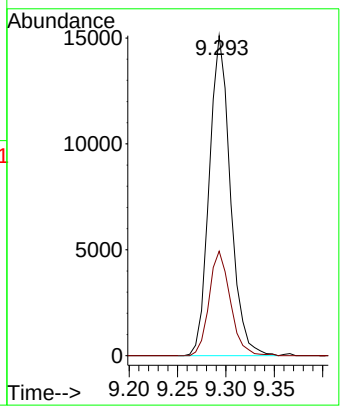


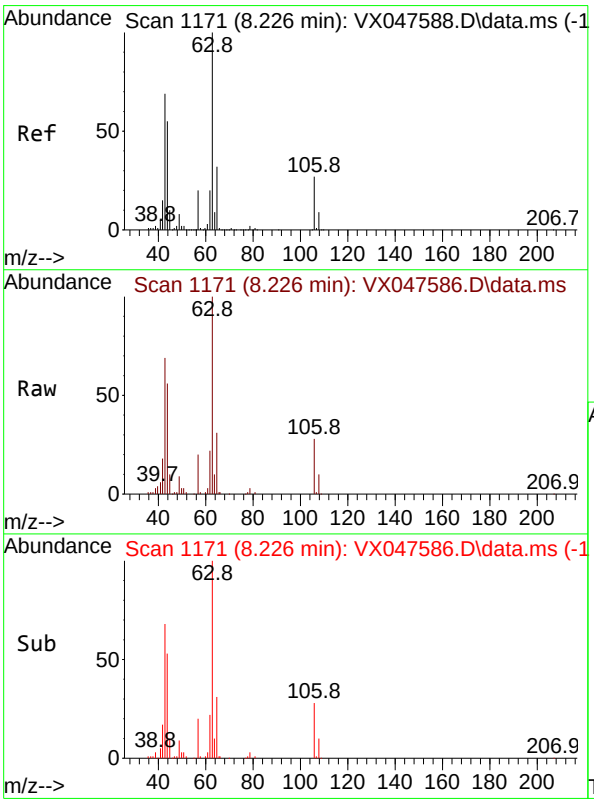
#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 22989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

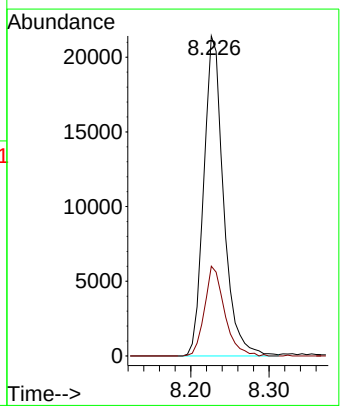


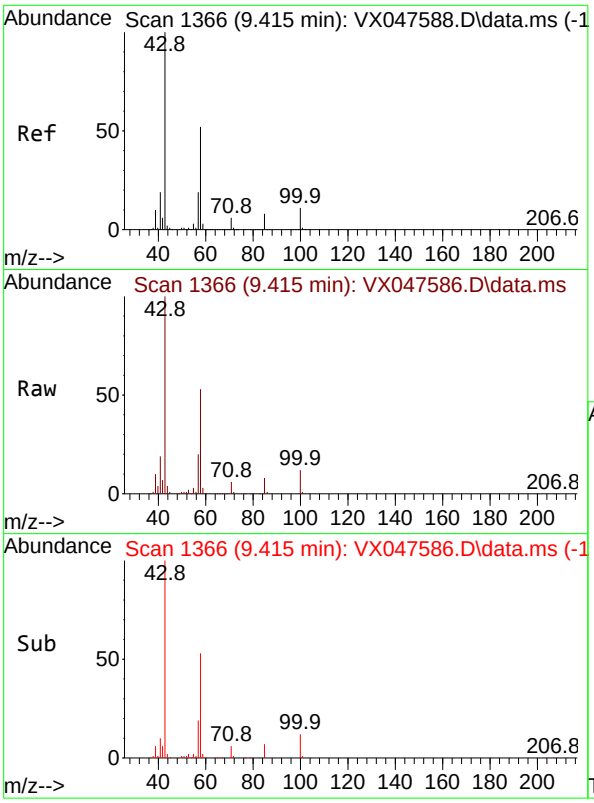


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9



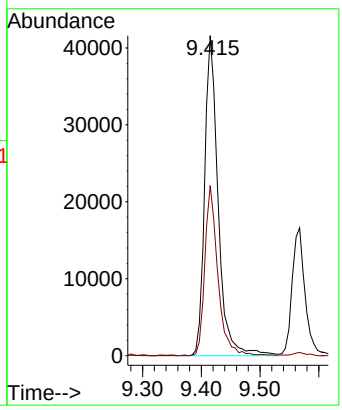


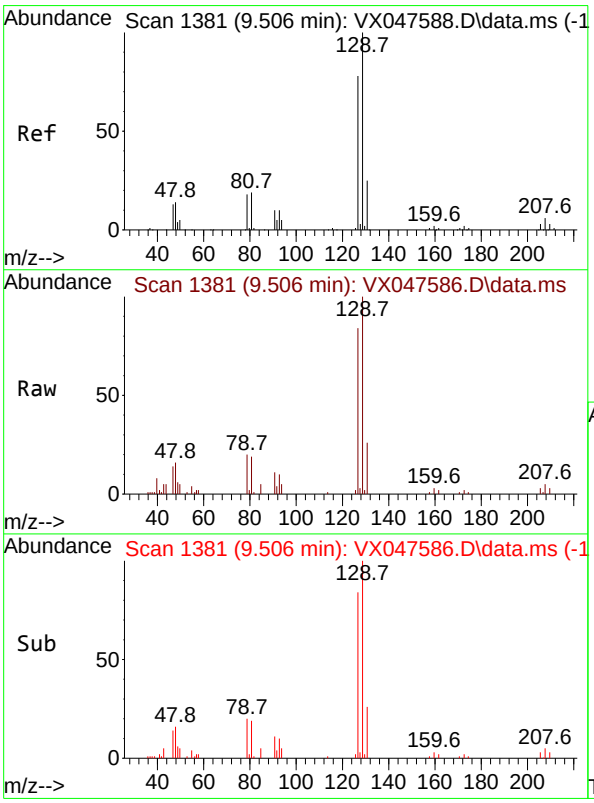
#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 66356

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

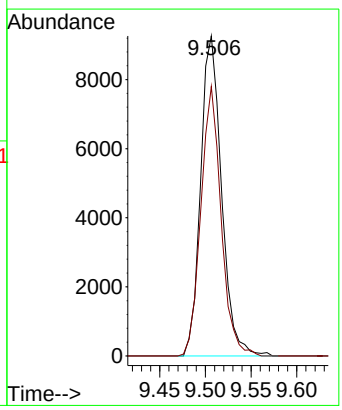


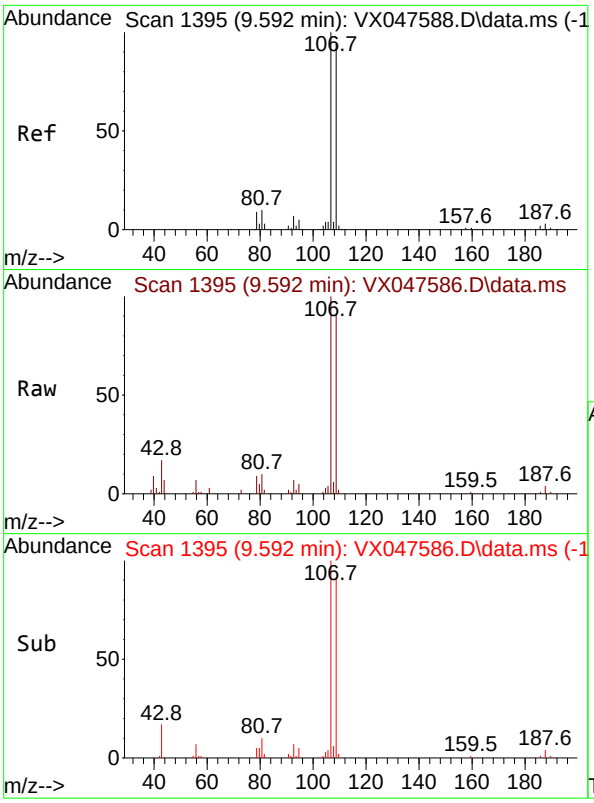


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2



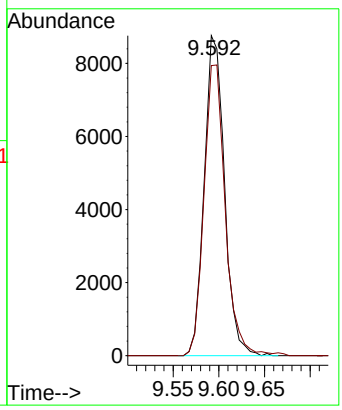


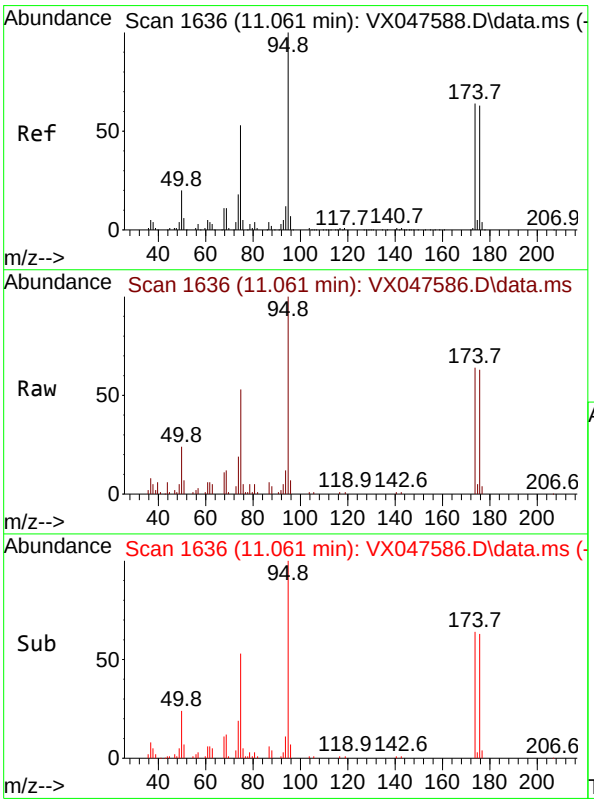
#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 13461

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

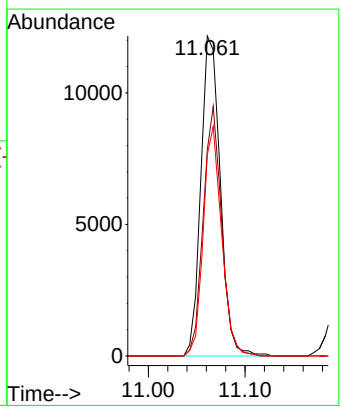


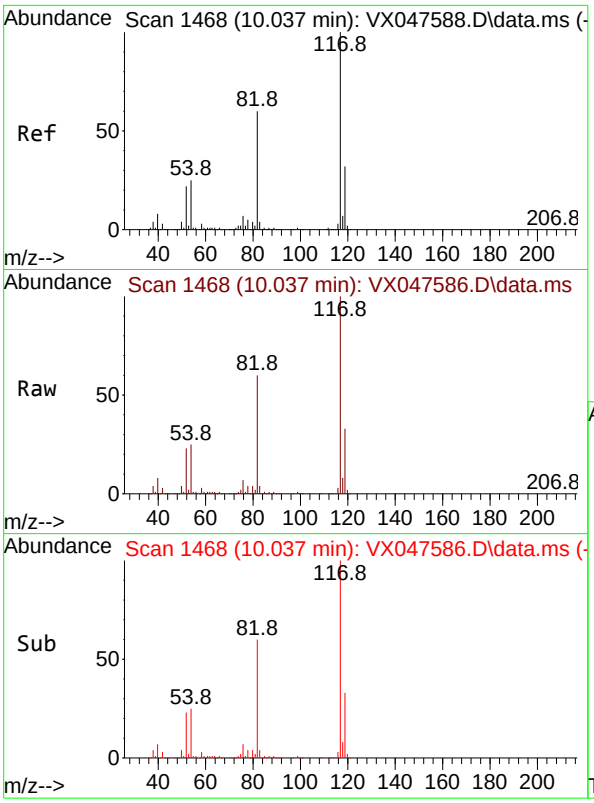


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4



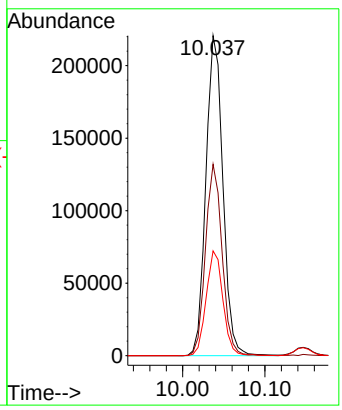


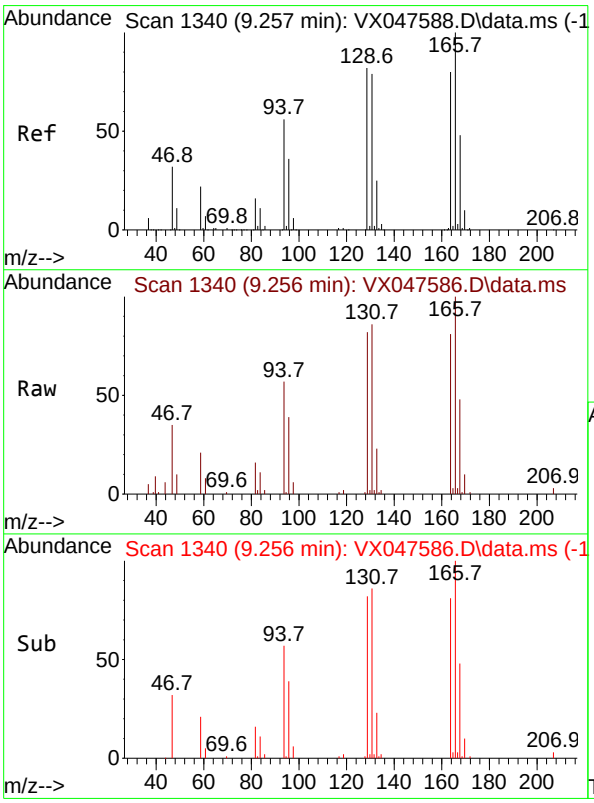
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 317288

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8

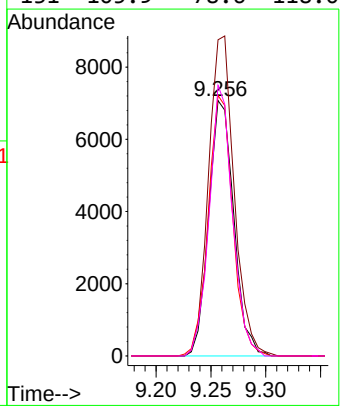


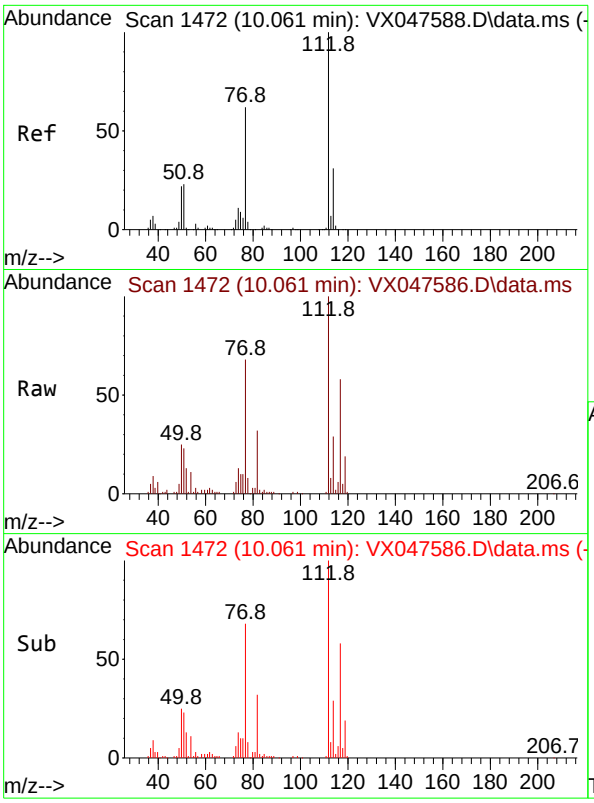


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0



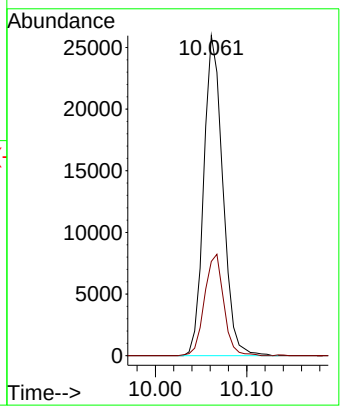


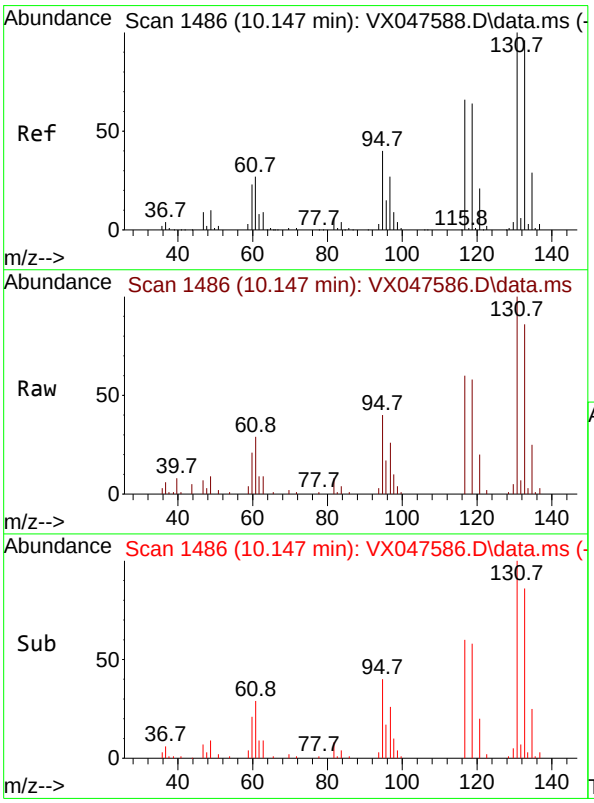
#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 37507

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7

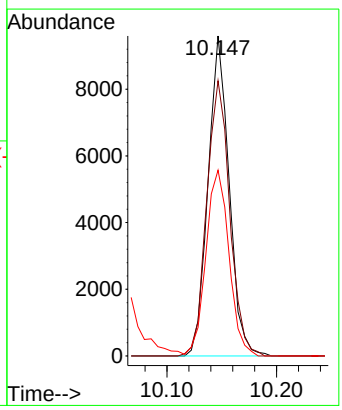


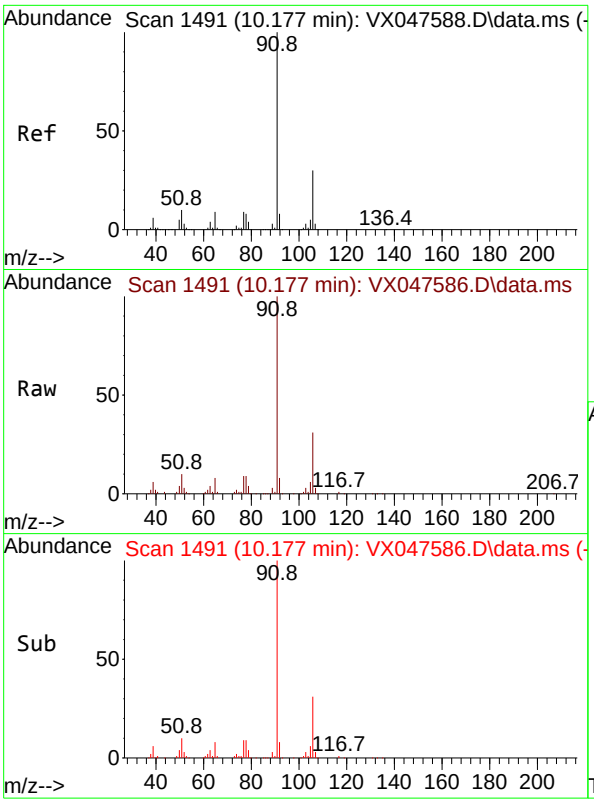


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0



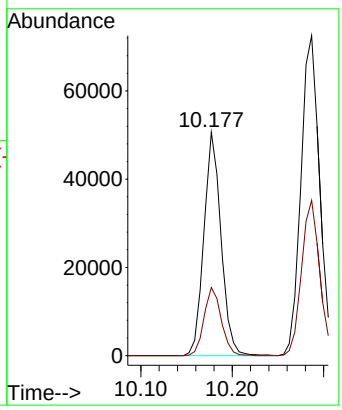


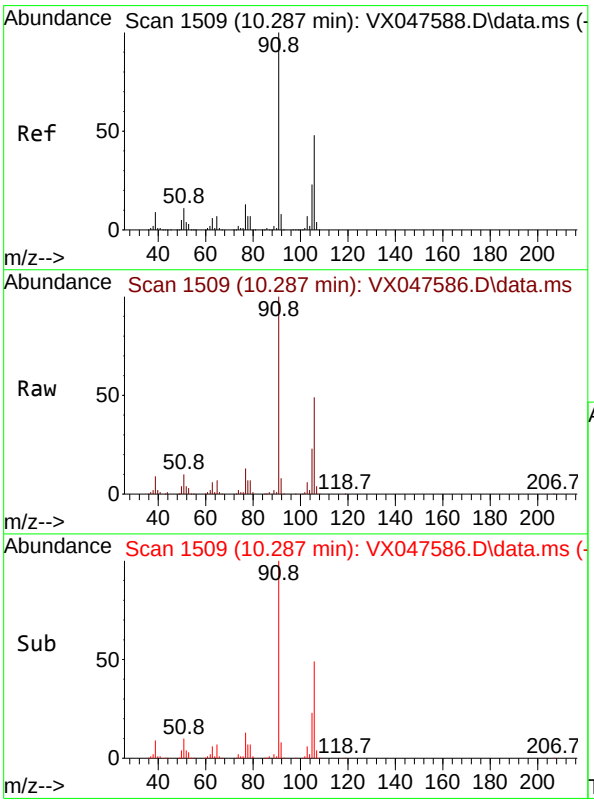
#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 65908

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

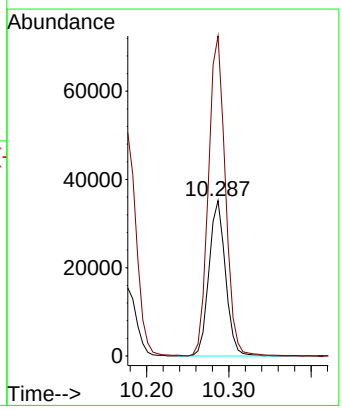


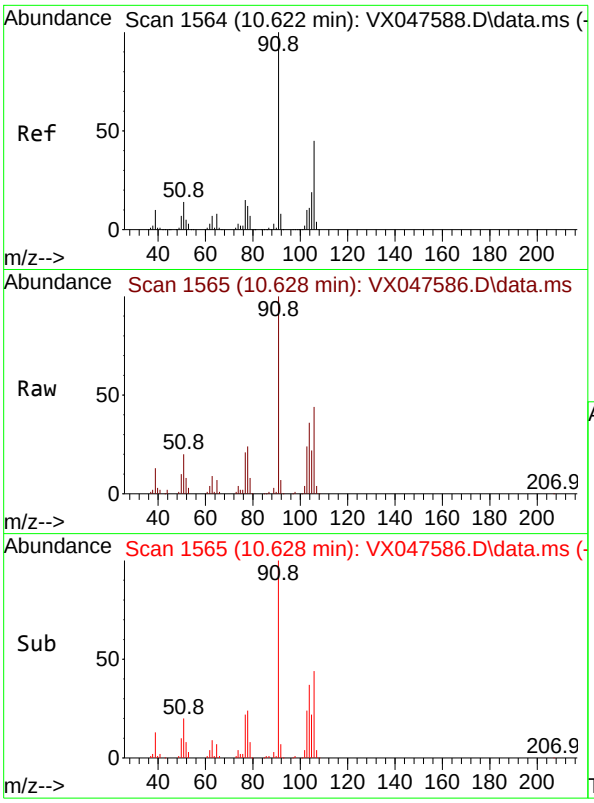


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8



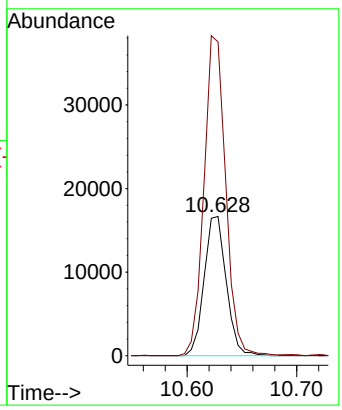


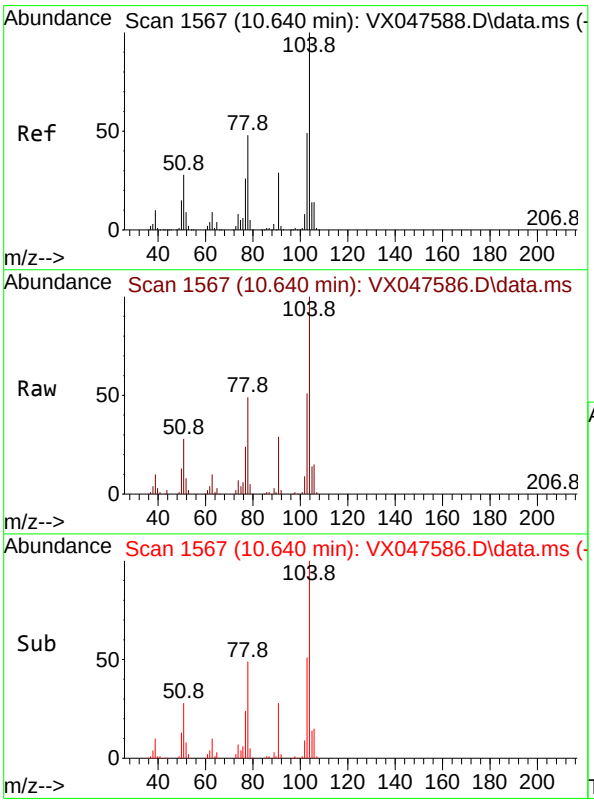
#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 23300

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4

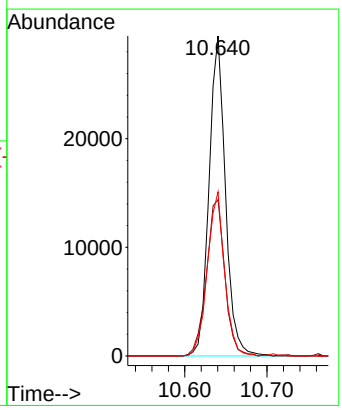


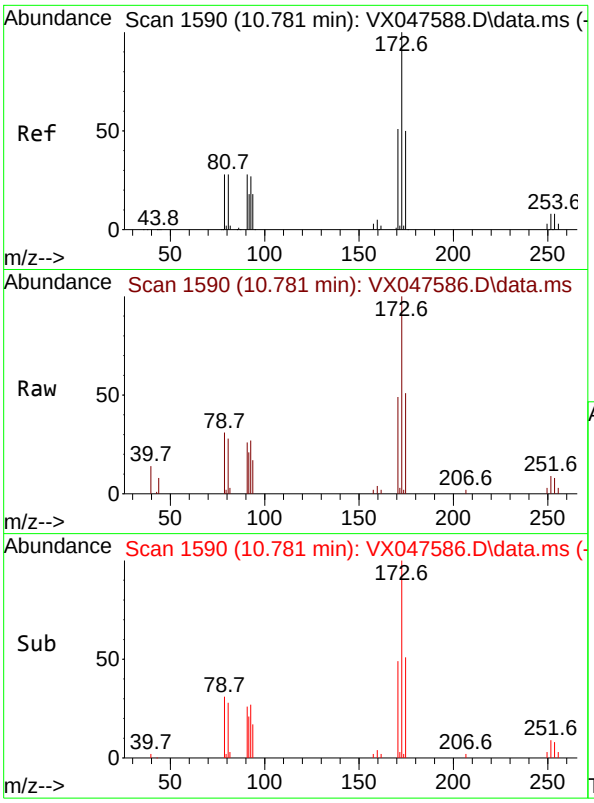


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7



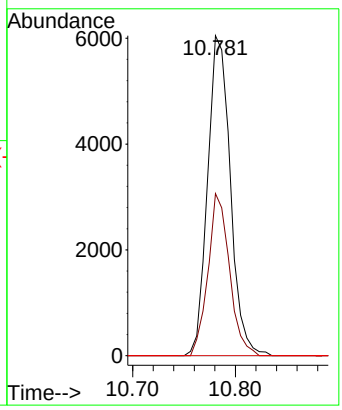


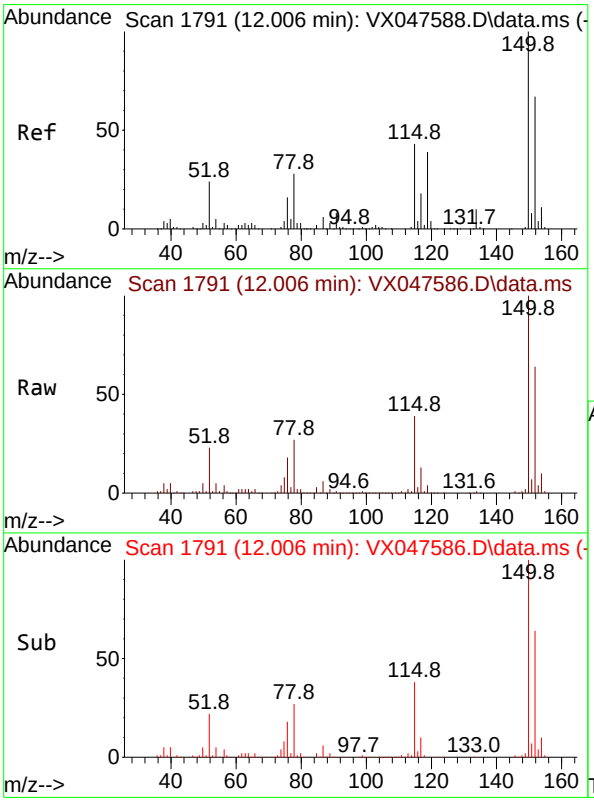
#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9298

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1#

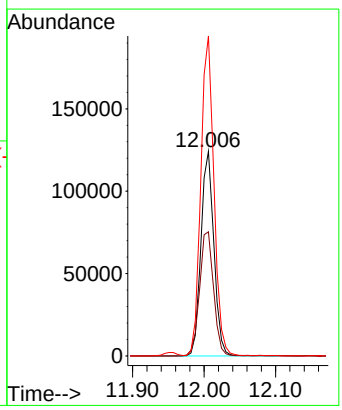


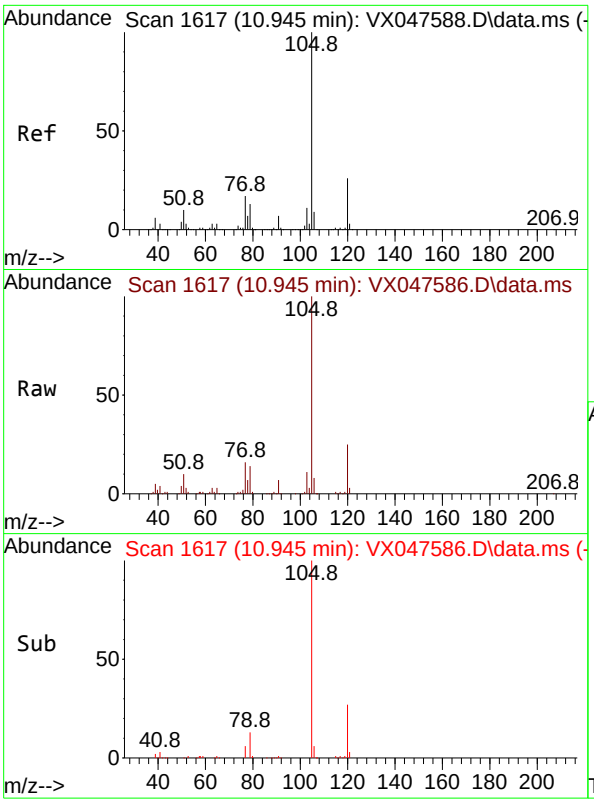


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0



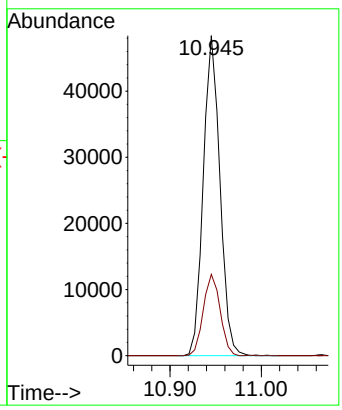


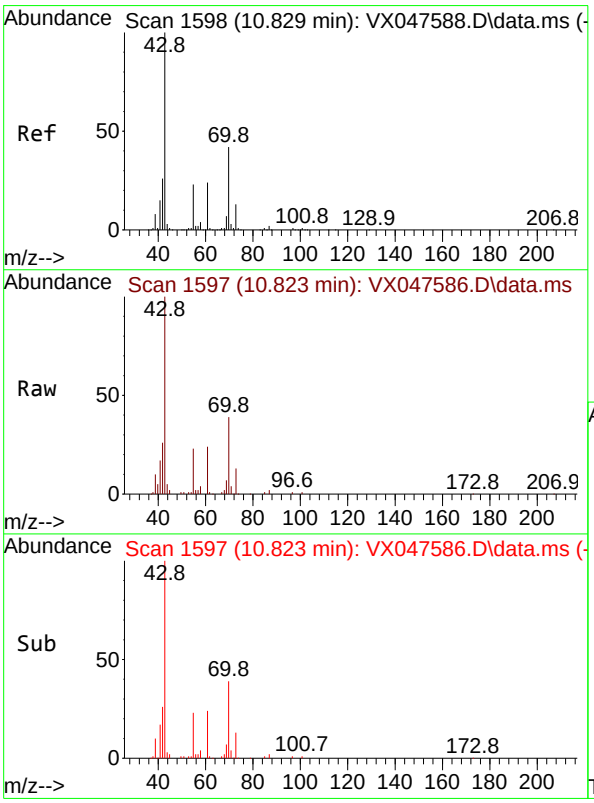
#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 61029

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

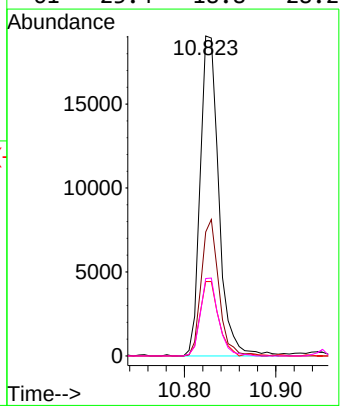


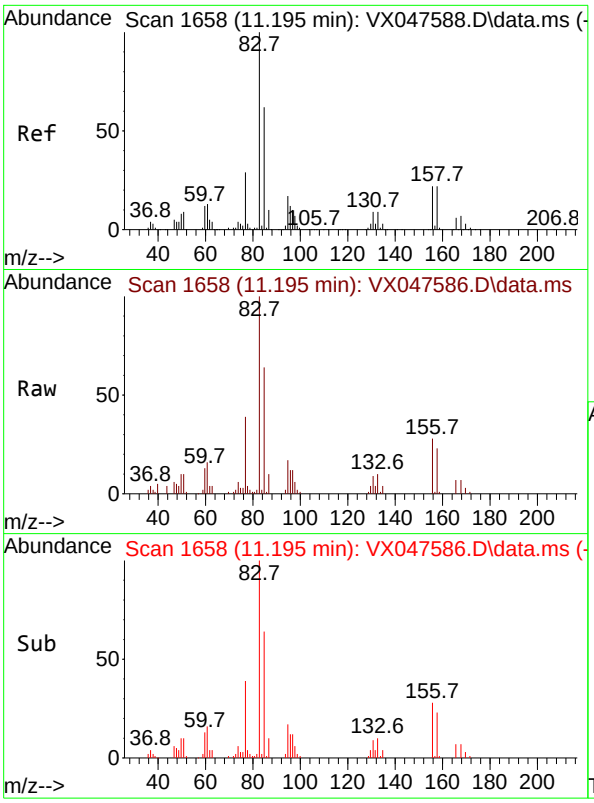


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2



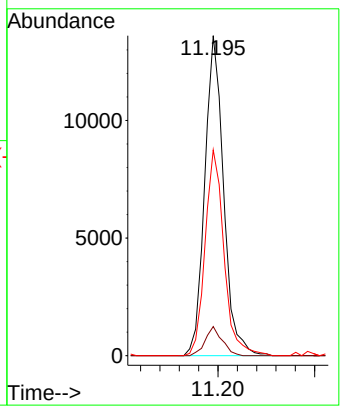


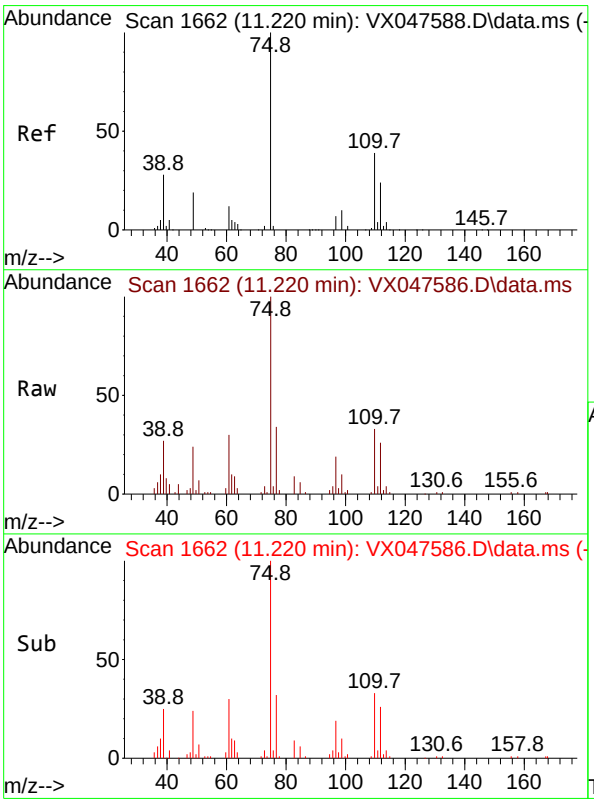
#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18462

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0

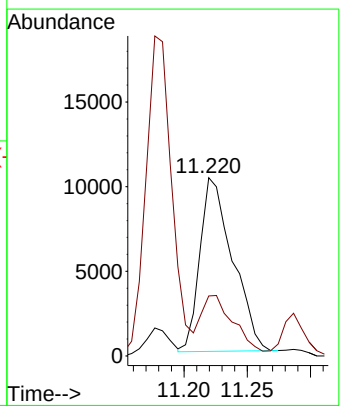


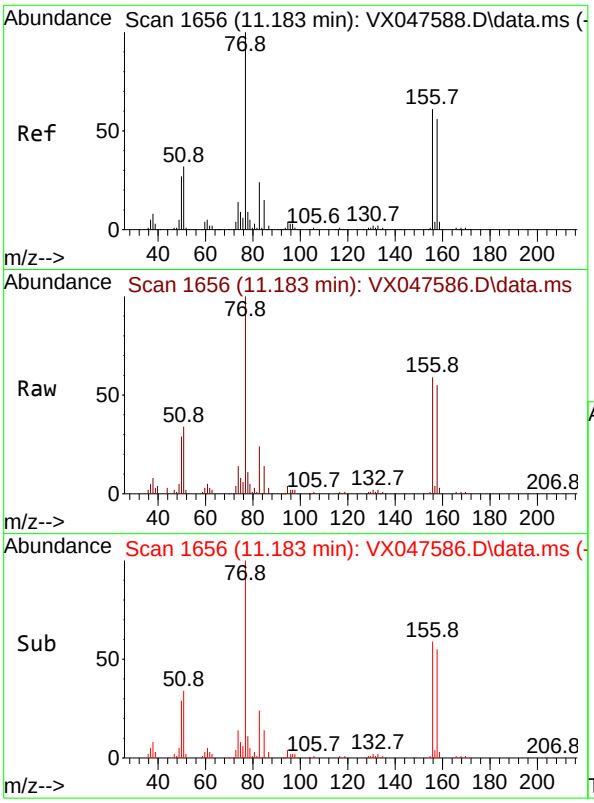


#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494

Ion	Ratio	Lower	Upper
75	100		
77	35.0	18.8	56.4



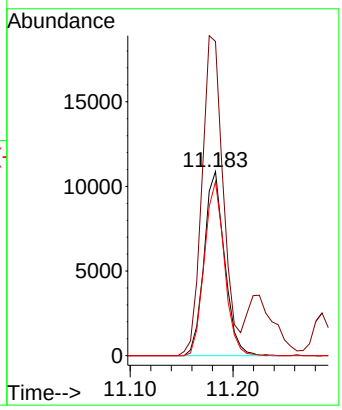


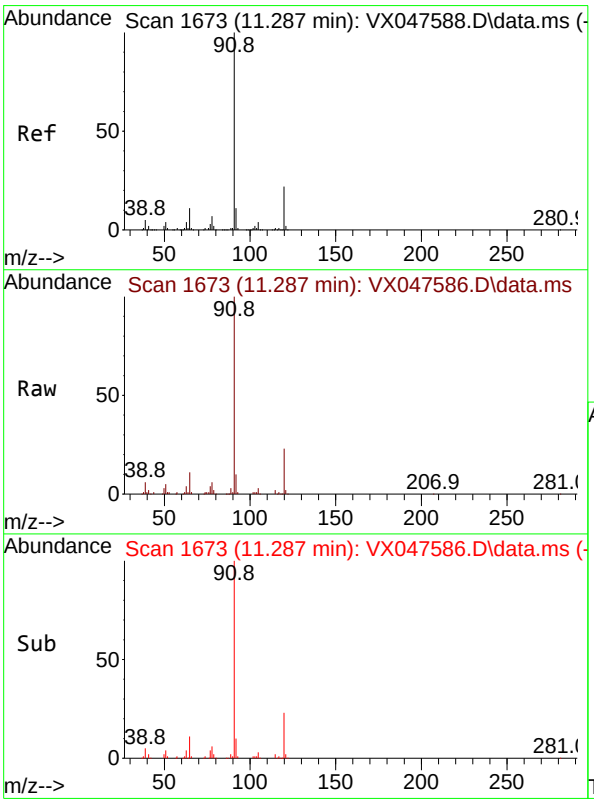
#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15066

Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

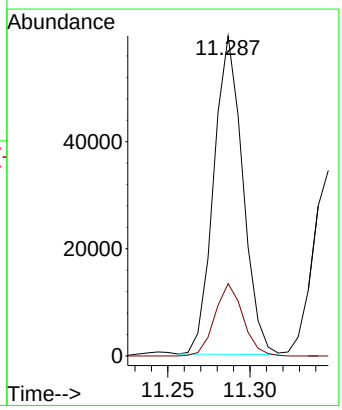


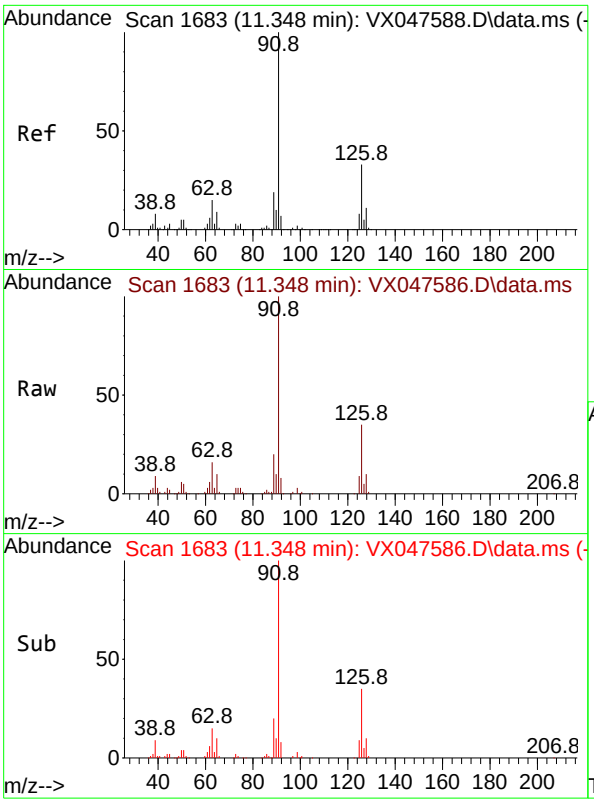


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



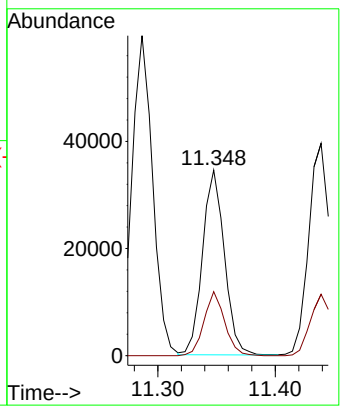


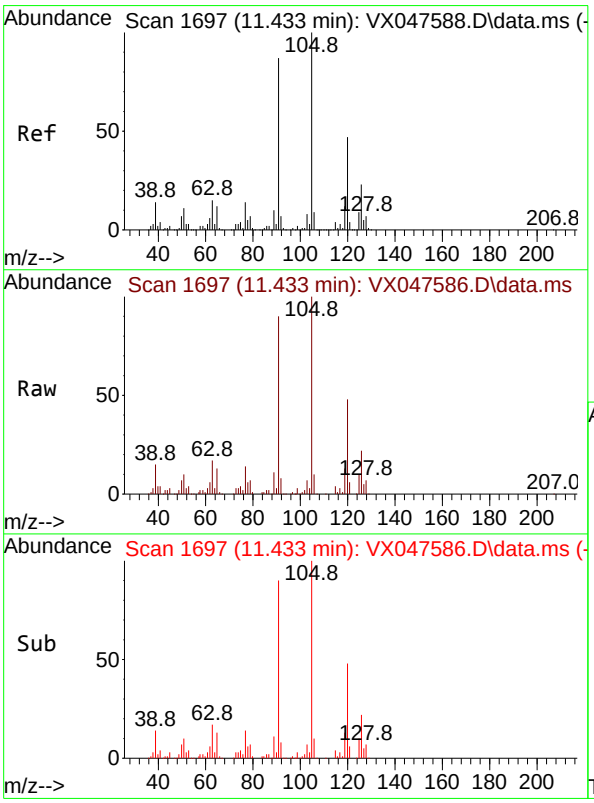
#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 44663

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

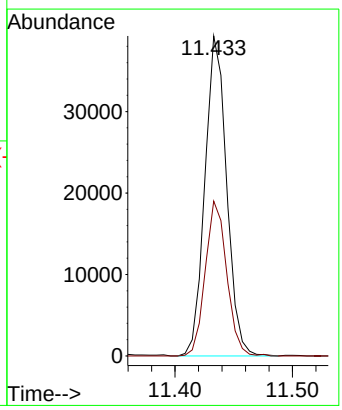


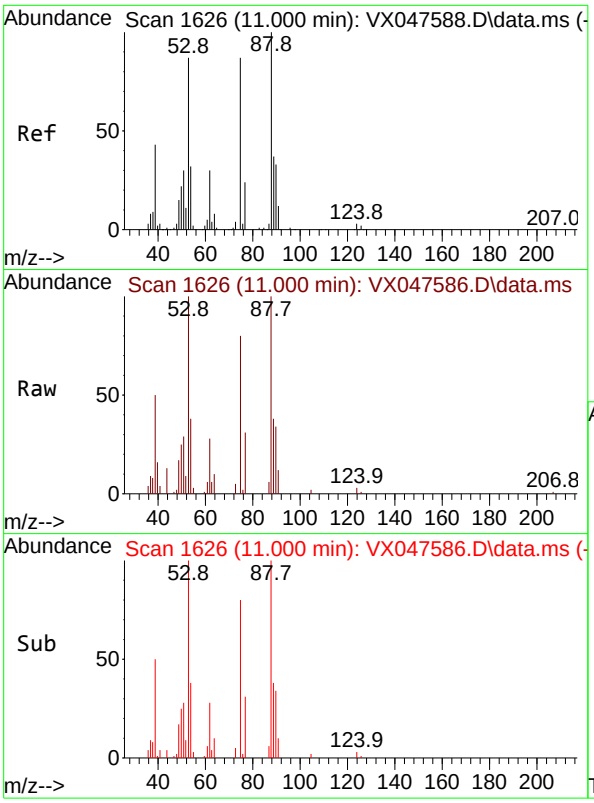


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8



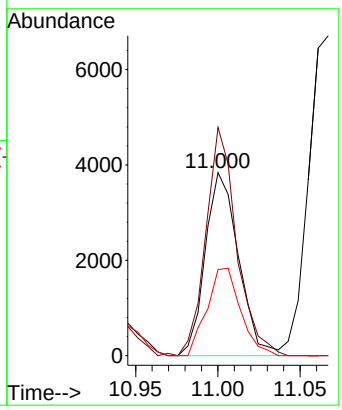


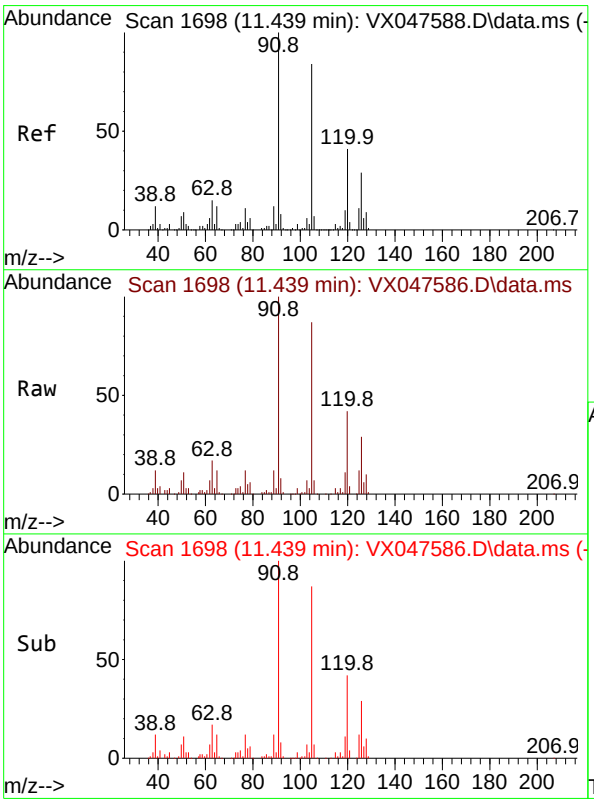
#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5413

Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

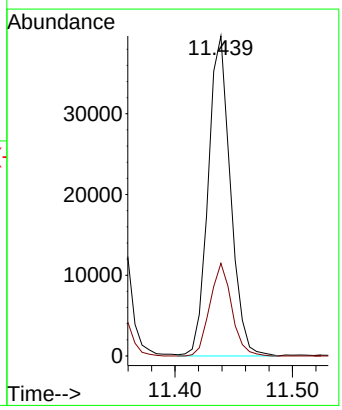


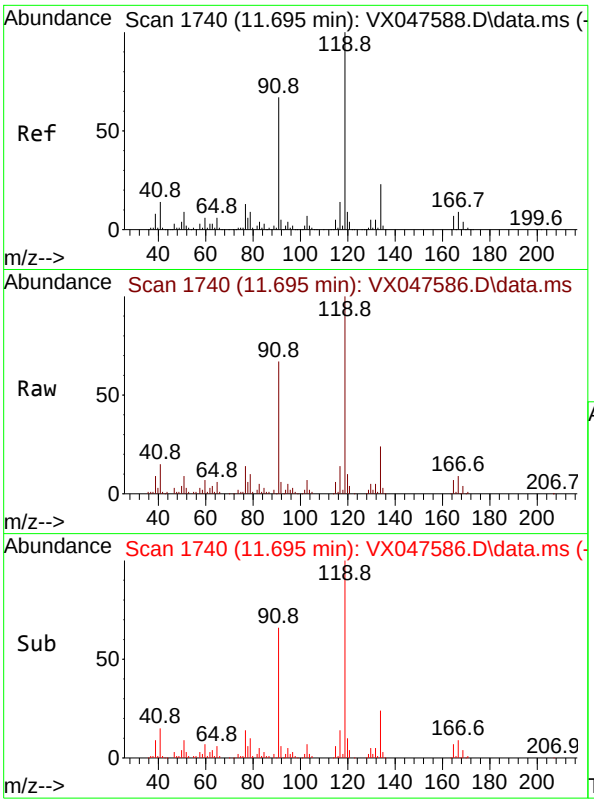


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



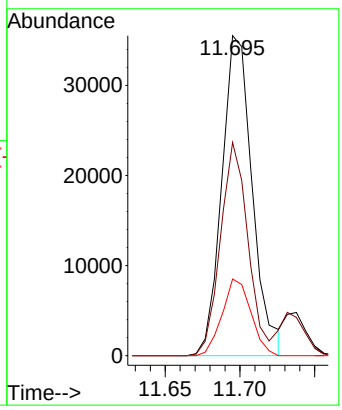


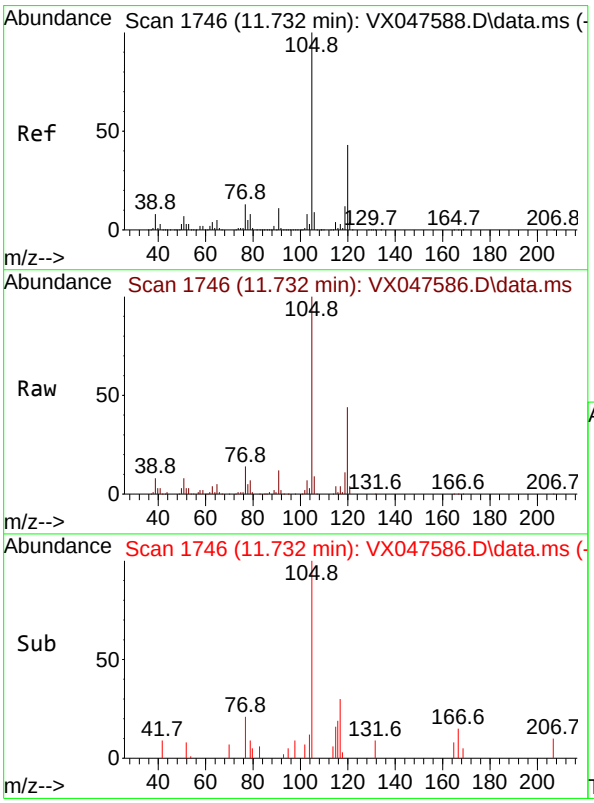
#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 50350

Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0

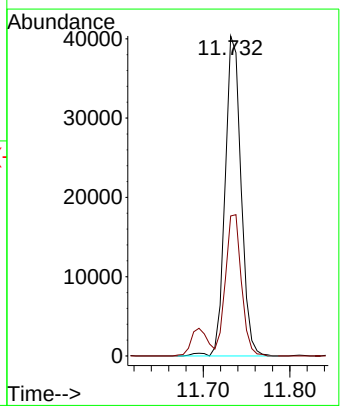


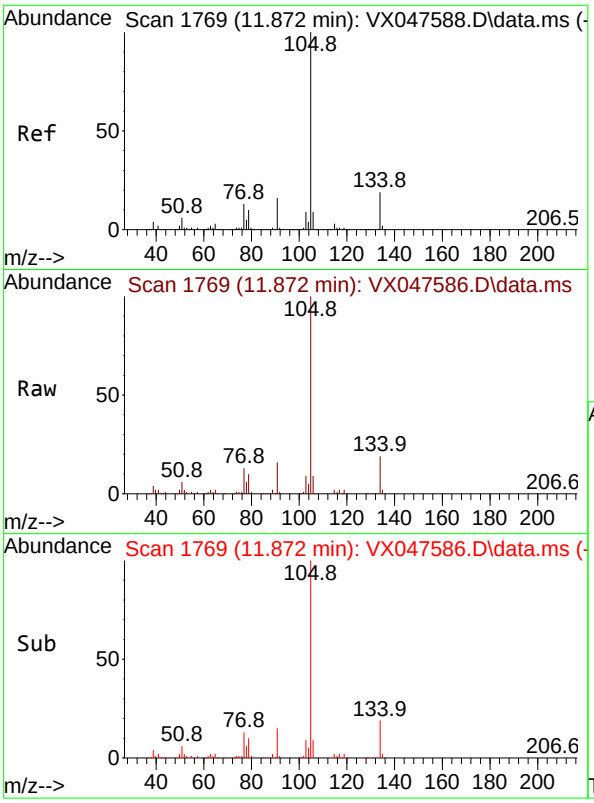


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



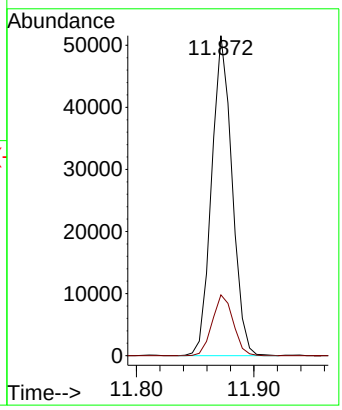


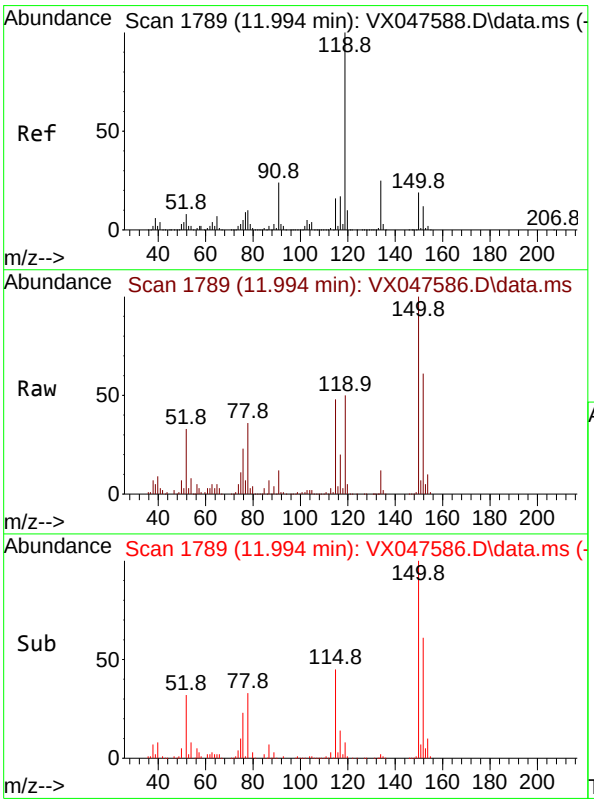
#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62507

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

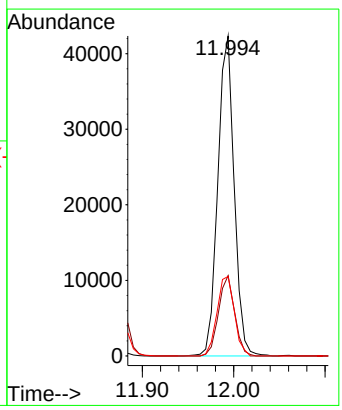


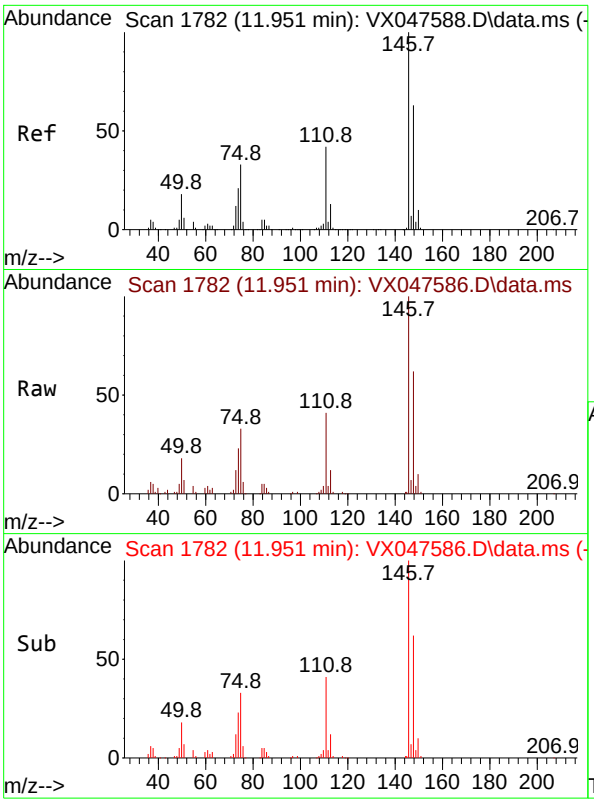


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6



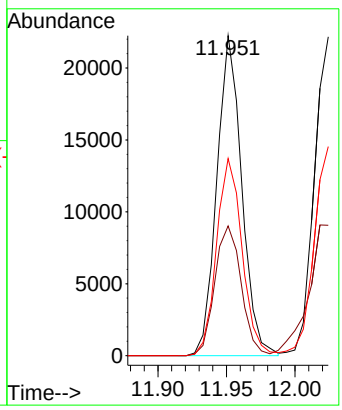


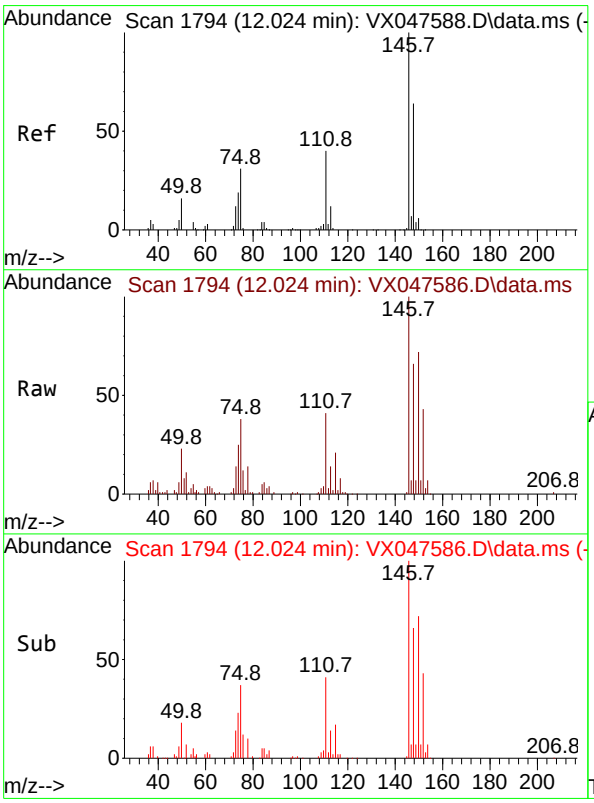
#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 28116

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0

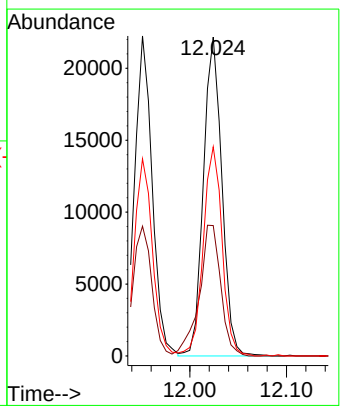


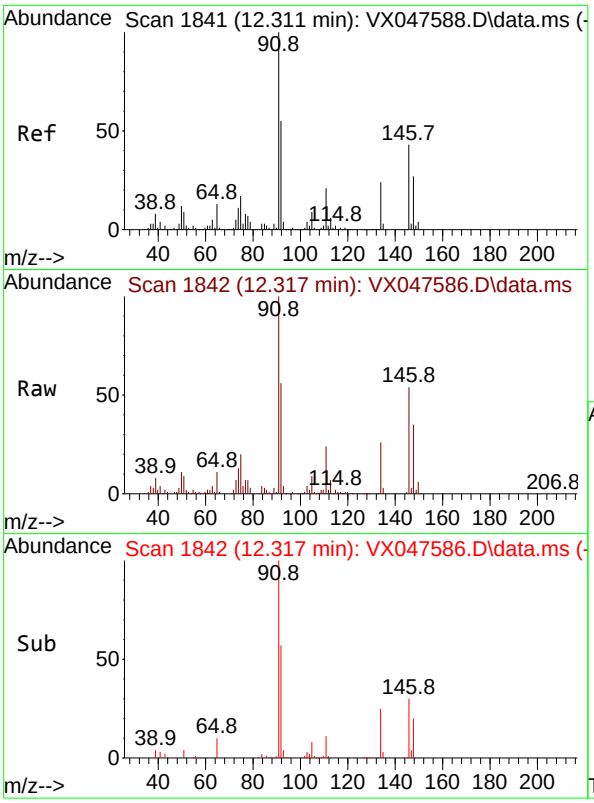


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1



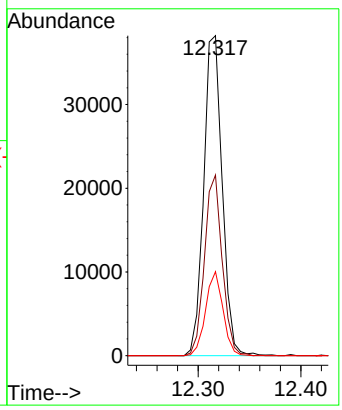


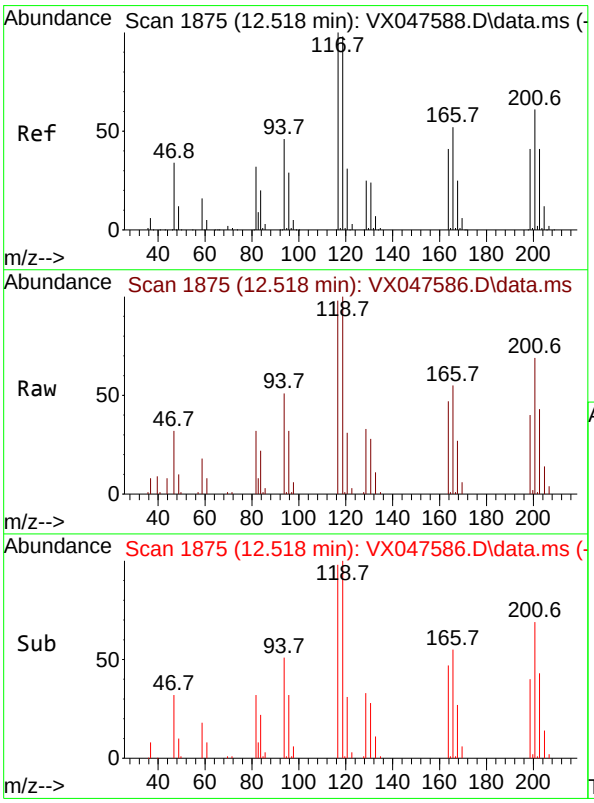
#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47953

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

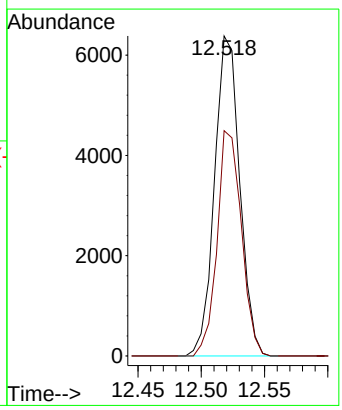


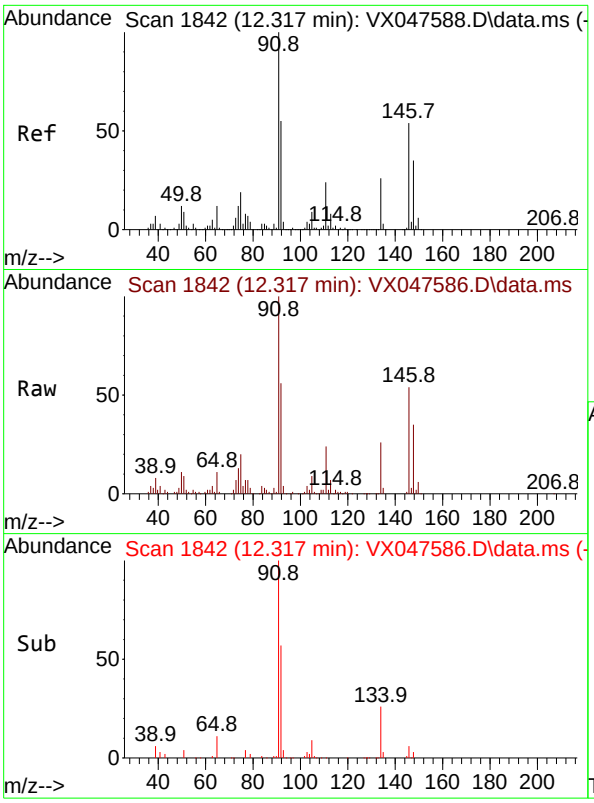


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5



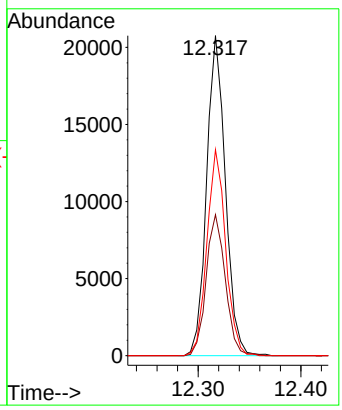


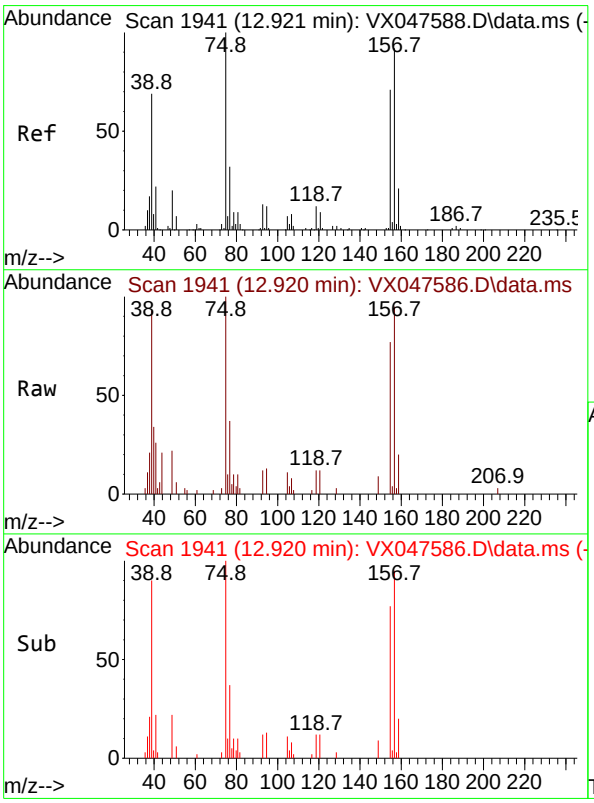
#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 26409

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4

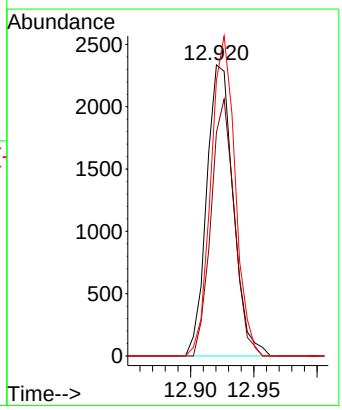


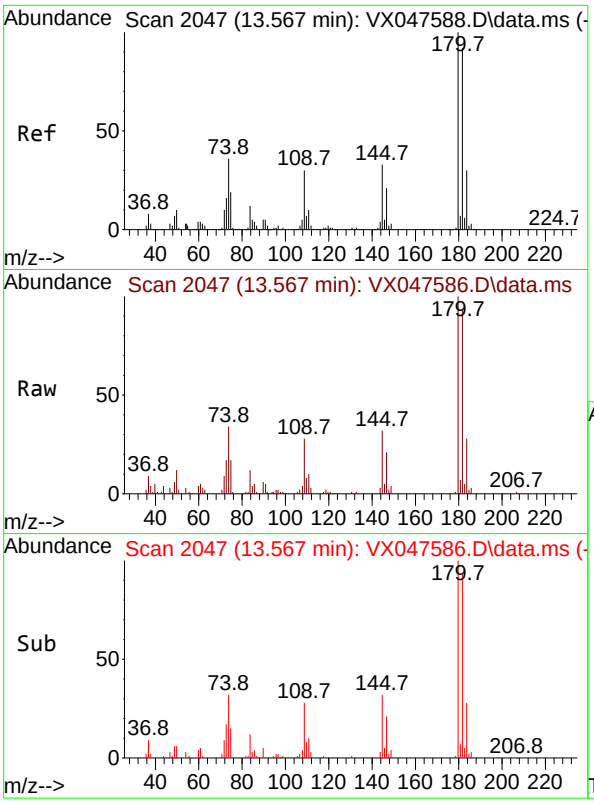


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4



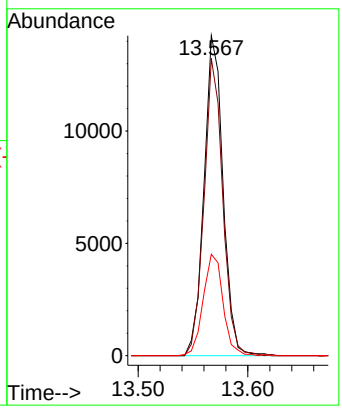


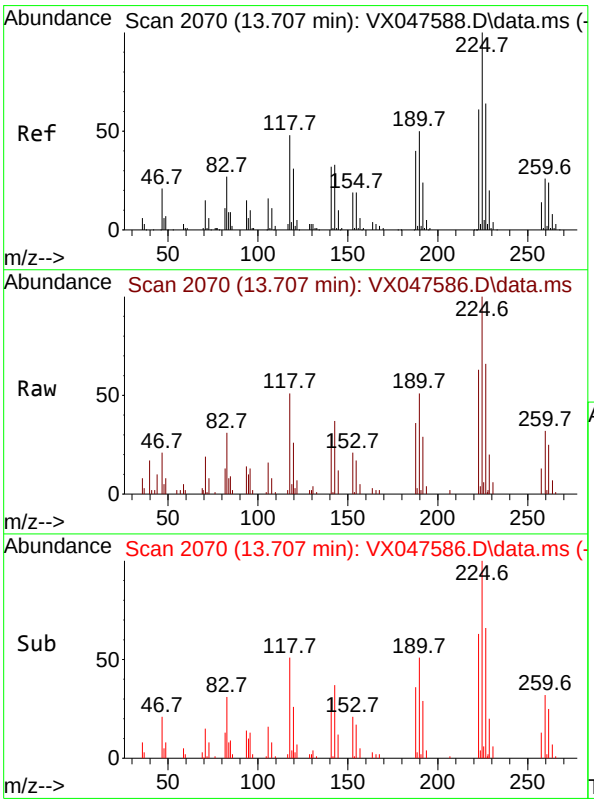
#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 17167

Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

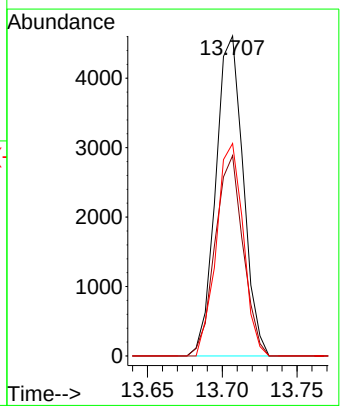


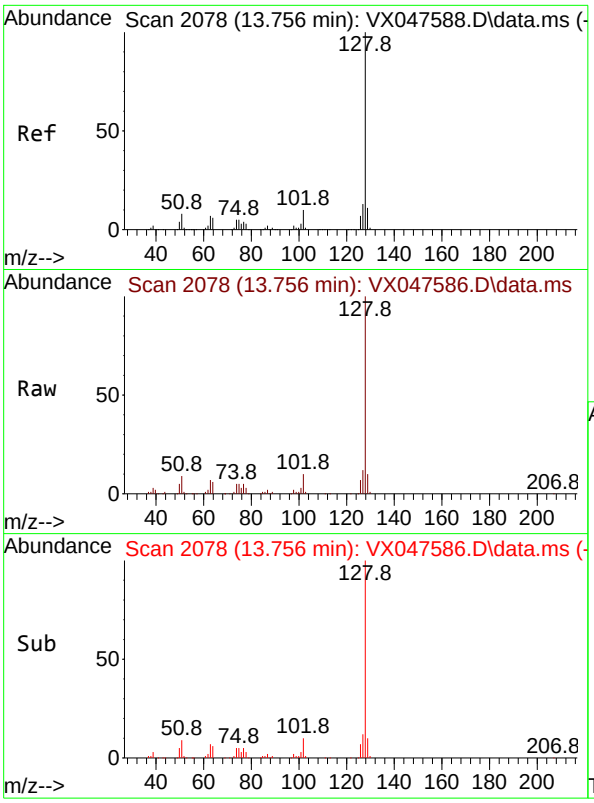


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0



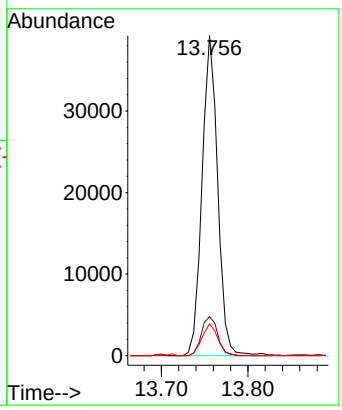


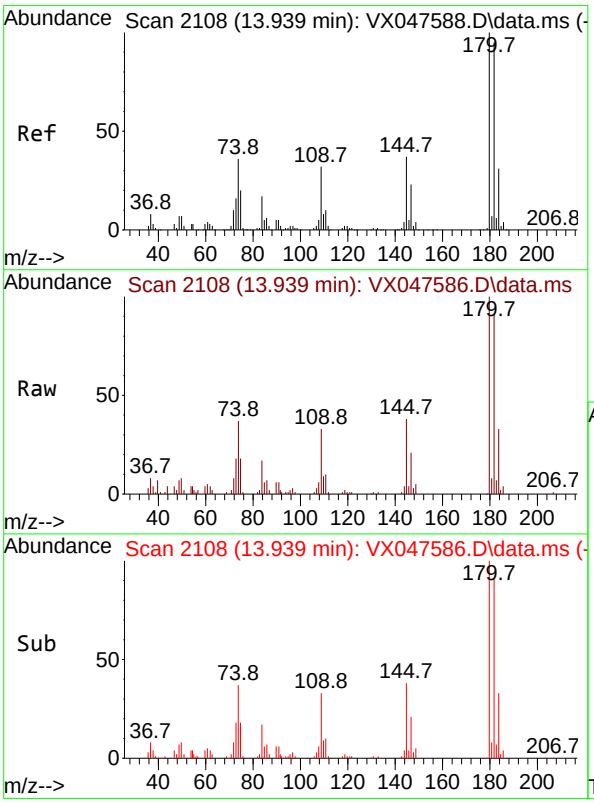
#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 49257

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2

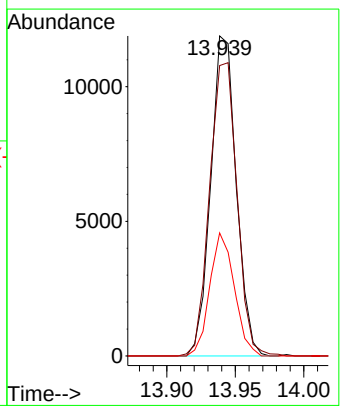




#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 32.520%#			
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 31.740%#			
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 32.520%#			
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 32.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	76996	26.858	ug/l		89
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

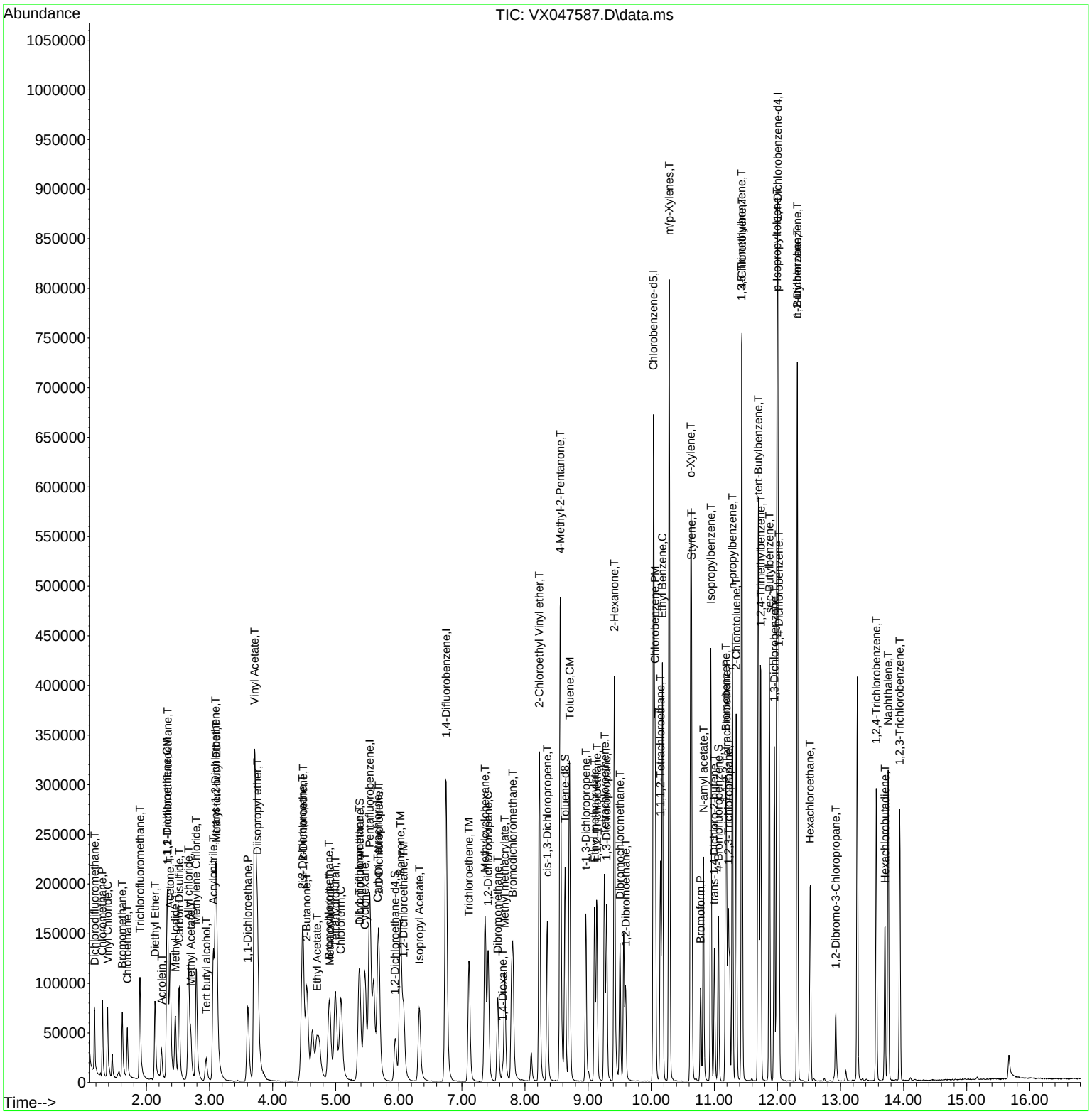
(#) = qualifier out of range (m) = manual integration (+) = signals summed

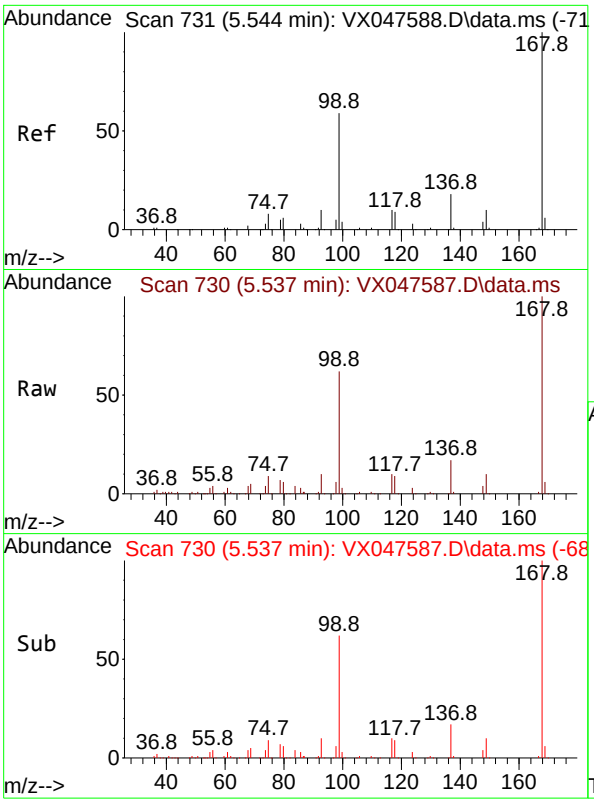
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



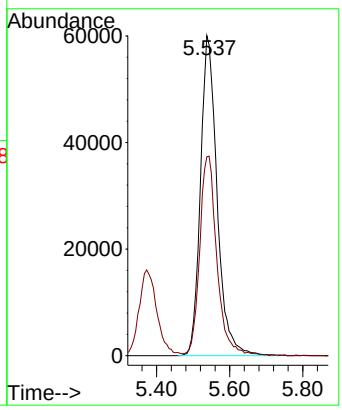


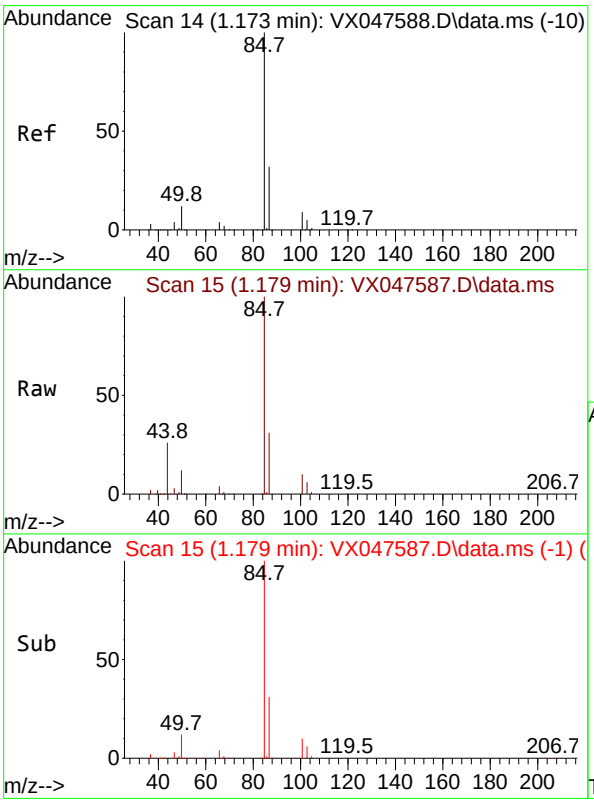
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 189559

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

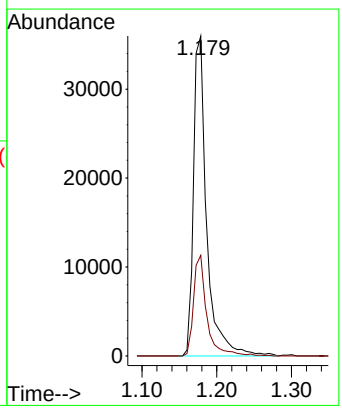


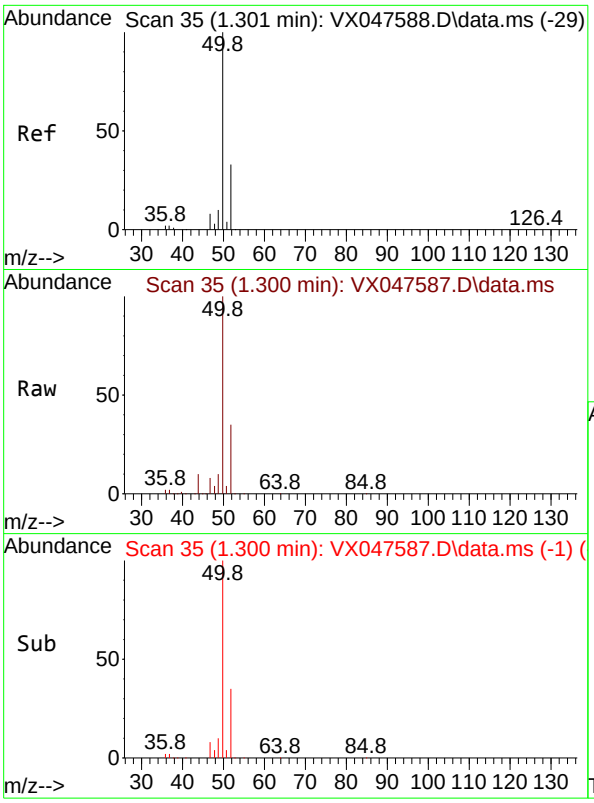


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



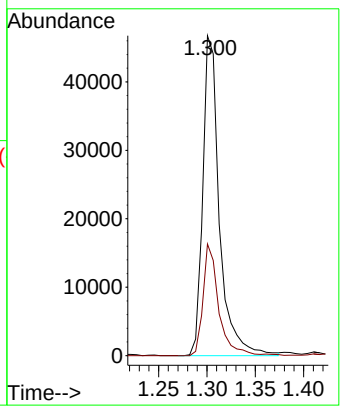


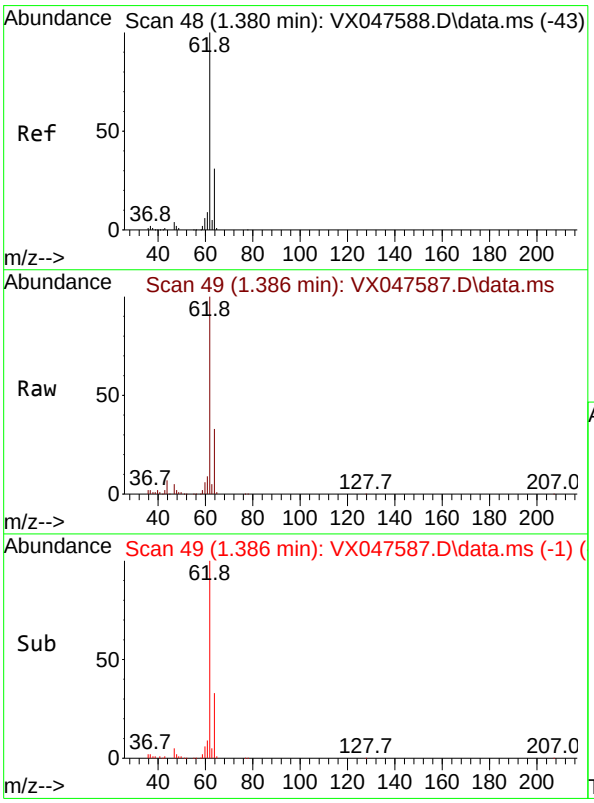
#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 56023

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1

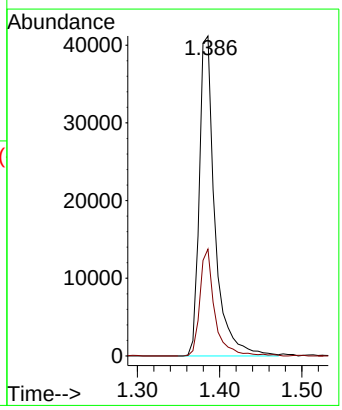


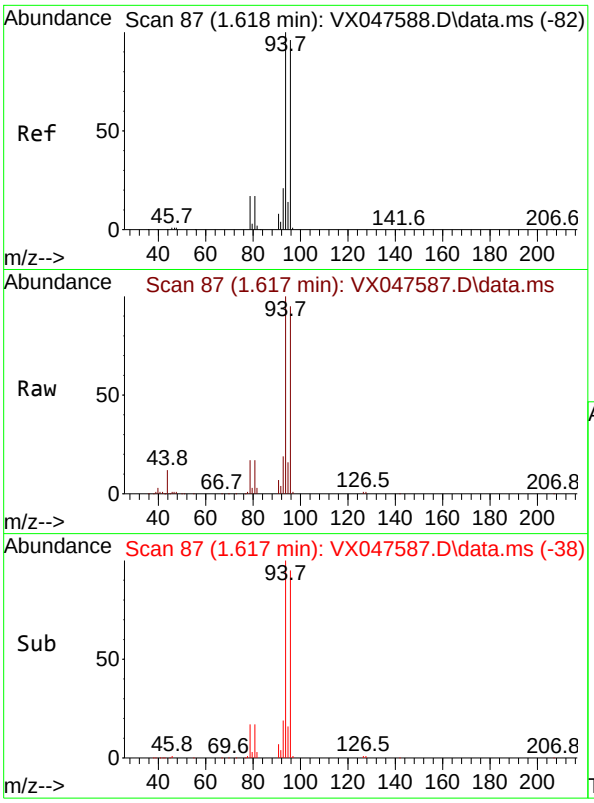


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3



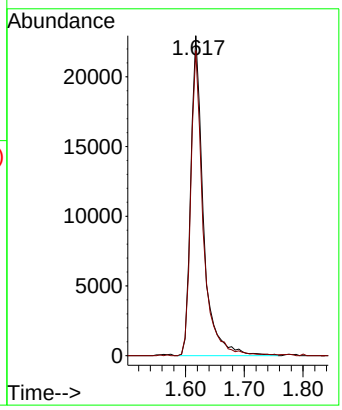


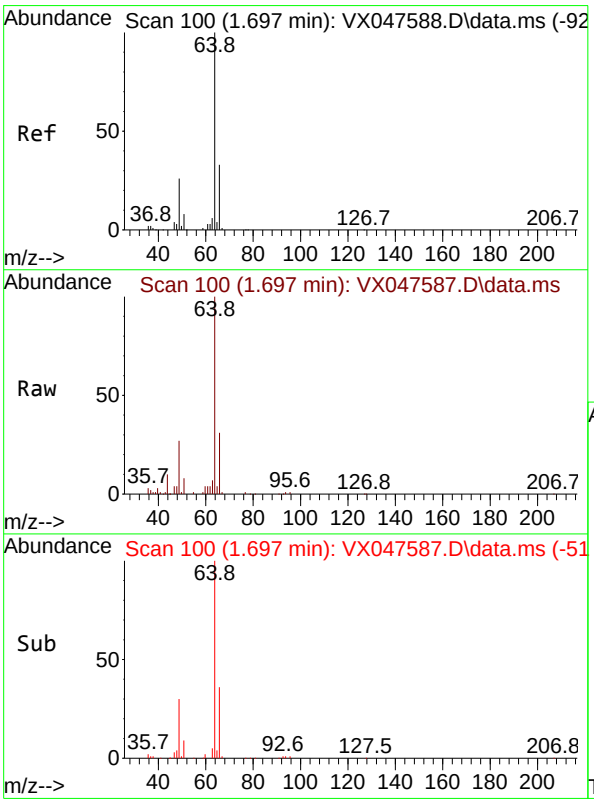
#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34193

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0

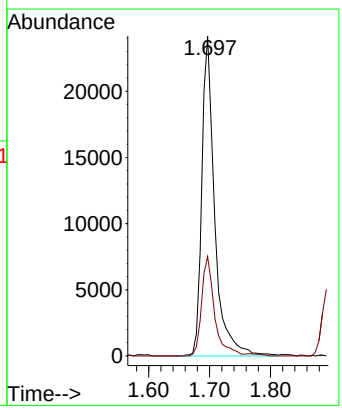


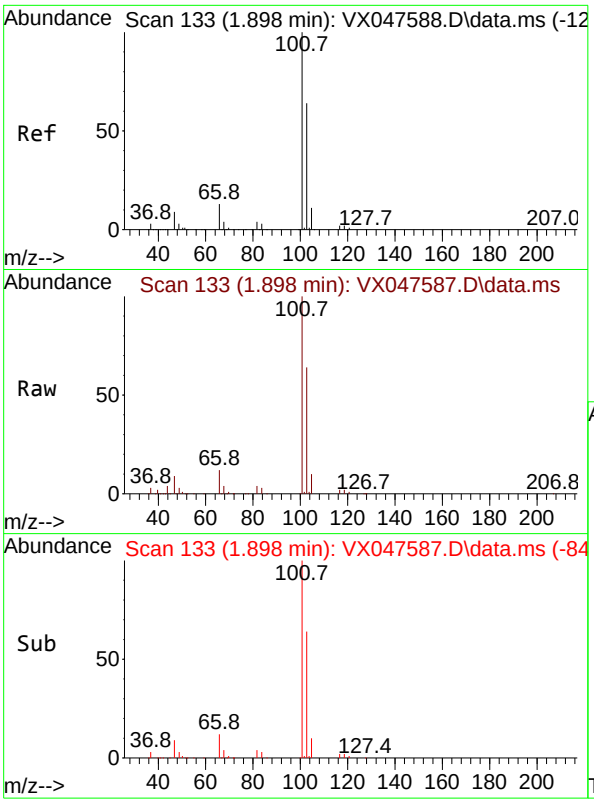


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



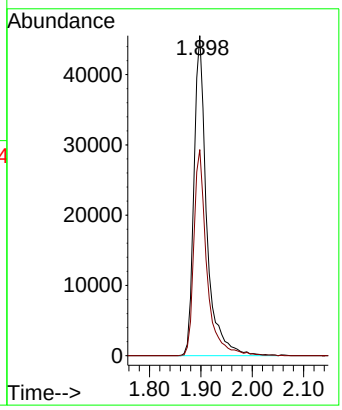


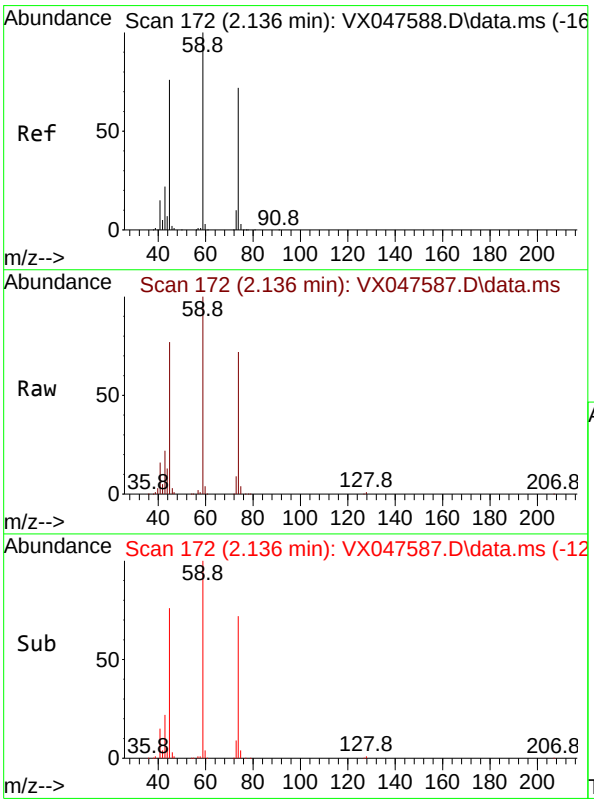
#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 78667

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

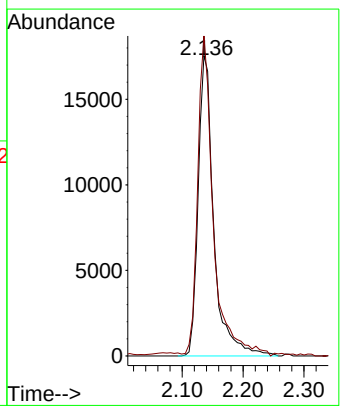


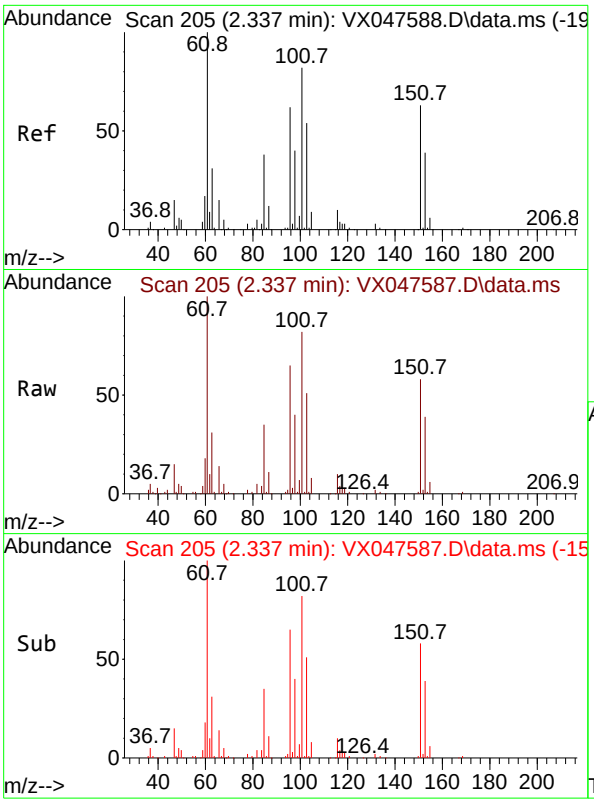


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8



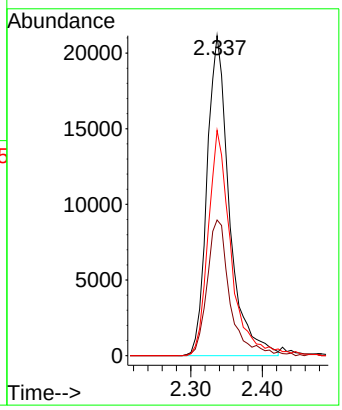


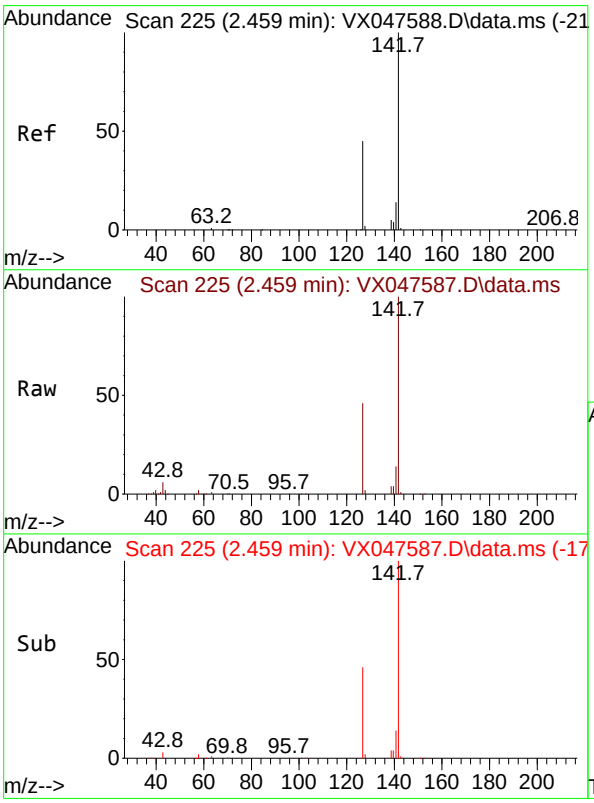
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 45733

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0

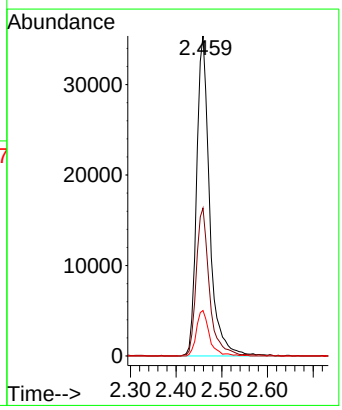


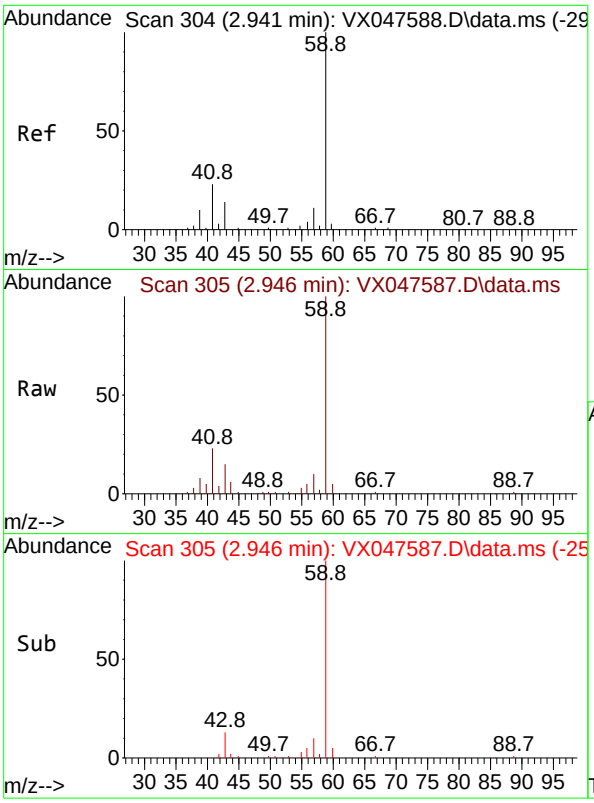


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0



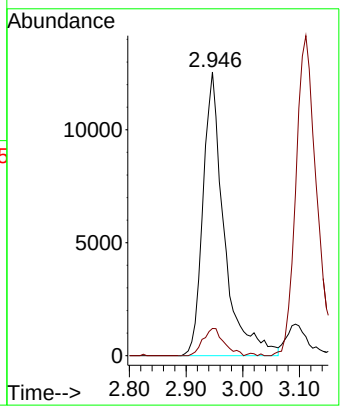


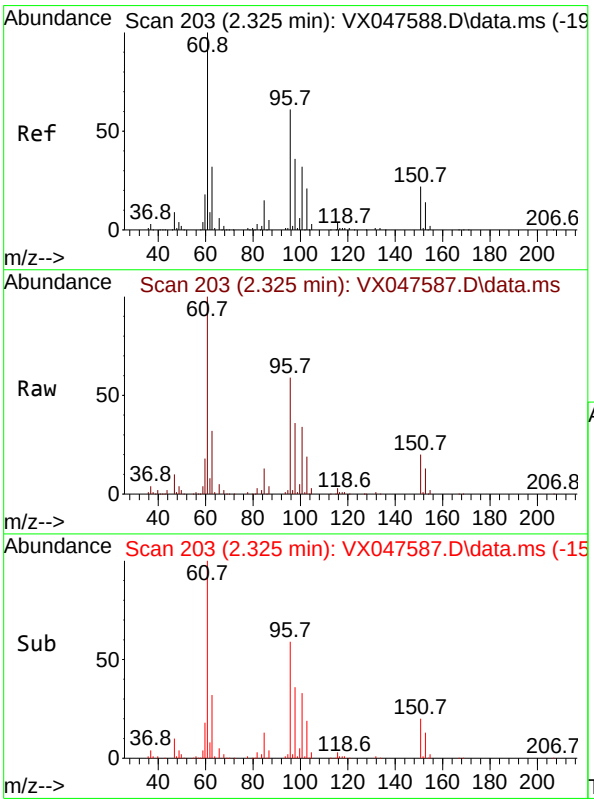
#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 32456

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

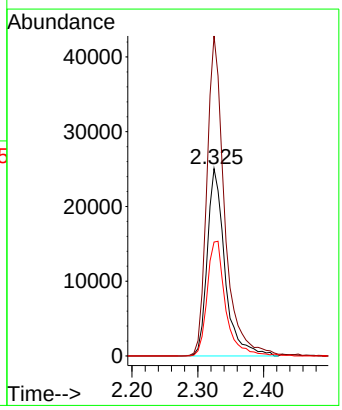


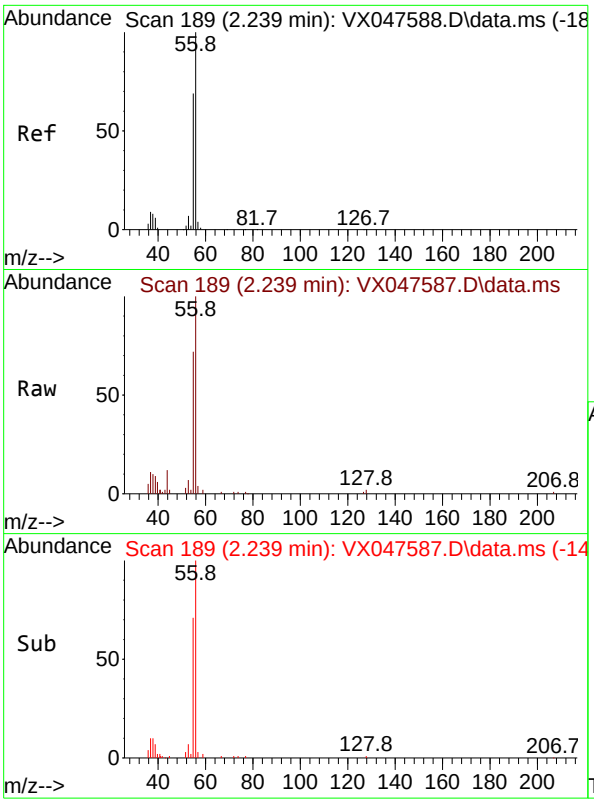


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5



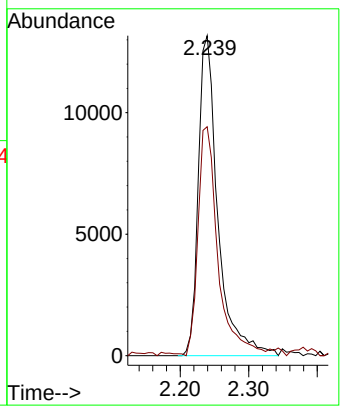


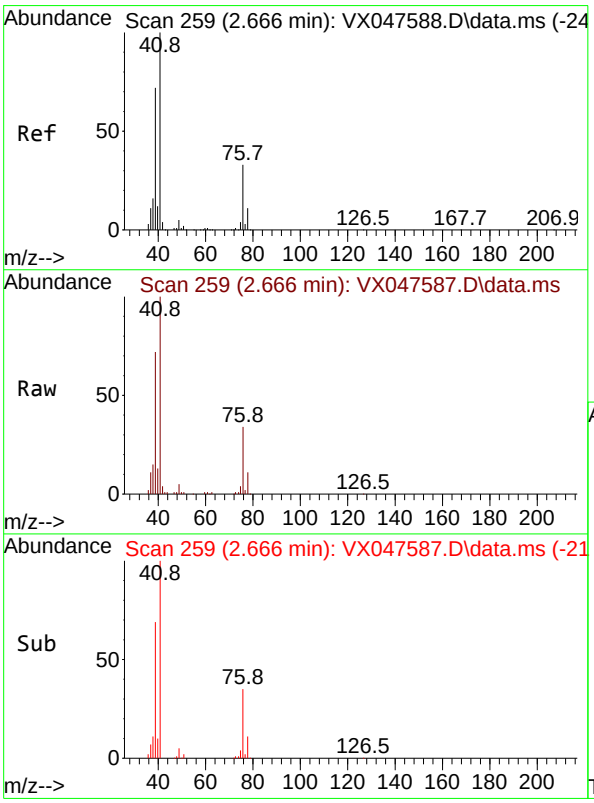
#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26159

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

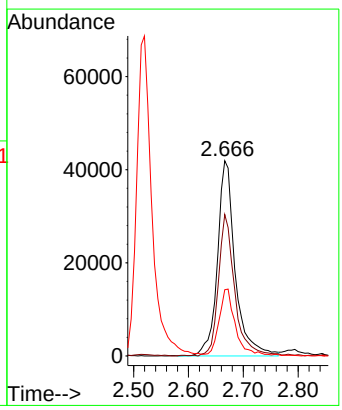


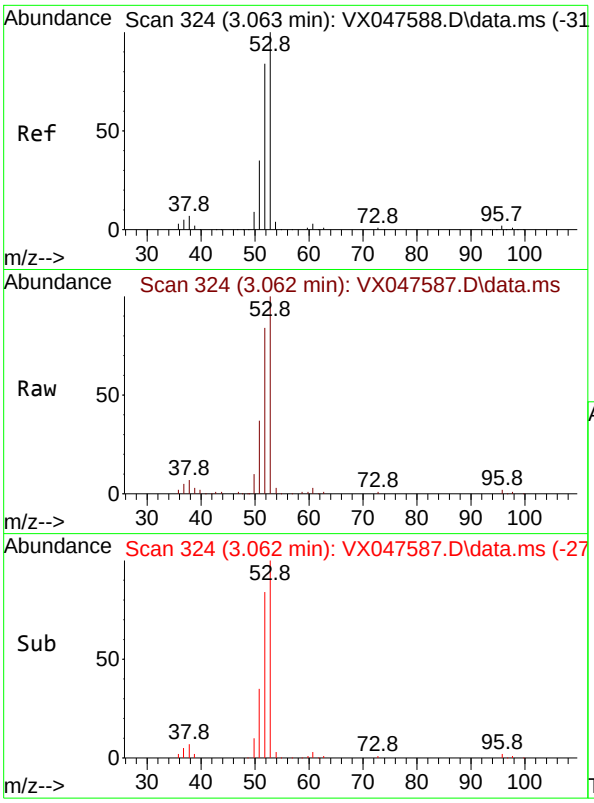


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5



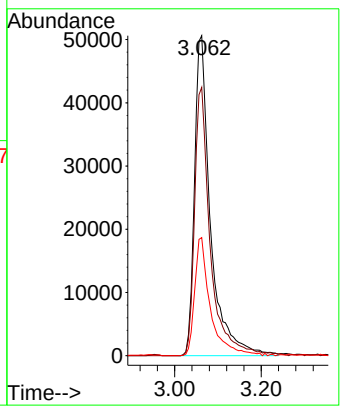


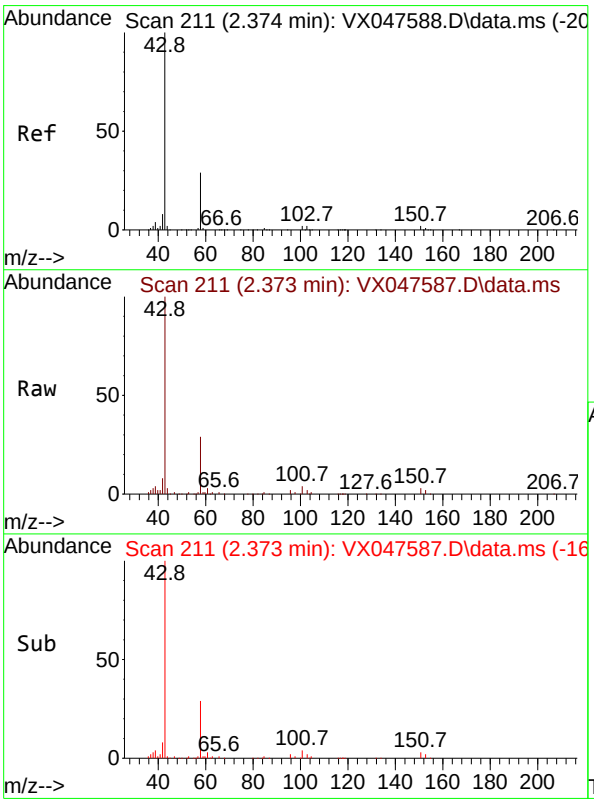
#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 130143

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

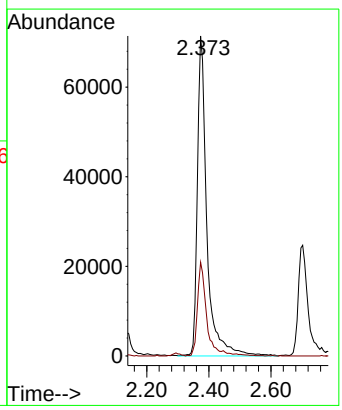


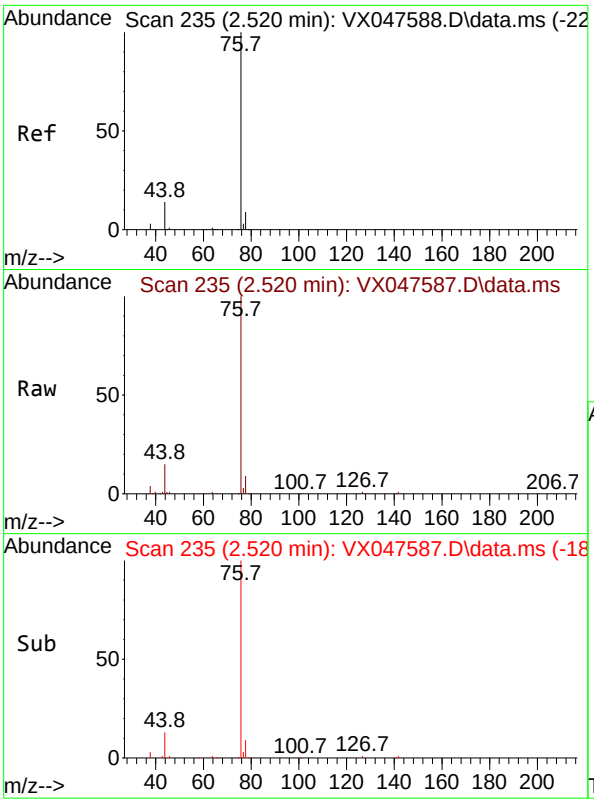


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



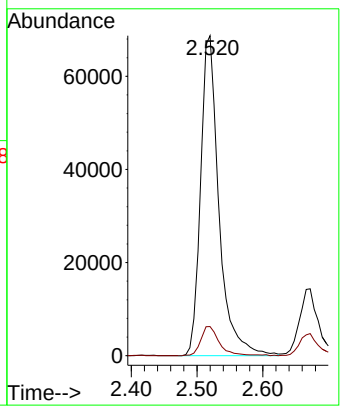


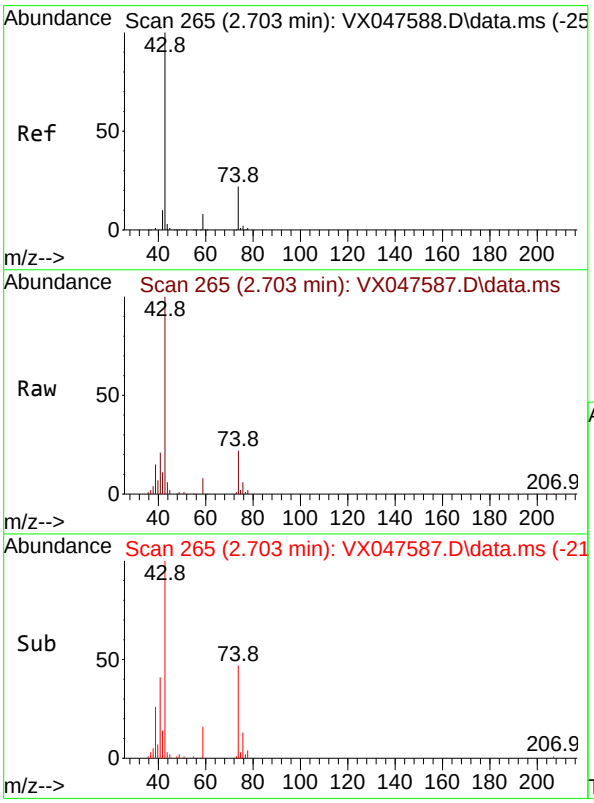
#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 133296

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

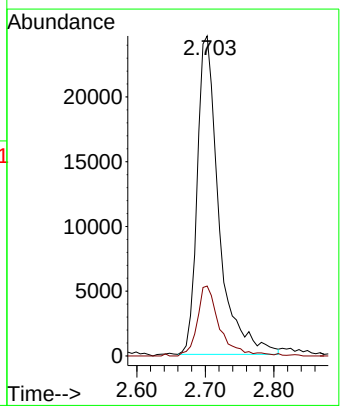


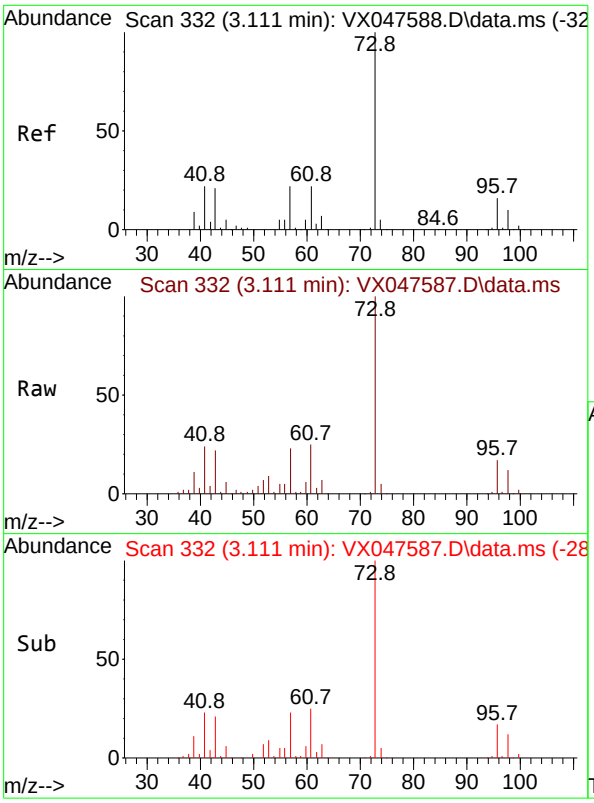


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



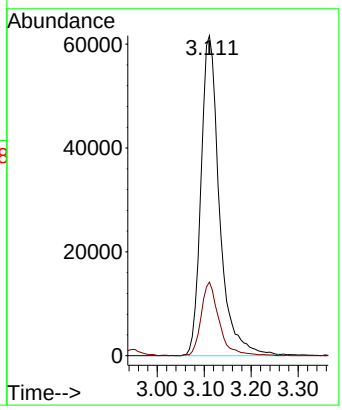


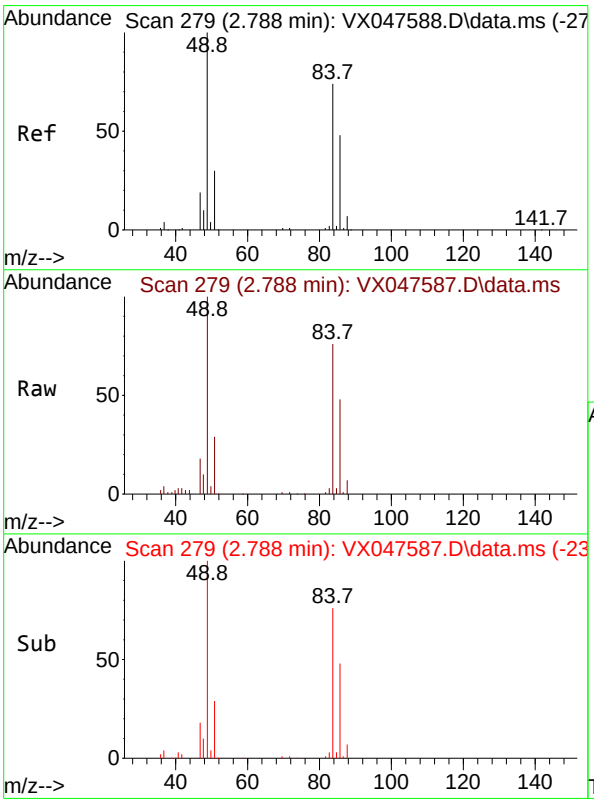
#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 168426

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

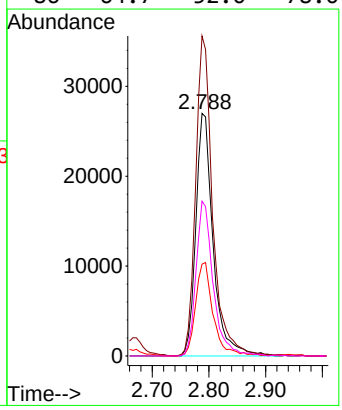


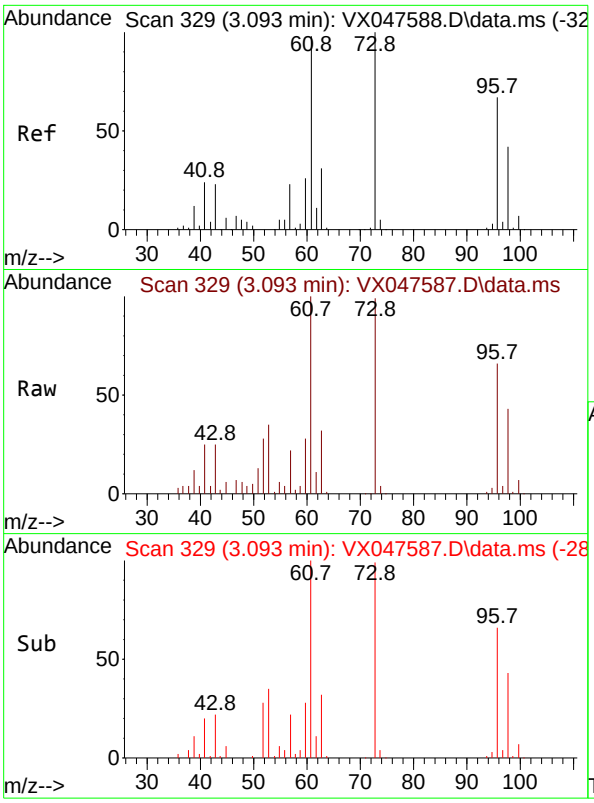


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0



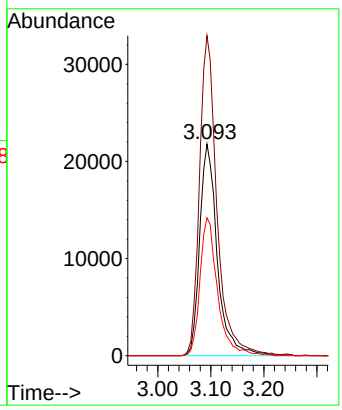


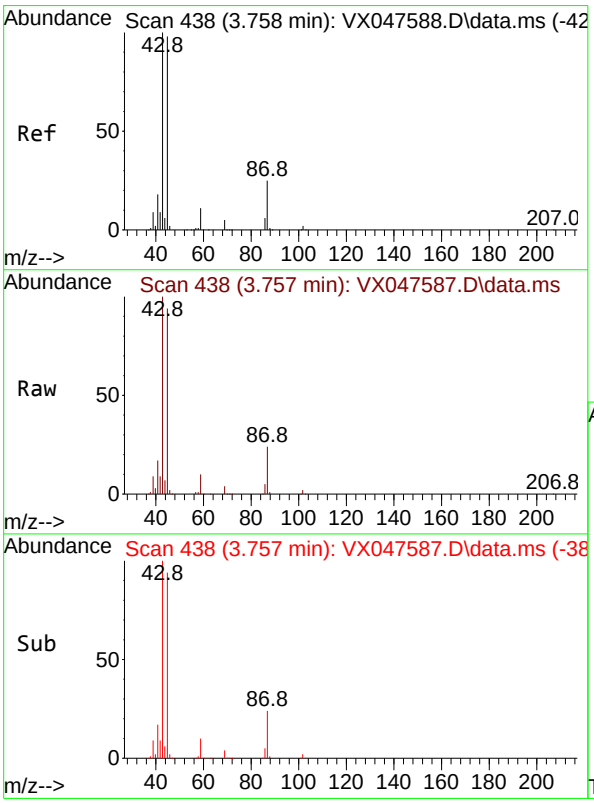
#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 50413

Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9

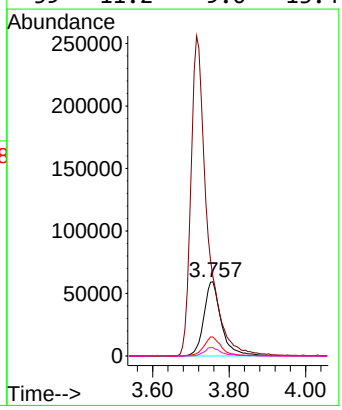


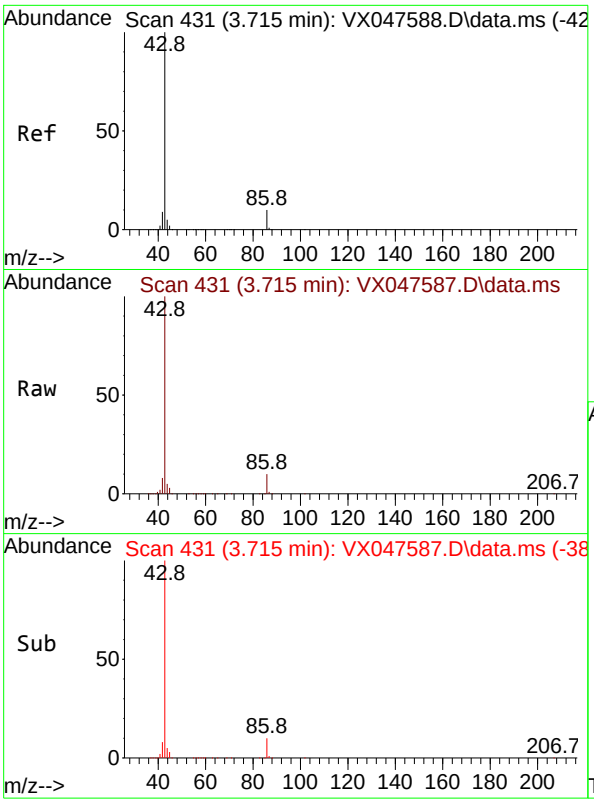


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4



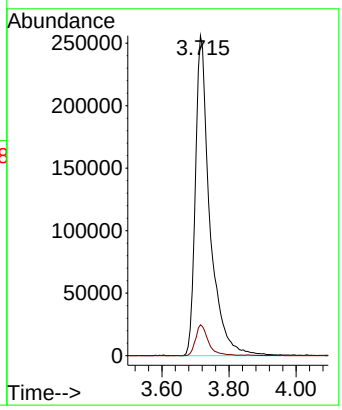


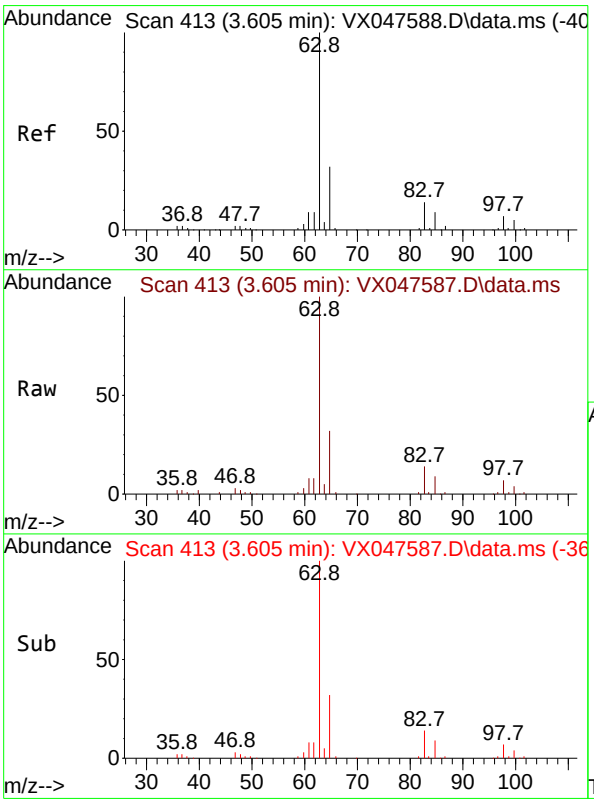
#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 765675

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

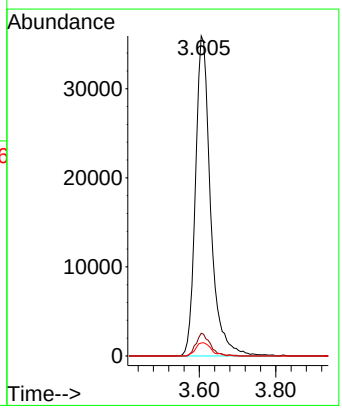


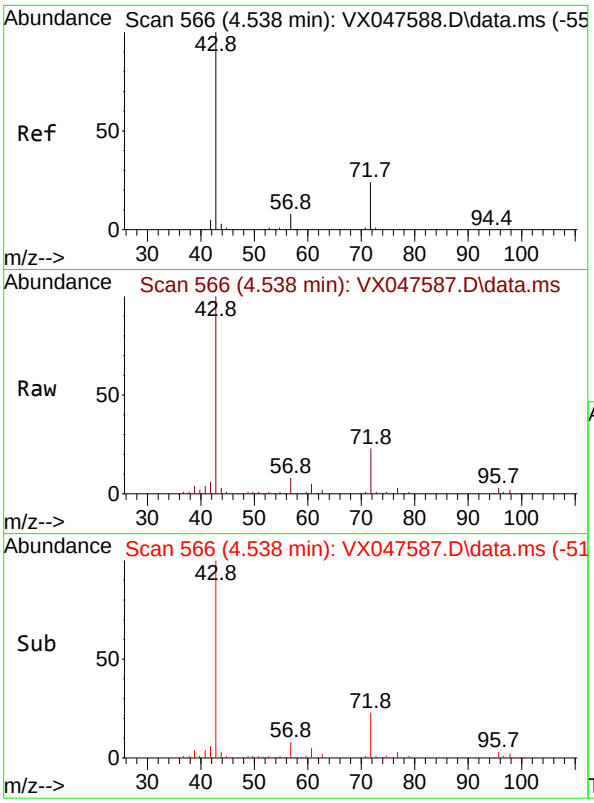


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9



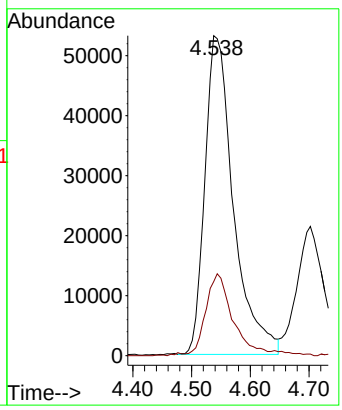


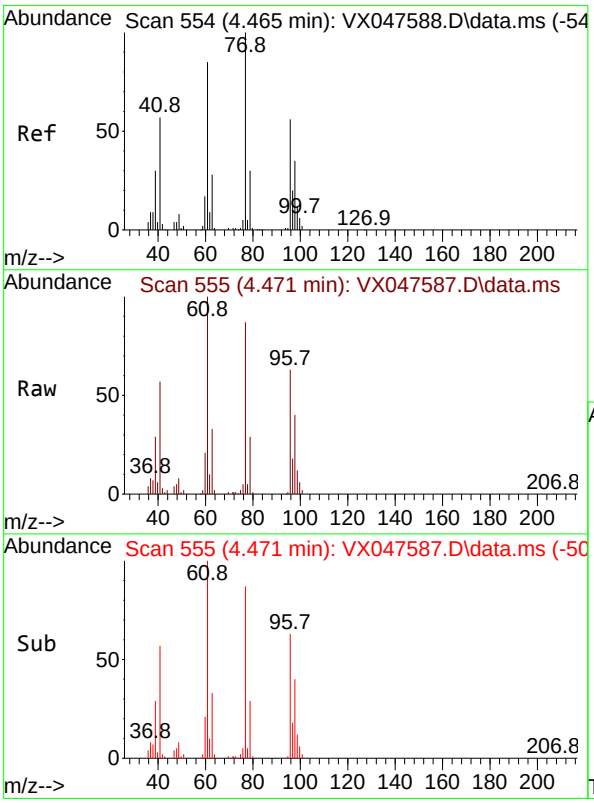
#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179487

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

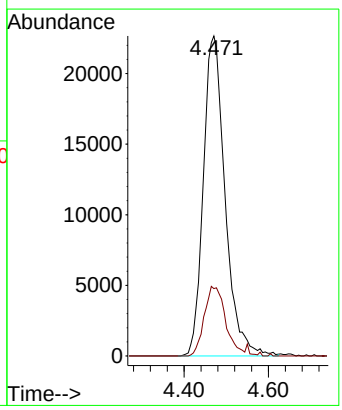


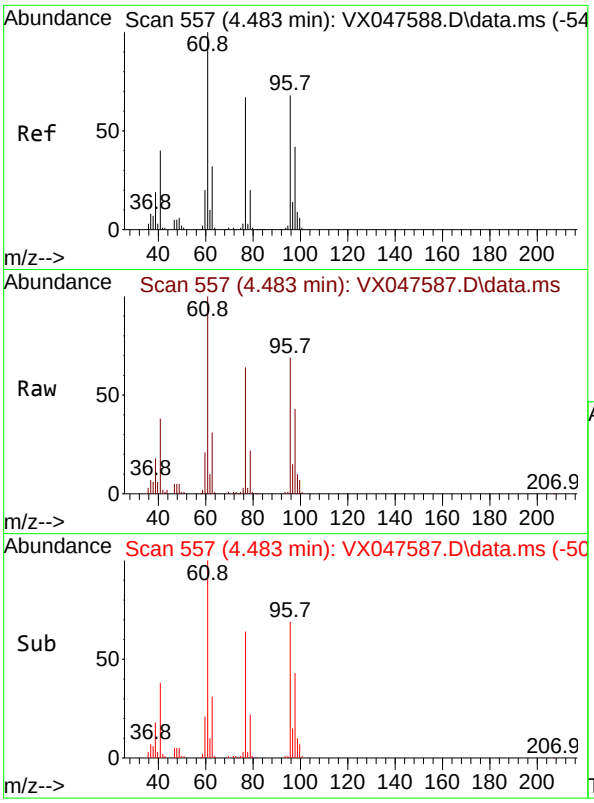


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



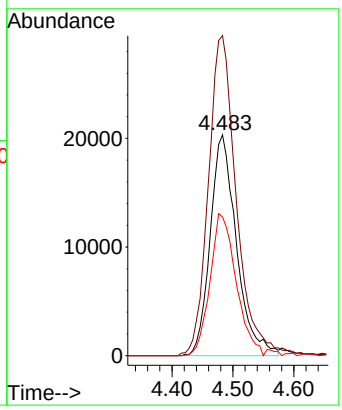


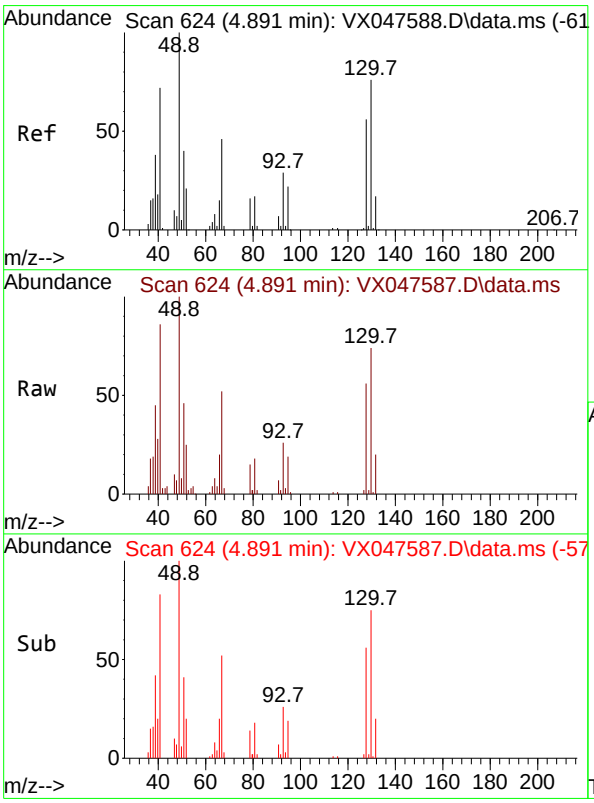
#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 60865

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8

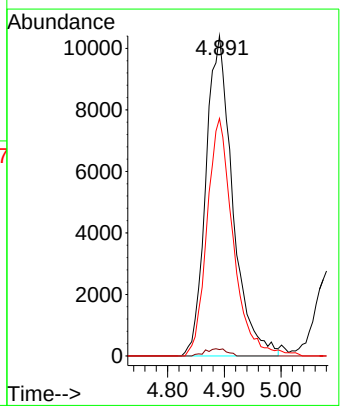


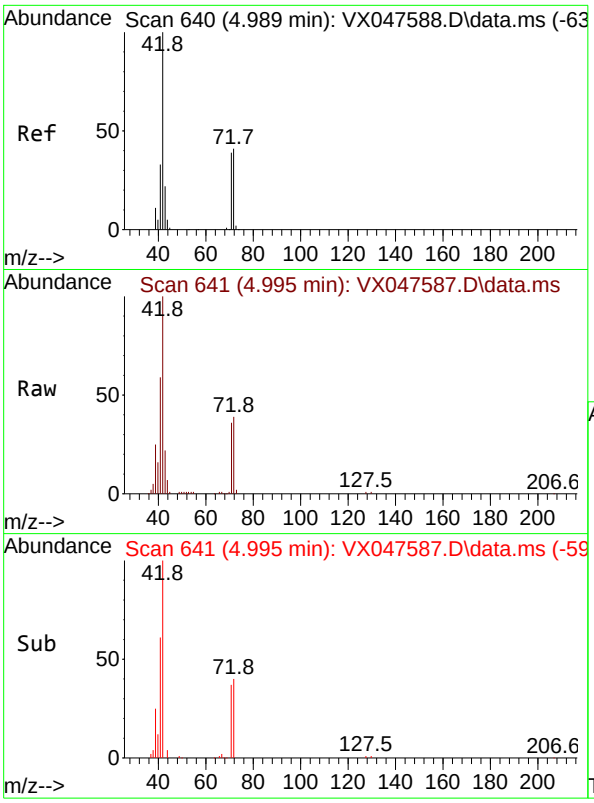


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8



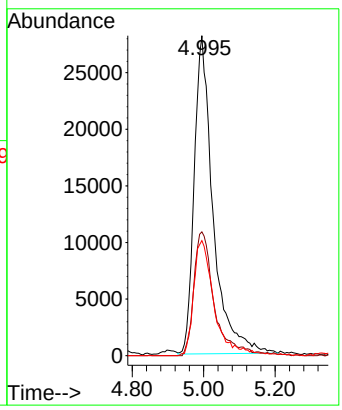


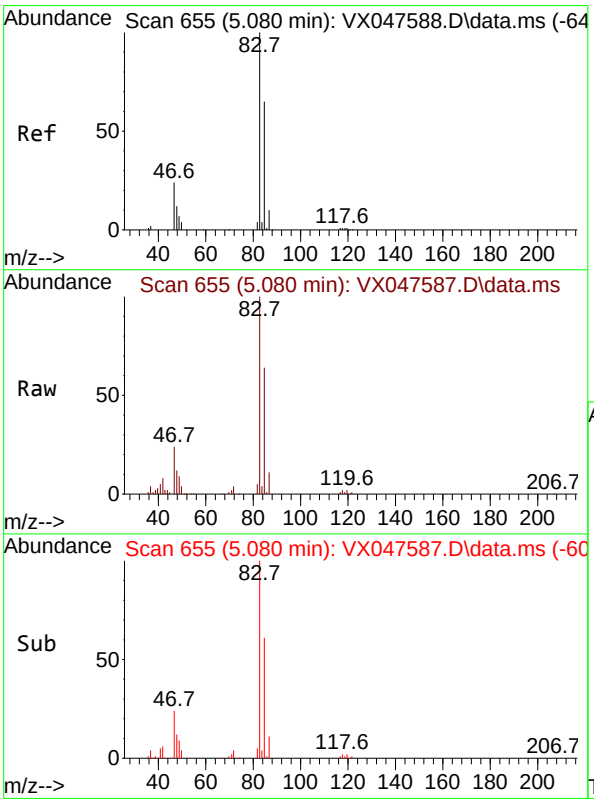
#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 102935

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

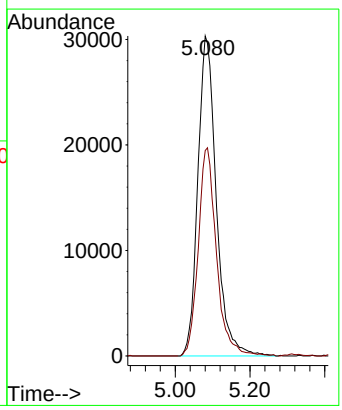


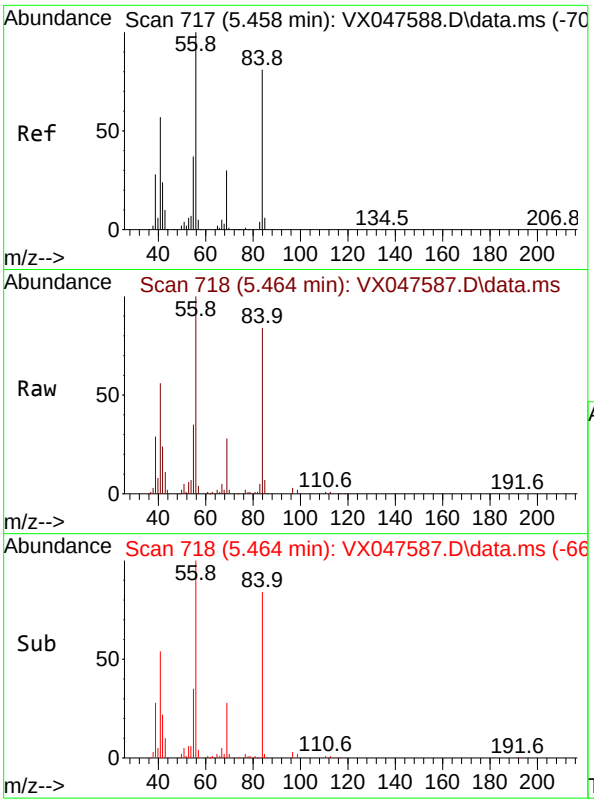


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6



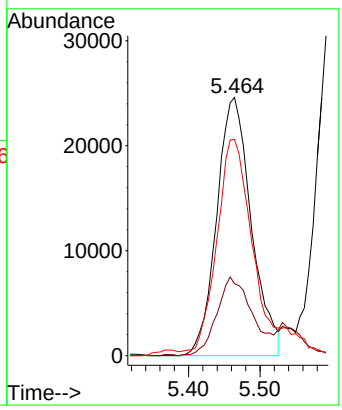


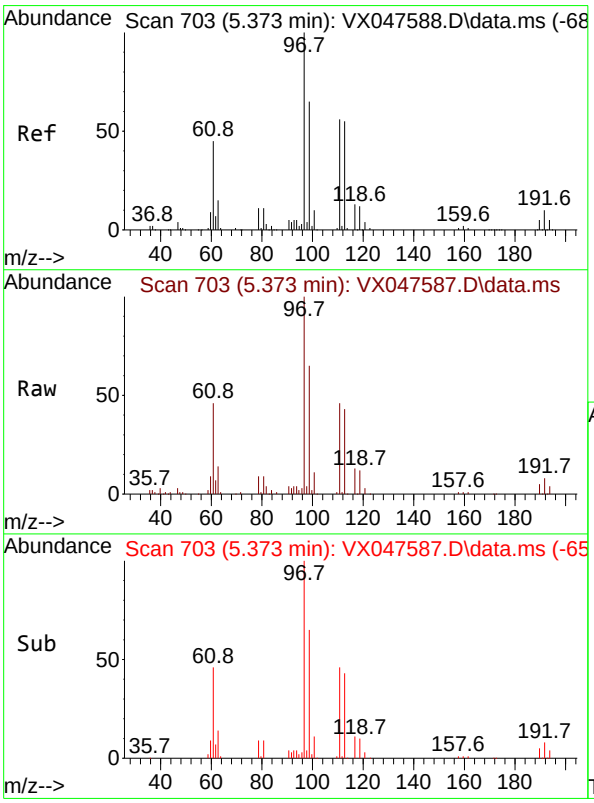
#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 82770

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

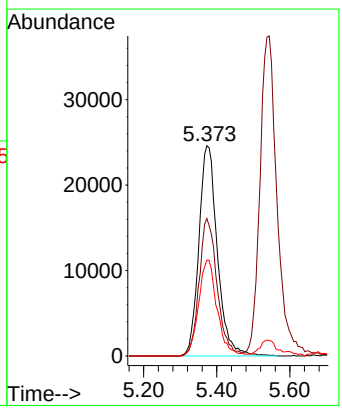


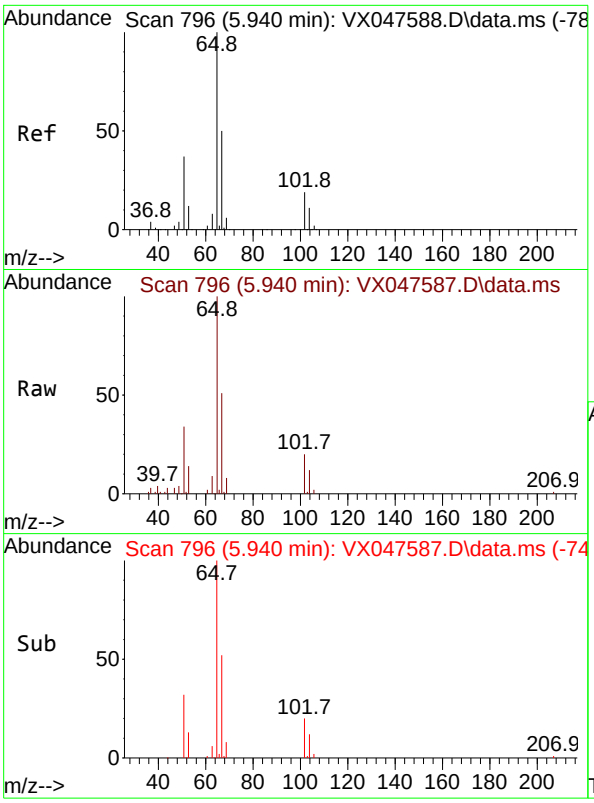


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8



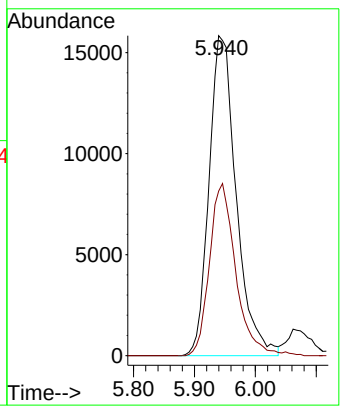


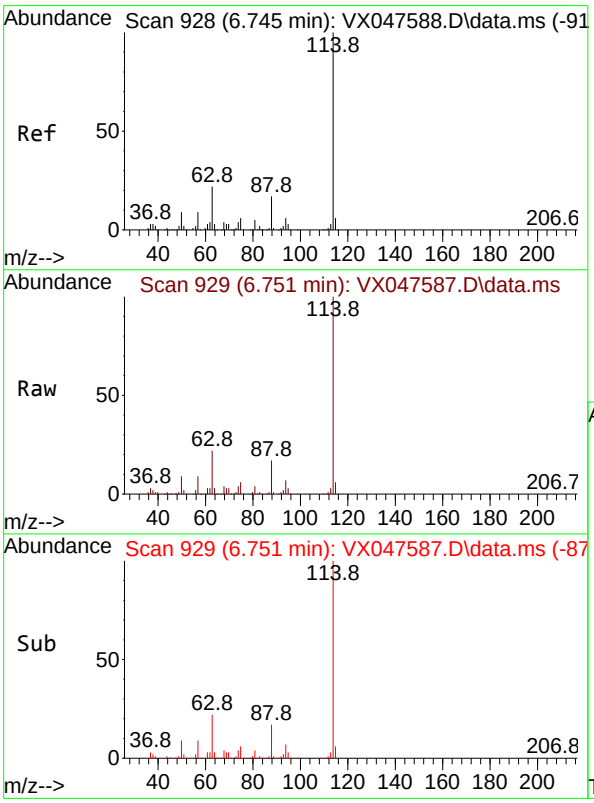
#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 49073

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

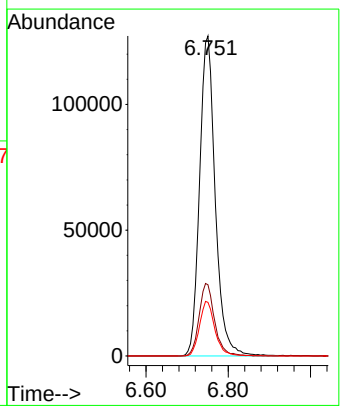


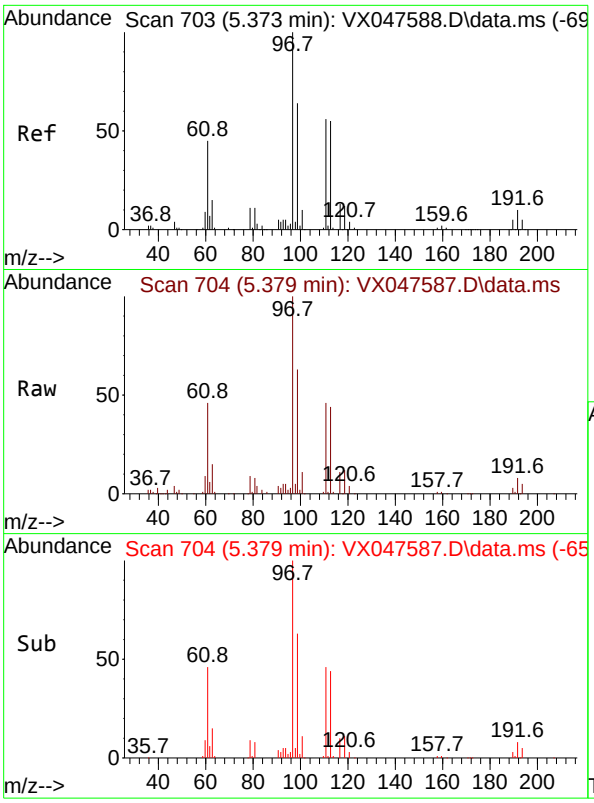


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



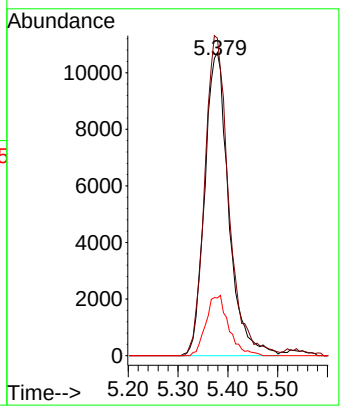


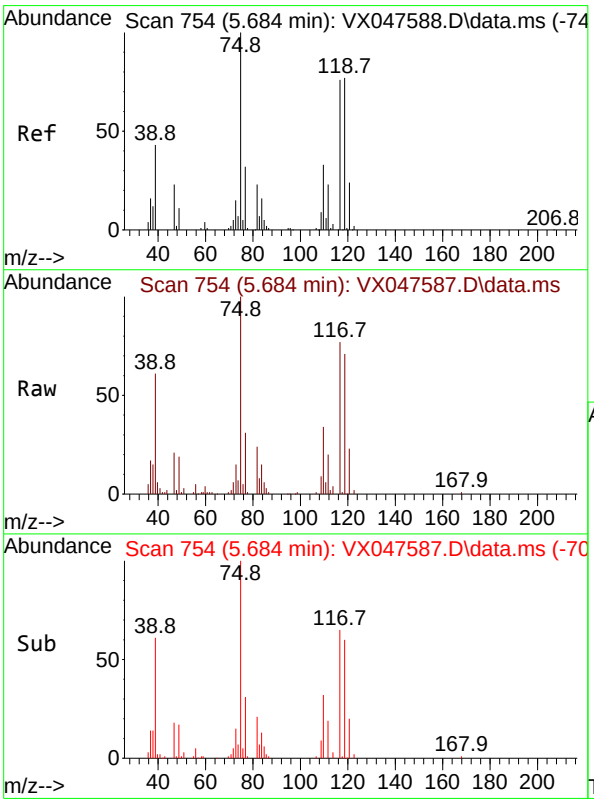
#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35788

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4

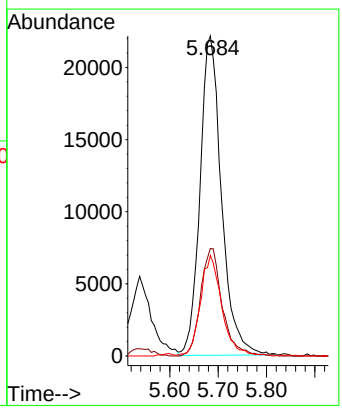


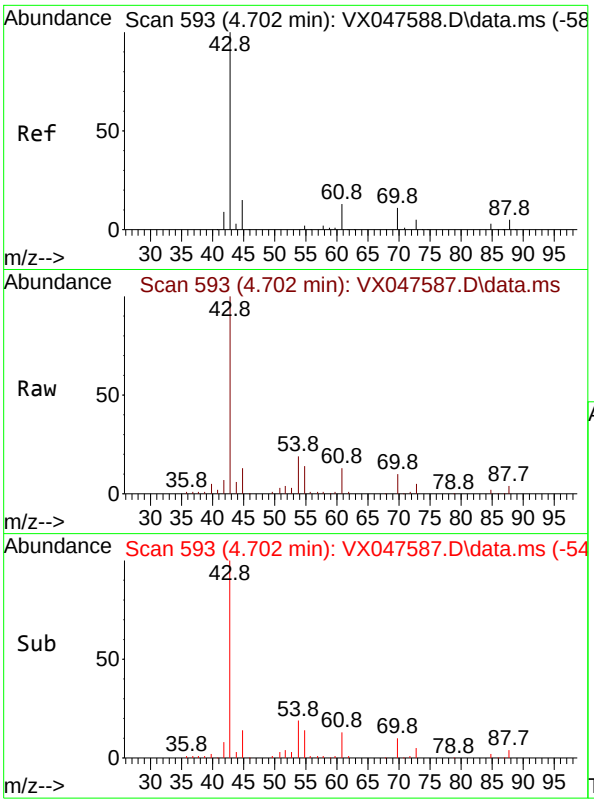


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5



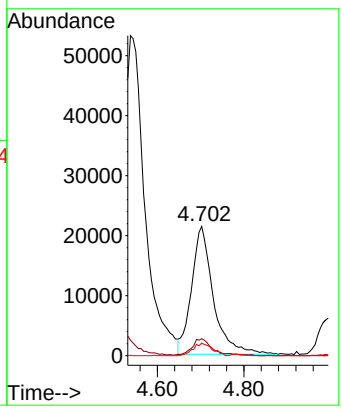


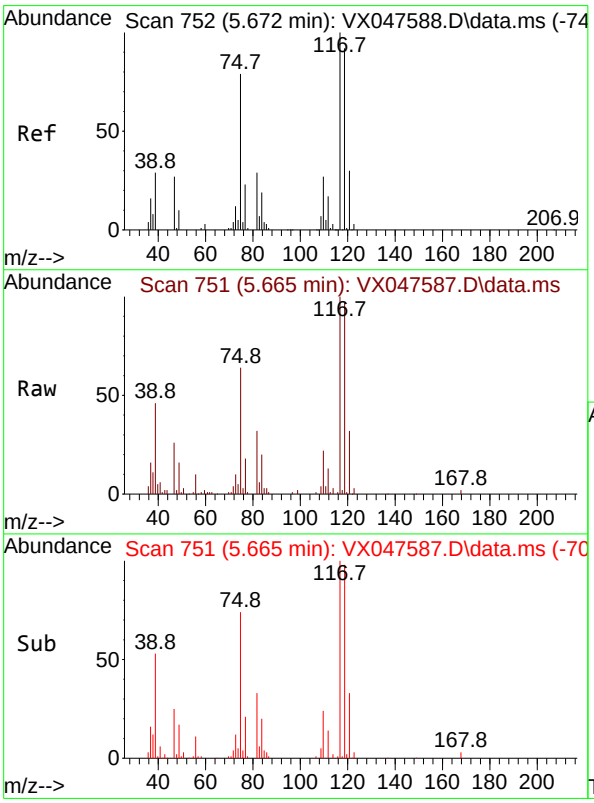
#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 74499

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9

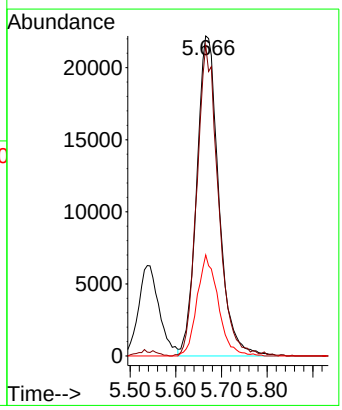


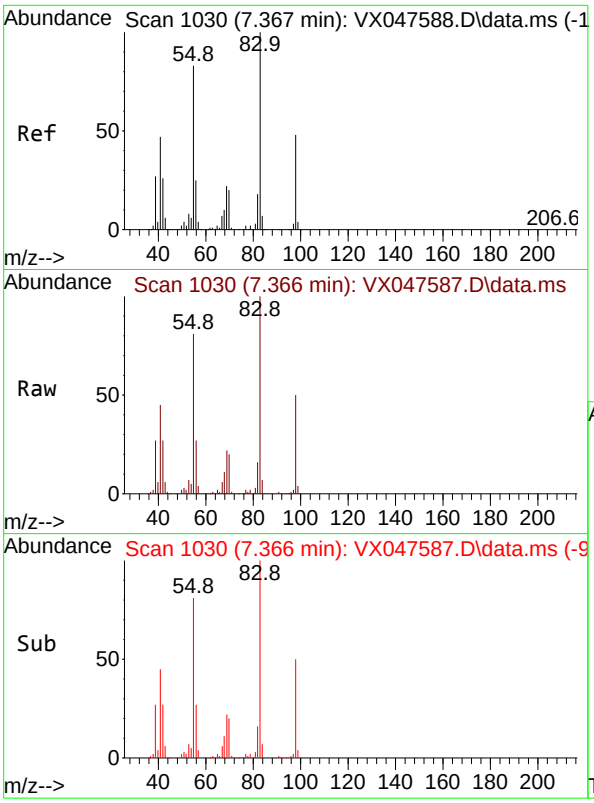


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6



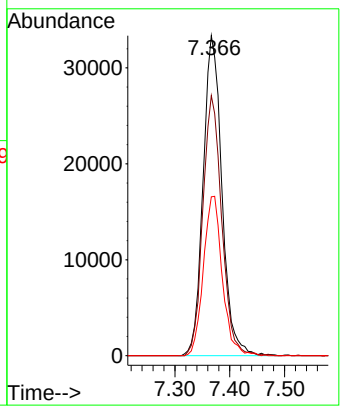


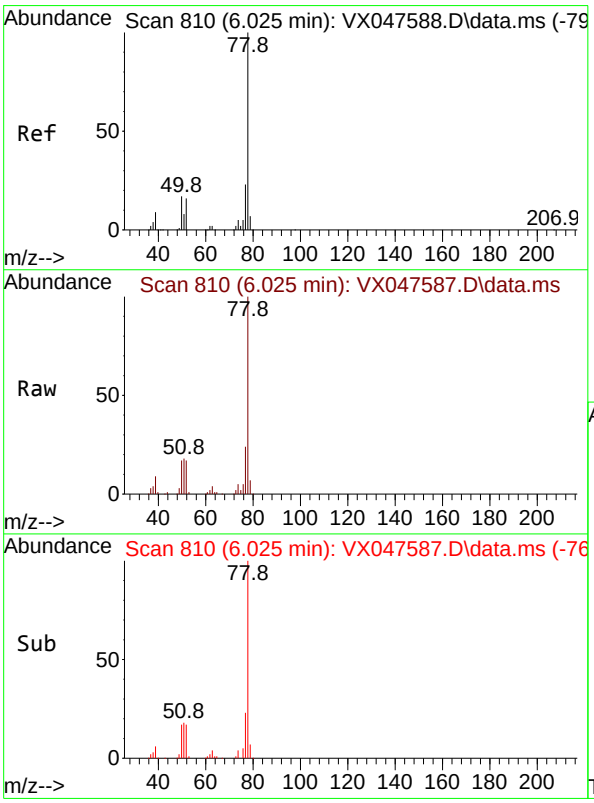
#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 79499

Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1

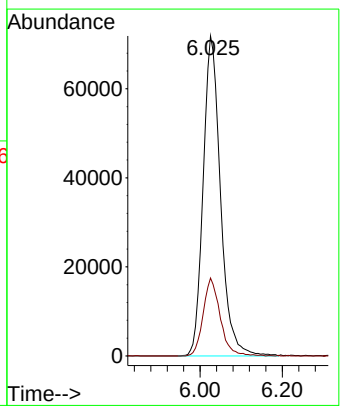


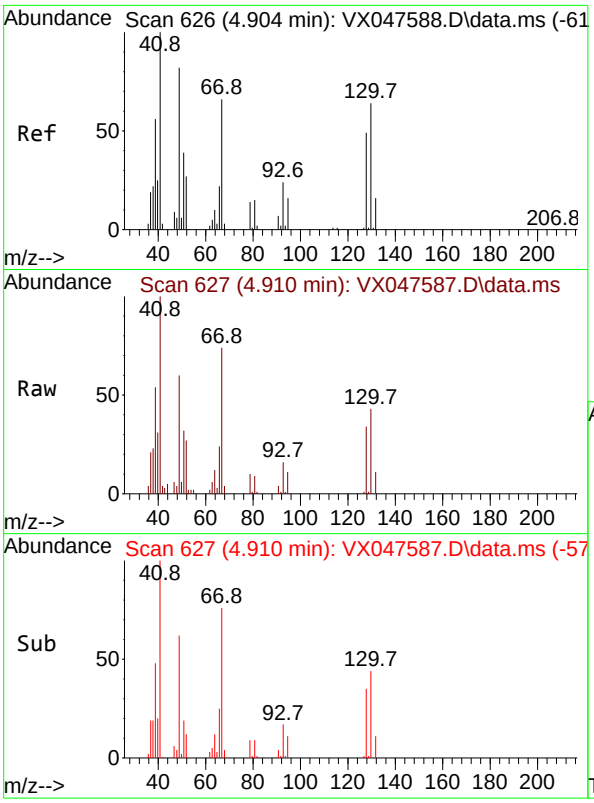


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



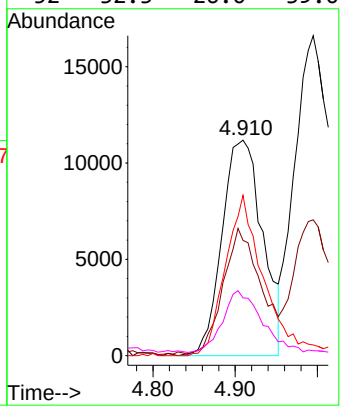


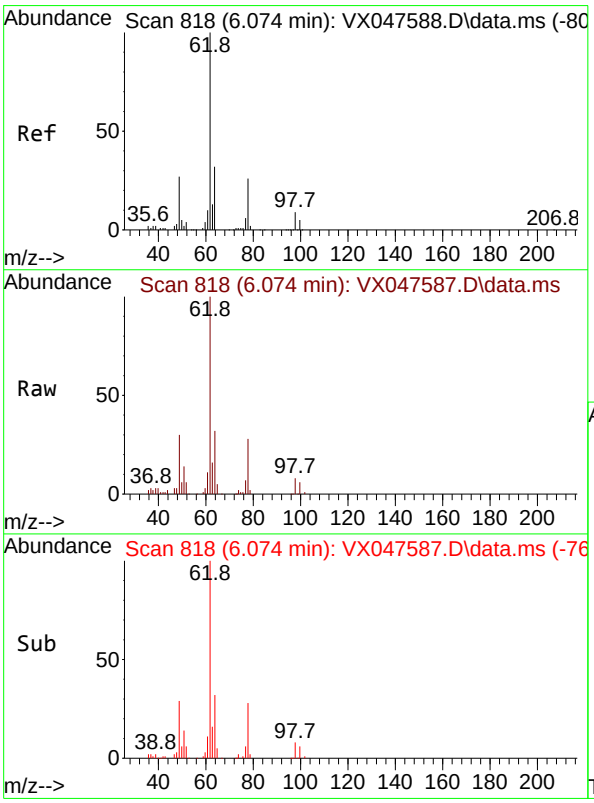
#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 38525

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0

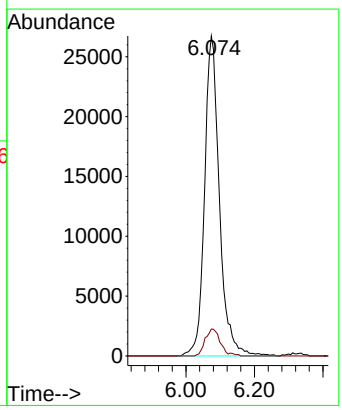


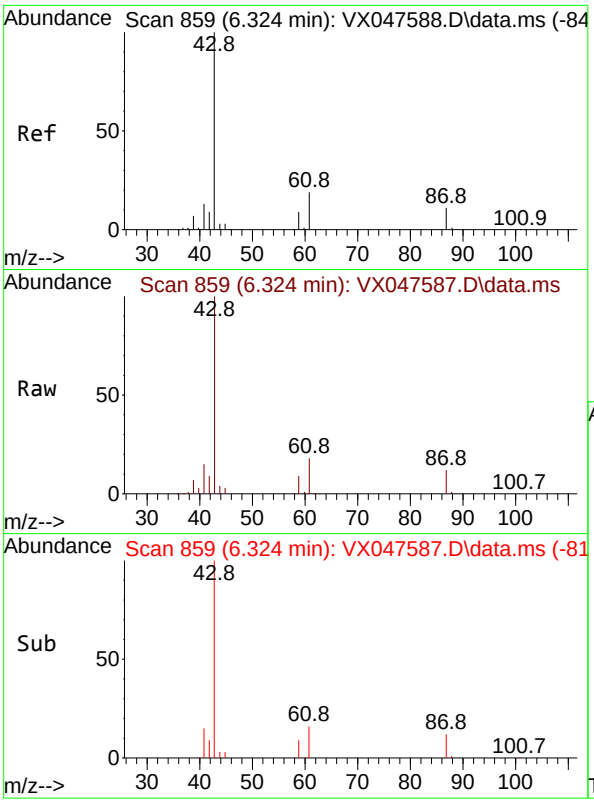


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



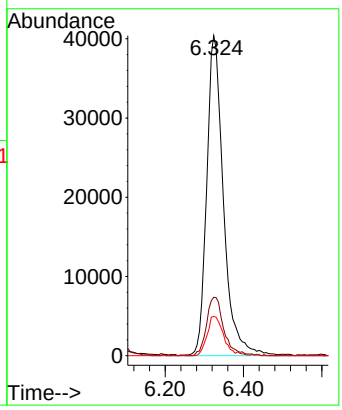


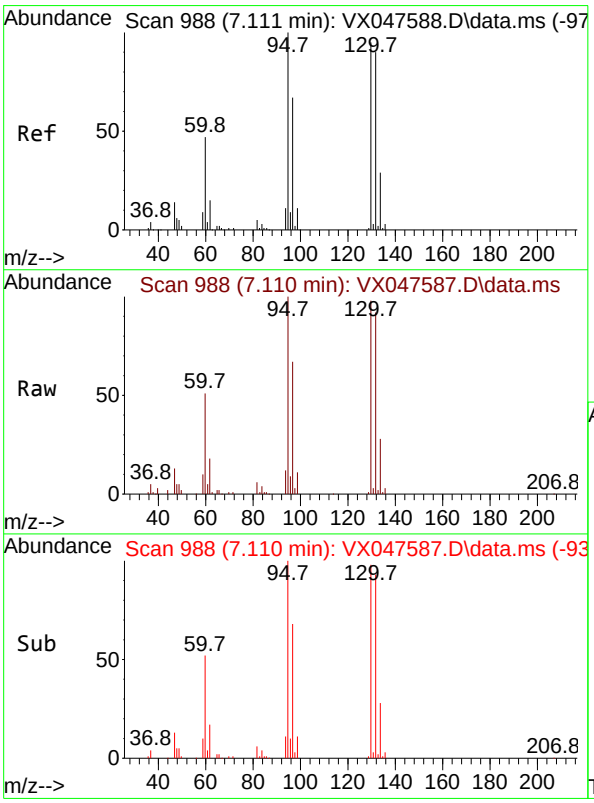
#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 119623

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4

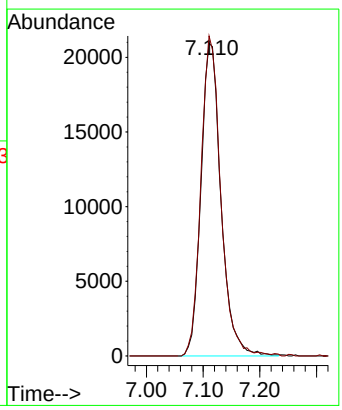


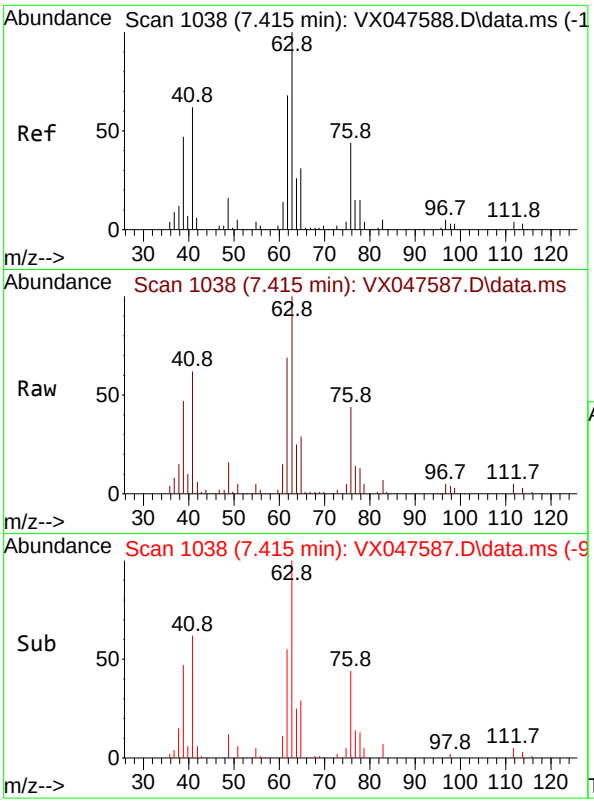


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8



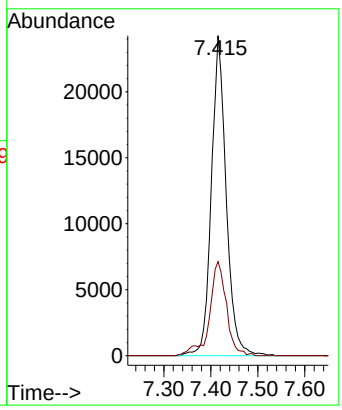


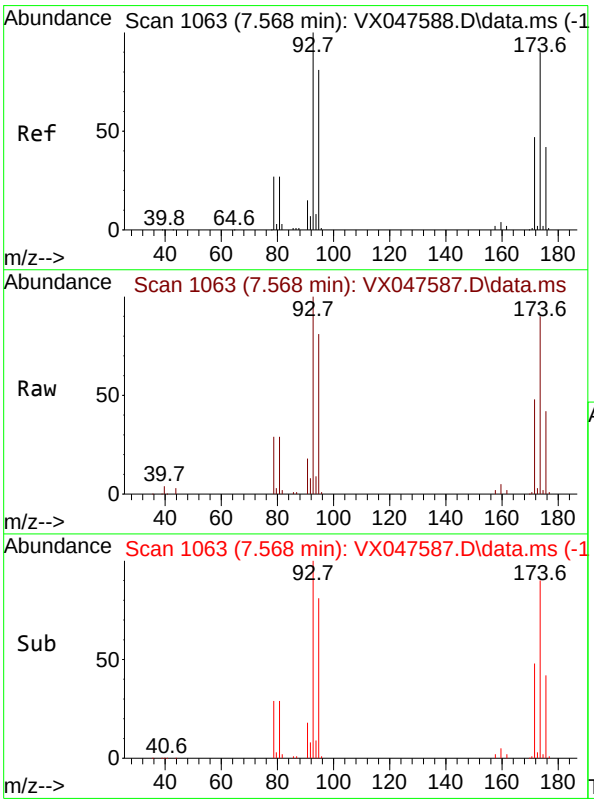
#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 53046

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

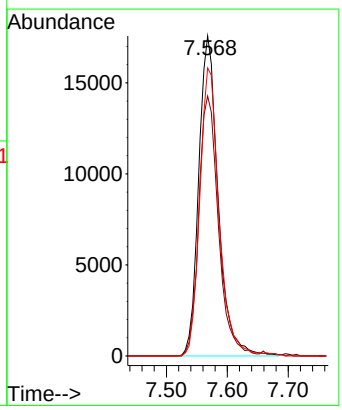


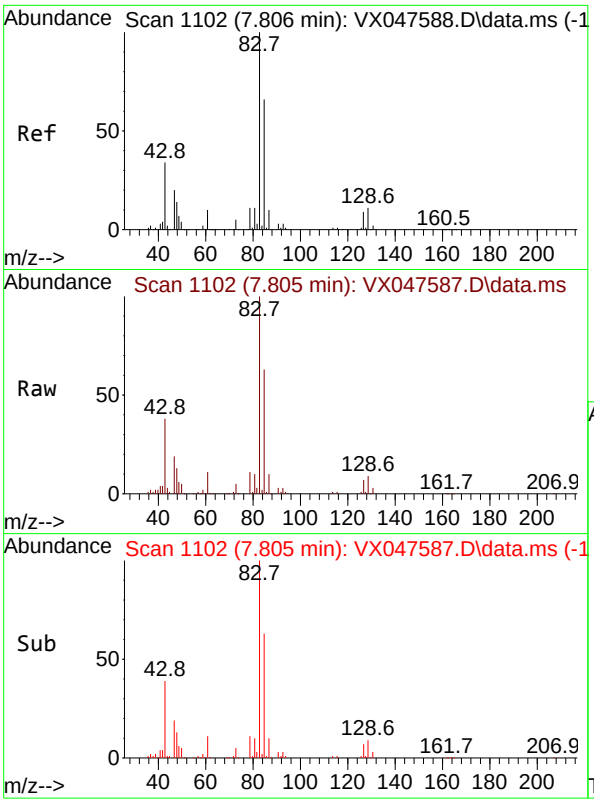


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4



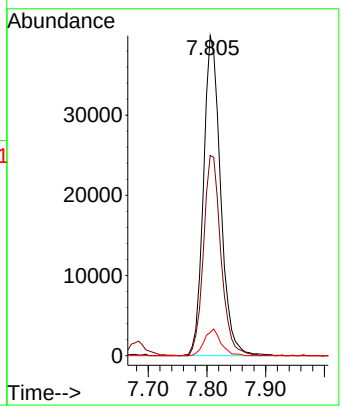


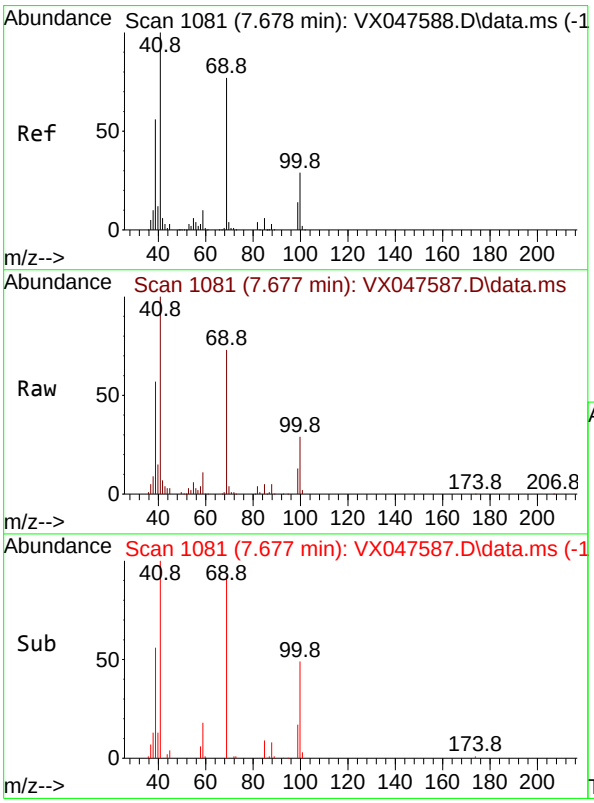
#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 80831

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

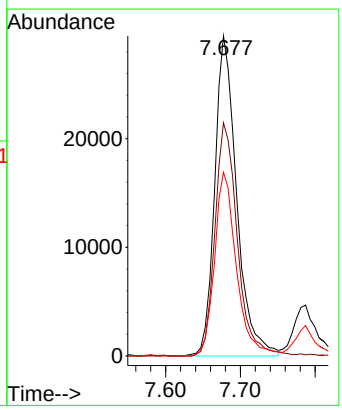


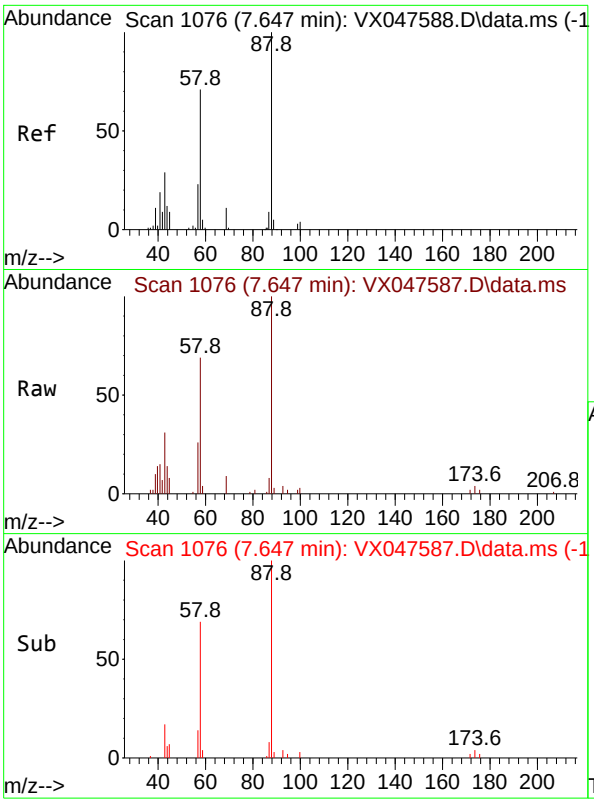


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6



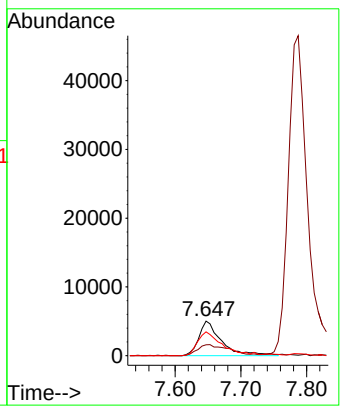


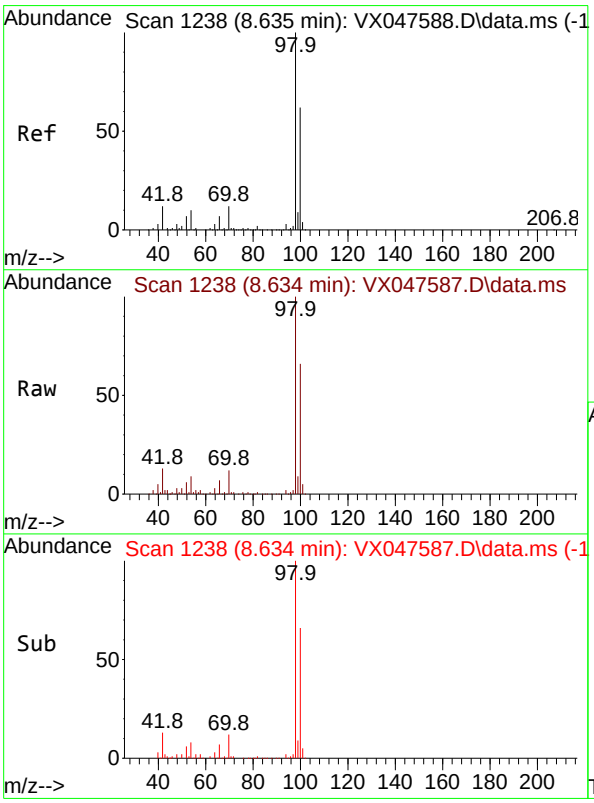
#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12047

Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3

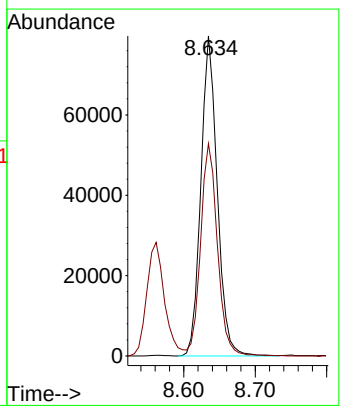


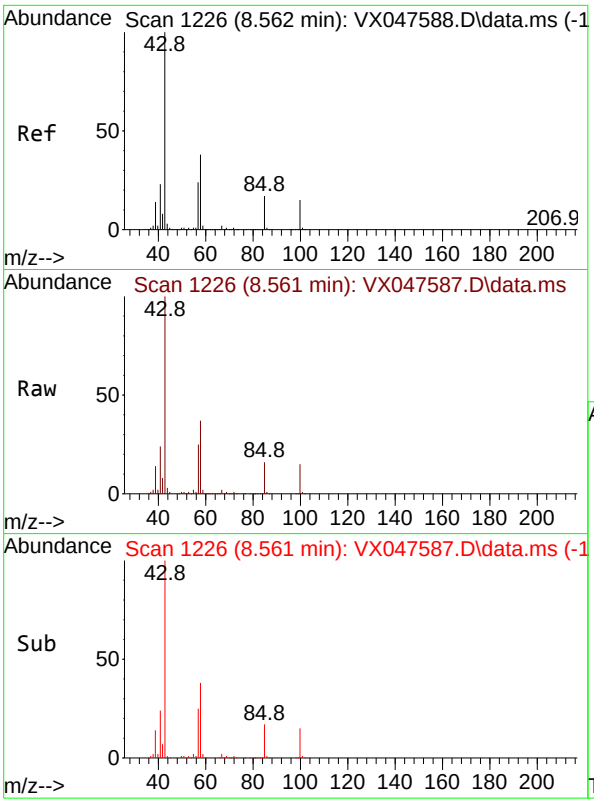


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



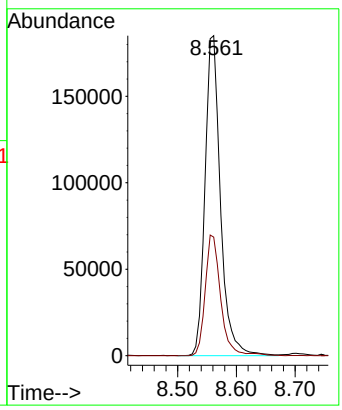


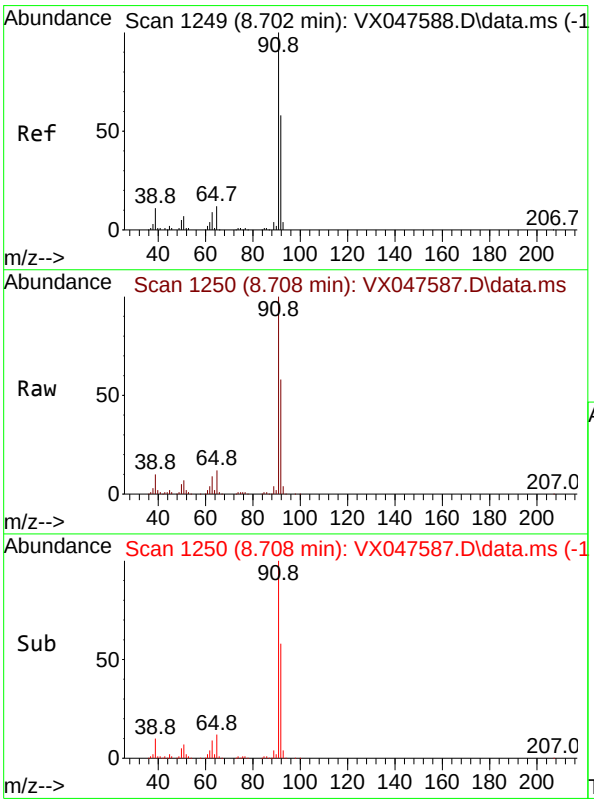
#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 338370

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

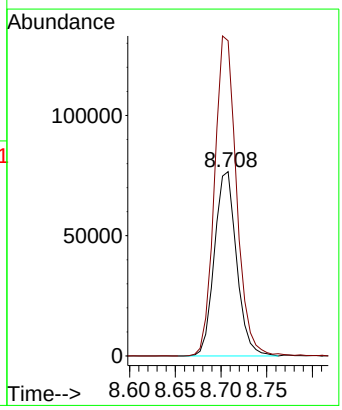


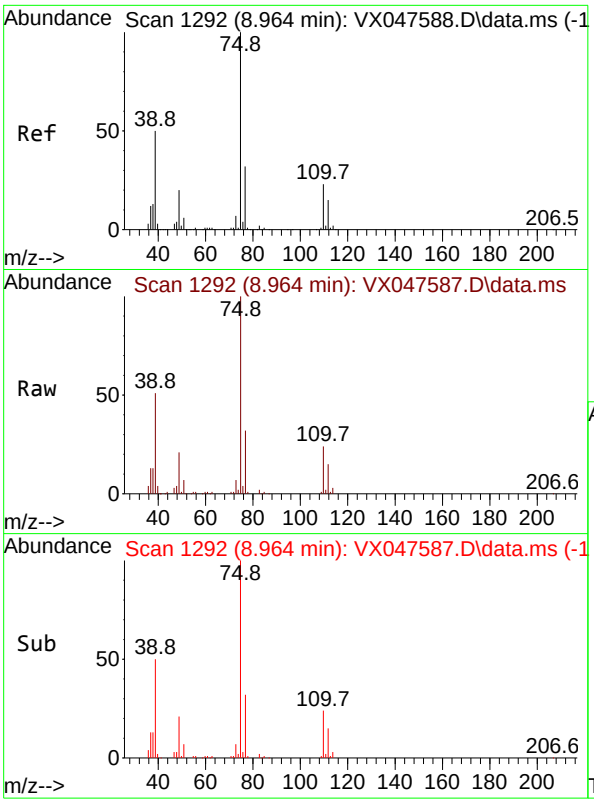


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7



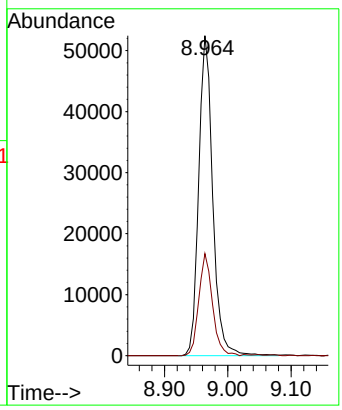


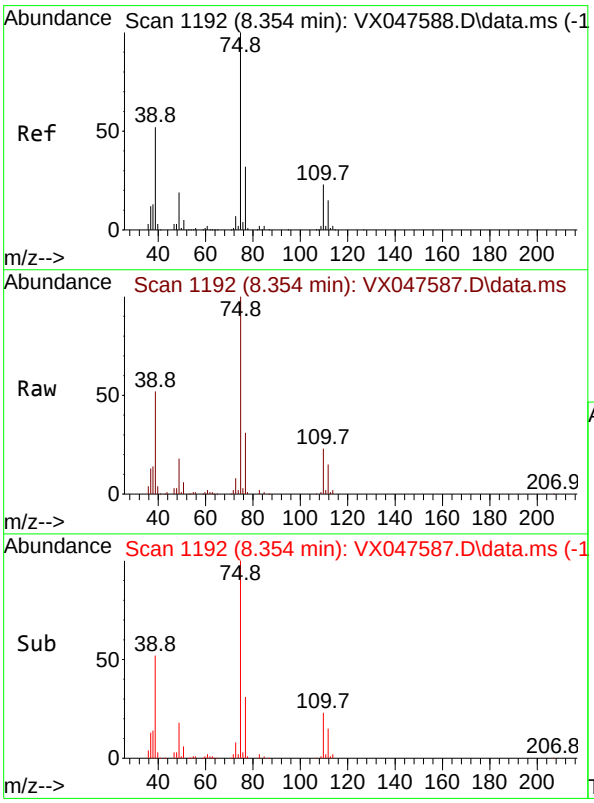
#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

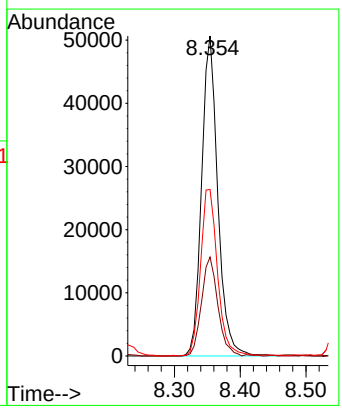


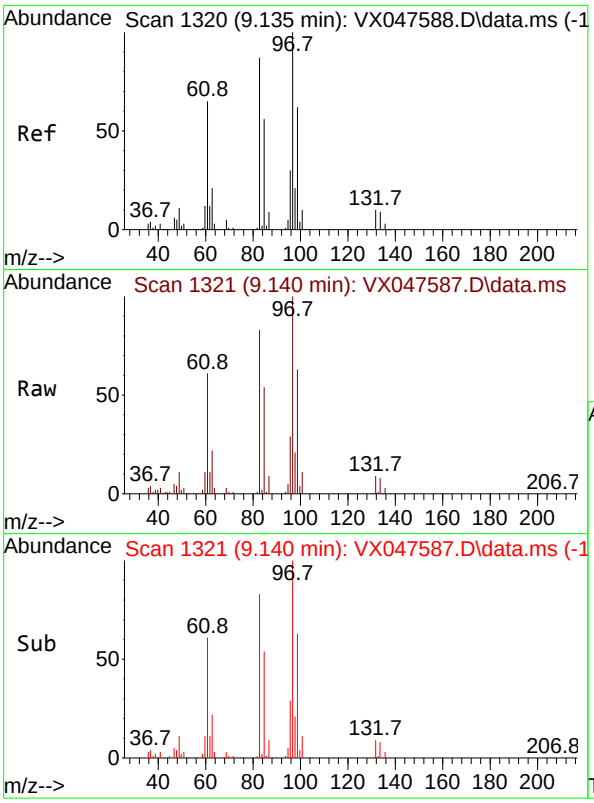


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2



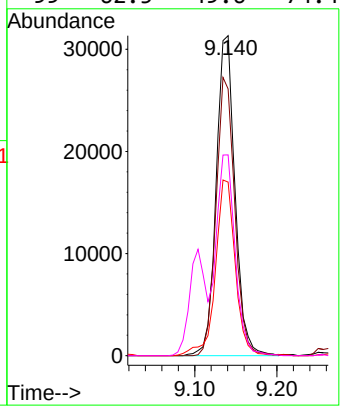


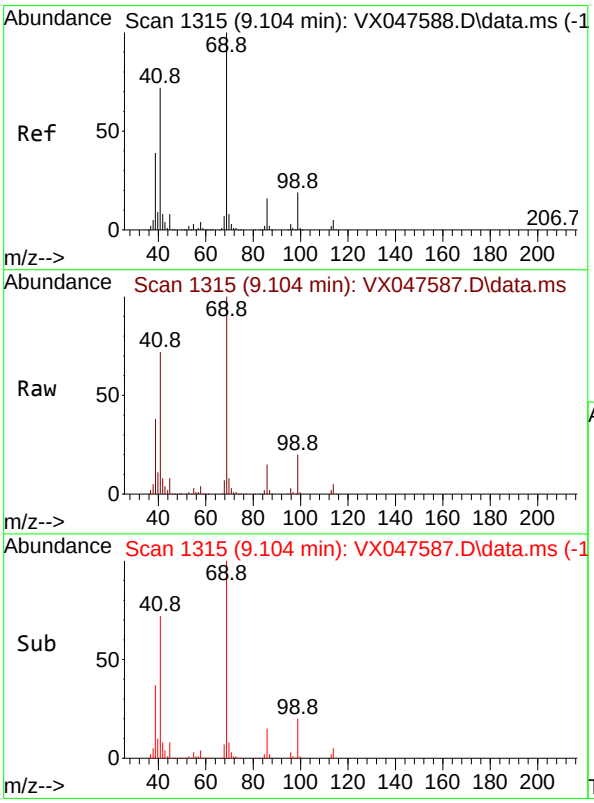
#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 49857

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4

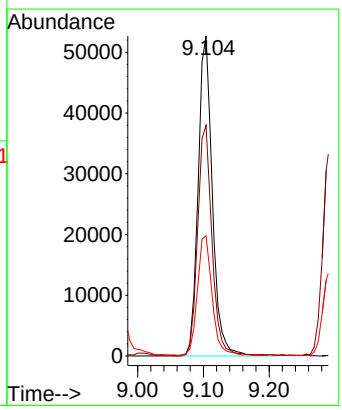


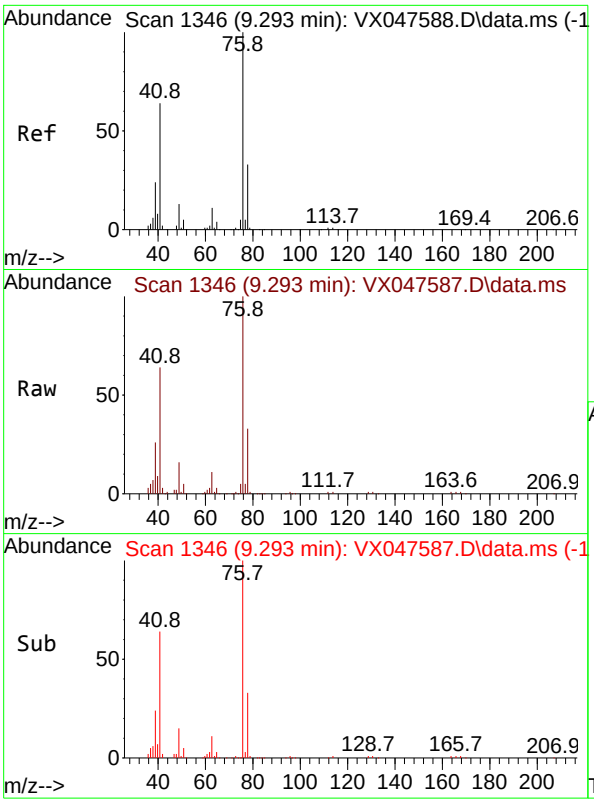


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3



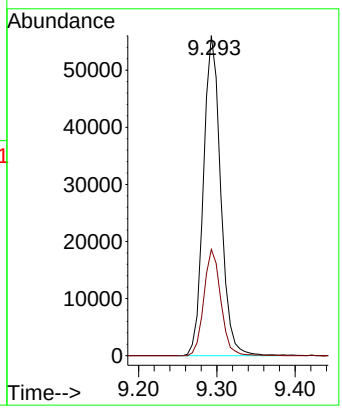


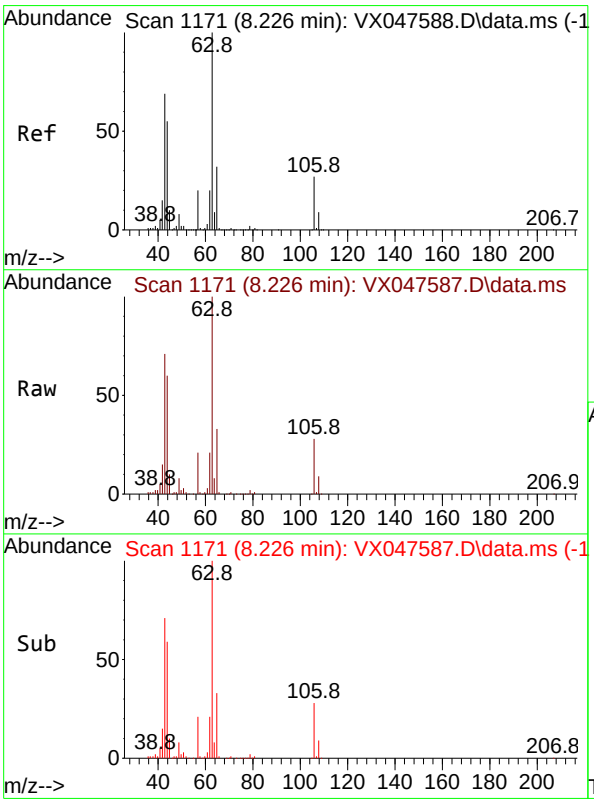
#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 85511

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

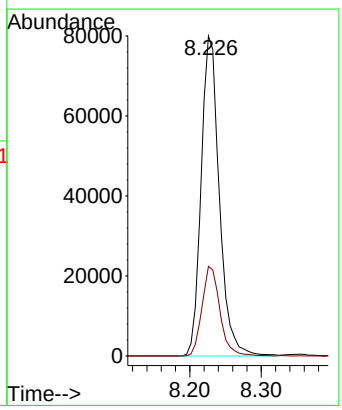


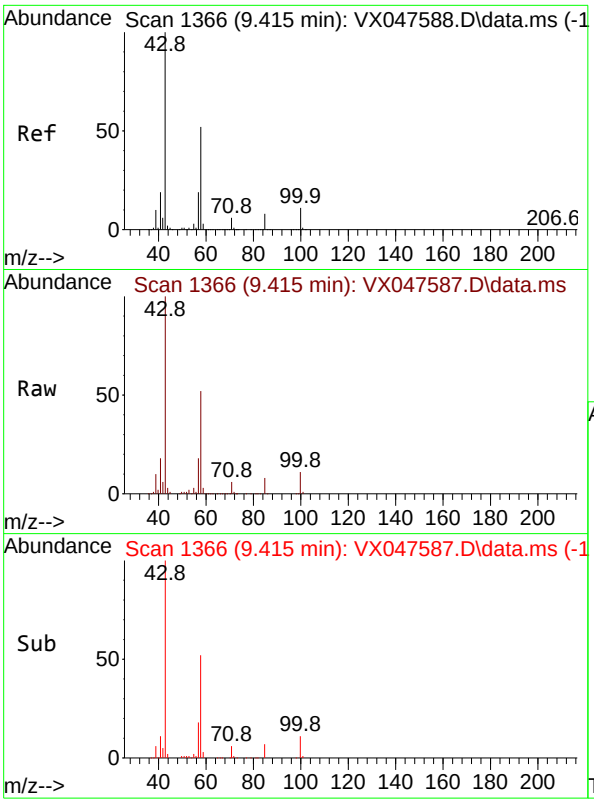


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



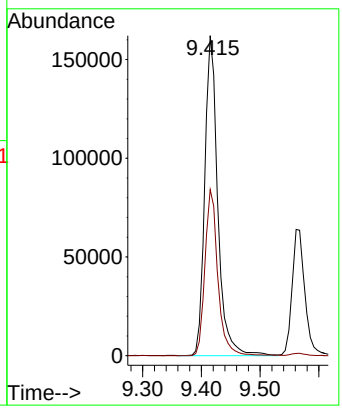


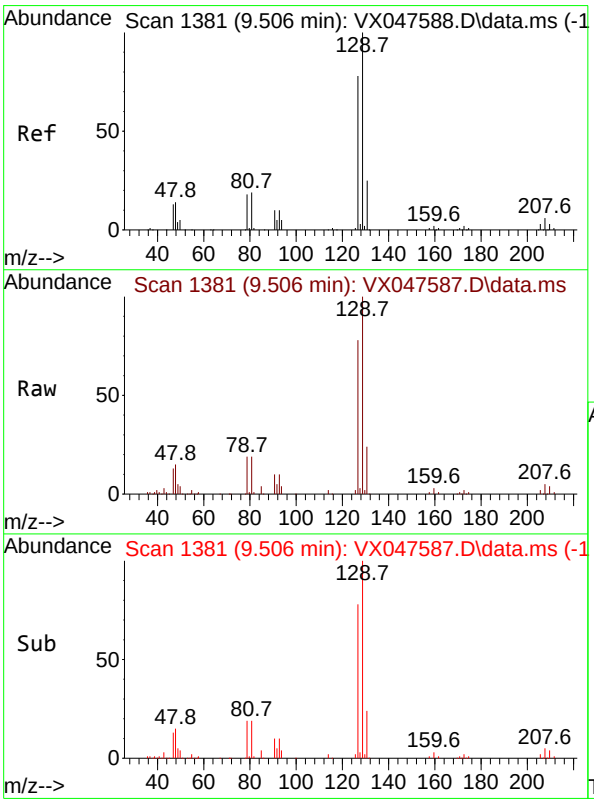
#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 250007

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

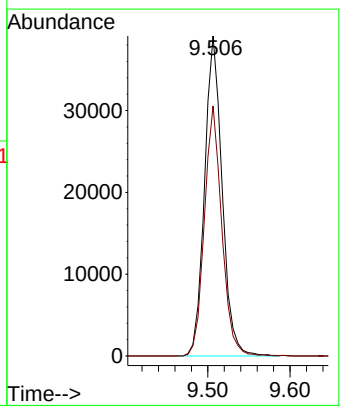


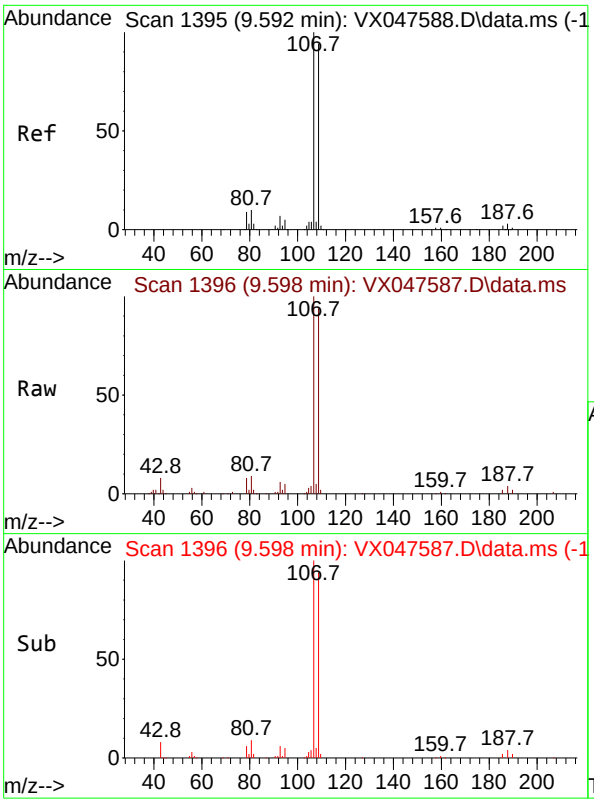


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



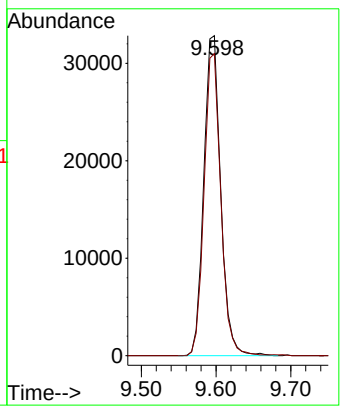


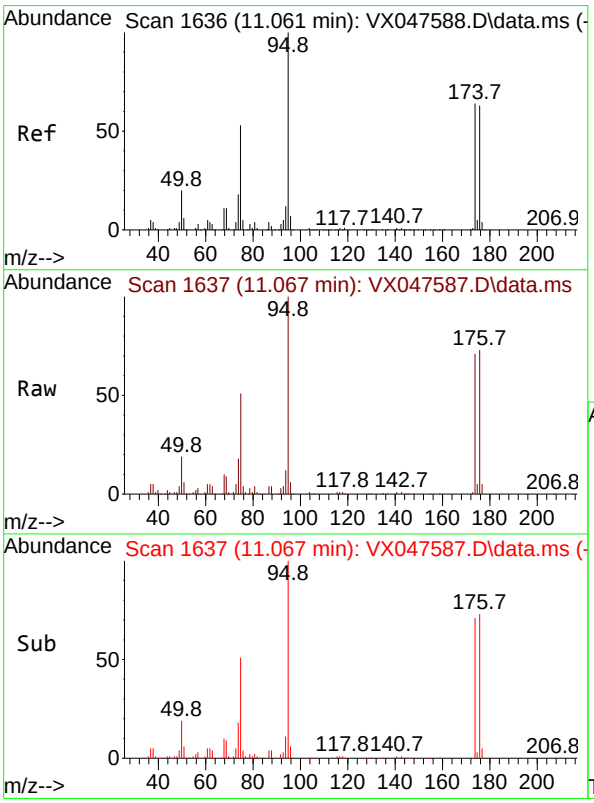
#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 51614

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

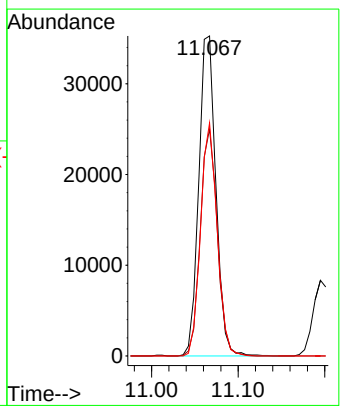


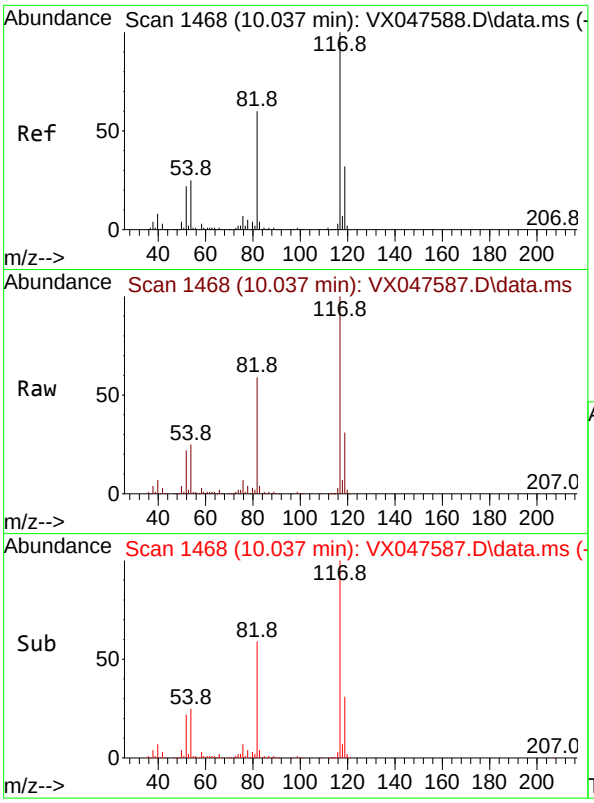


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4



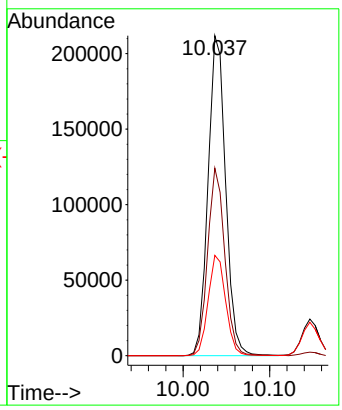


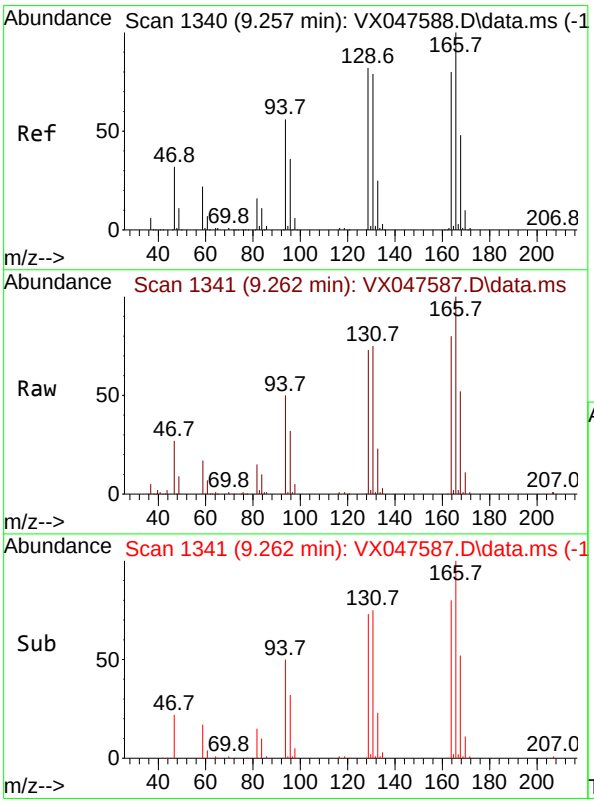
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 298629

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8

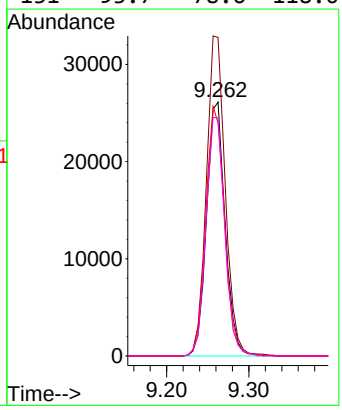


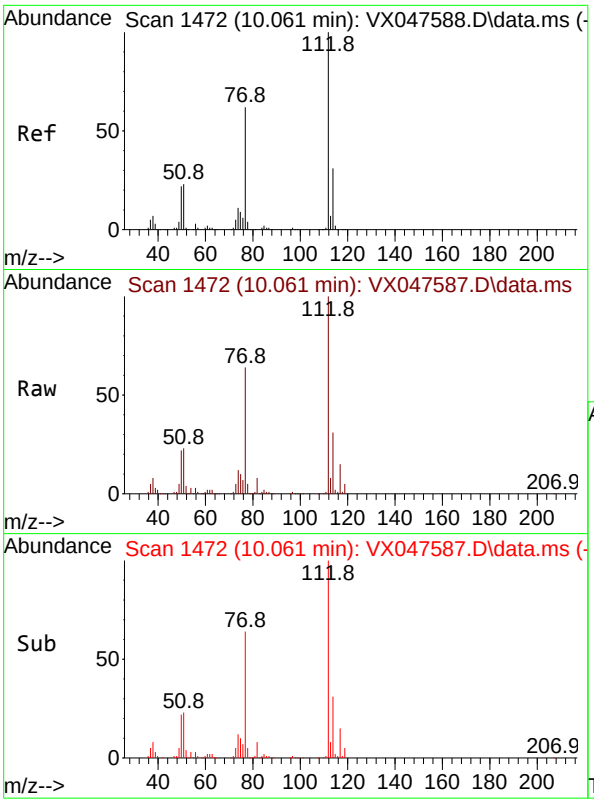


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0



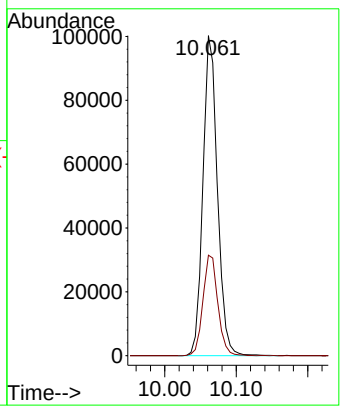


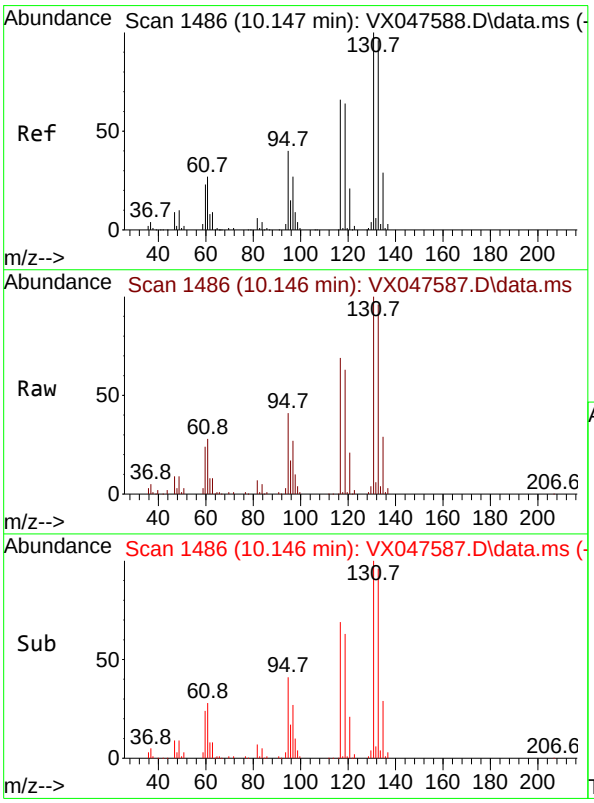
#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 140642

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

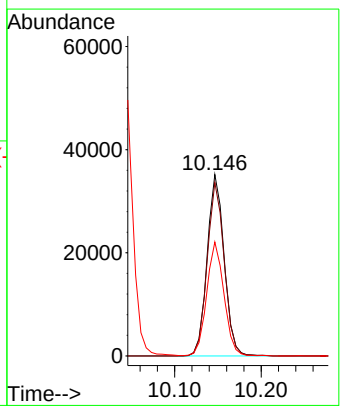


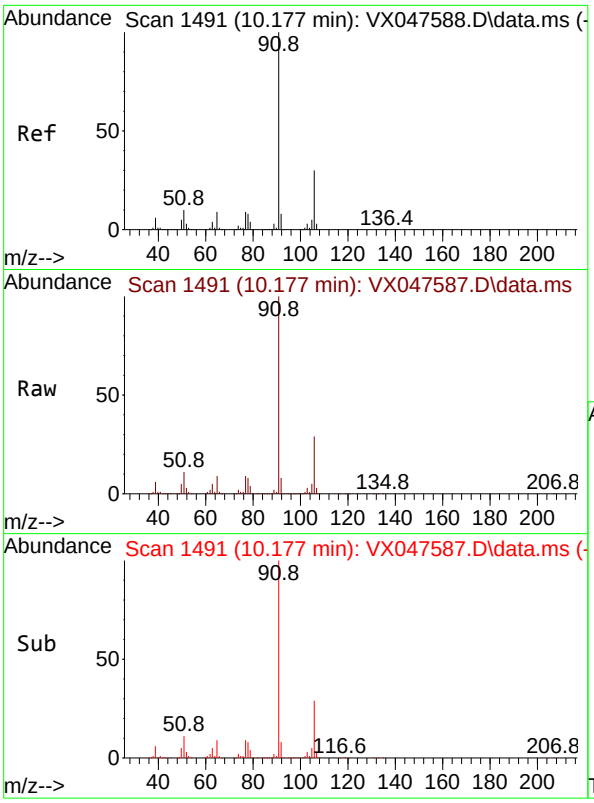


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0



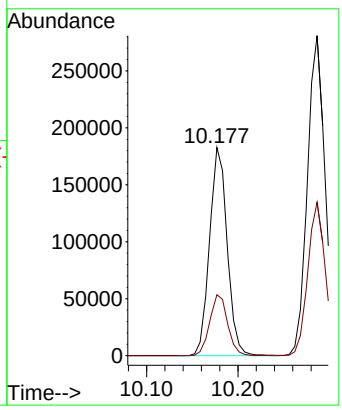


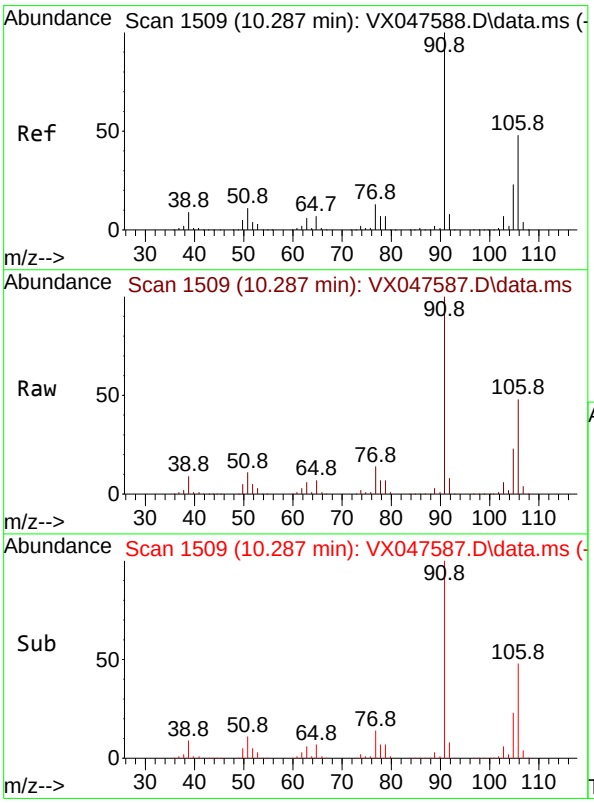
#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 244737

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

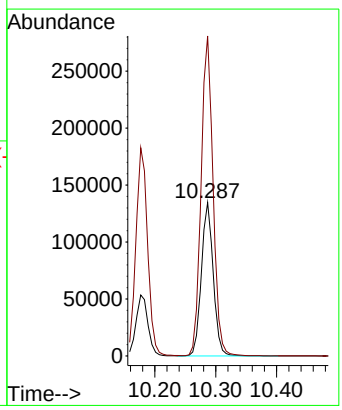


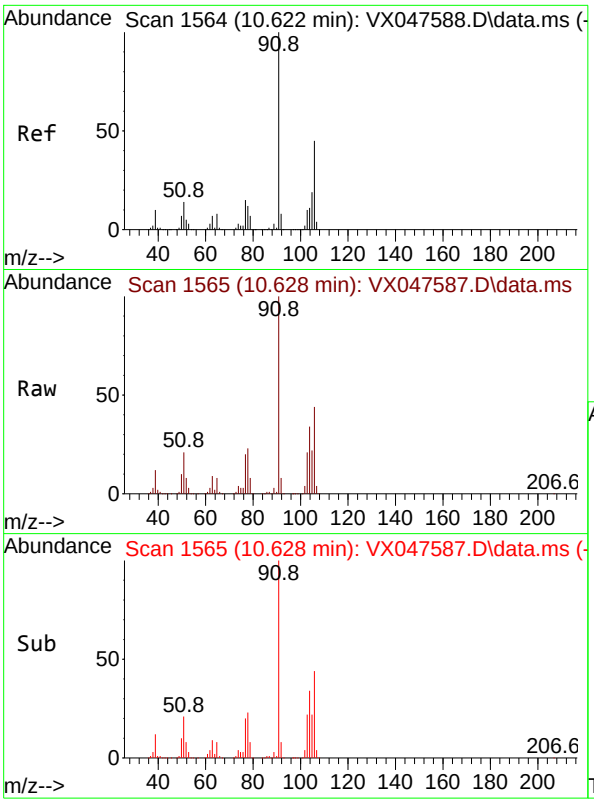


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



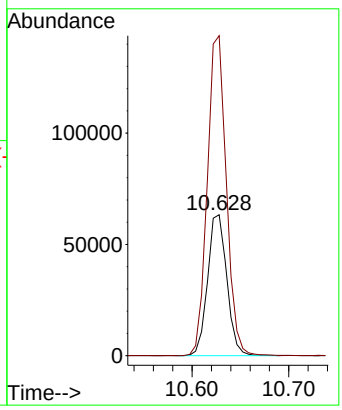


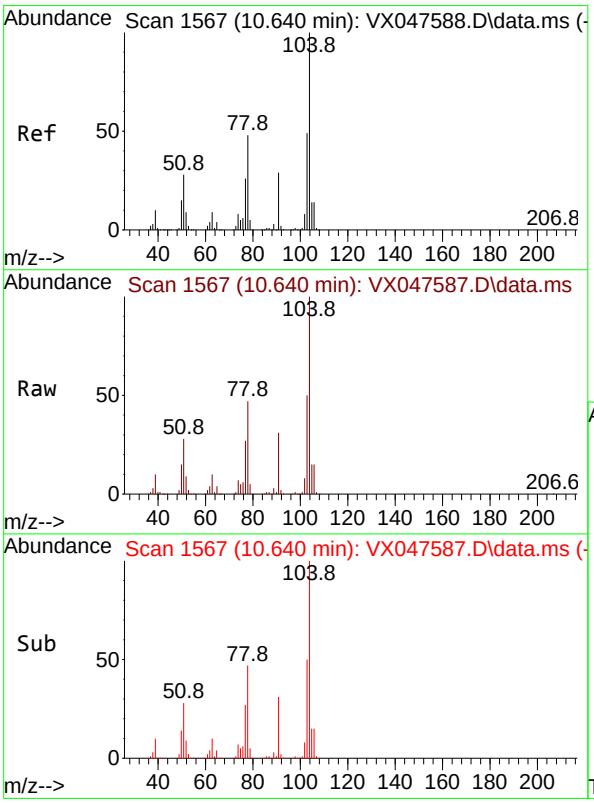
#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 87651

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

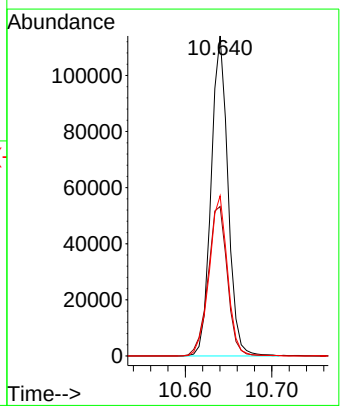


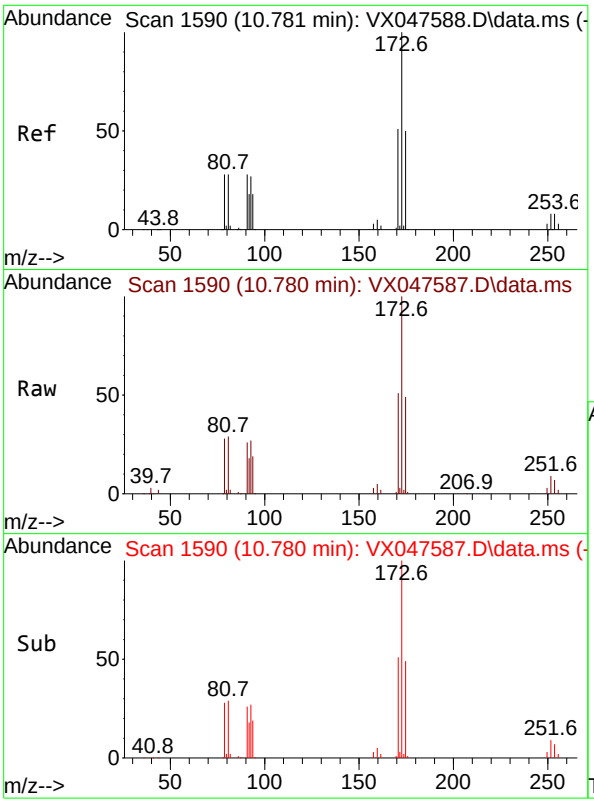


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7



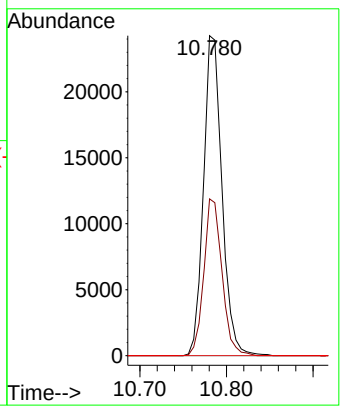


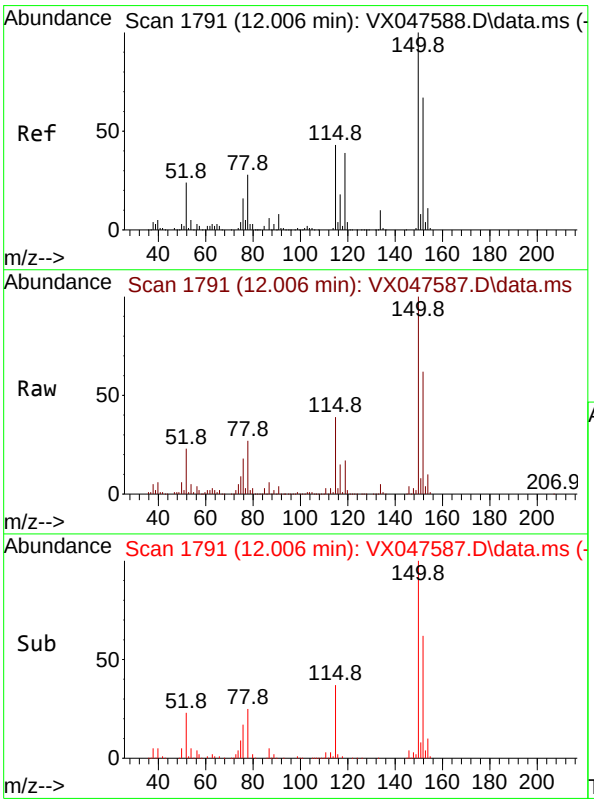
#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 35922

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1#

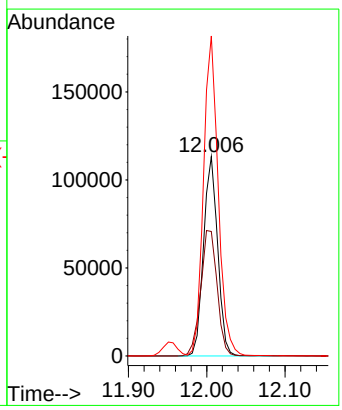


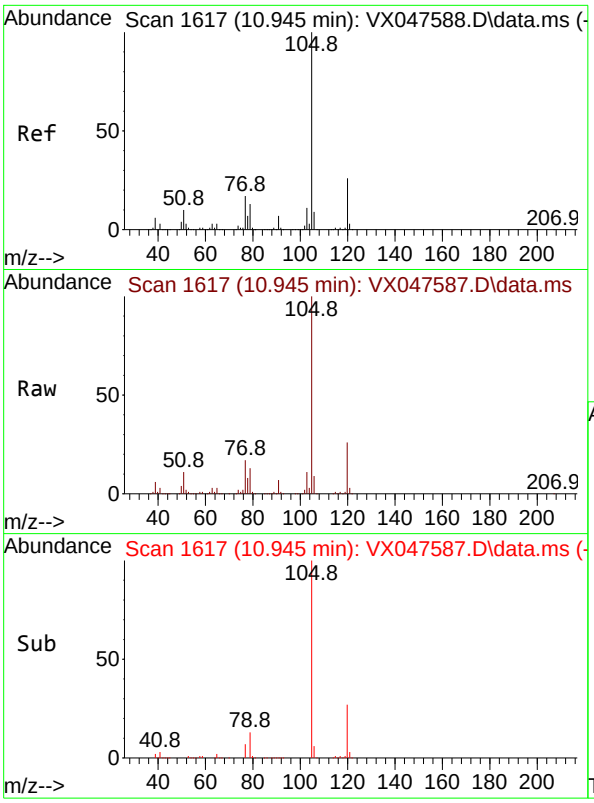


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0



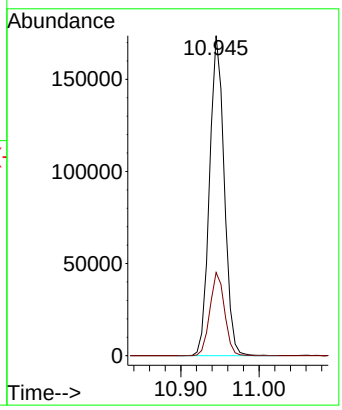


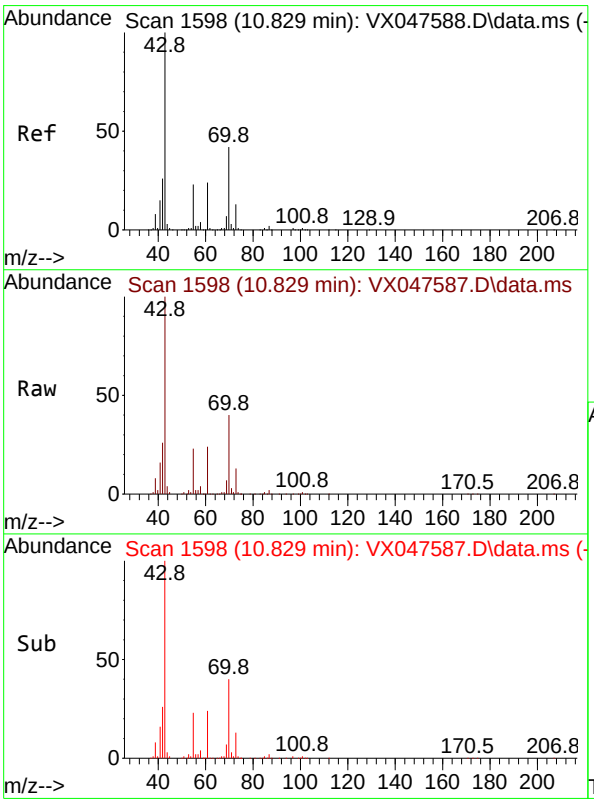
#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 225730

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

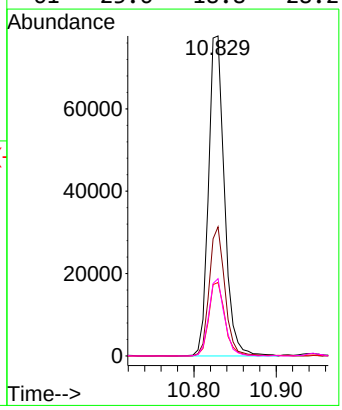


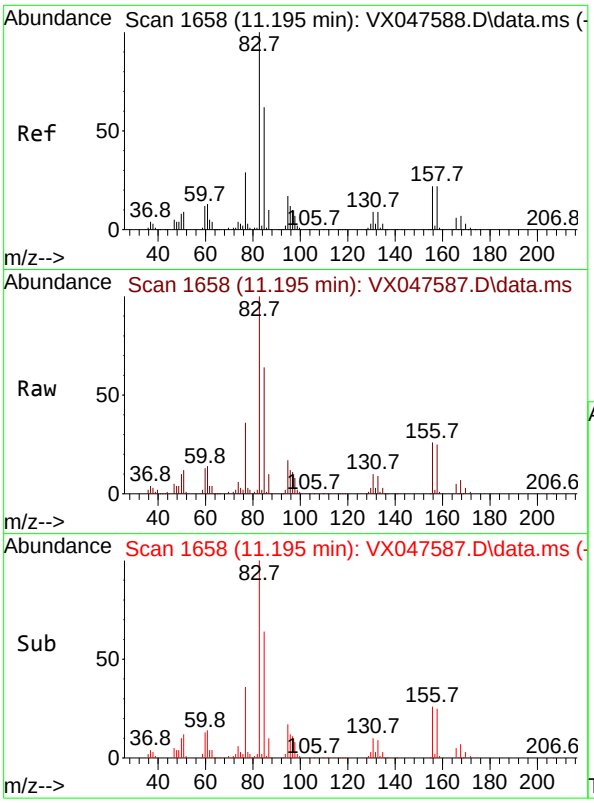


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2



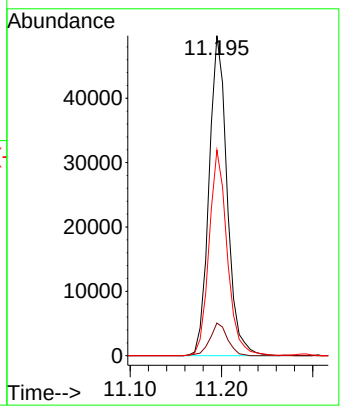


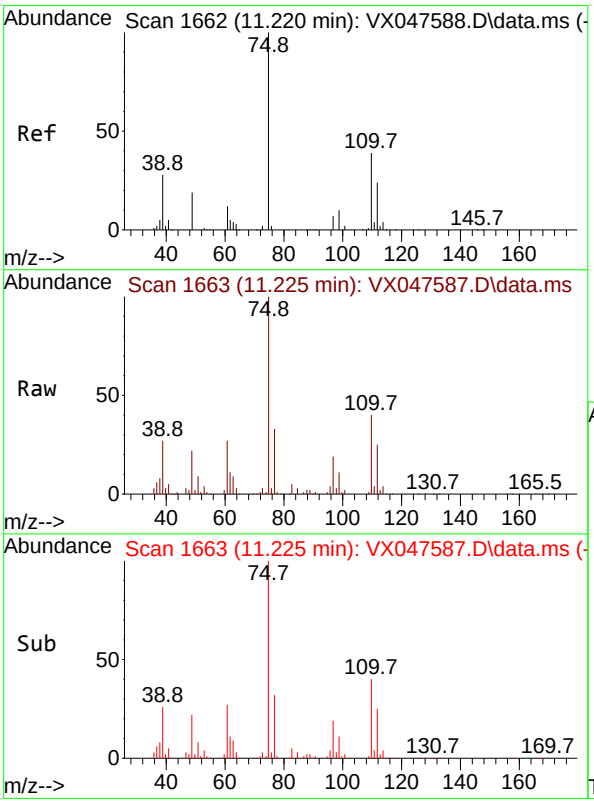
#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68132

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

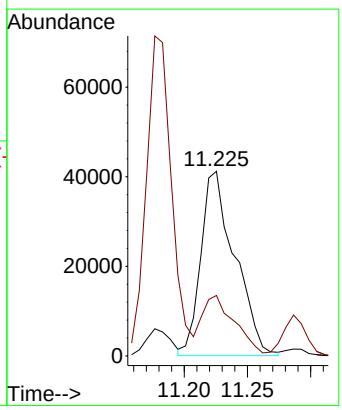


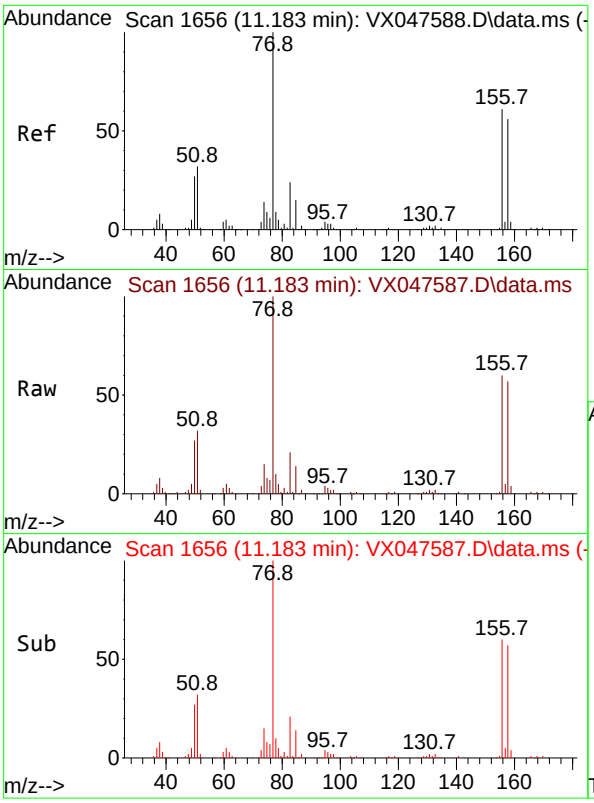


#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 76996

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



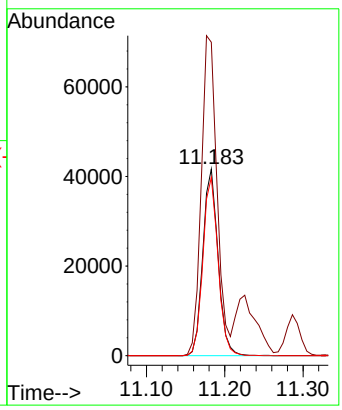


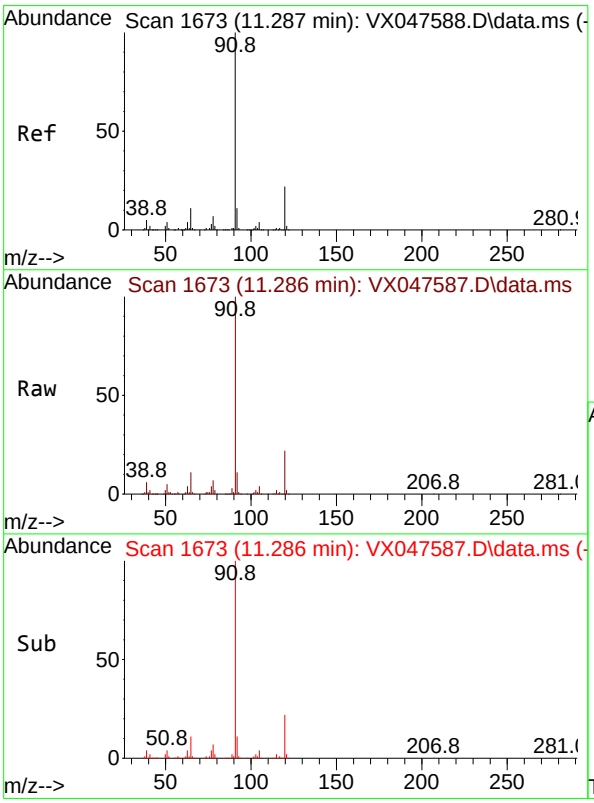
#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 56161

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6

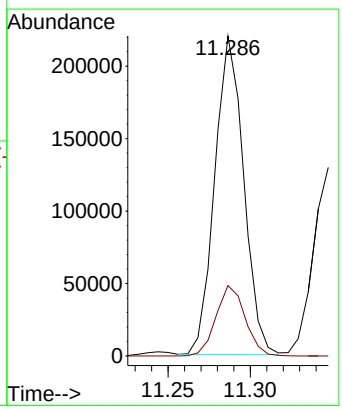


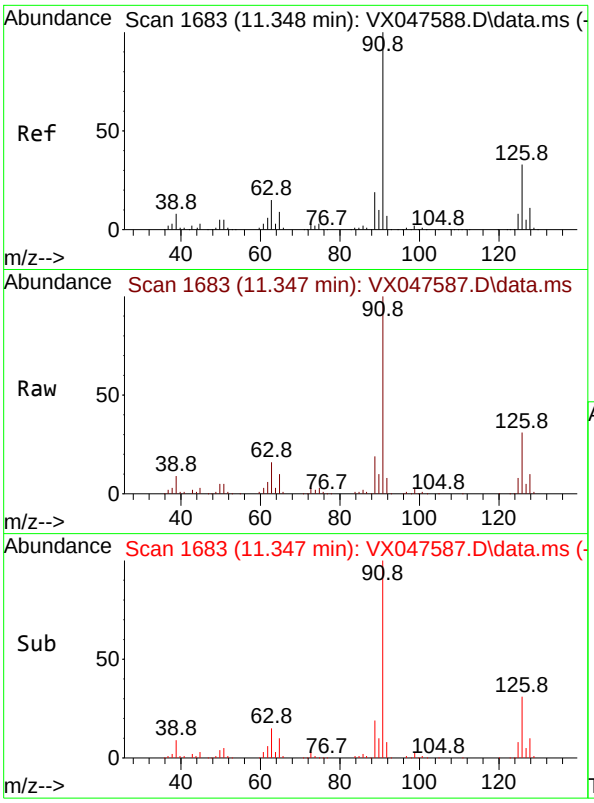


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



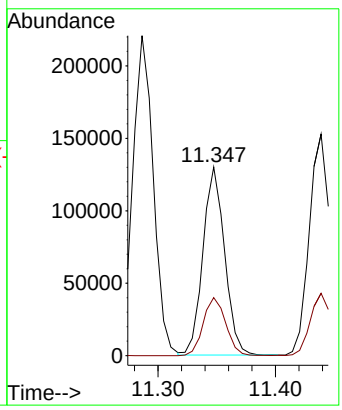


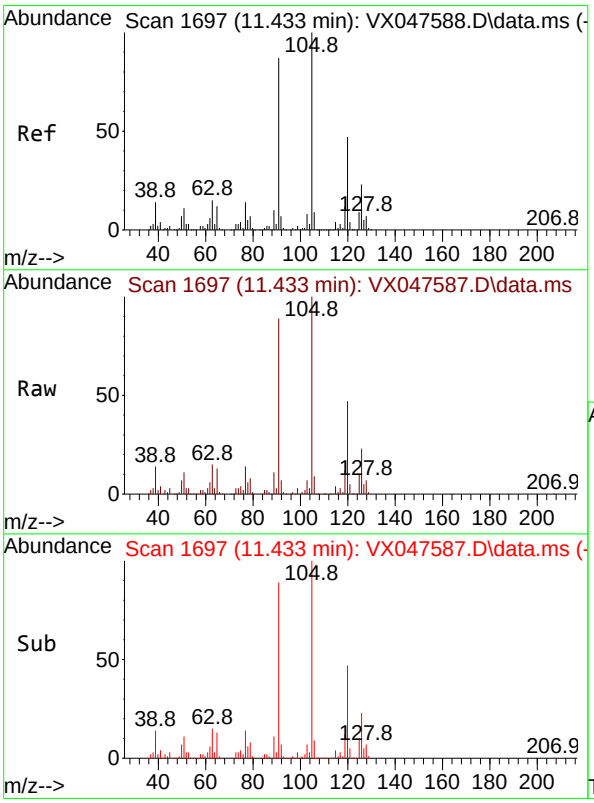
#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166237

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

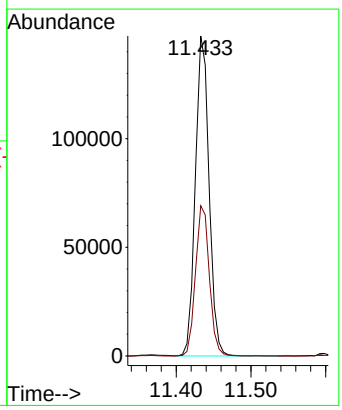


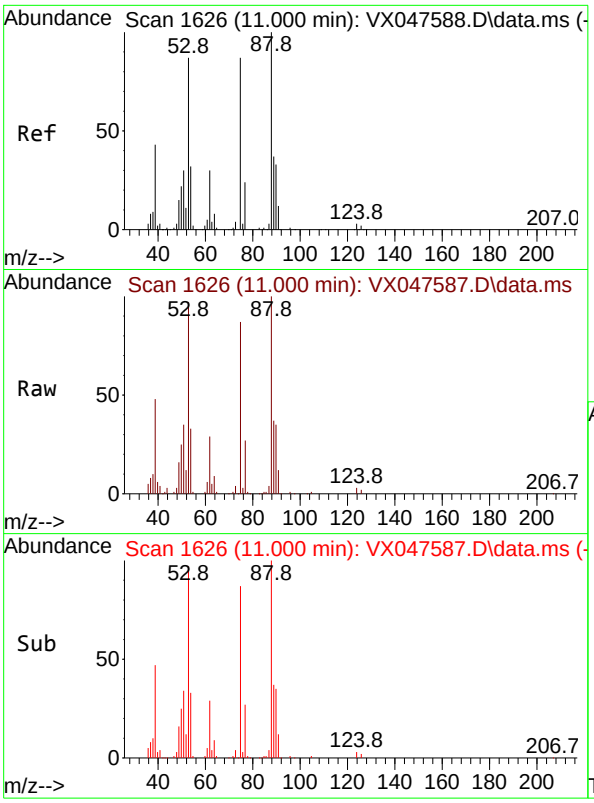


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



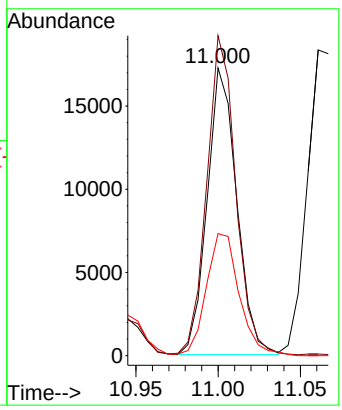


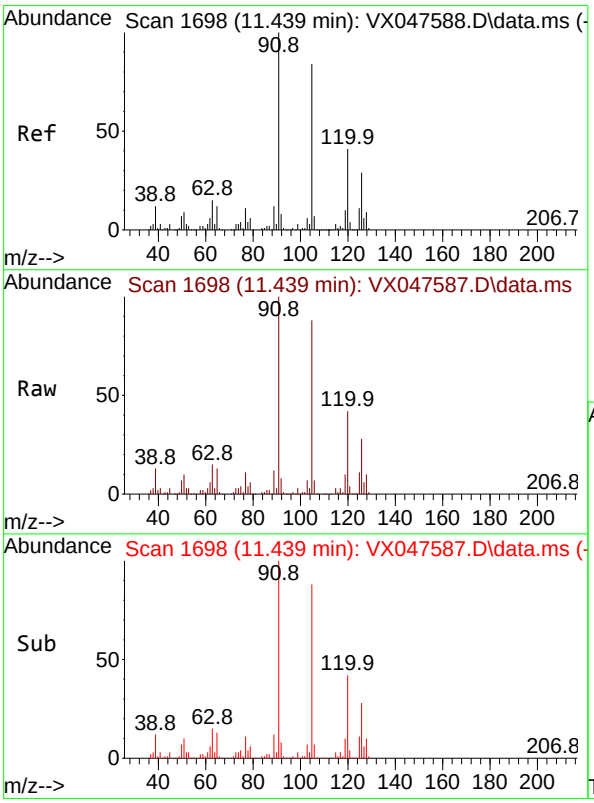
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 21553

Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

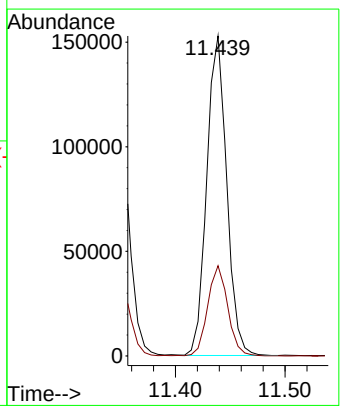


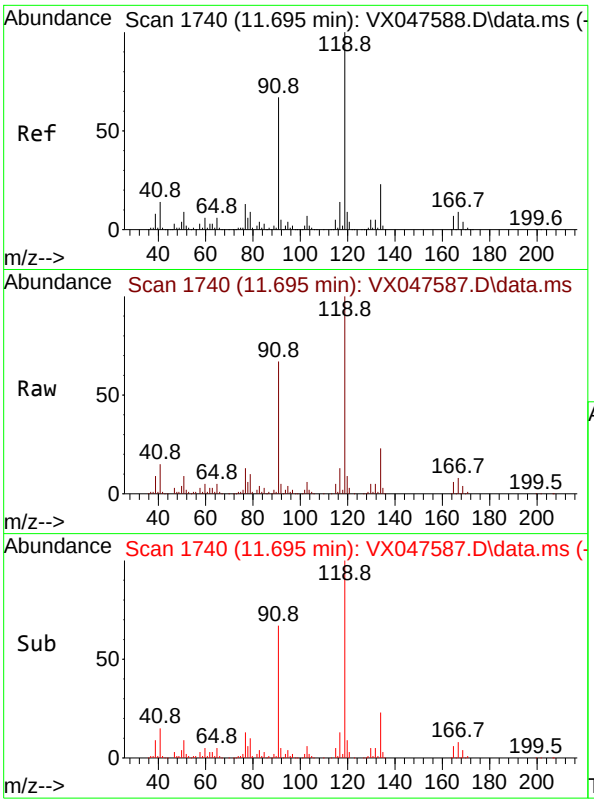


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



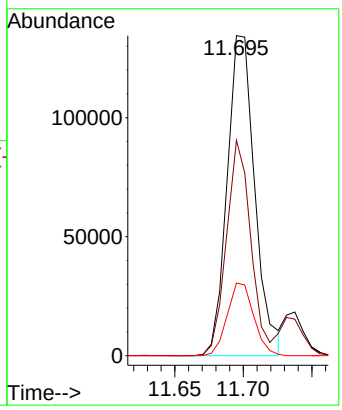


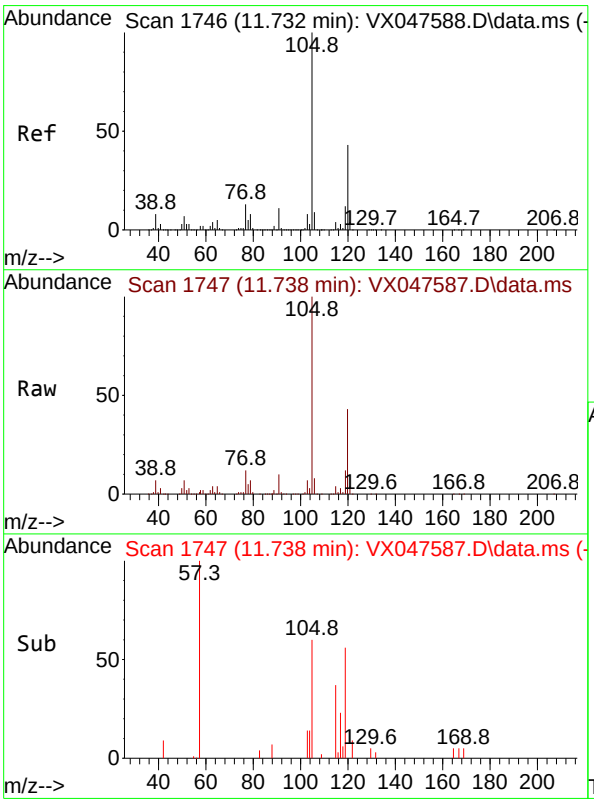
#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 189484

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0

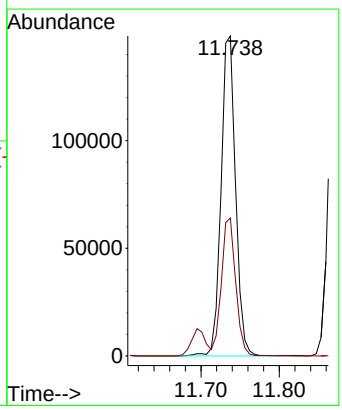


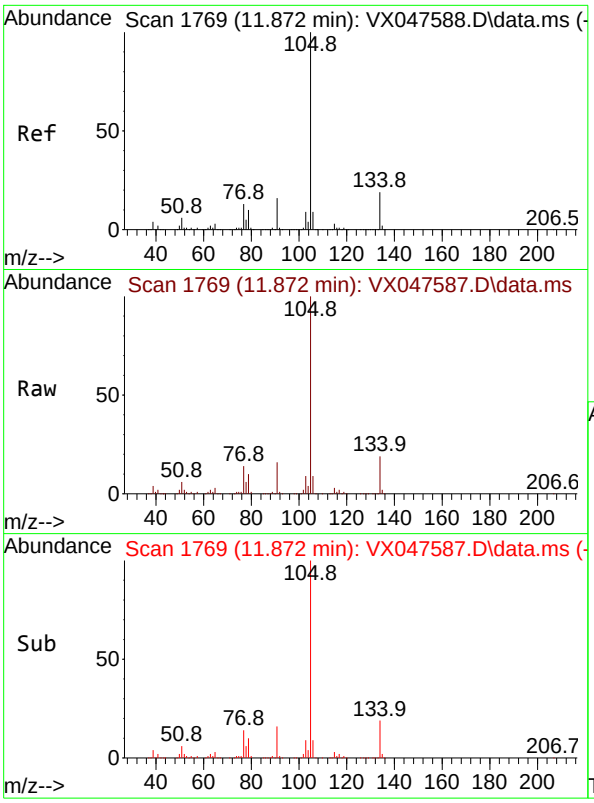


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1



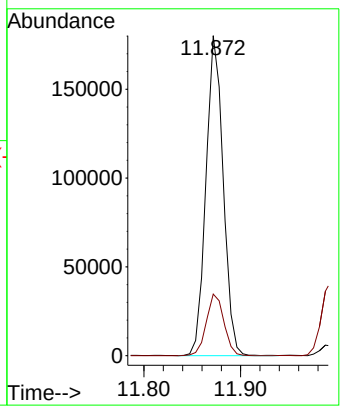


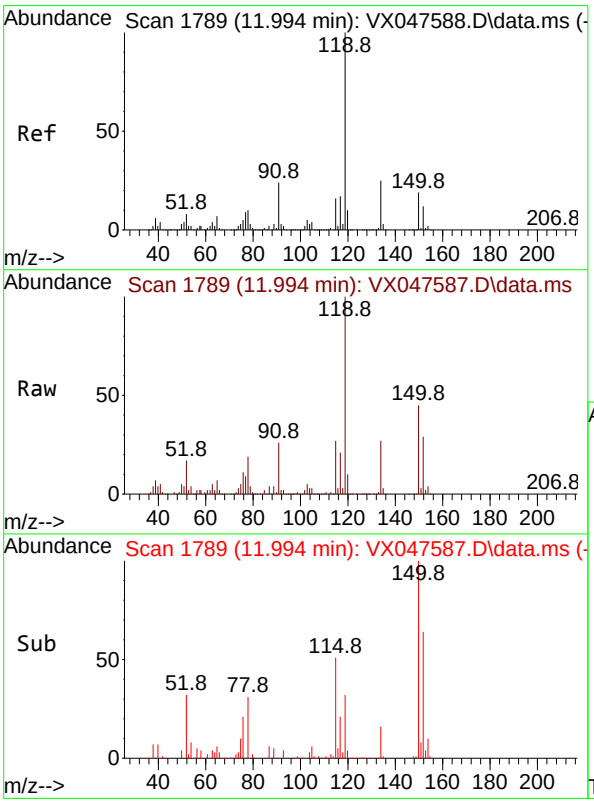
#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 223434

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

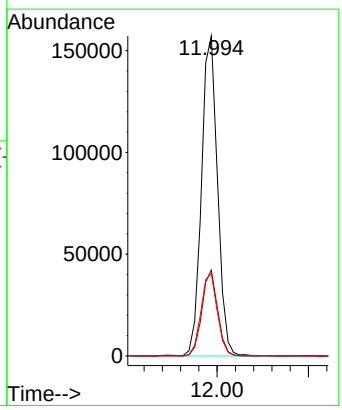


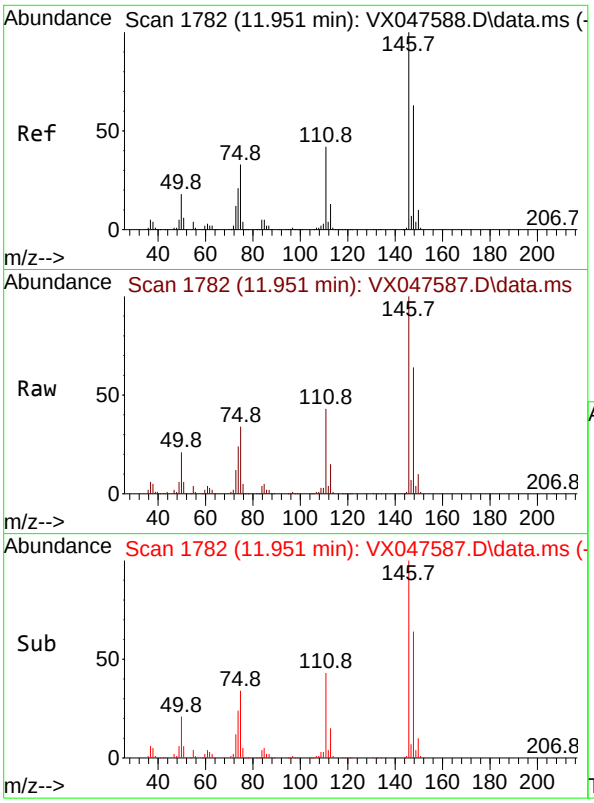


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6



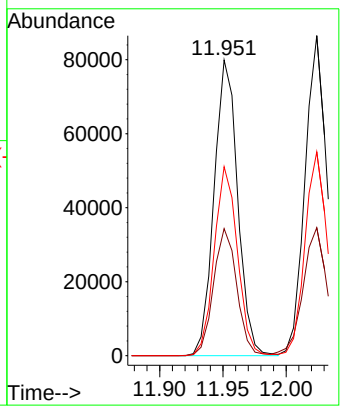


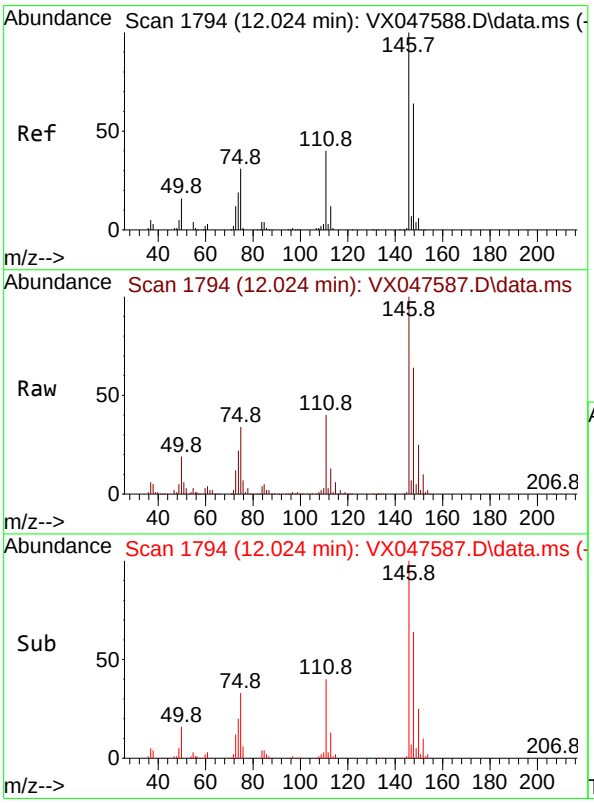
#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 103584

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0

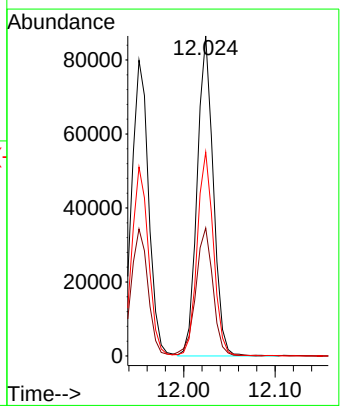


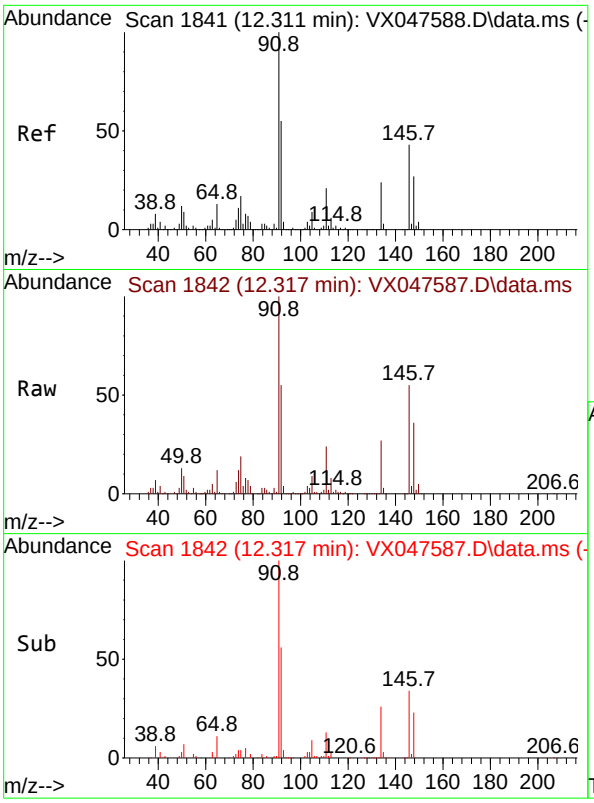


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1



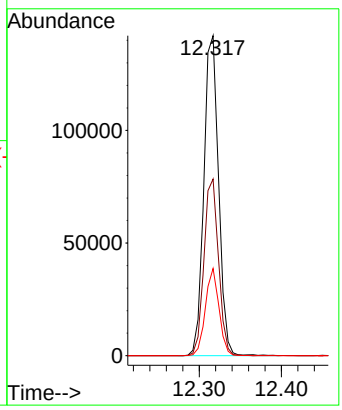


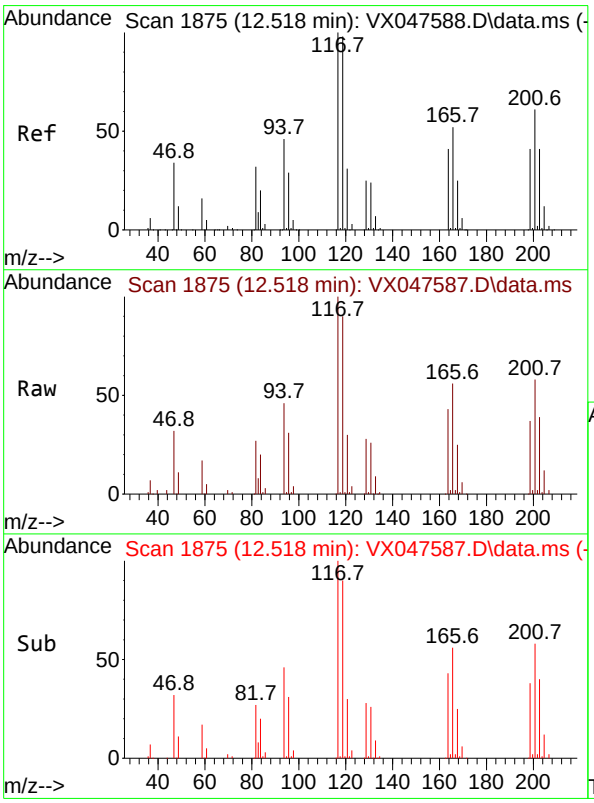
#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 176373

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8

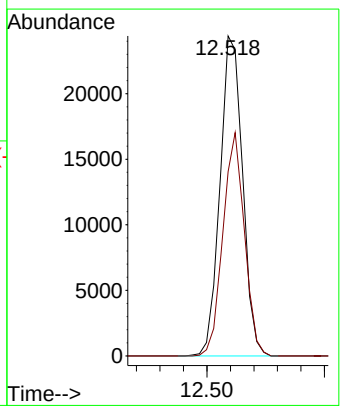


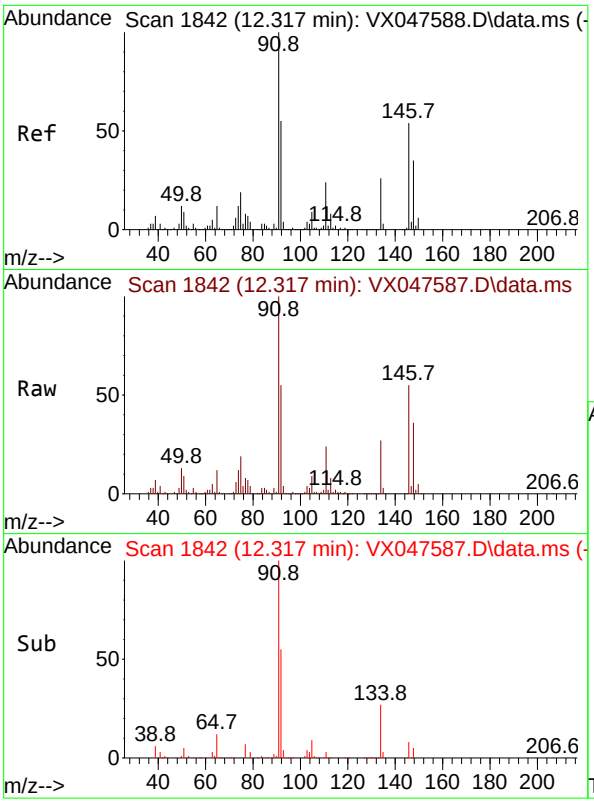


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



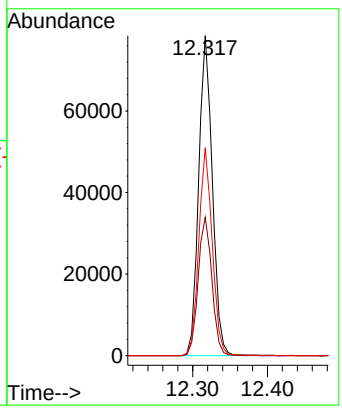


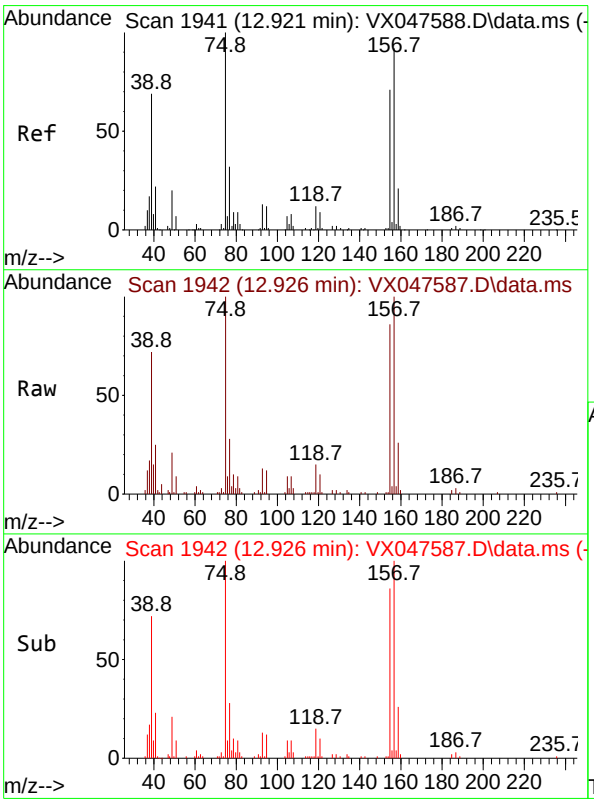
#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 99493

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4

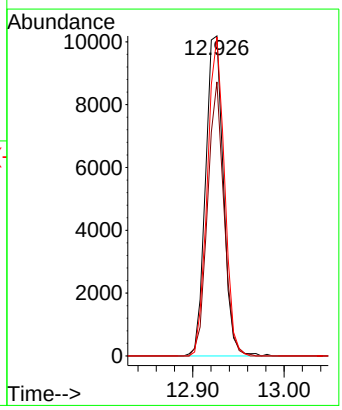


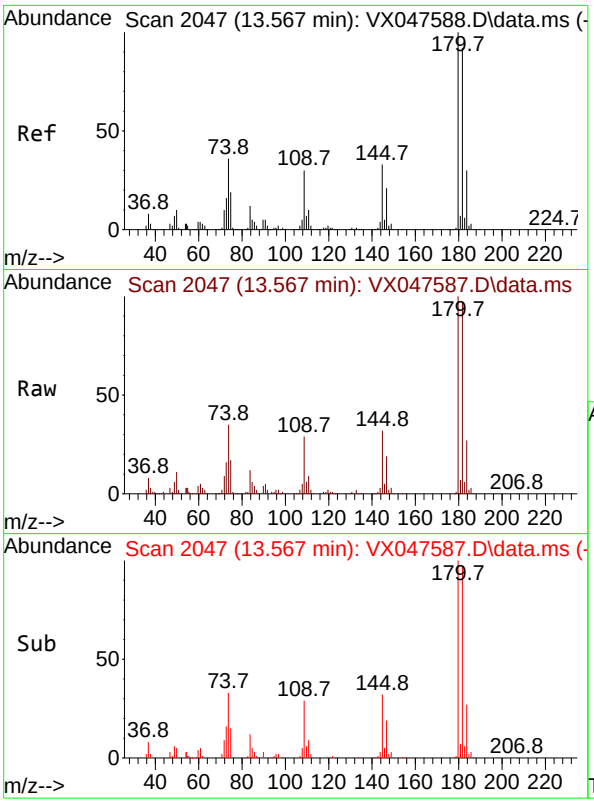


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4



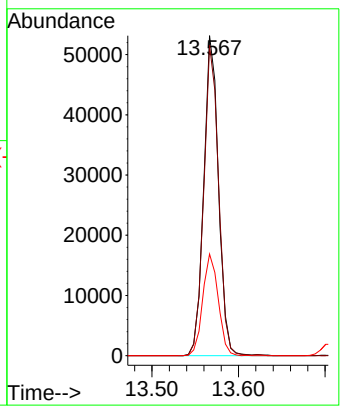


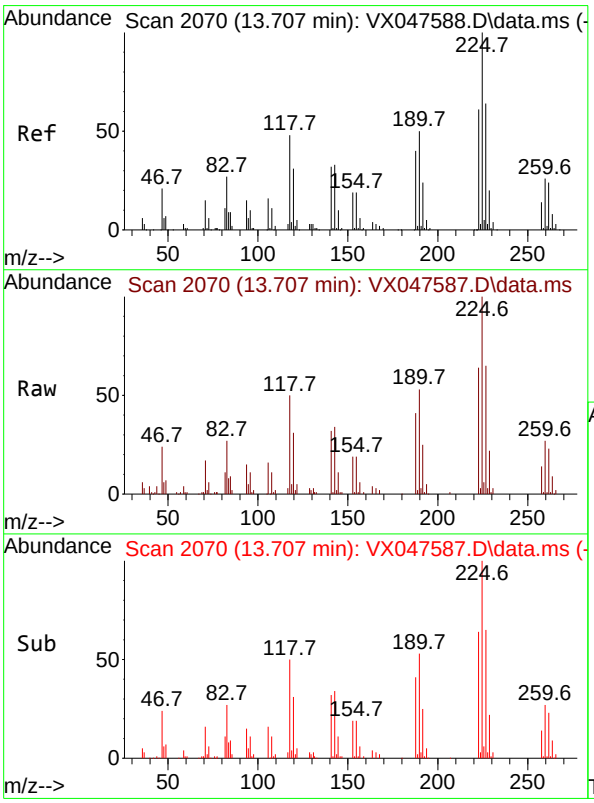
#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 62722

Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

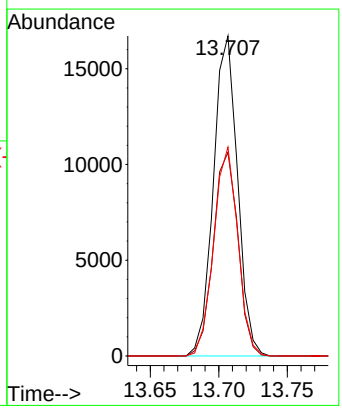


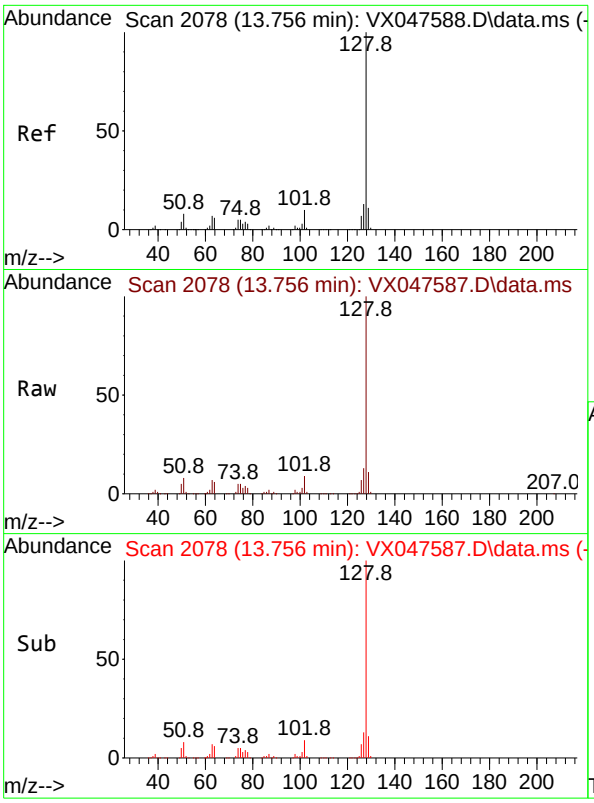


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0



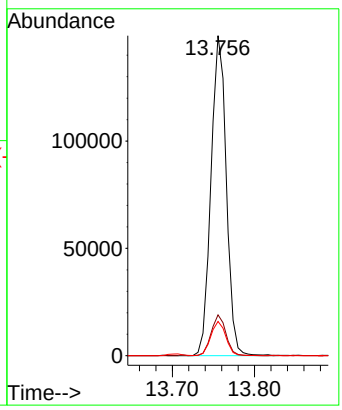


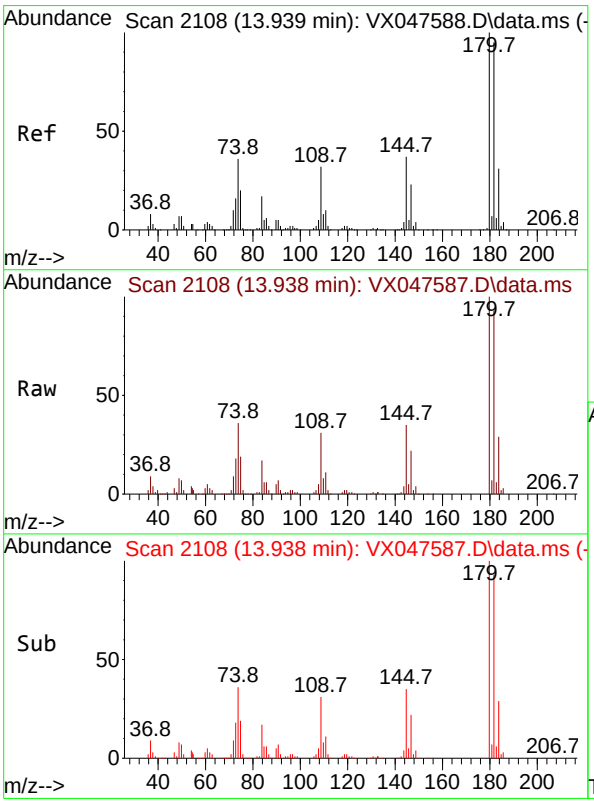
#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 193134

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2

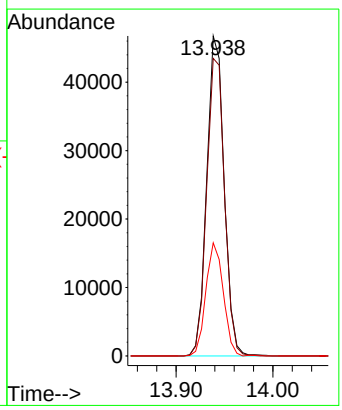




#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.800%			
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	178309	68.947	ug/l		88
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

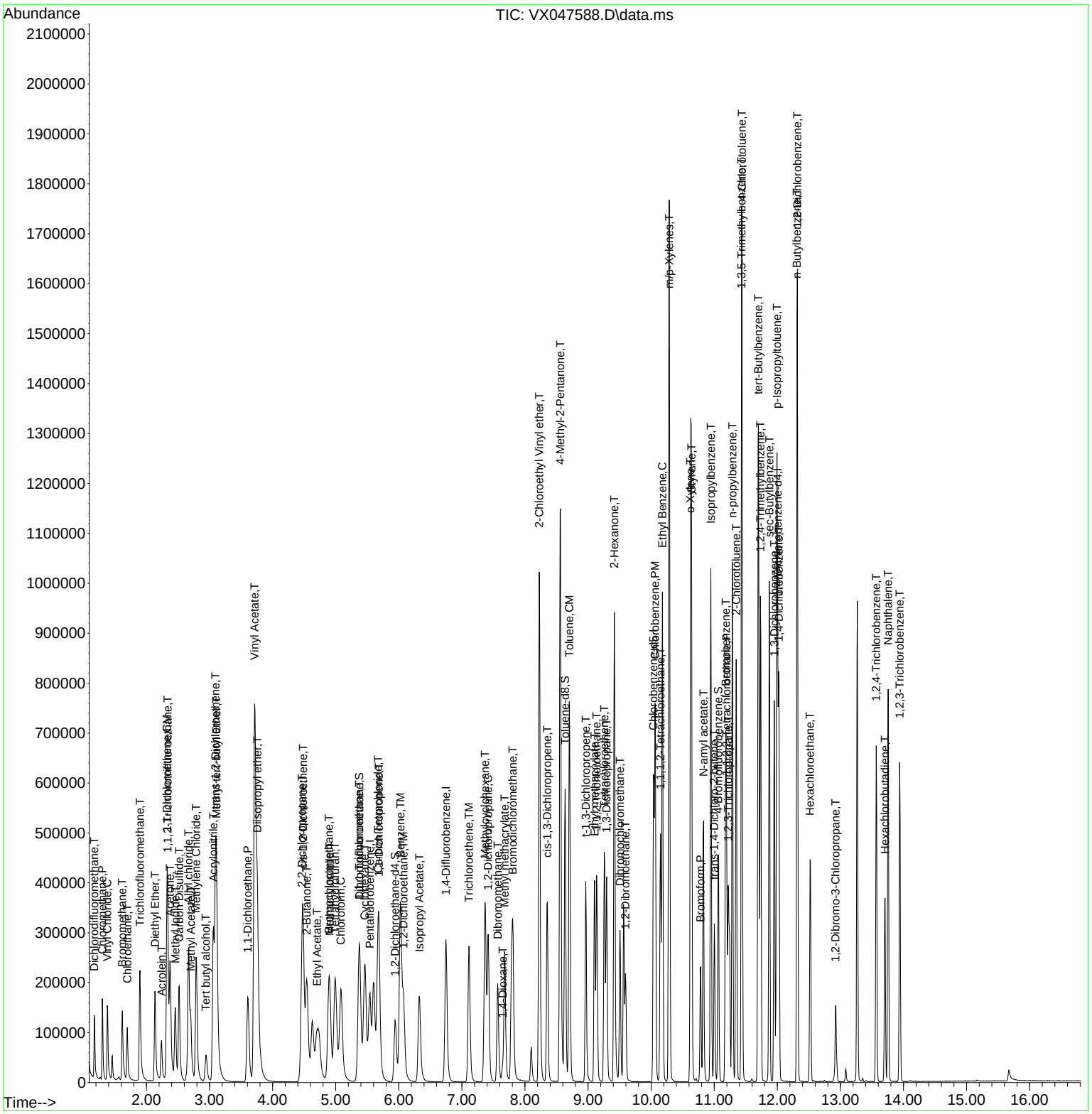
(#) = qualifier out of range (m) = manual integration (+) = signals summed

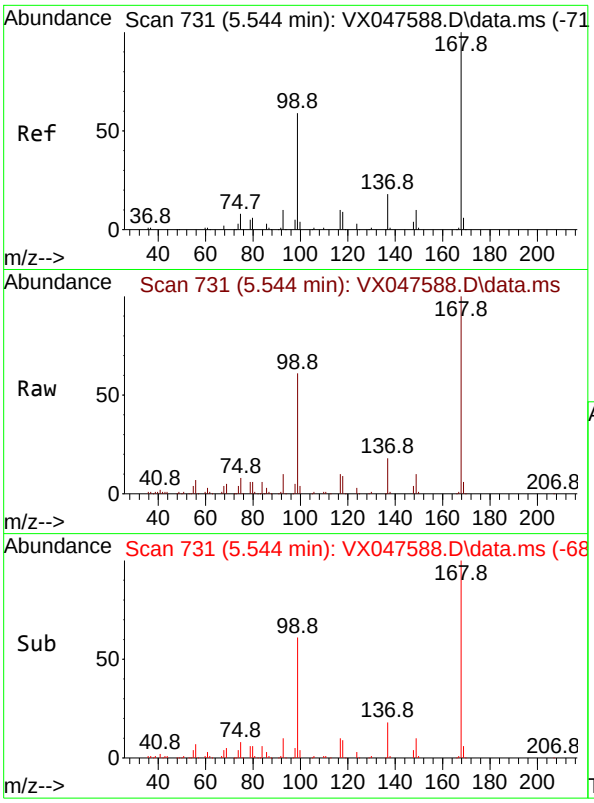
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



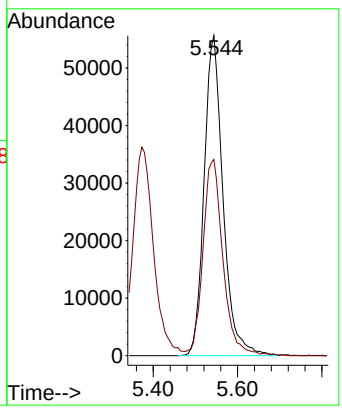


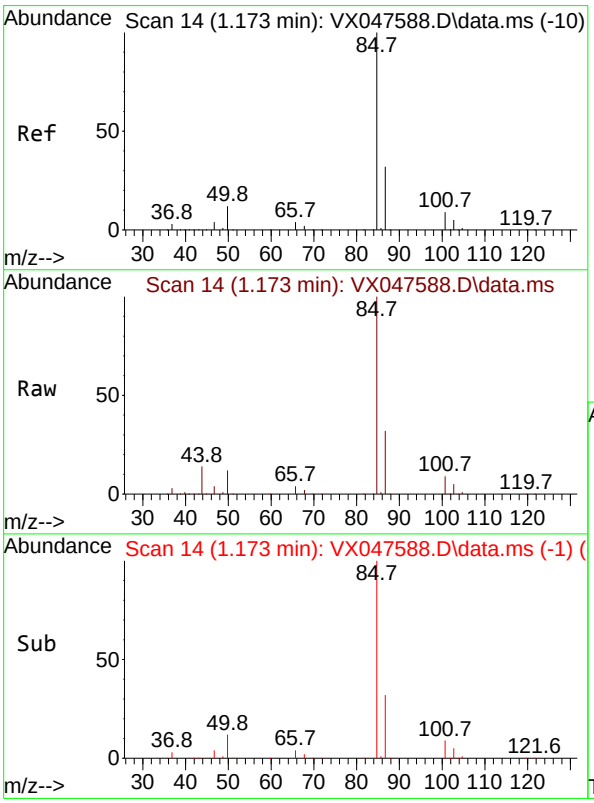
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 173407

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

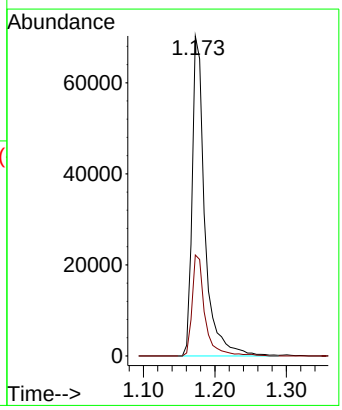


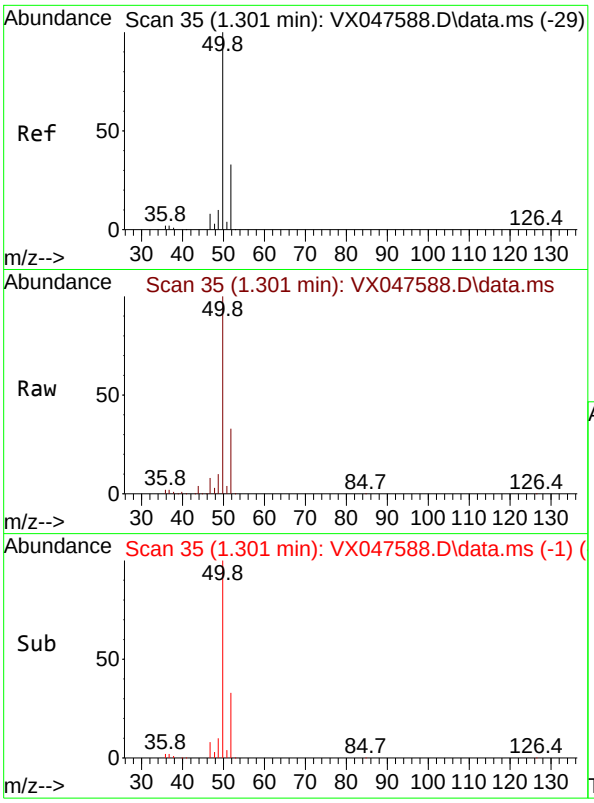


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



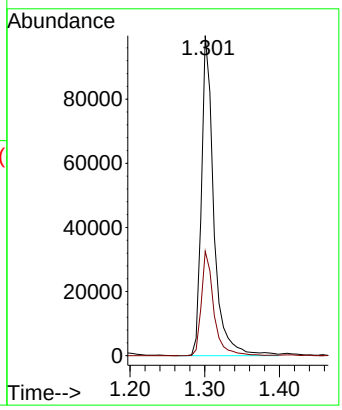


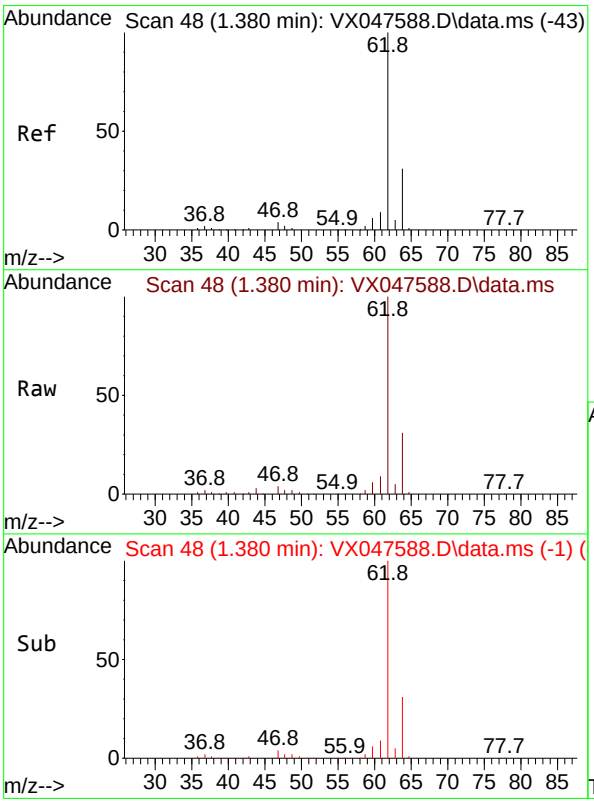
#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 114682

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

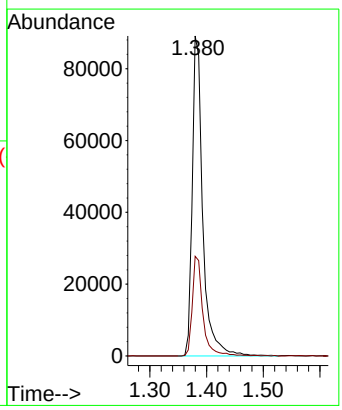


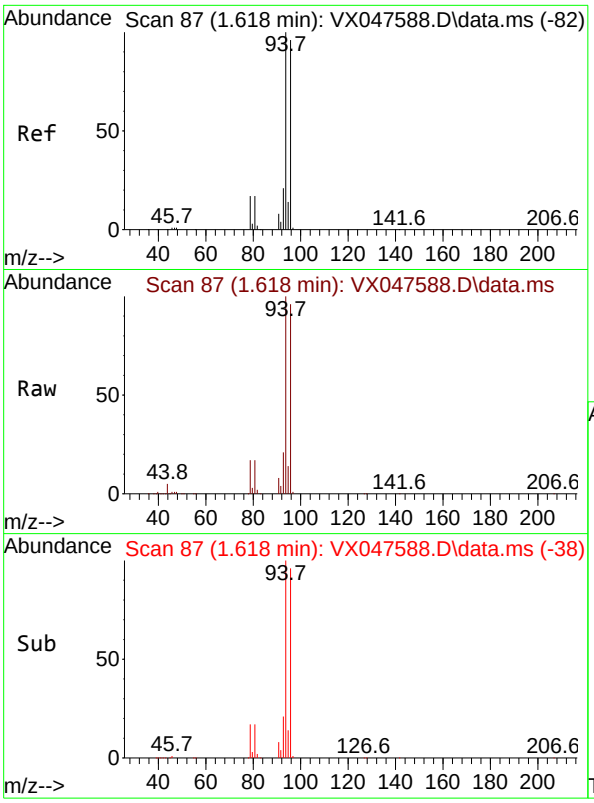


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



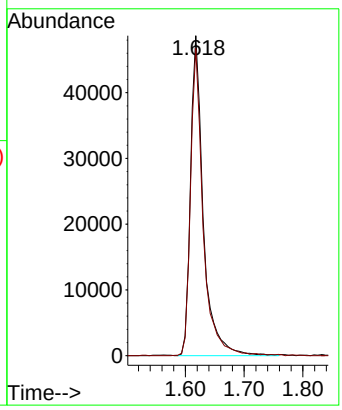


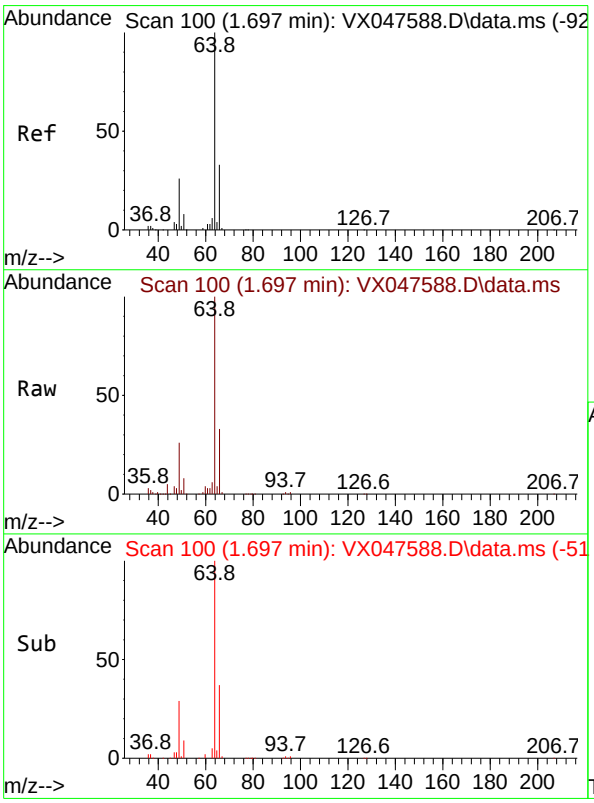
#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73561

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

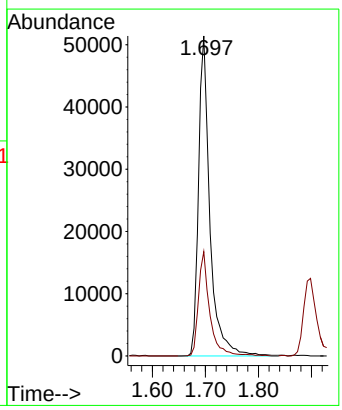


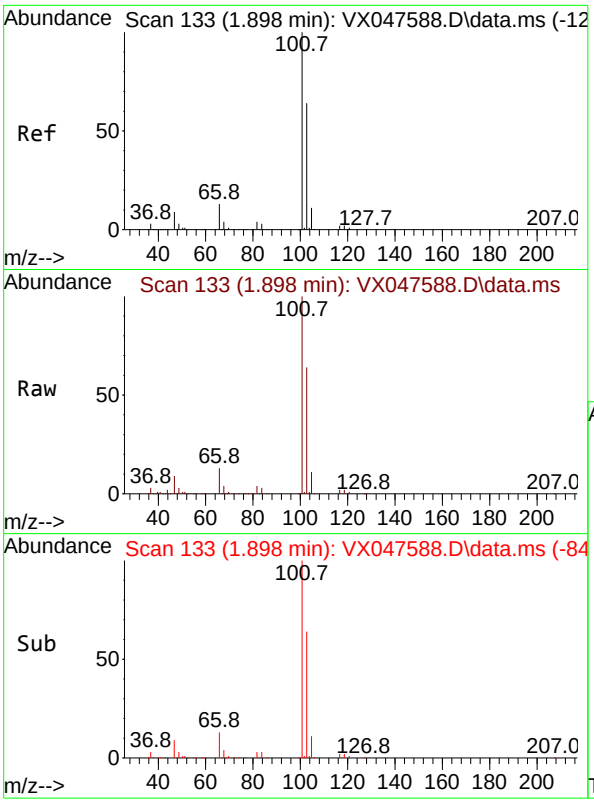


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1



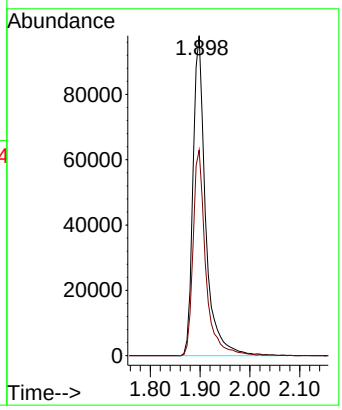


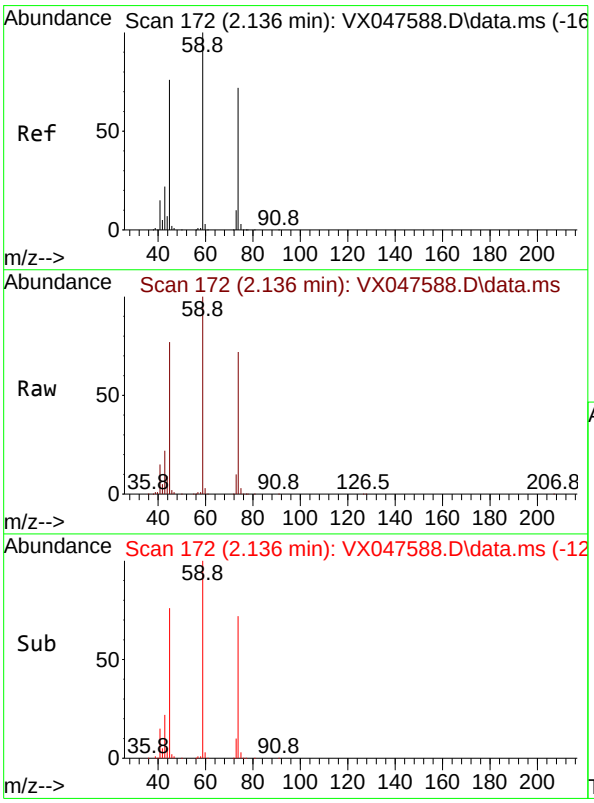
#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172561

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

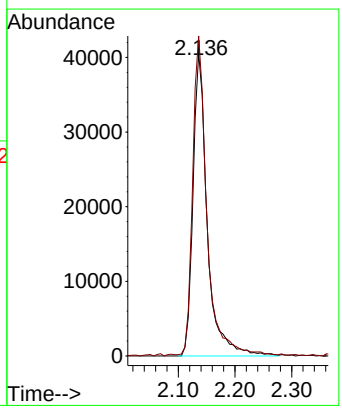


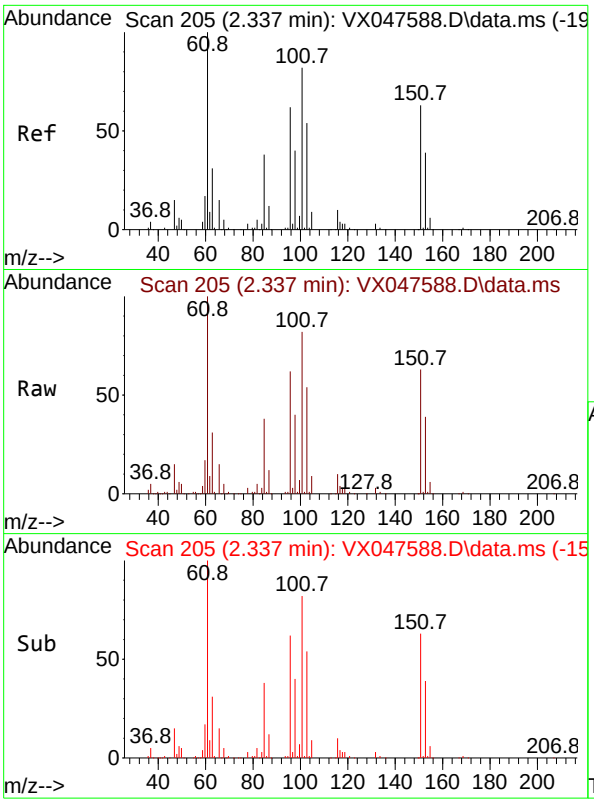


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8



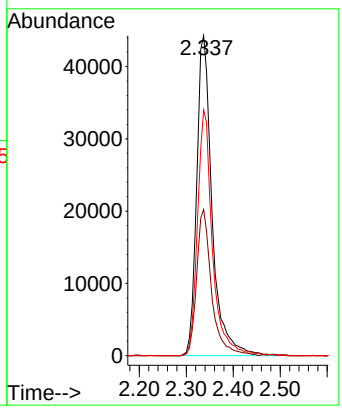


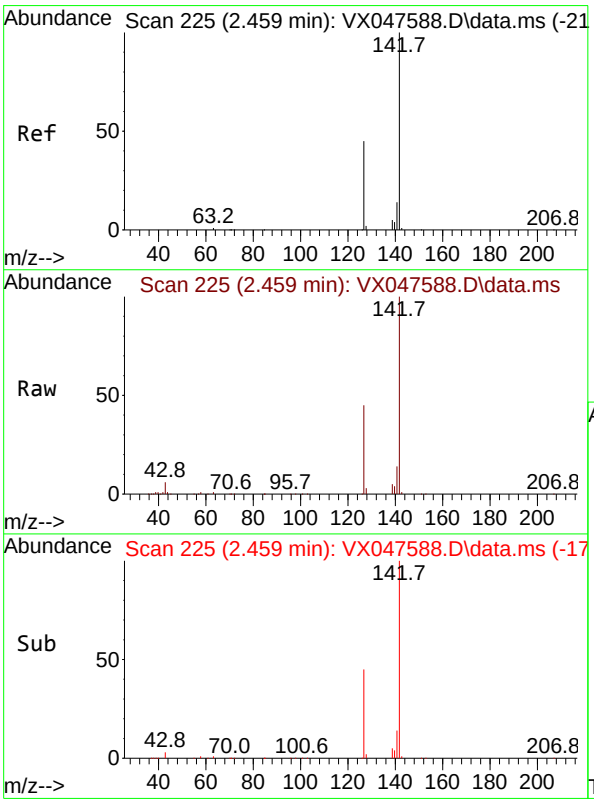
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 101178

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0

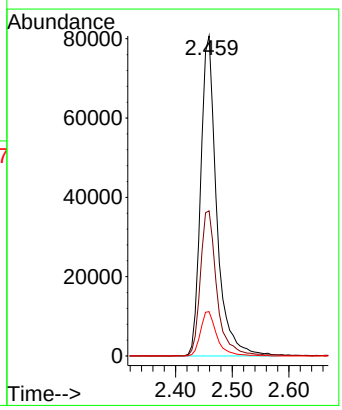


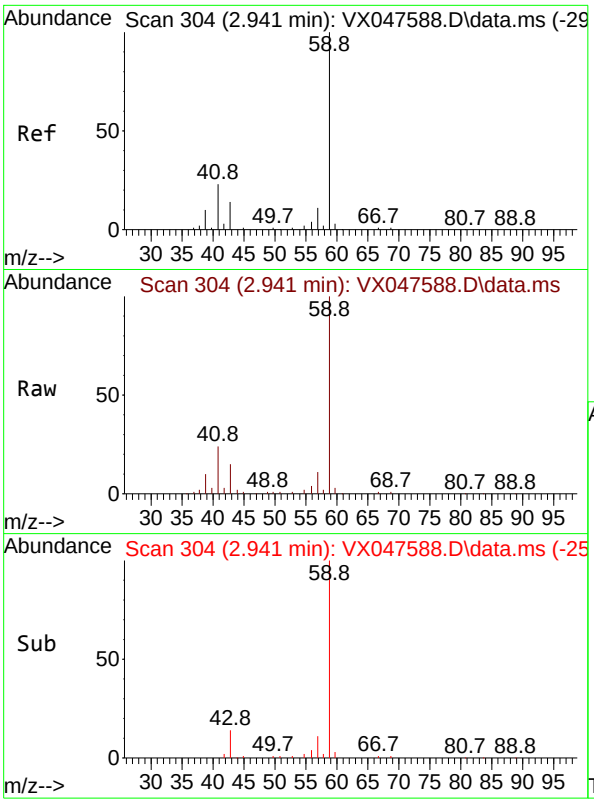


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0



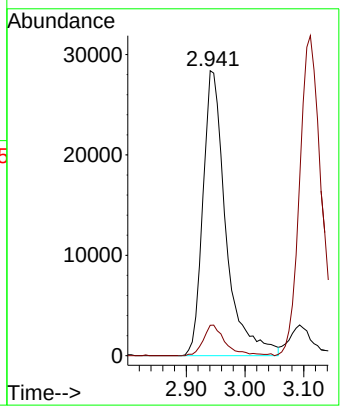


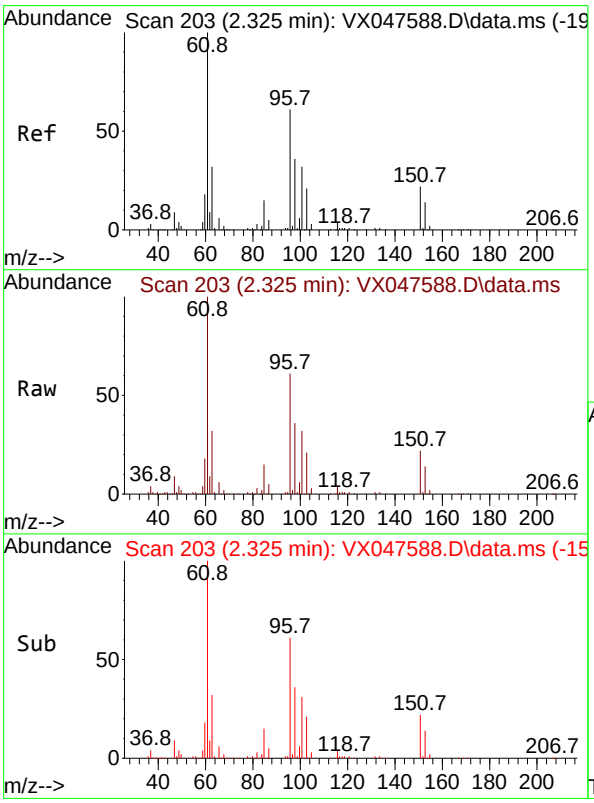
#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 77232

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

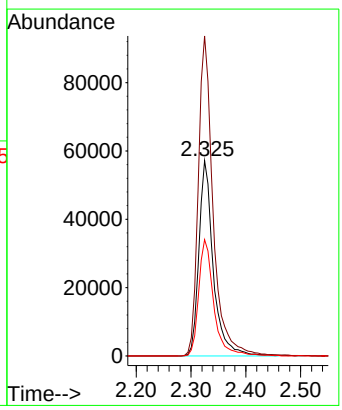


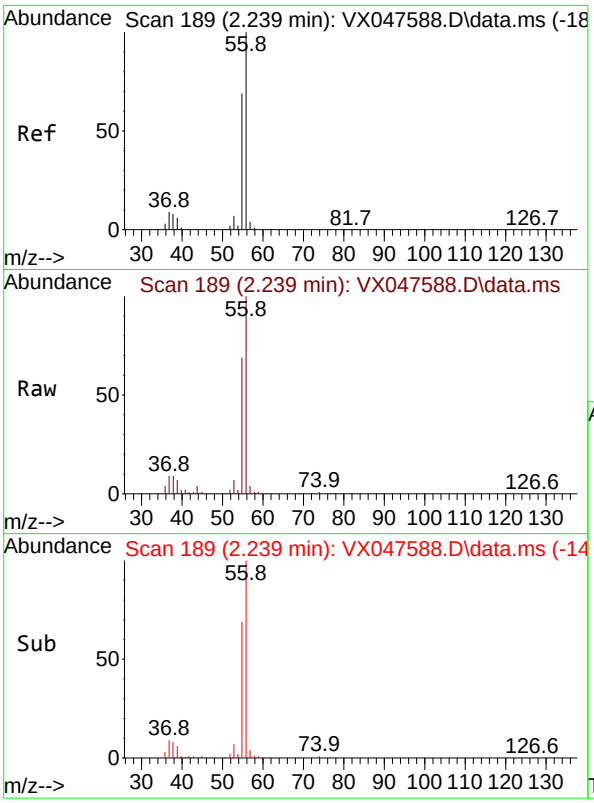


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5



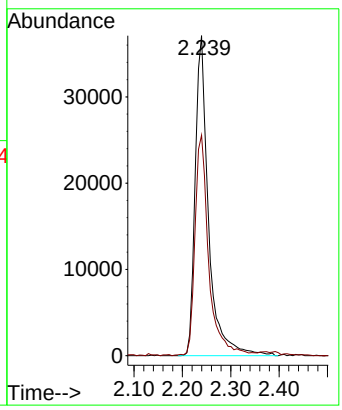


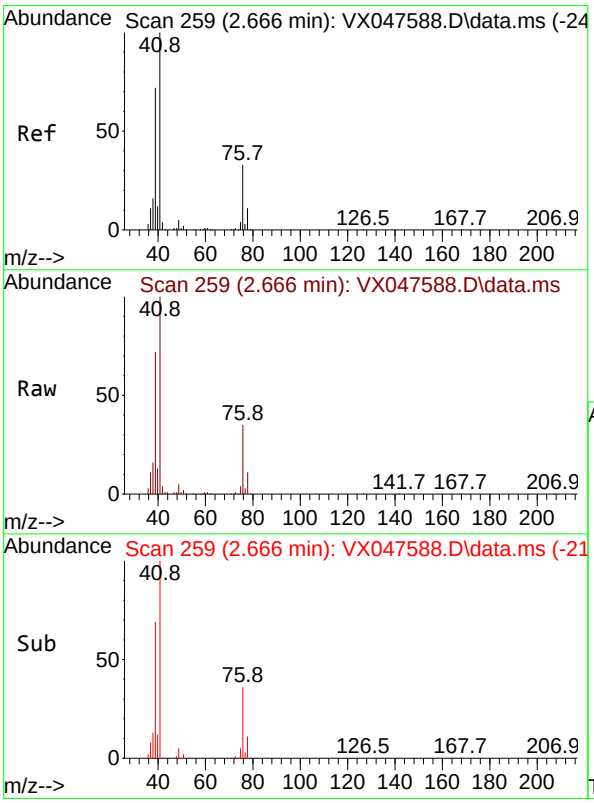
#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 70721

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

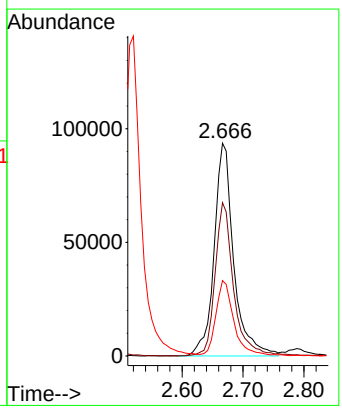


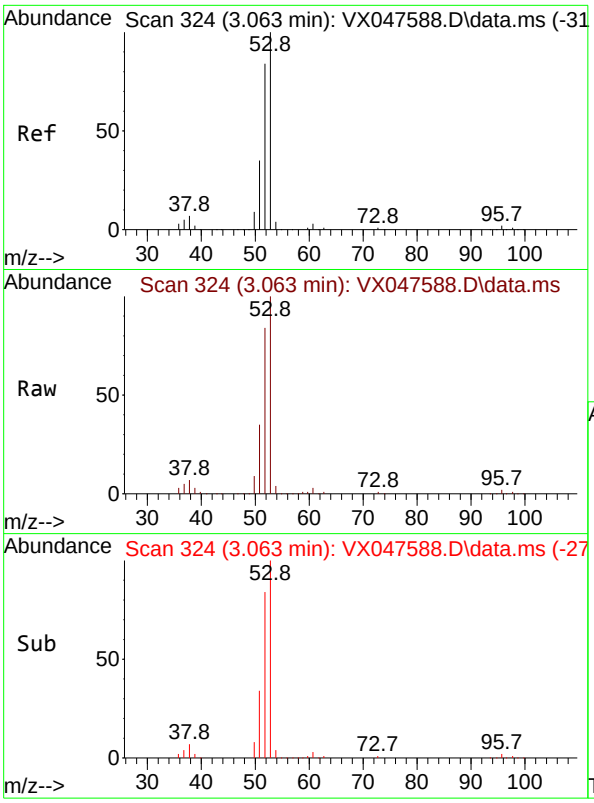


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5



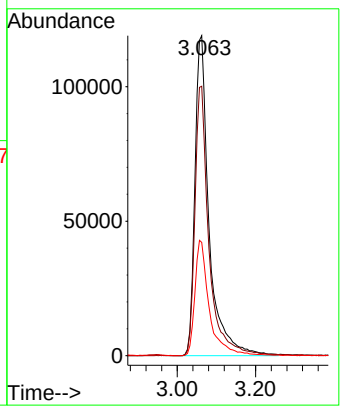


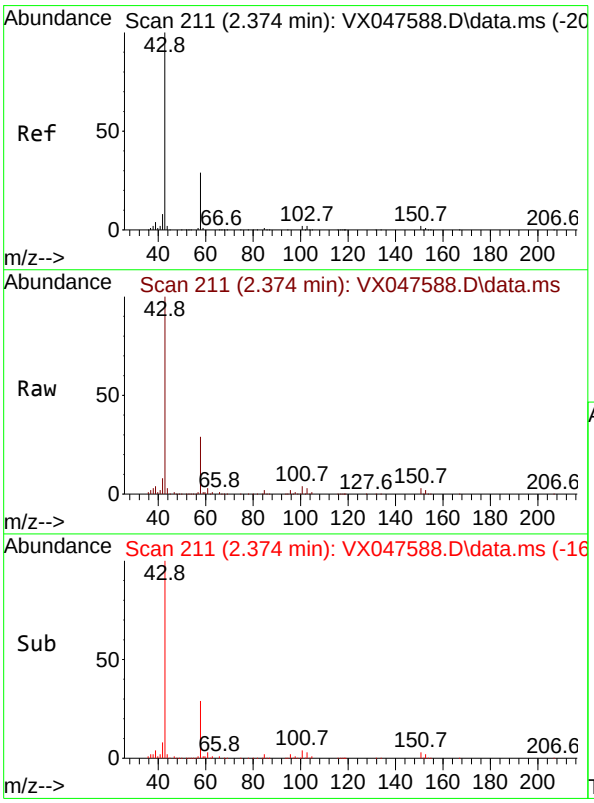
#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 300642

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3

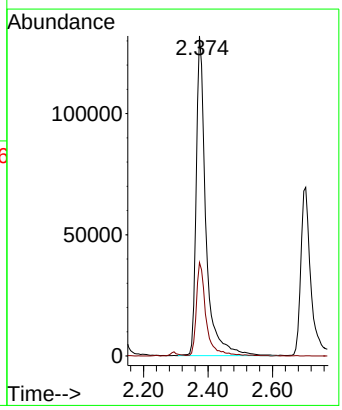


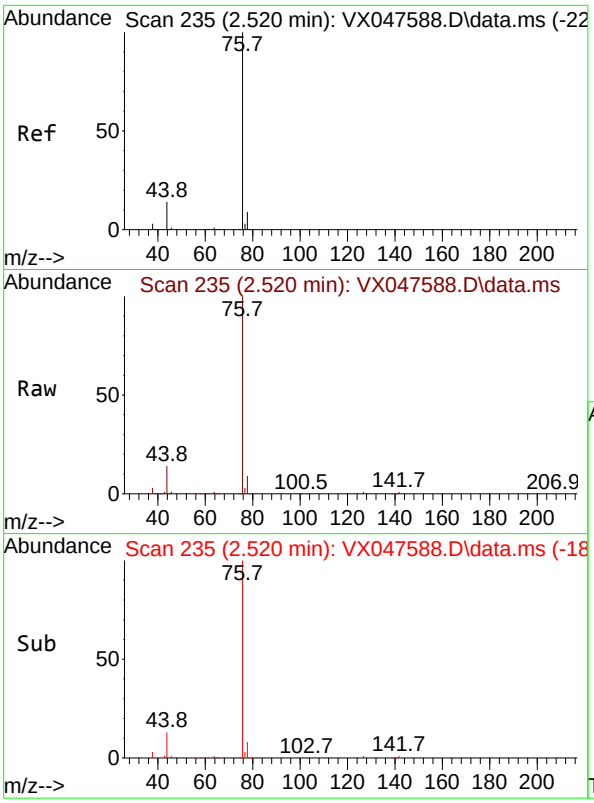


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0



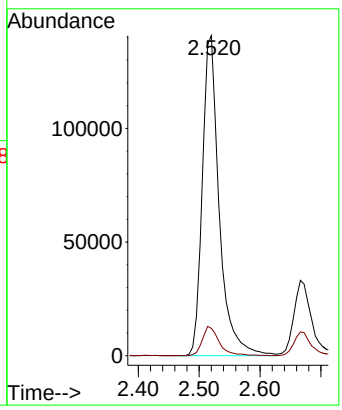


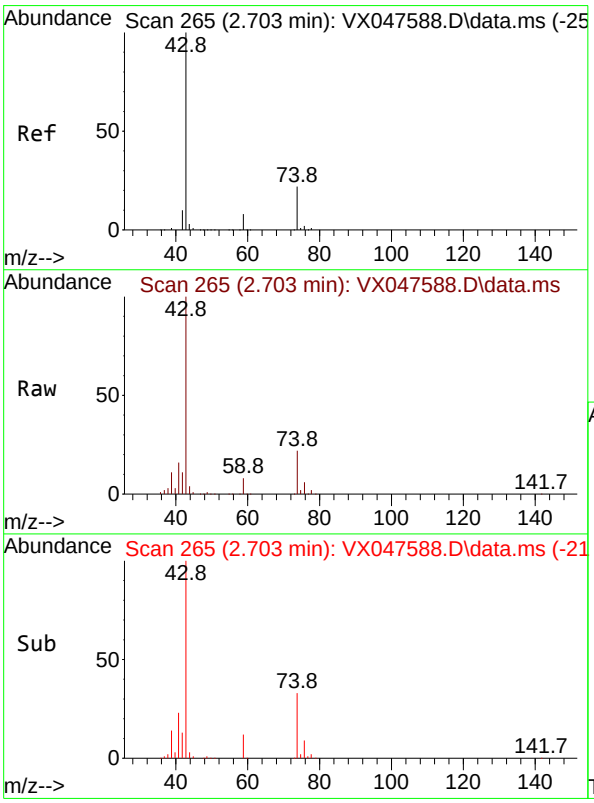
#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 271480

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

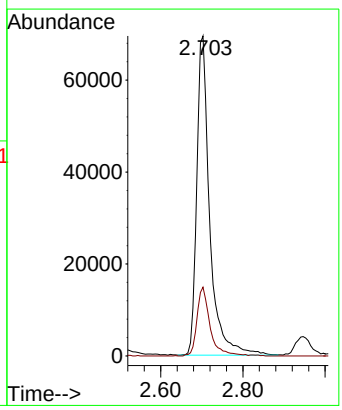


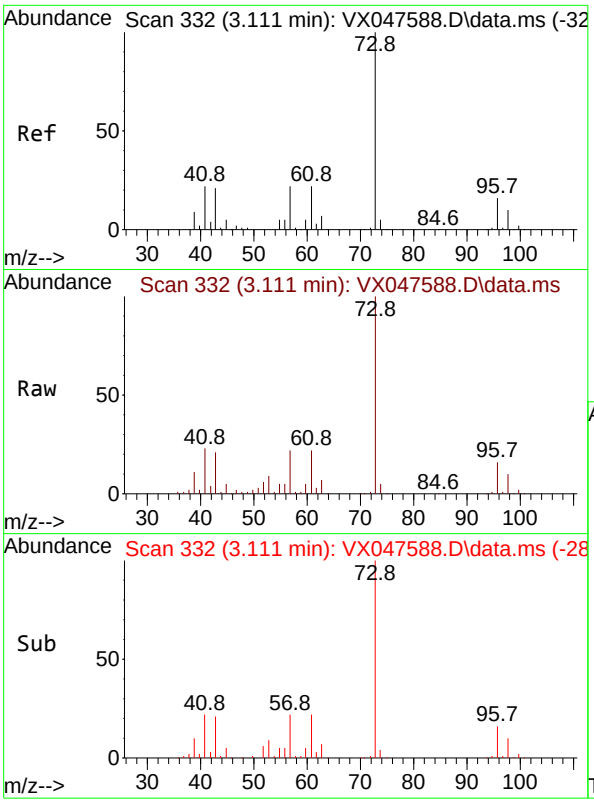


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



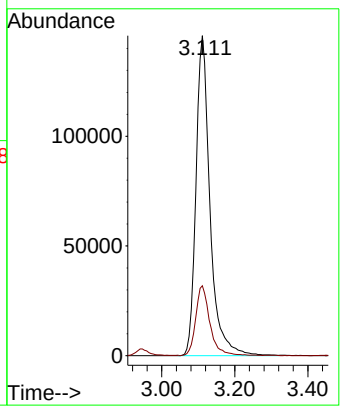


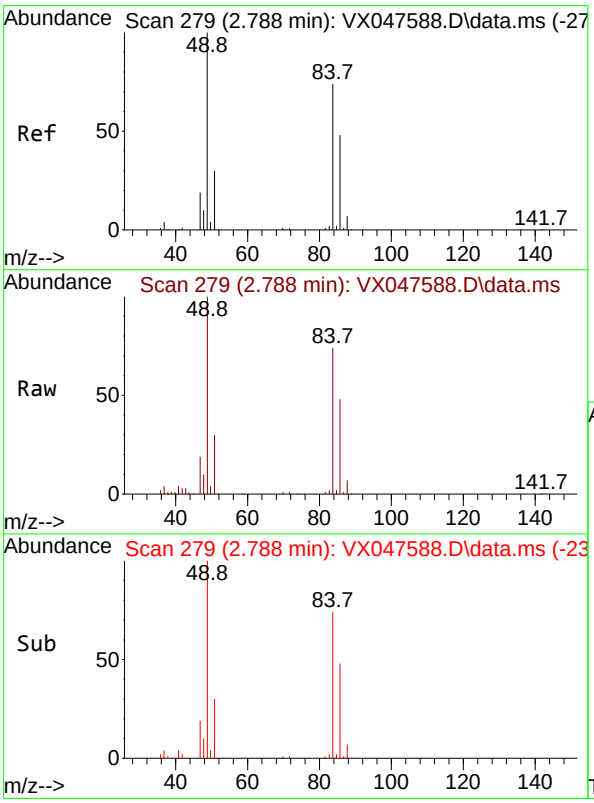
#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 389607

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

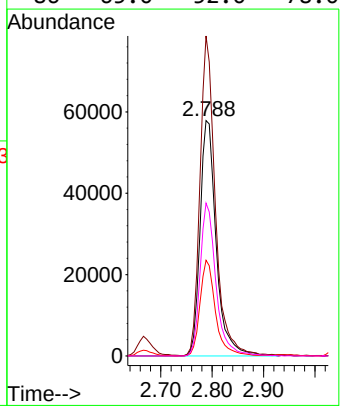


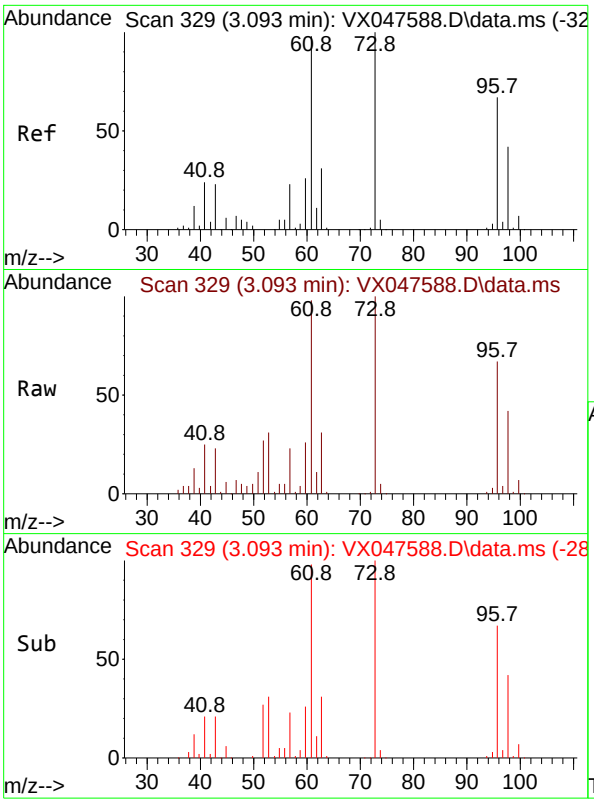


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0



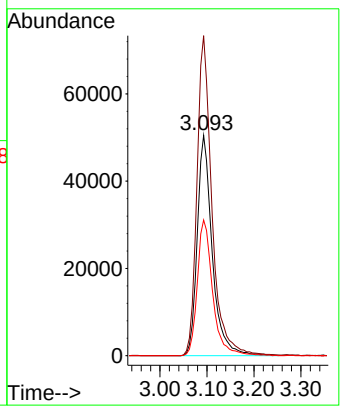


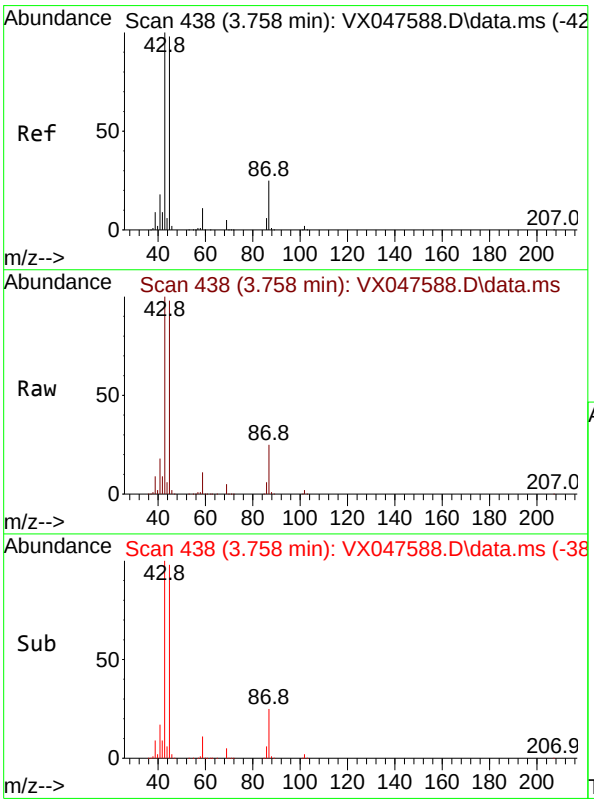
#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 112553

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9

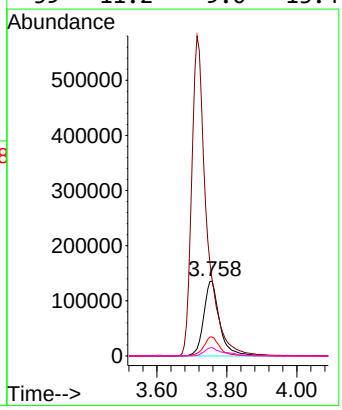


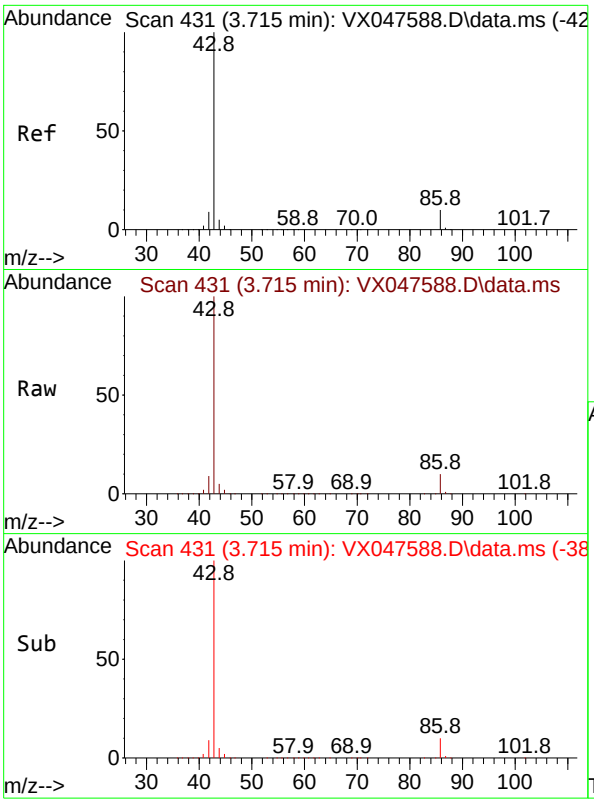


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4



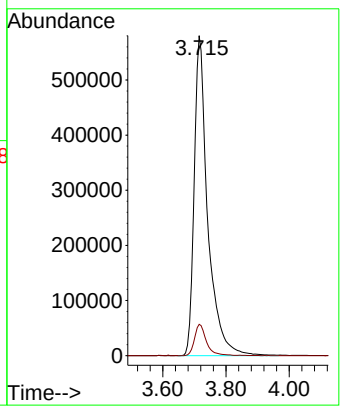


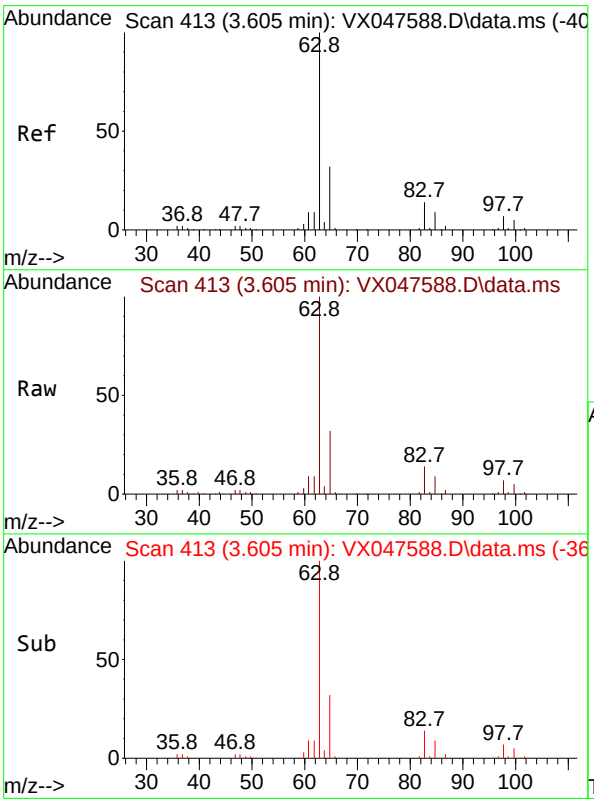
#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1726735

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

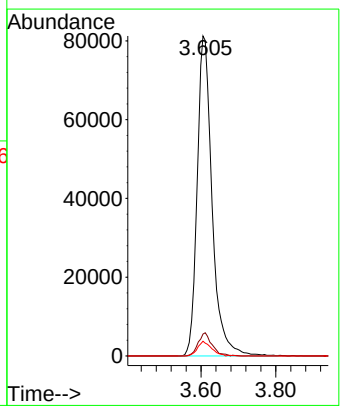


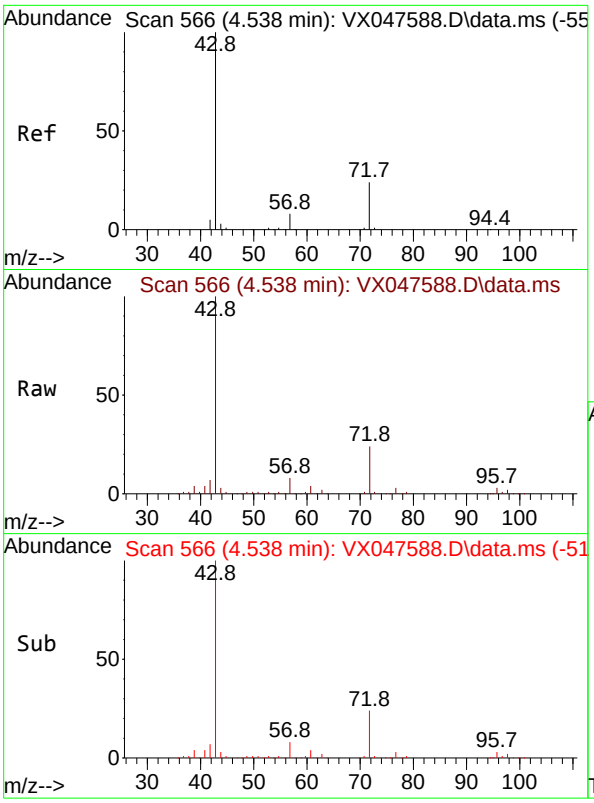


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9



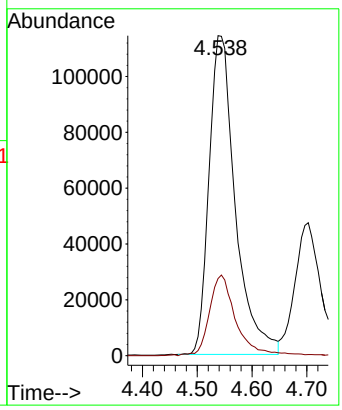


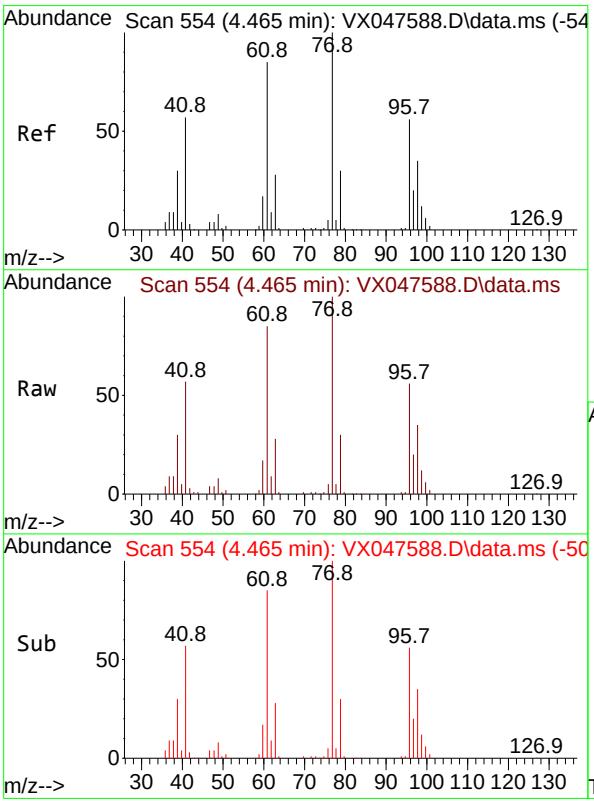
#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 380335

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

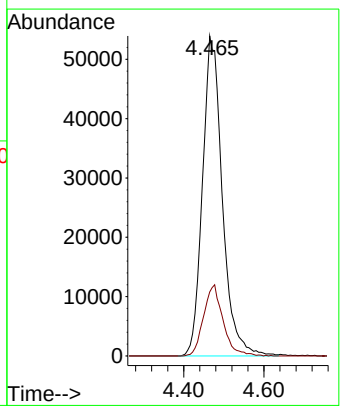


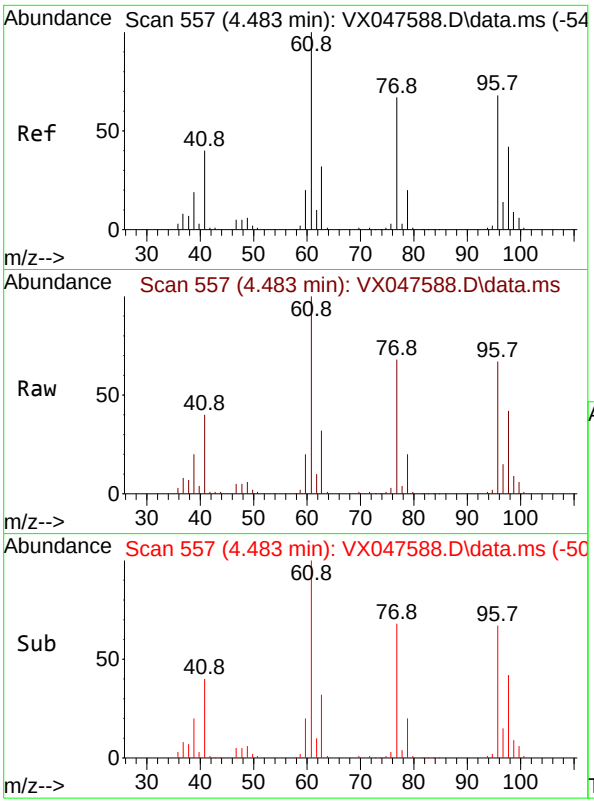


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



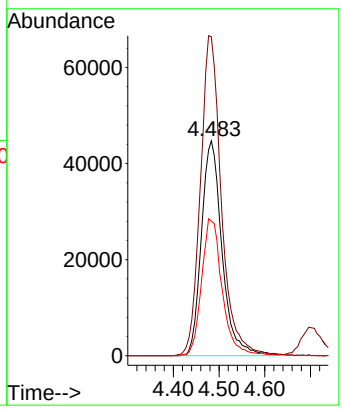


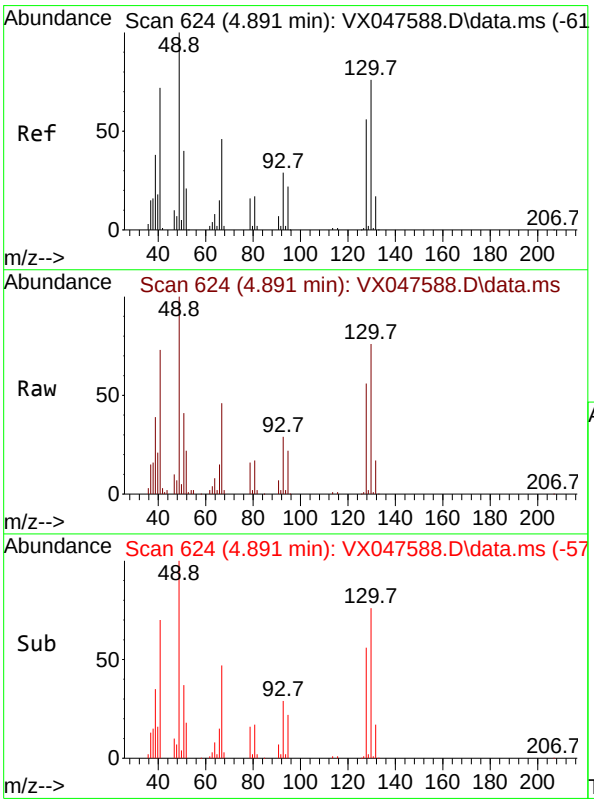
#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 140105

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8

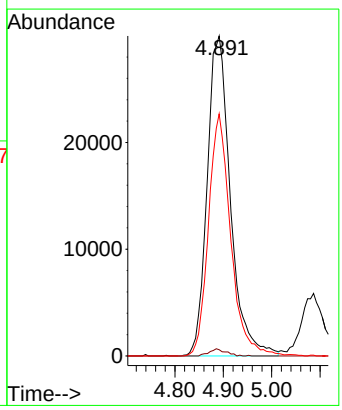


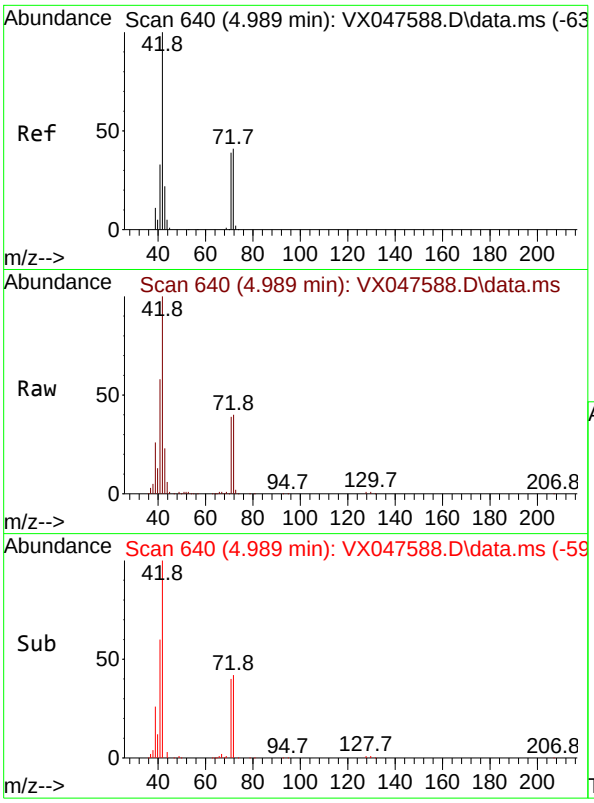


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8



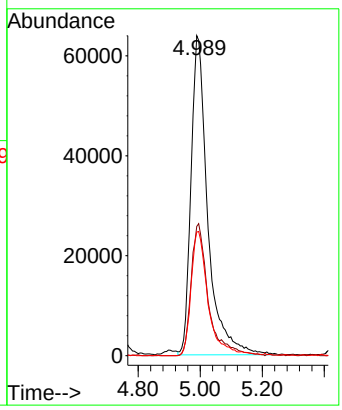


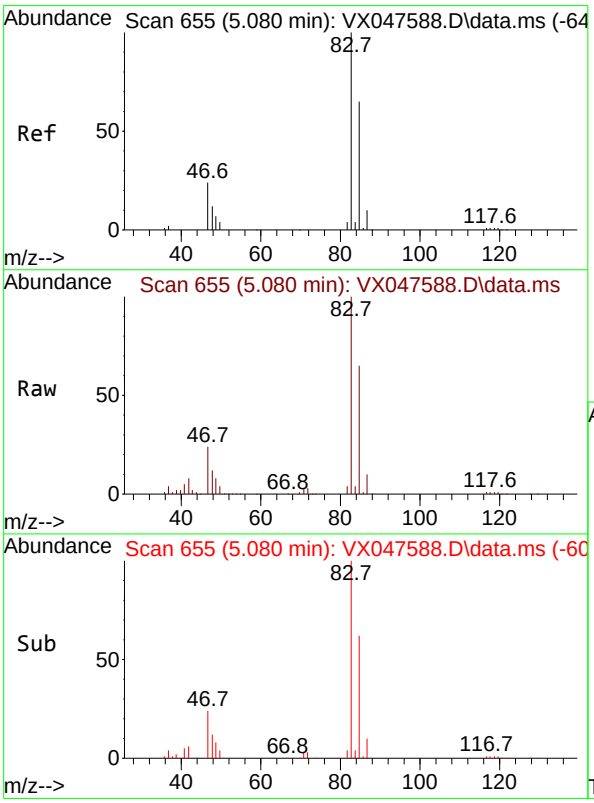
#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 238677

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

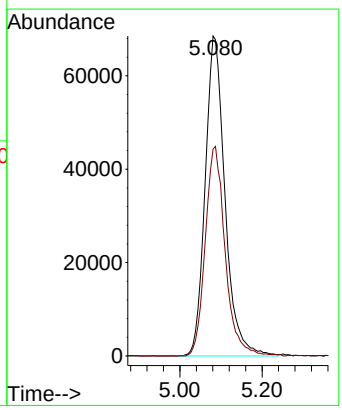


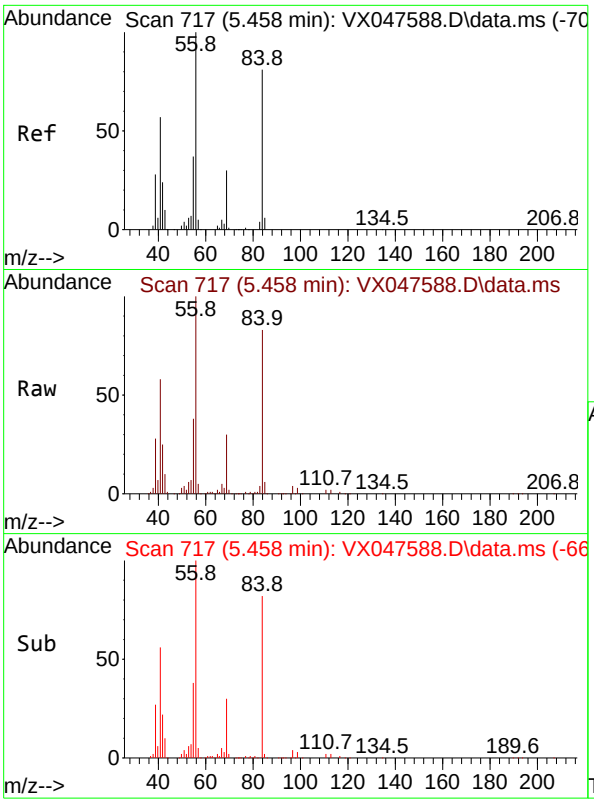


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



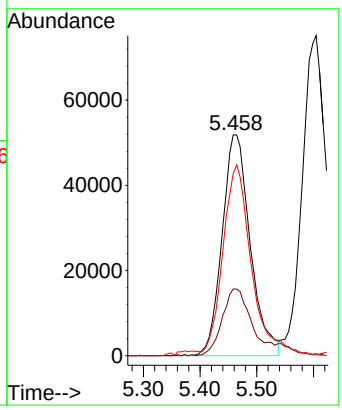


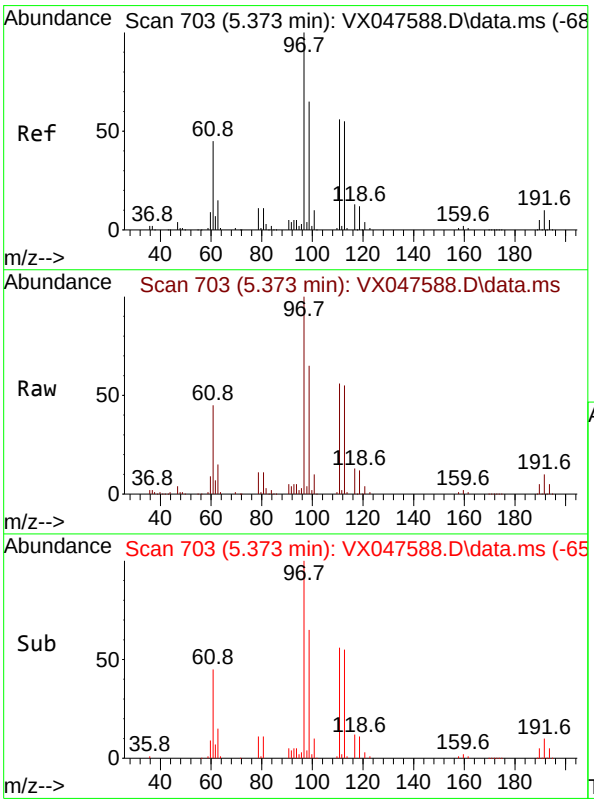
#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 178546

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0

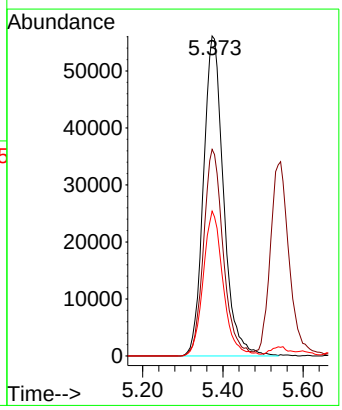


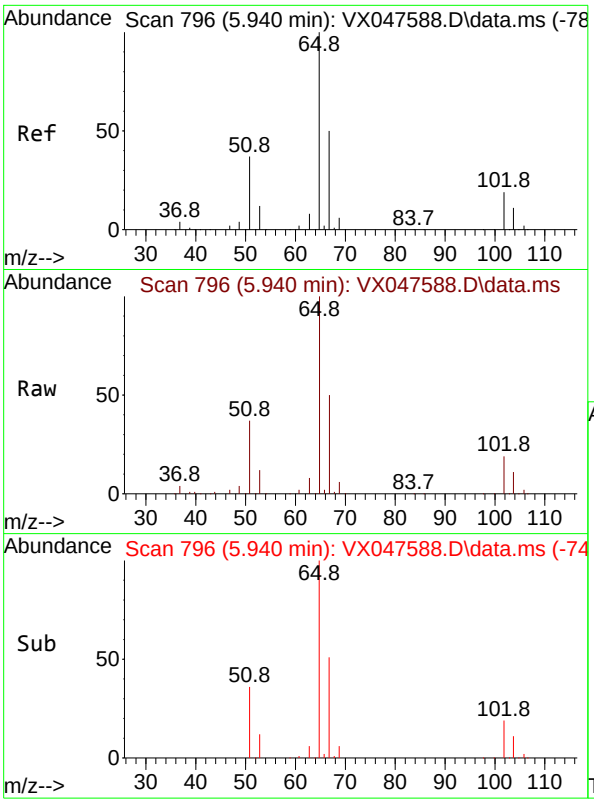


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8



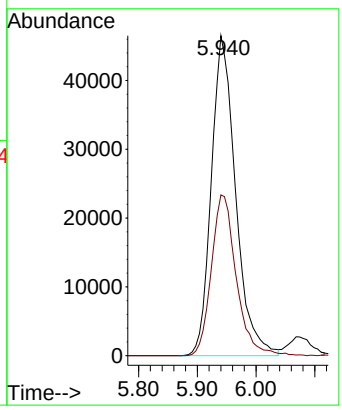


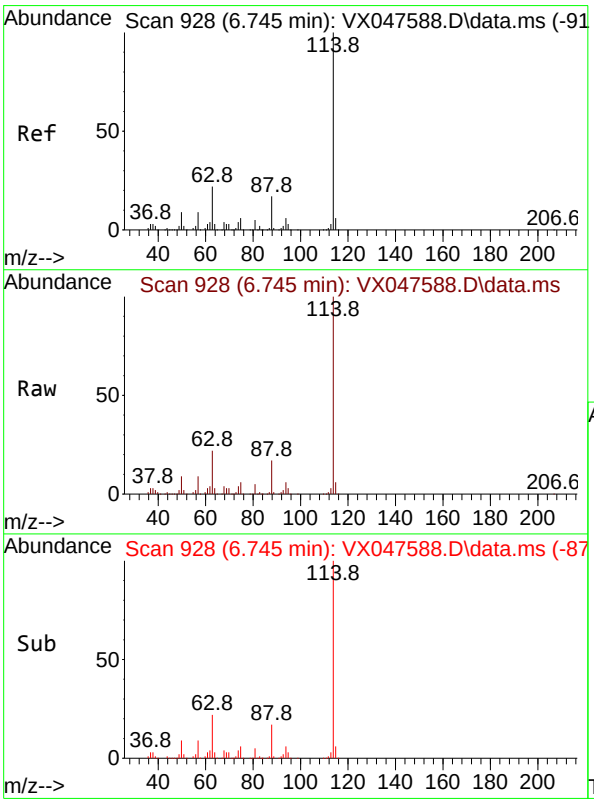
#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 133606

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

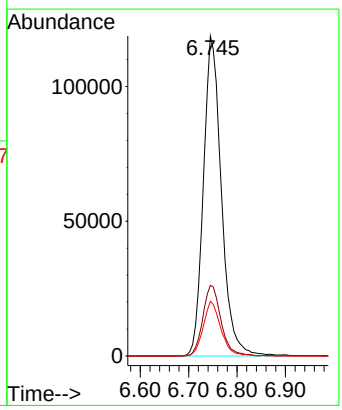


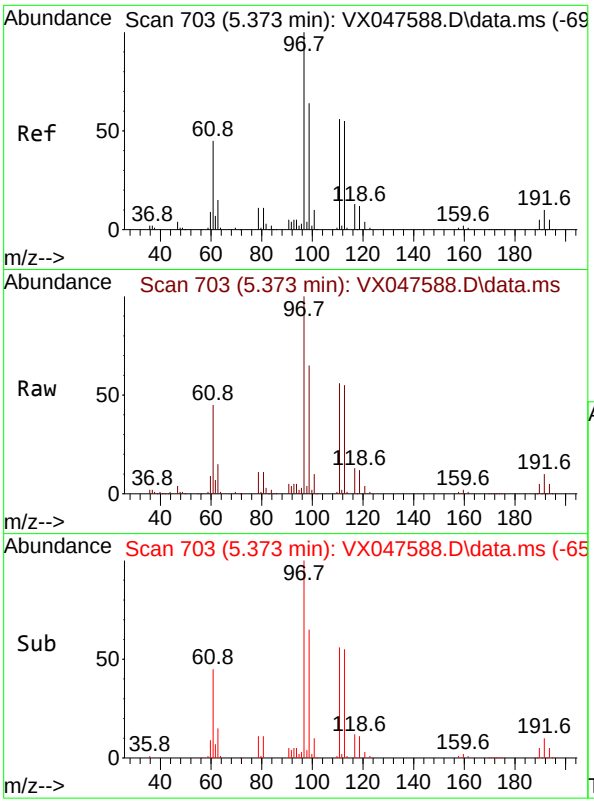


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2



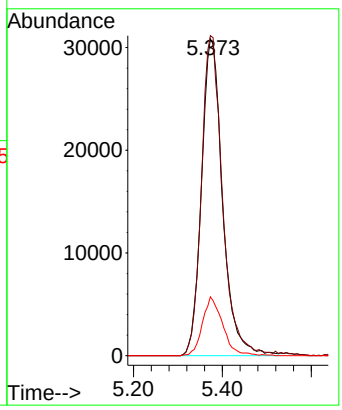


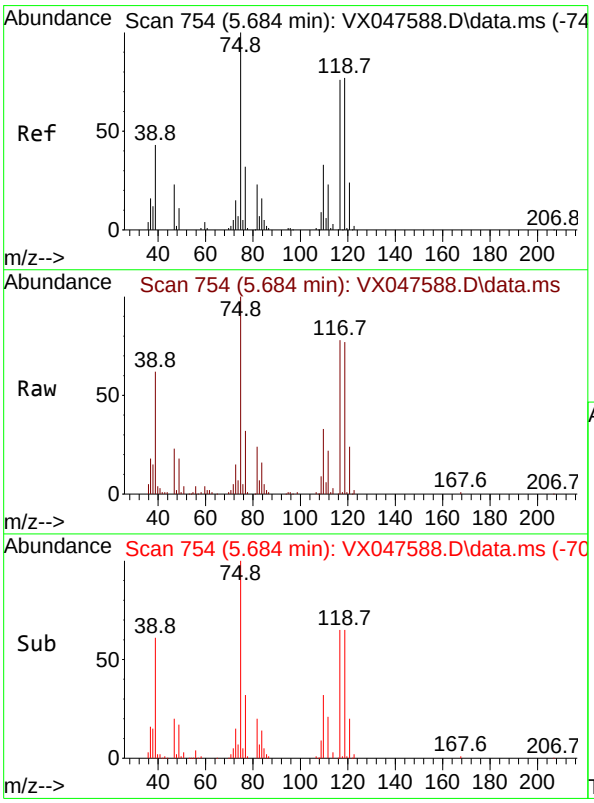
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 101627

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4

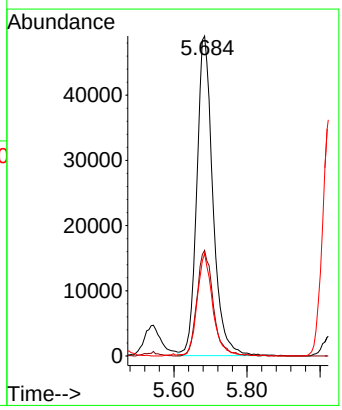


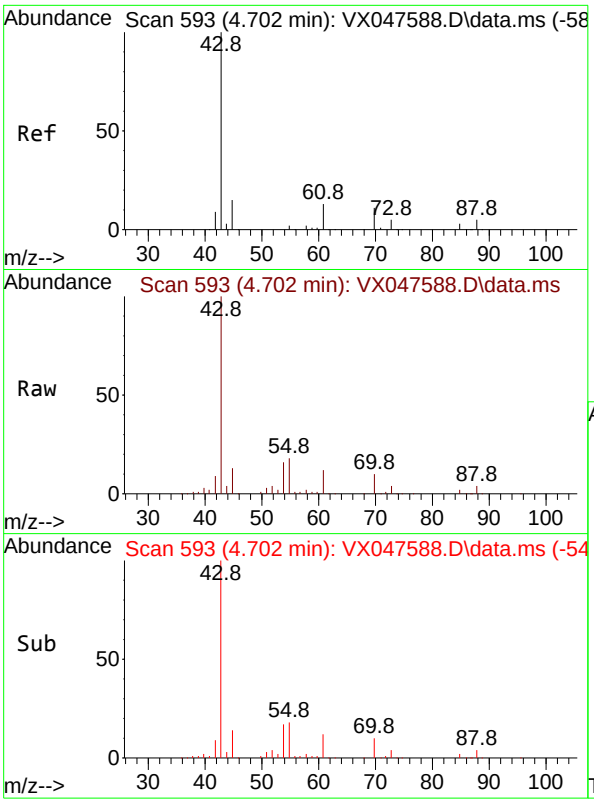


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5



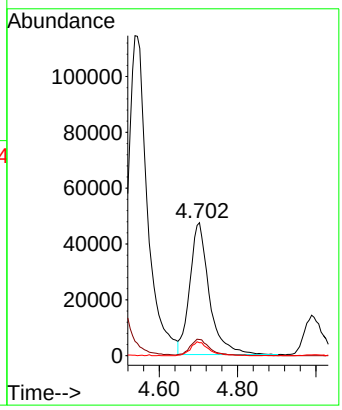


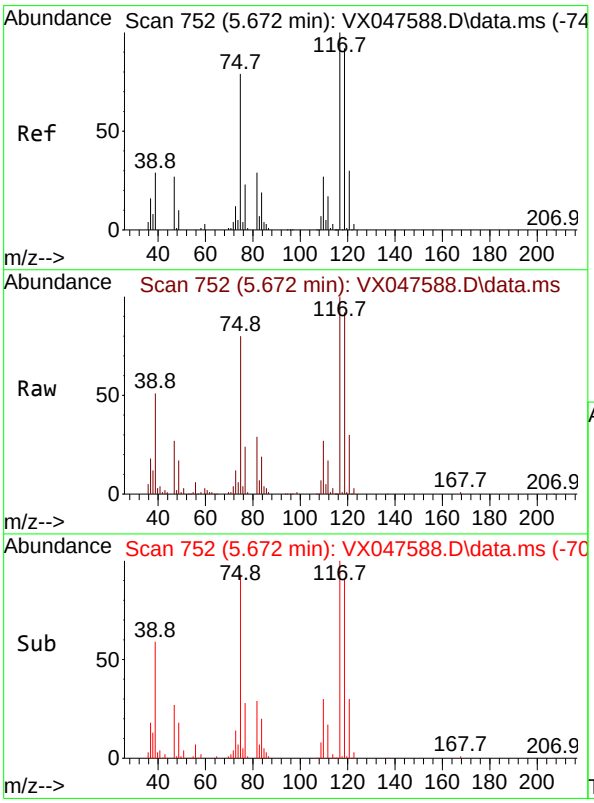
#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 163482

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

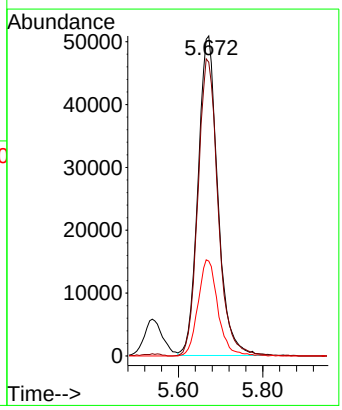


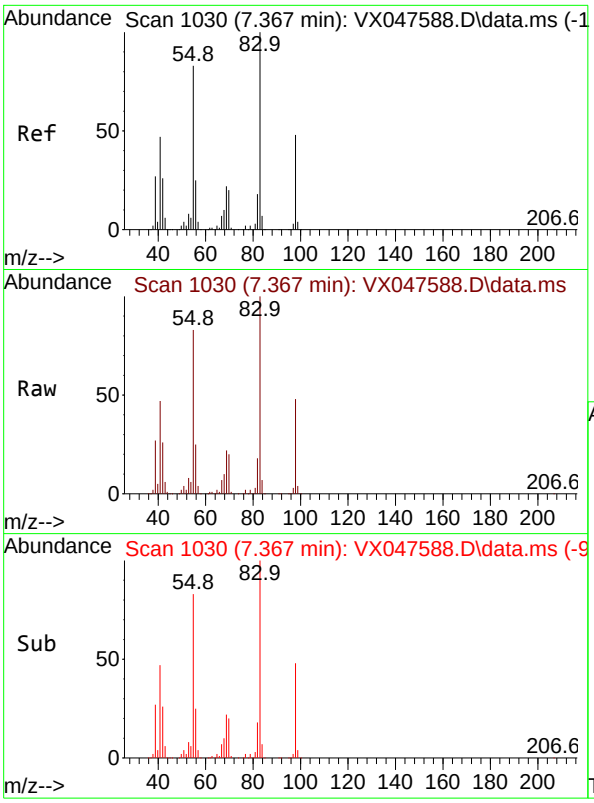


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6



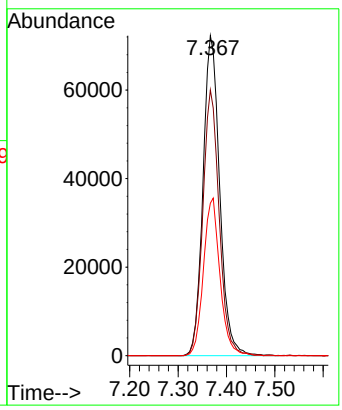


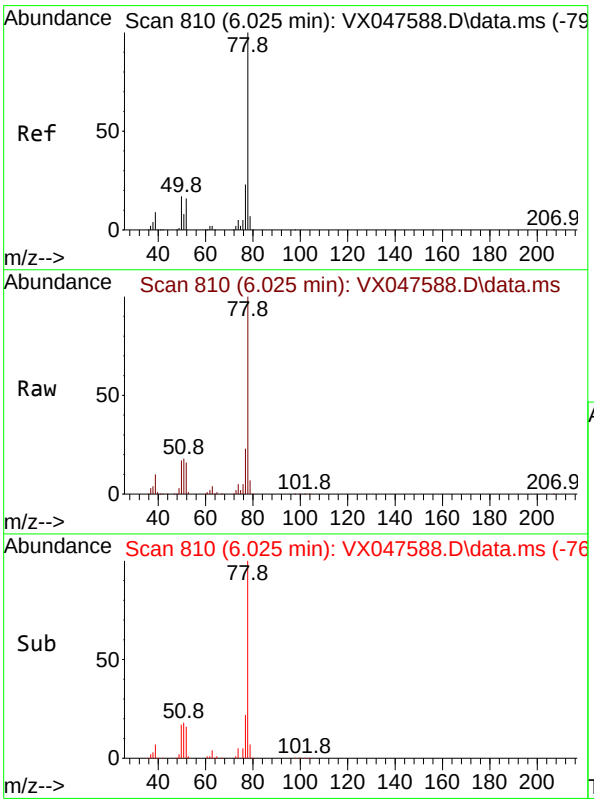
#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 173610

Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1

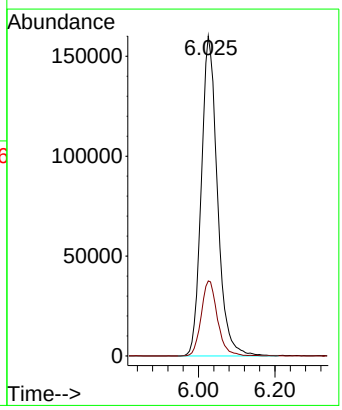


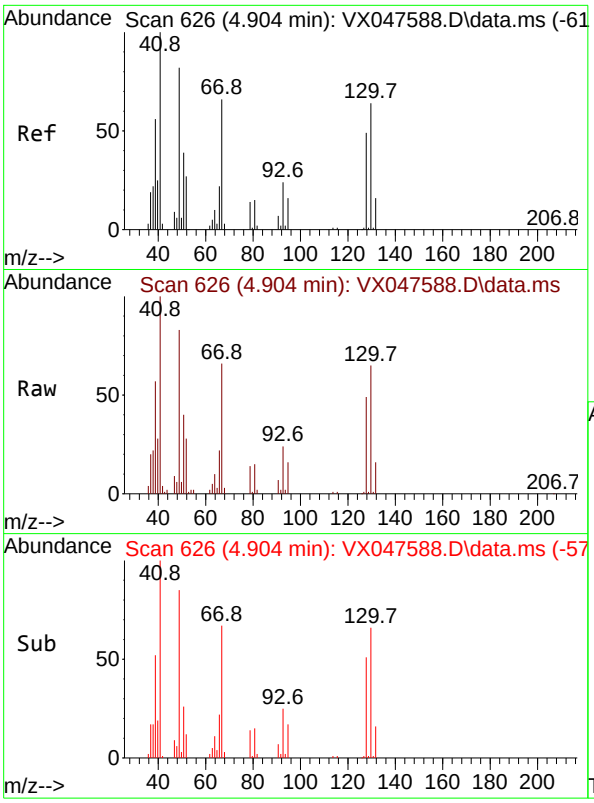


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



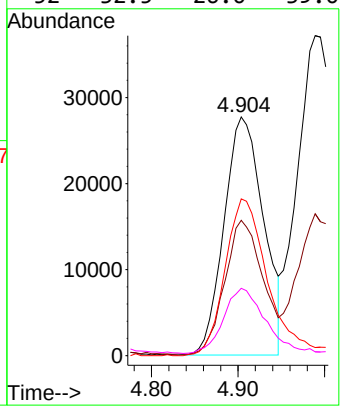


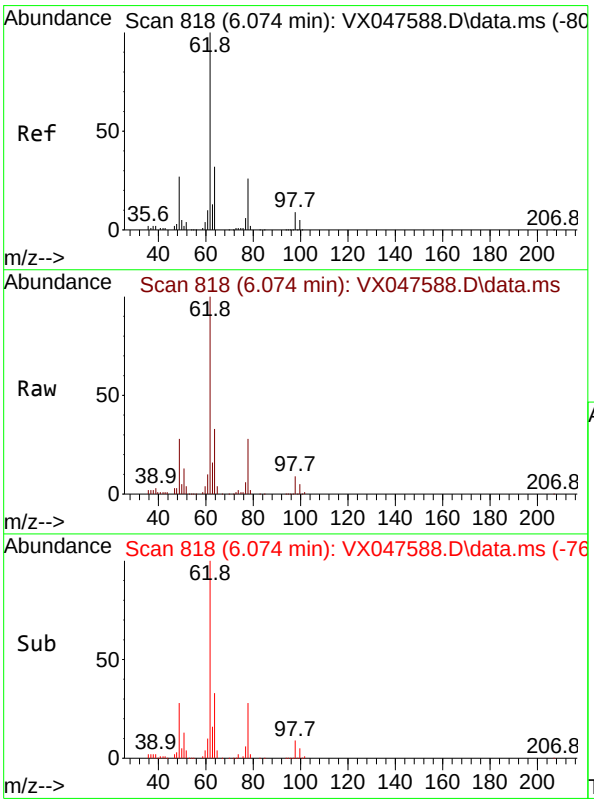
#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 87761

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0

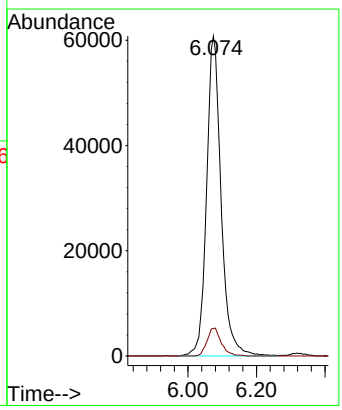


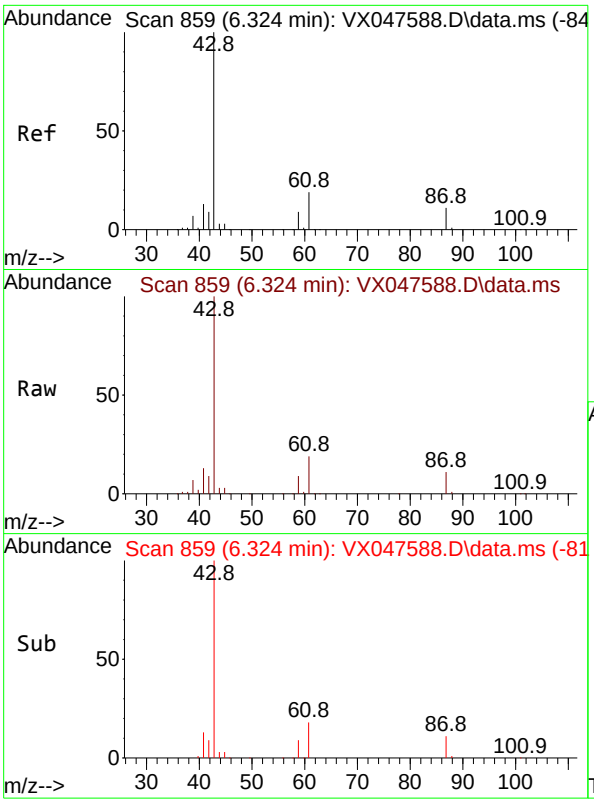


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



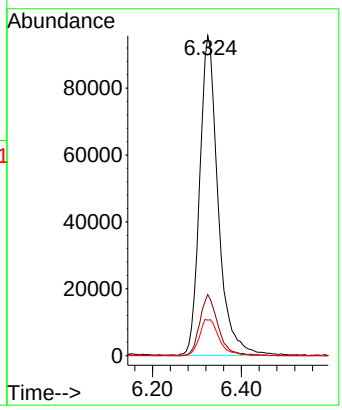


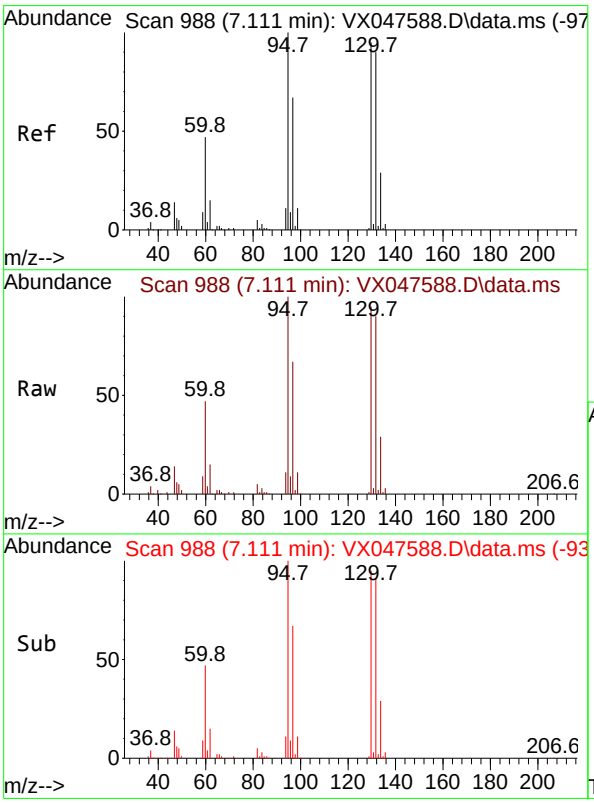
#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 275572

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4

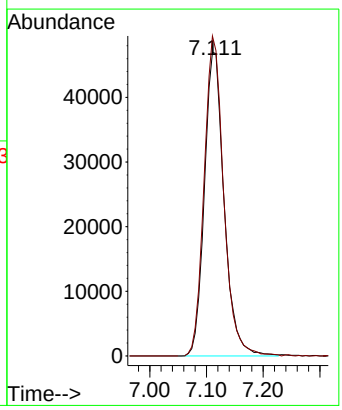


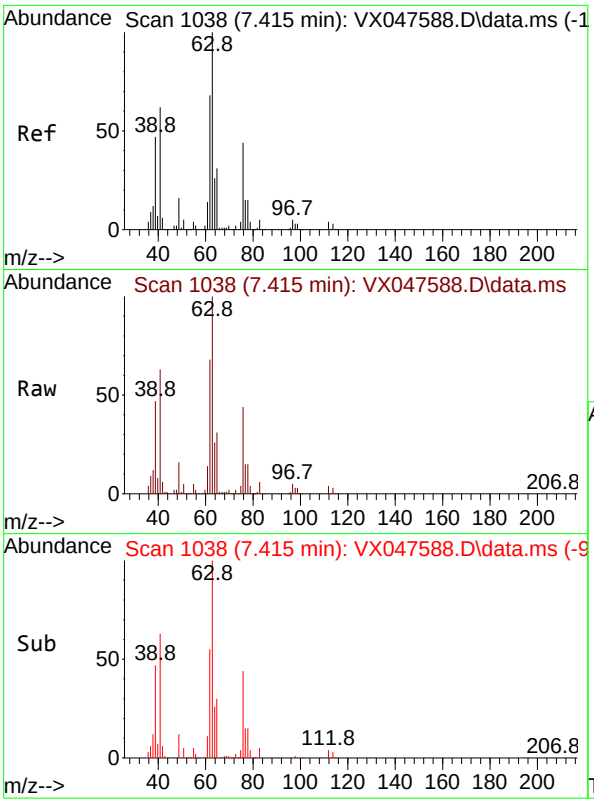


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8



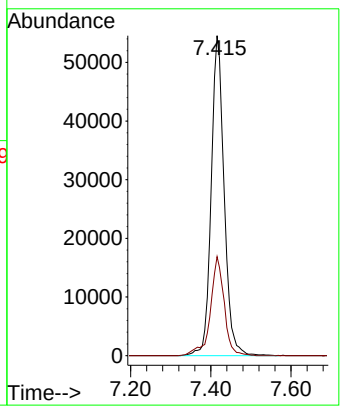


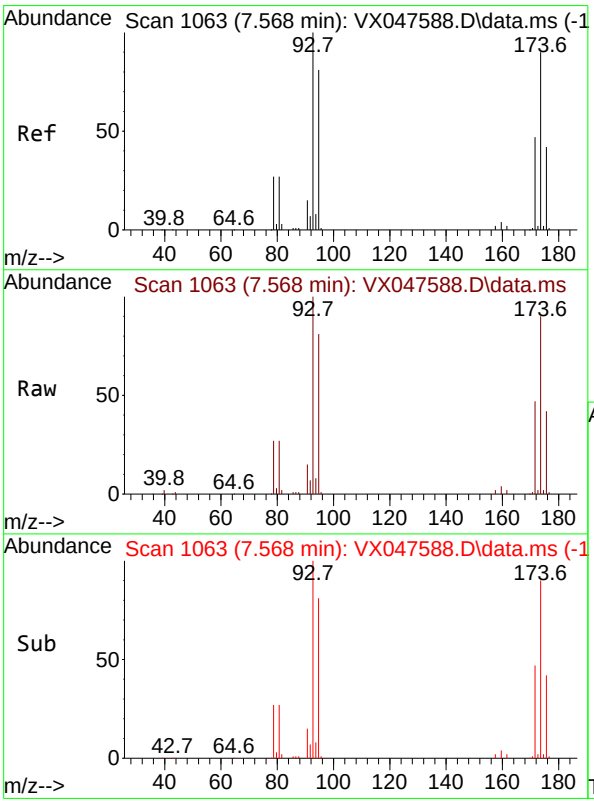
#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

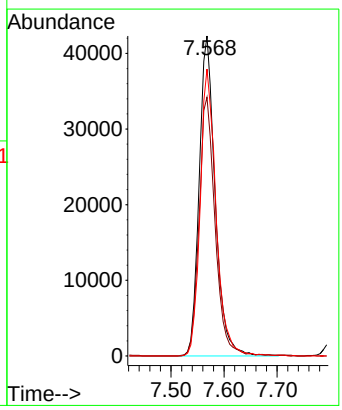


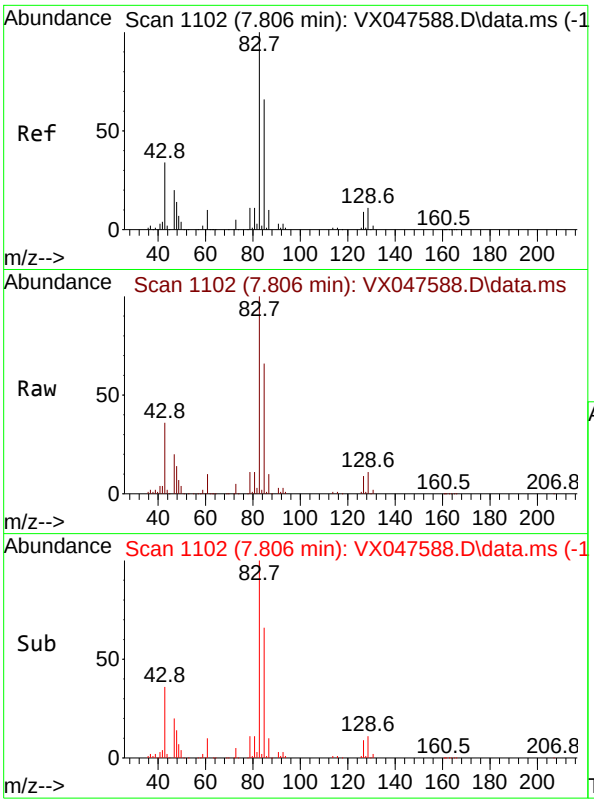


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4



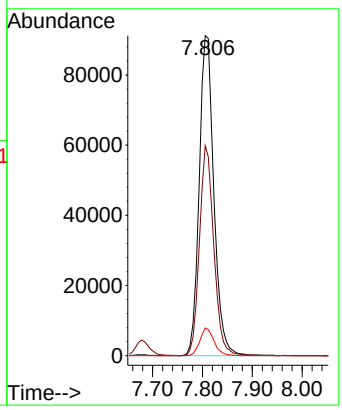


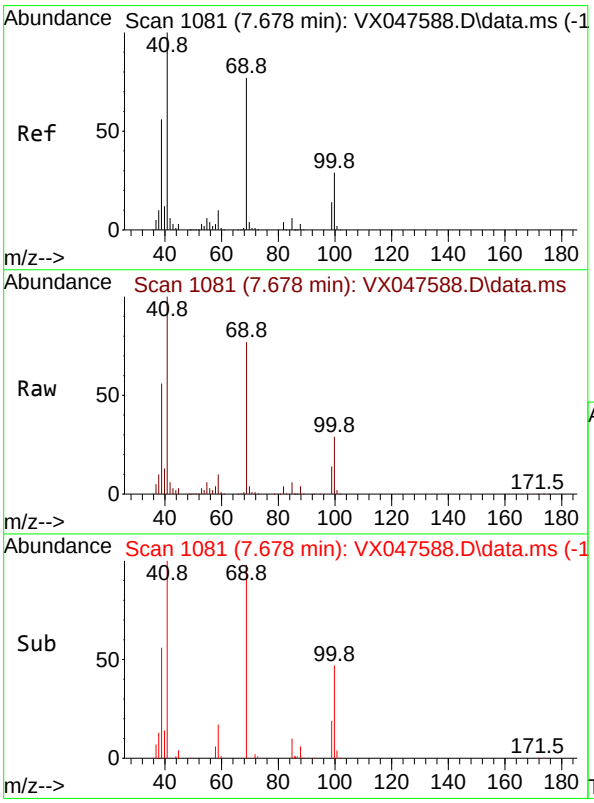
#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 186540

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3

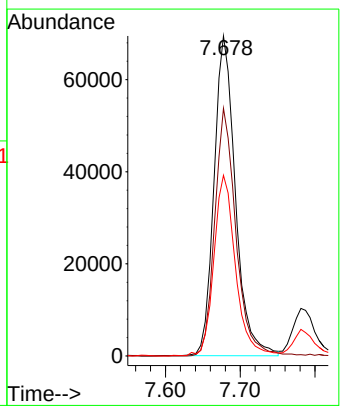


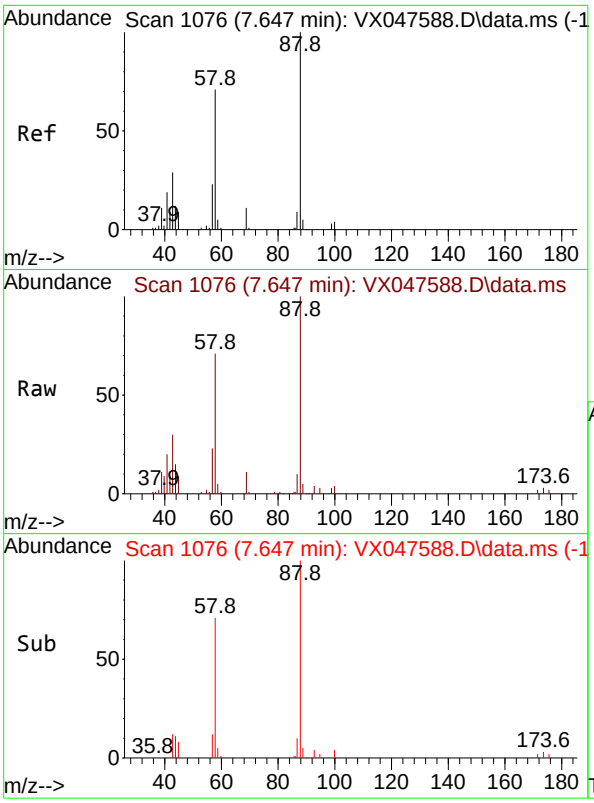


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6



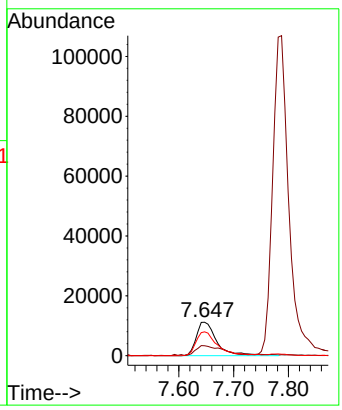


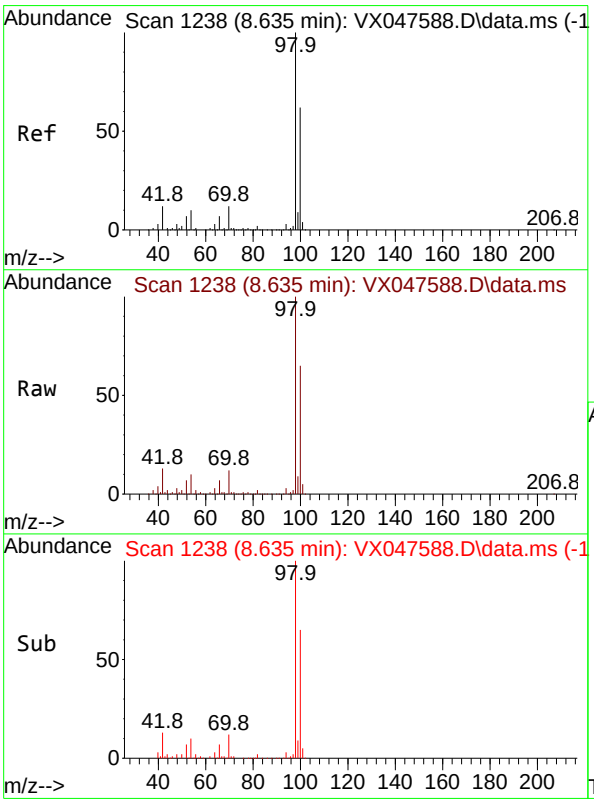
#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 29496

Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3

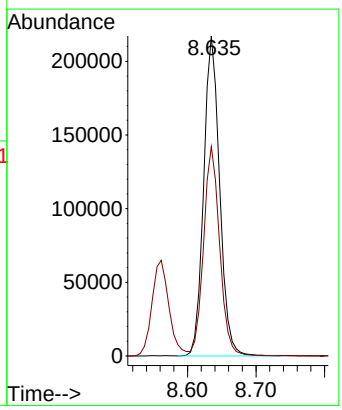


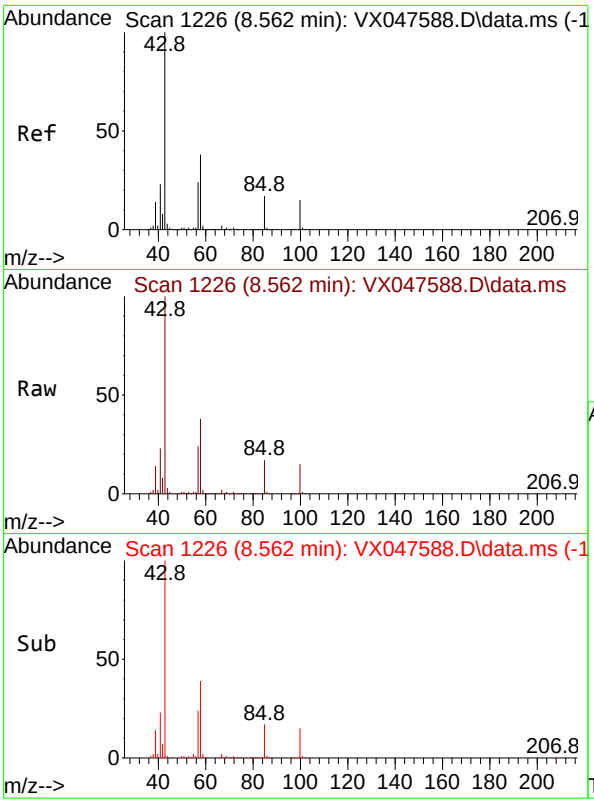


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



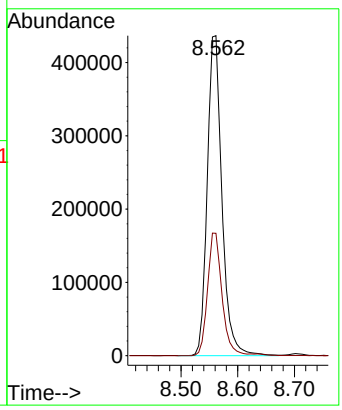


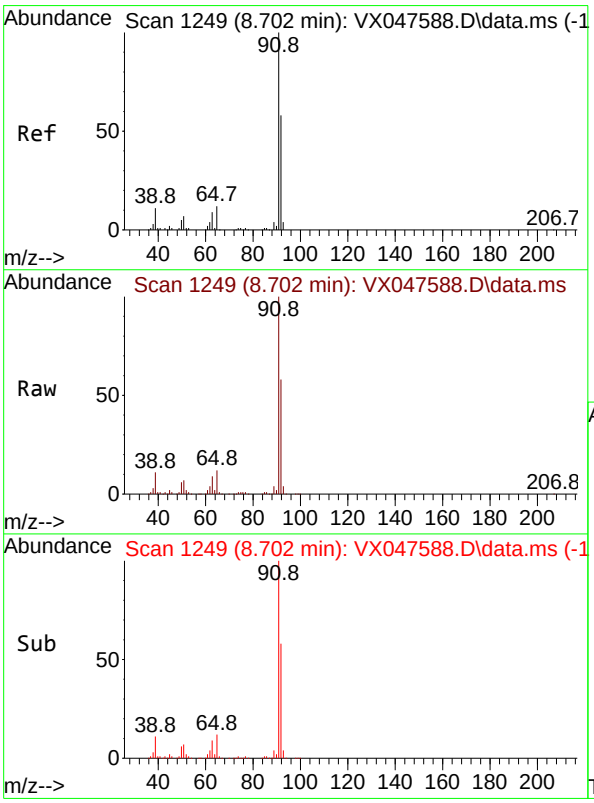
#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 784978

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

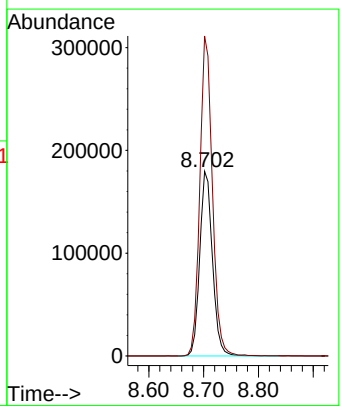


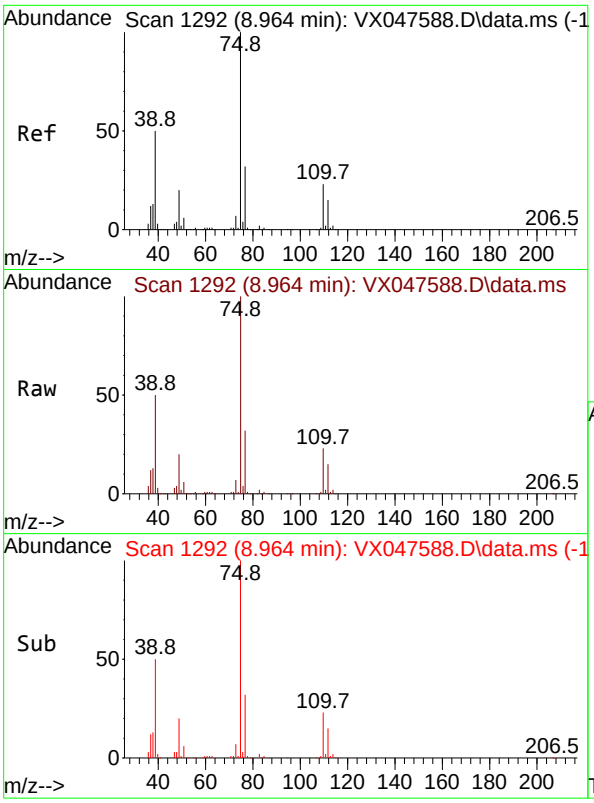


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7



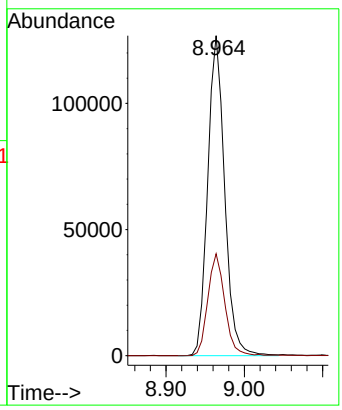


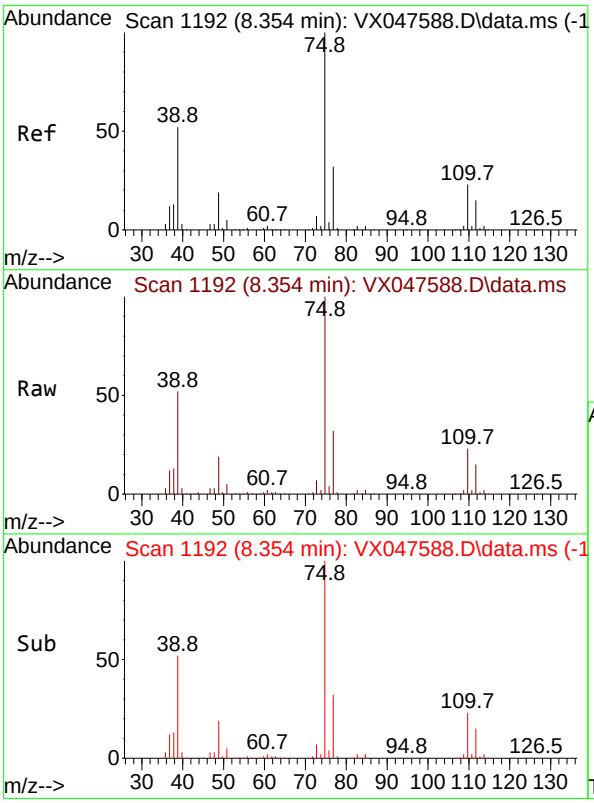
#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 190282

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

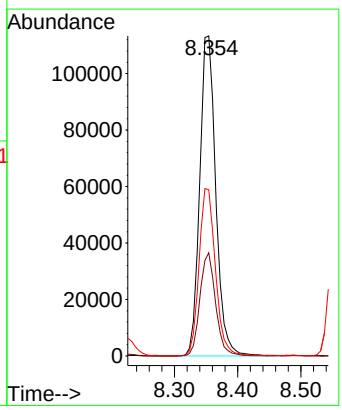


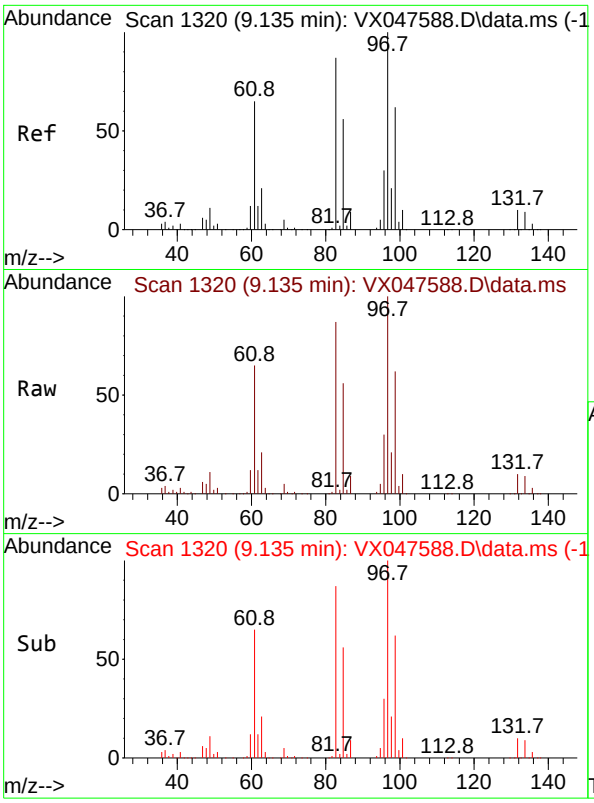


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2



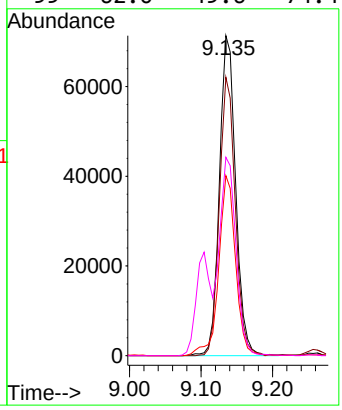


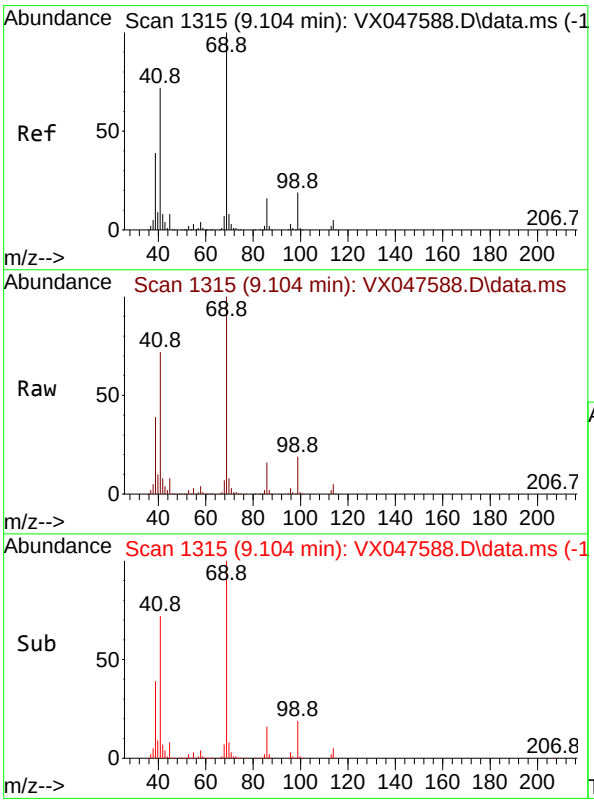
#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 112837

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4

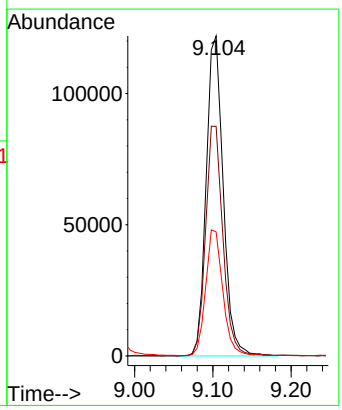


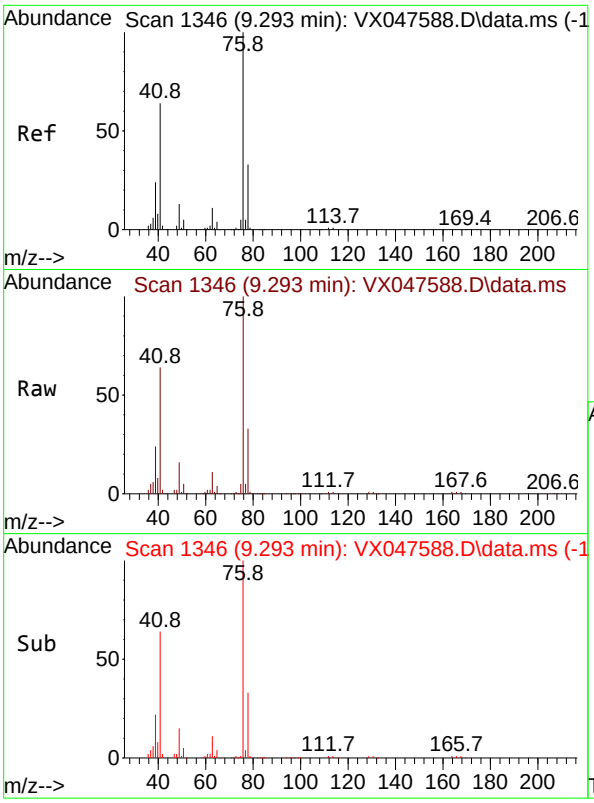


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3



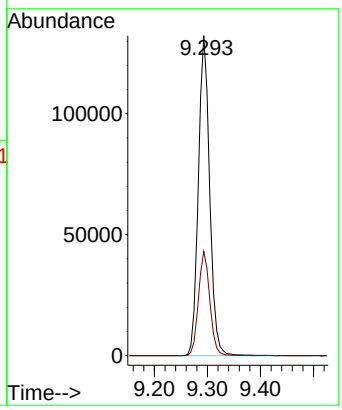


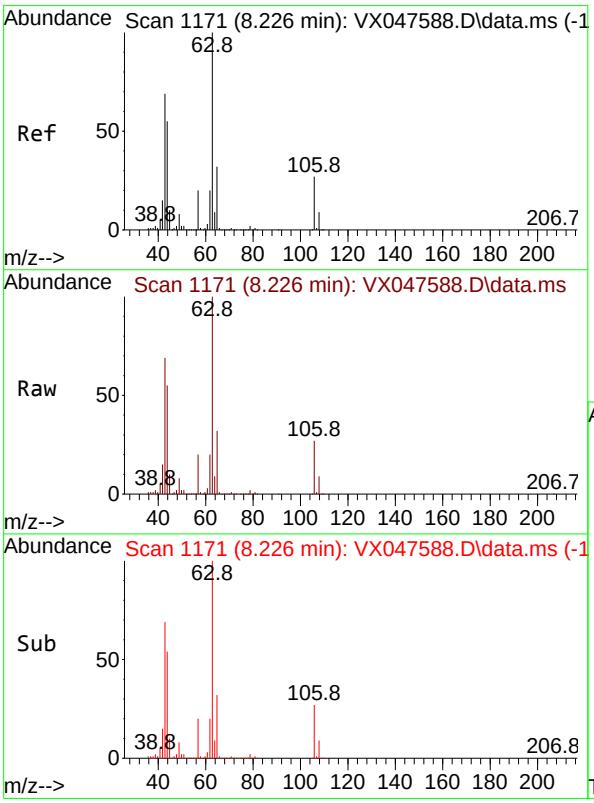
#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 195989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

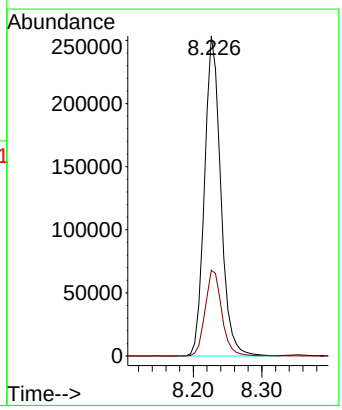


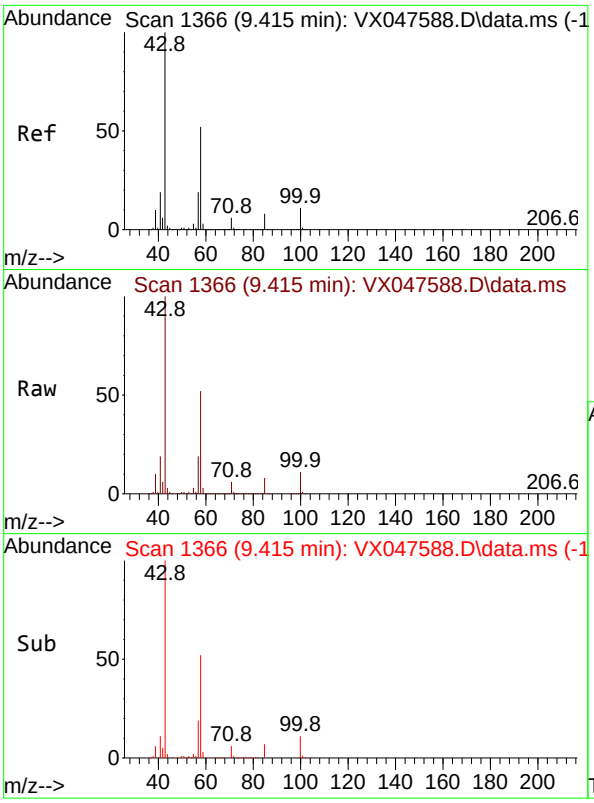


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



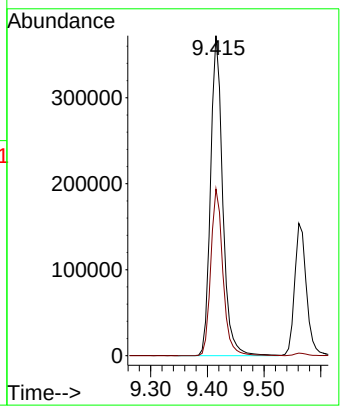


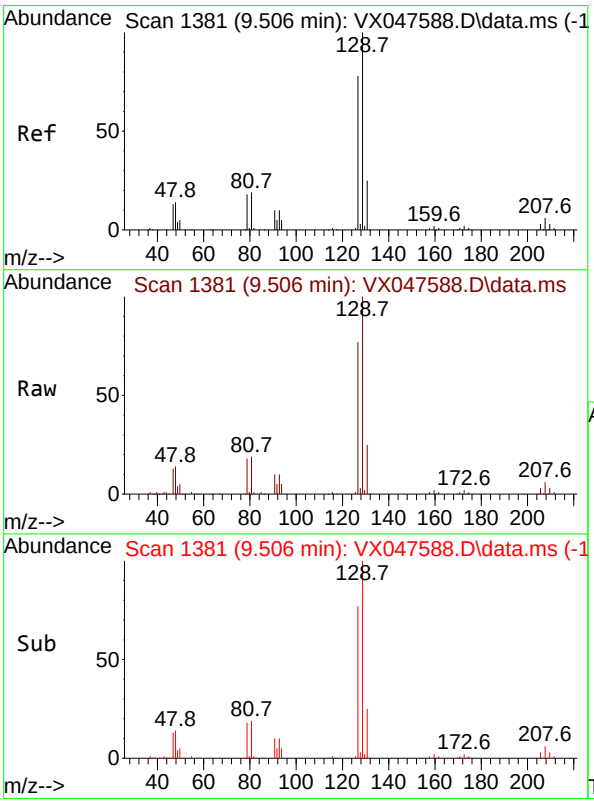
#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 553313

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

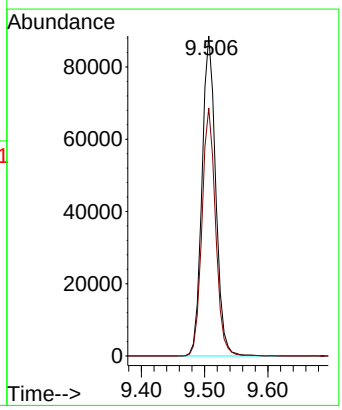


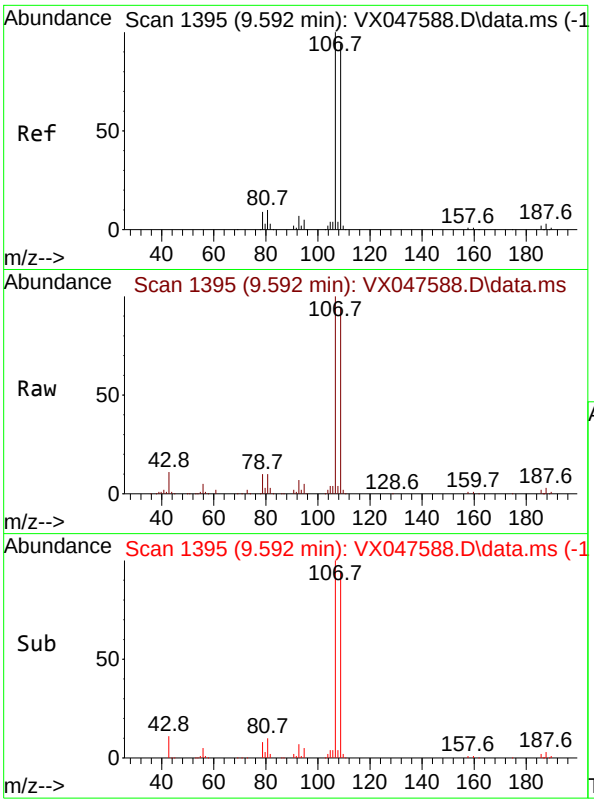


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2



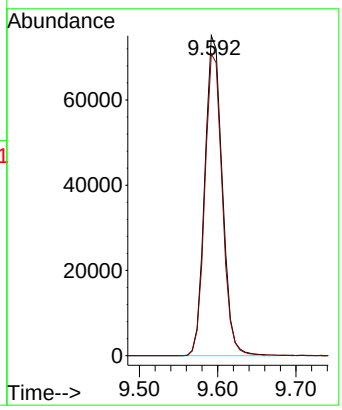


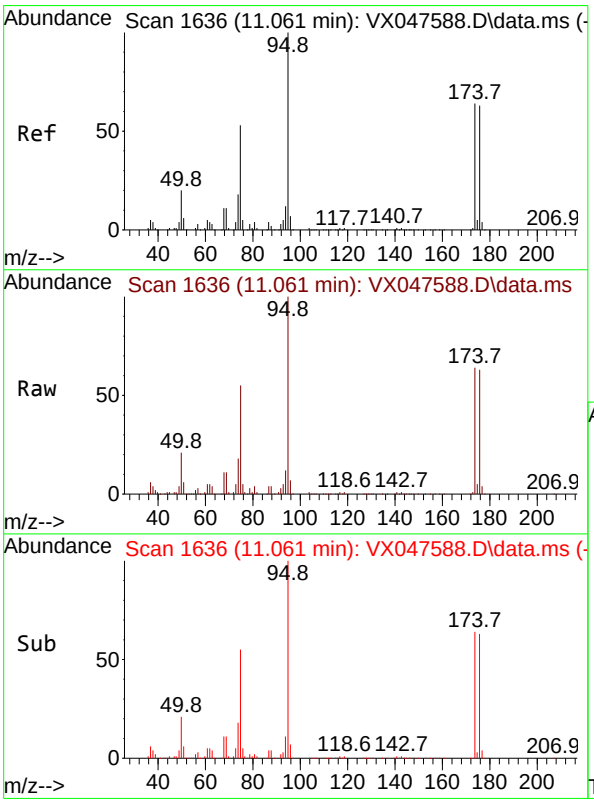
#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 116462

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

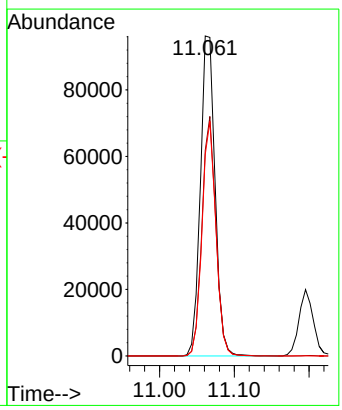


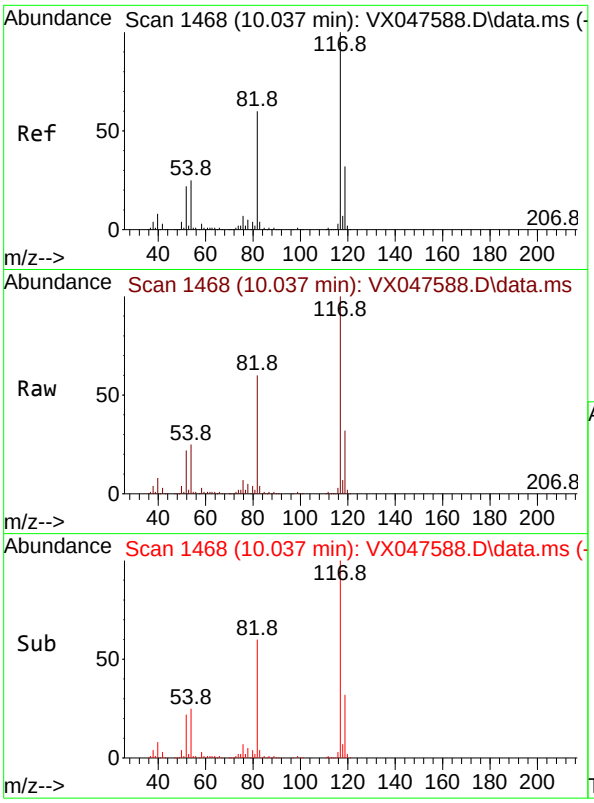


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4



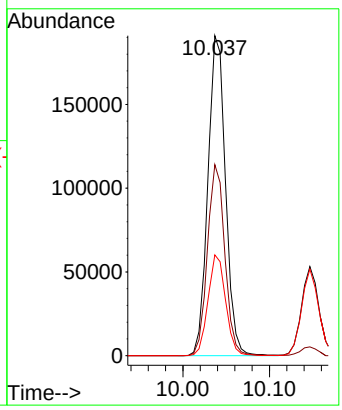


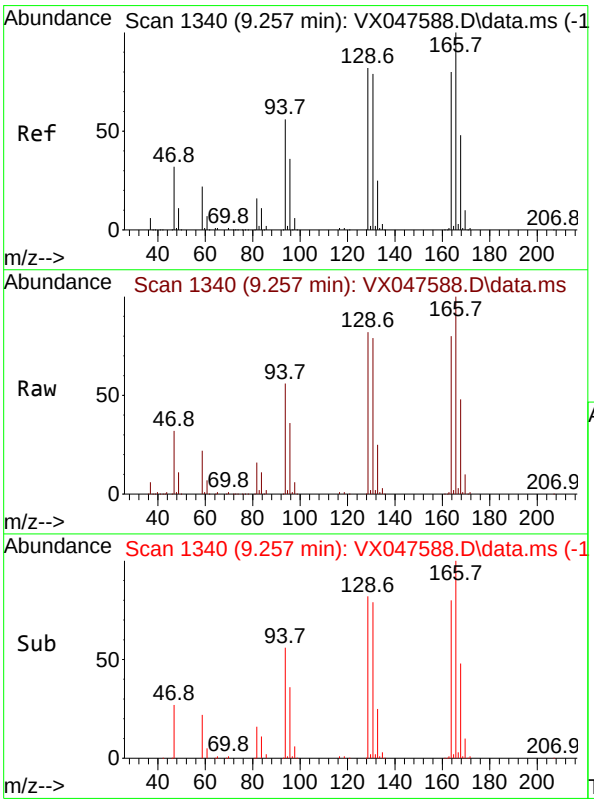
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 270040

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8

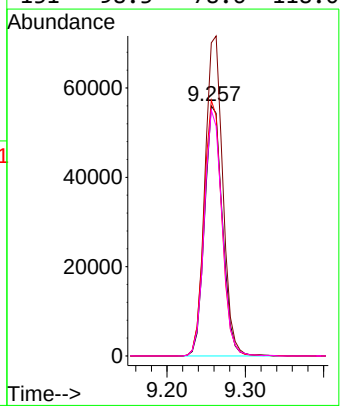


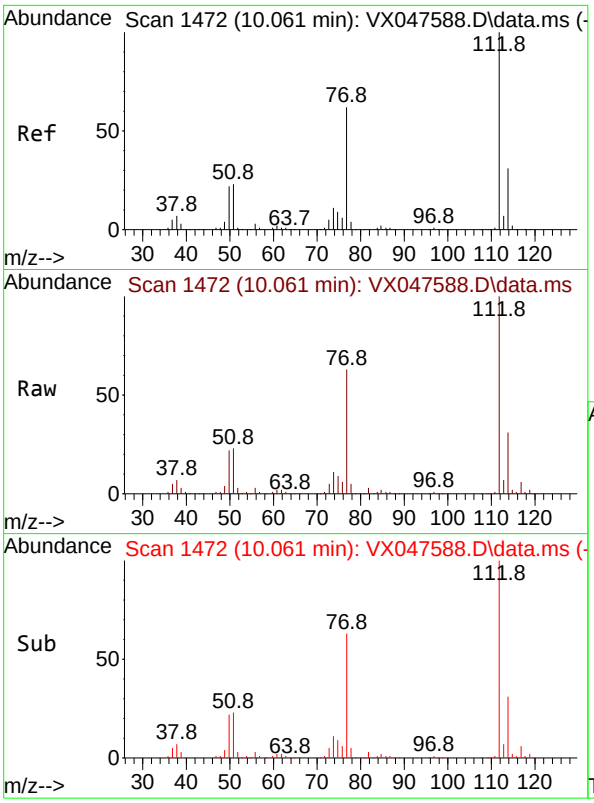


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0



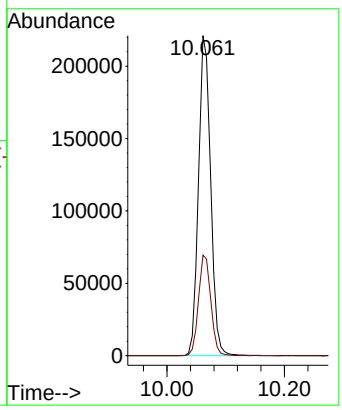


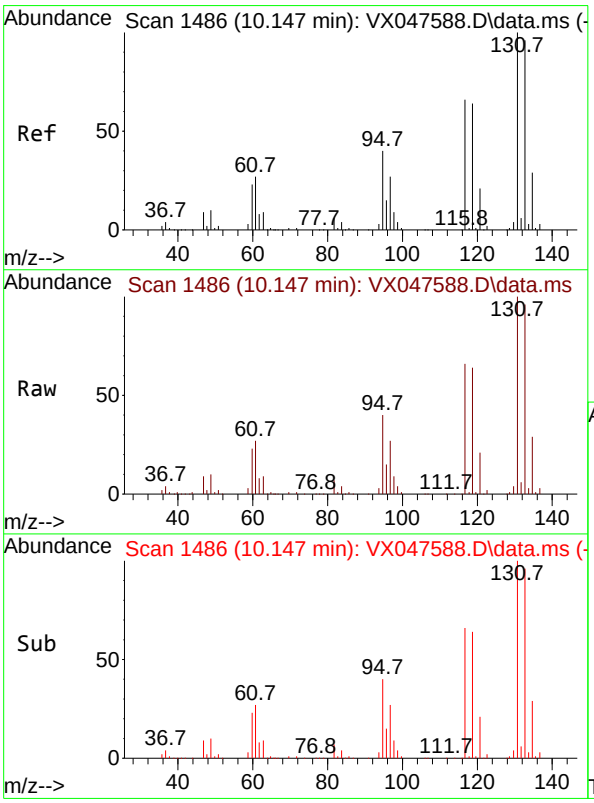
#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 317982

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

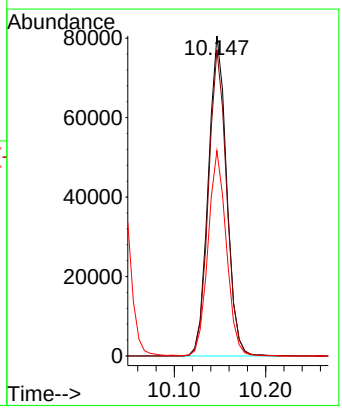


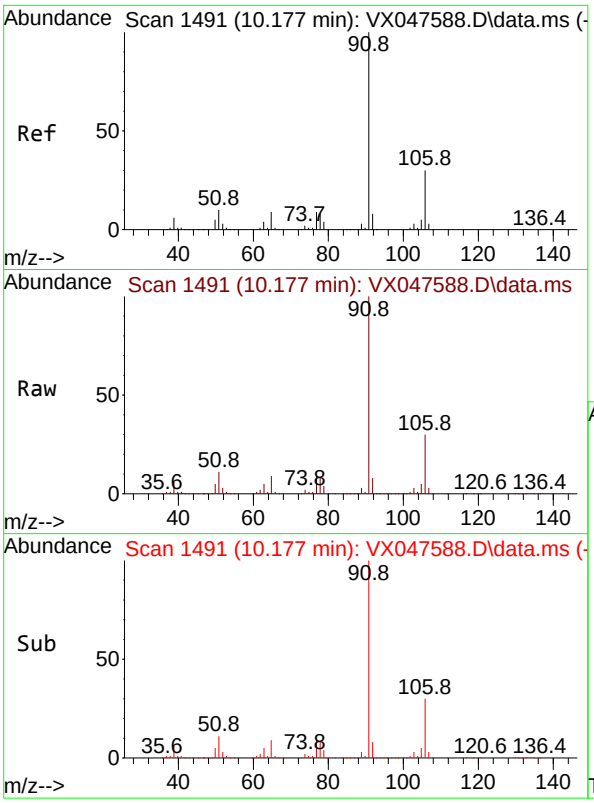


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0



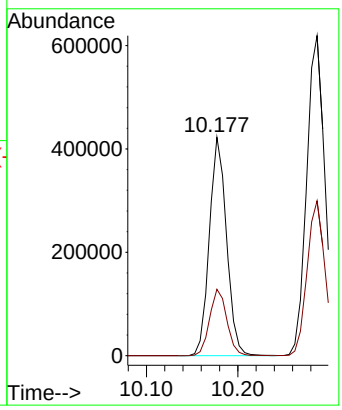


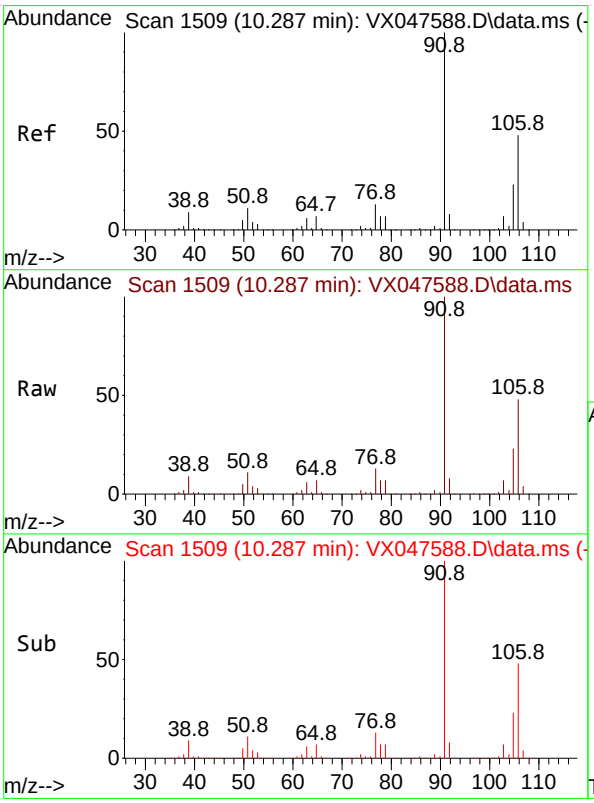
#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 550610

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

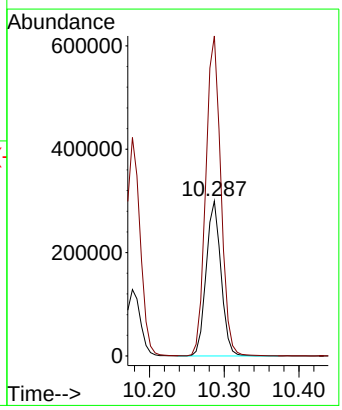


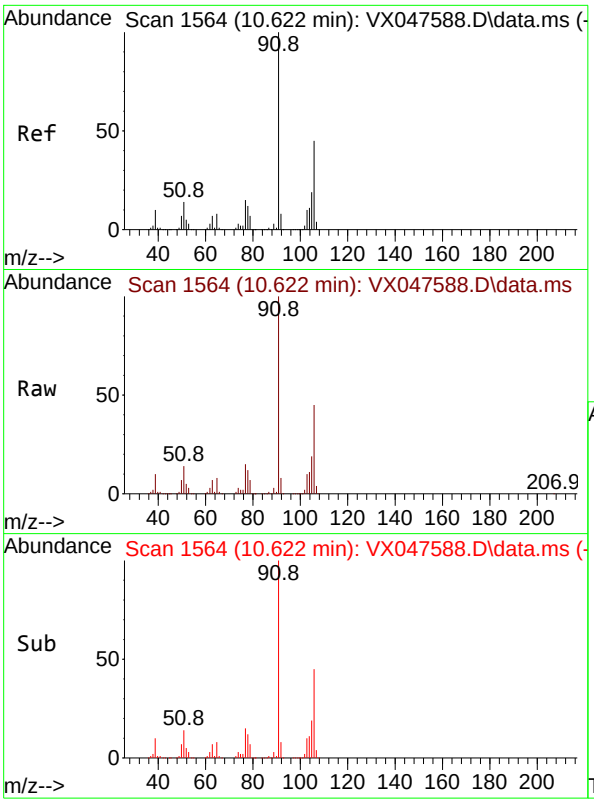


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8



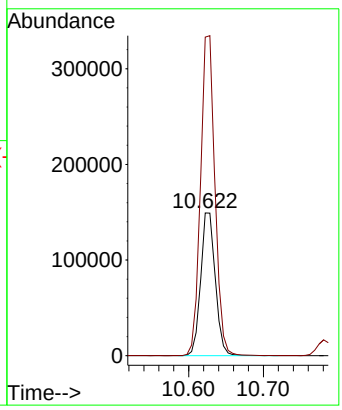


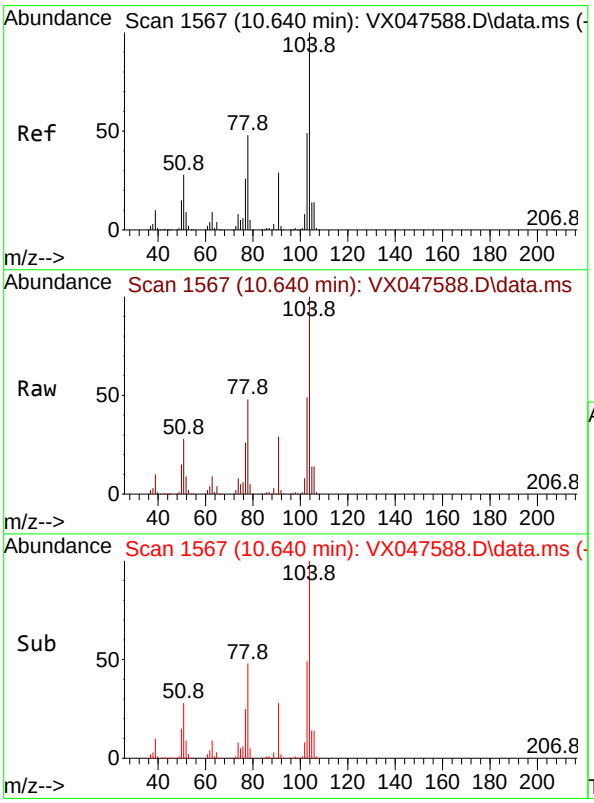
#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 202291

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

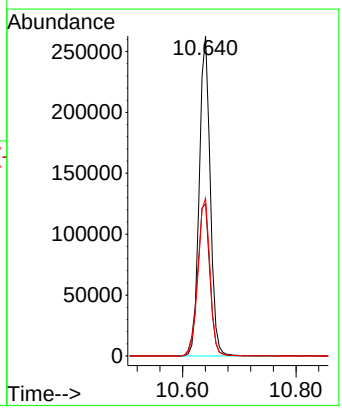


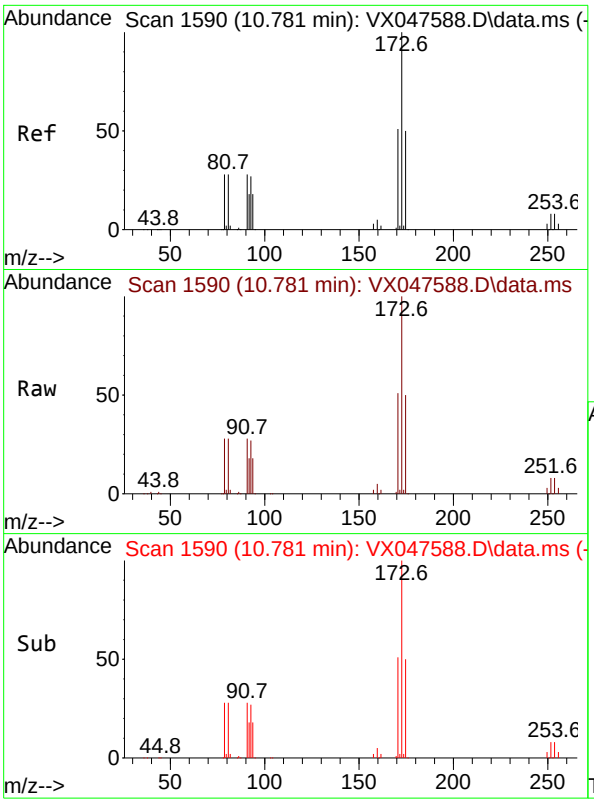


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7



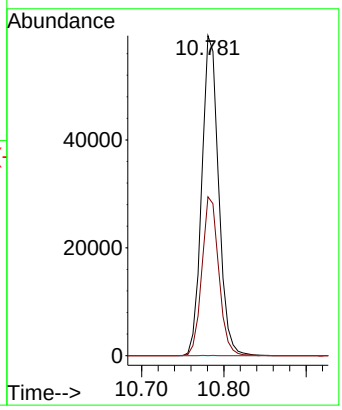


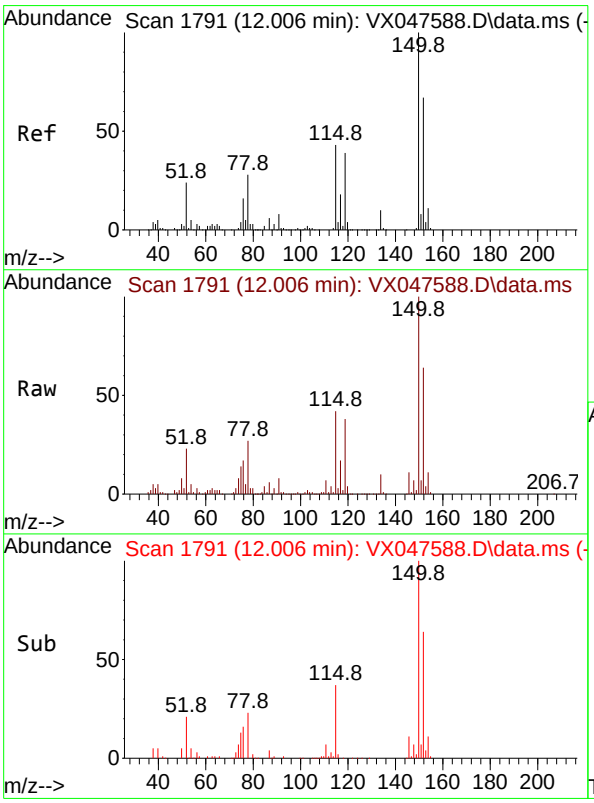
#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 84485

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1#

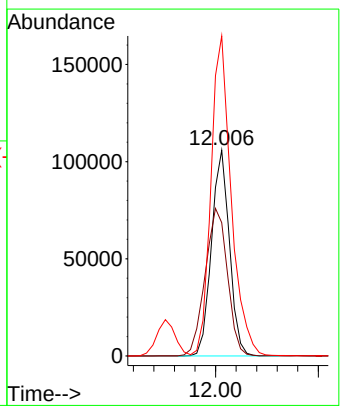


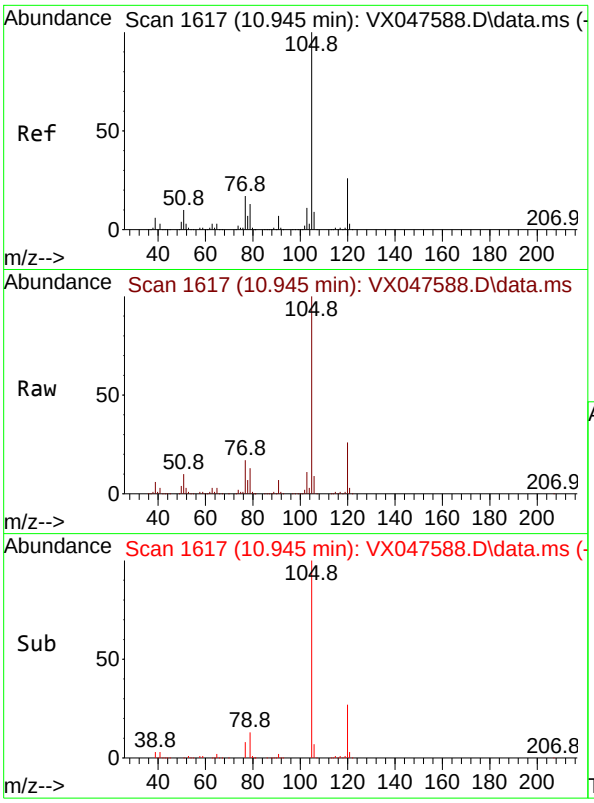


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0



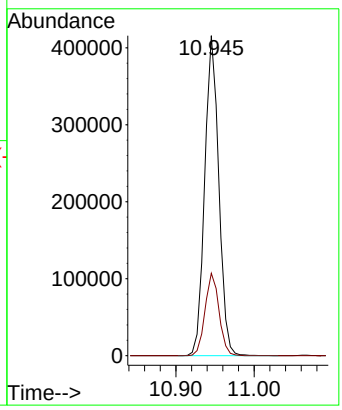


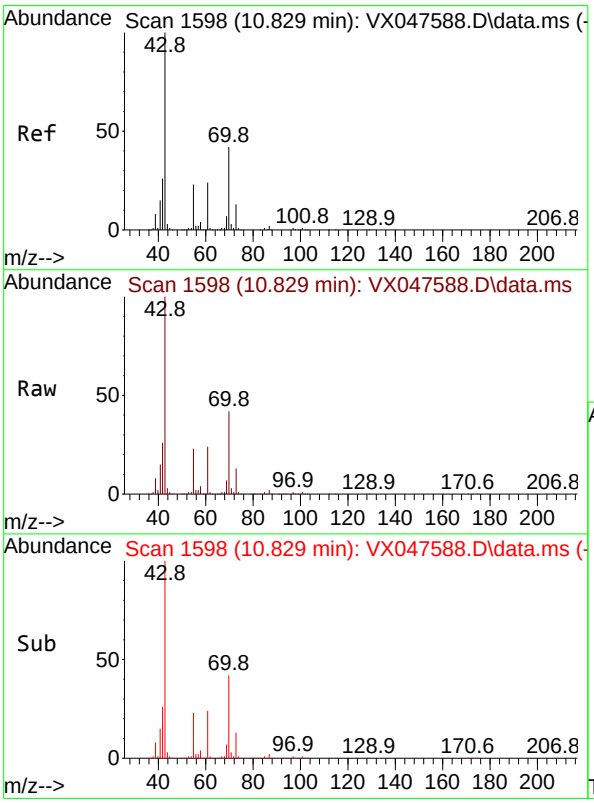
#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 516891

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

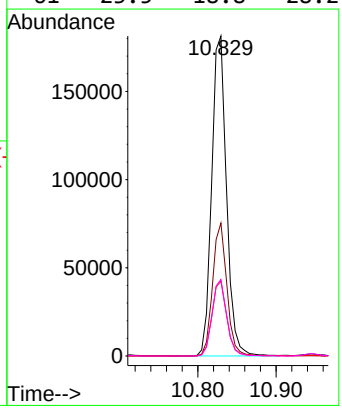


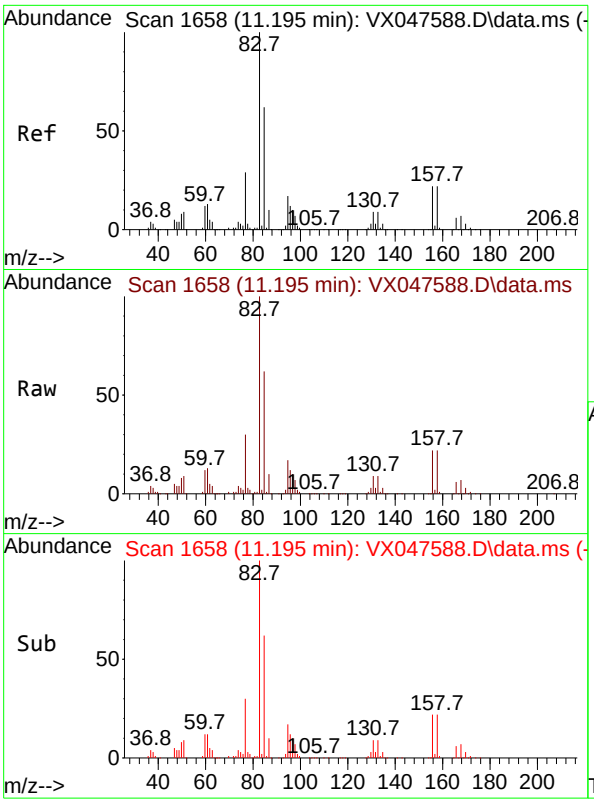


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2



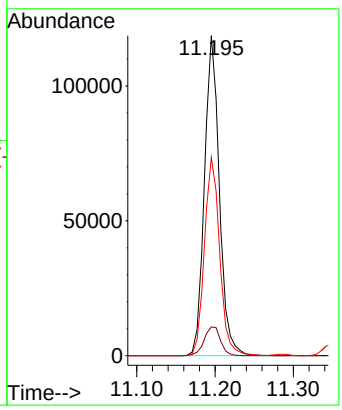


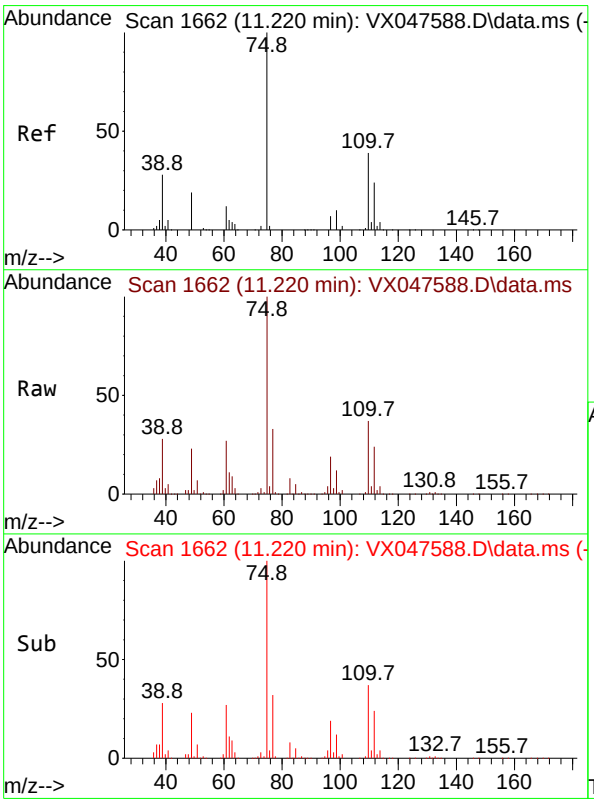
#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 156454

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

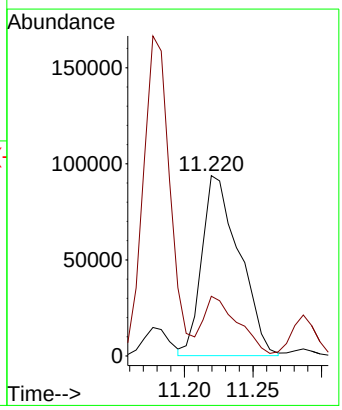


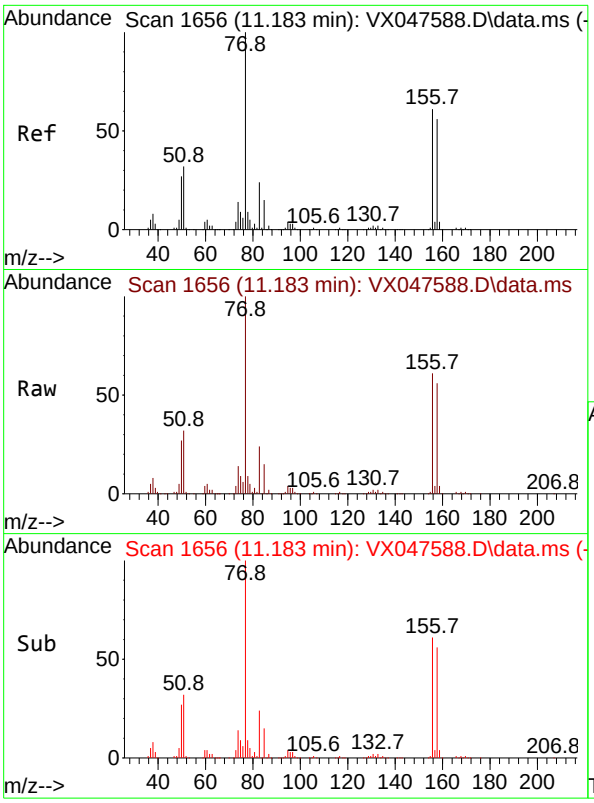


#76
1,2,3-Trichloropropane
Concen: 68.947 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309

Ion	Ratio	Lower	Upper
75	100		
77	30.4	18.8	56.4



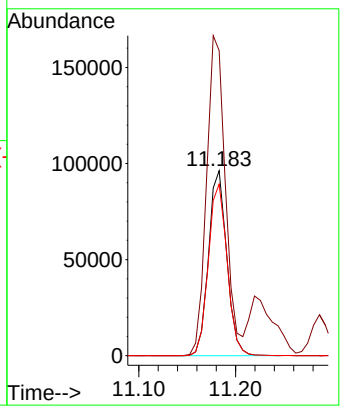


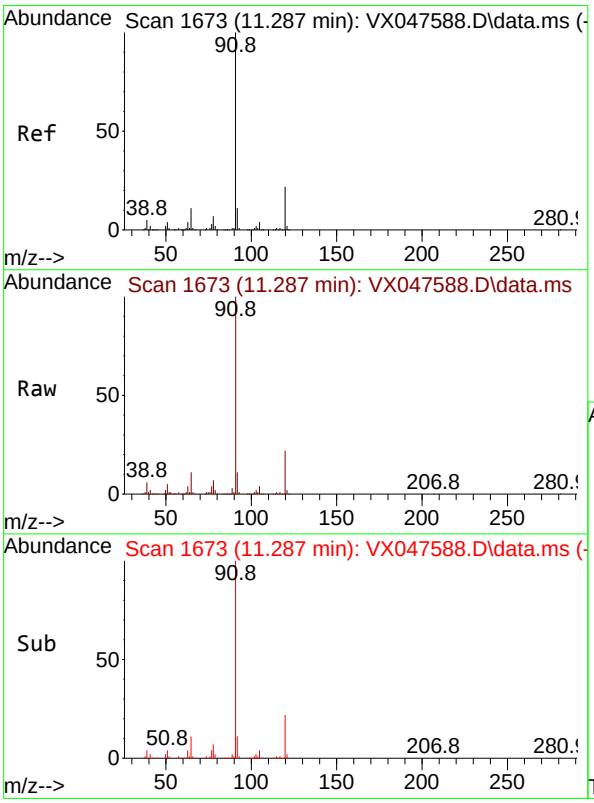
#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 126174

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

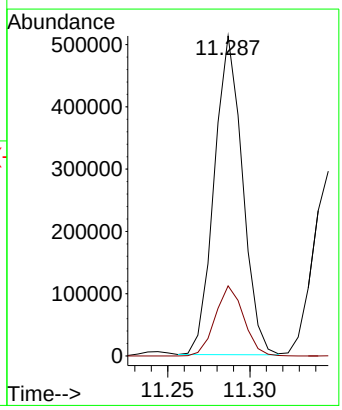


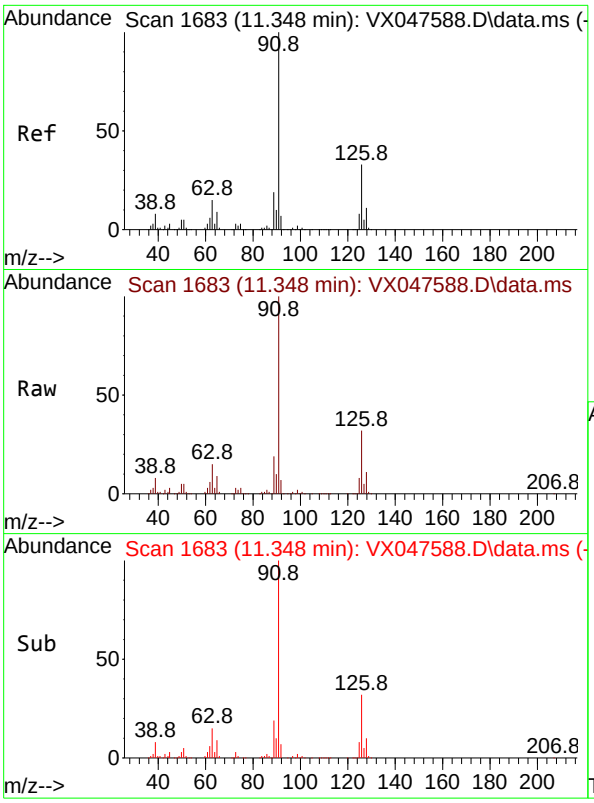


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



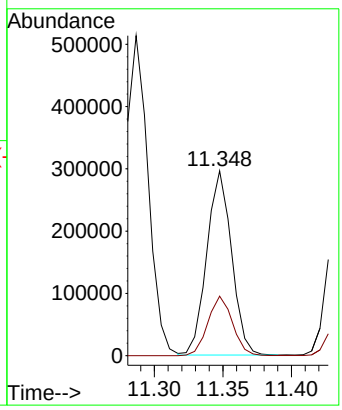


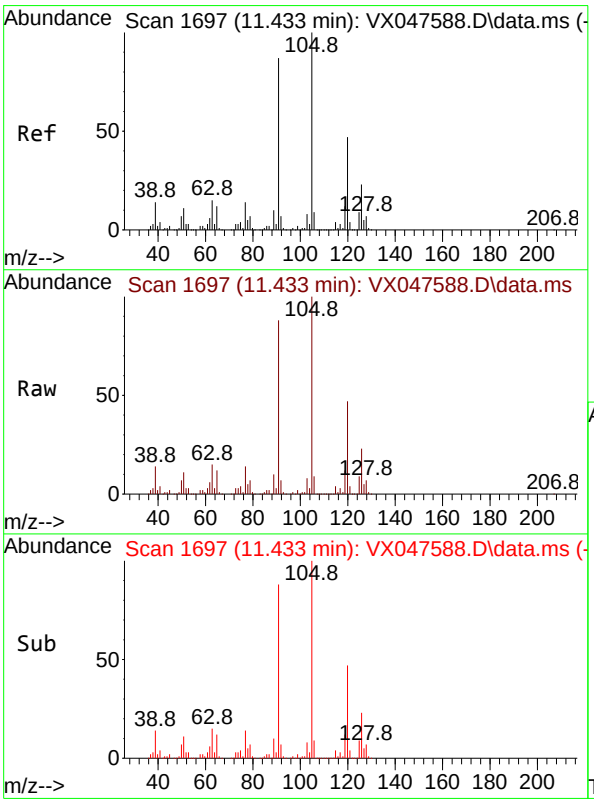
#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 372397

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

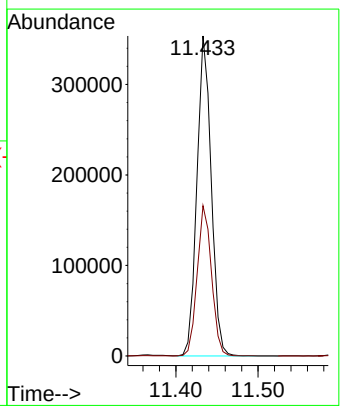


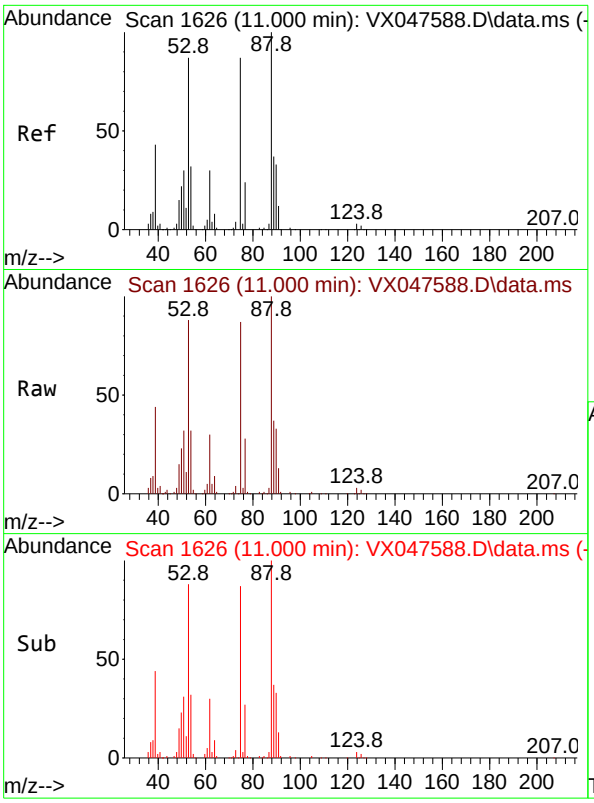


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



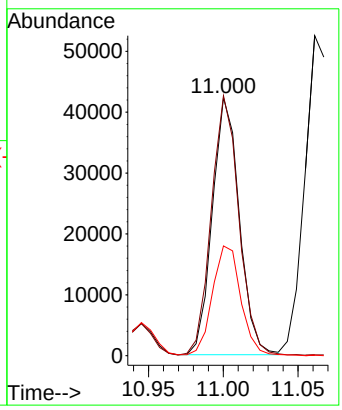


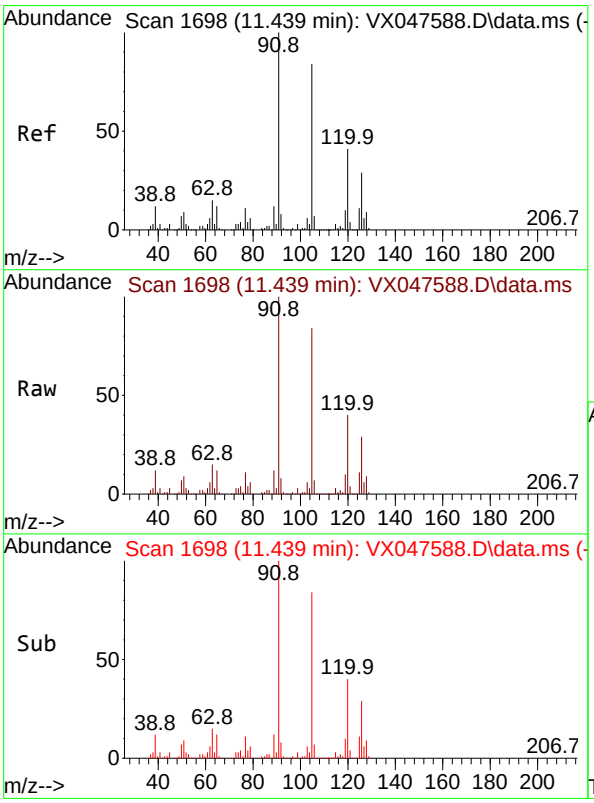
#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 52927

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5

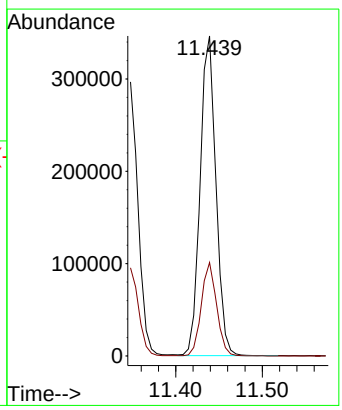


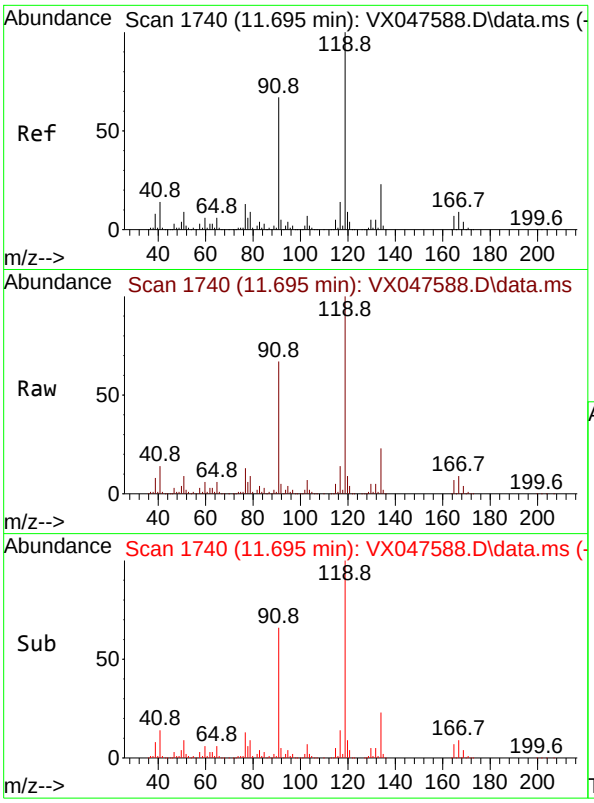


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



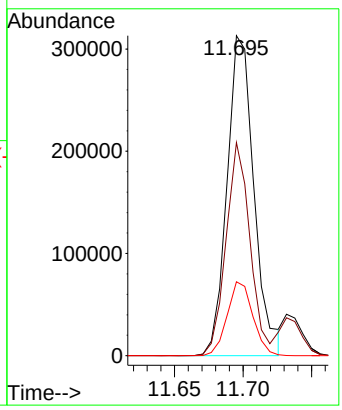


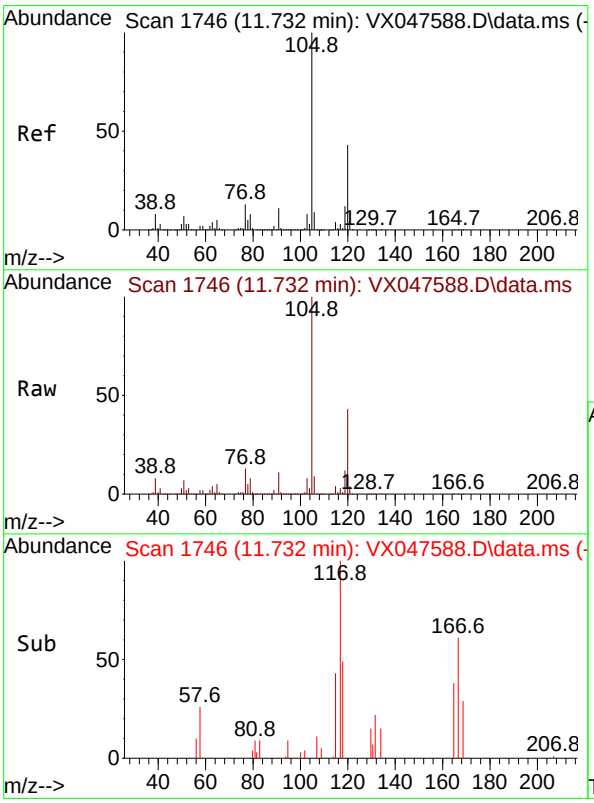
#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 429107

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0

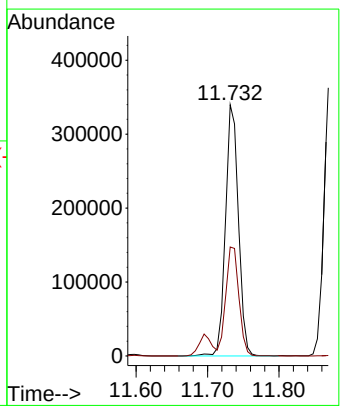


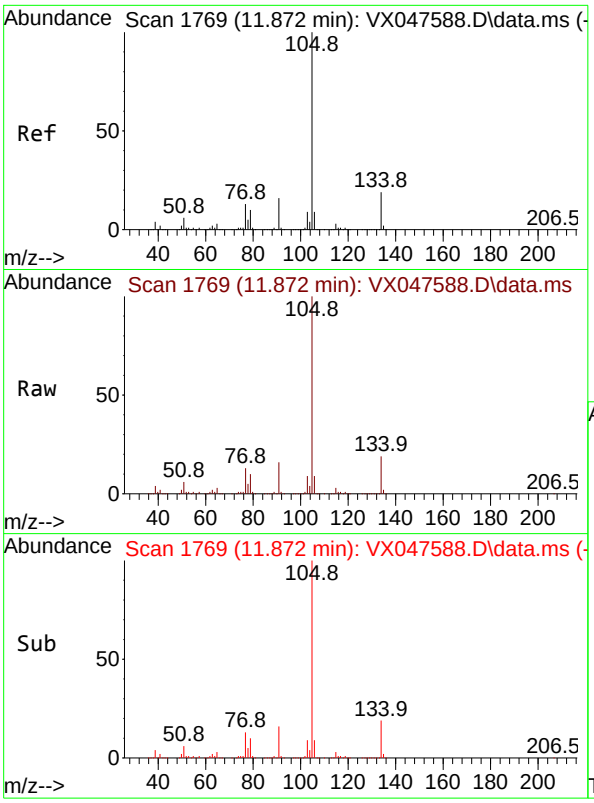


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



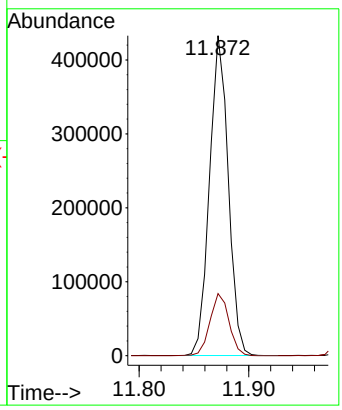


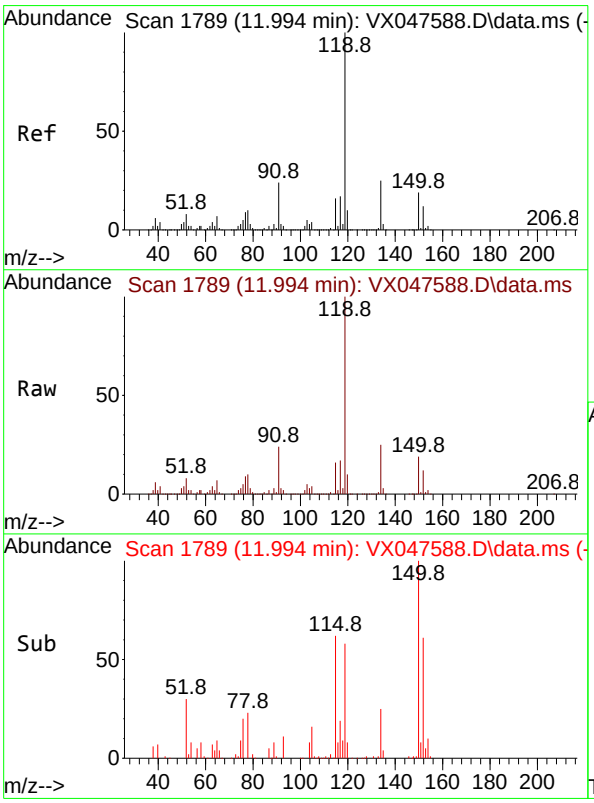
#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 514442

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

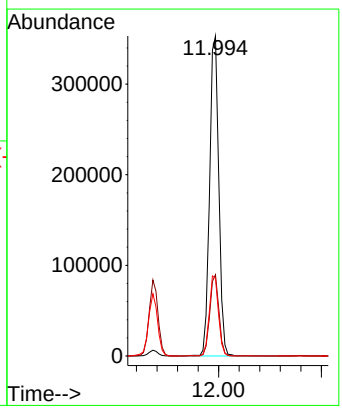


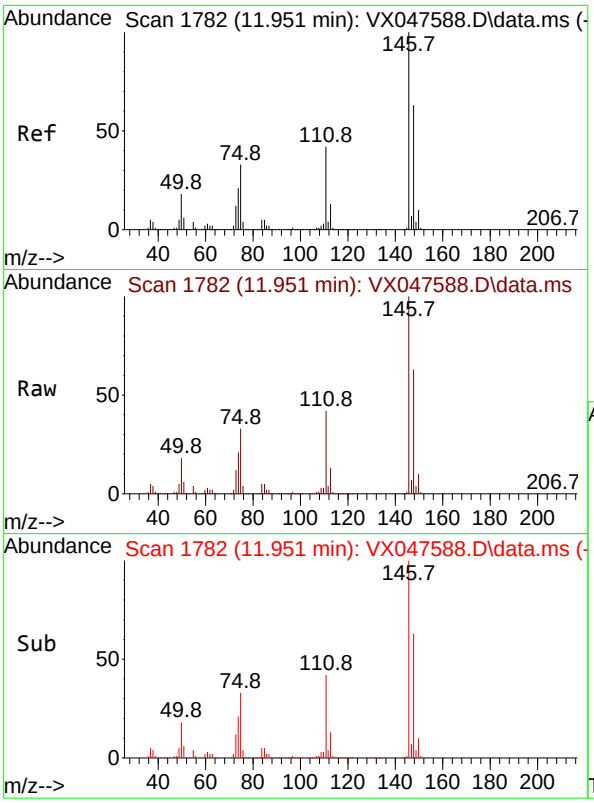


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6



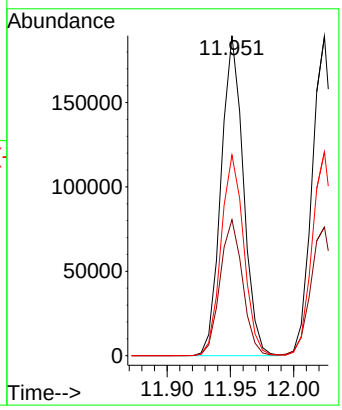


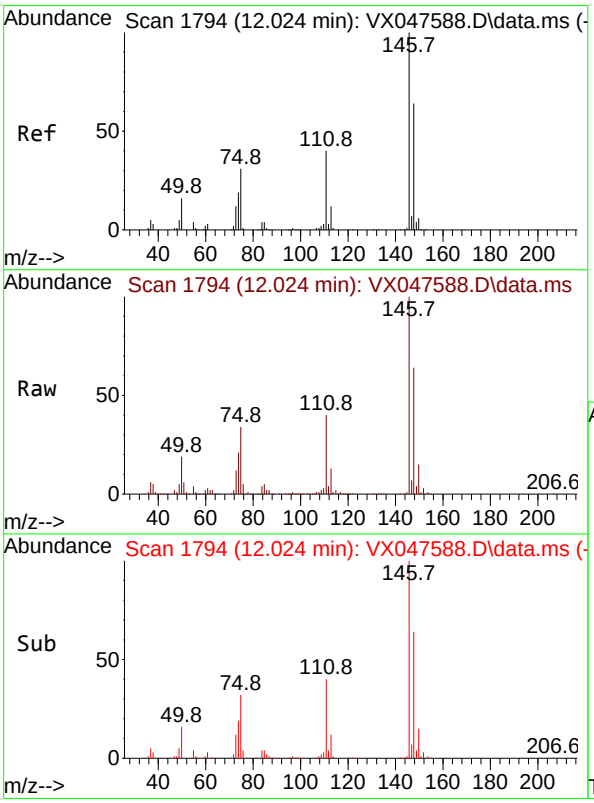
#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 232038

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0

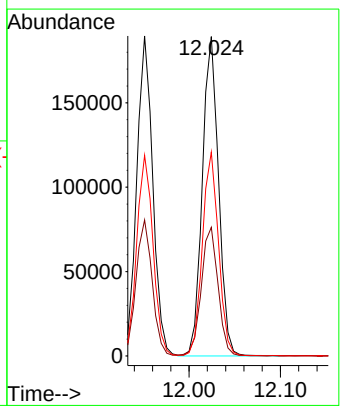


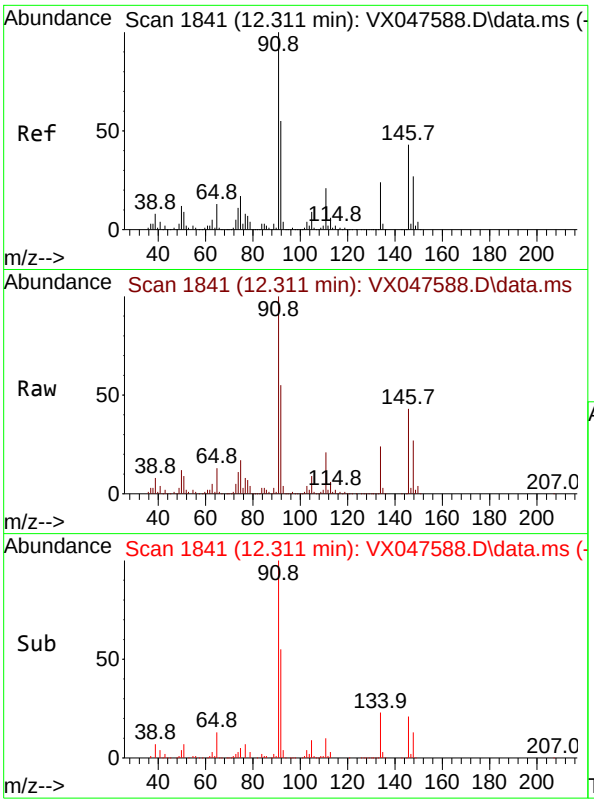


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1



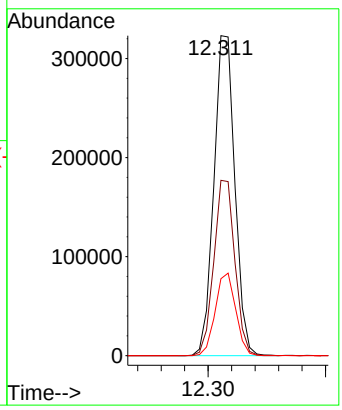


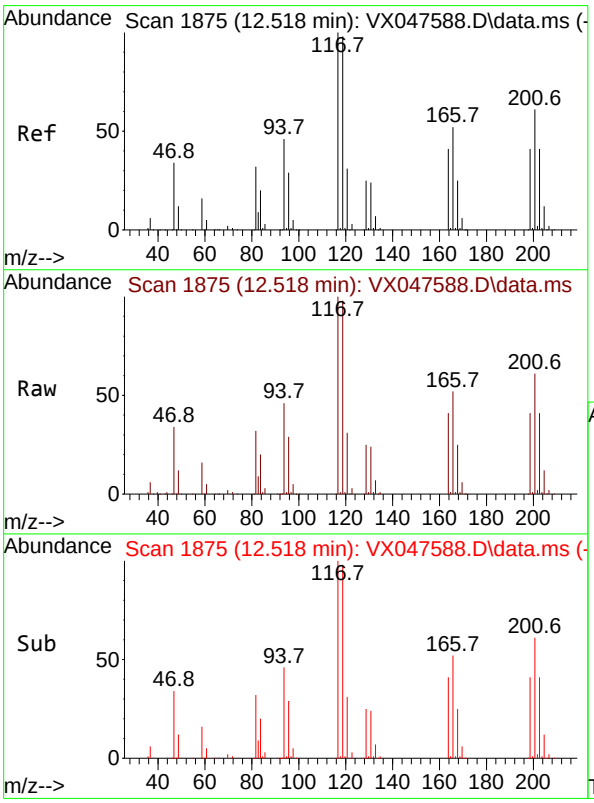
#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 400997

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8

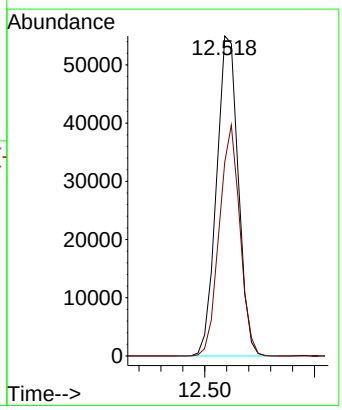


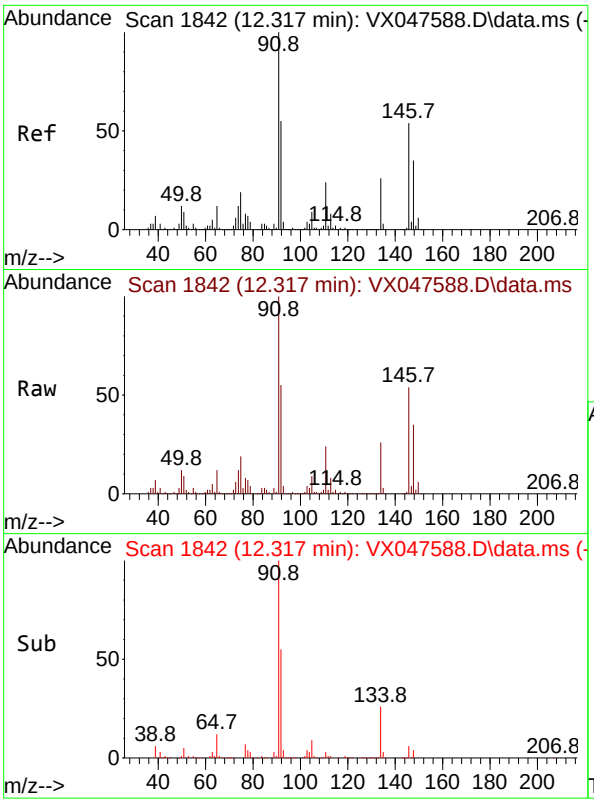


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5



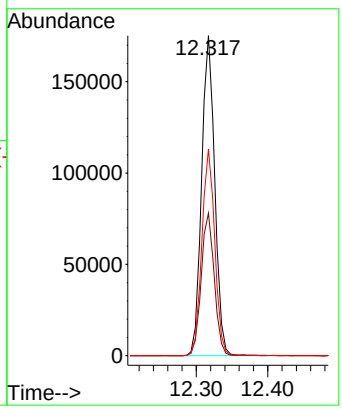


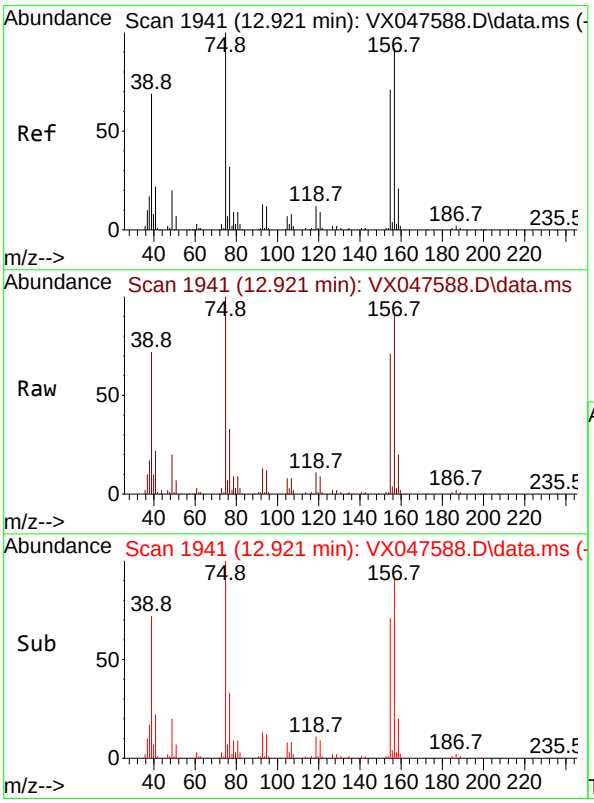
#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 222993

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4

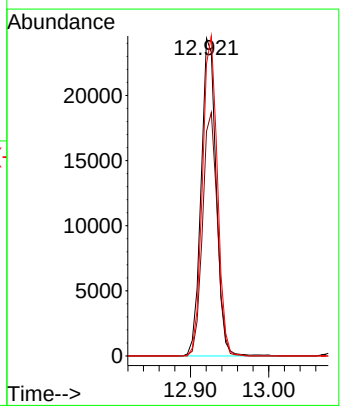


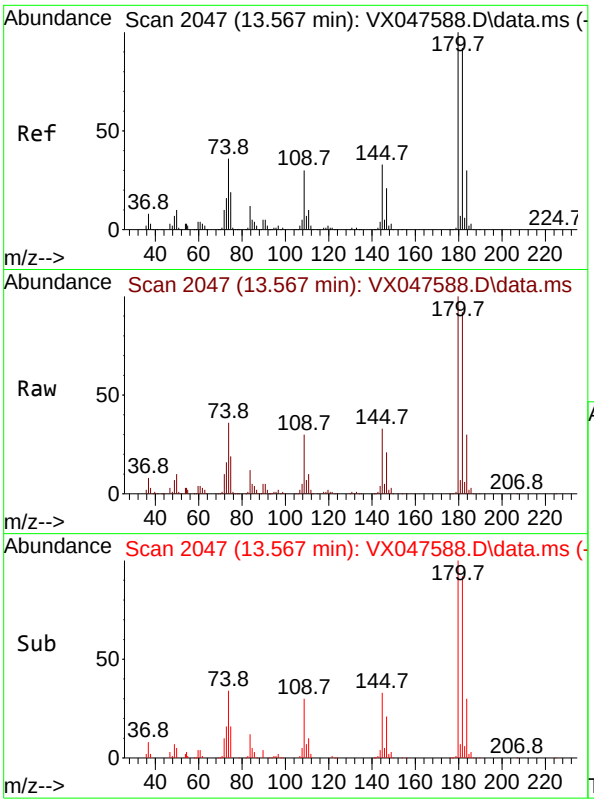


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4



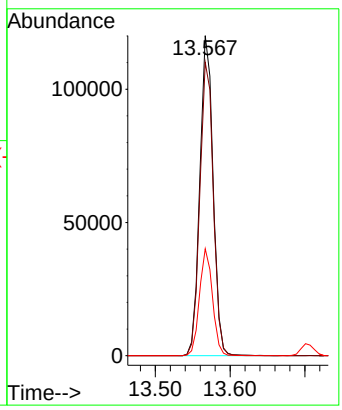


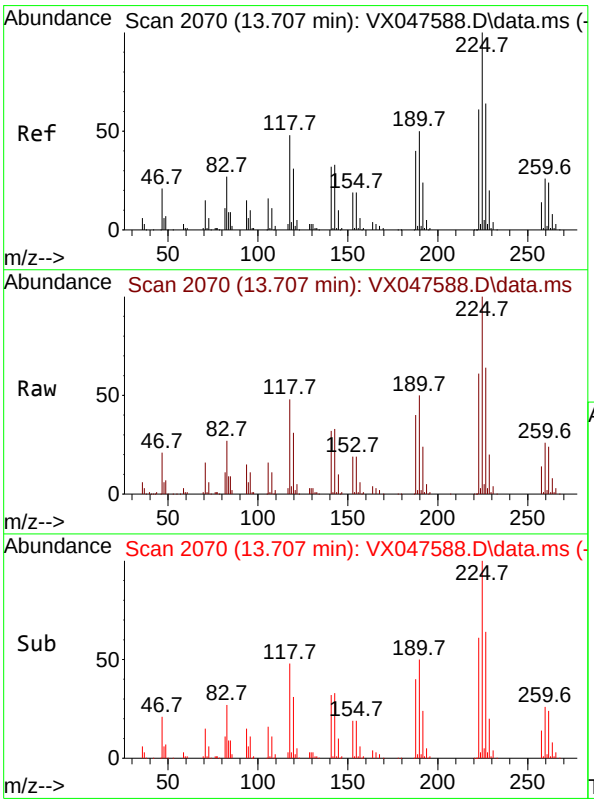
#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 147670

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1

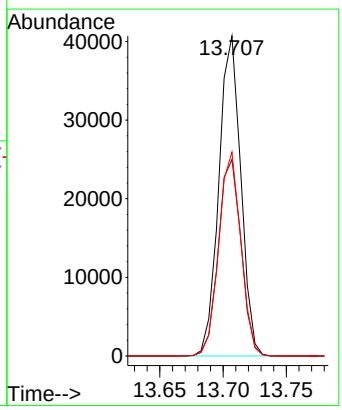


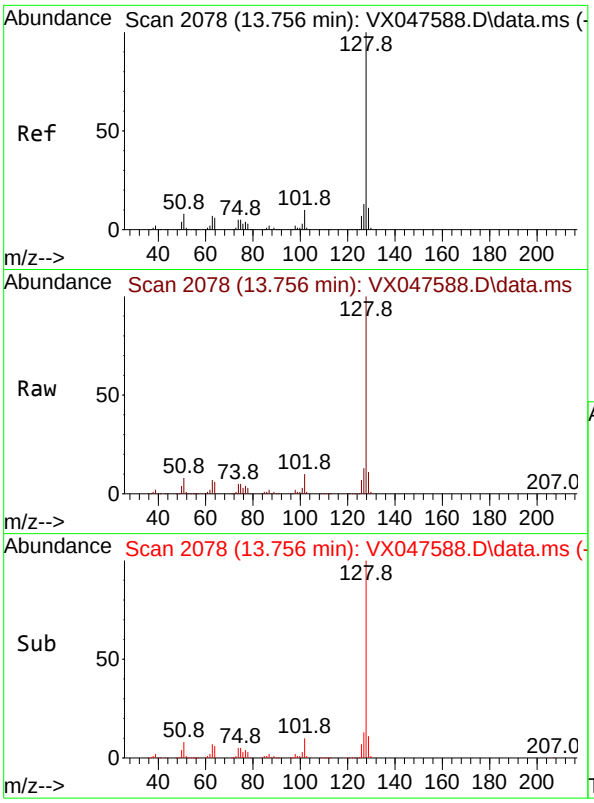


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0



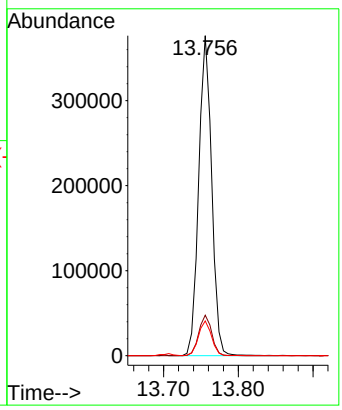


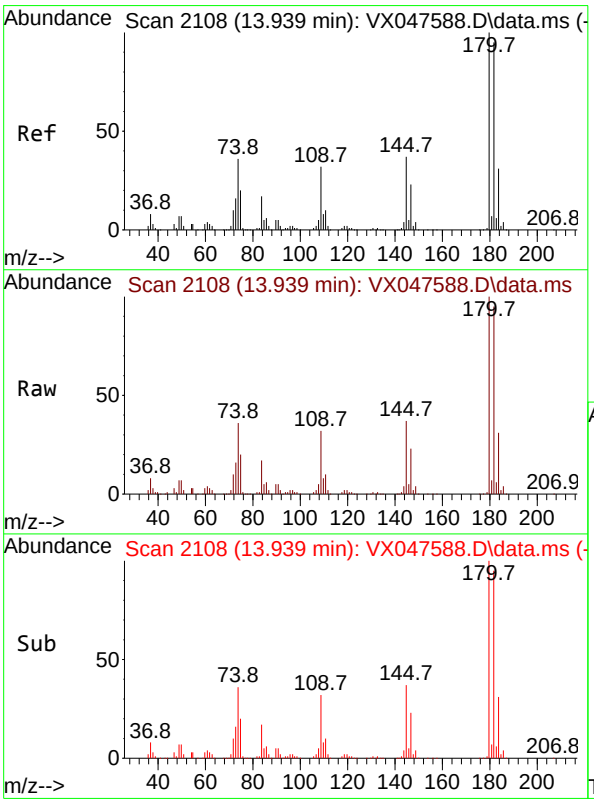
#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 452013

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

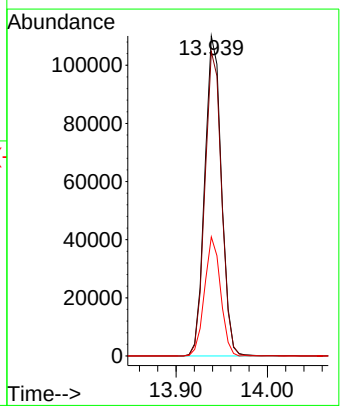




#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	327988	132.545	ug/l	89
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

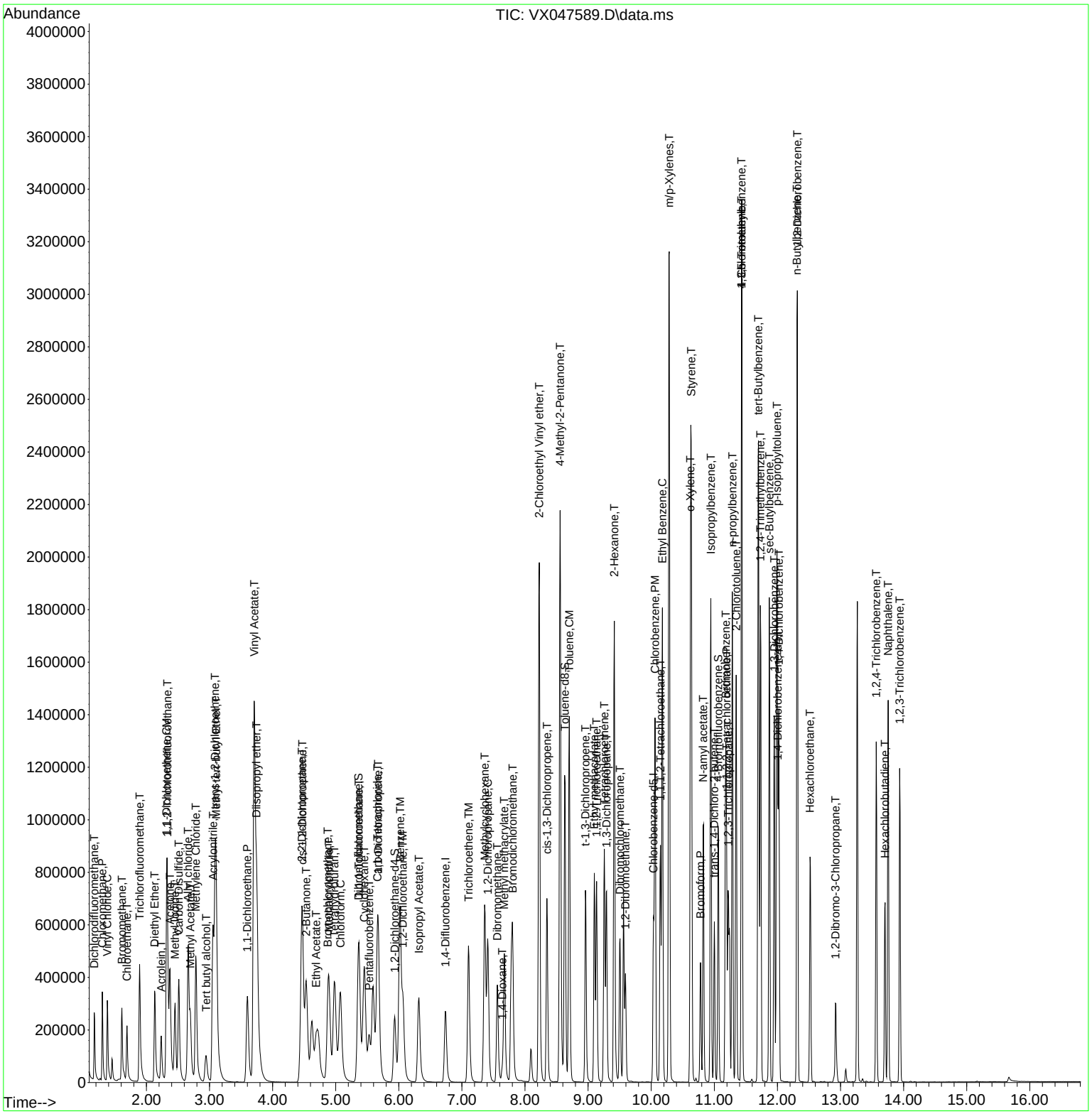
(#) = qualifier out of range (m) = manual integration (+) = signals summed

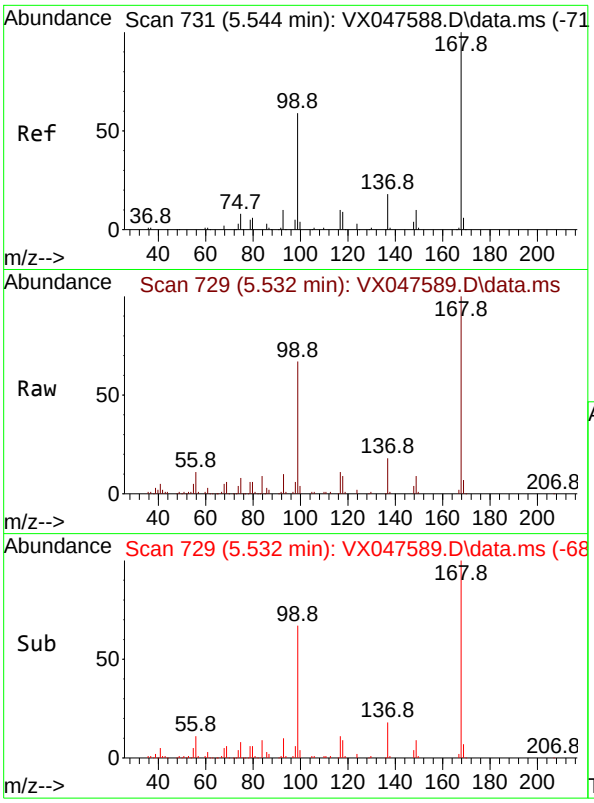
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



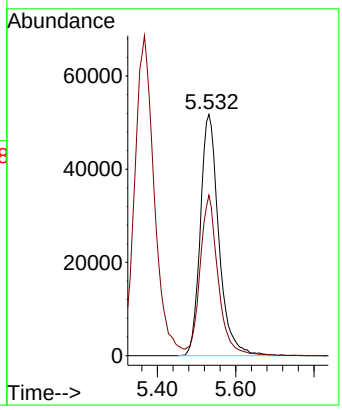


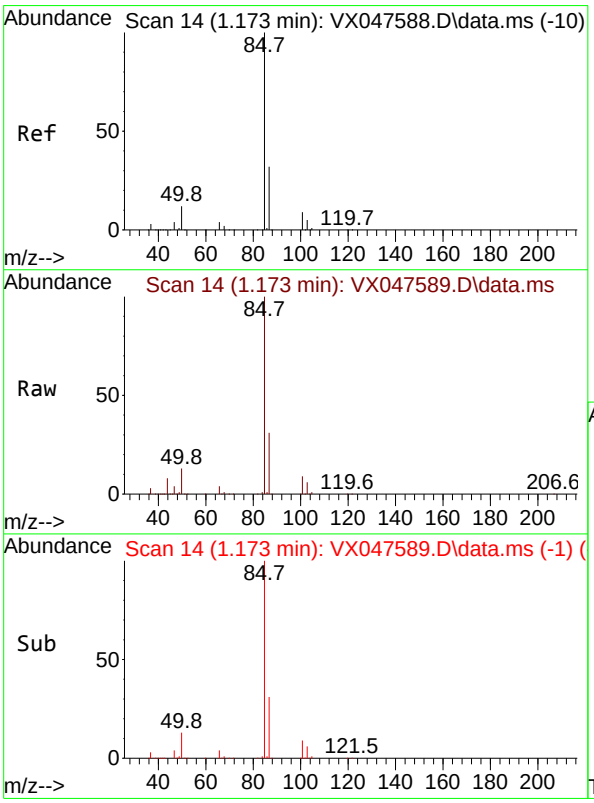
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 169280

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2

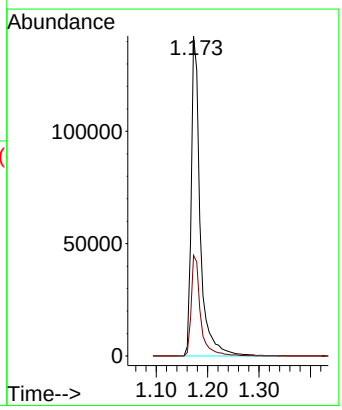


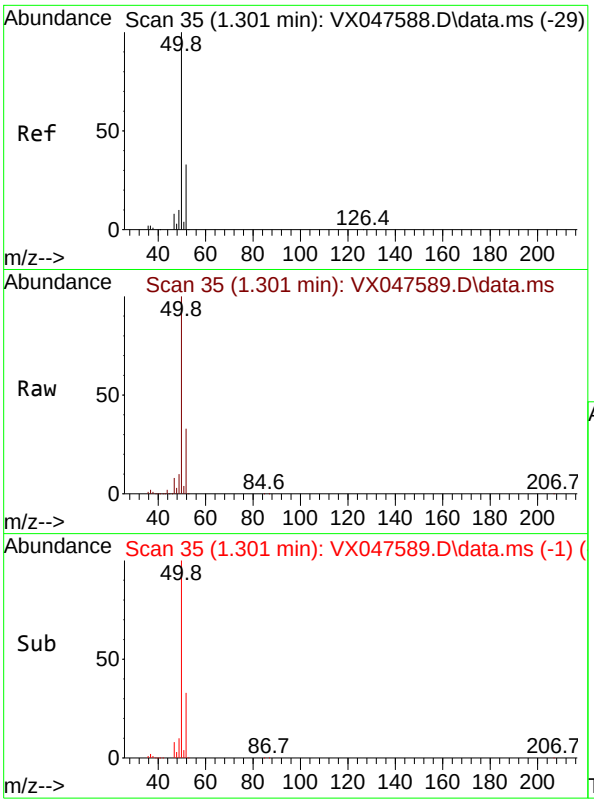


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3



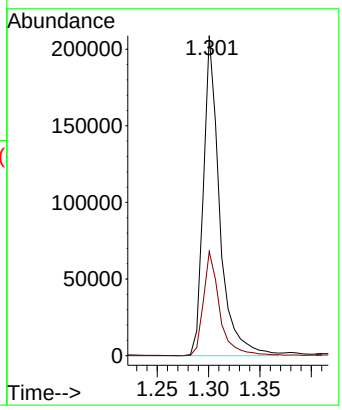


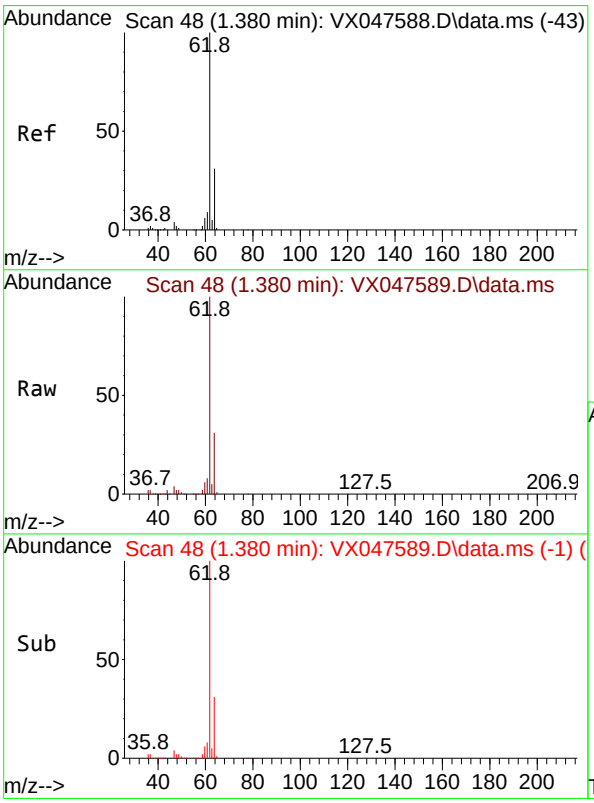
#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 229165

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

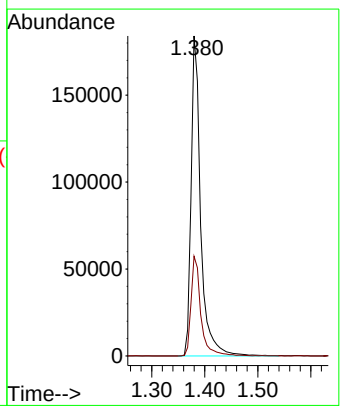


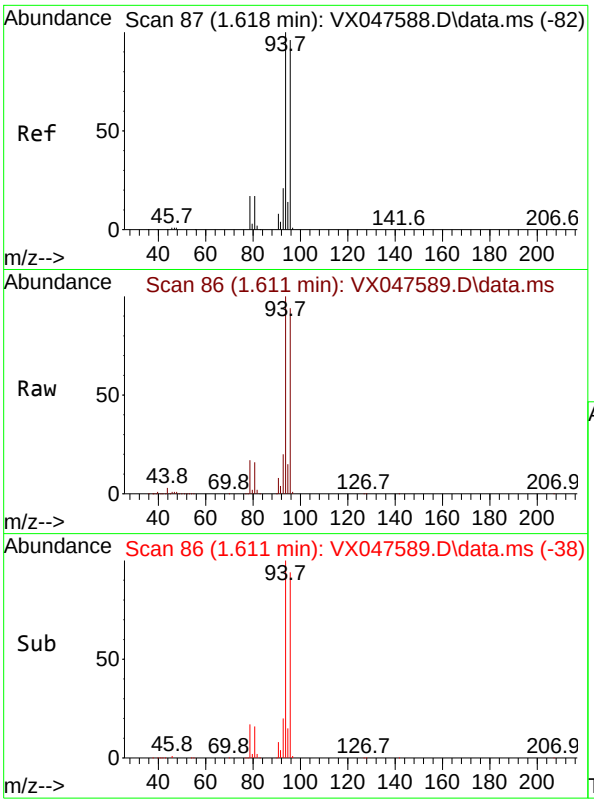


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



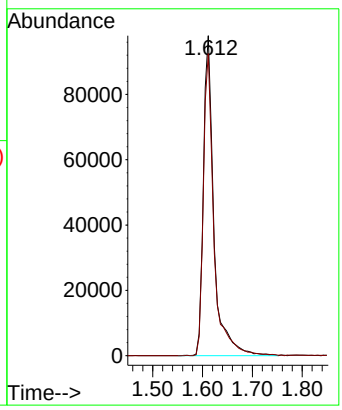


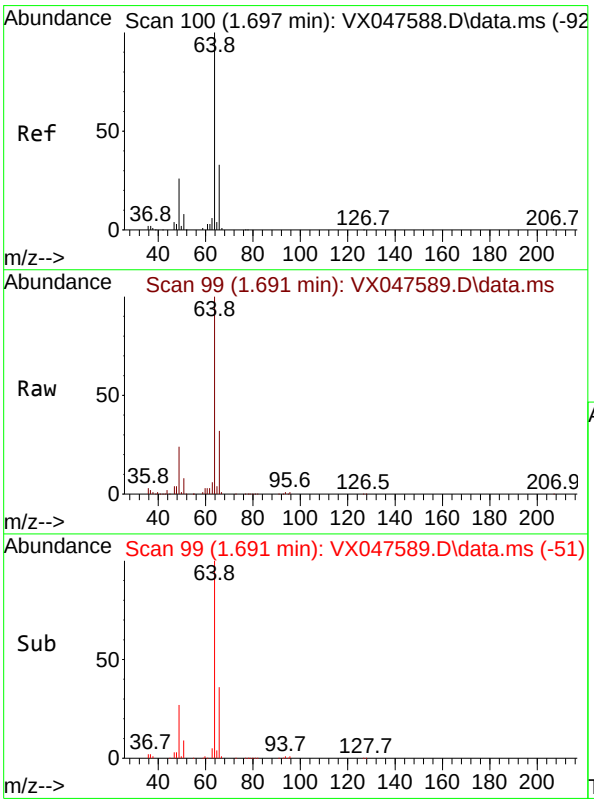
#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 143113

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

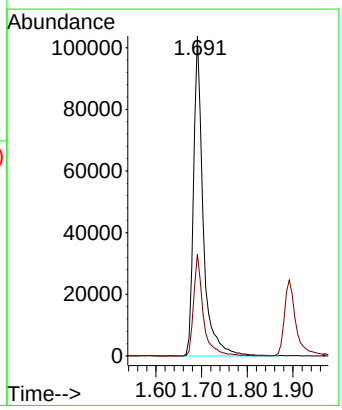


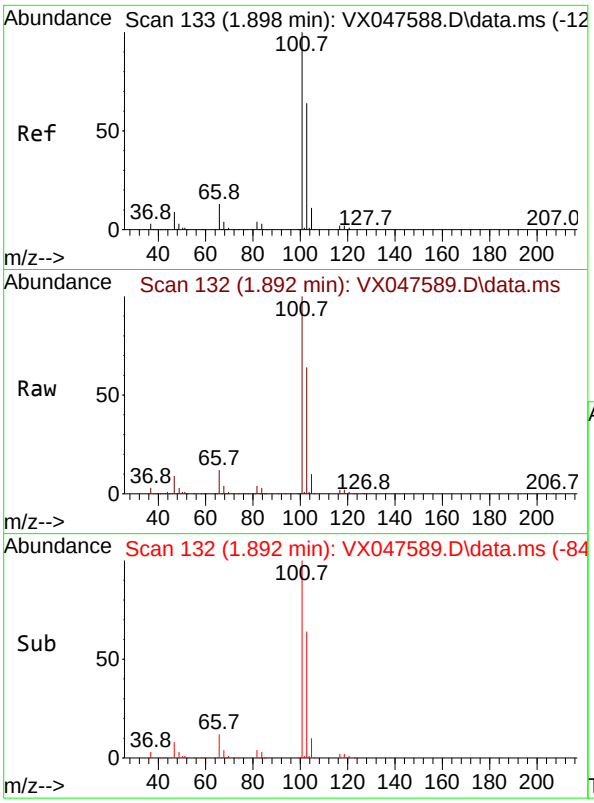


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1



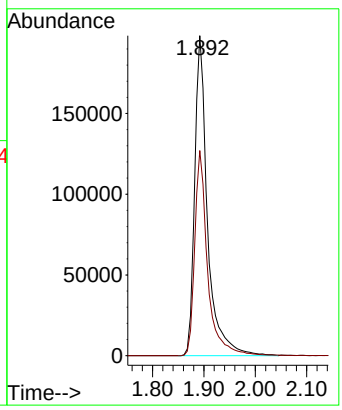


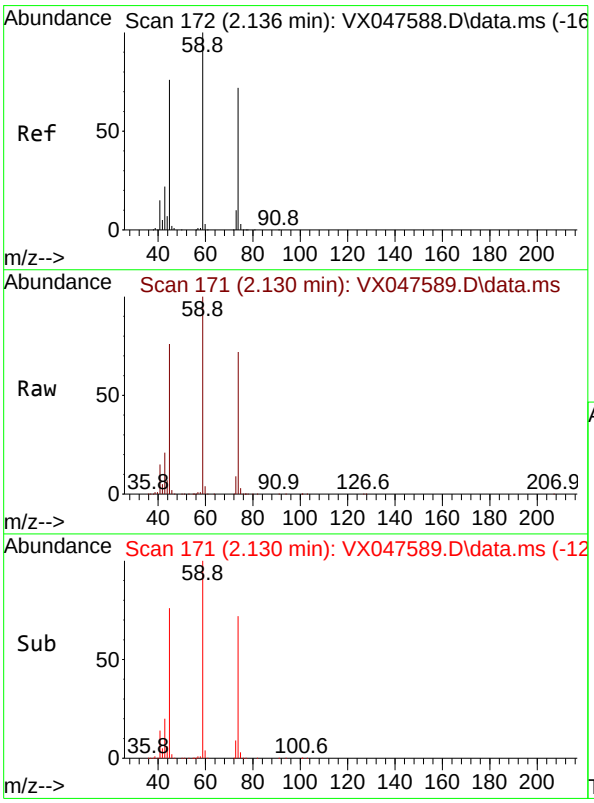
#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 344488

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

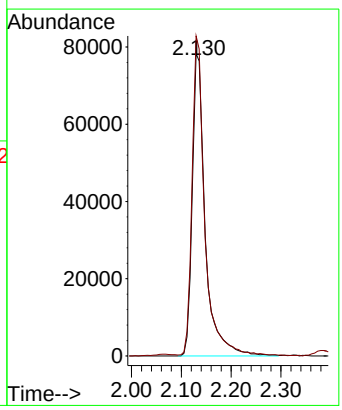


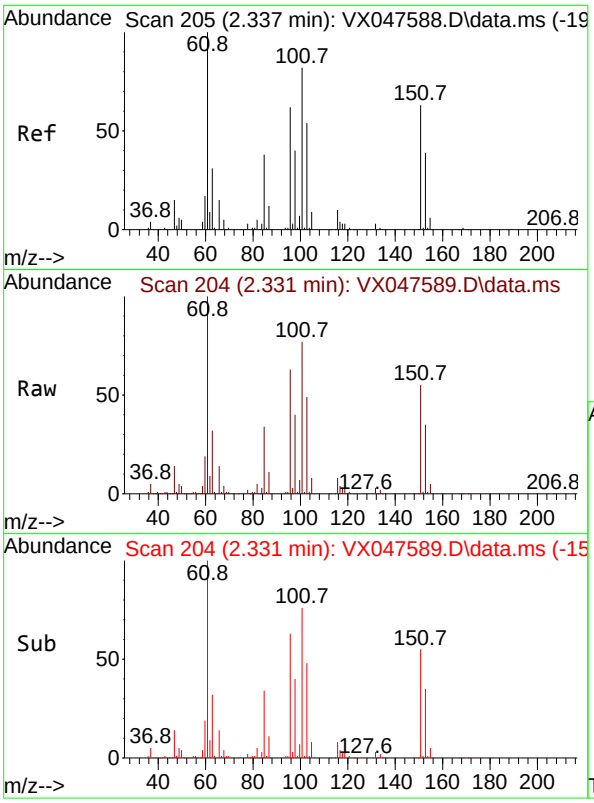


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8



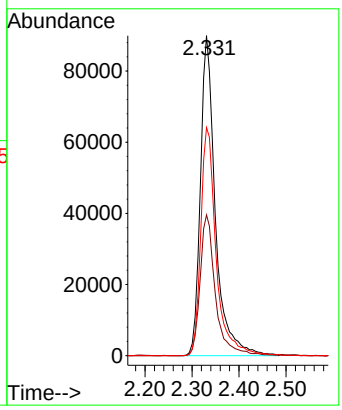


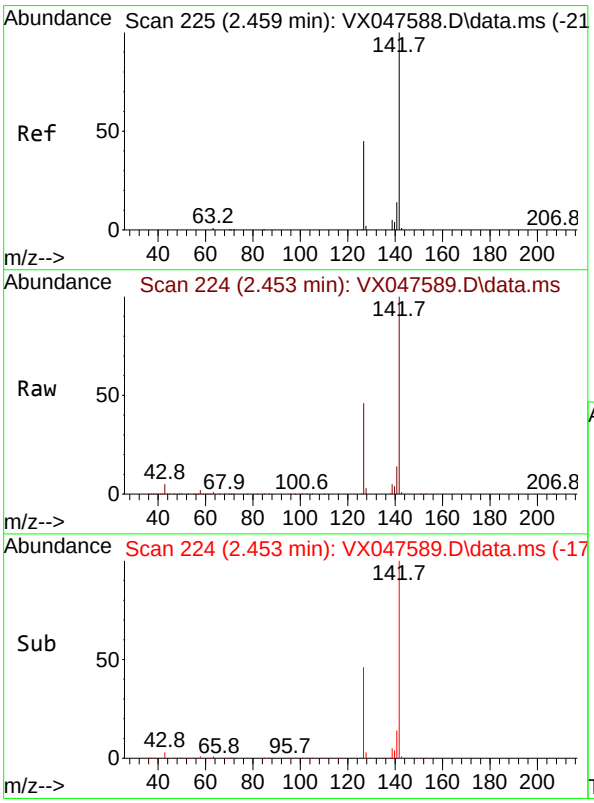
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 199843

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0

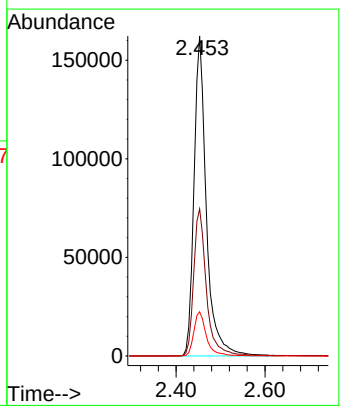


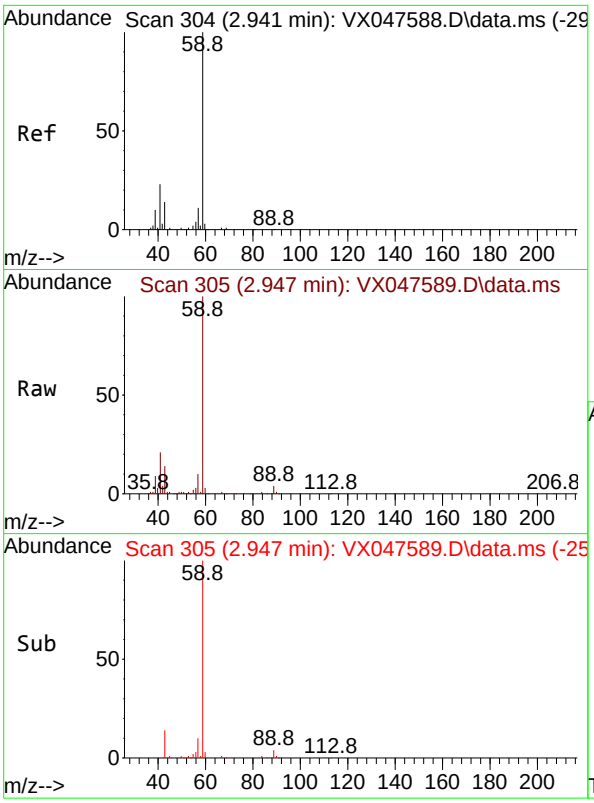


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0



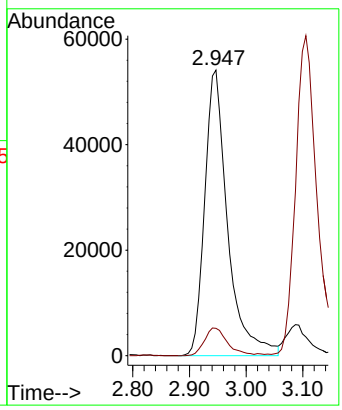


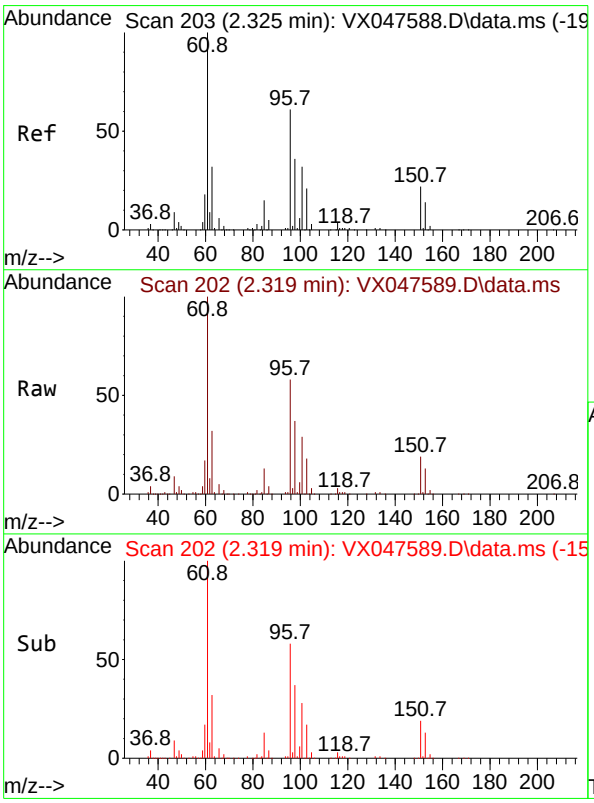
#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 152108

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

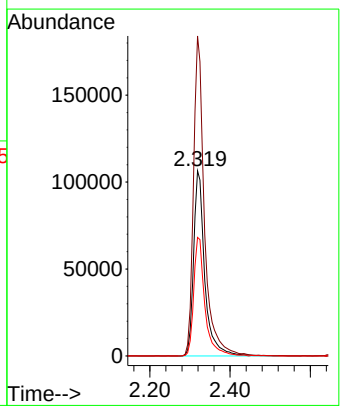


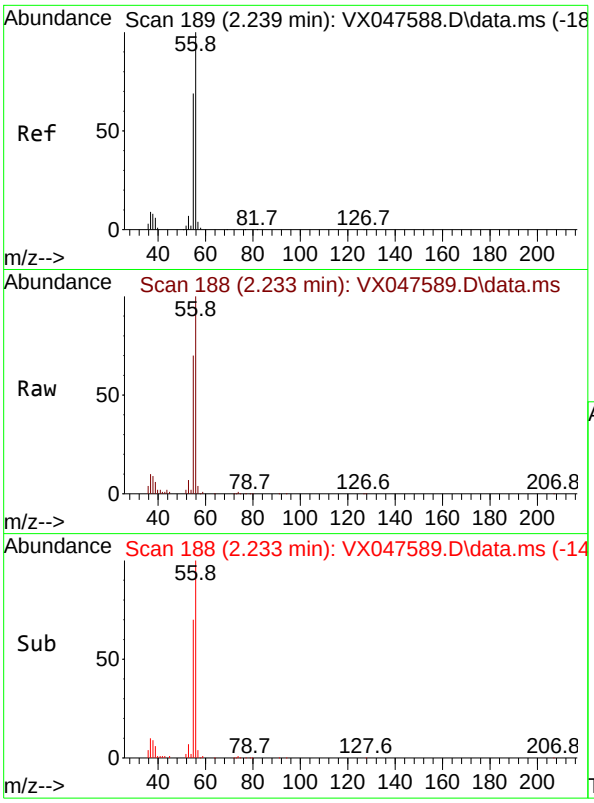


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5



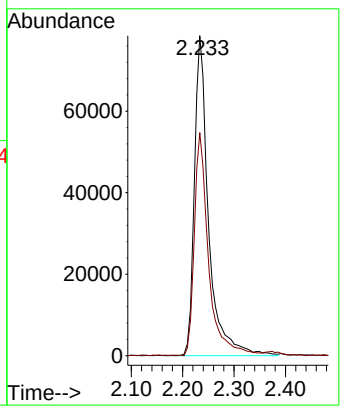


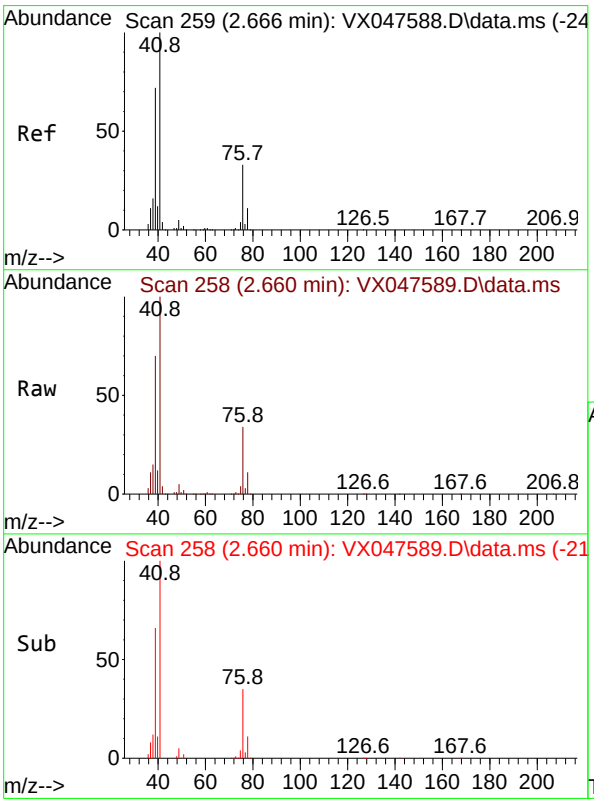
#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 150793

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

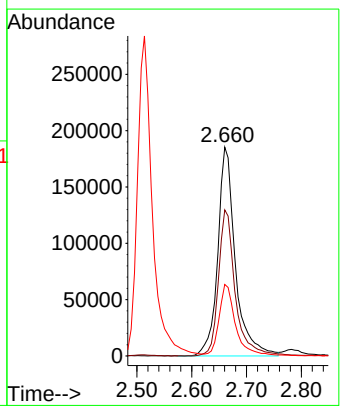


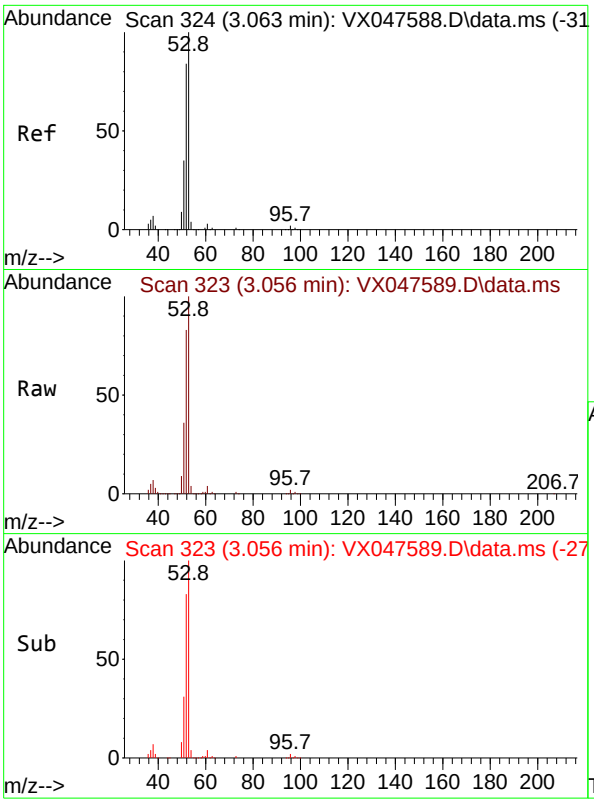


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5



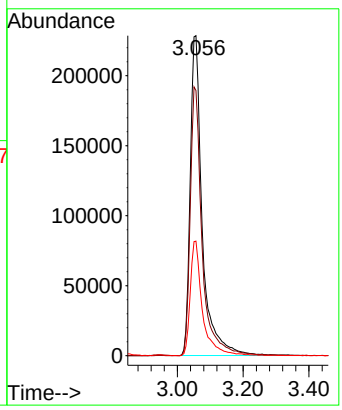


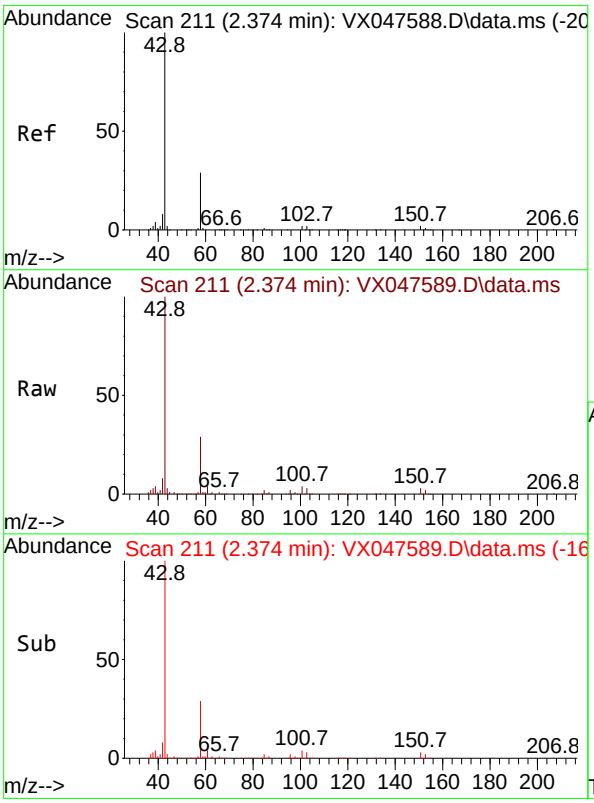
#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 581240

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3

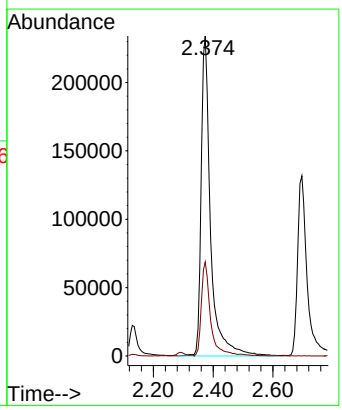


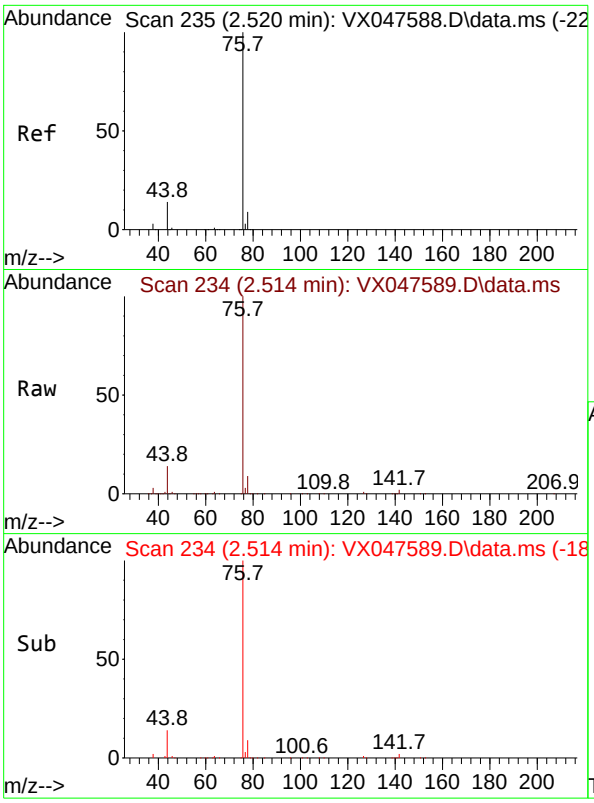


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



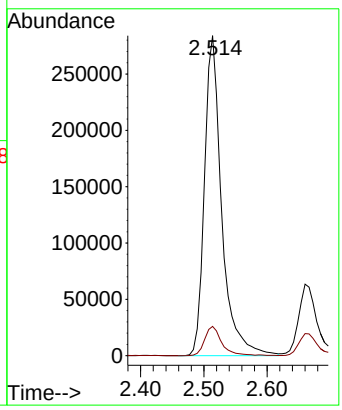


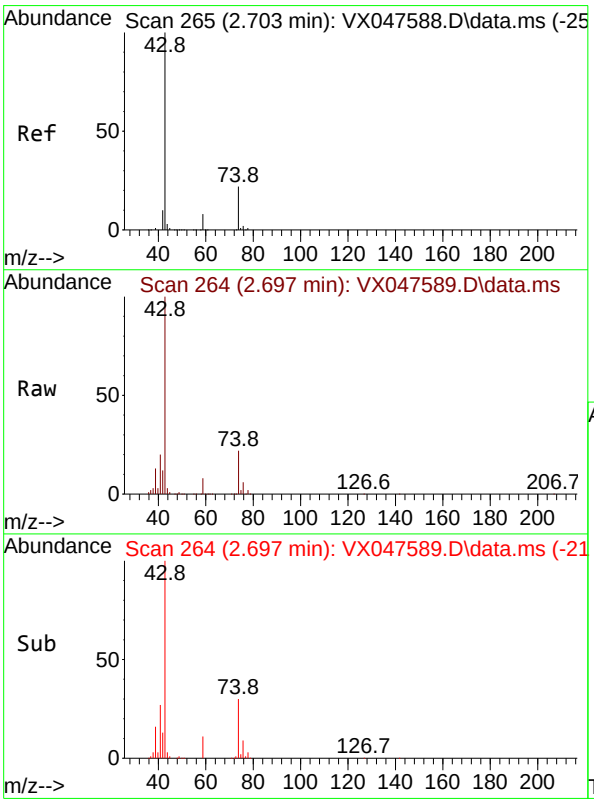
#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 537888

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

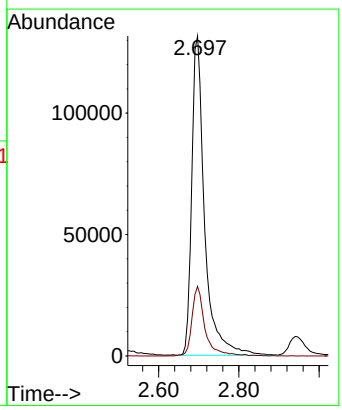


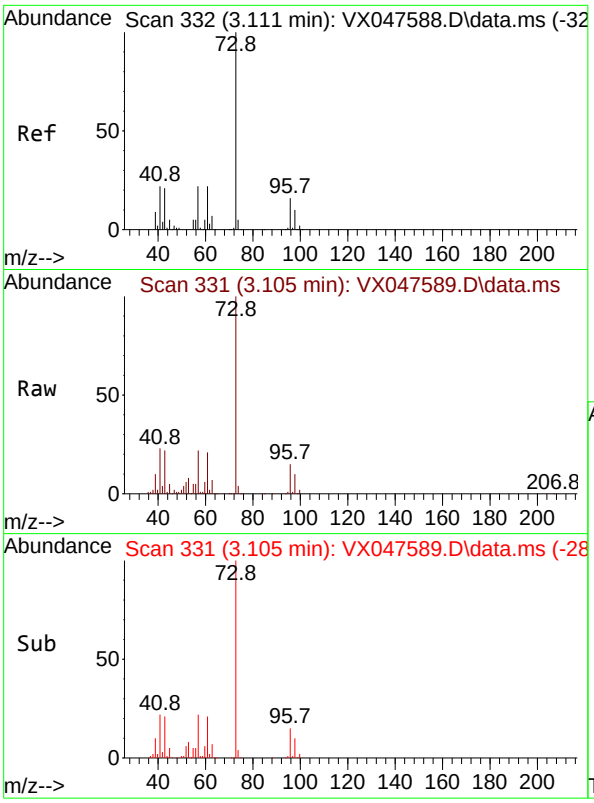


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



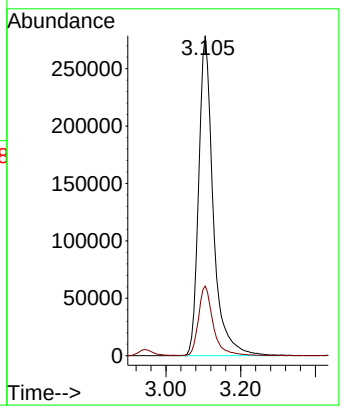


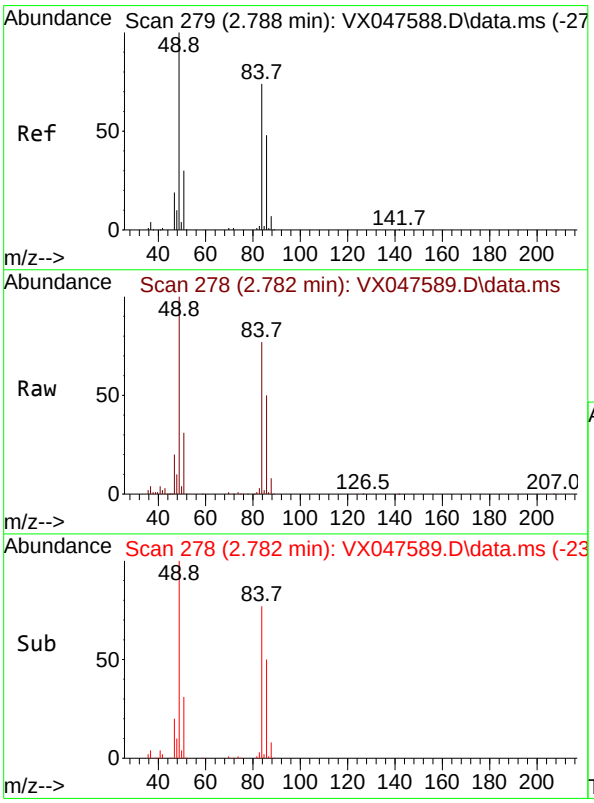
#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 748952

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

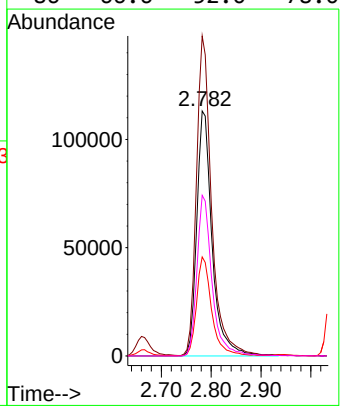


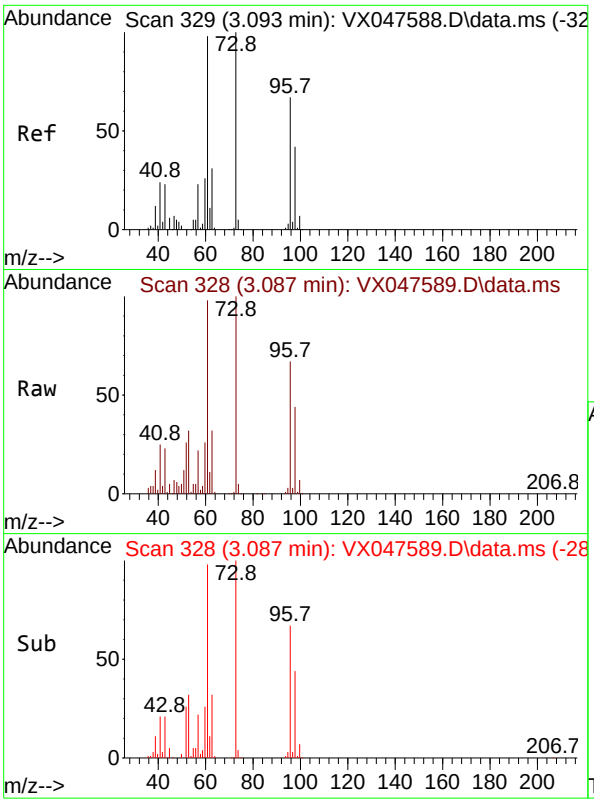


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0



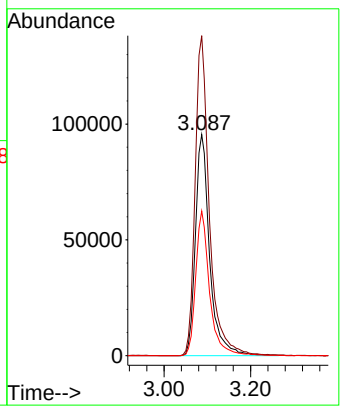


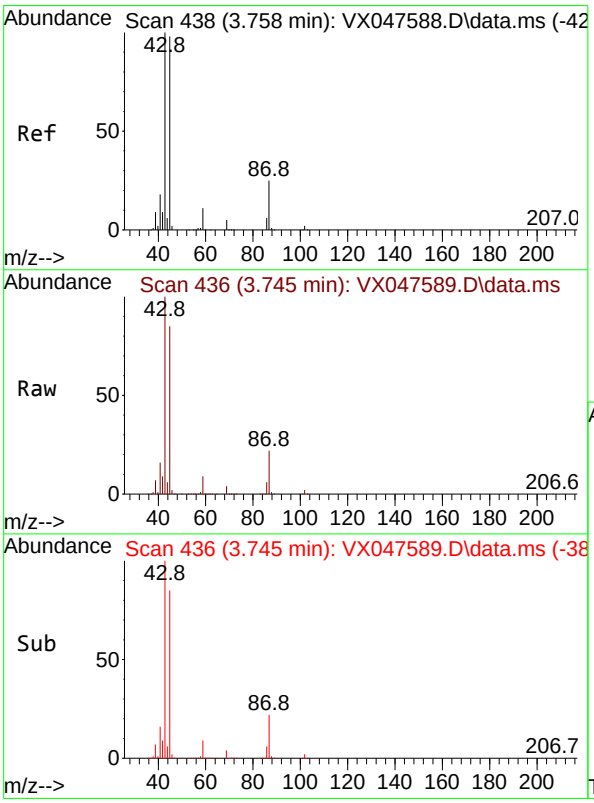
#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 217759

Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9

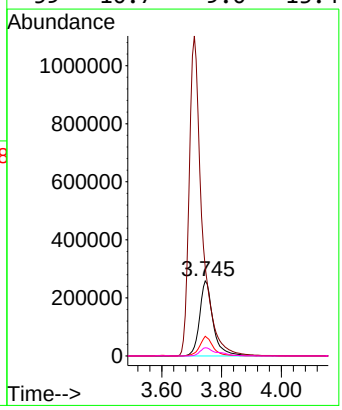


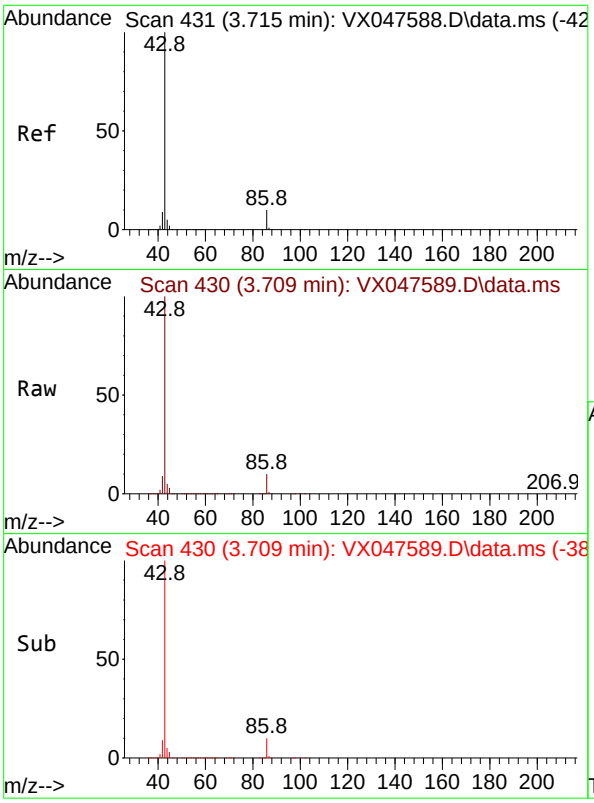


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4



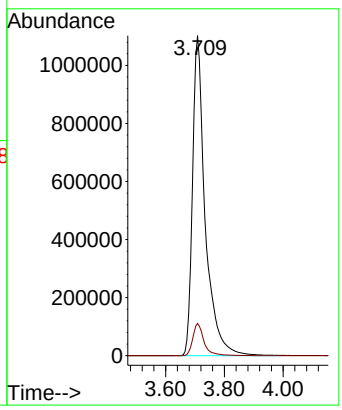


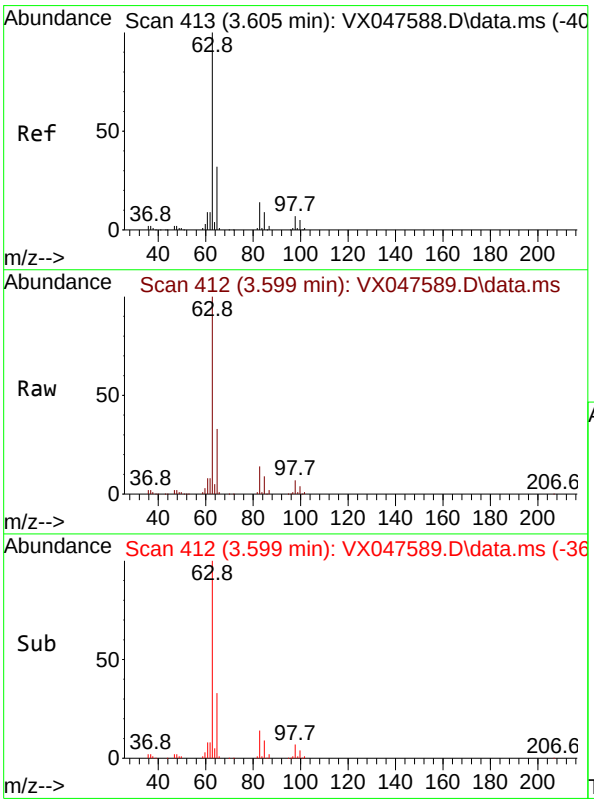
#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3314707

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

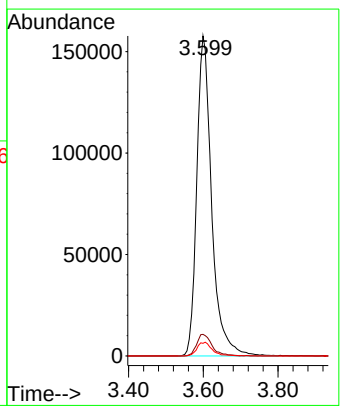


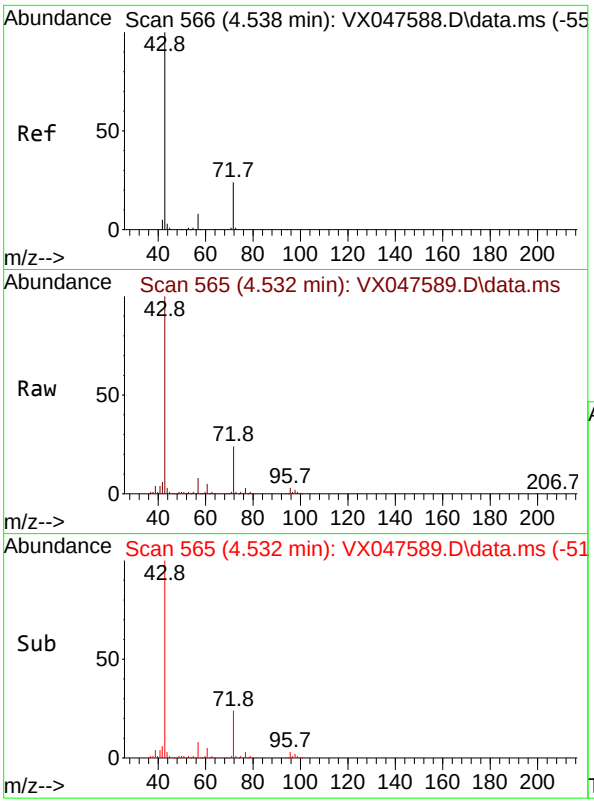


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9



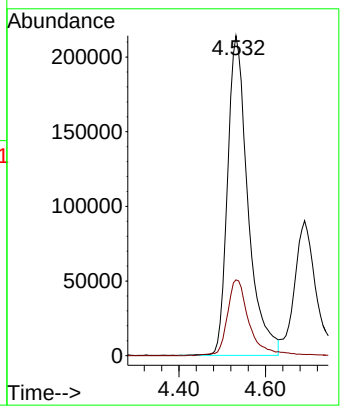


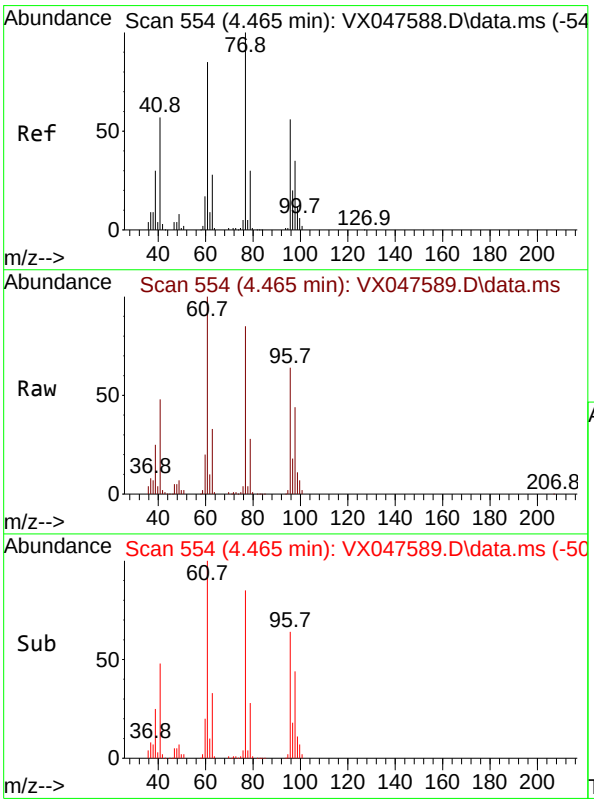
#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 700827

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

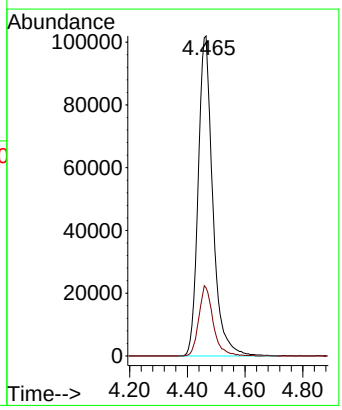


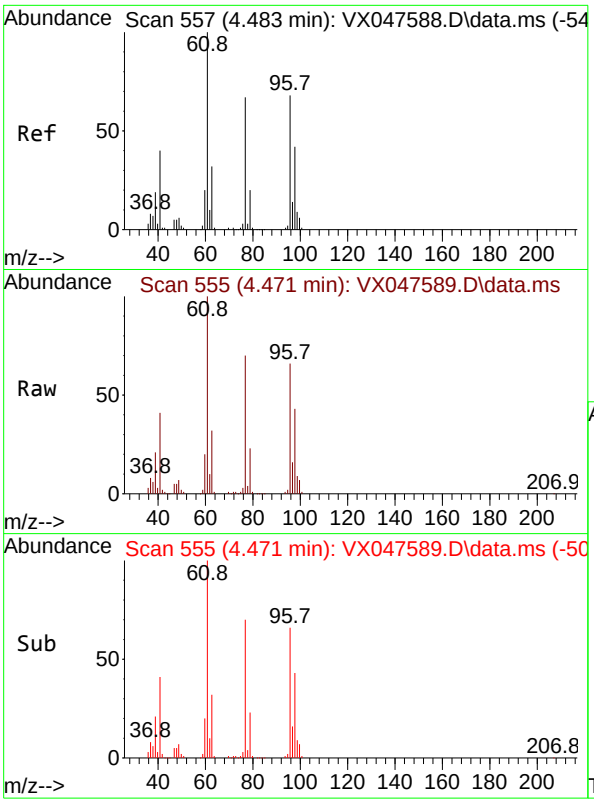


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7



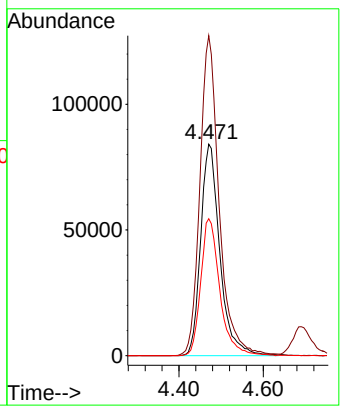


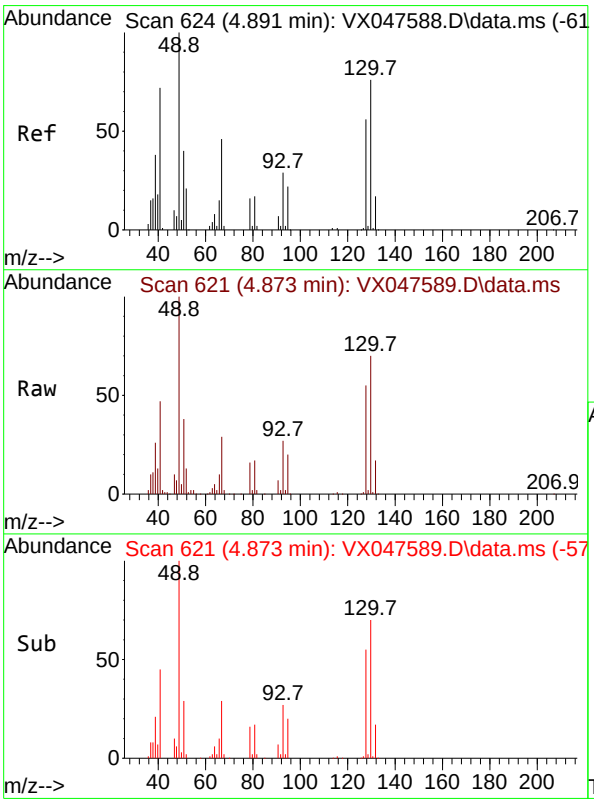
#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 266550

Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8

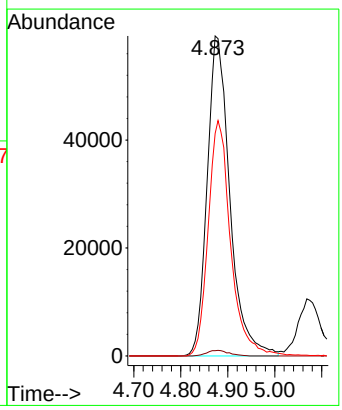


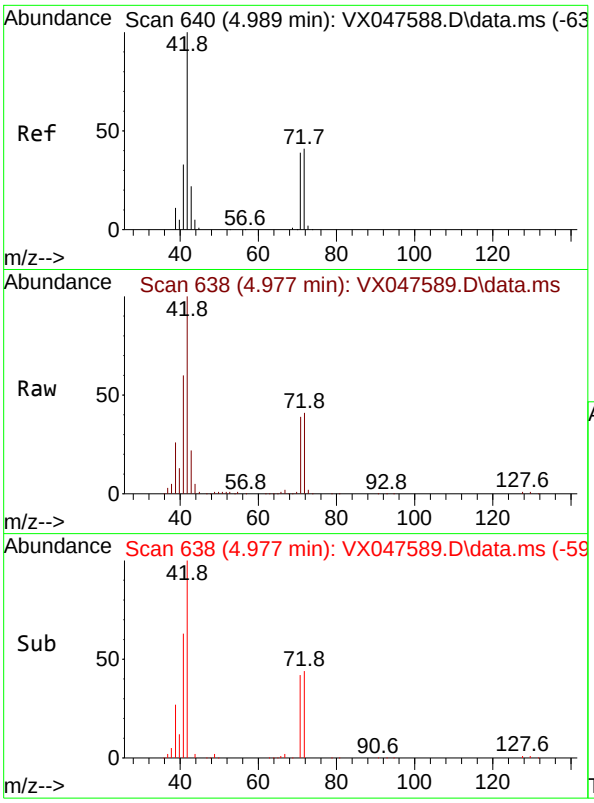


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8



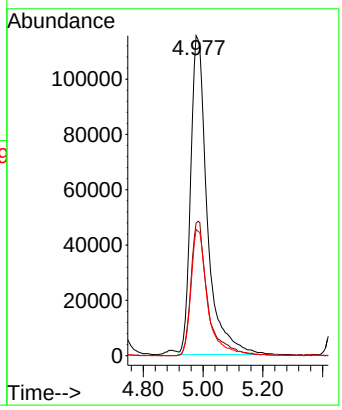


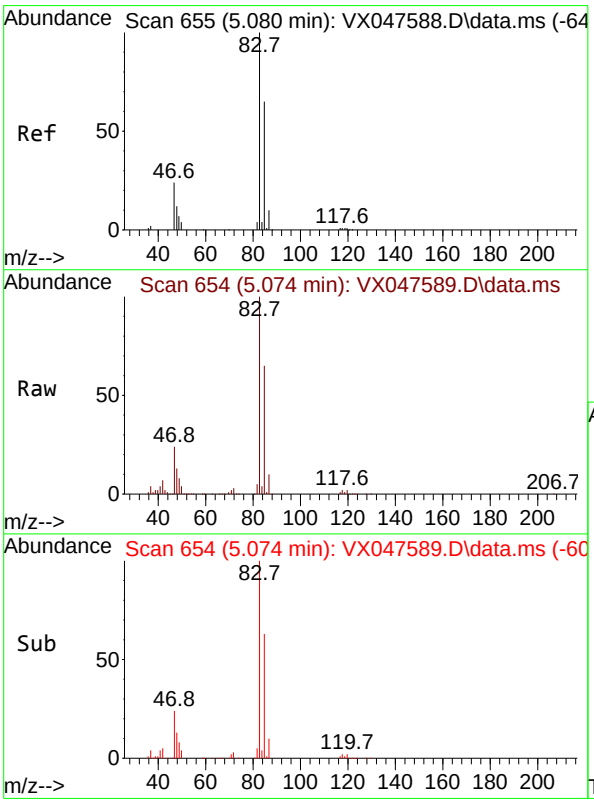
#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 443530

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

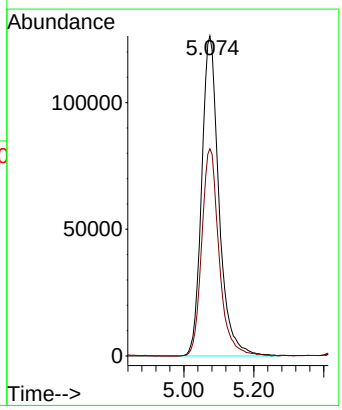


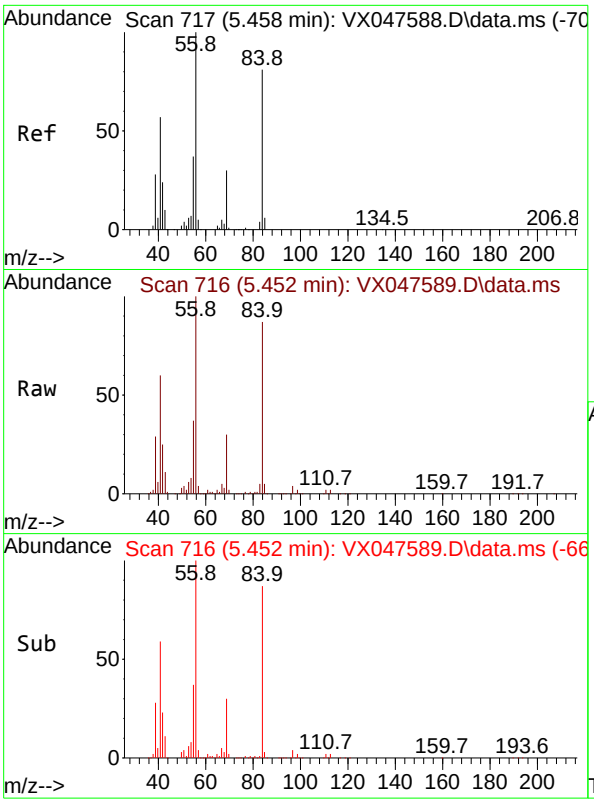


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



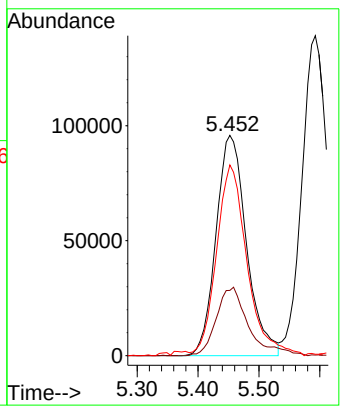


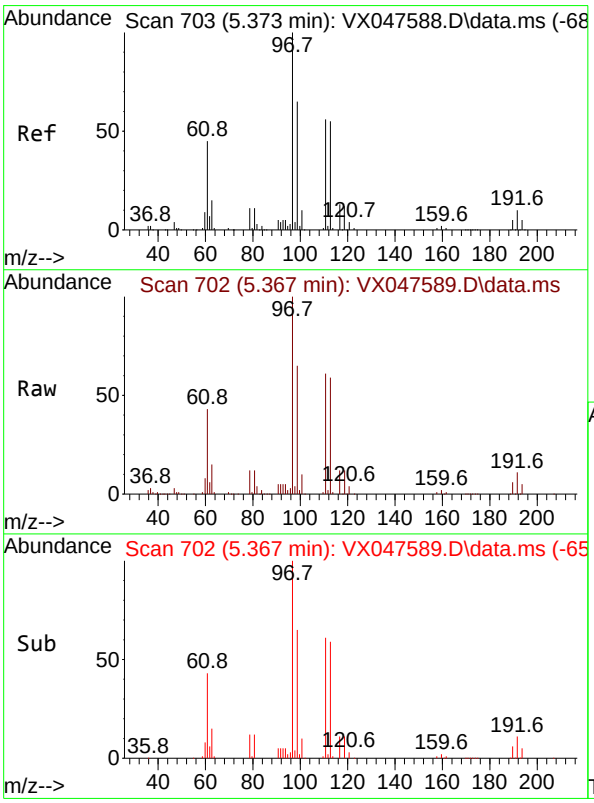
#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 332995

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0

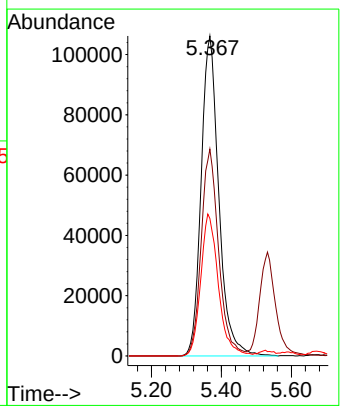


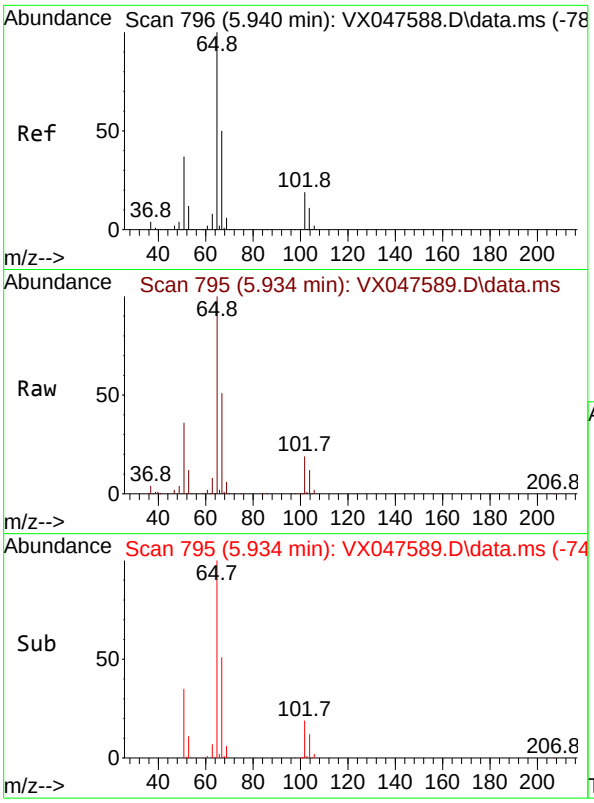


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8



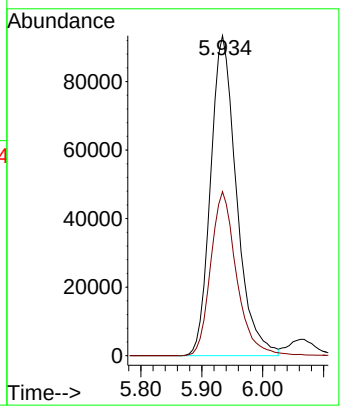


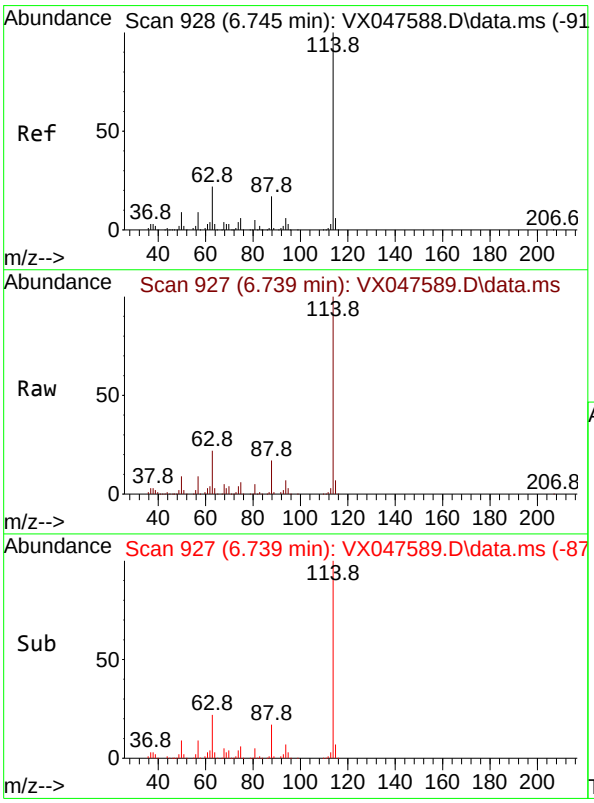
#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 275758

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

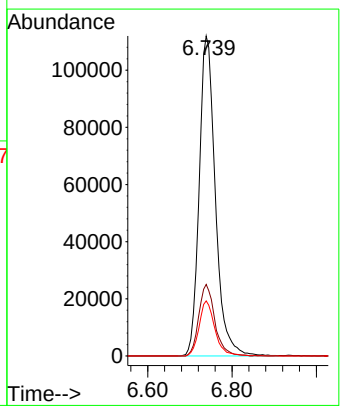


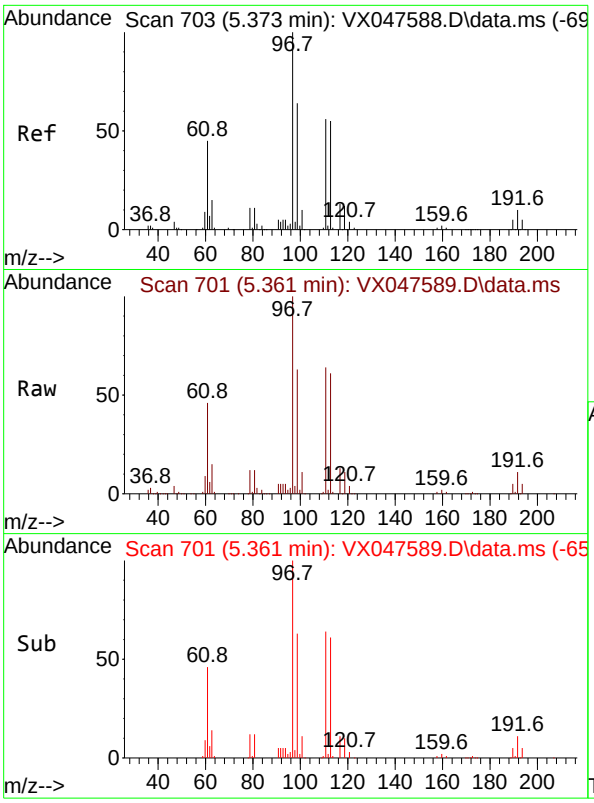


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2



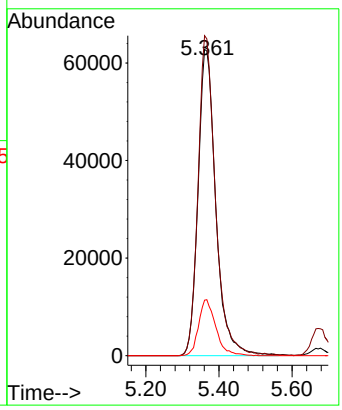


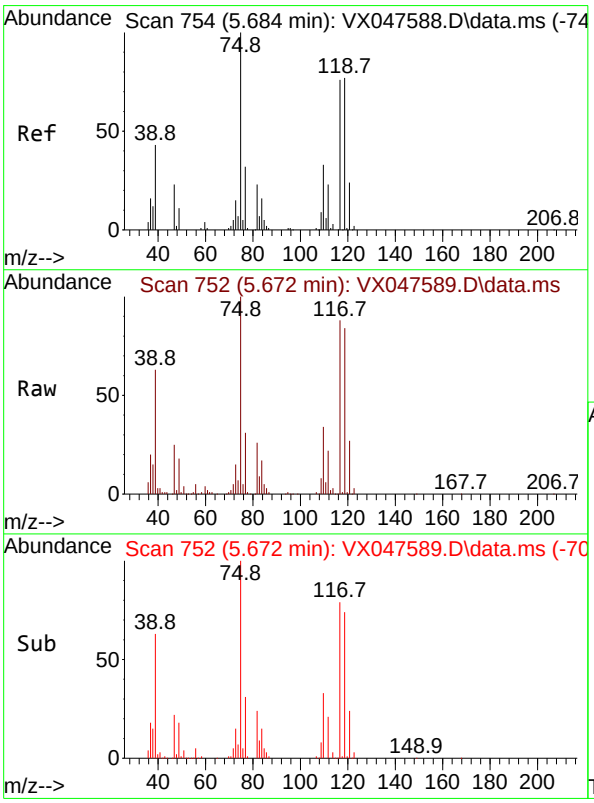
#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7(
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 212419

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4

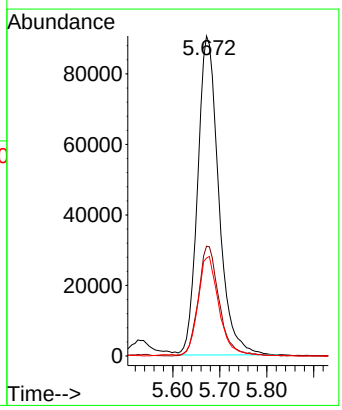


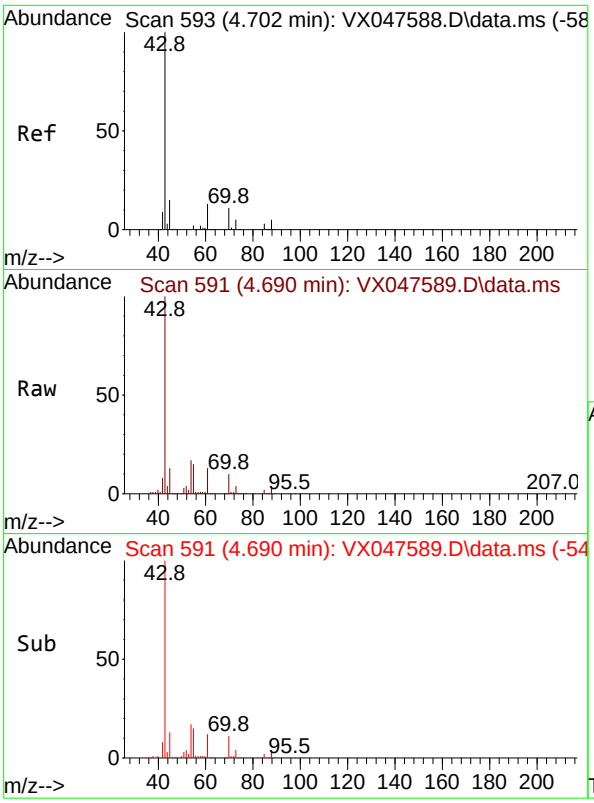


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5



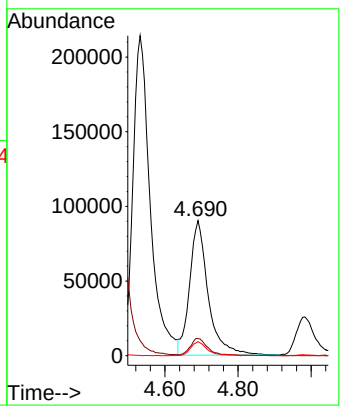


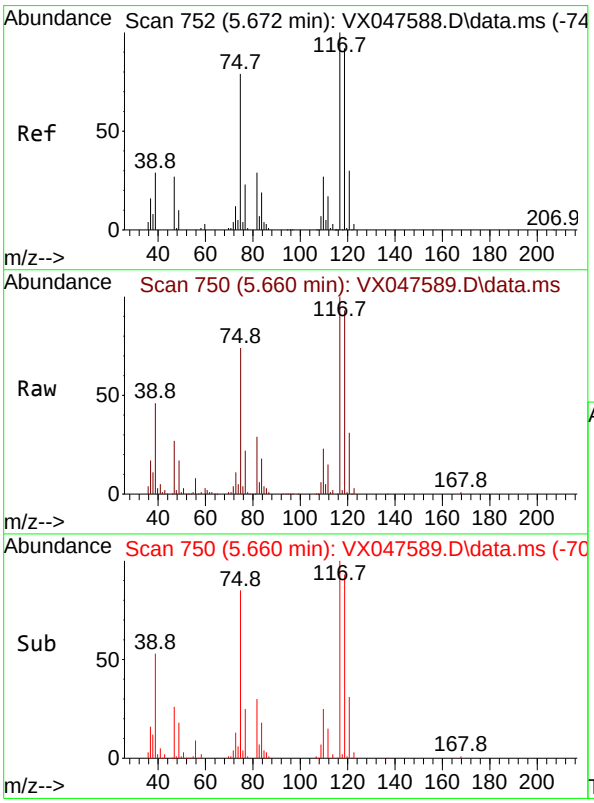
#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 318793

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

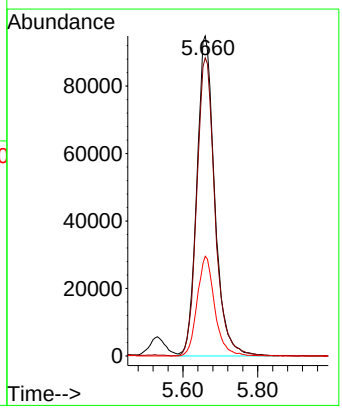


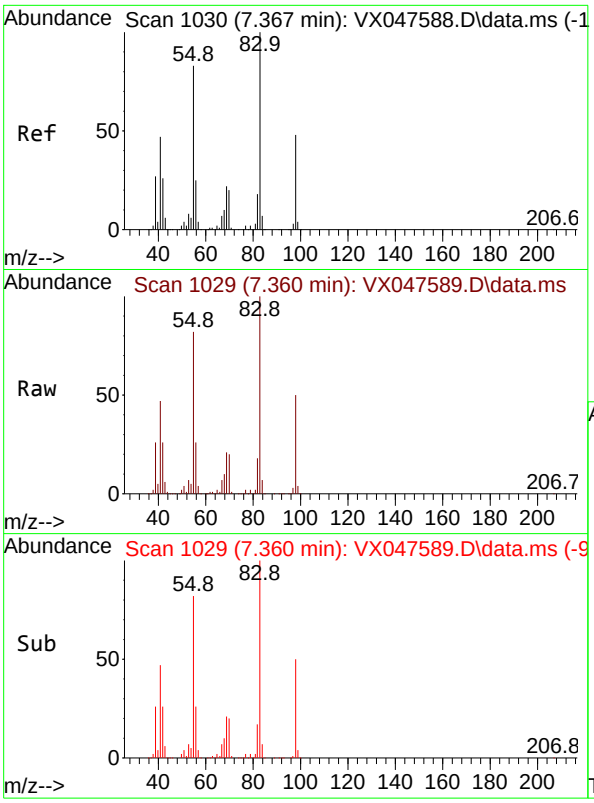


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6



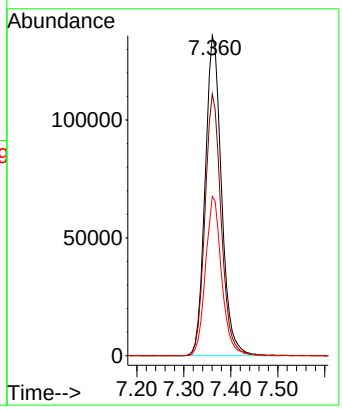


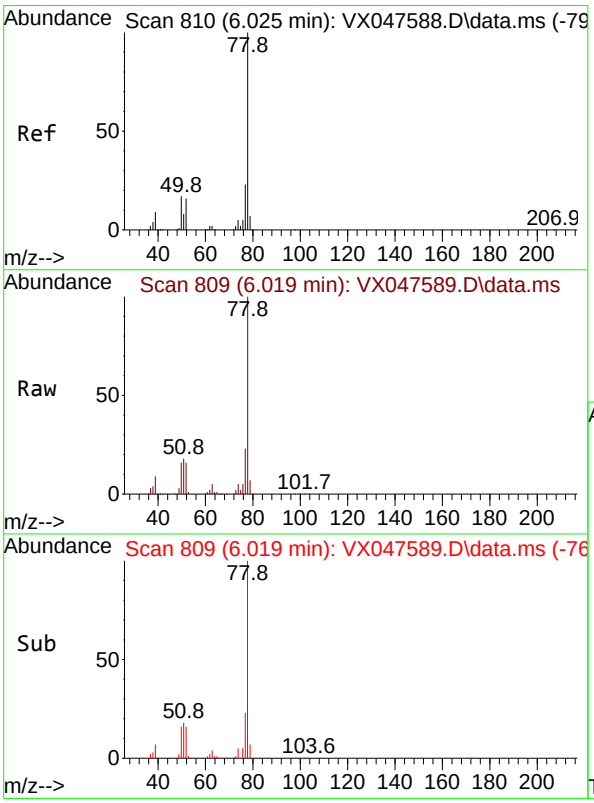
#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 327858

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

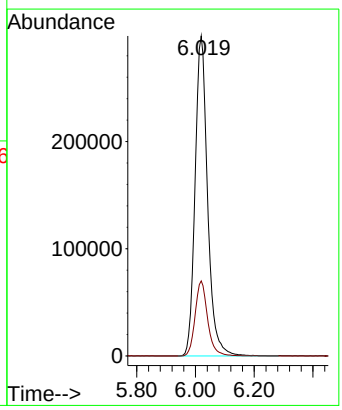


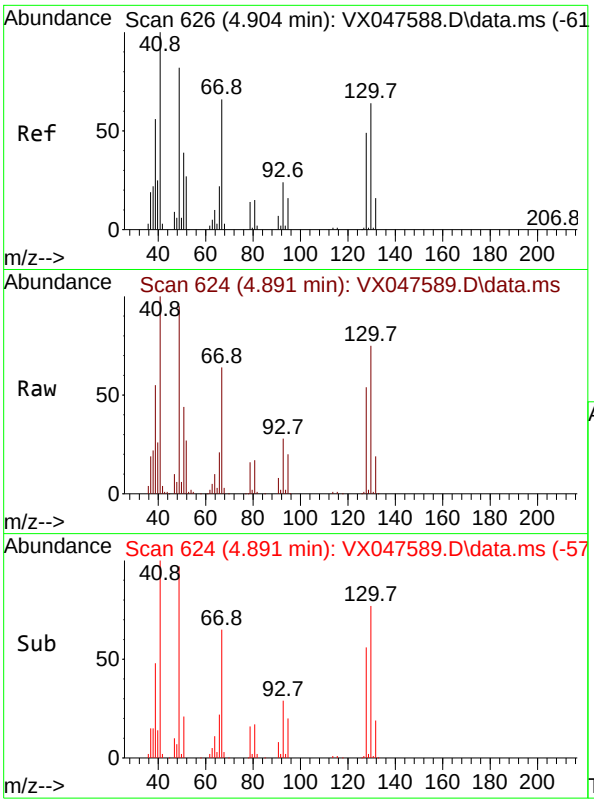


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



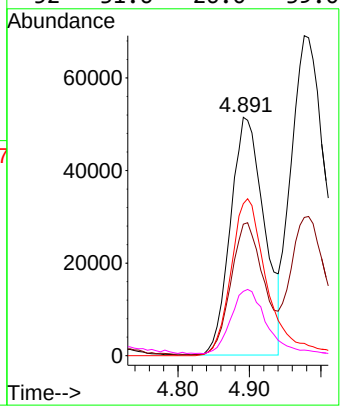


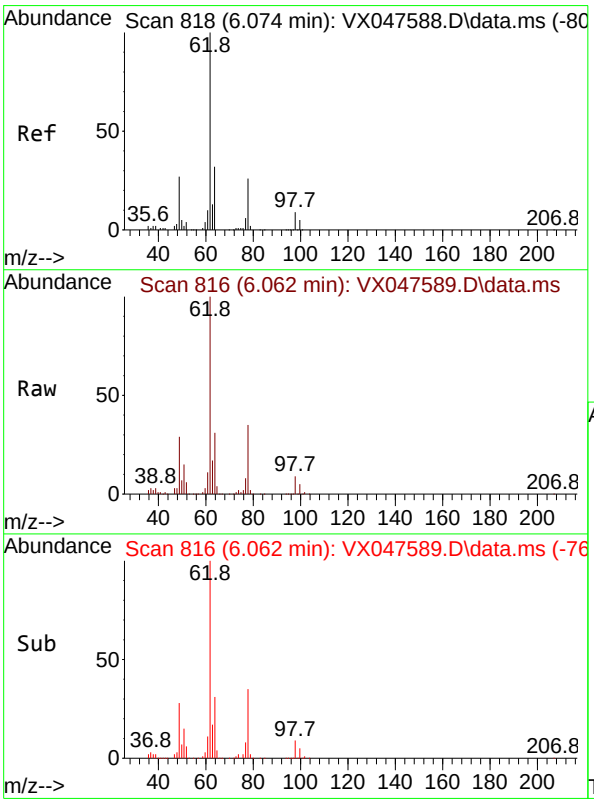
#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 168753

Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0

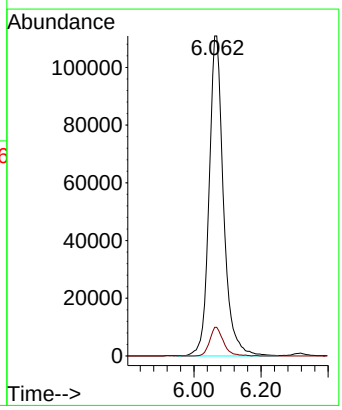


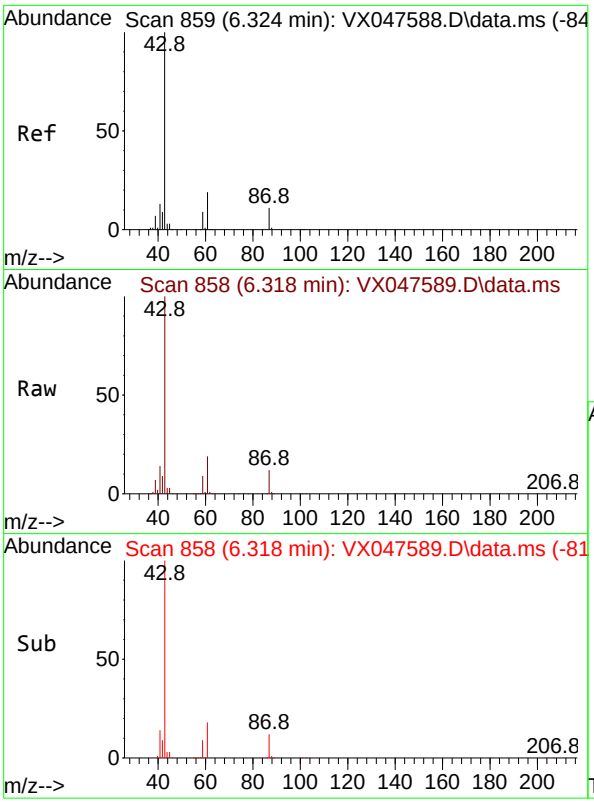


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



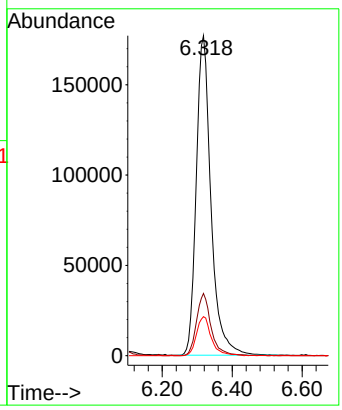


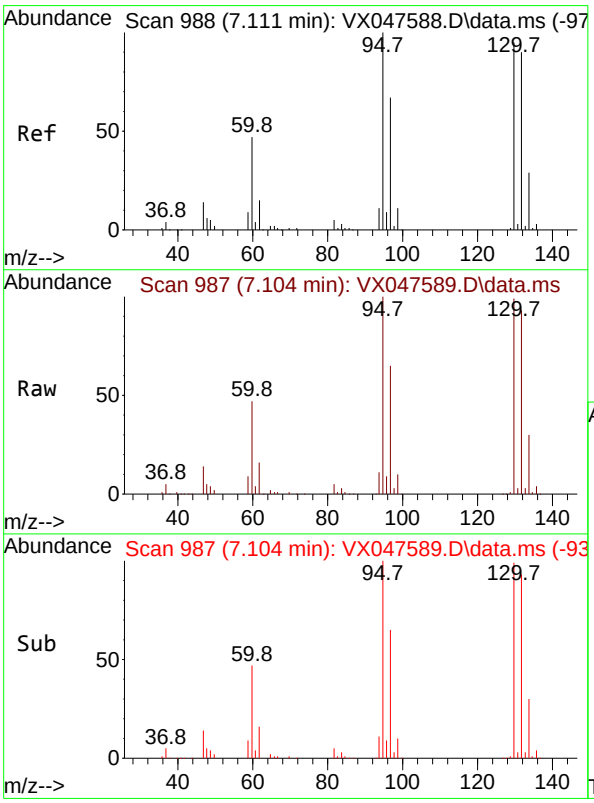
#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 516875

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4

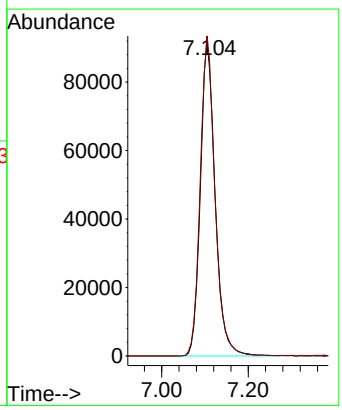


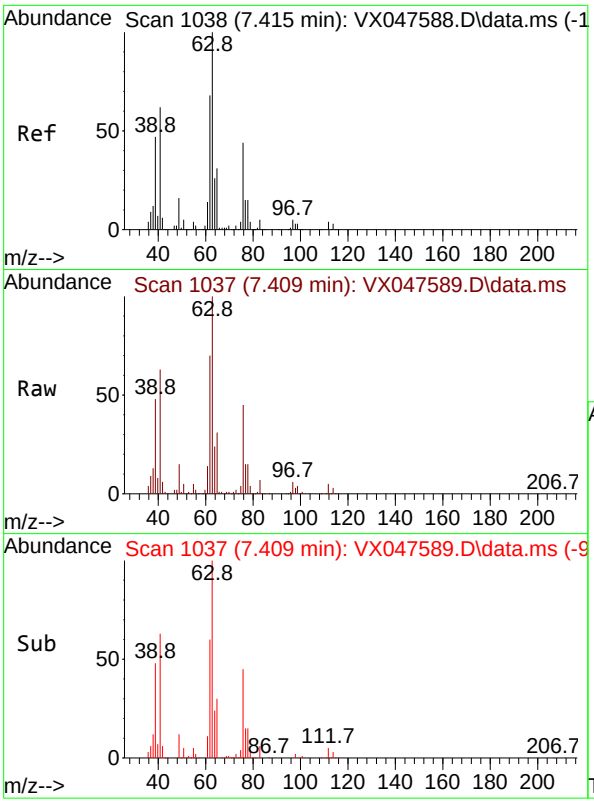


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8



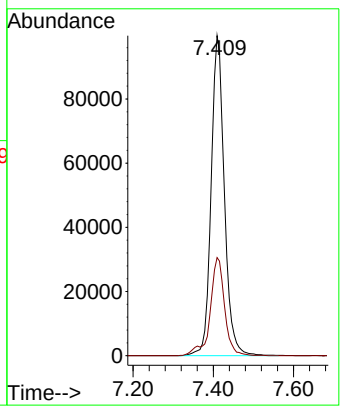


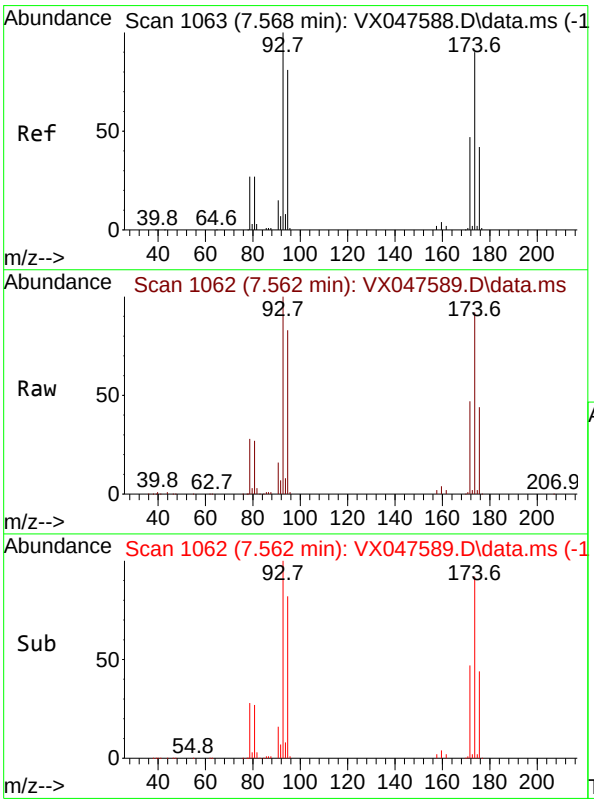
#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

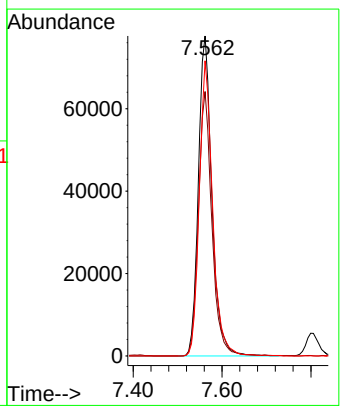


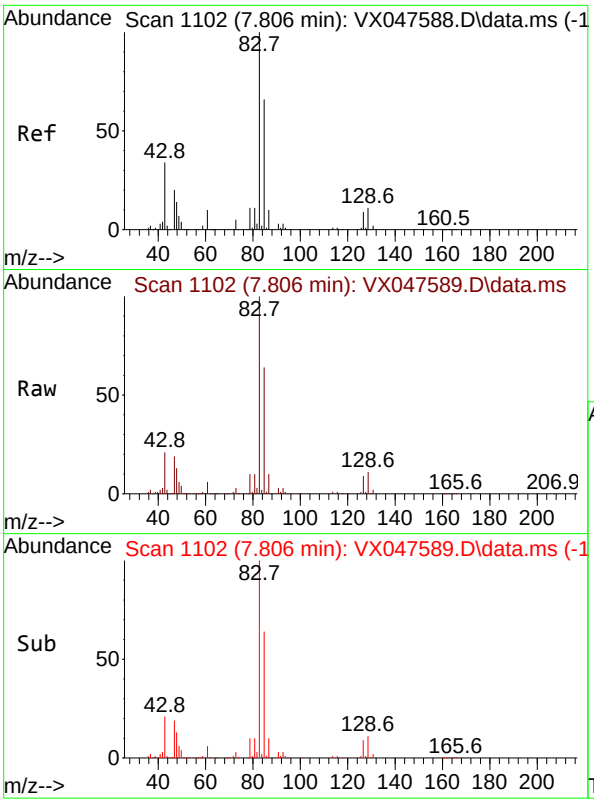


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4



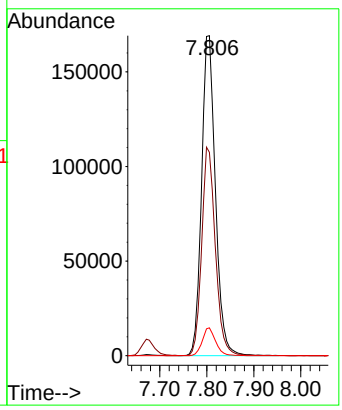


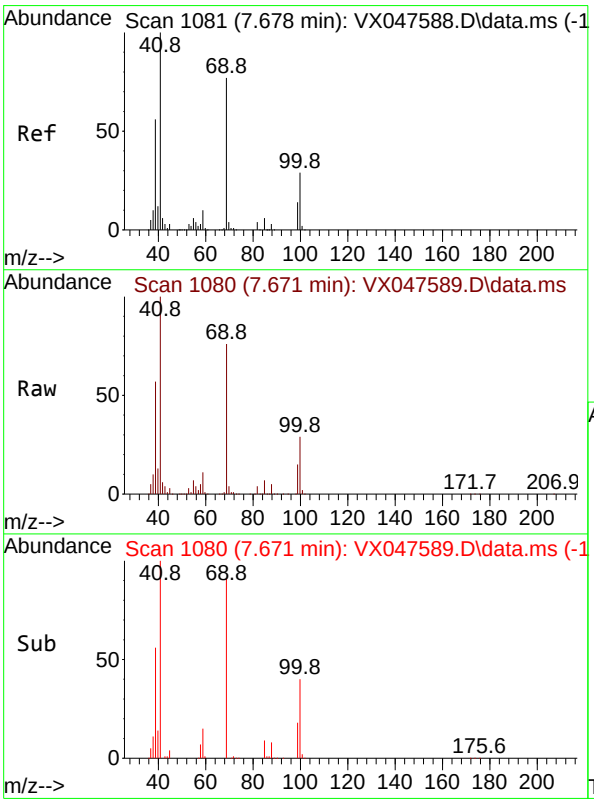
#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 345991

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3

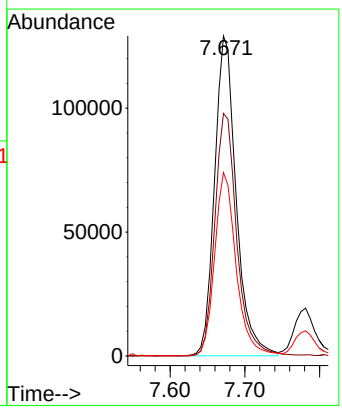


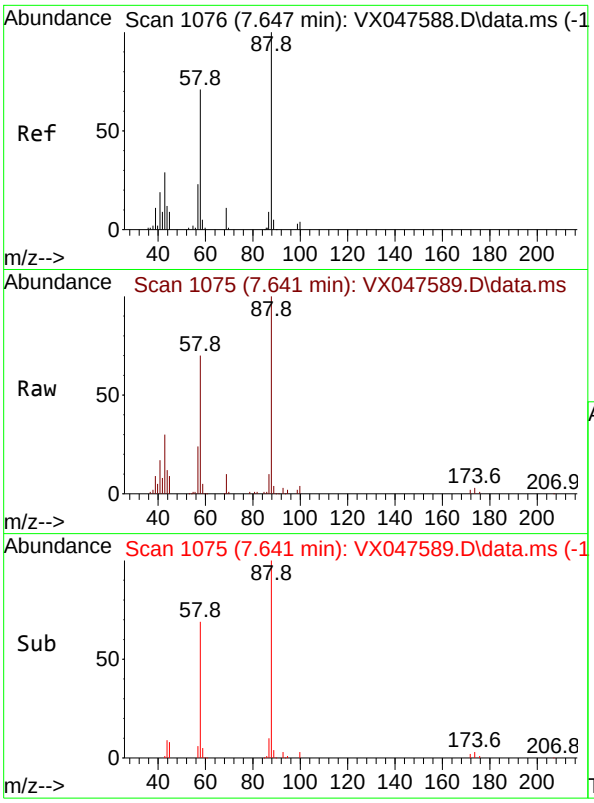


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6



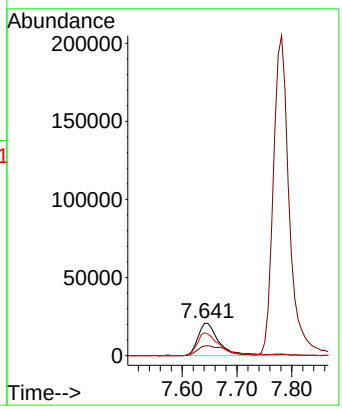


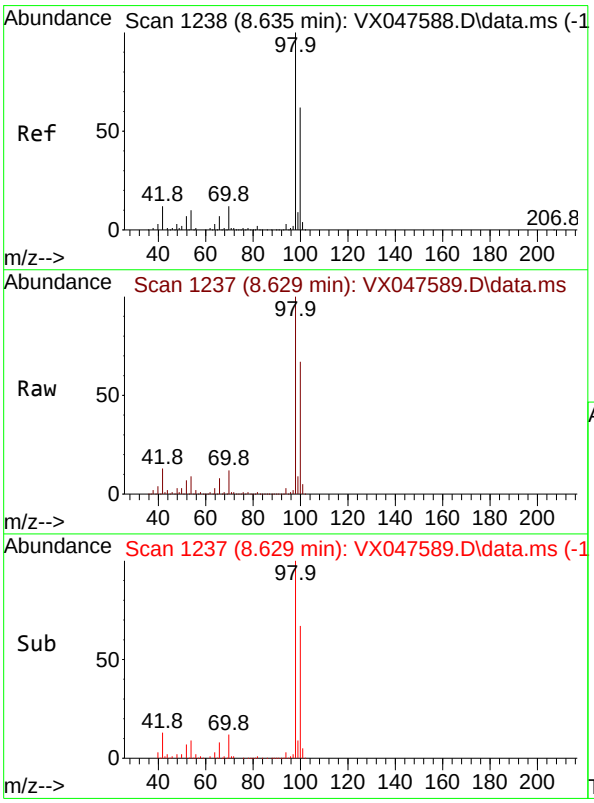
#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 56717

Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3

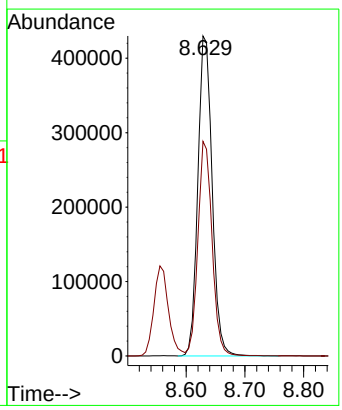


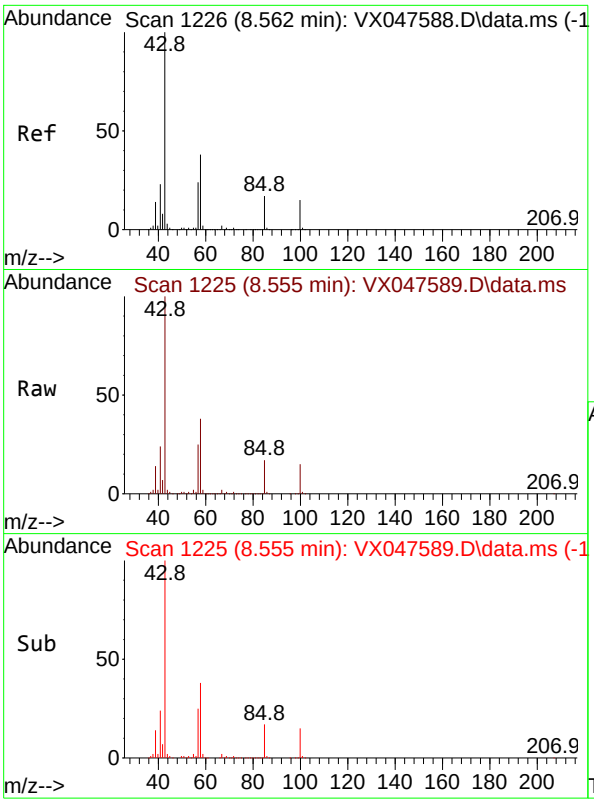


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



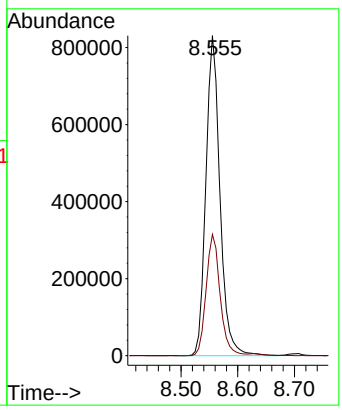


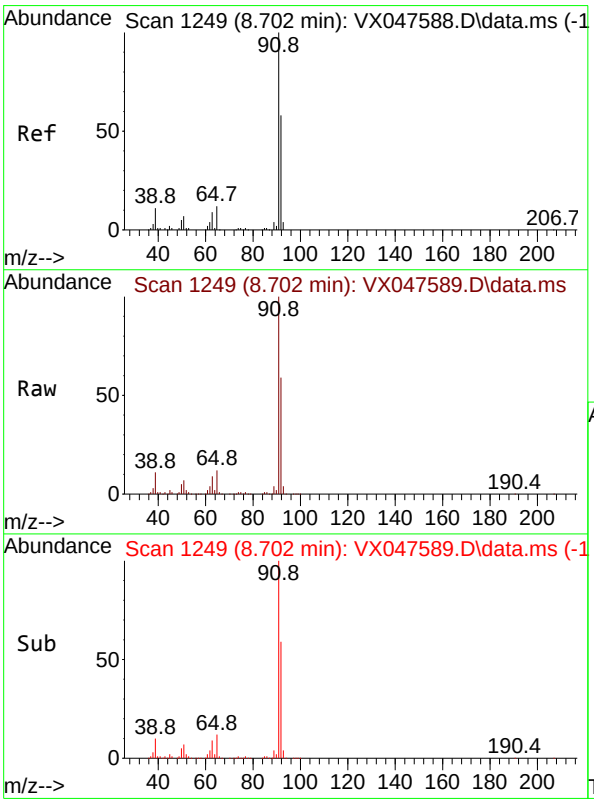
#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1431253

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

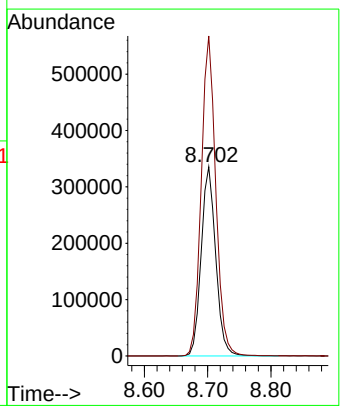


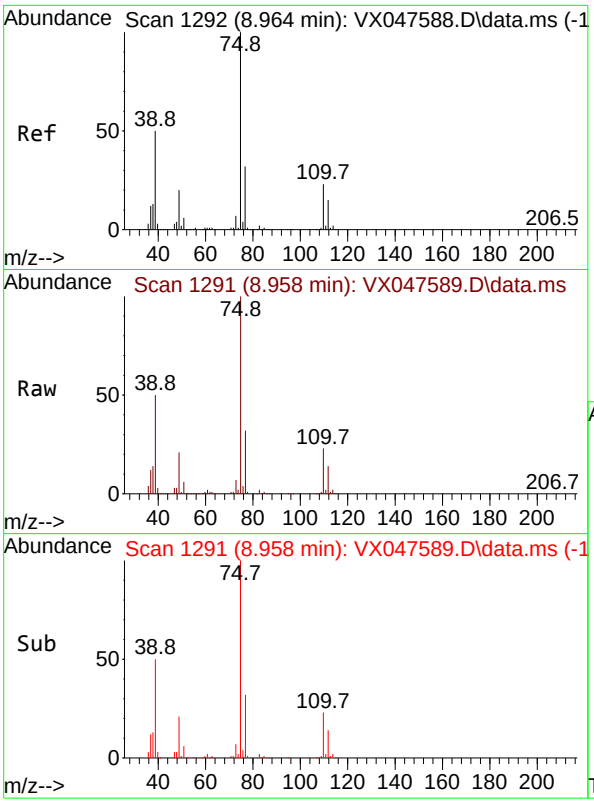


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7



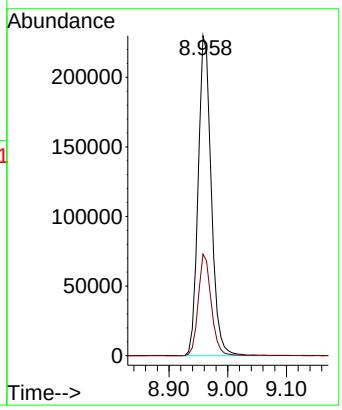


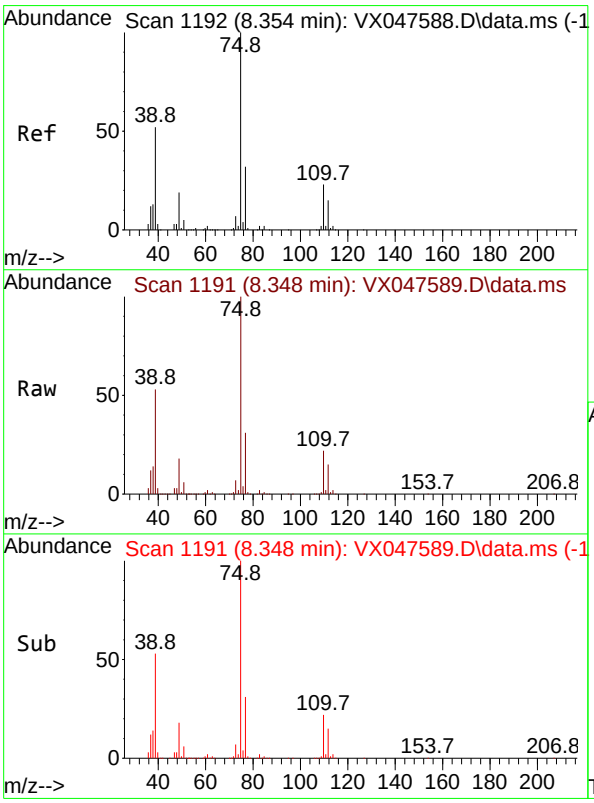
#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 355881

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

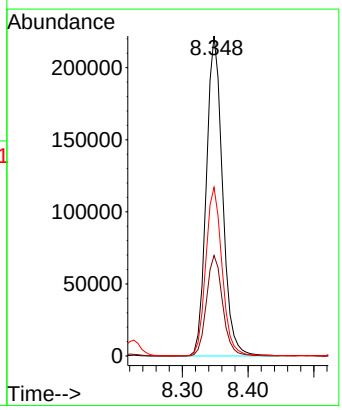


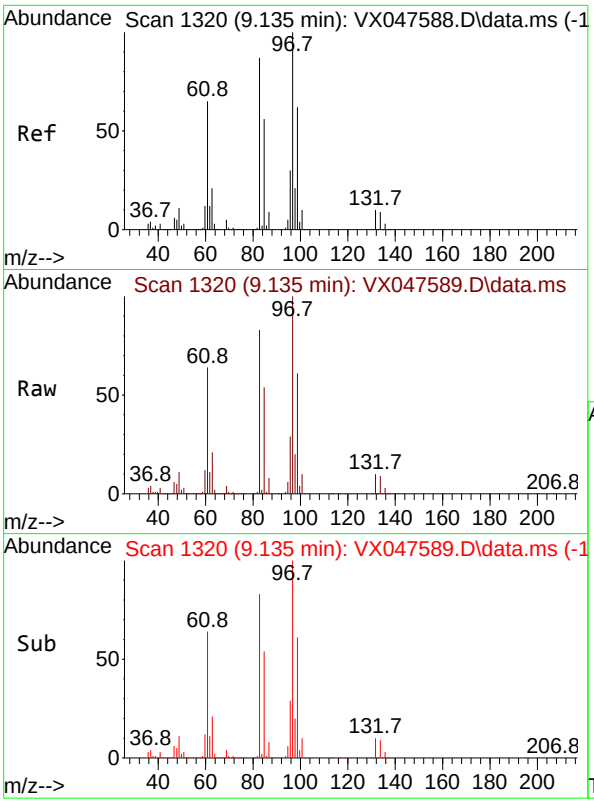


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2



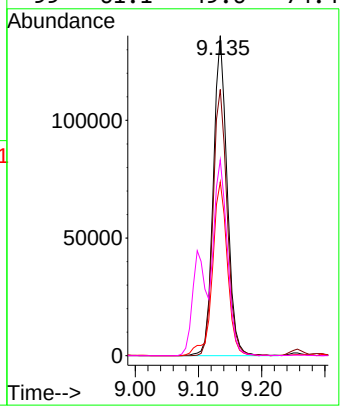


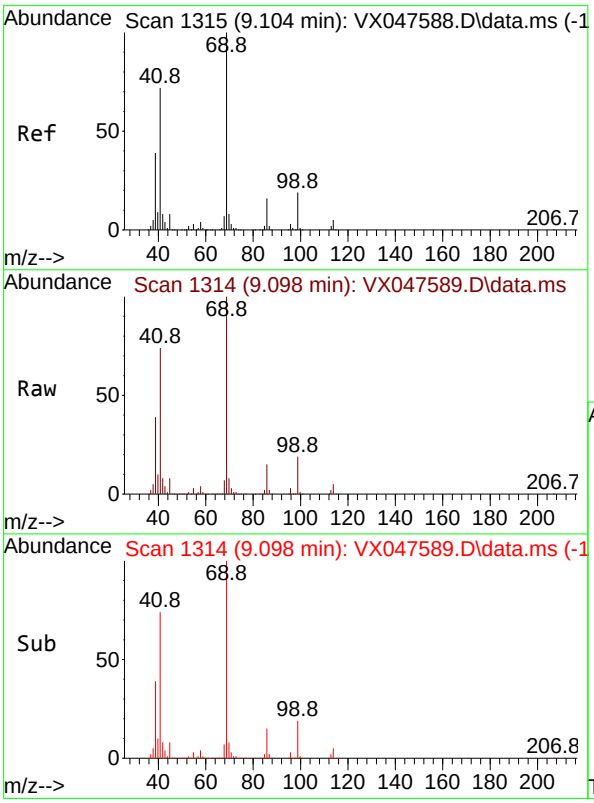
#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205939

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4

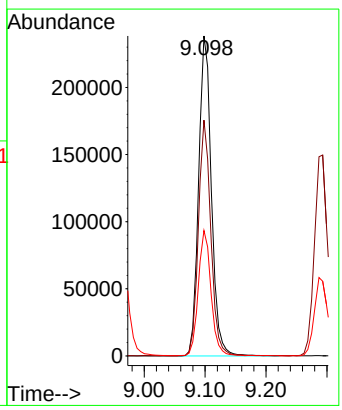


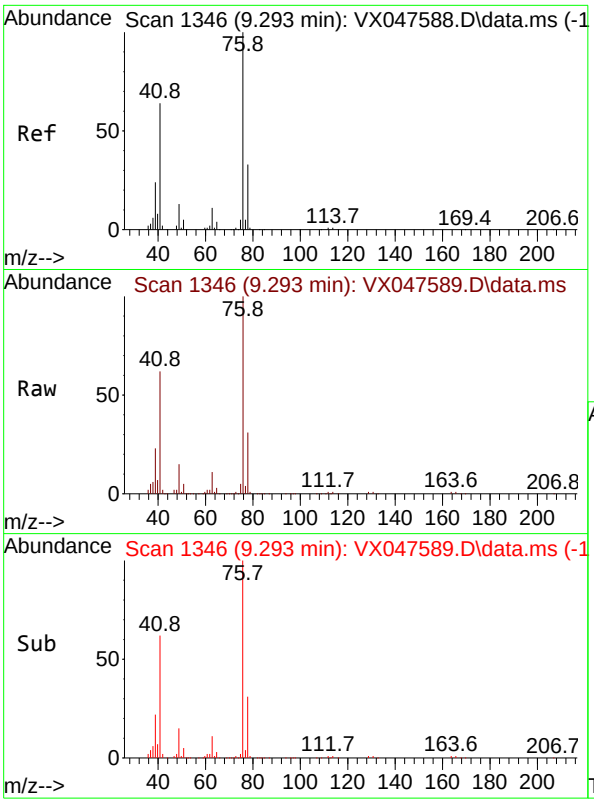


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



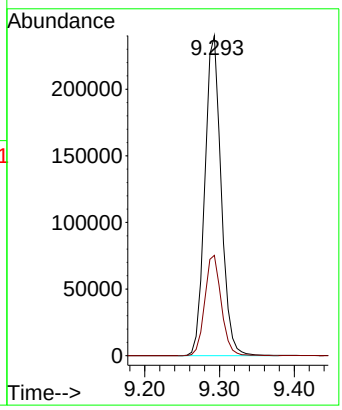


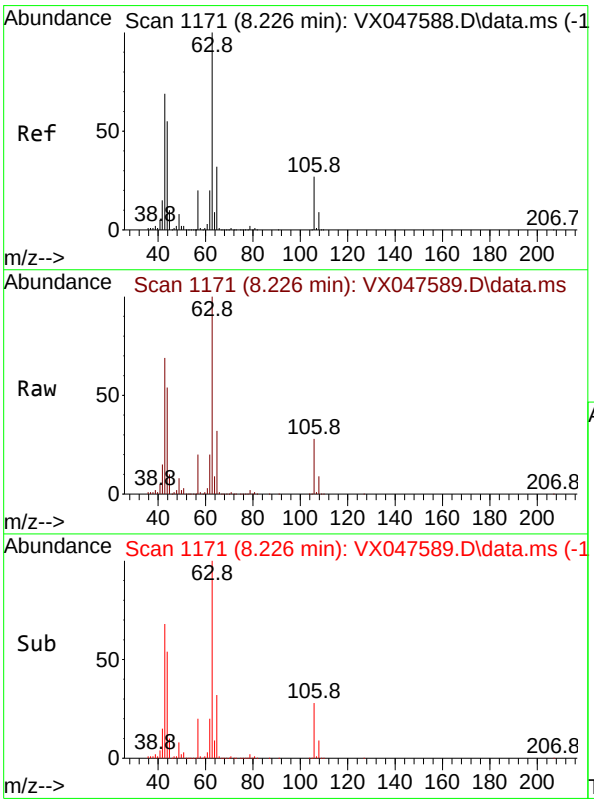
#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 362848

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

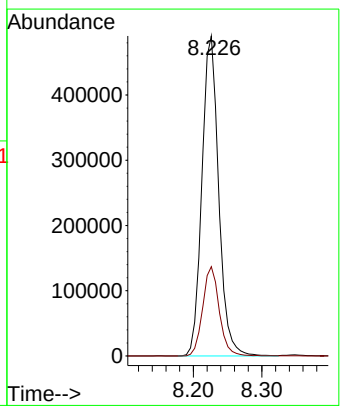


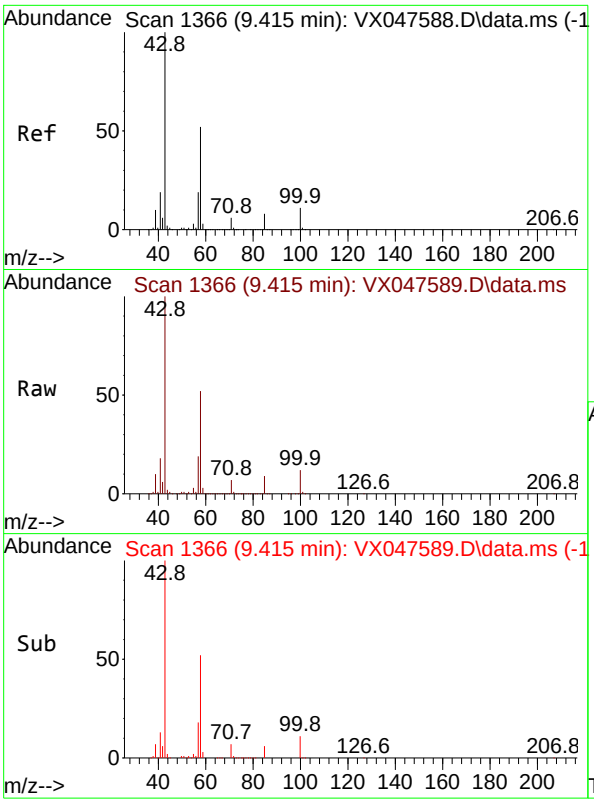


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



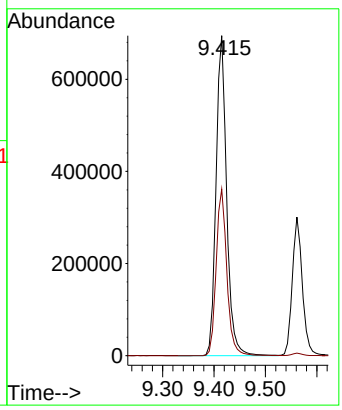


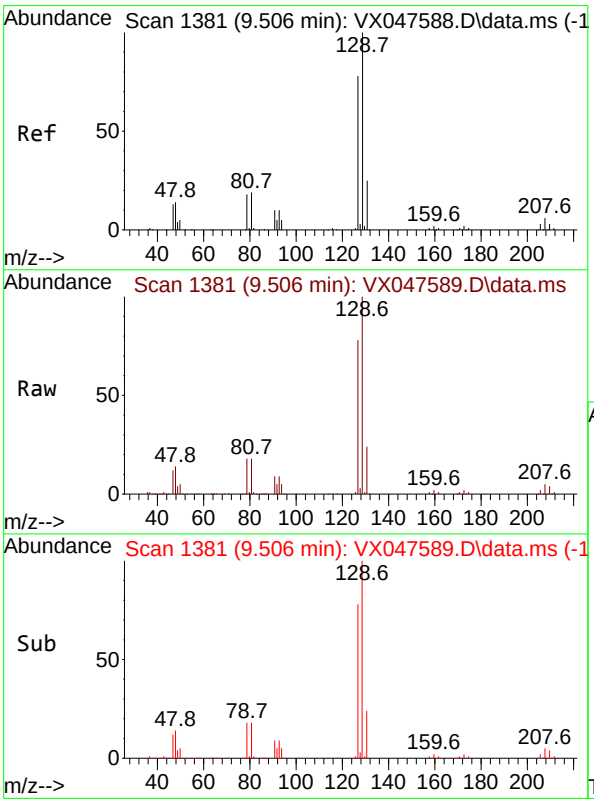
#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 996274

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

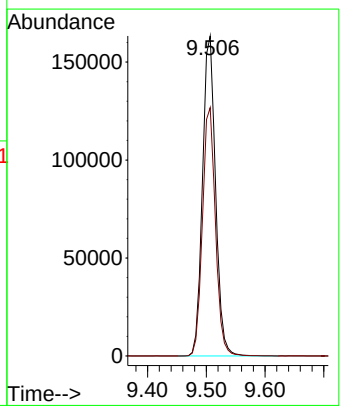


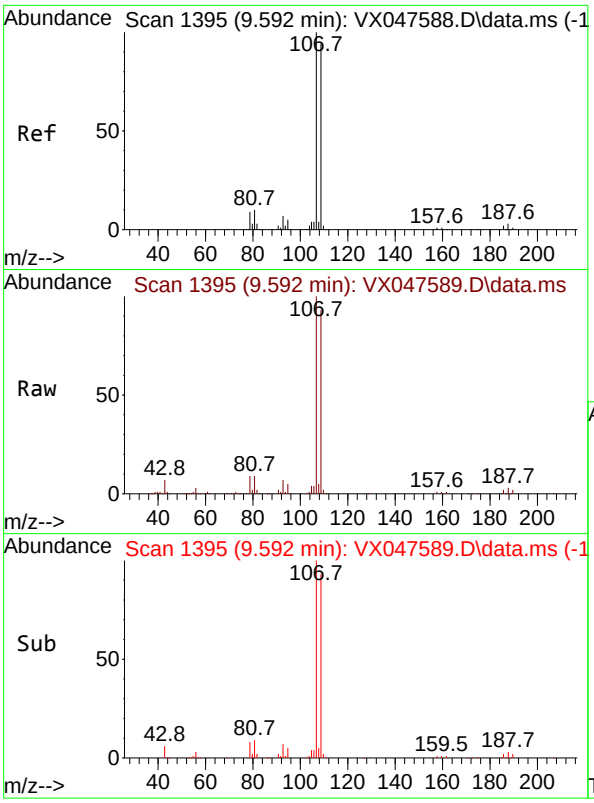


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2



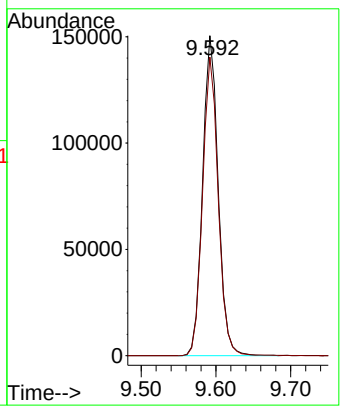


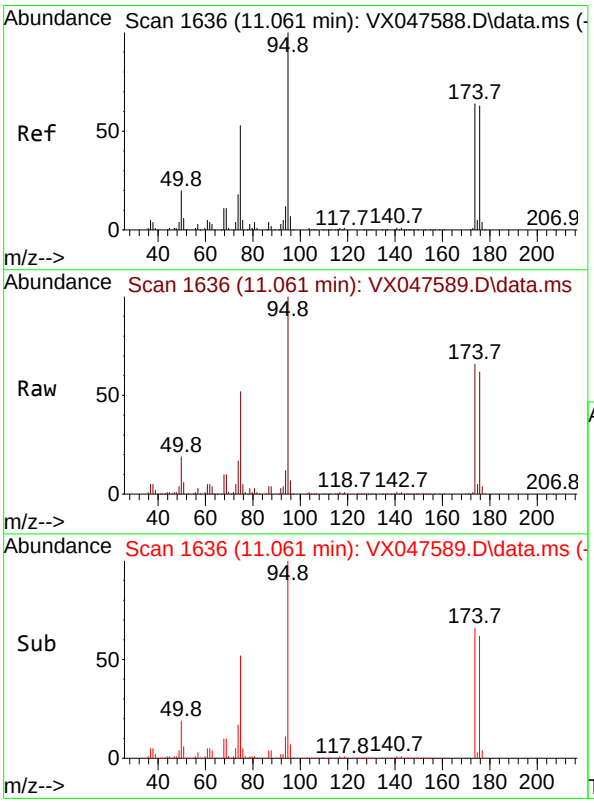
#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 217751

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

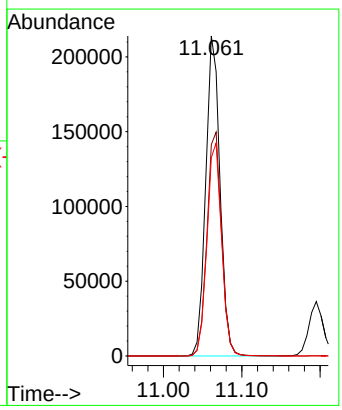


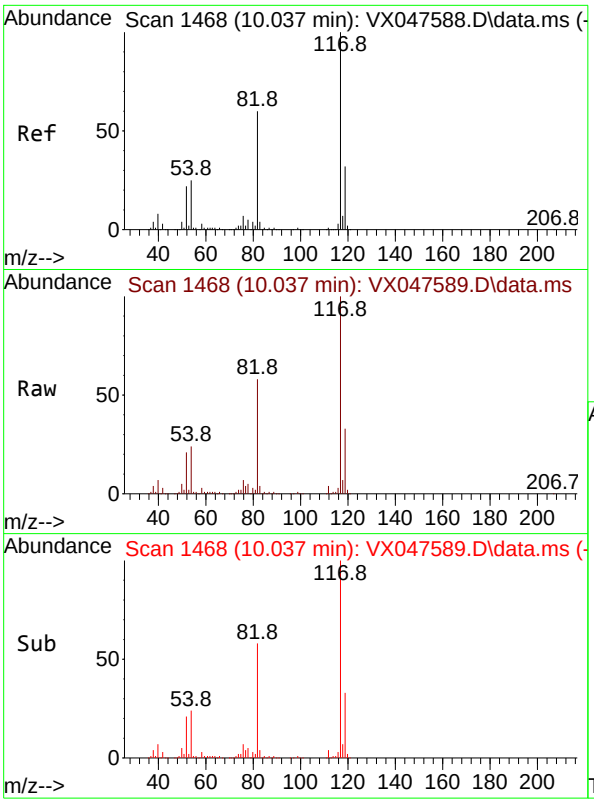


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4



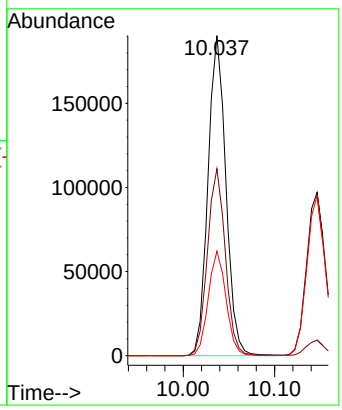


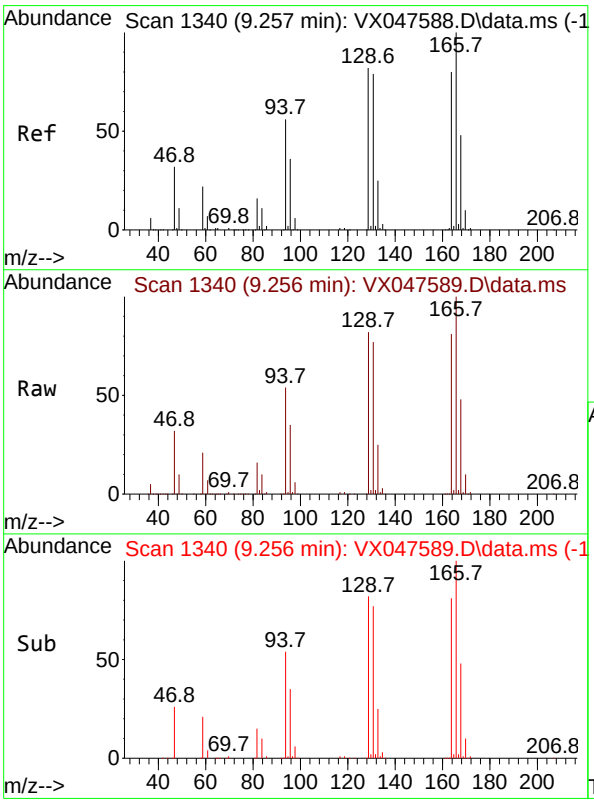
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 258399

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8

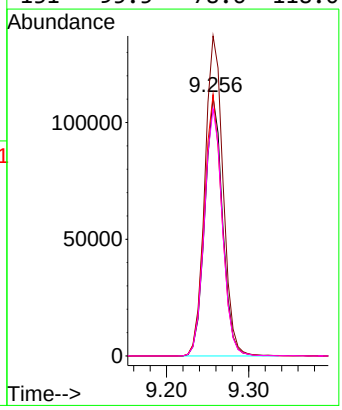


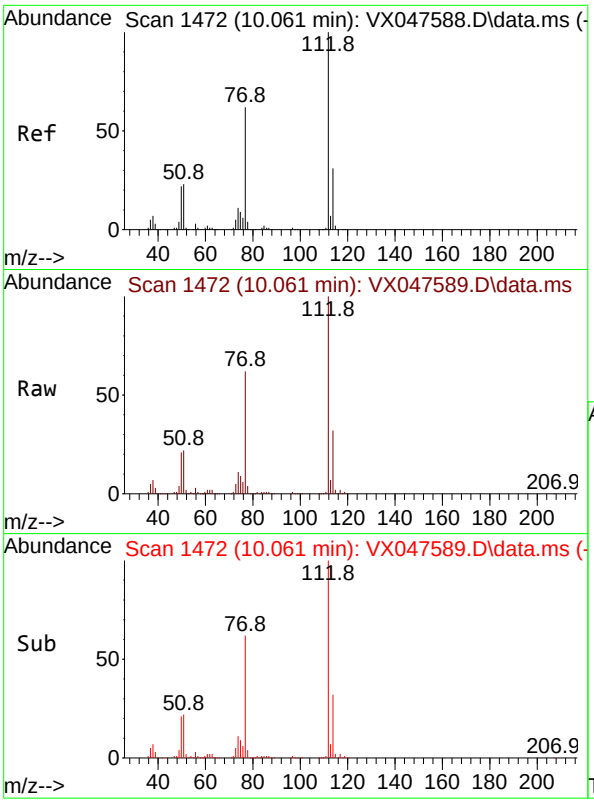


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0



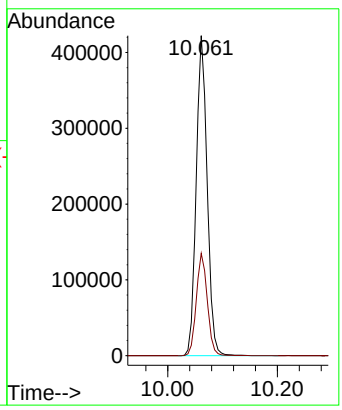


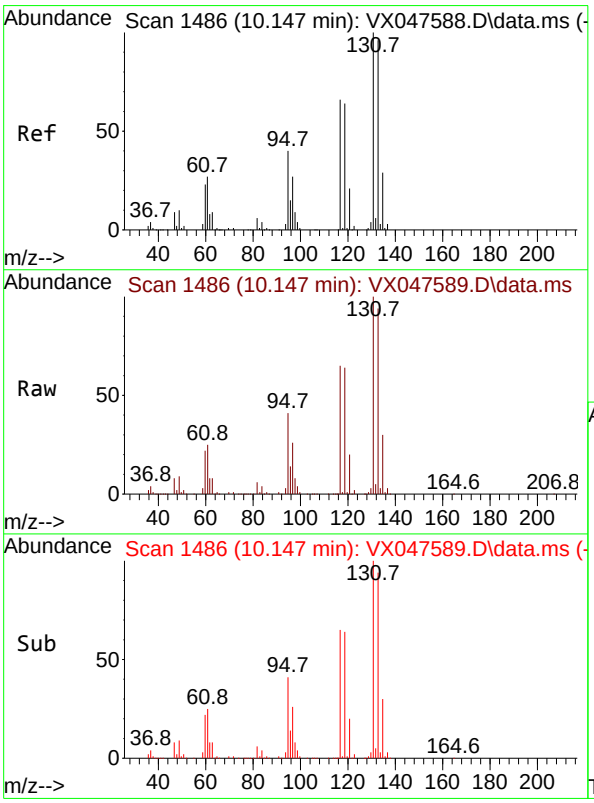
#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 588517

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

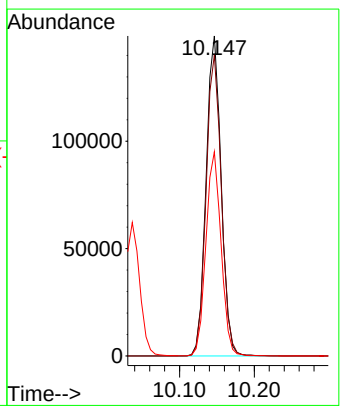


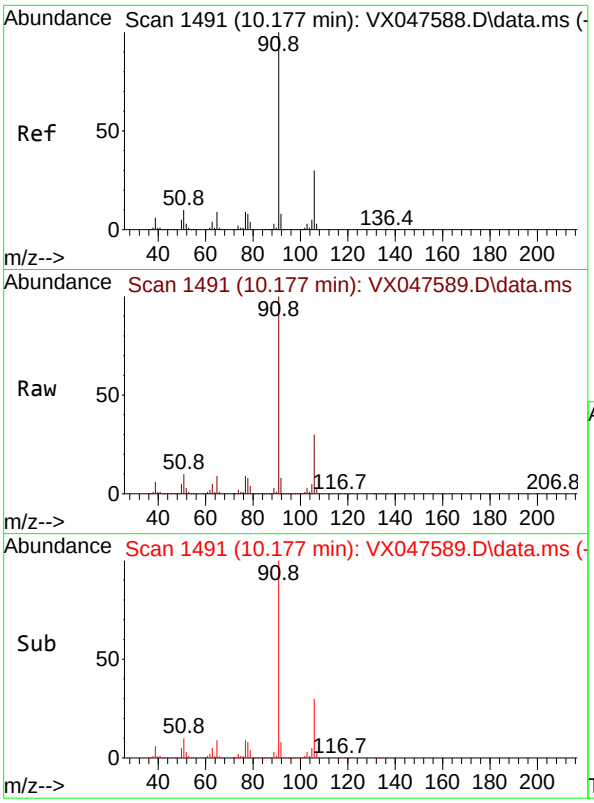


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0



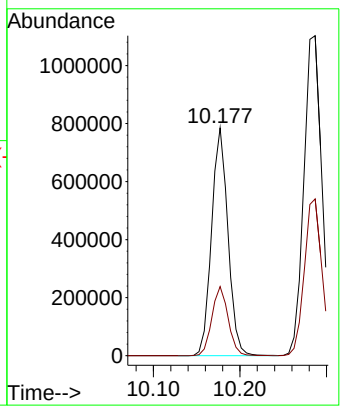


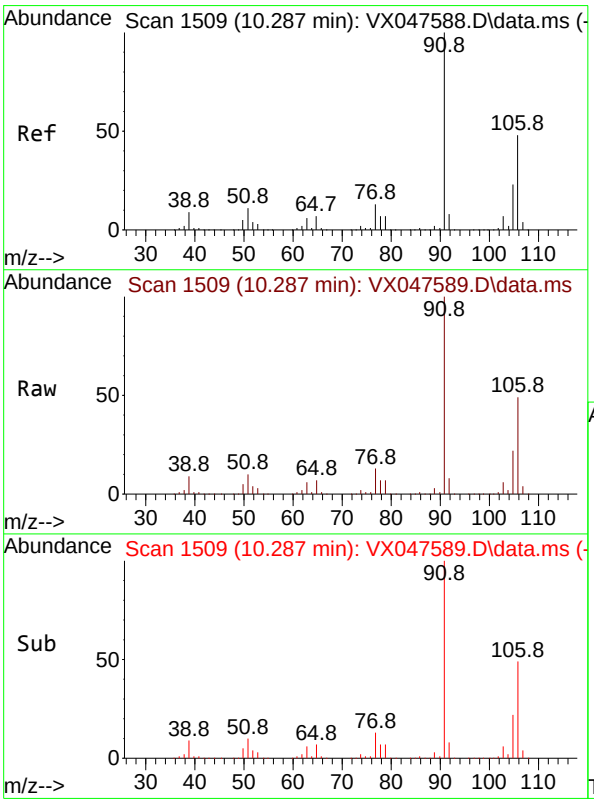
#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1031346

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

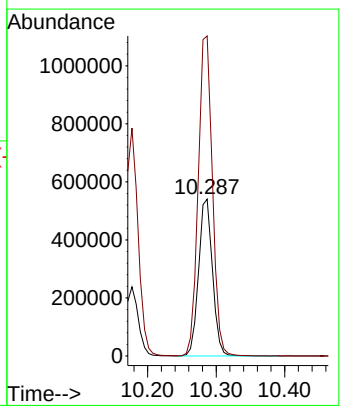


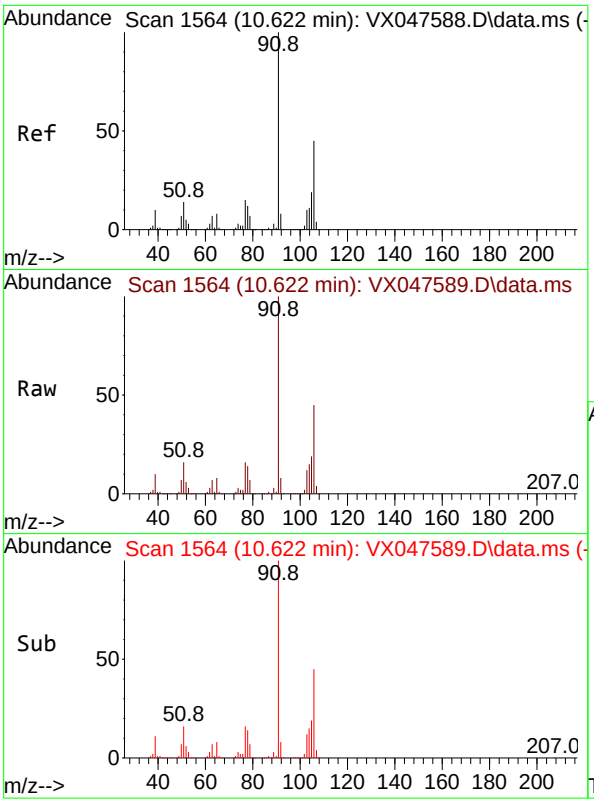


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



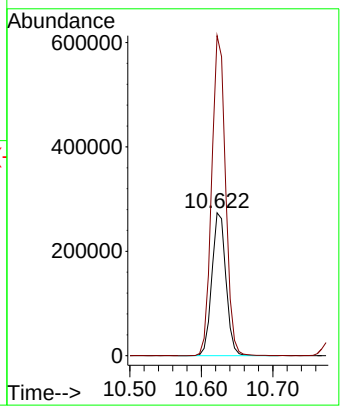


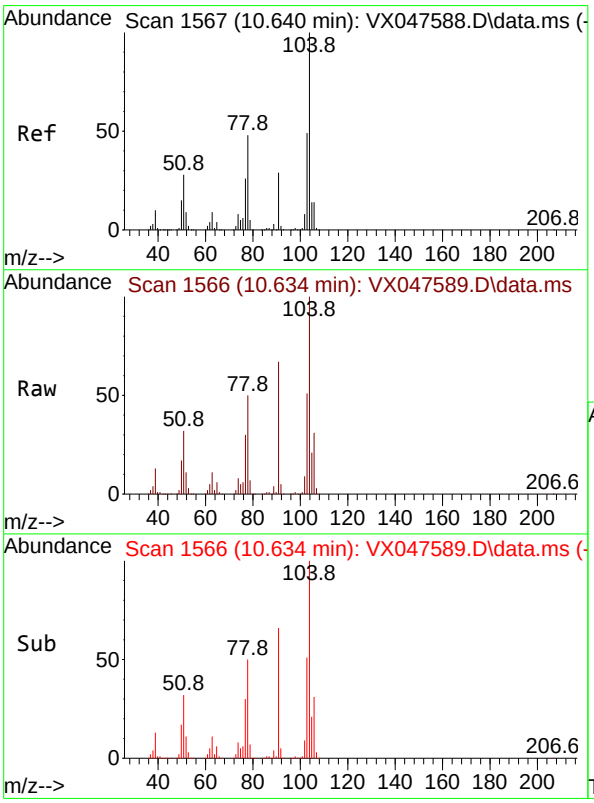
#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 372621

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

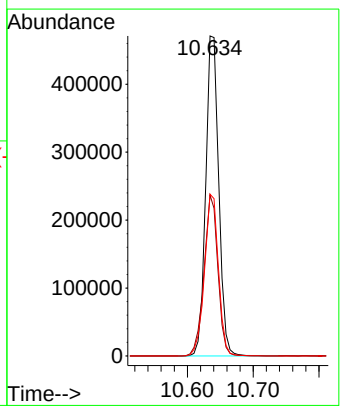


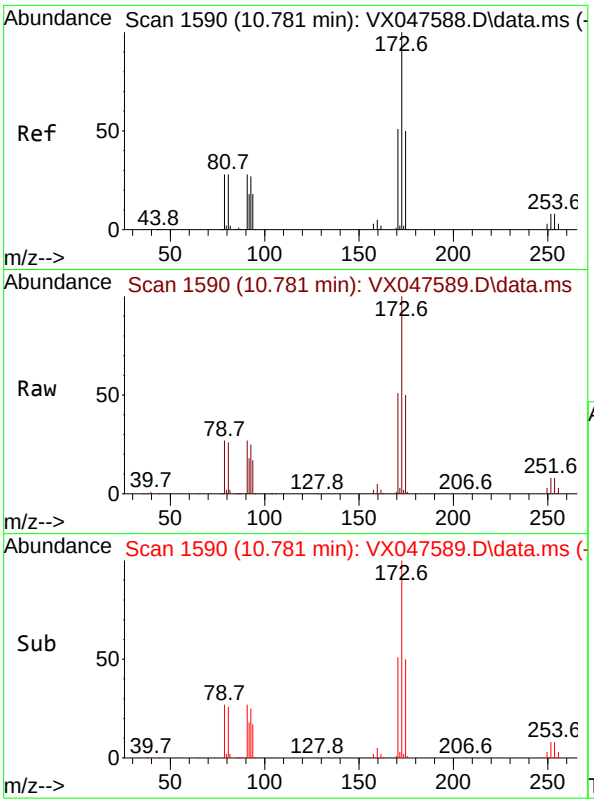


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7



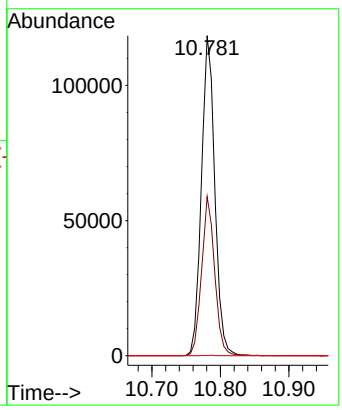


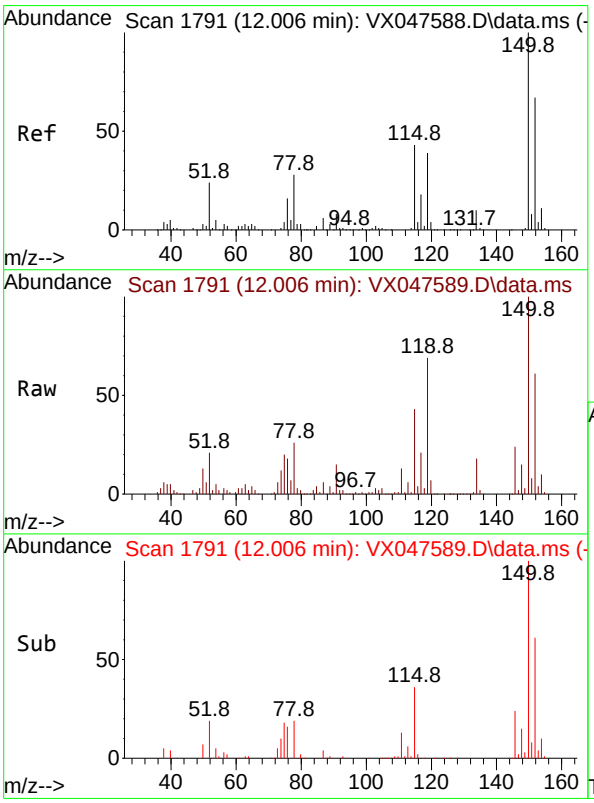
#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 161188

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1

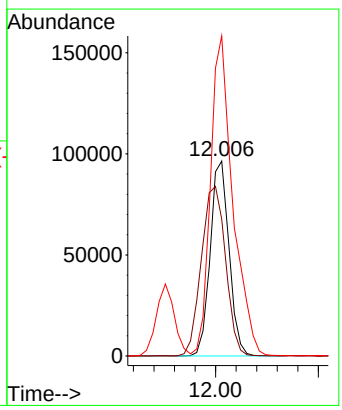


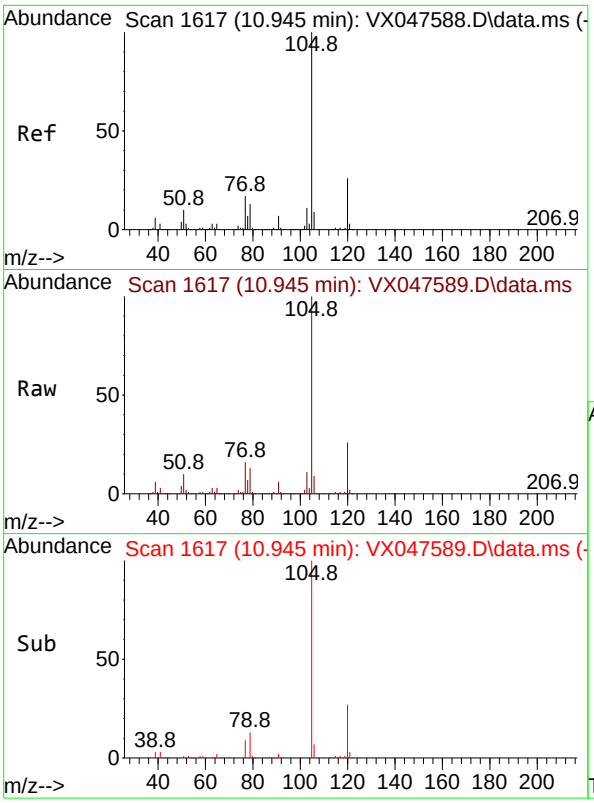


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0



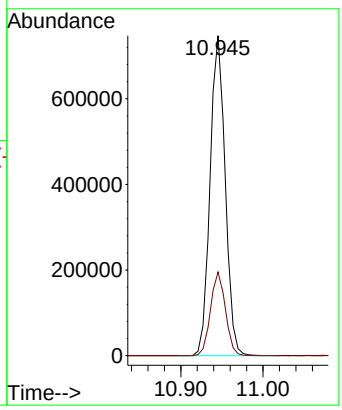


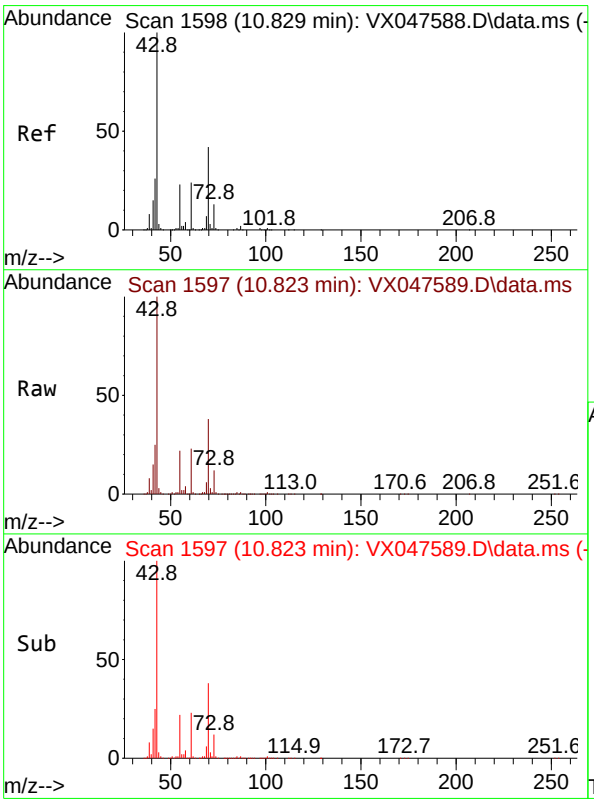
#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 954900

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

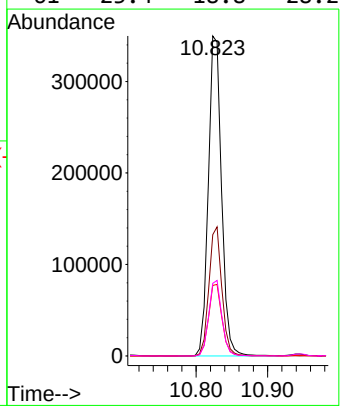


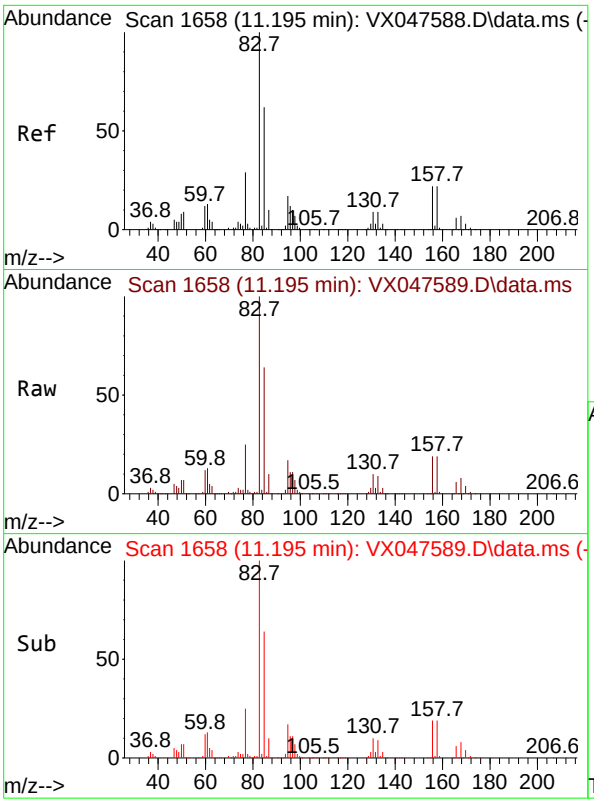


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2



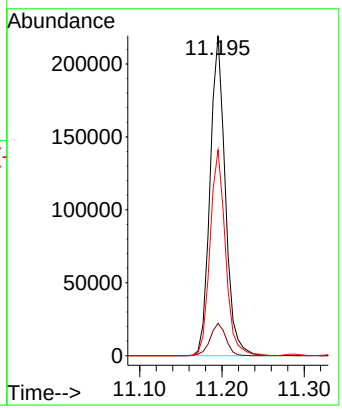


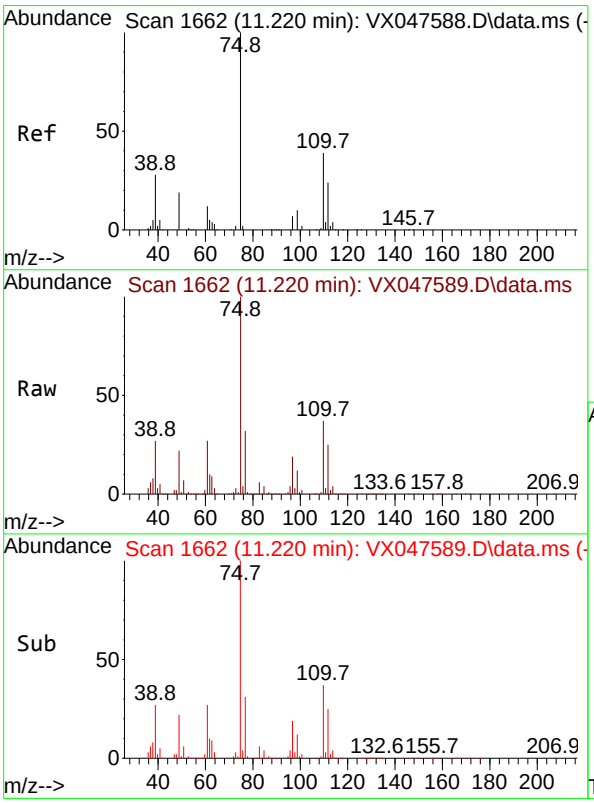
#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281608

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

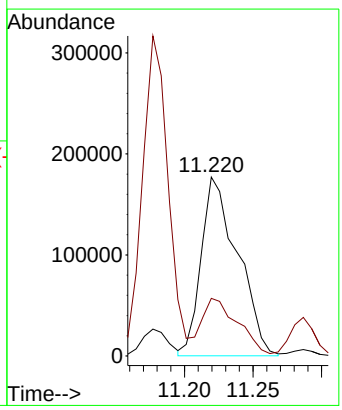


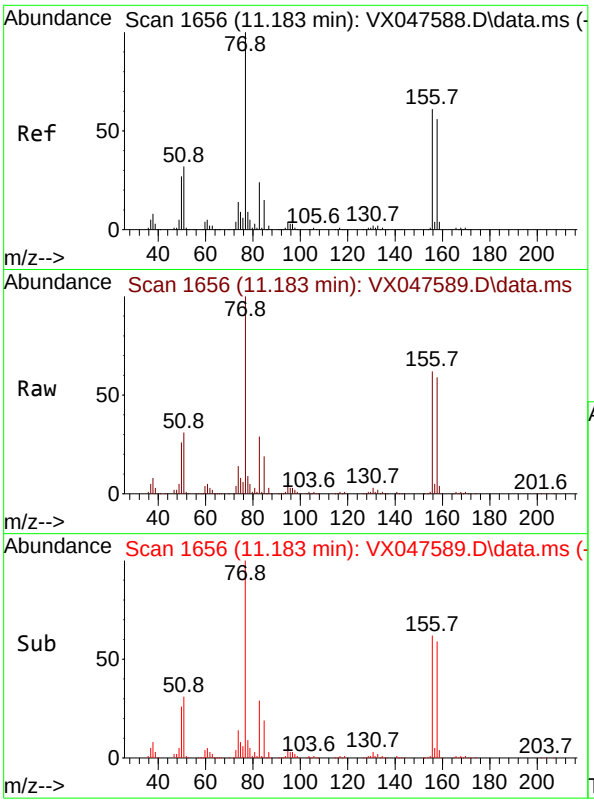


#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



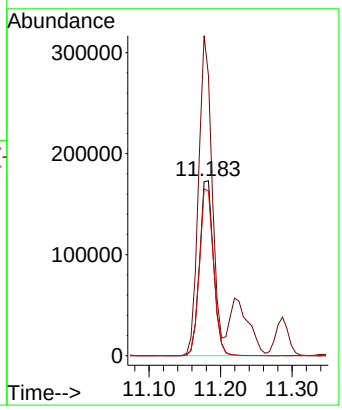


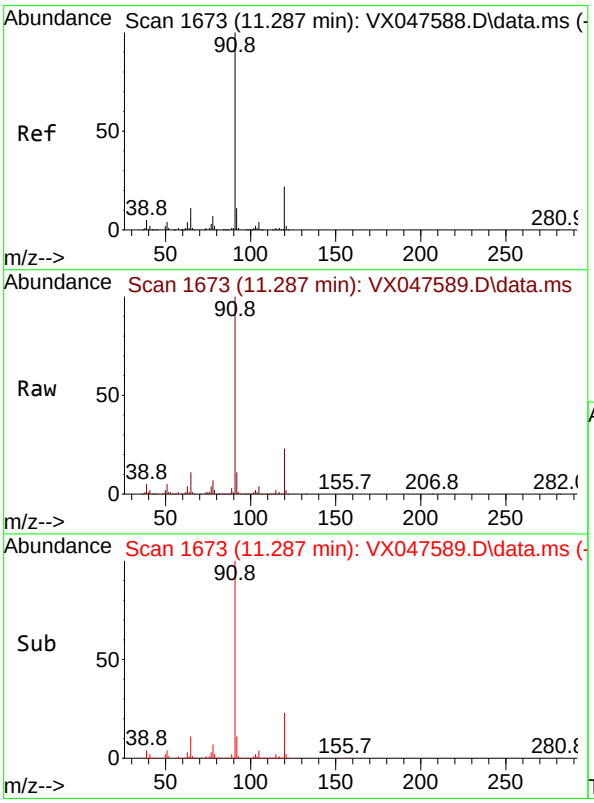
#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 234666

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6

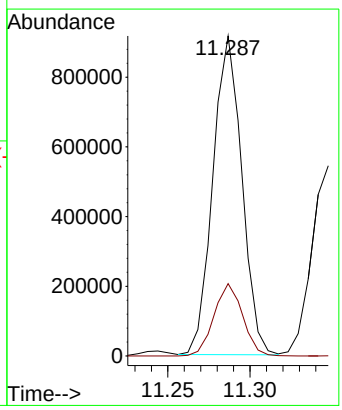


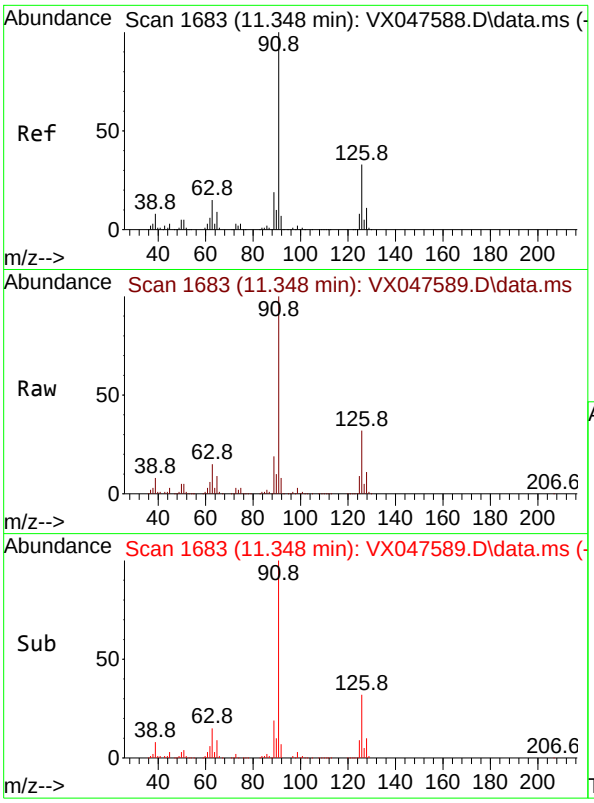


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



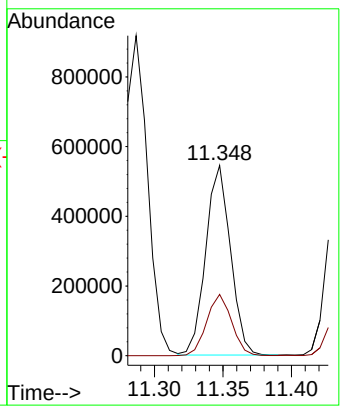


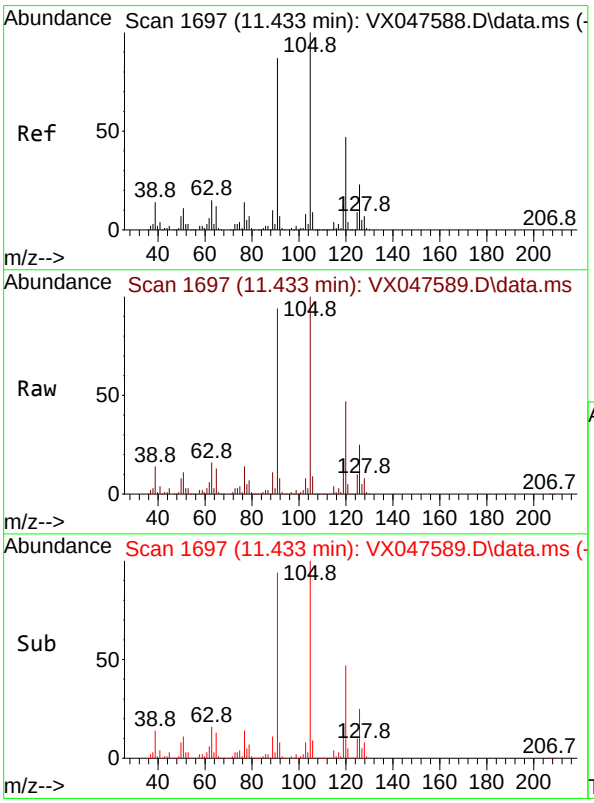
#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683867

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

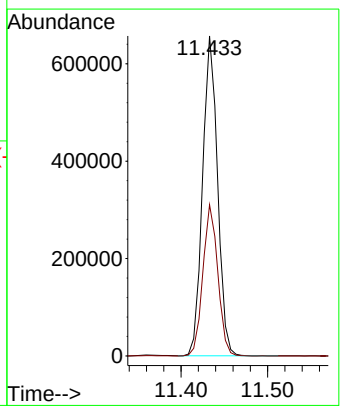


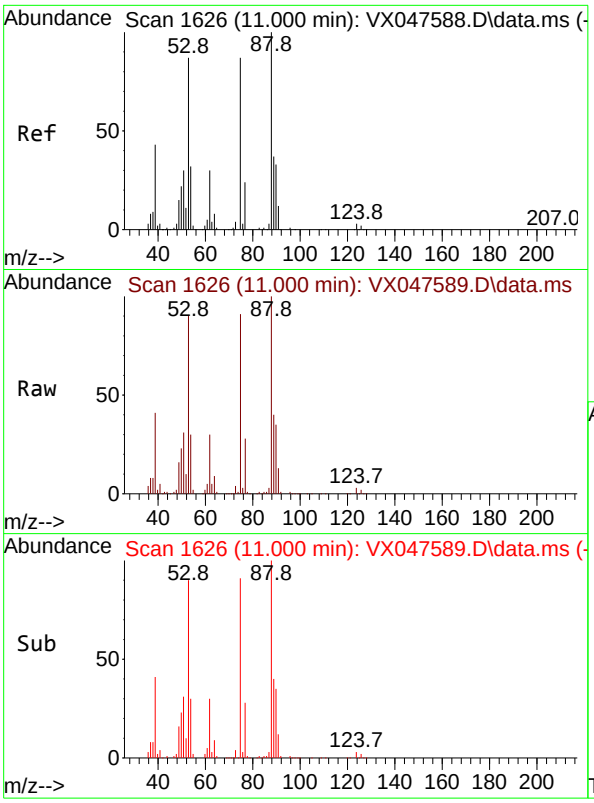


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



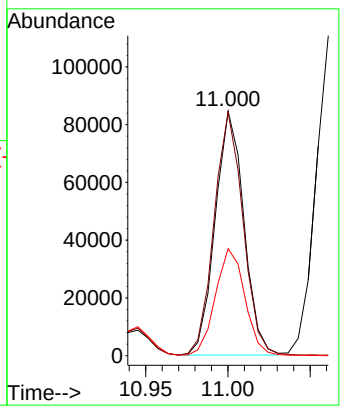


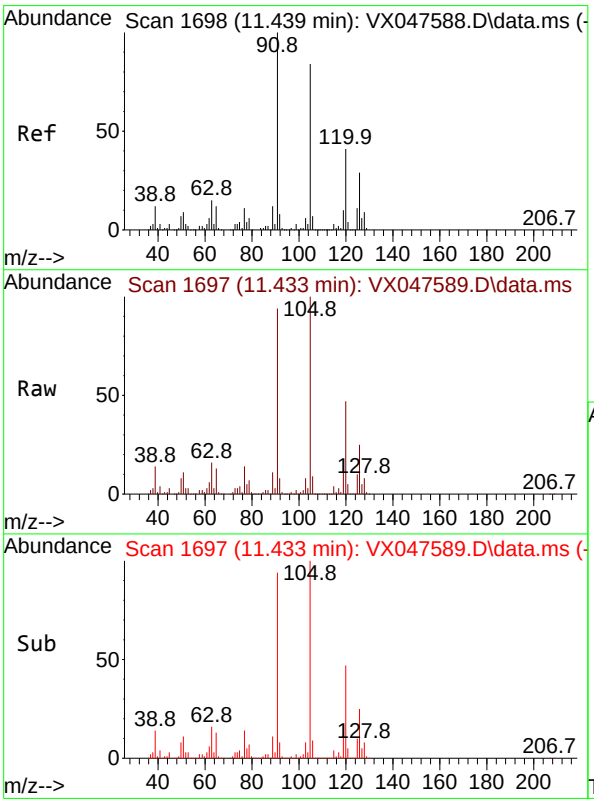
#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 102555

Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

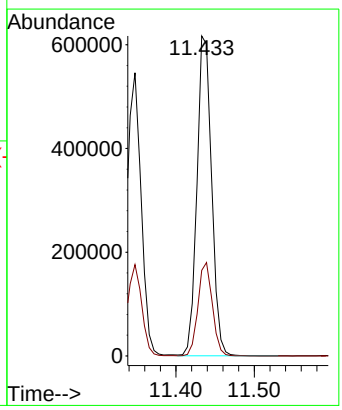


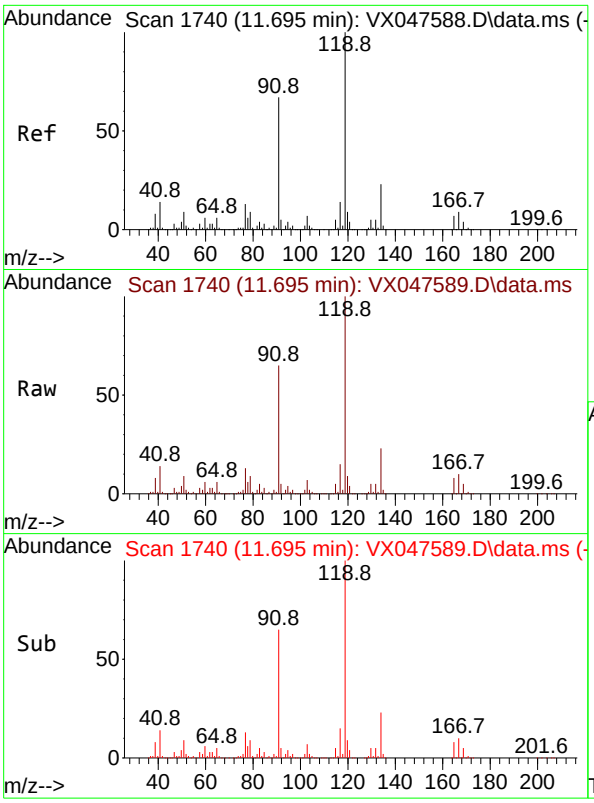


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



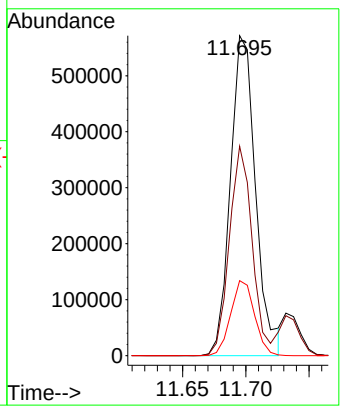


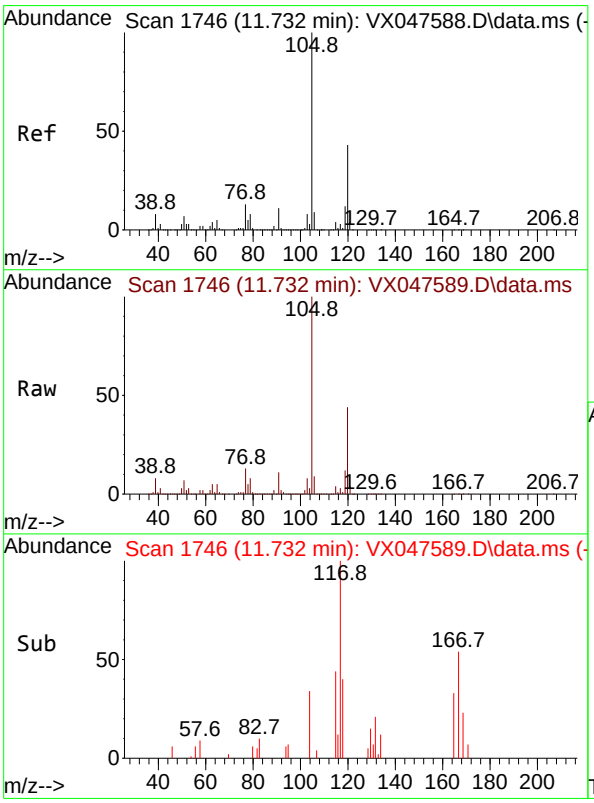
#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 791896

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0

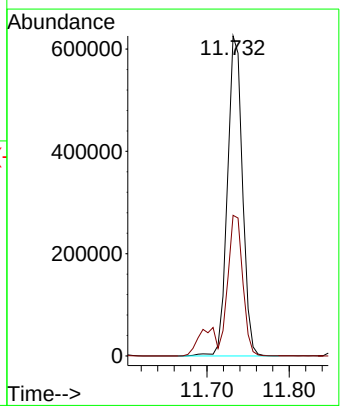


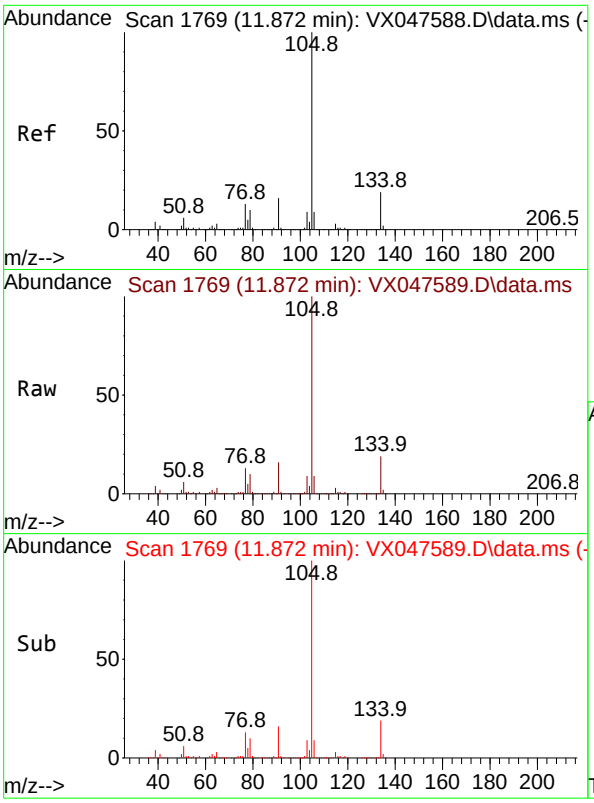


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



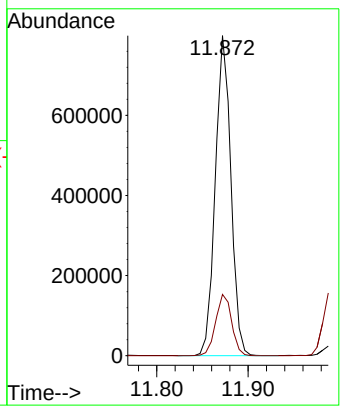


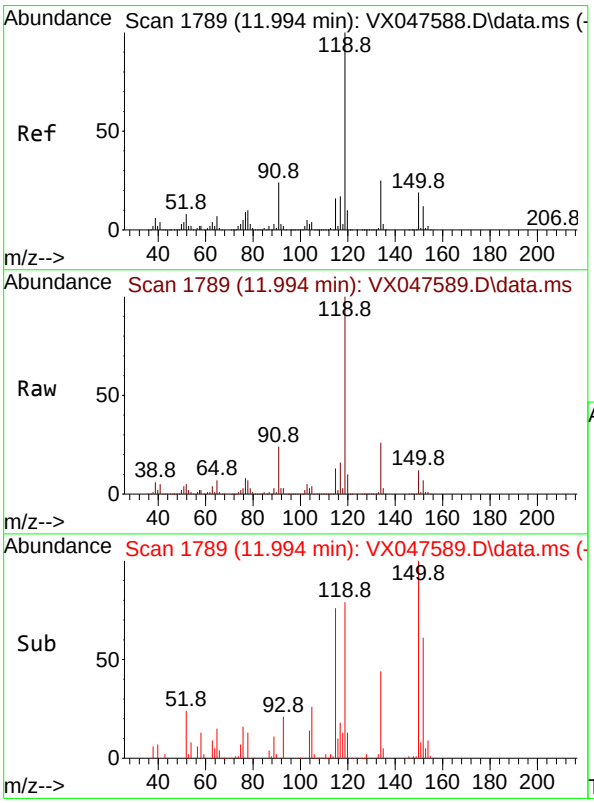
#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 945321

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

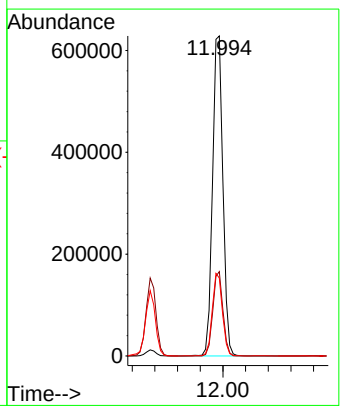


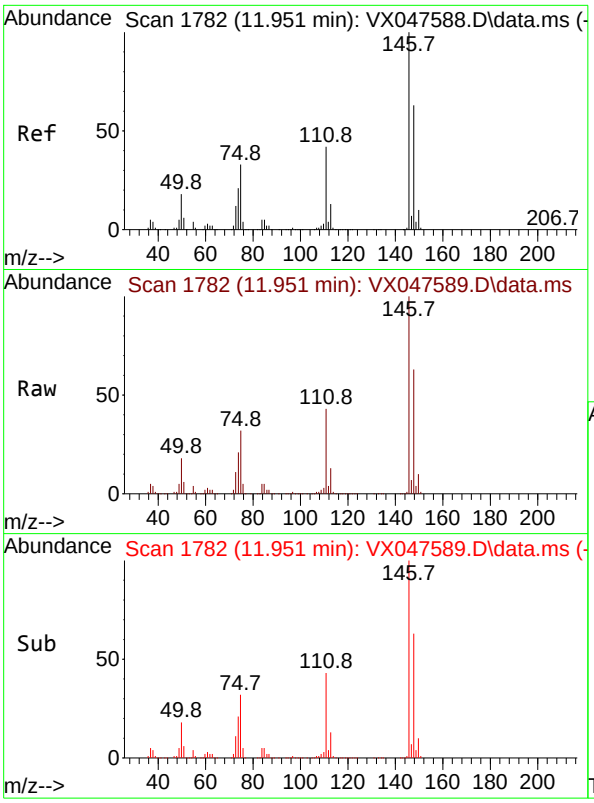


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6



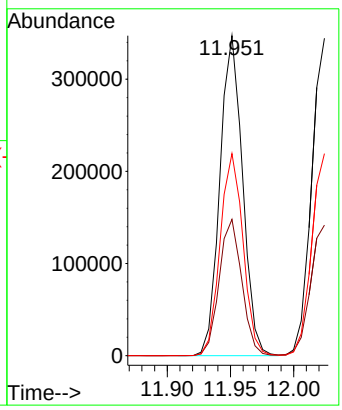


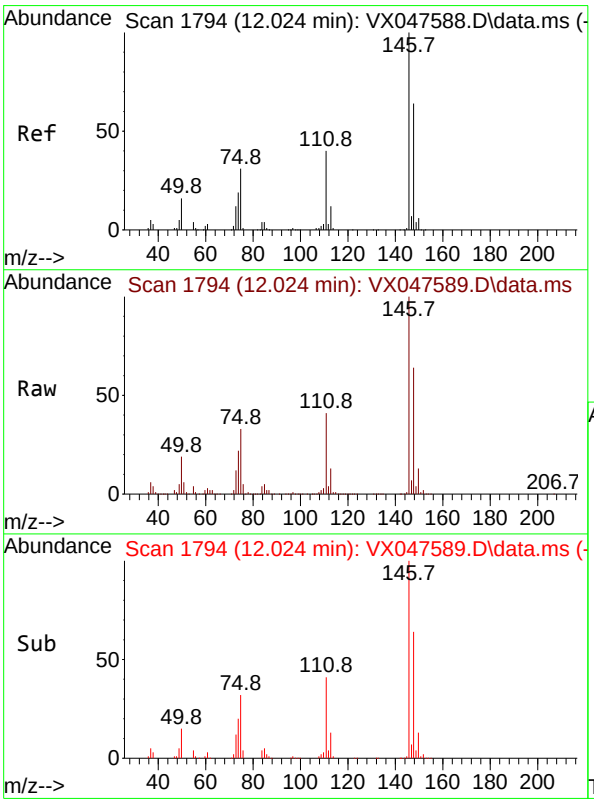
#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 432248

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0

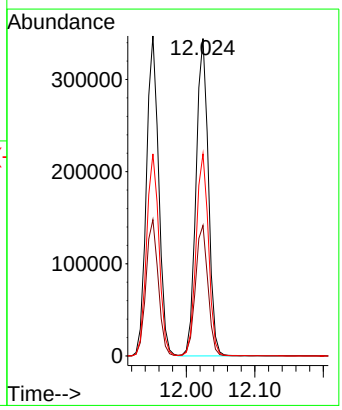


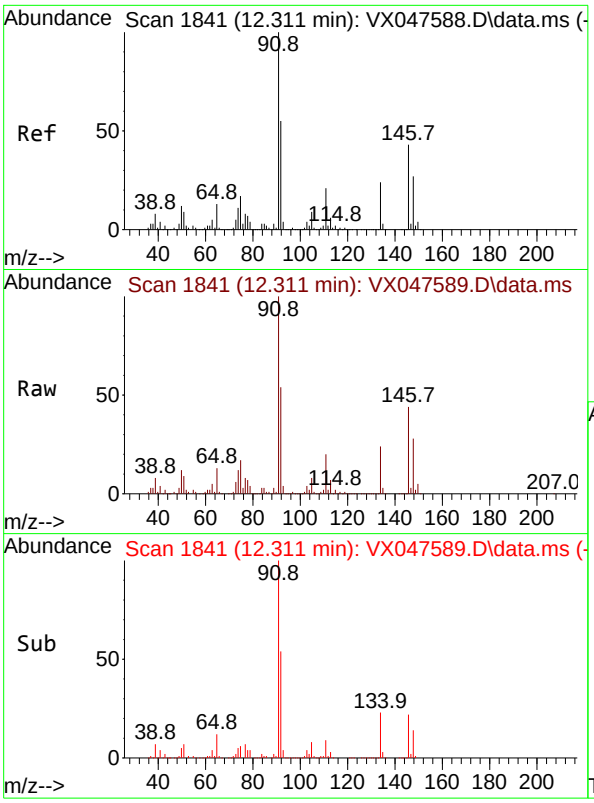


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1



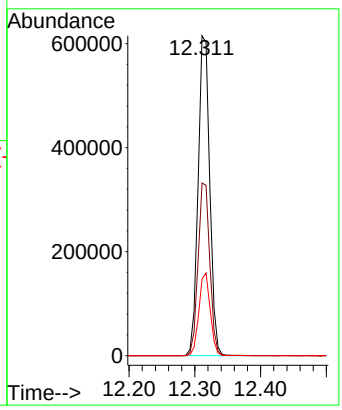


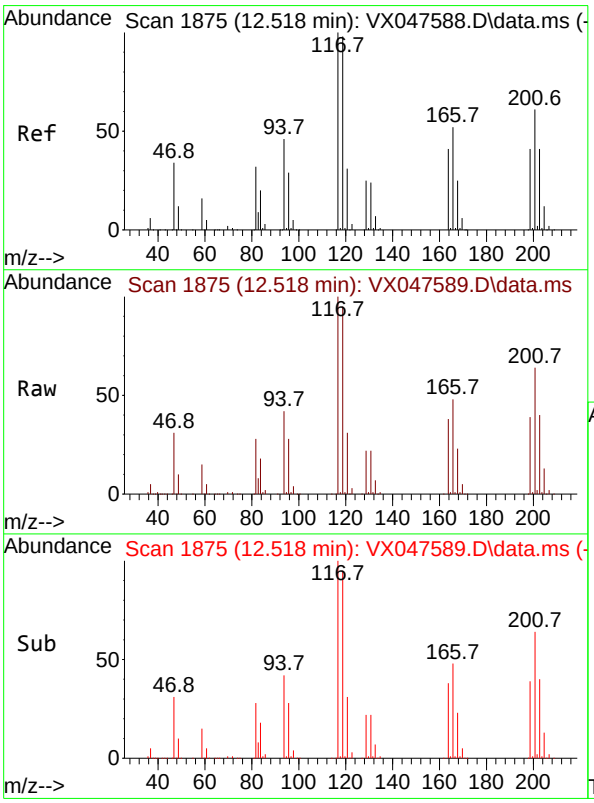
#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 757239

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

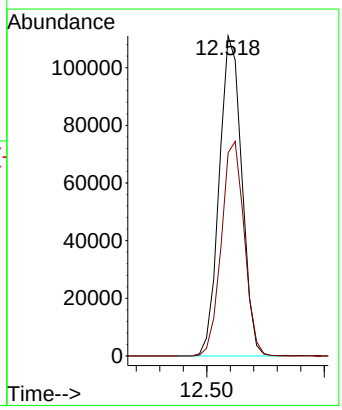


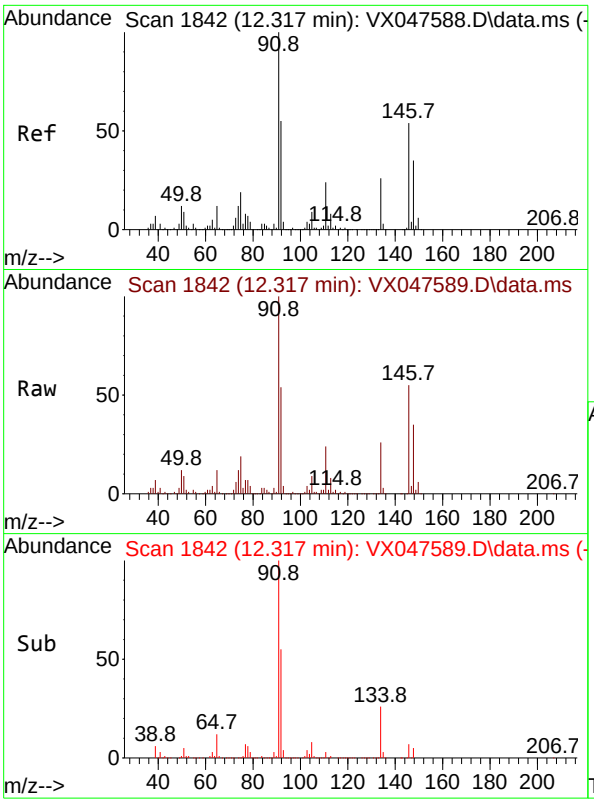


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5



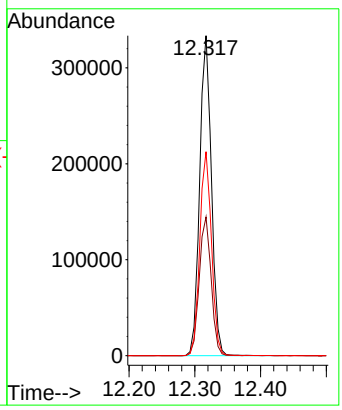


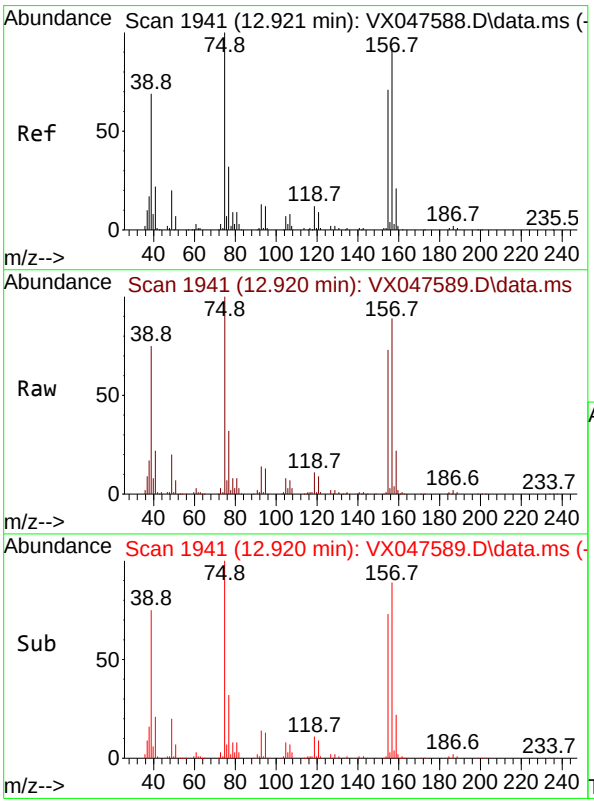
#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 414491

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4

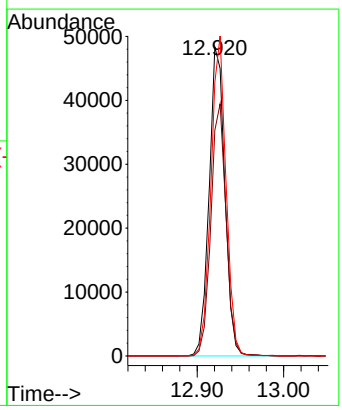


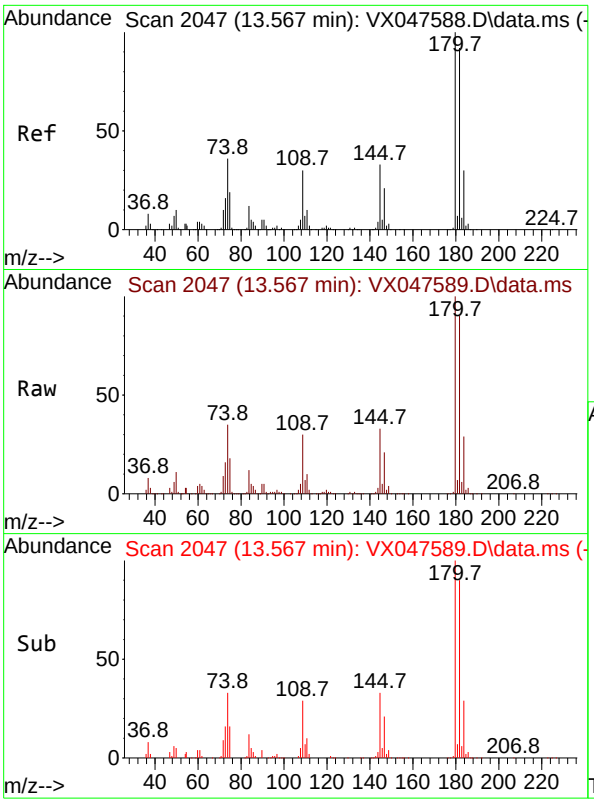


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4



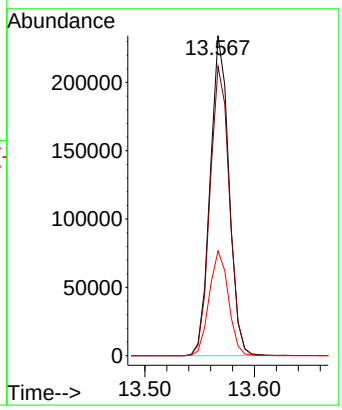


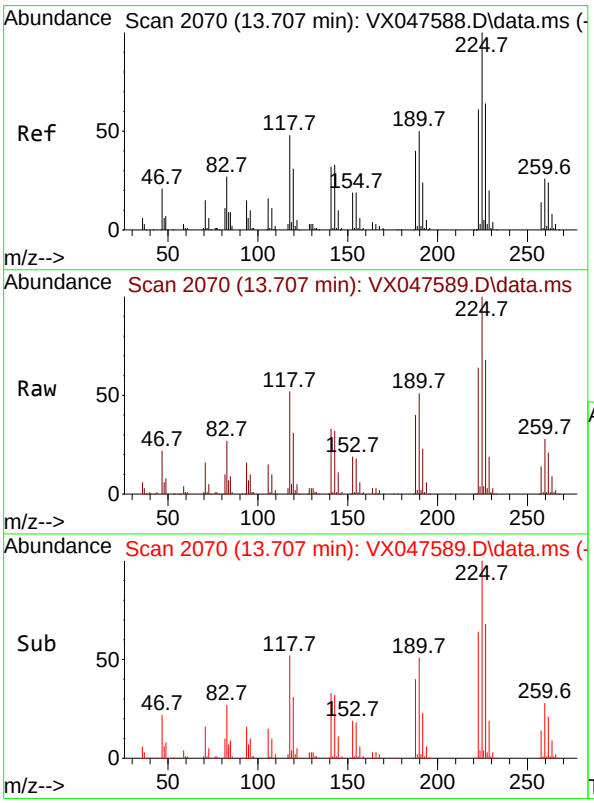
#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 278777

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1

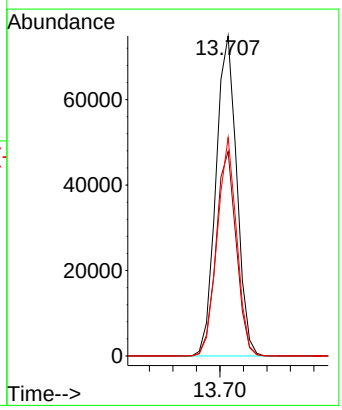


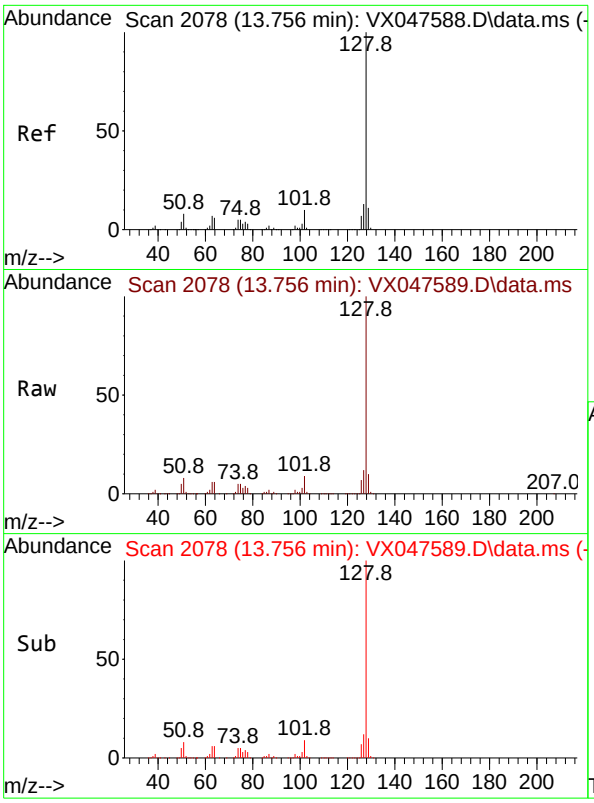


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0



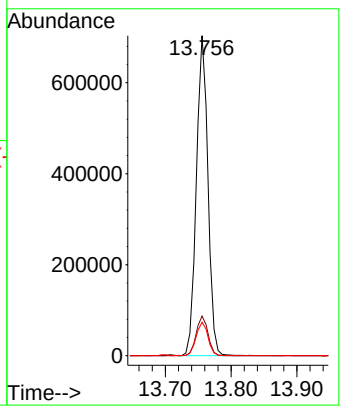


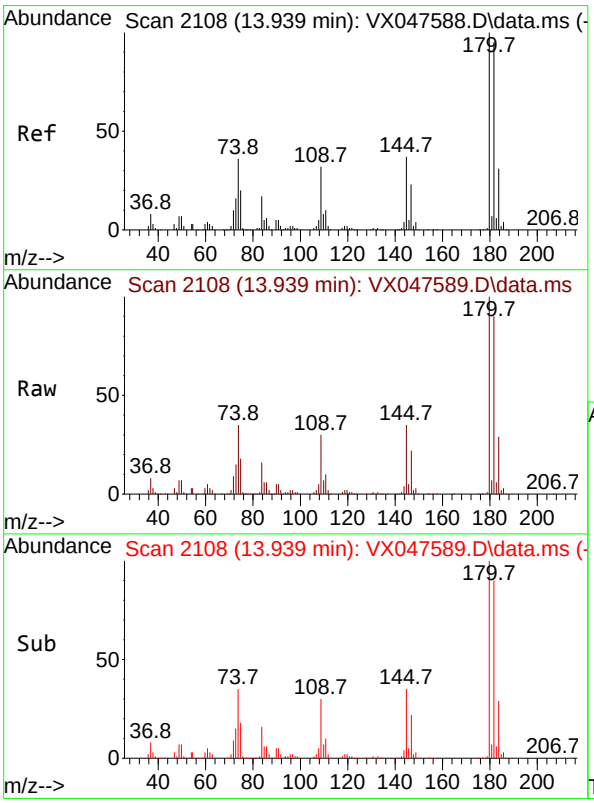
#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 854492

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

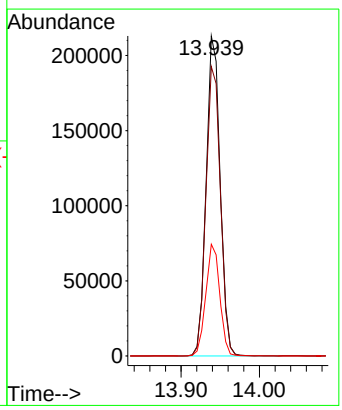




#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951	ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515	ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283	ug/l	99
44) Trichloroethene	7.111	130	299673	151.542	ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219	ug/l	99
46) Dibromomethane	7.568	93	228550	149.954	ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710	ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194	ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565	ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849	ug/l	100
52) Toluene	8.702	92	739332	146.712	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781	ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773	ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661	ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035	ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318	ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949	ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590	ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733	ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026	ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381	ug/l	99
69) o-Xylene	10.628	106	521840	152.920	ug/l	99
70) Styrene	10.640	104	917532	153.449	ug/l	99
71) Bromoform	10.781	173	229683	162.262	ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477	ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	470623	202.576	ug/l	89
77) Bromobenzene	11.183	156	328336	152.818	ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337	ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176	ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112	ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336	ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448	ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814	ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222	ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110	ug/l	99
95) Naphthalene	13.756	128	1229363	163.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

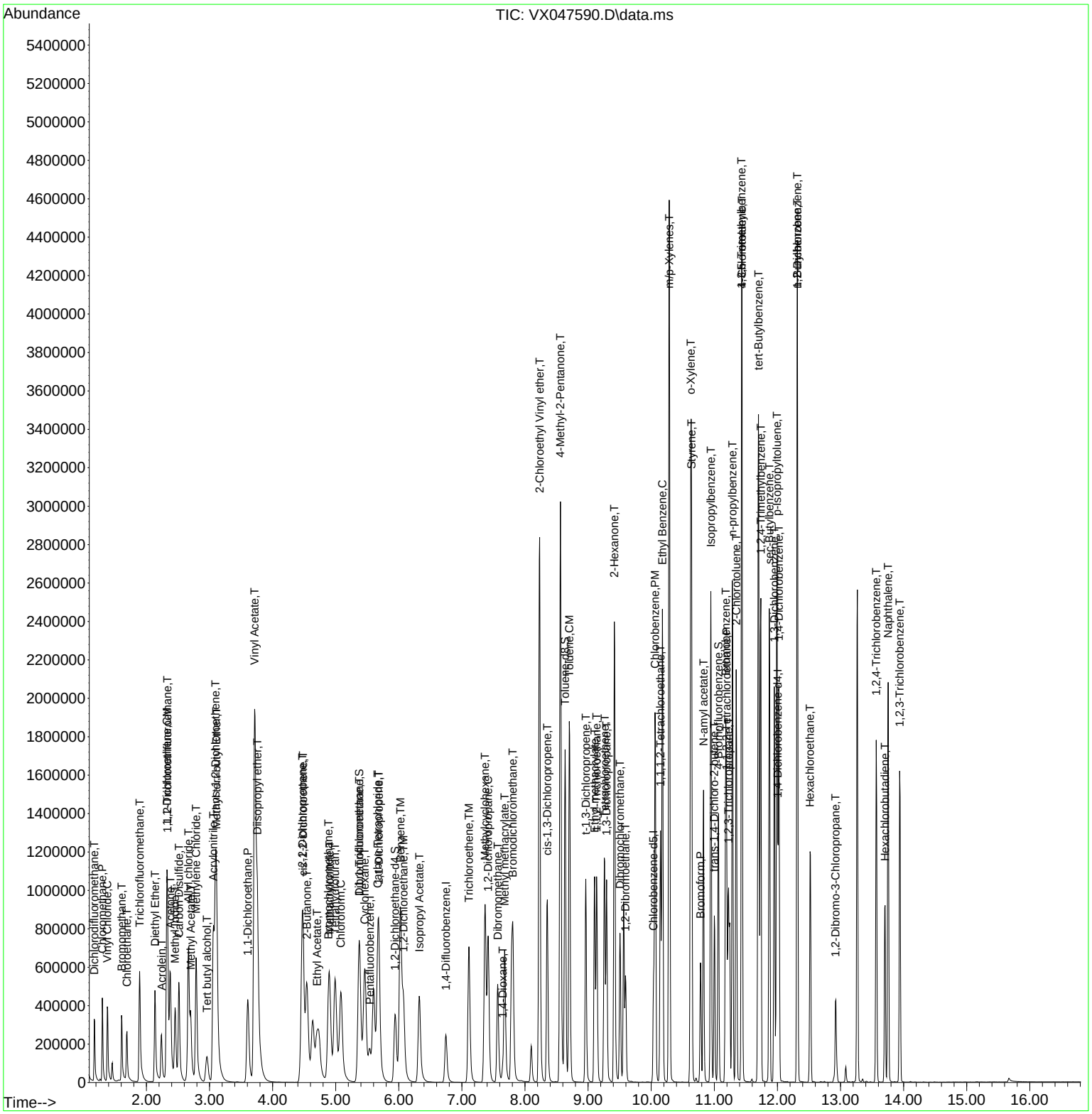
(#) = qualifier out of range (m) = manual integration (+) = signals summed

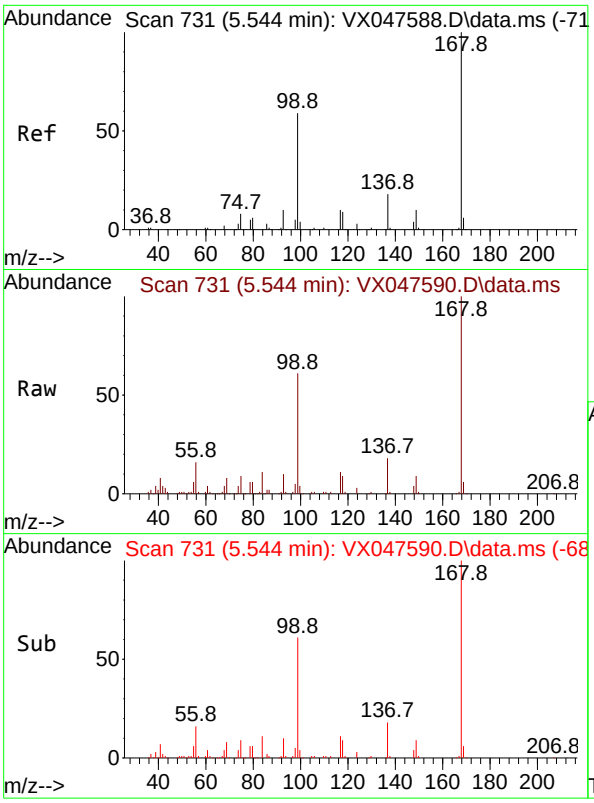
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



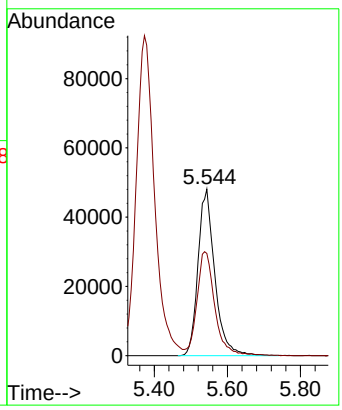


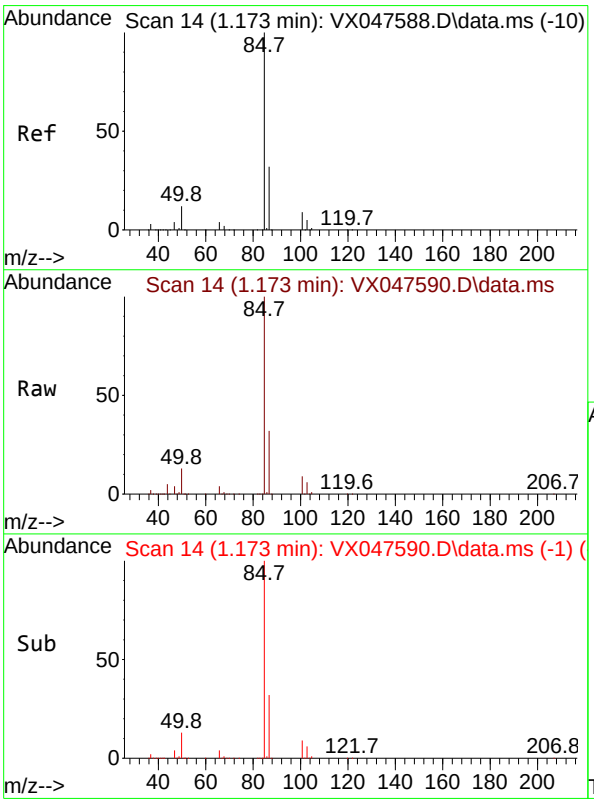
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 153177

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

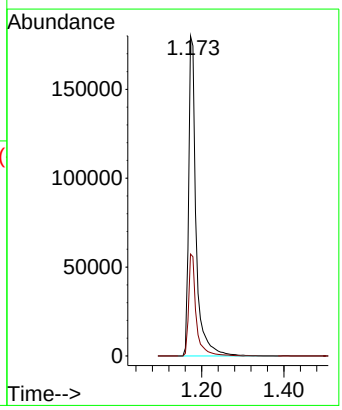


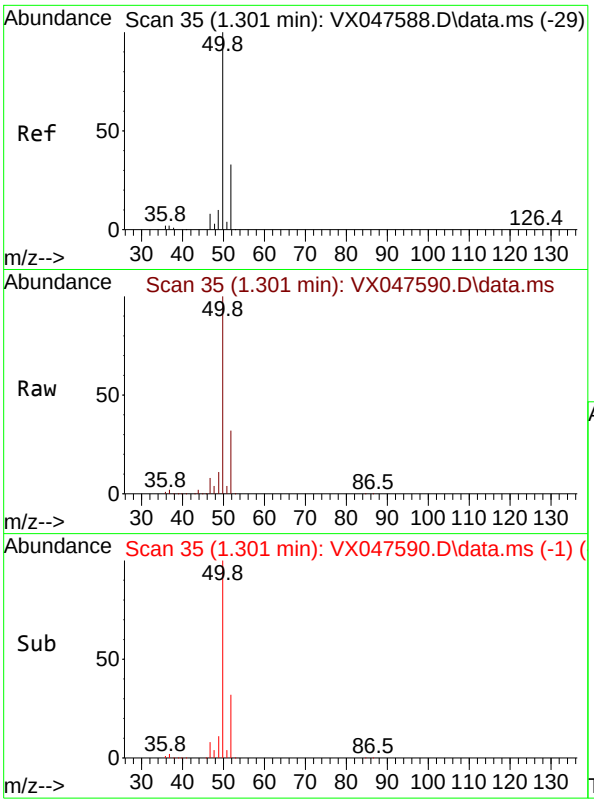


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



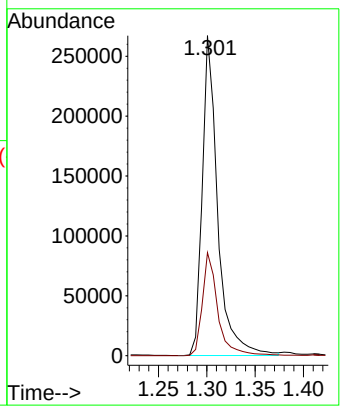


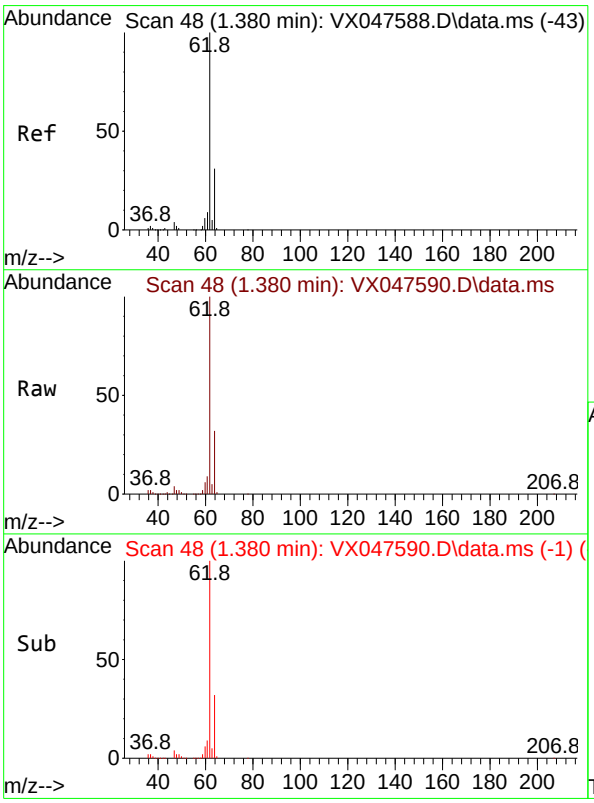
#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297259

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

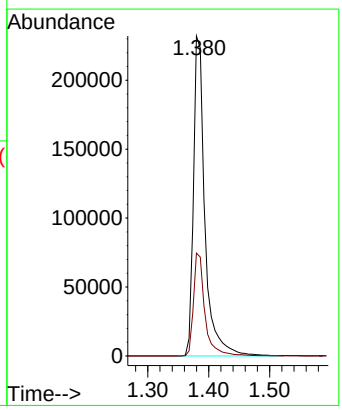


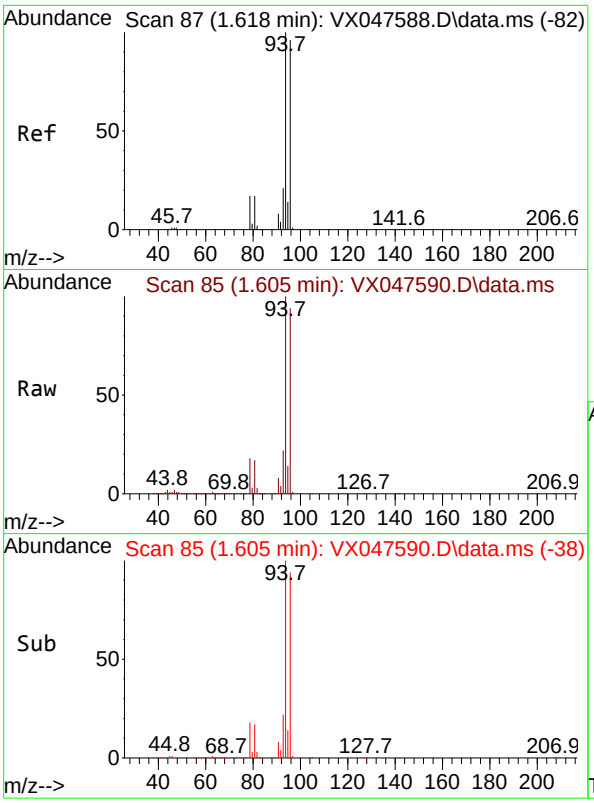


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3



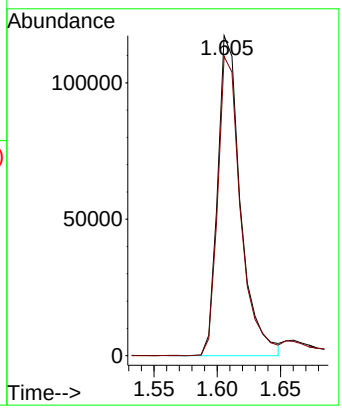


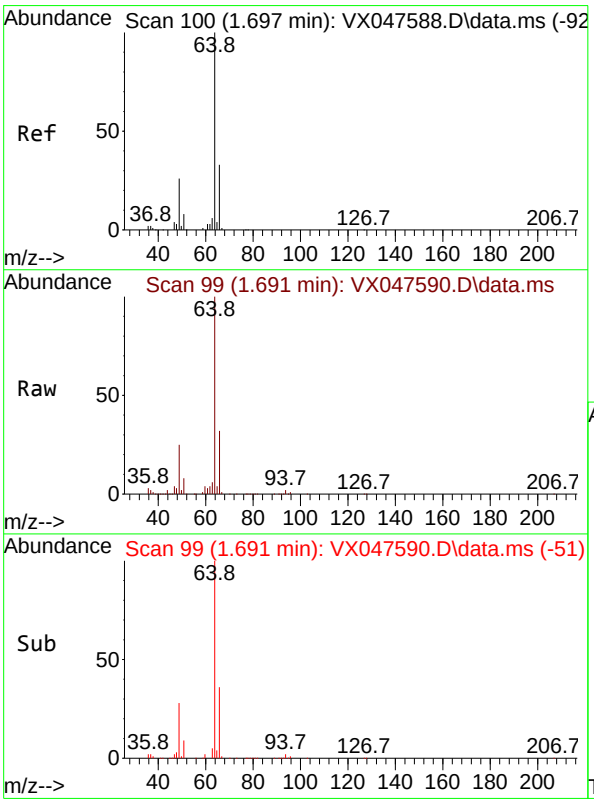
#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 147541

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

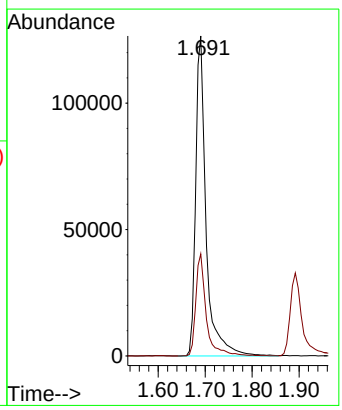


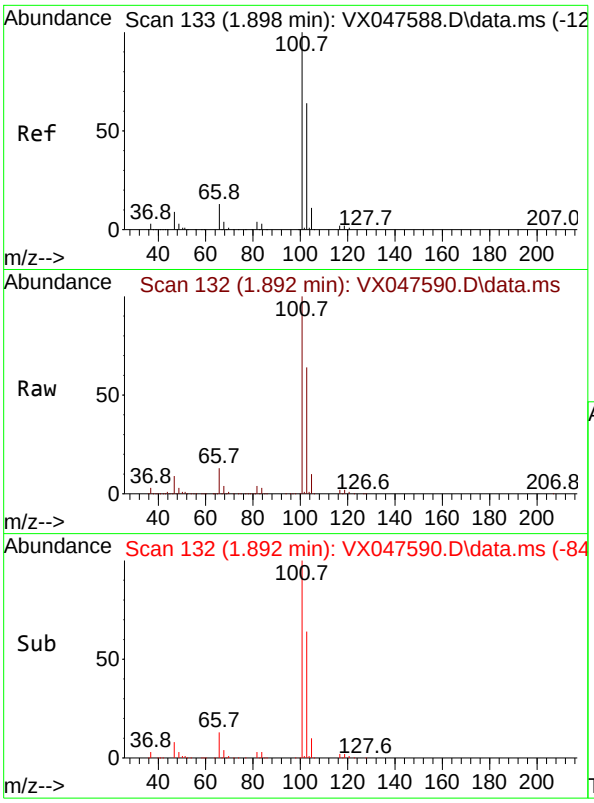


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1



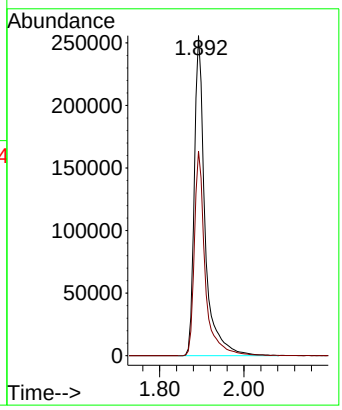


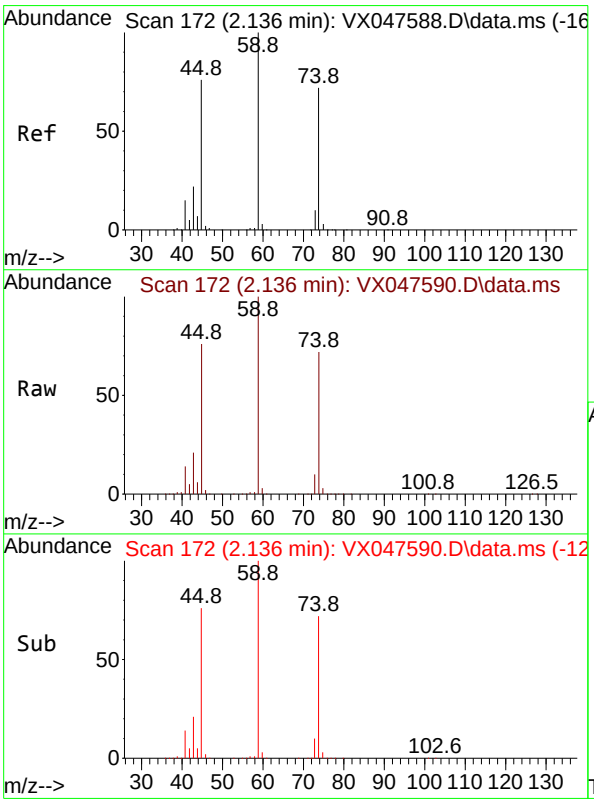
#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 453116

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

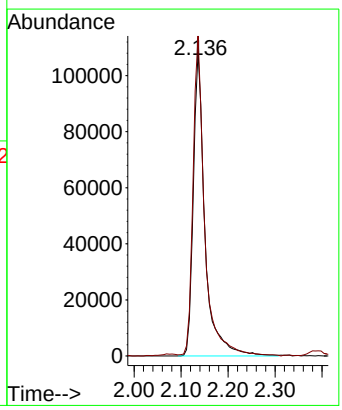


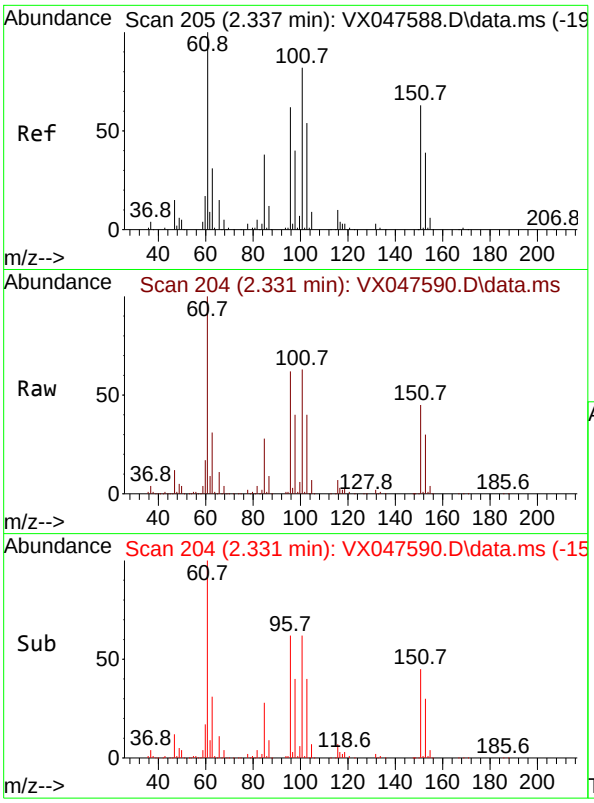


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8



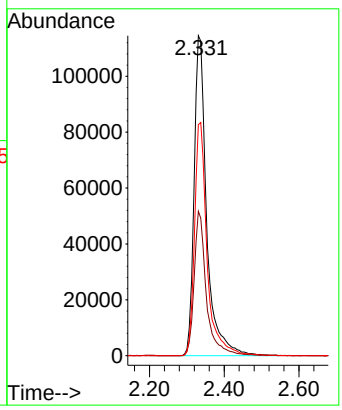


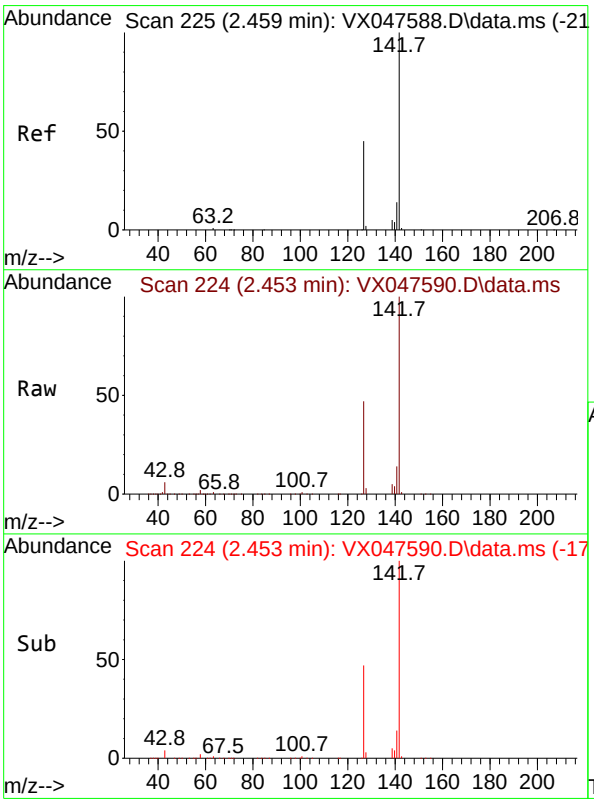
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 267995

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

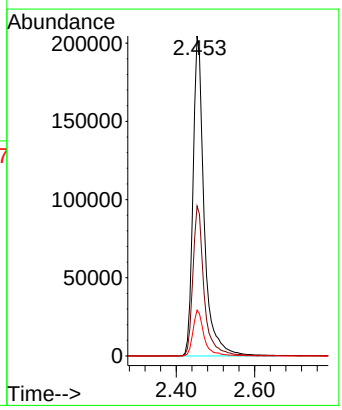


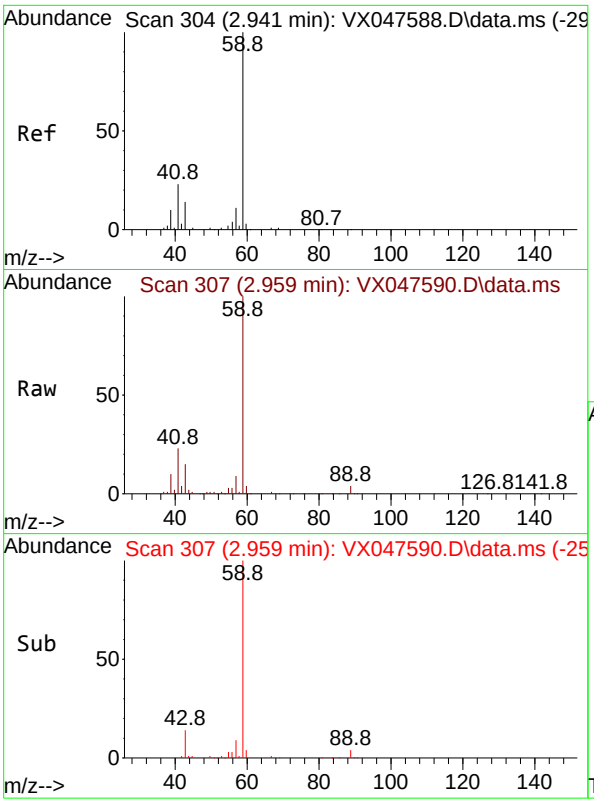


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0



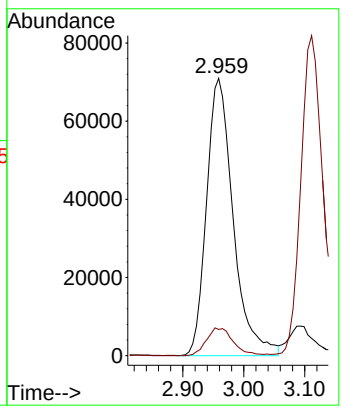


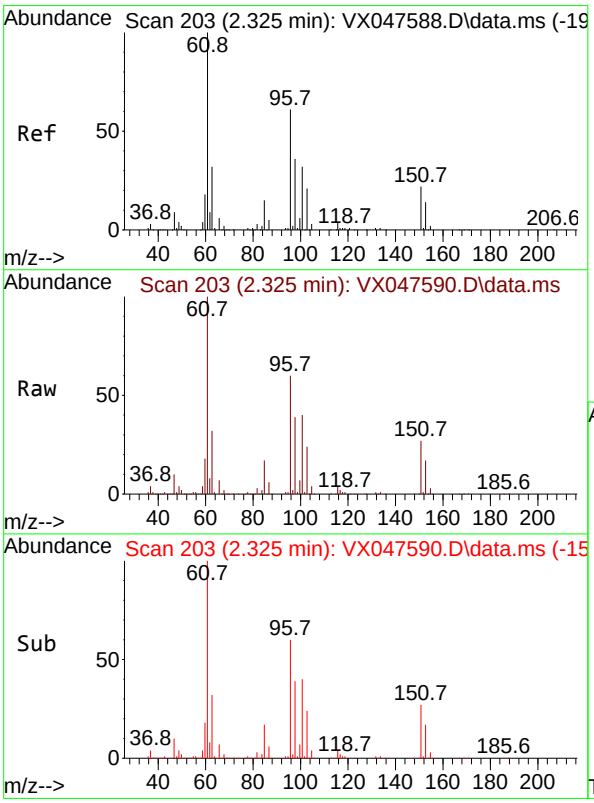
#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 215927

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

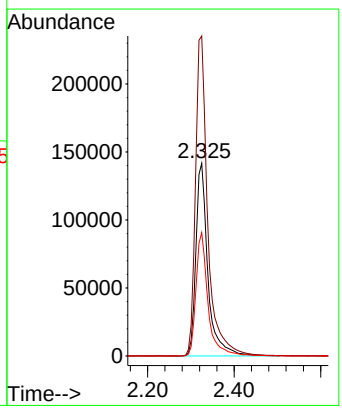


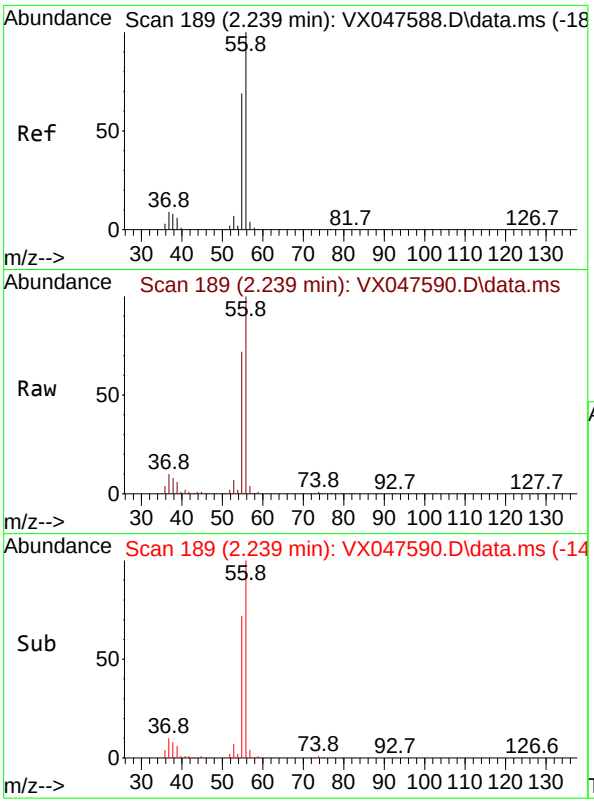


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5



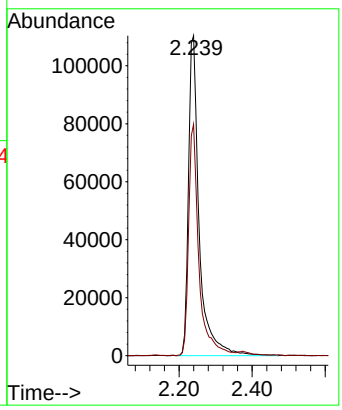


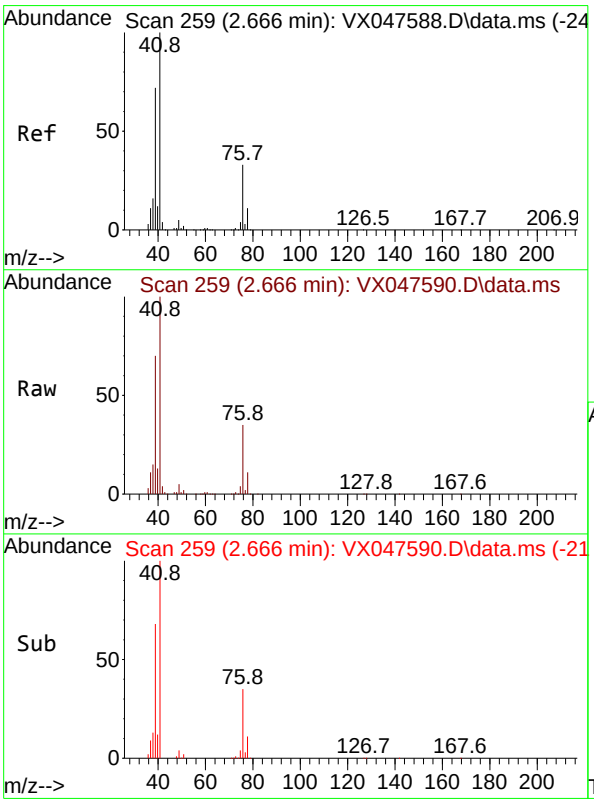
#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 223763

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

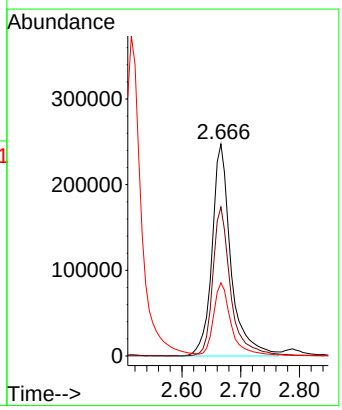


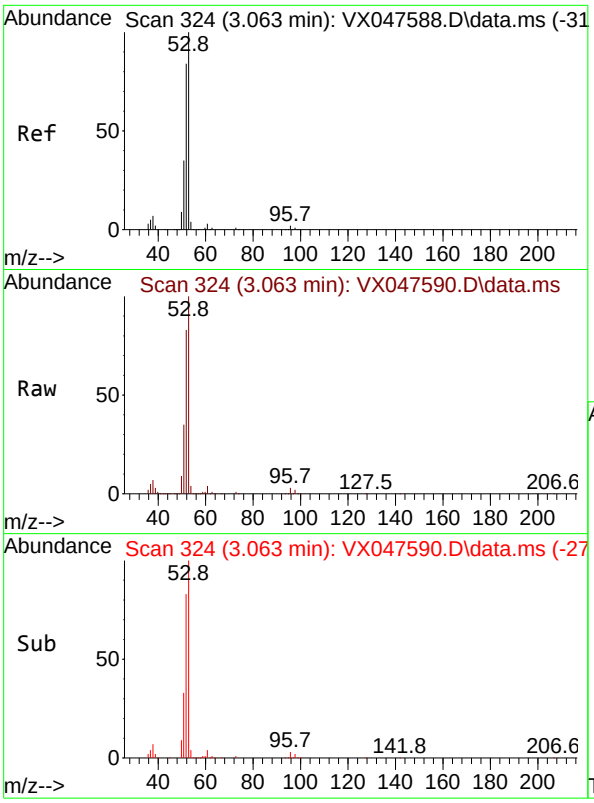


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5



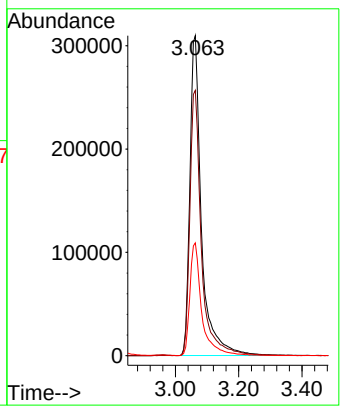


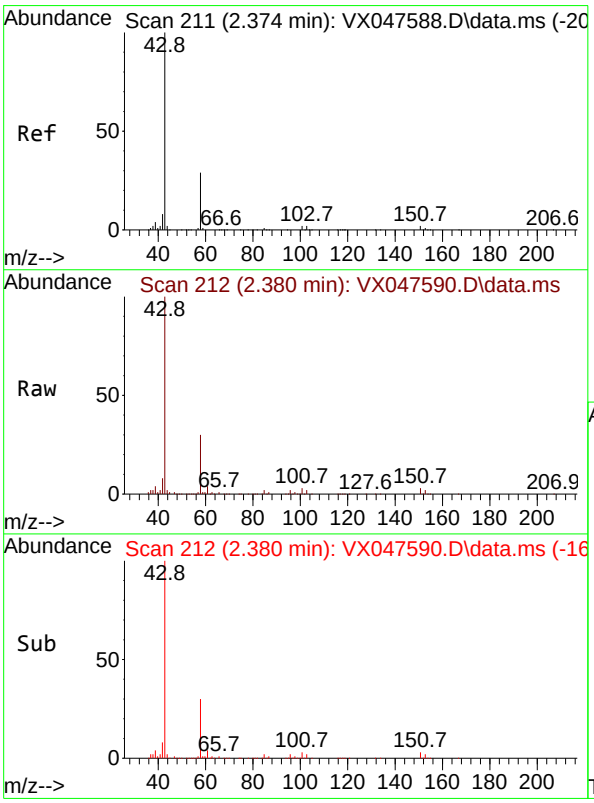
#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 790790

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

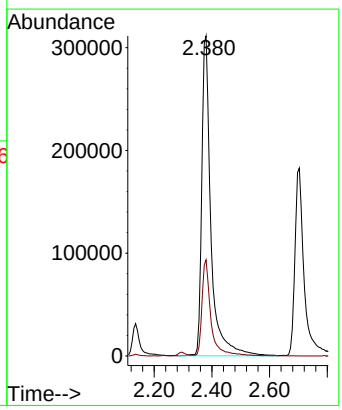


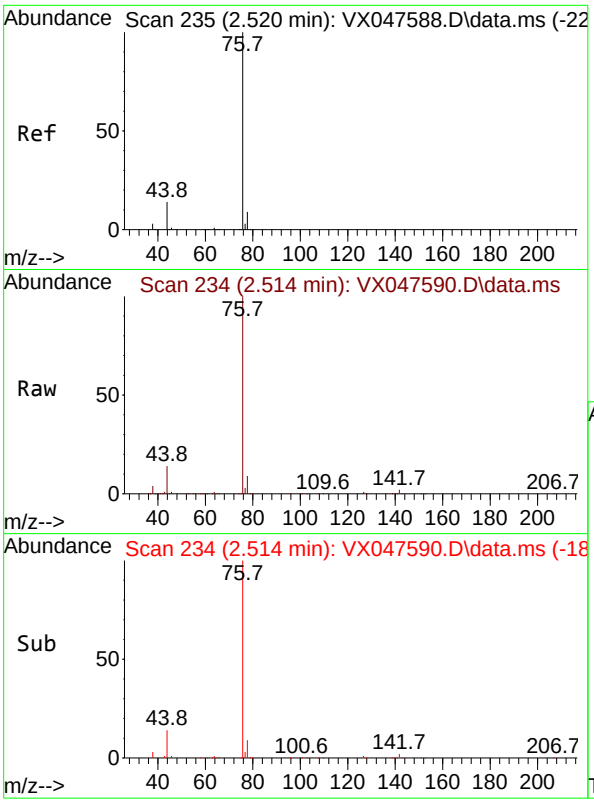


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



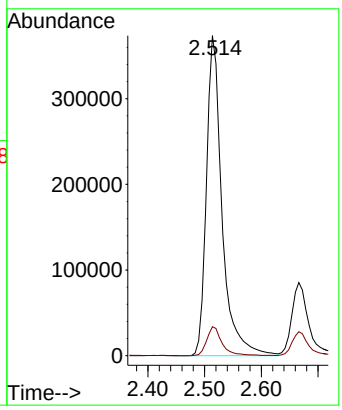


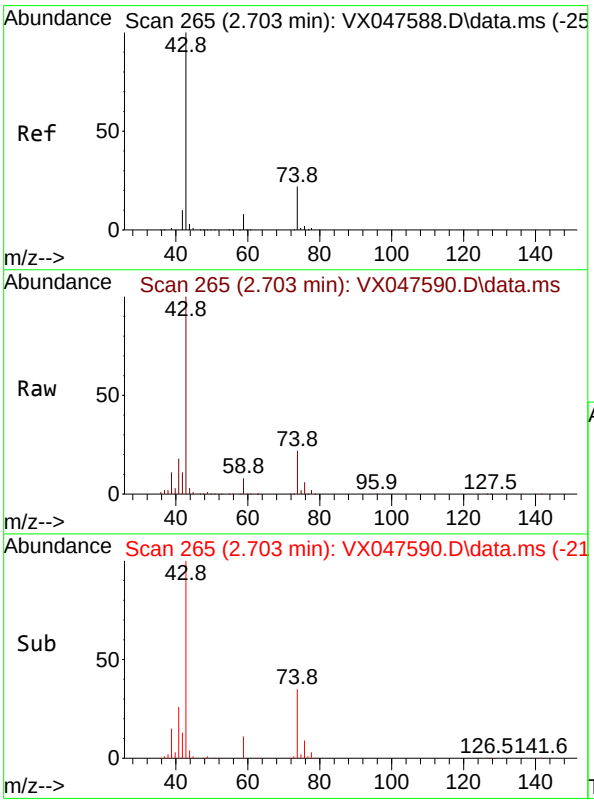
#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 714503

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

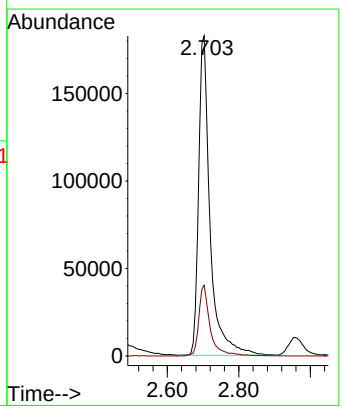


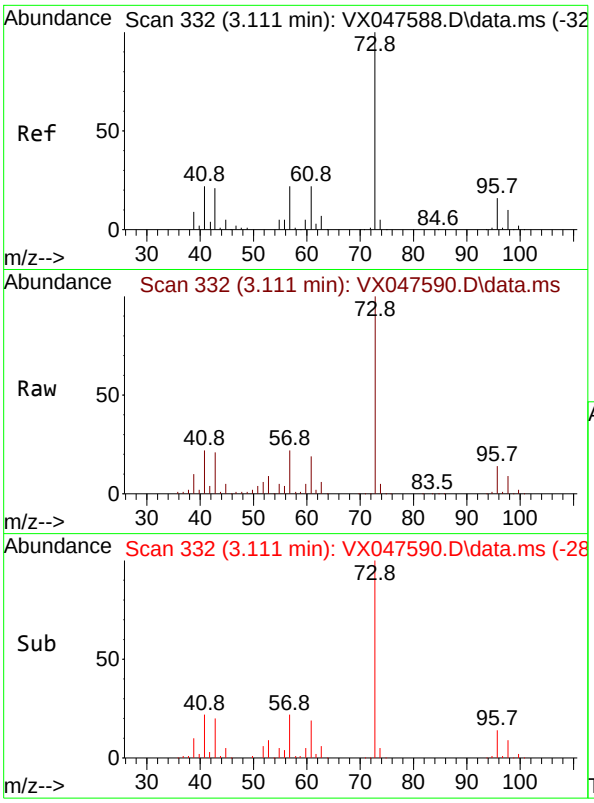


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



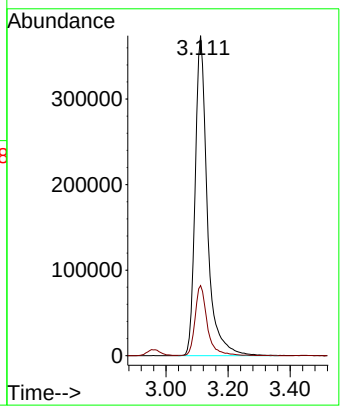


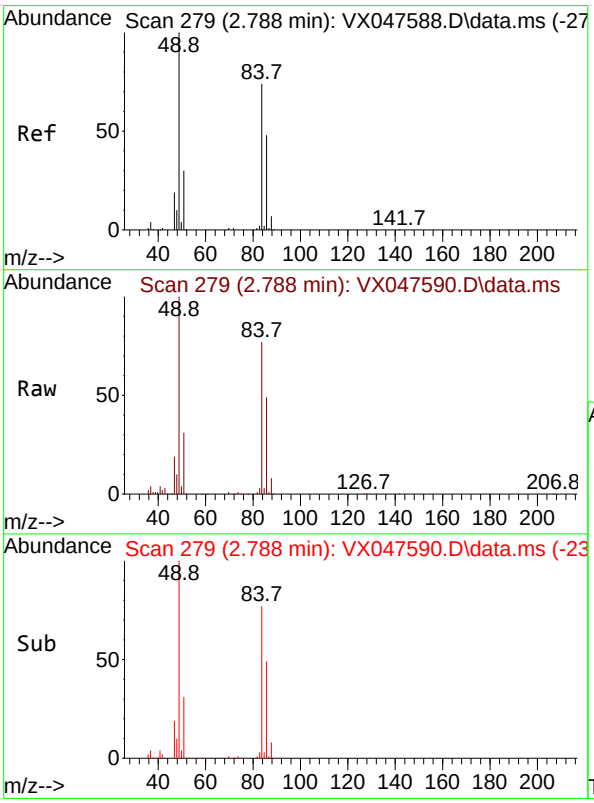
#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1015295

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

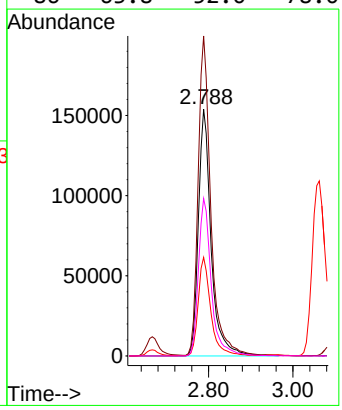


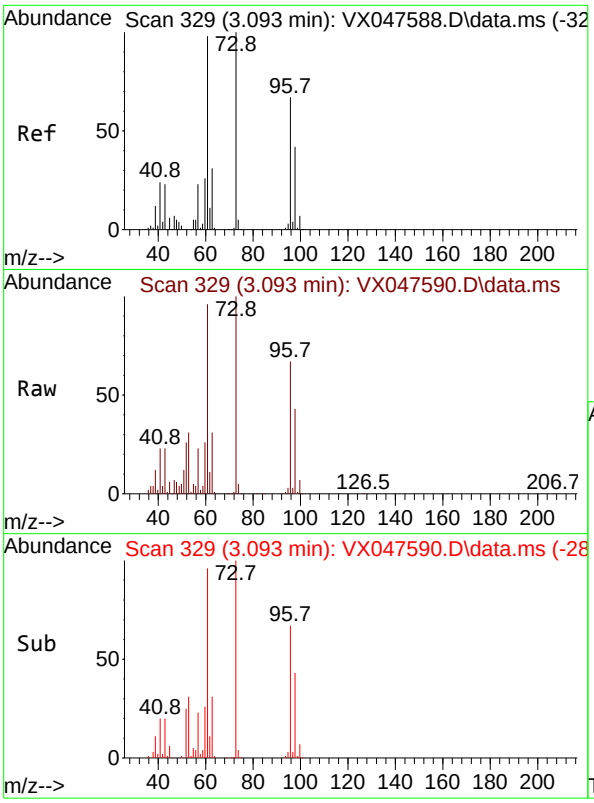


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0



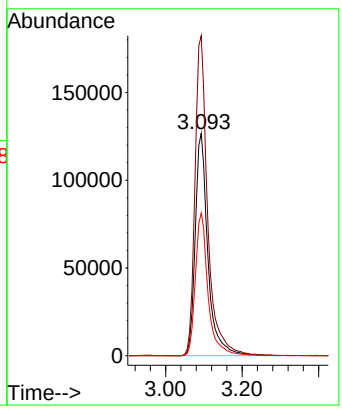


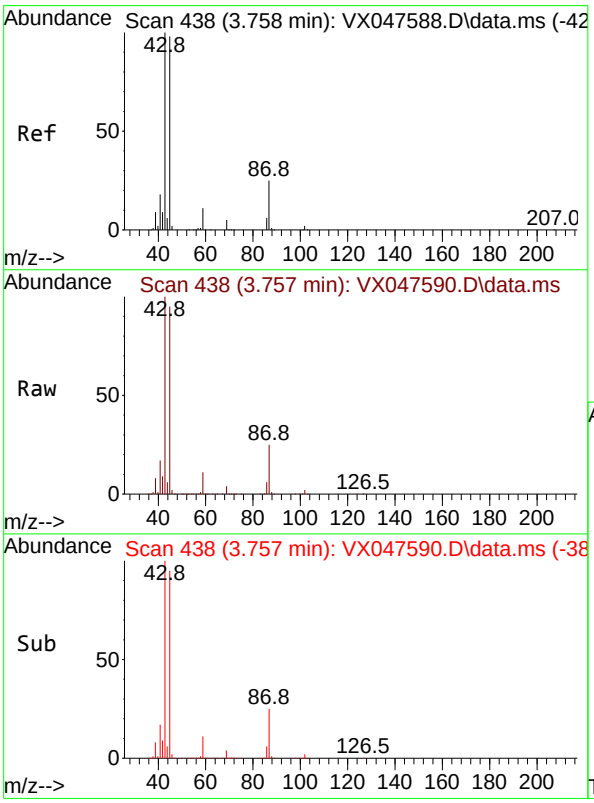
#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 291616

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9

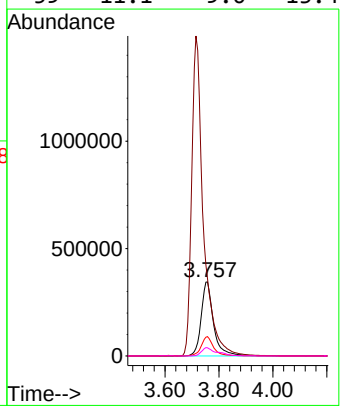


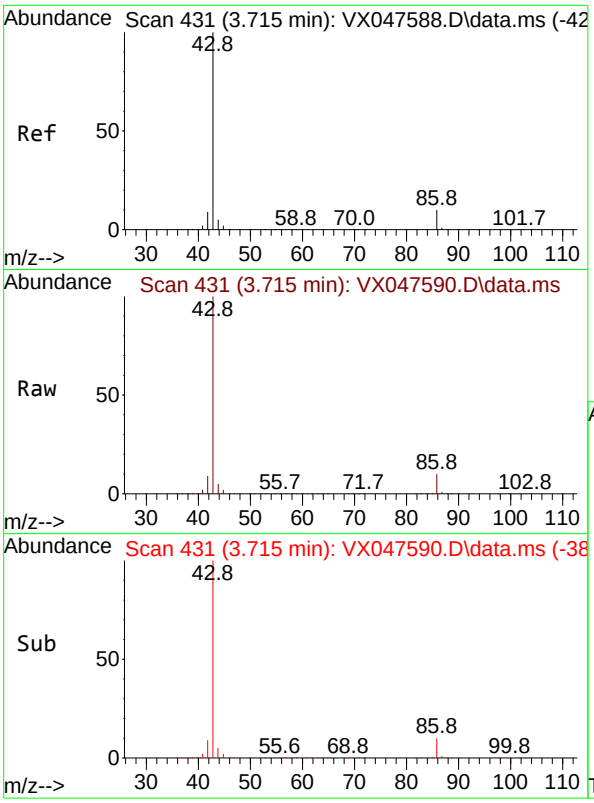


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4



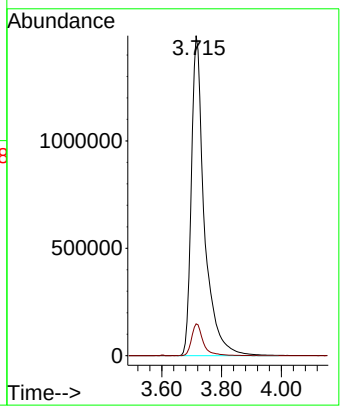


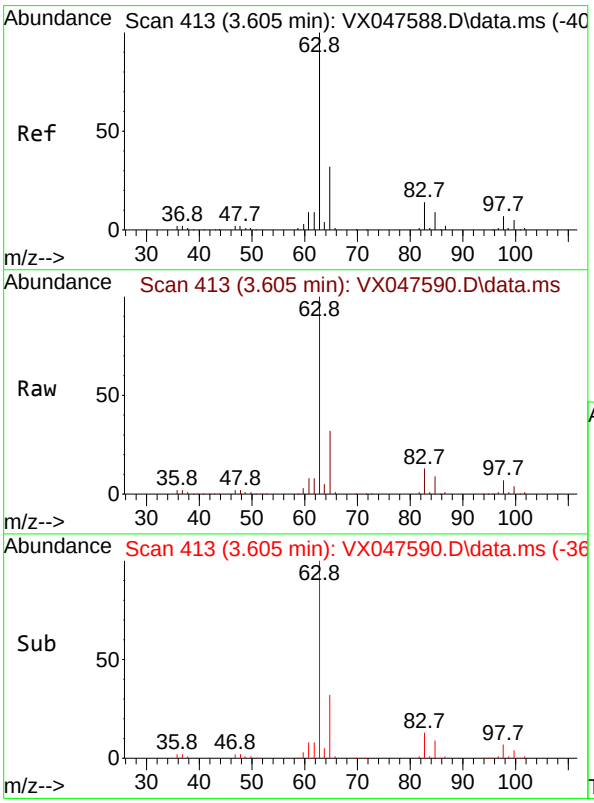
#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4504849

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

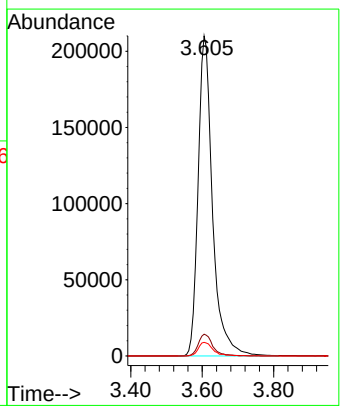


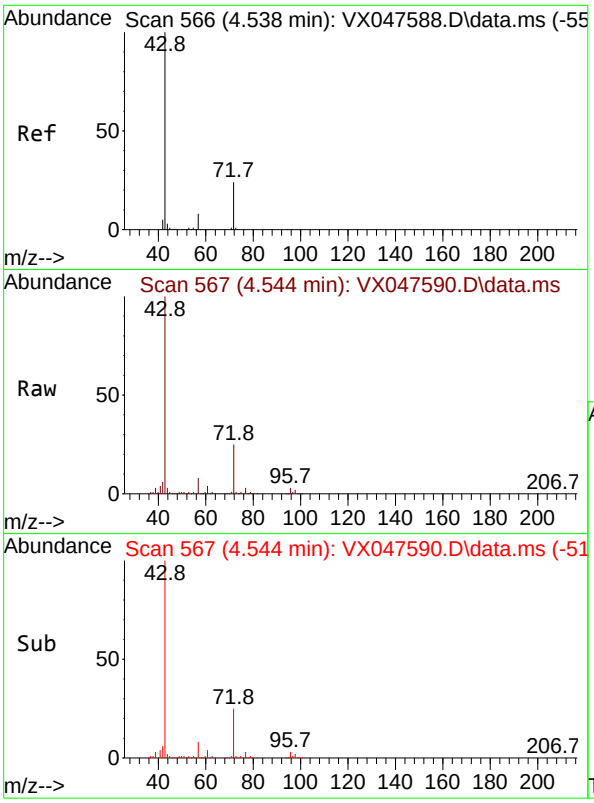


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9



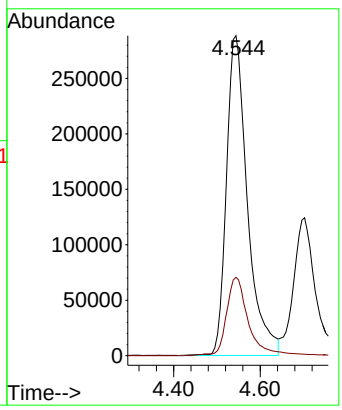


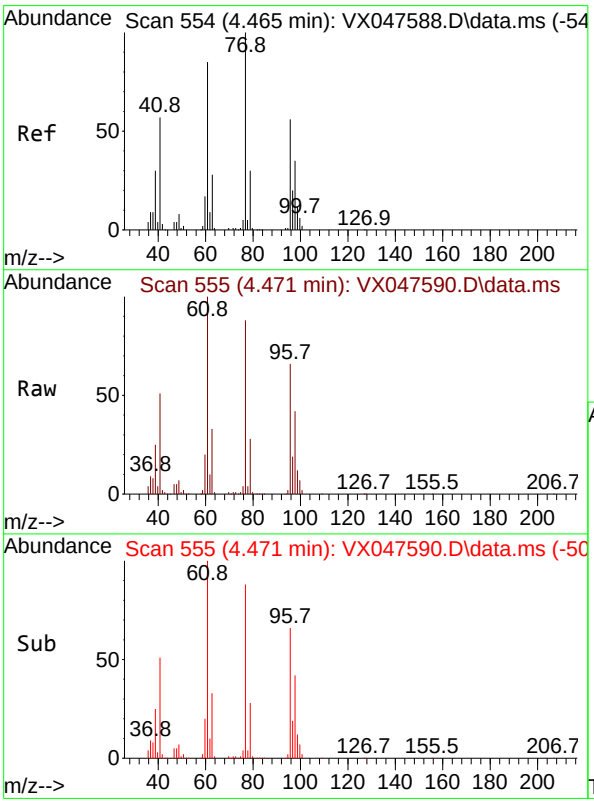
#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 973938

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

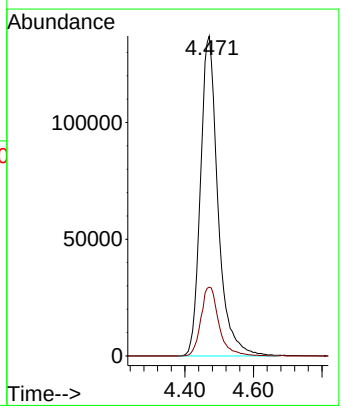


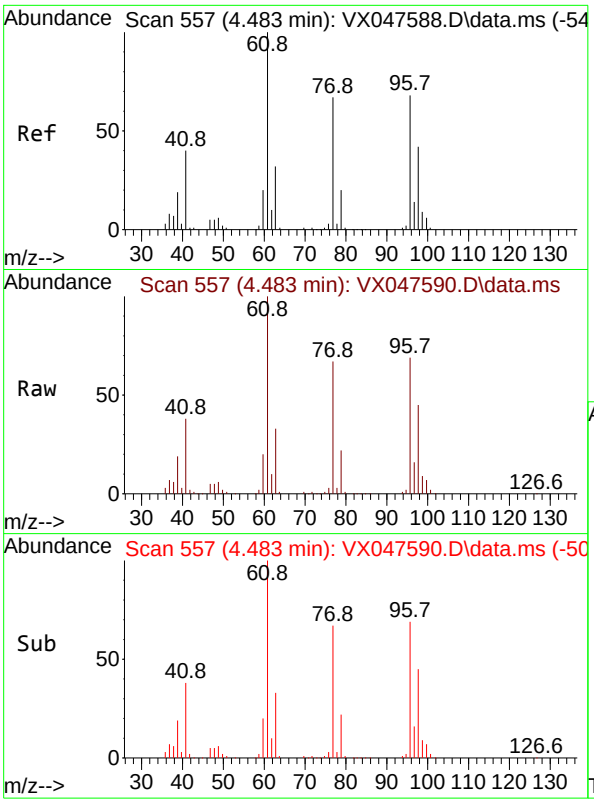


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



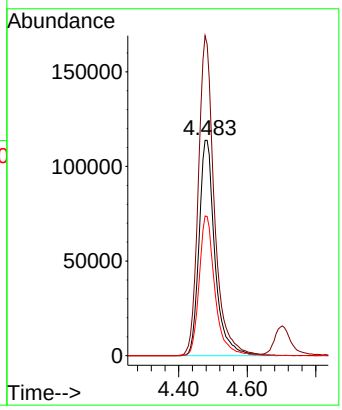


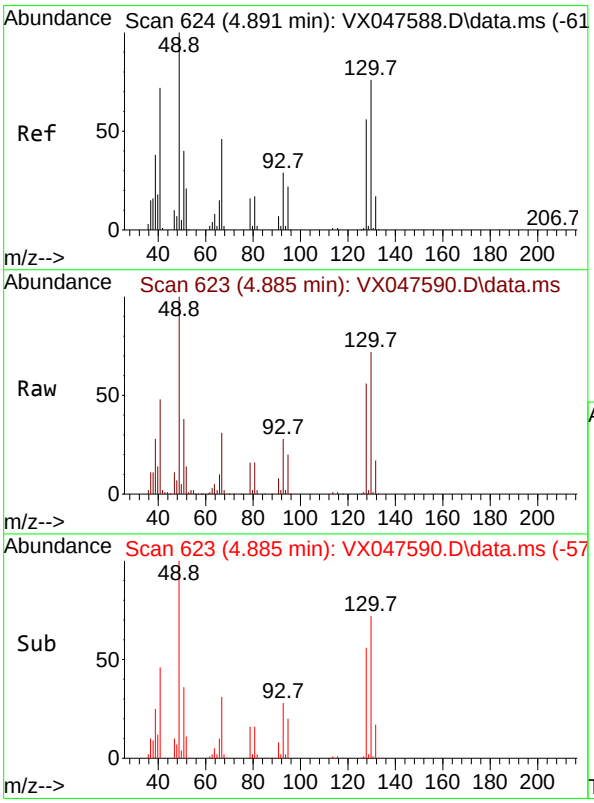
#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 366262

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8

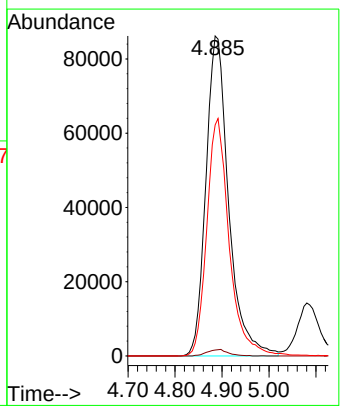


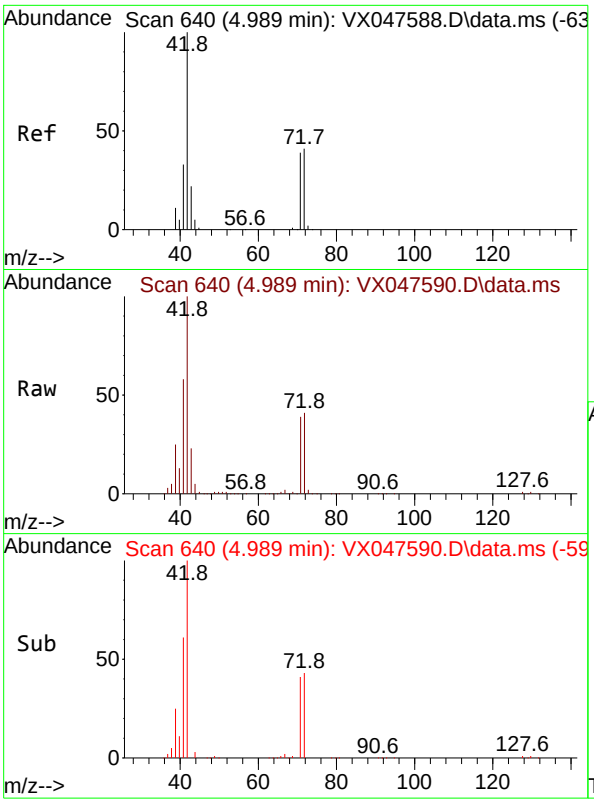


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8



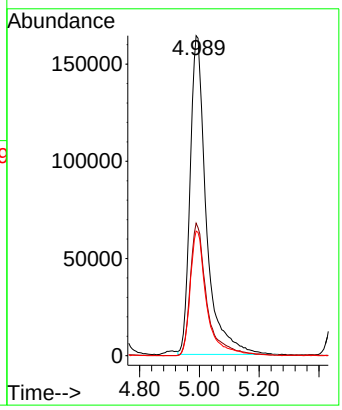


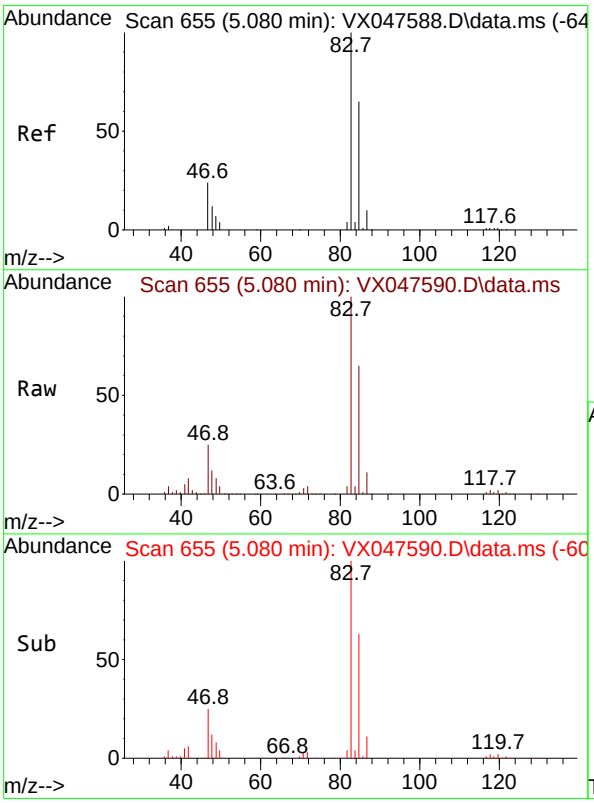
#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 616374

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9

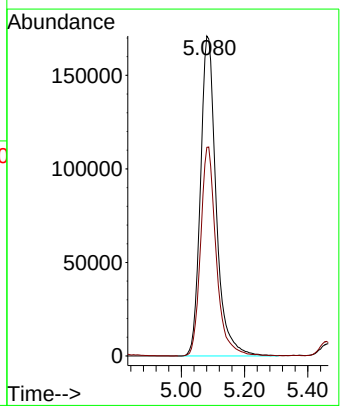


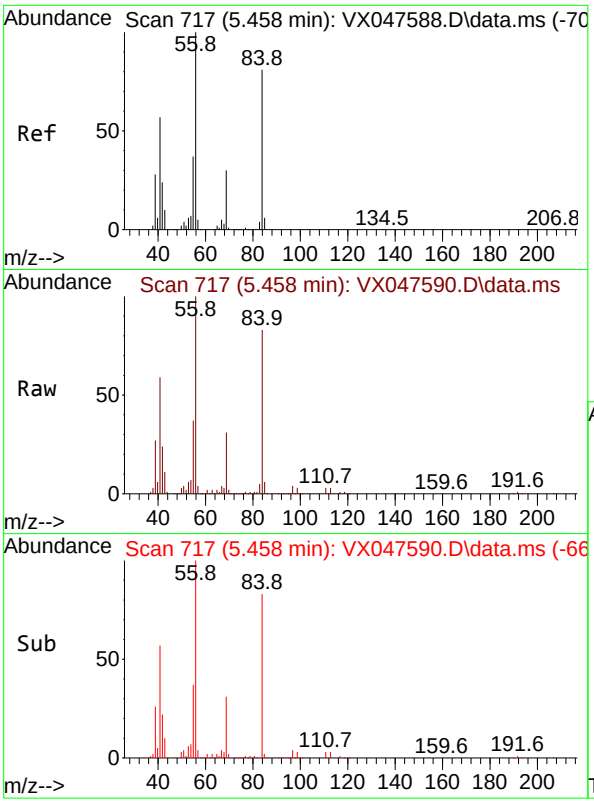


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



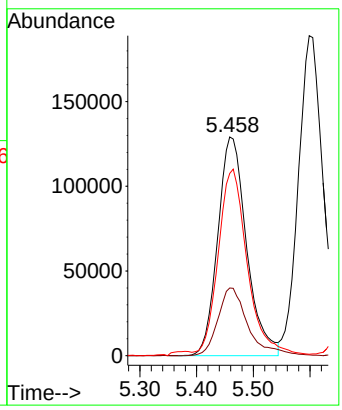


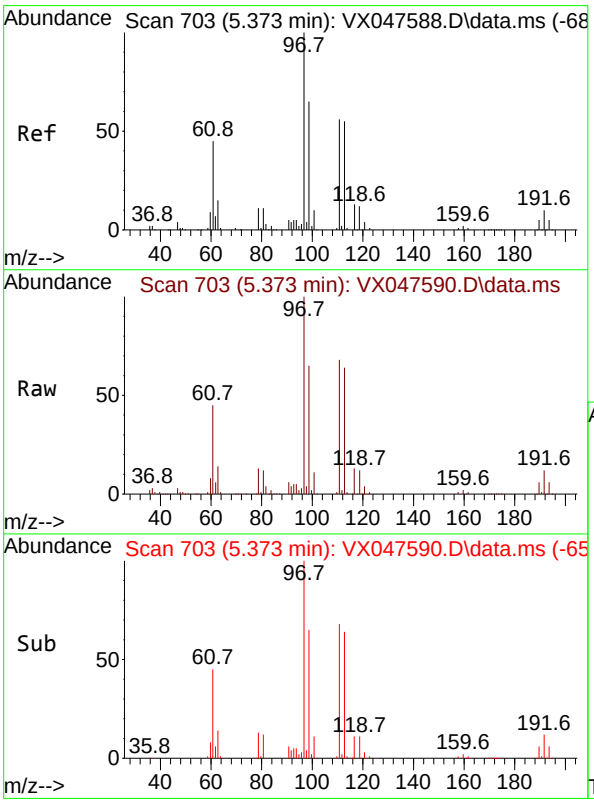
#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 456119

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0

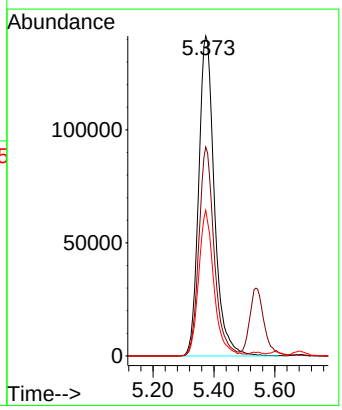


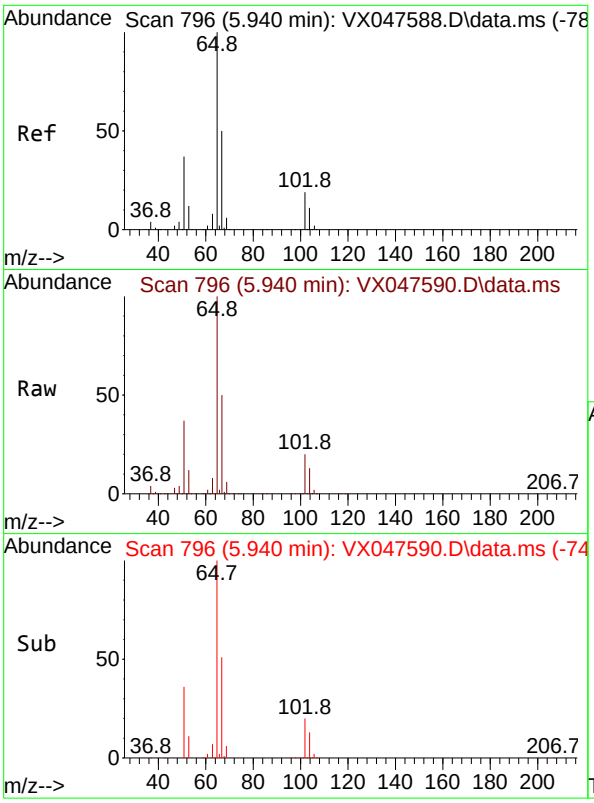


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8



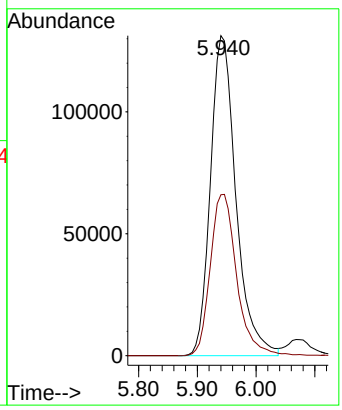


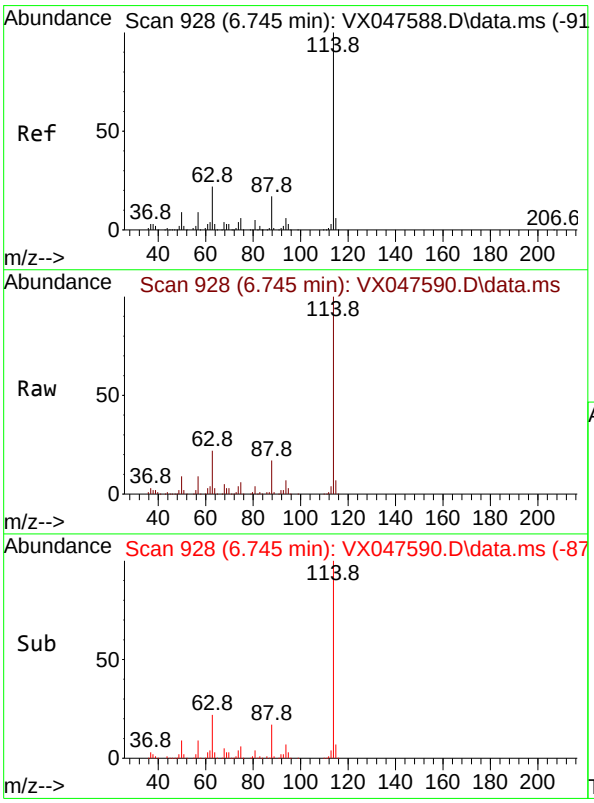
#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 396627

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

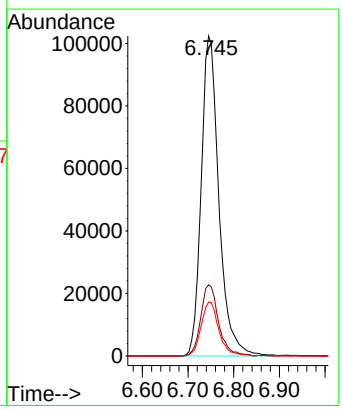


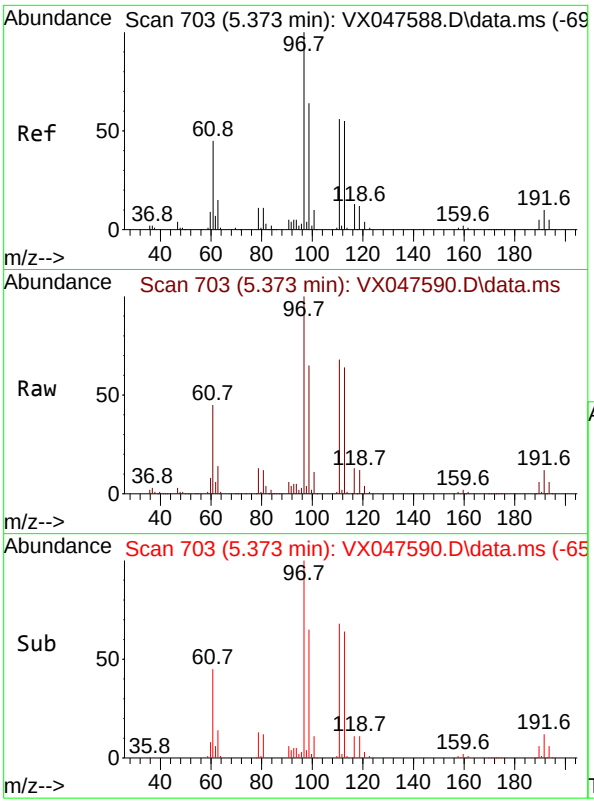


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



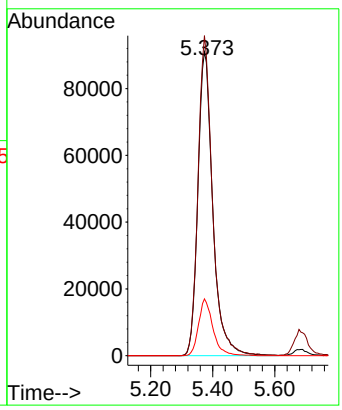


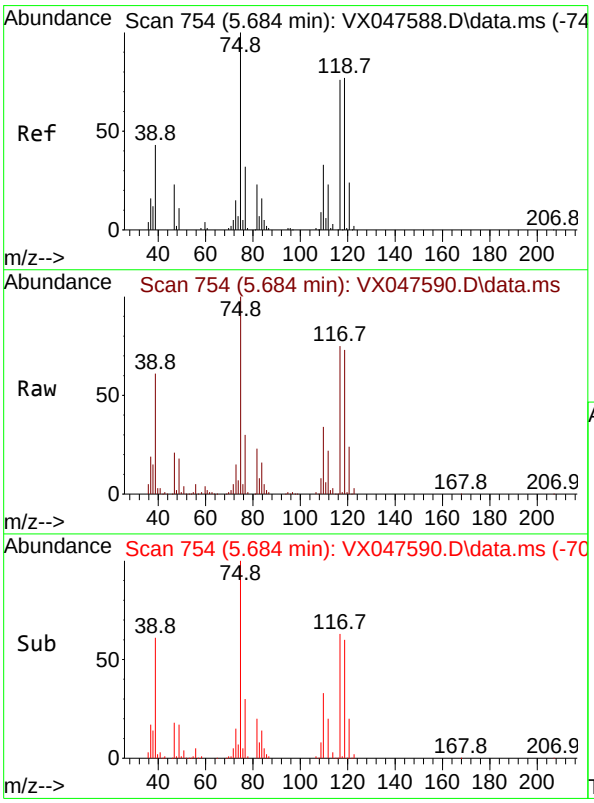
#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 303728

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4

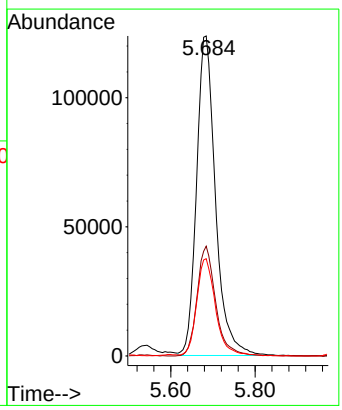


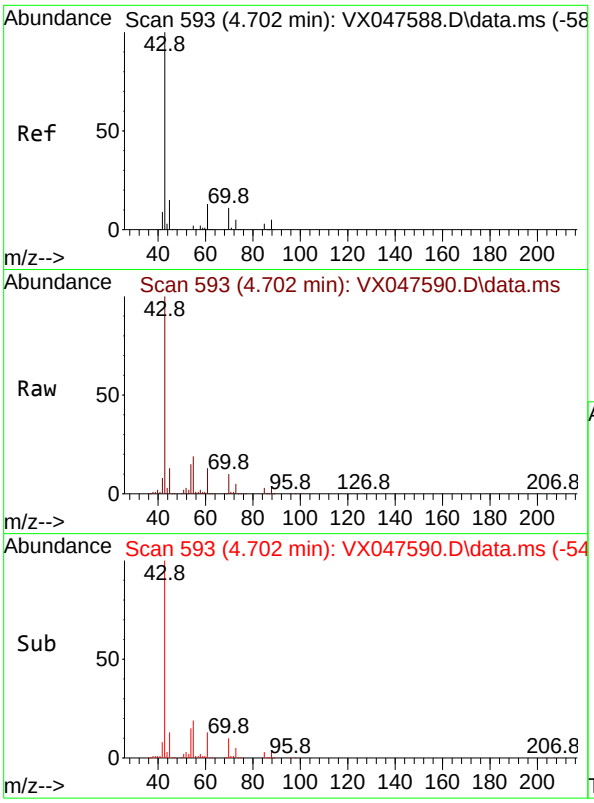


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5



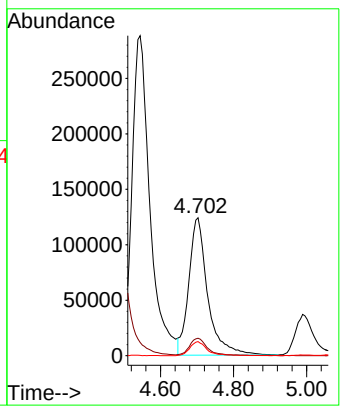


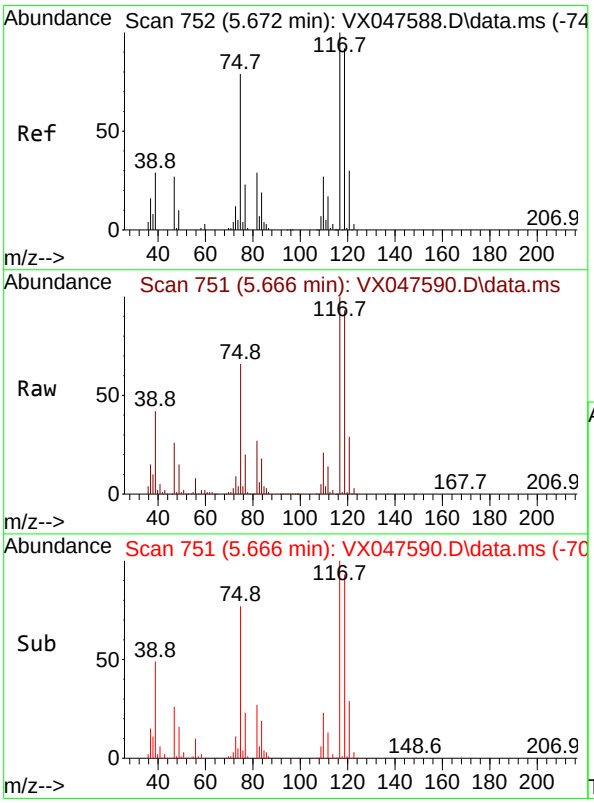
#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 444461

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

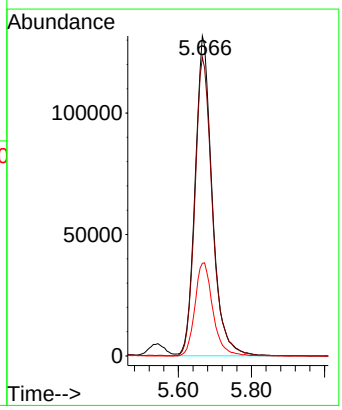


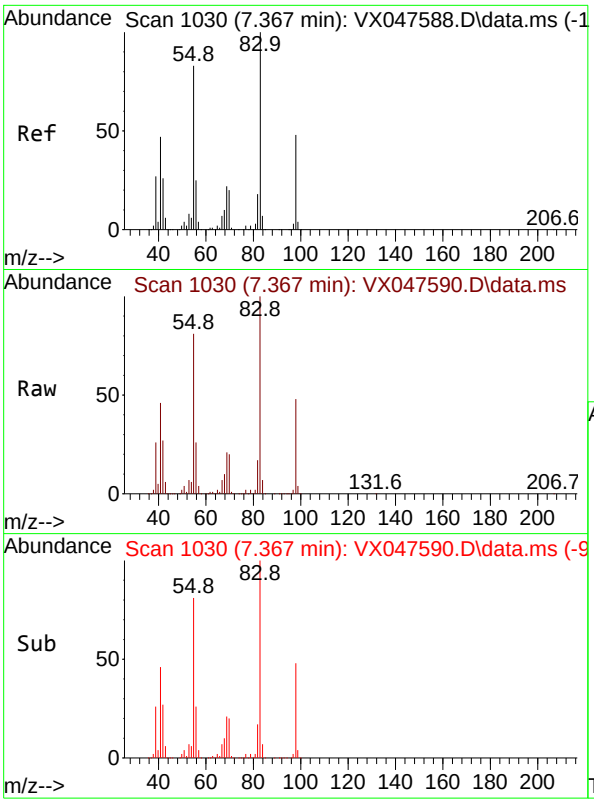


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6



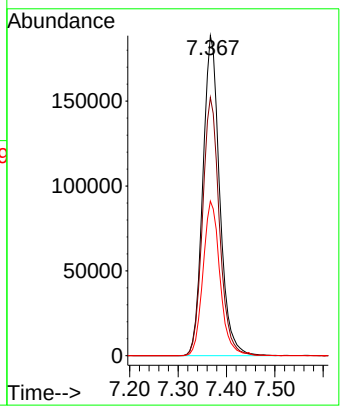


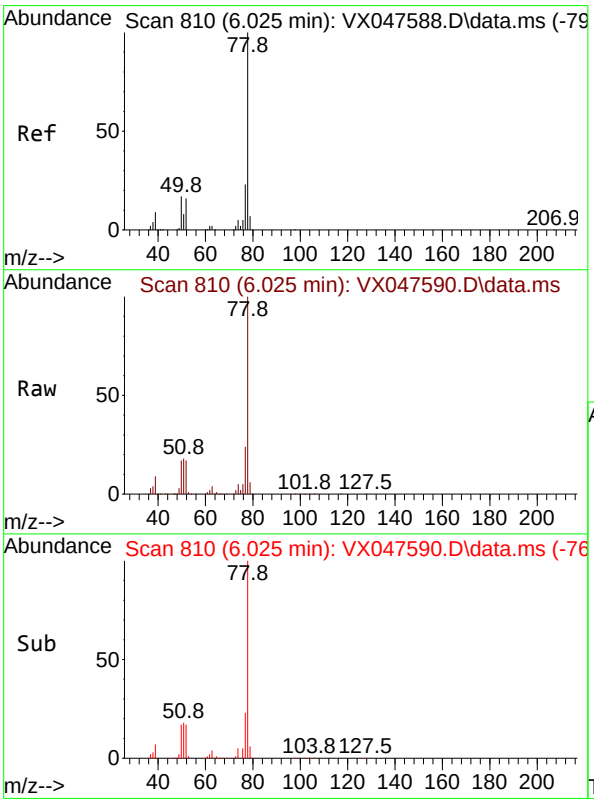
#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 456694

Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

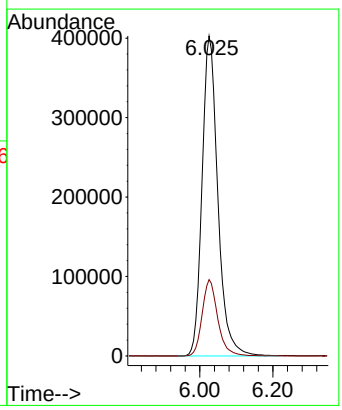


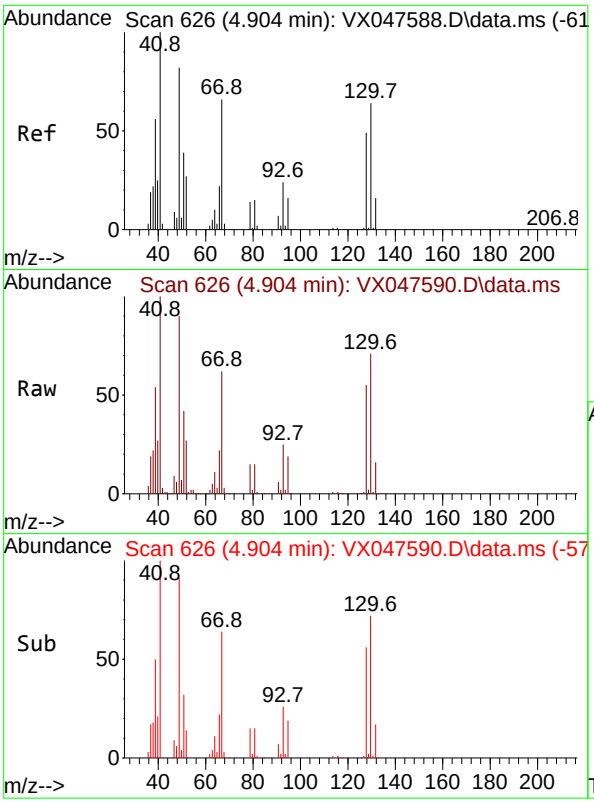


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



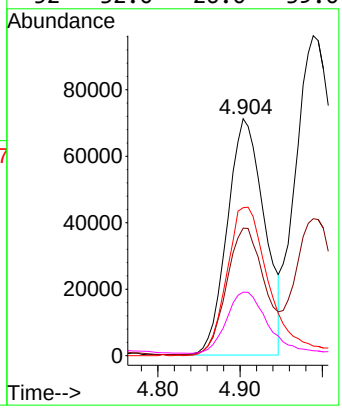


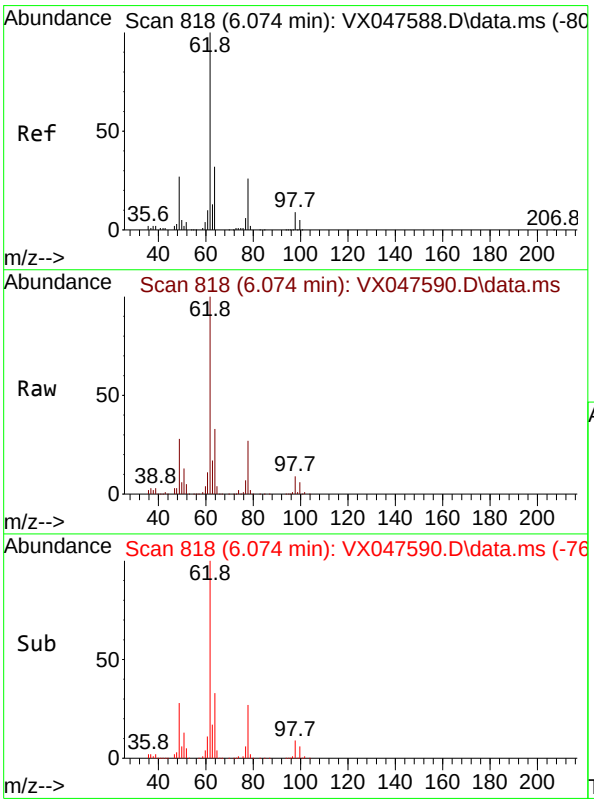
#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 223218

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0

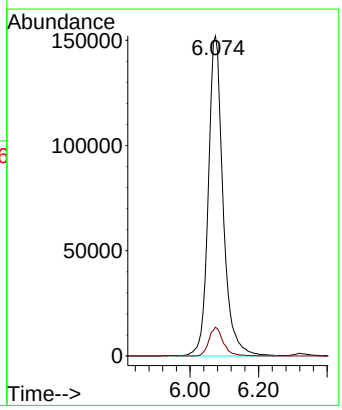


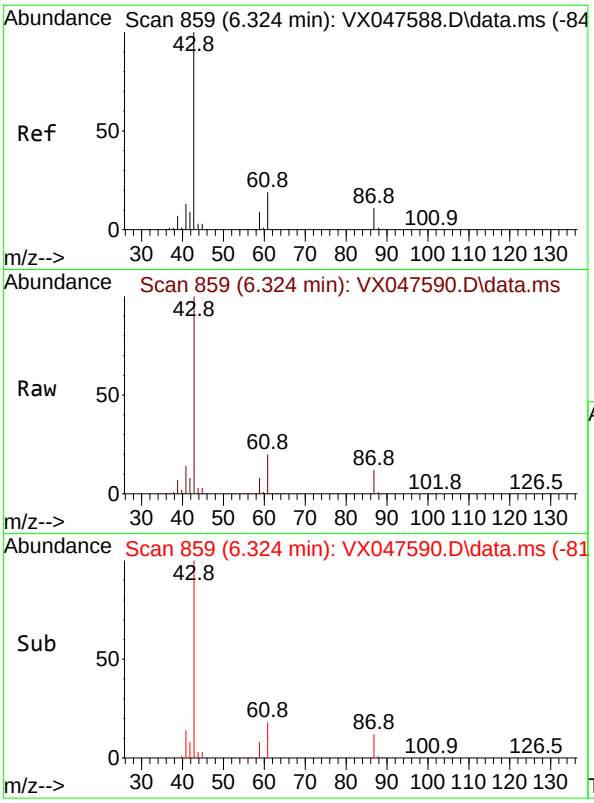


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



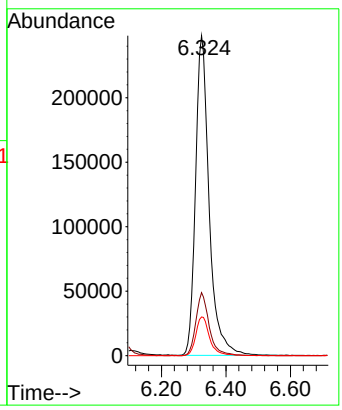


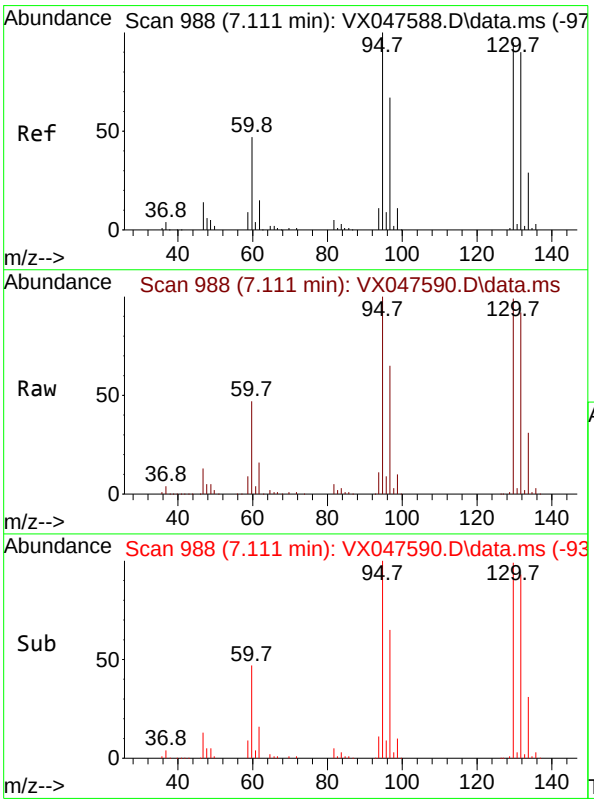
#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 724888

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4

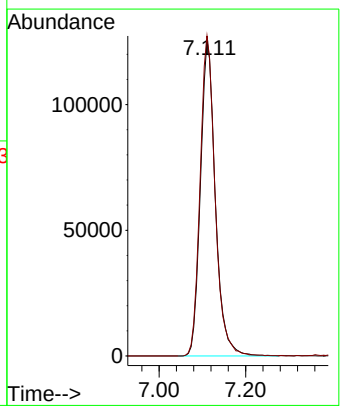


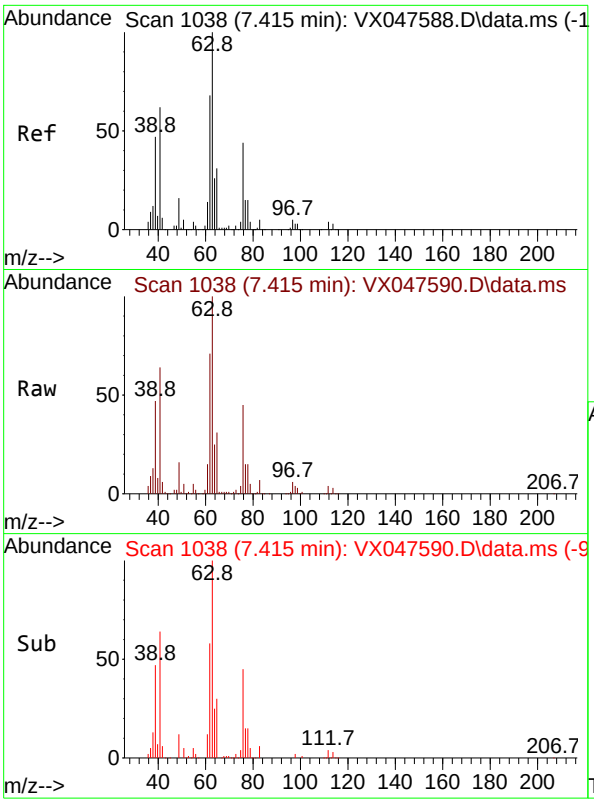


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8



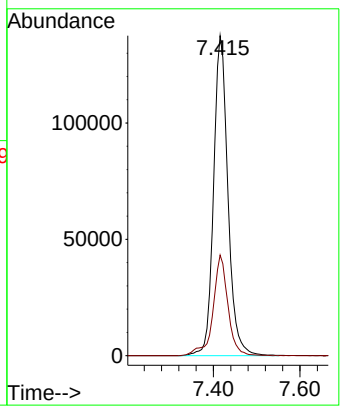


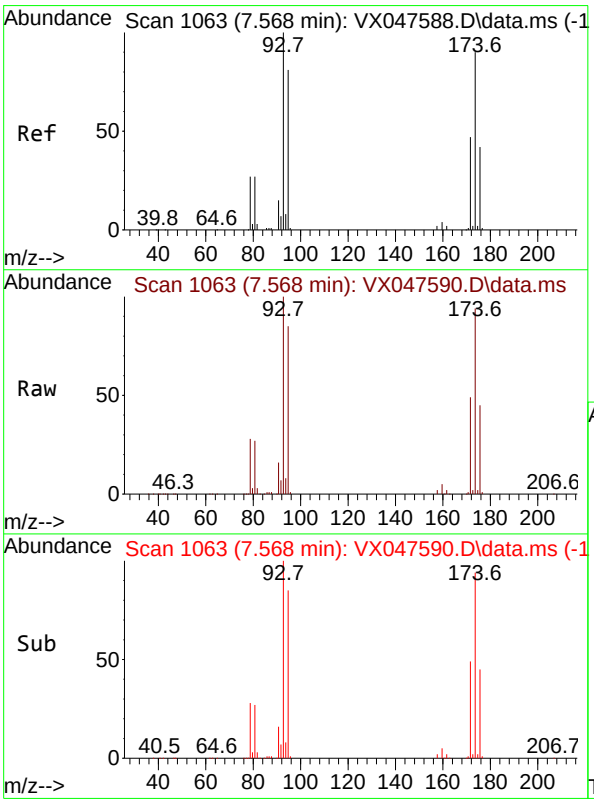
#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 316720

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

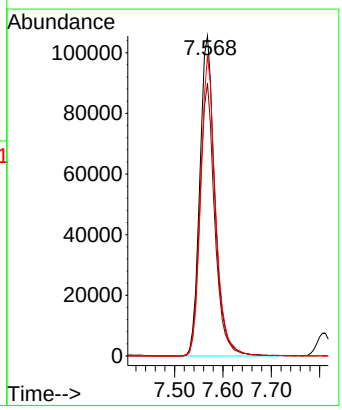


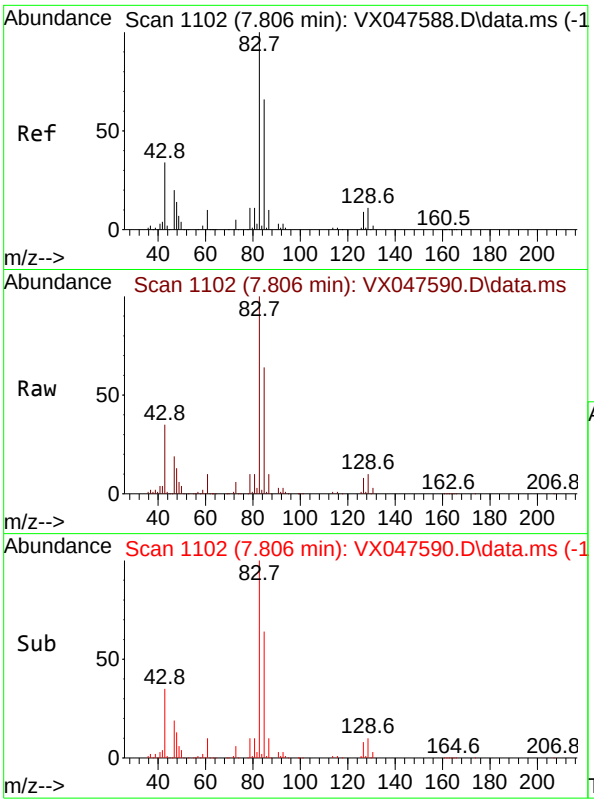


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4



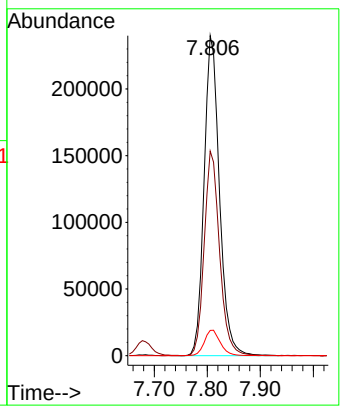


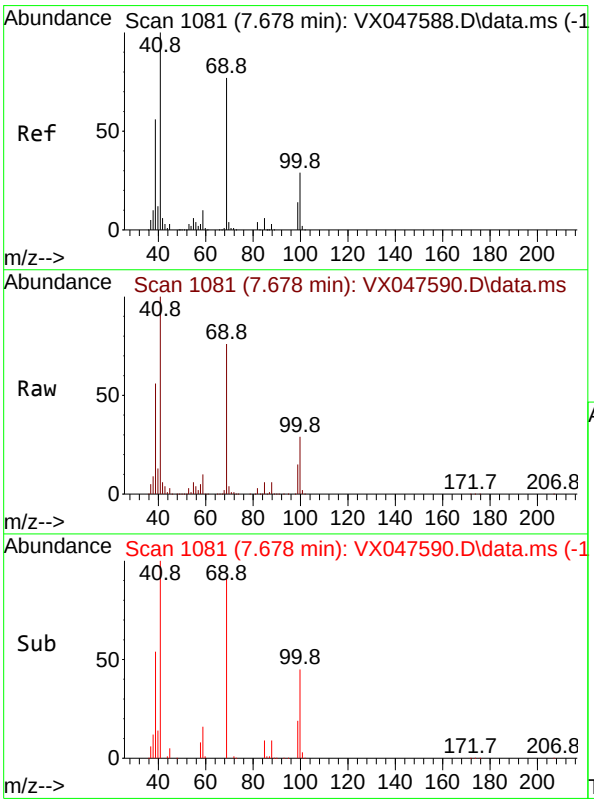
#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 483438

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3

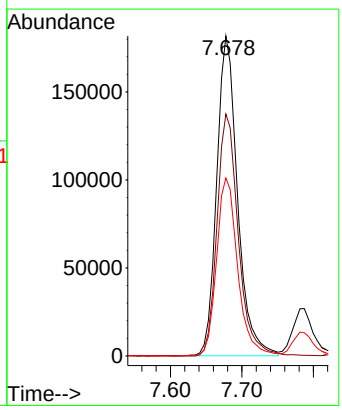


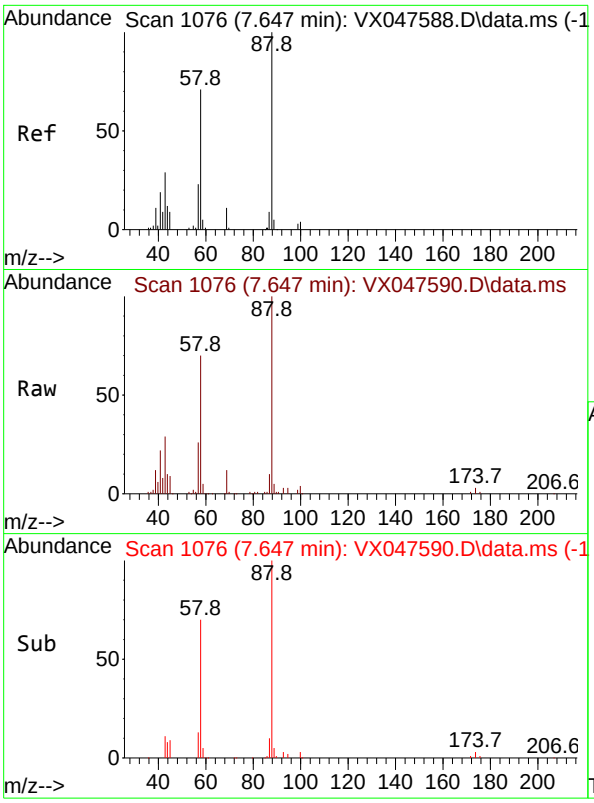


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6



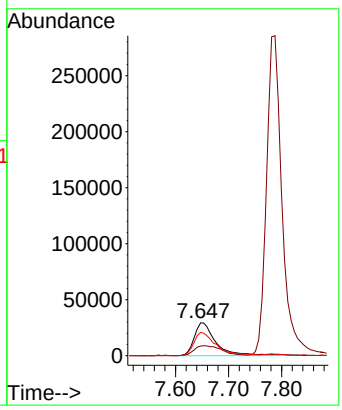


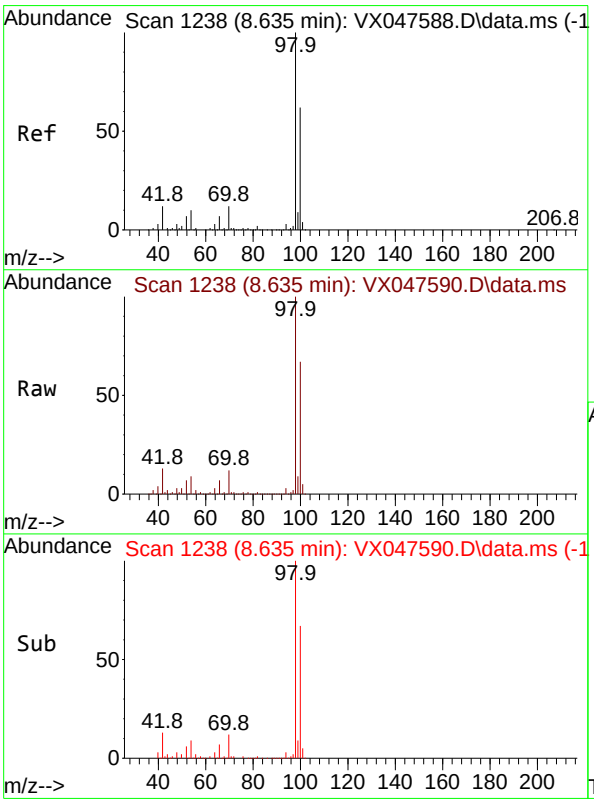
#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 82739

Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3

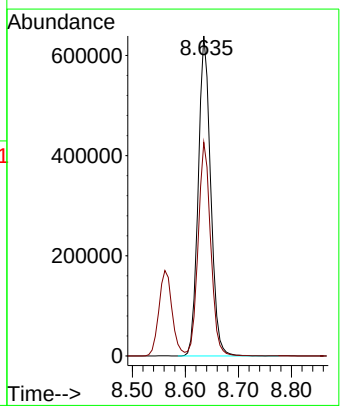


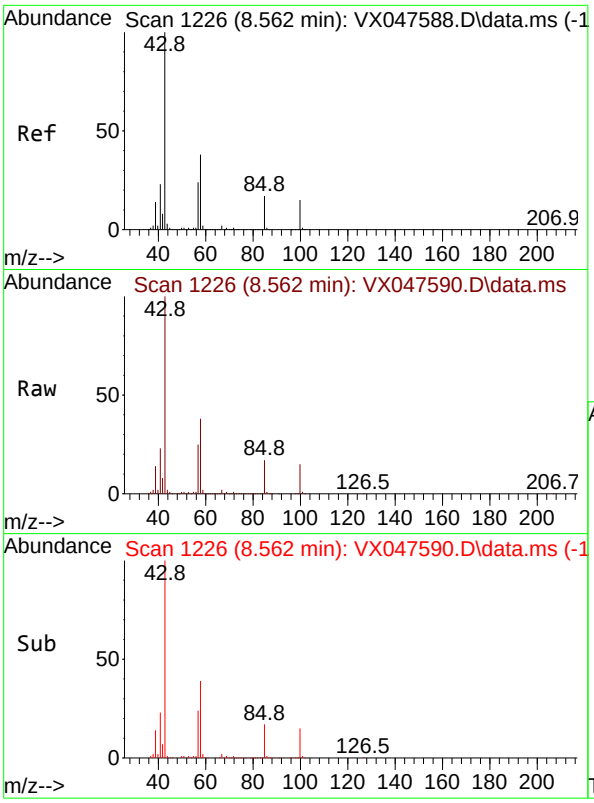


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



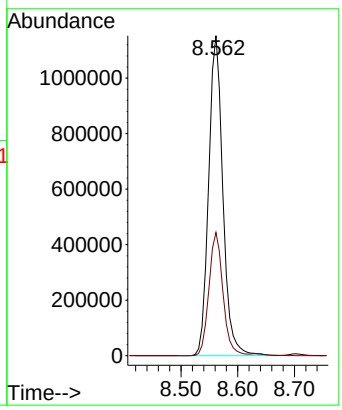


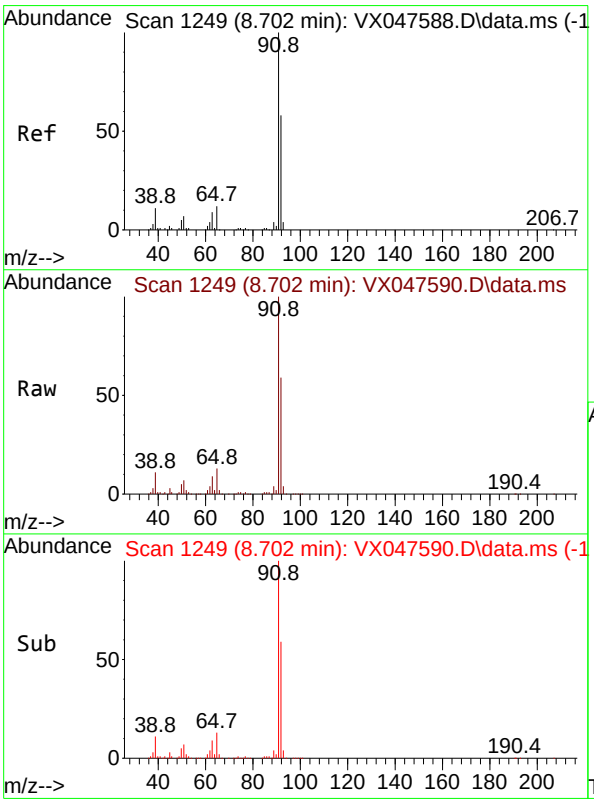
#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2008063

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

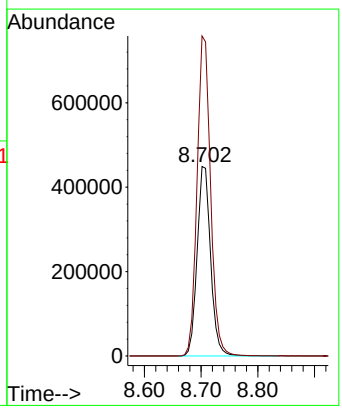


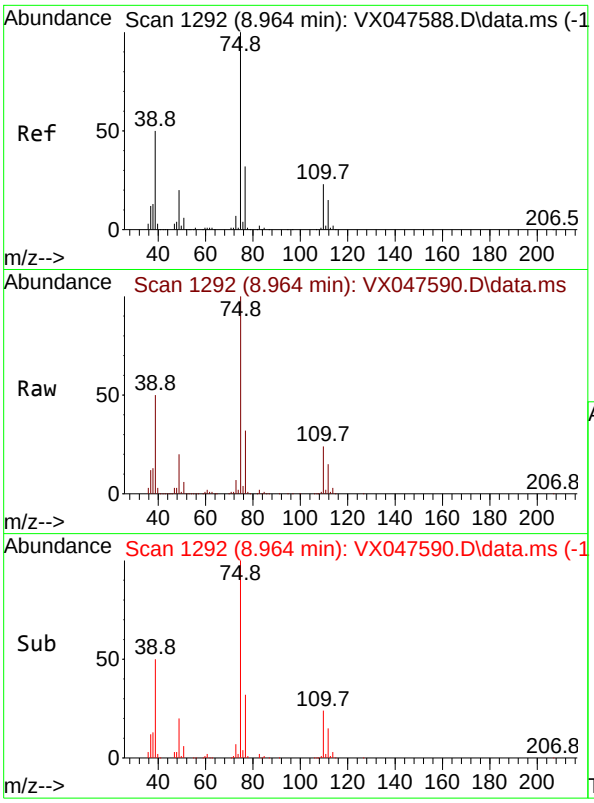


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



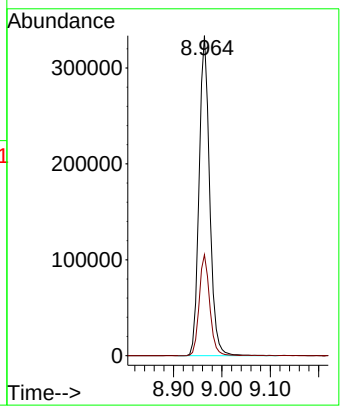


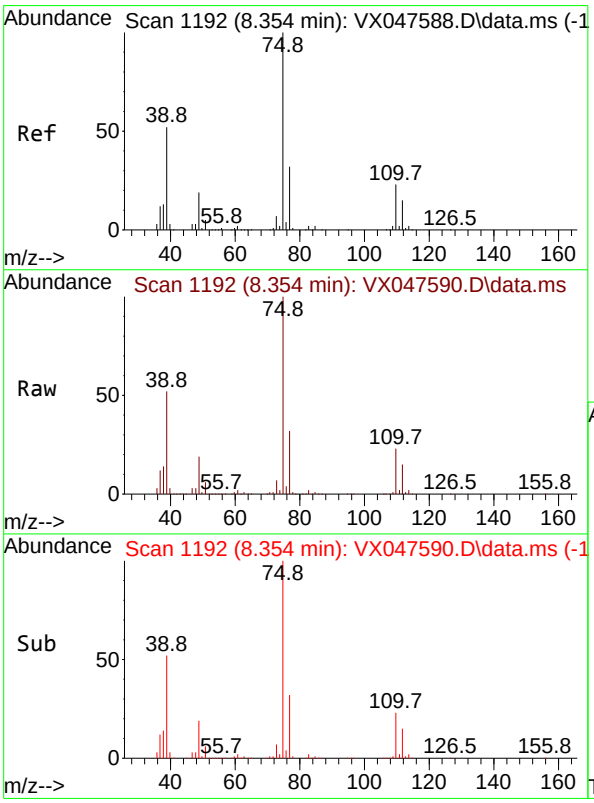
#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 503912

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

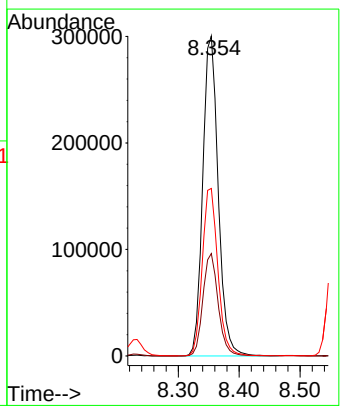


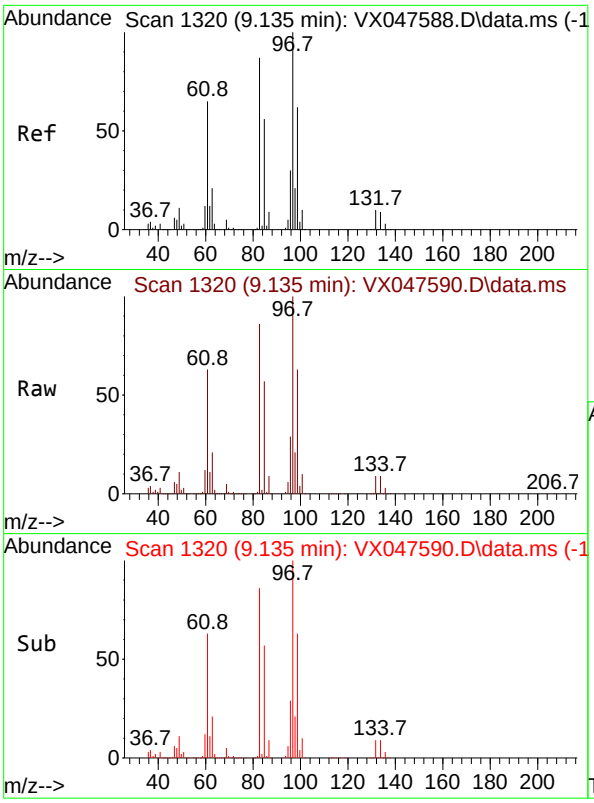


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2



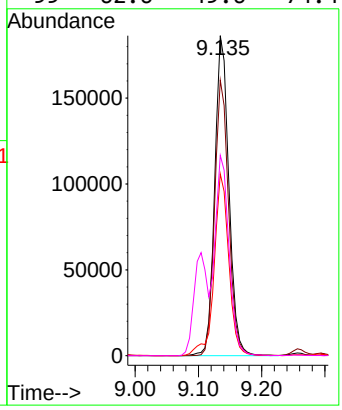


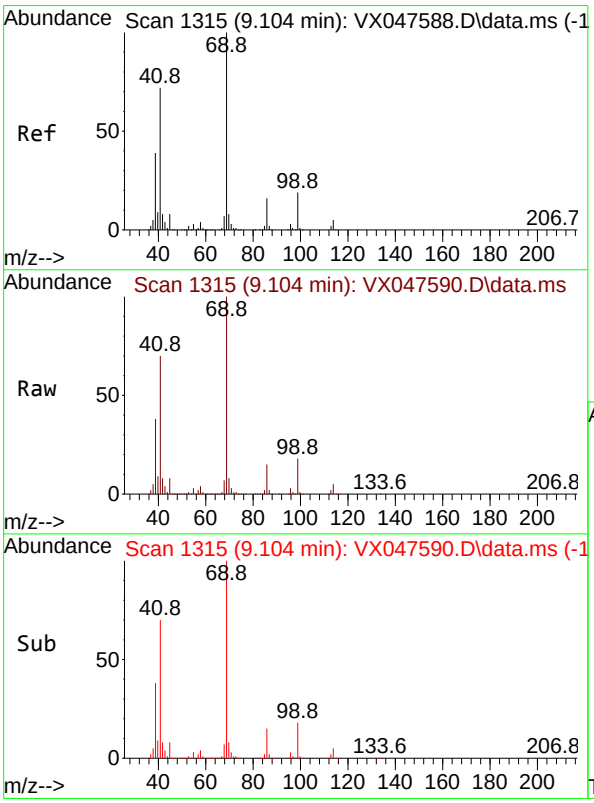
#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 289103

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4

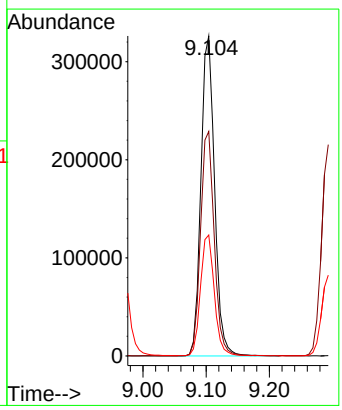


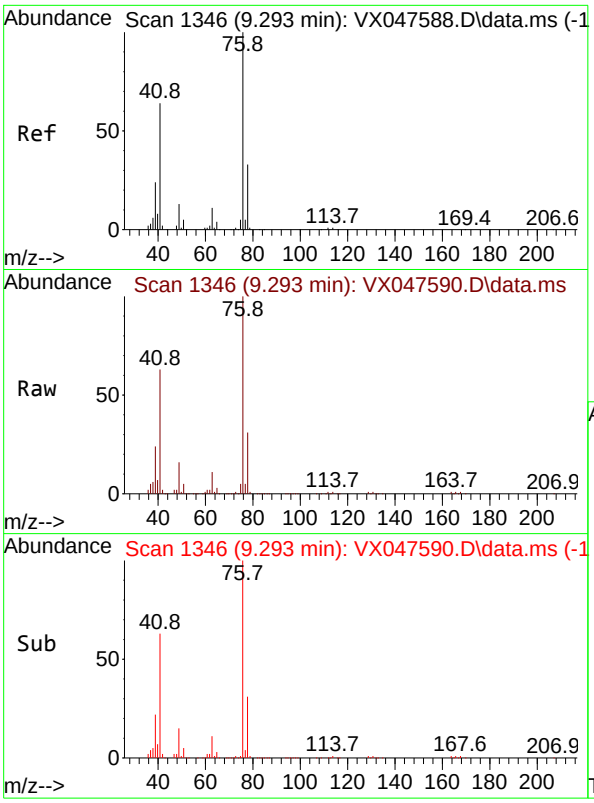


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3



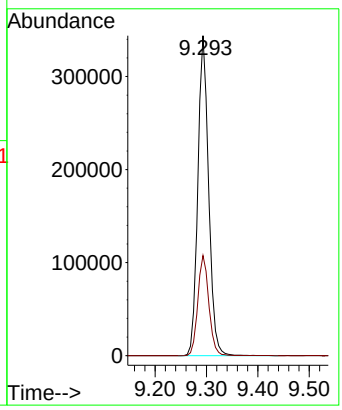


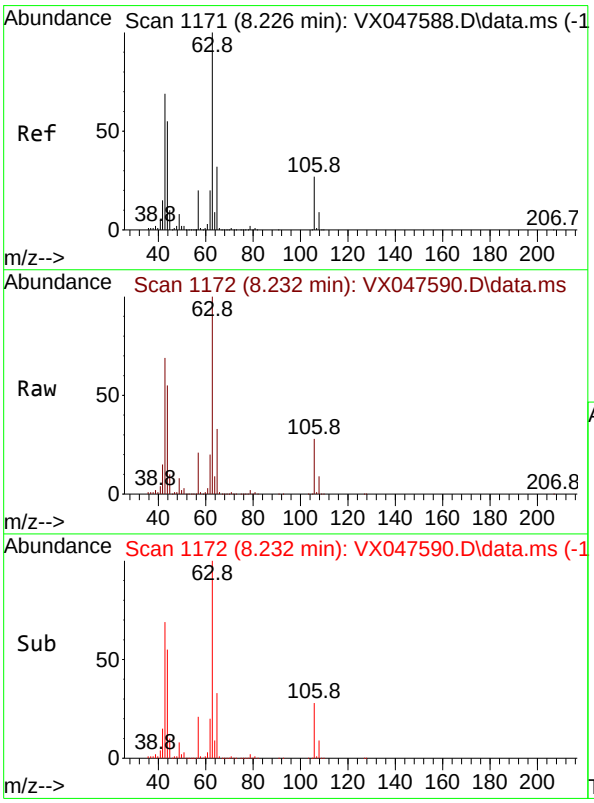
#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 502121

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

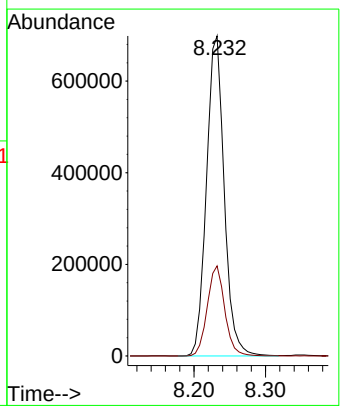


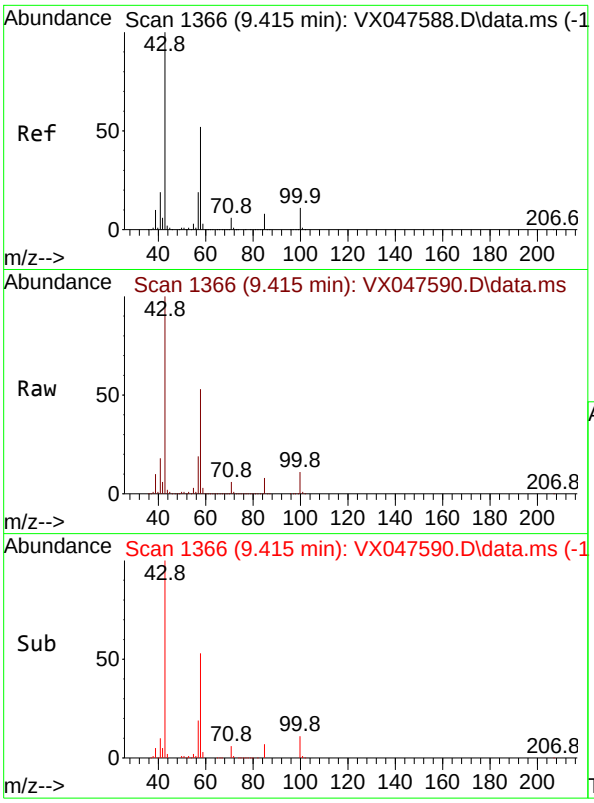


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



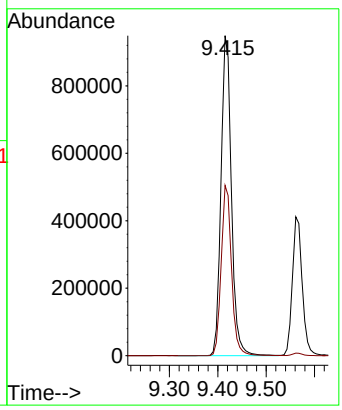


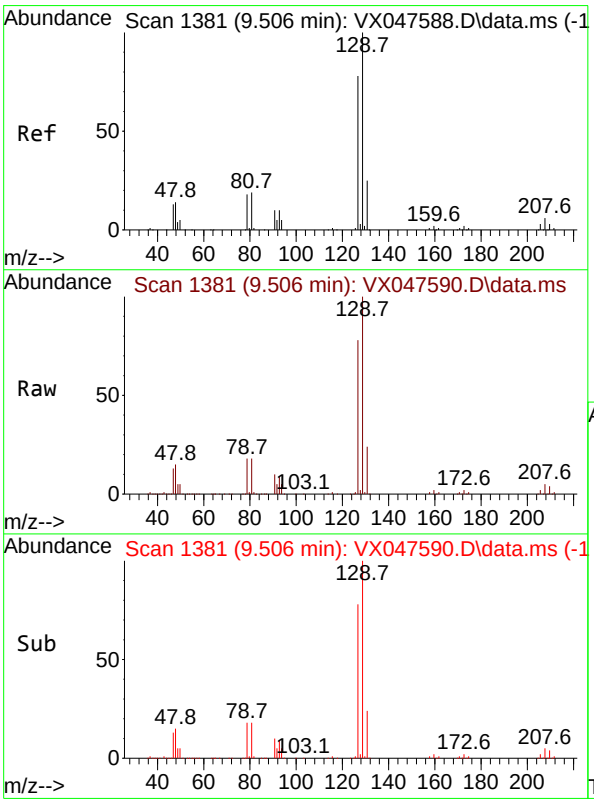
#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1412417

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

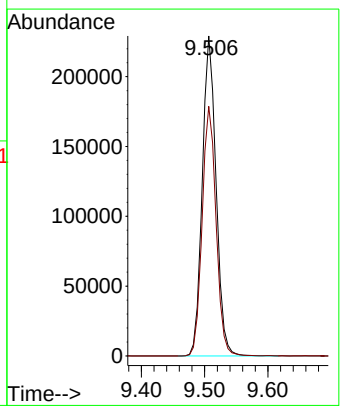


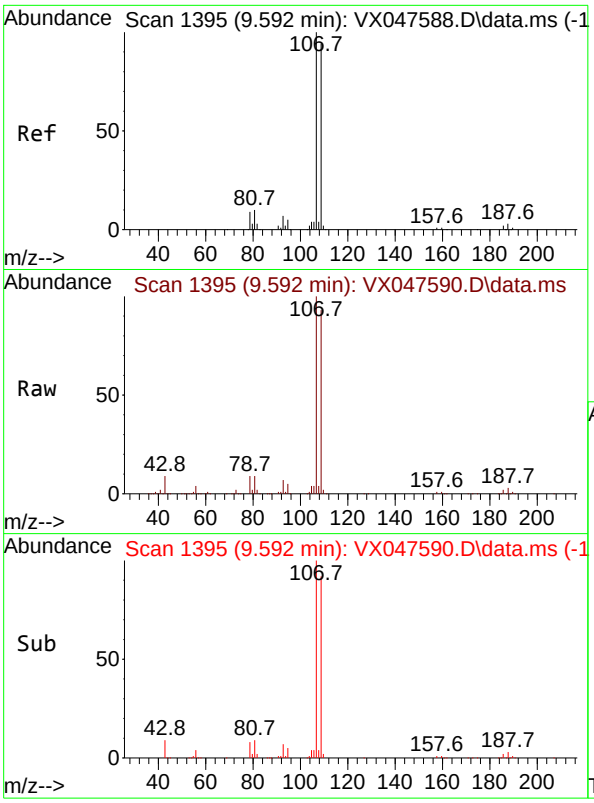


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



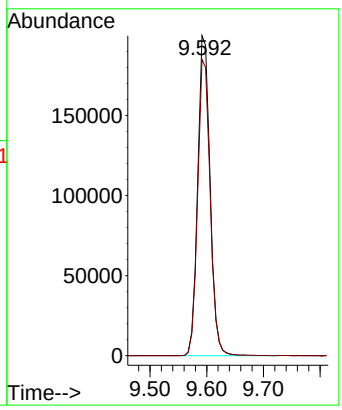


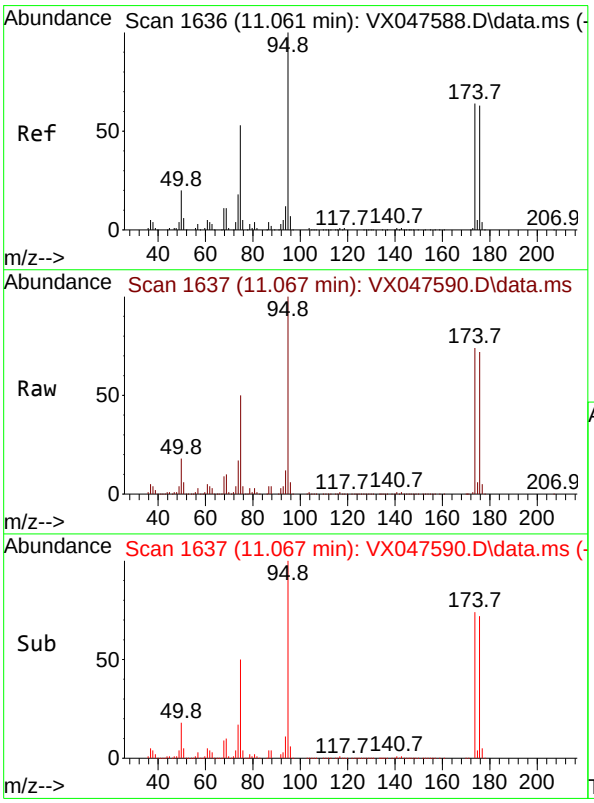
#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 302715

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

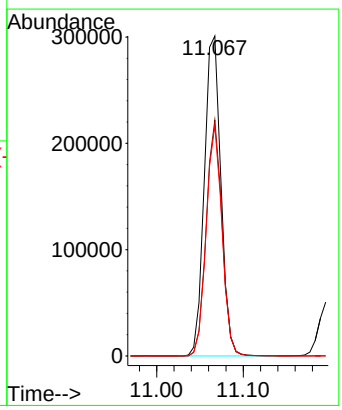


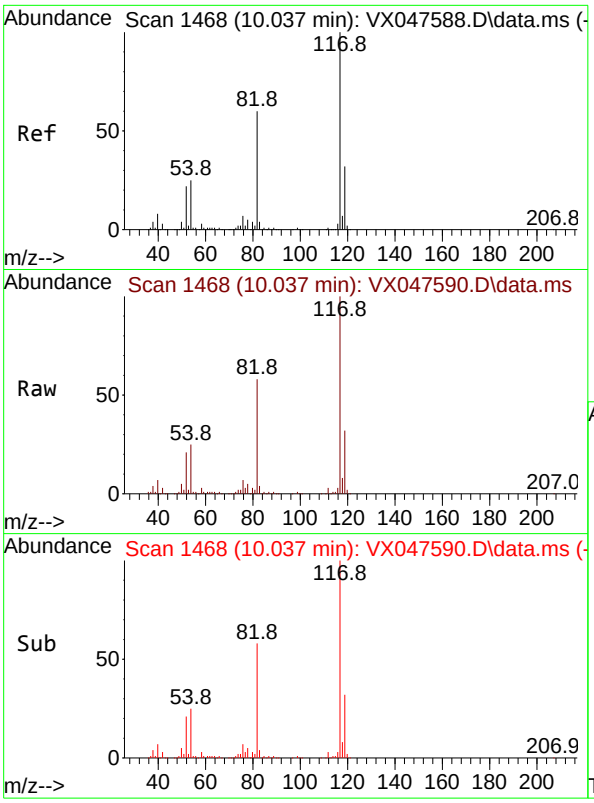


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4



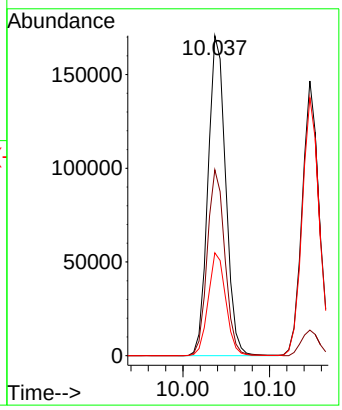


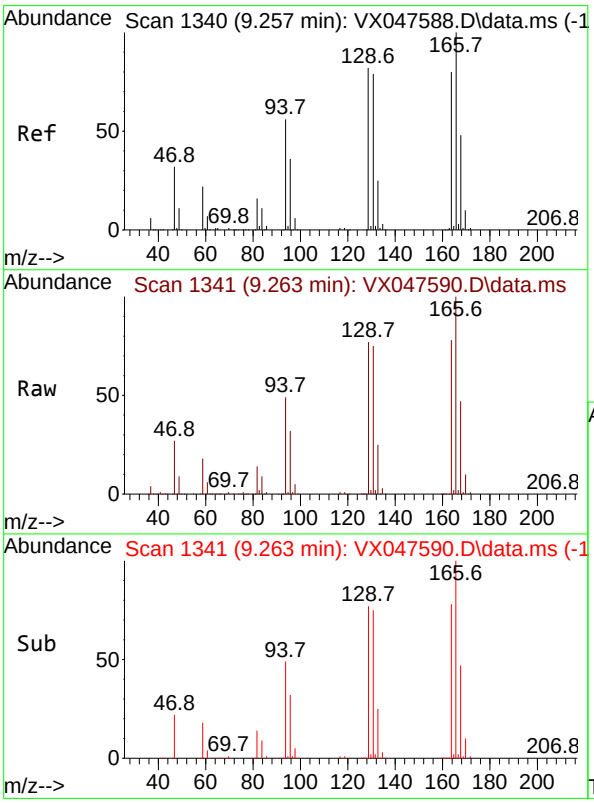
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 241818

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

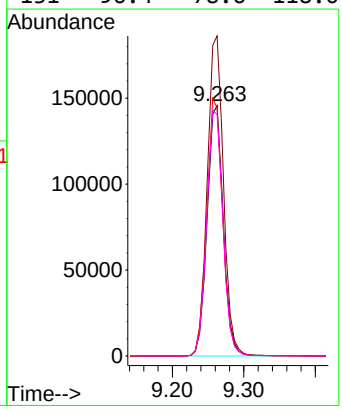


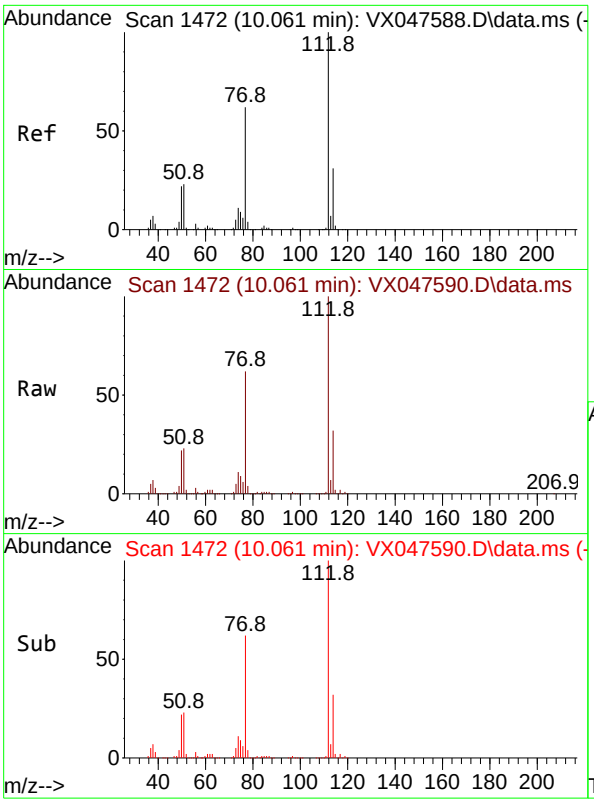


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0



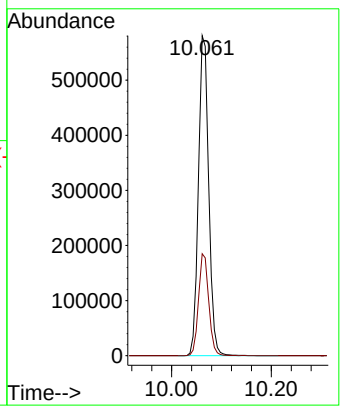


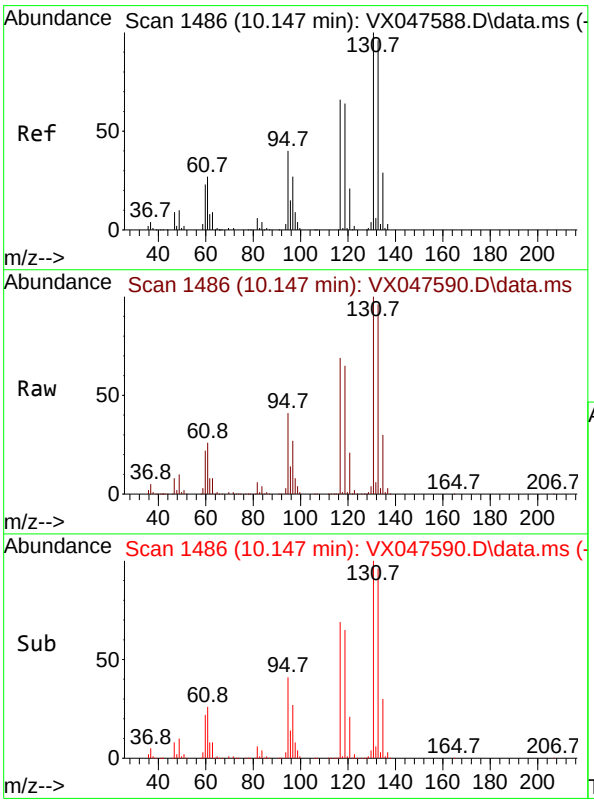
#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 828239

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

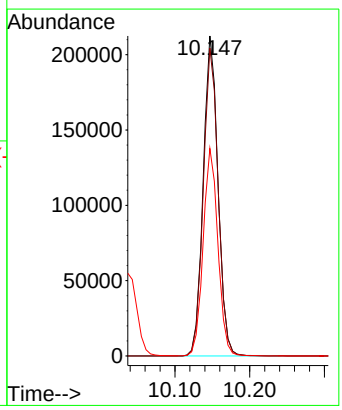


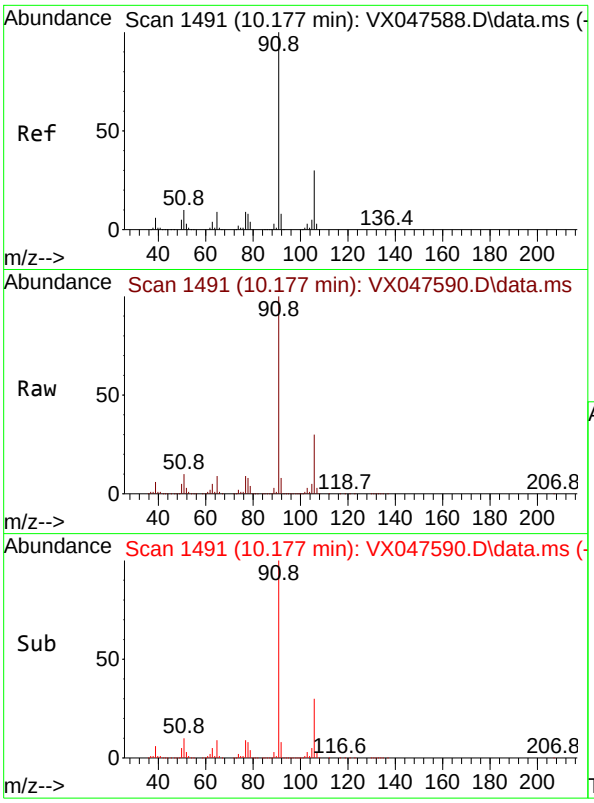


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0



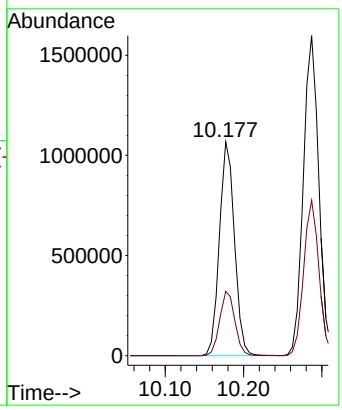


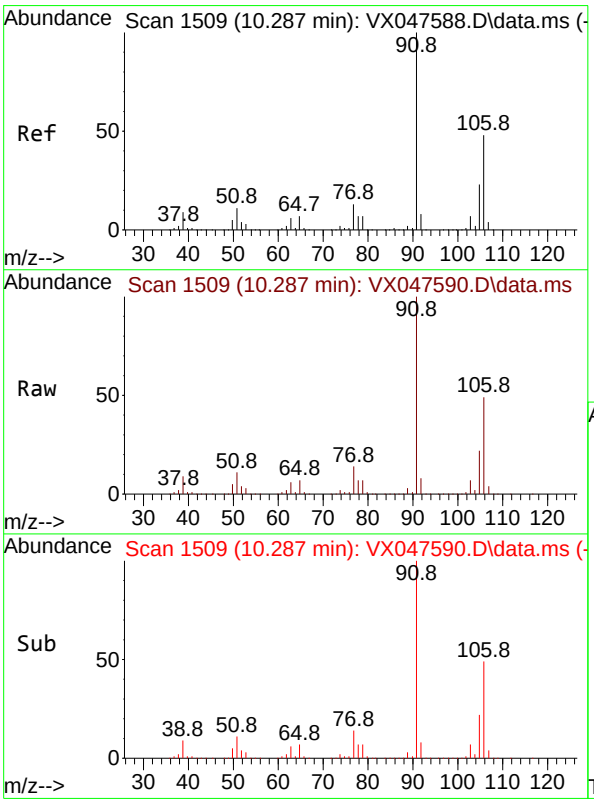
#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

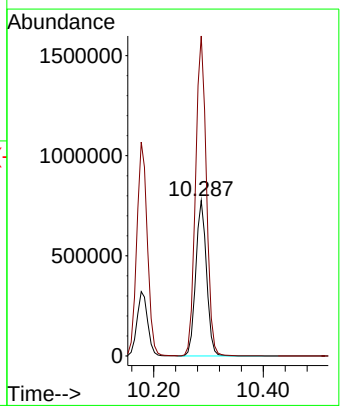


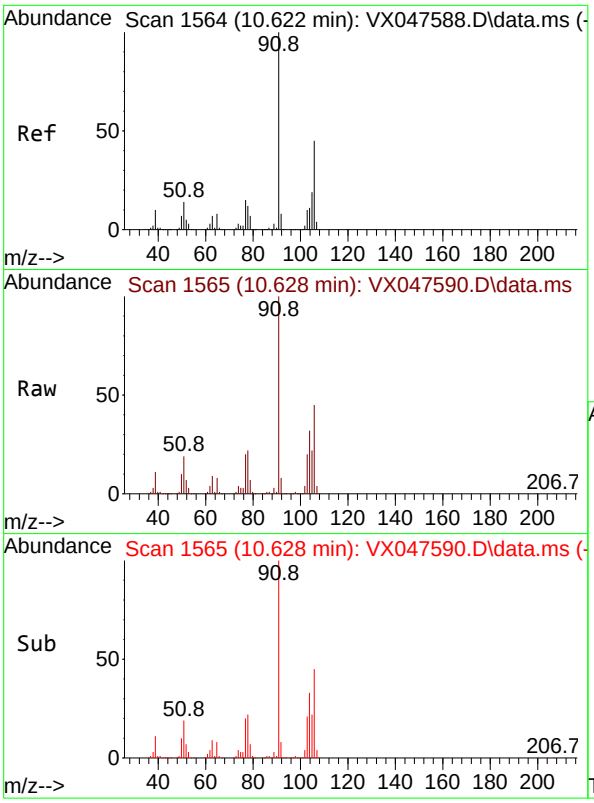


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8



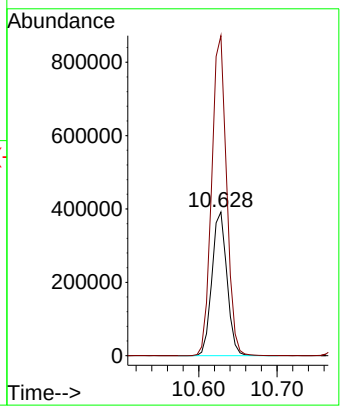


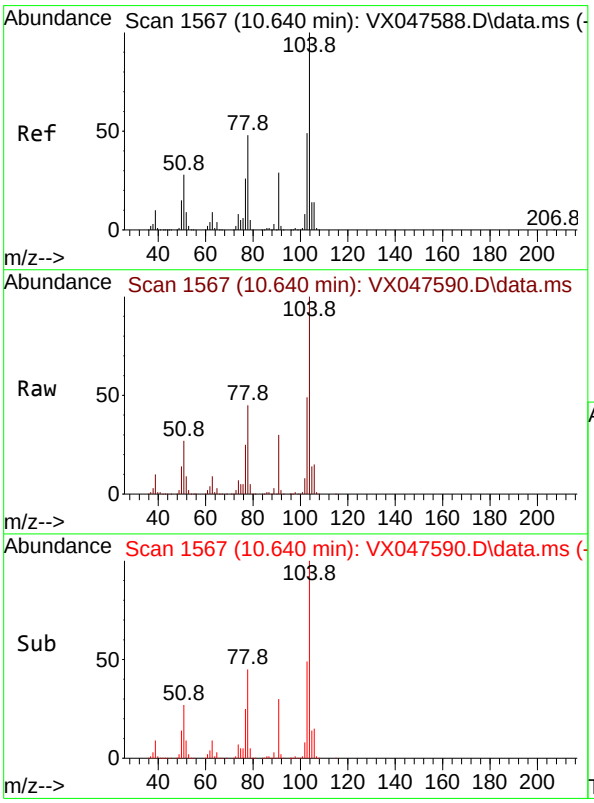
#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 521840

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

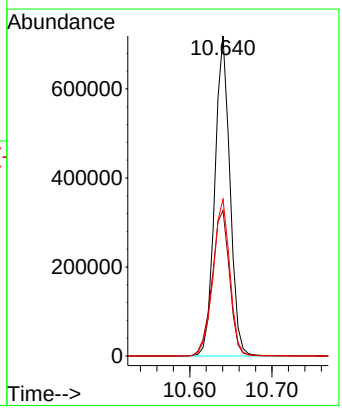


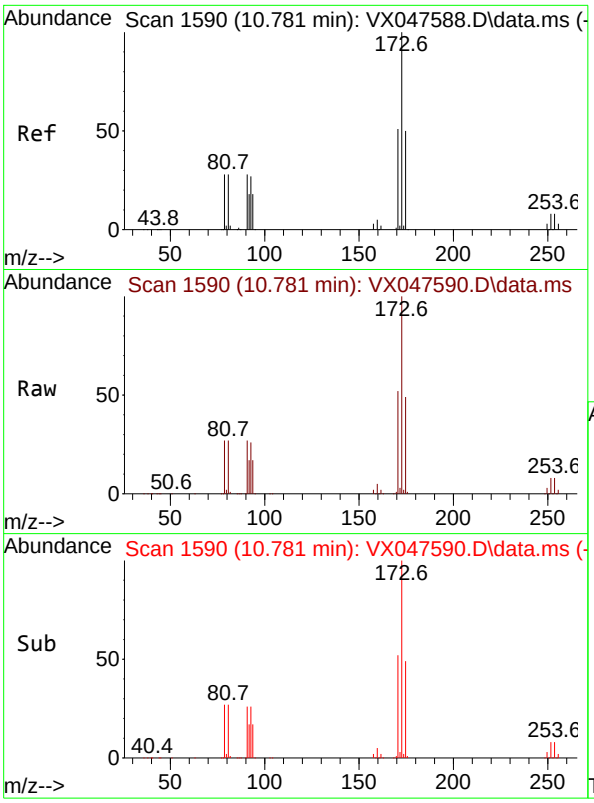


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7



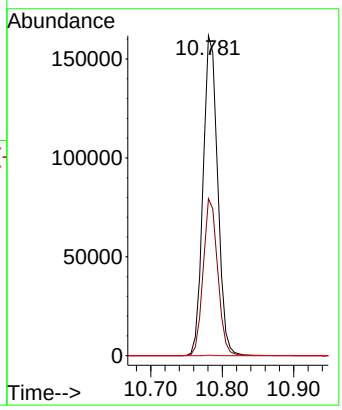


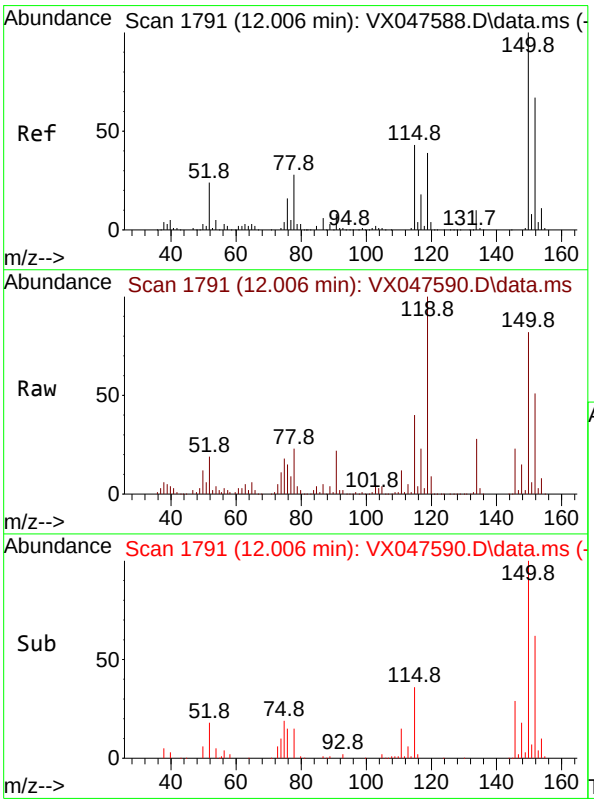
#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 229683

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1

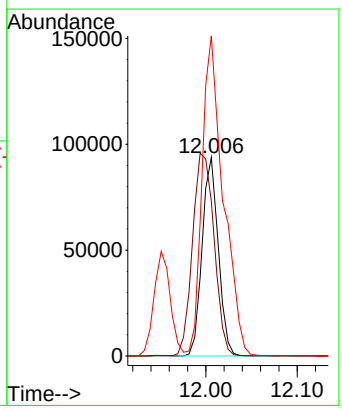


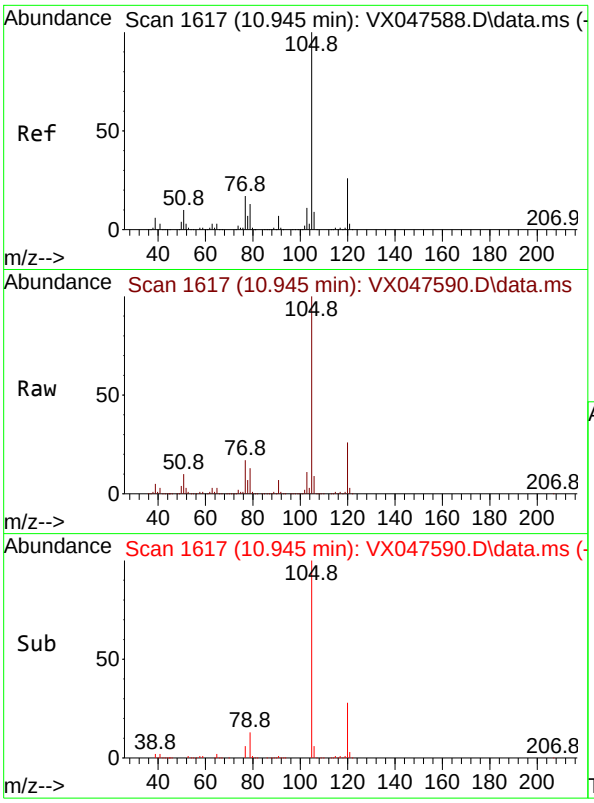


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0



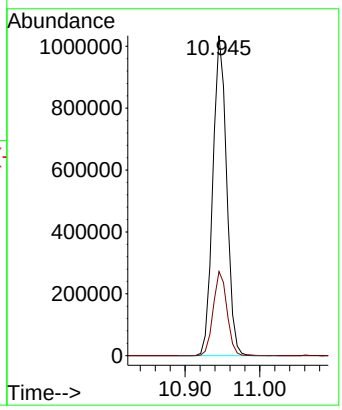


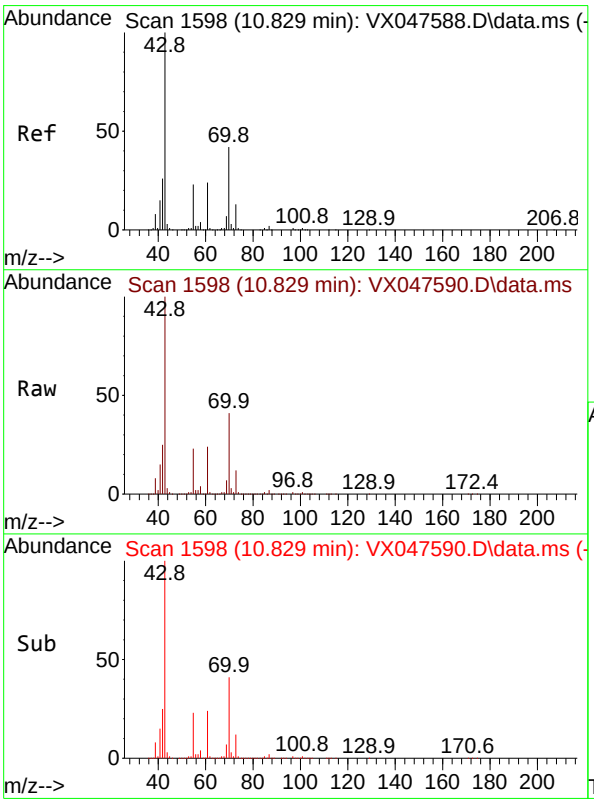
#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1321409

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

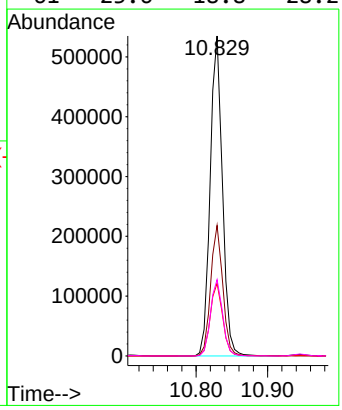


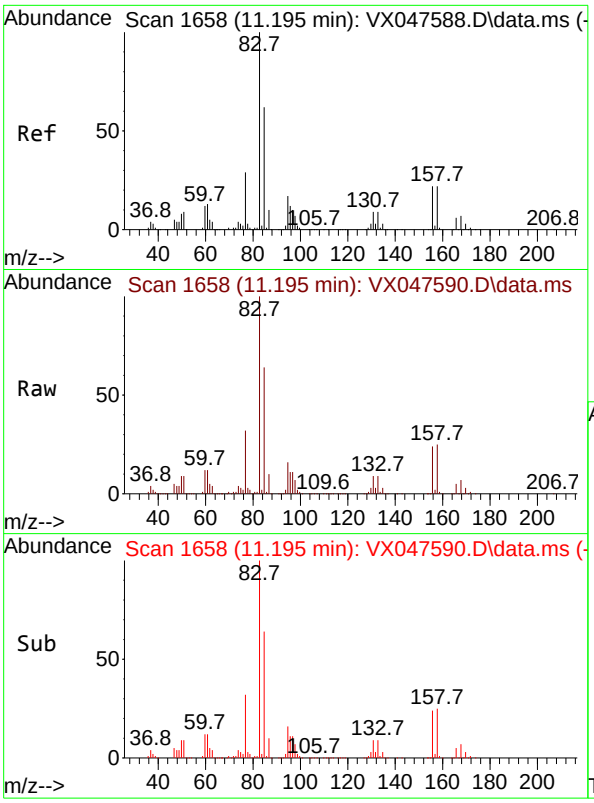


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2



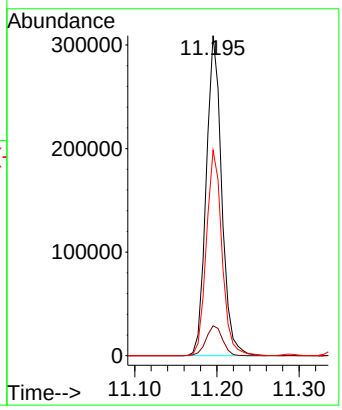


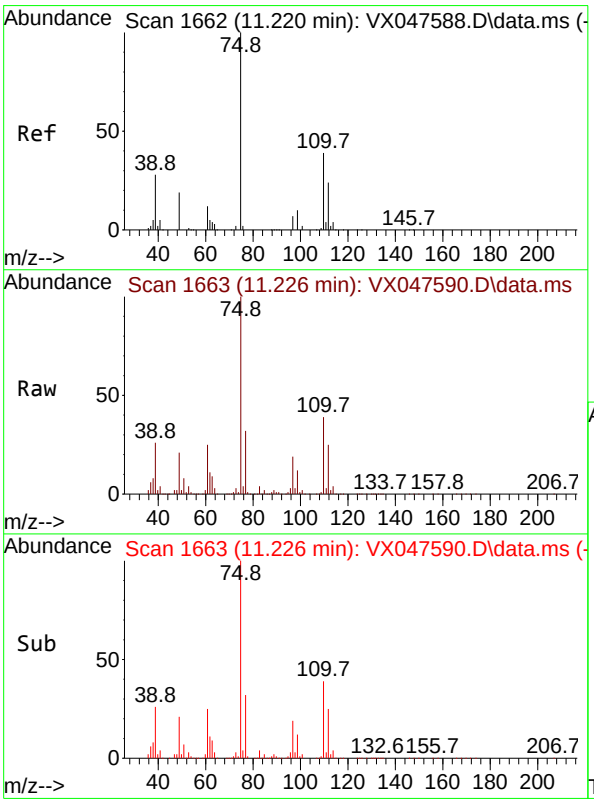
#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403906

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0

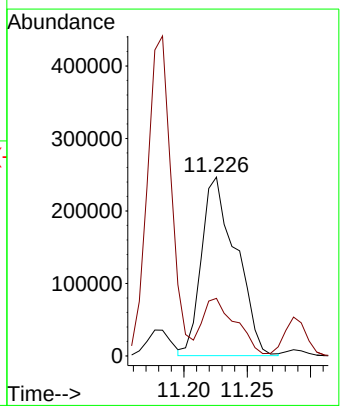


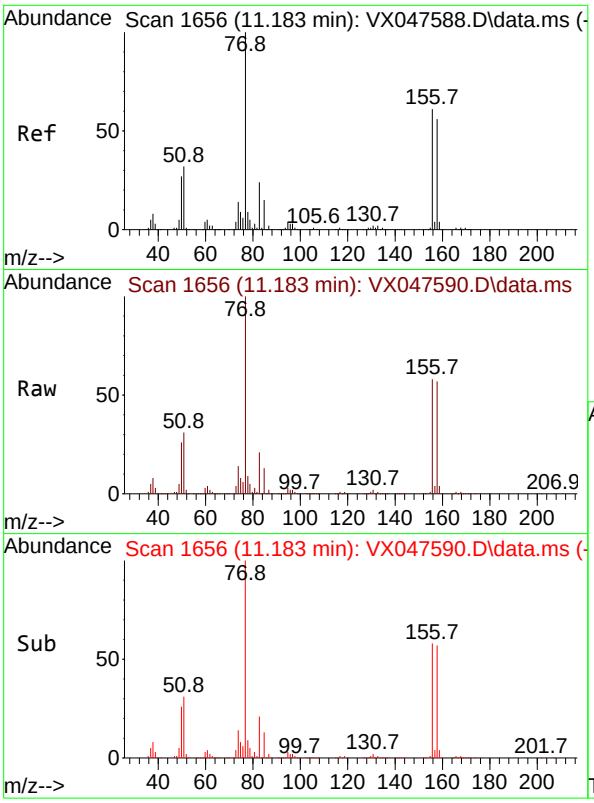


#76
1,2,3-Trichloropropane
Concen: 202.576 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



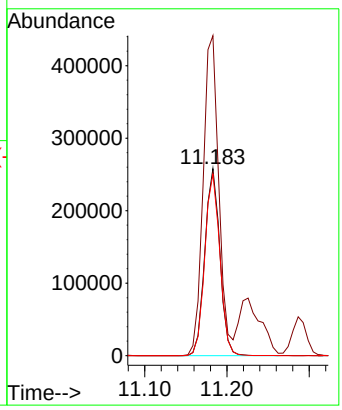


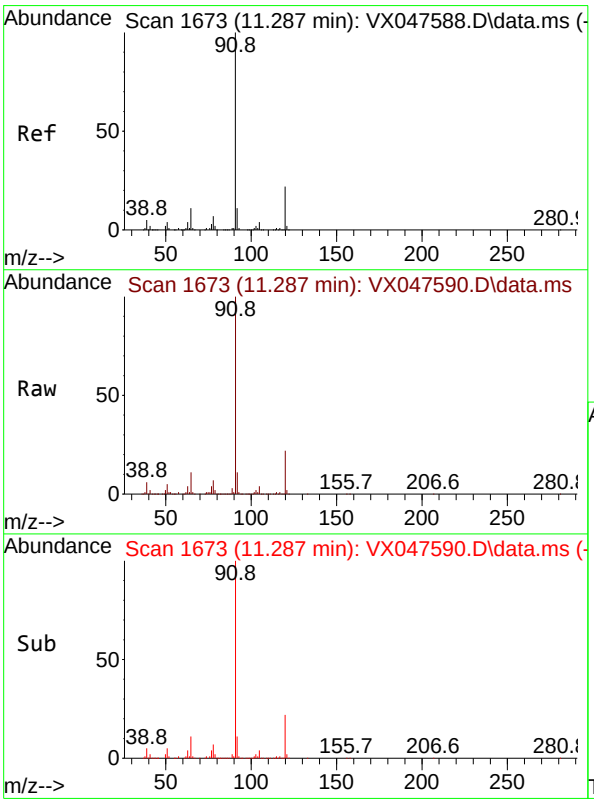
#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 328336

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6

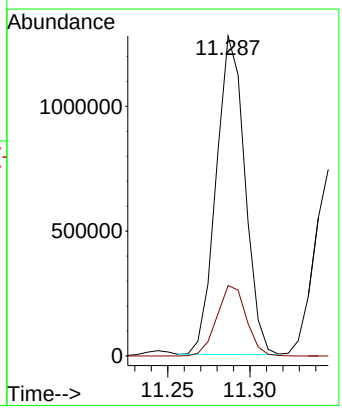


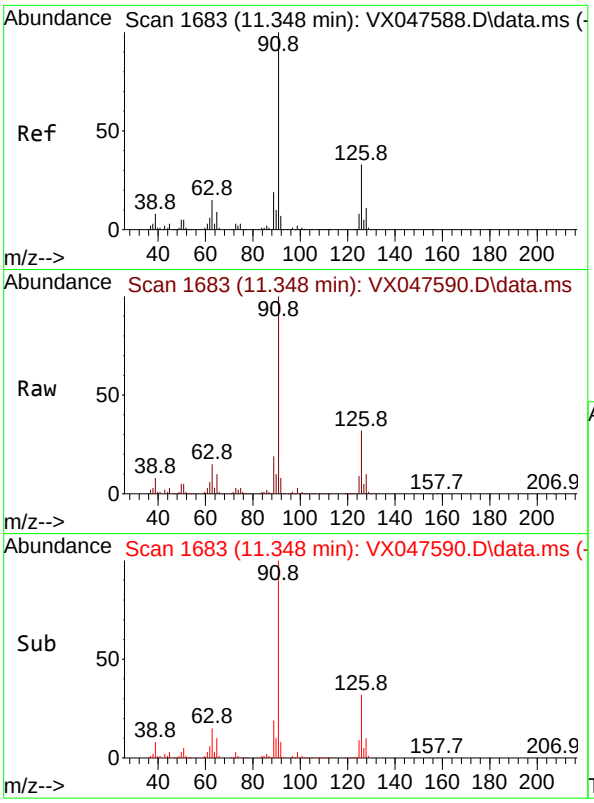


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



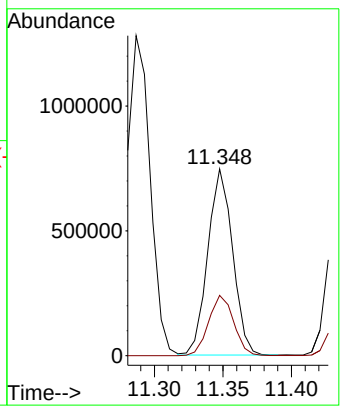


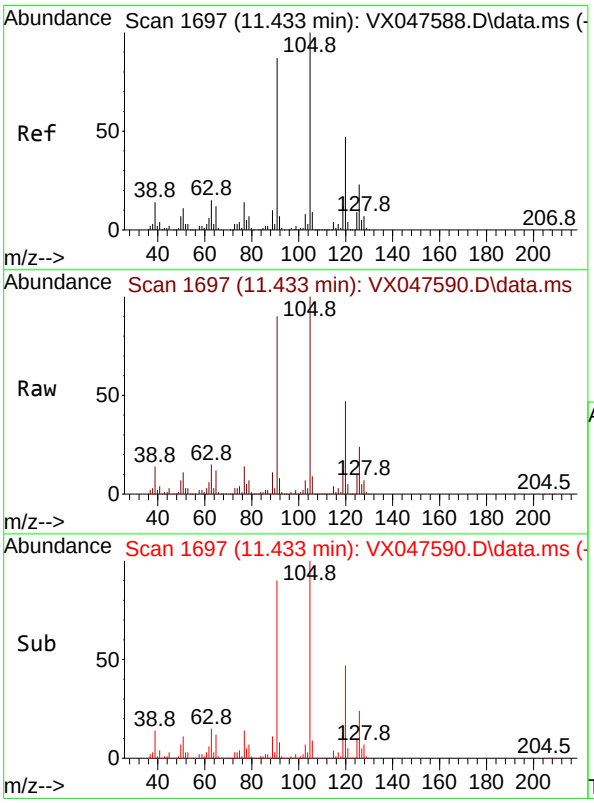
#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 939707

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

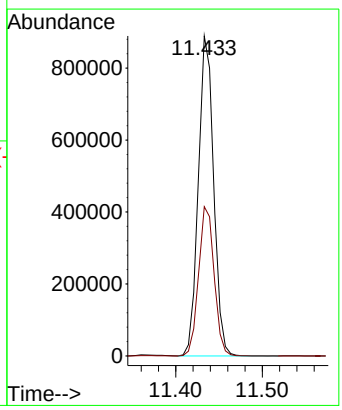


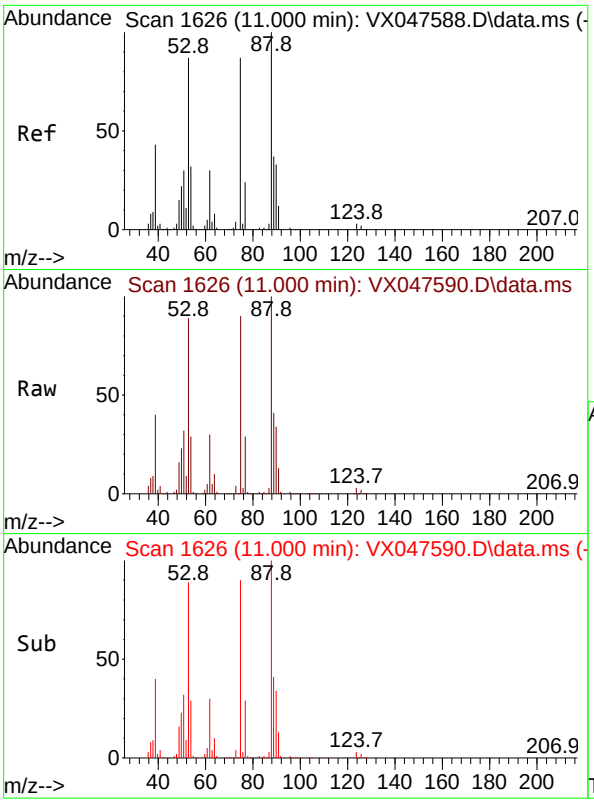


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



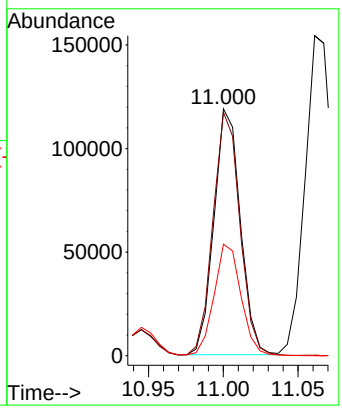


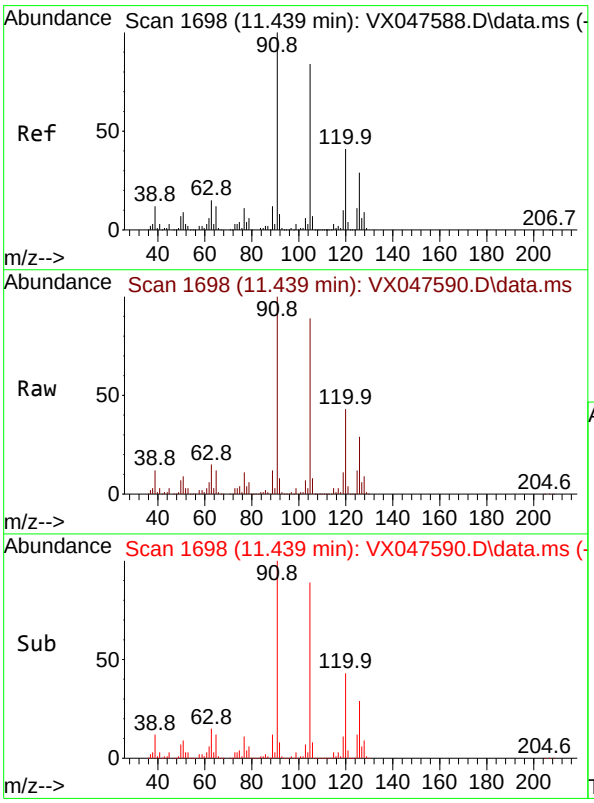
#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 145921

Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

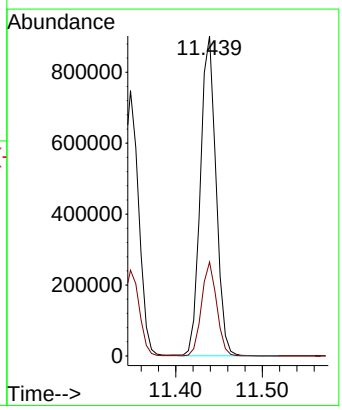


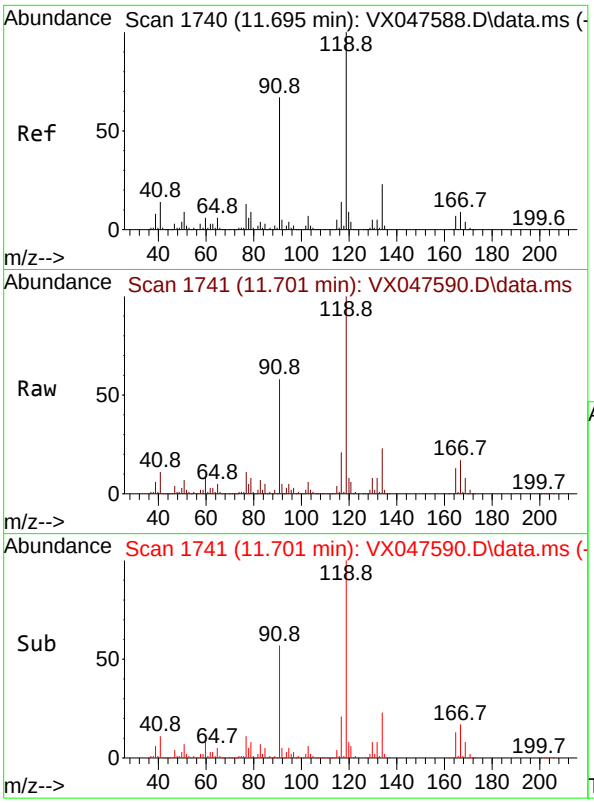


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



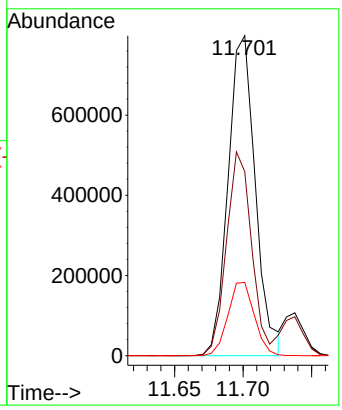


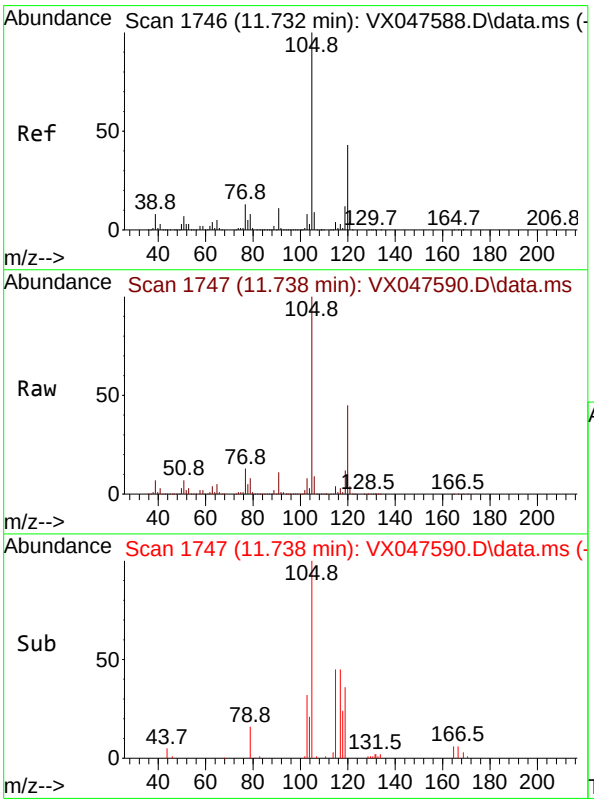
#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1106532

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

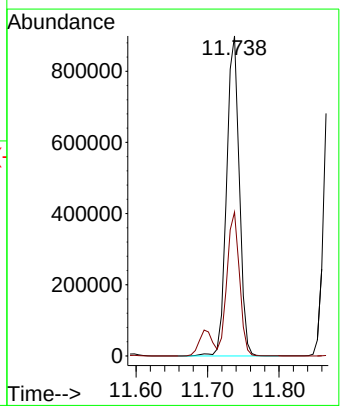


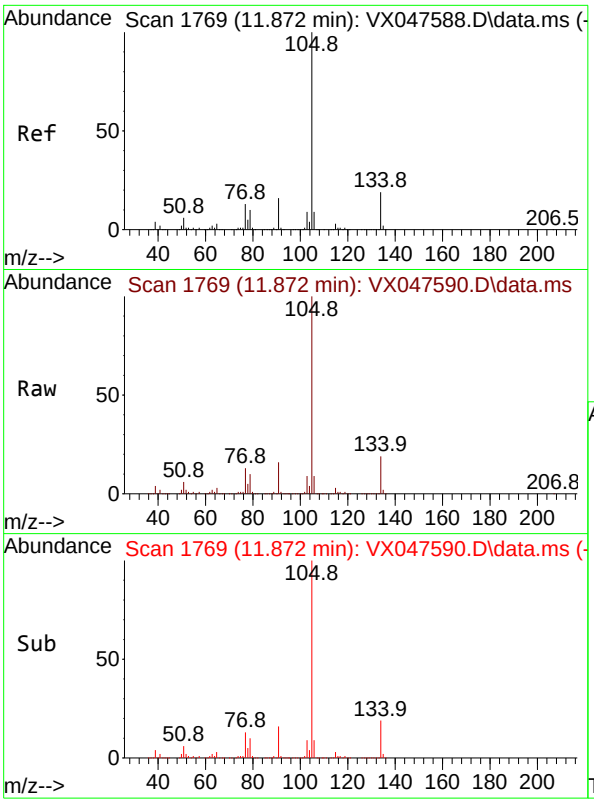


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



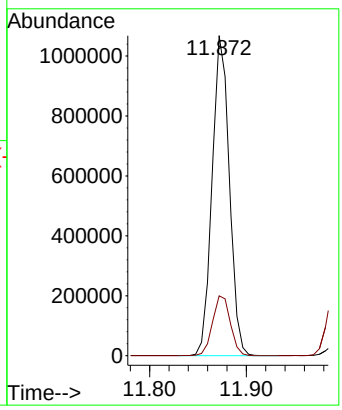


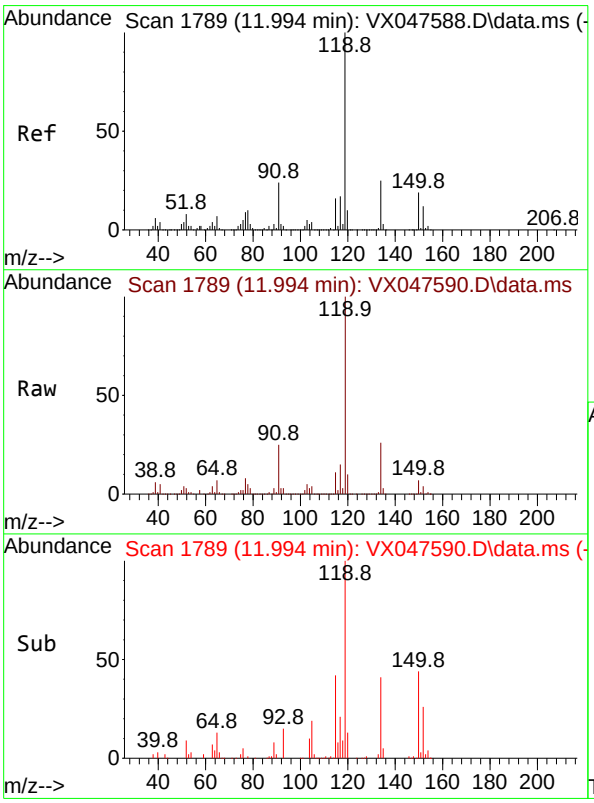
#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1319819

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

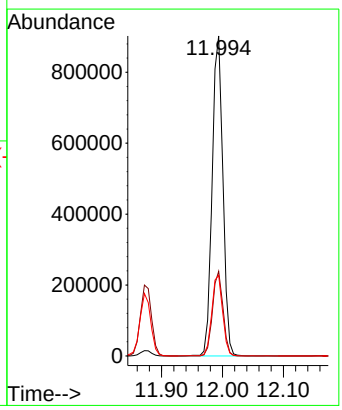


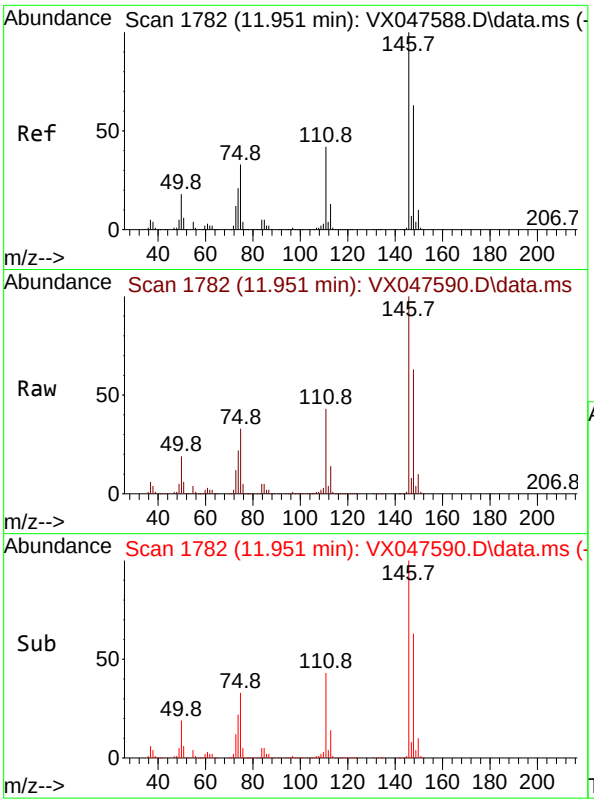


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6



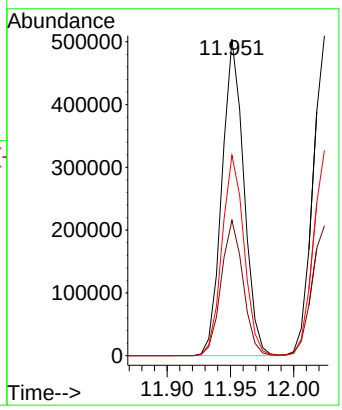


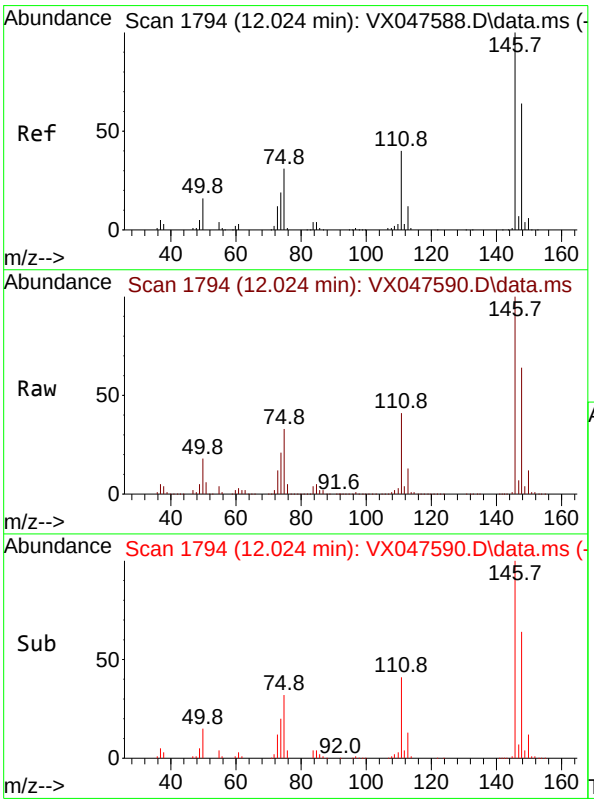
#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 605123

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0

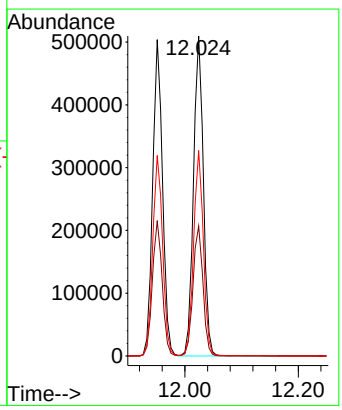


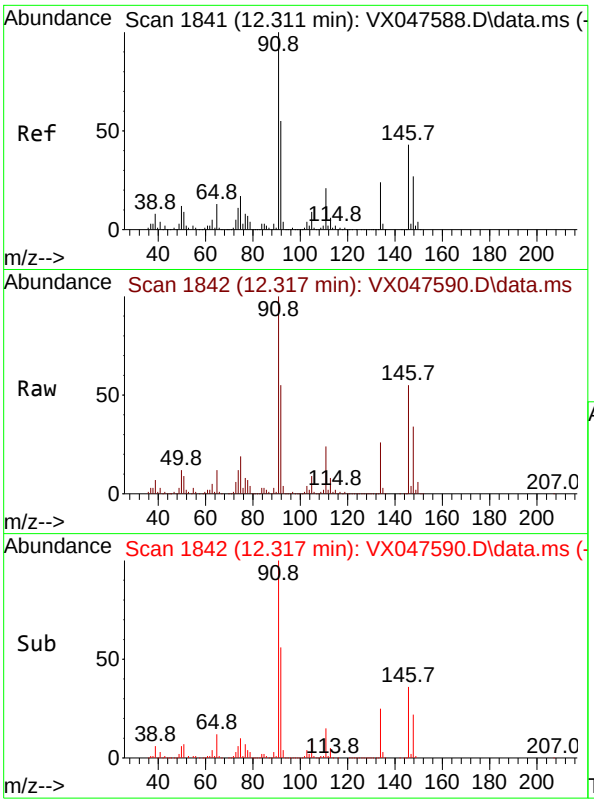


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1



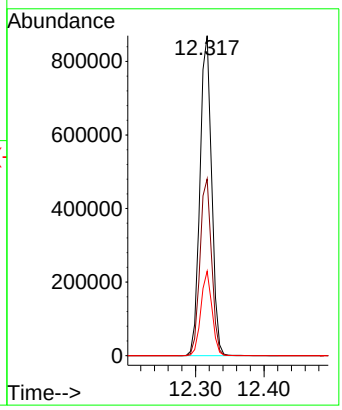


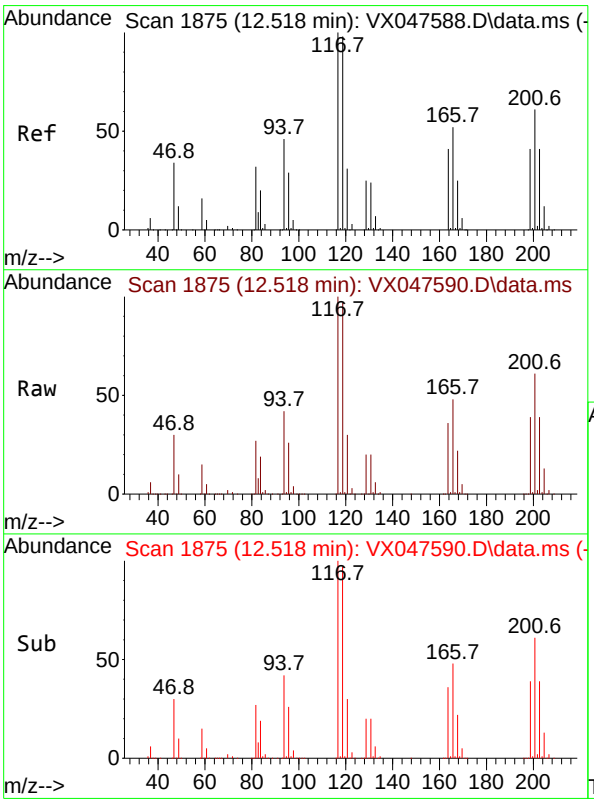
#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1032357

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8

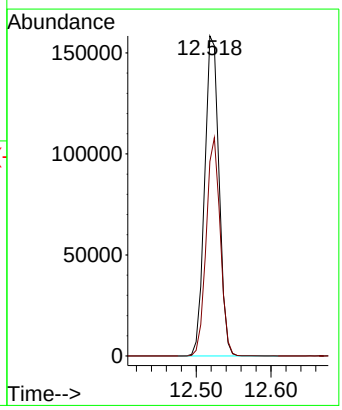


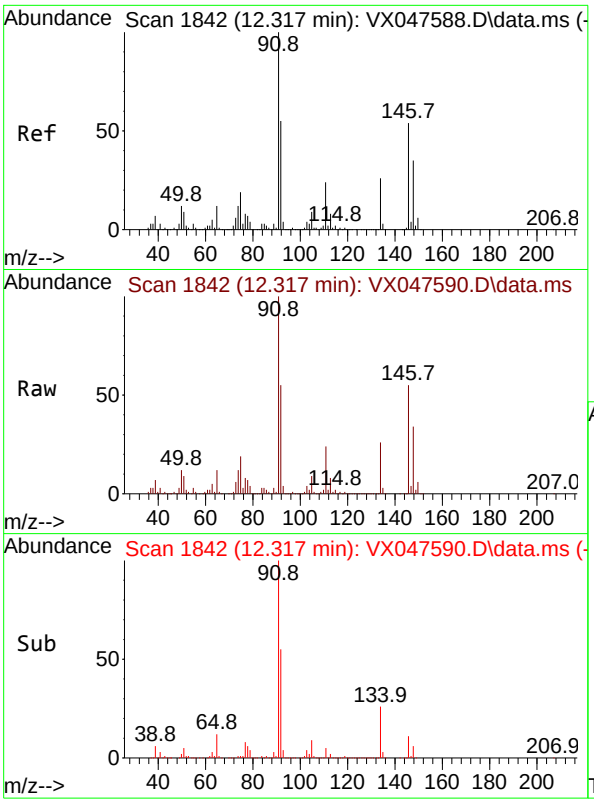


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



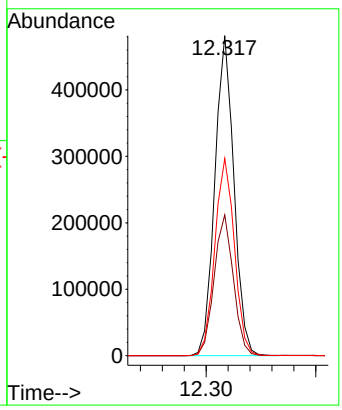


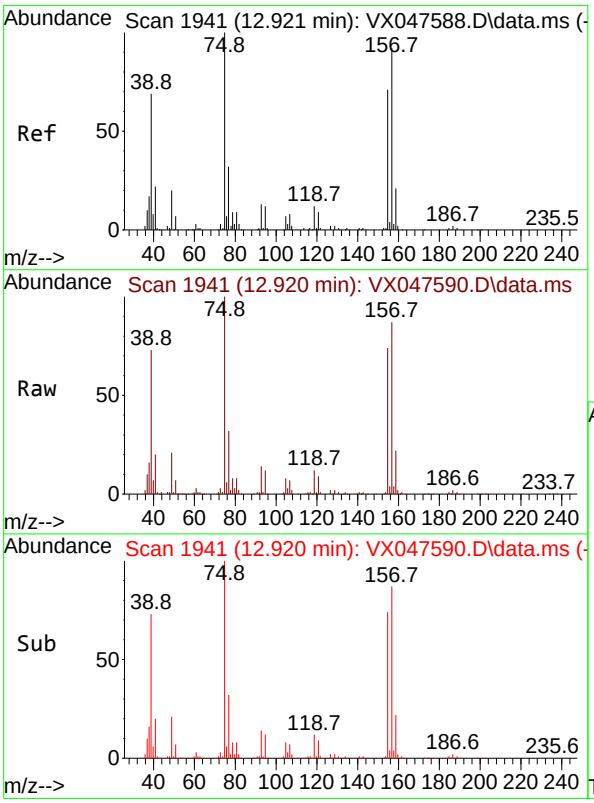
#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 582565

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4

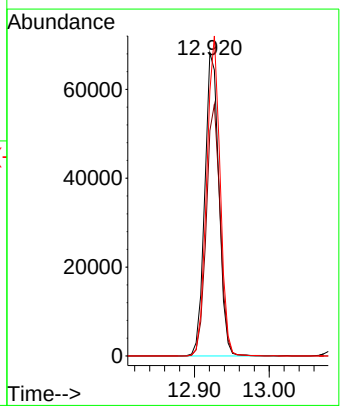


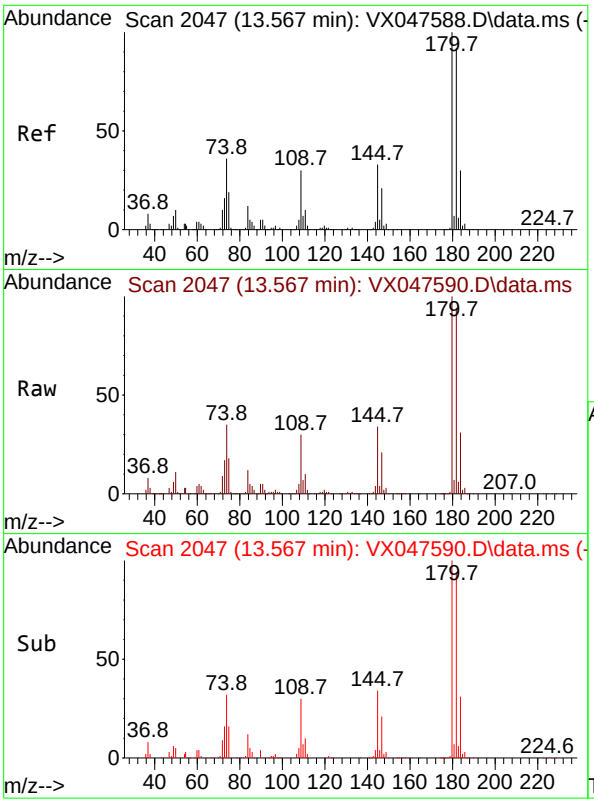


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4



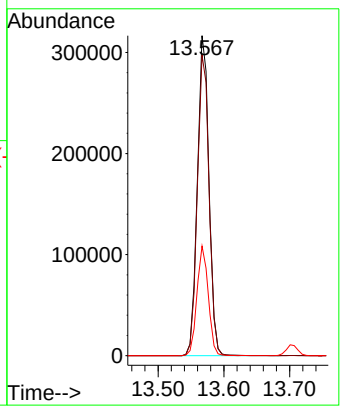


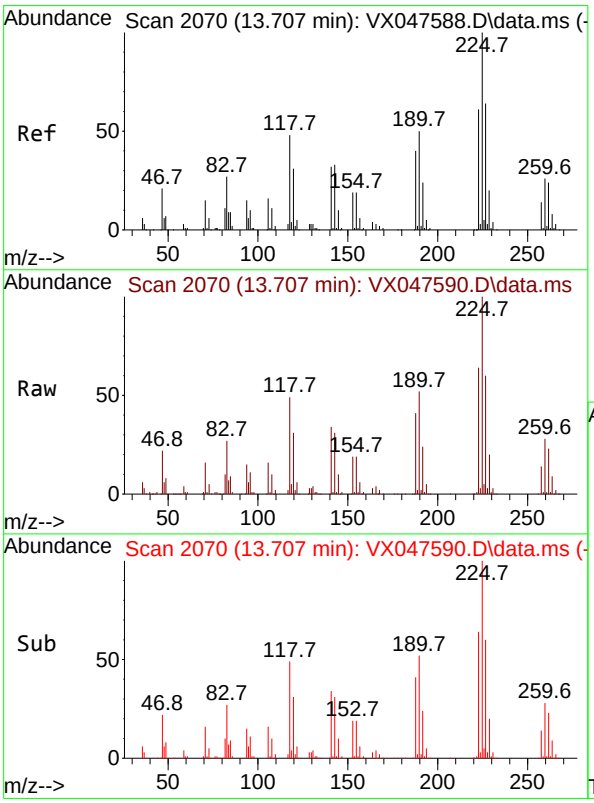
#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 387652

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1

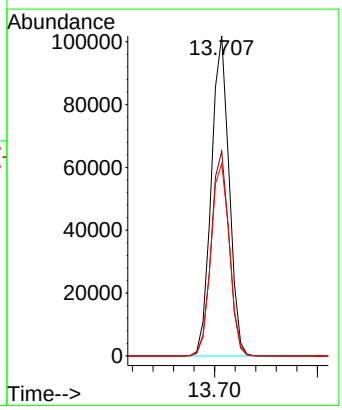


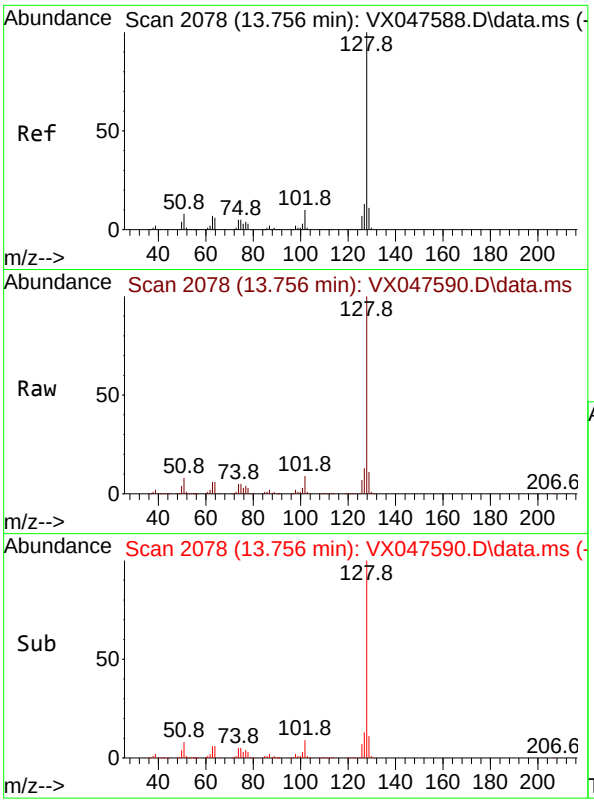


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0



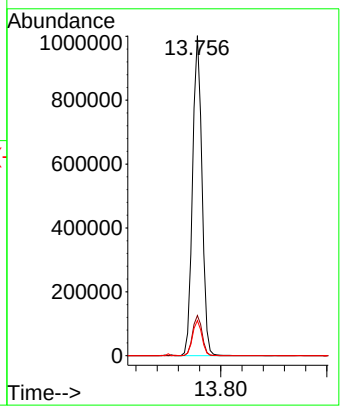


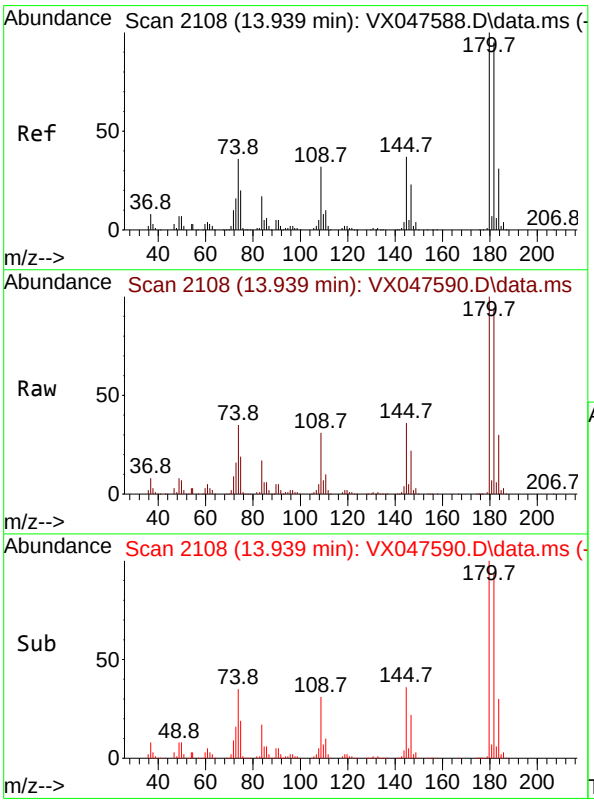
#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1229363

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

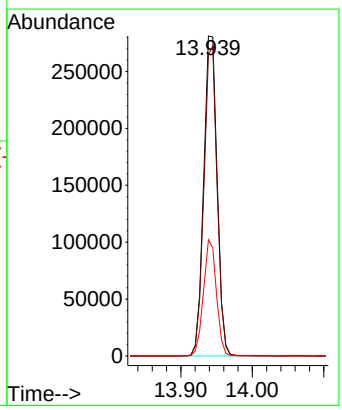




#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 91.100%			
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.120%			
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.820%			
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	184000	65.262	ug/l		89
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

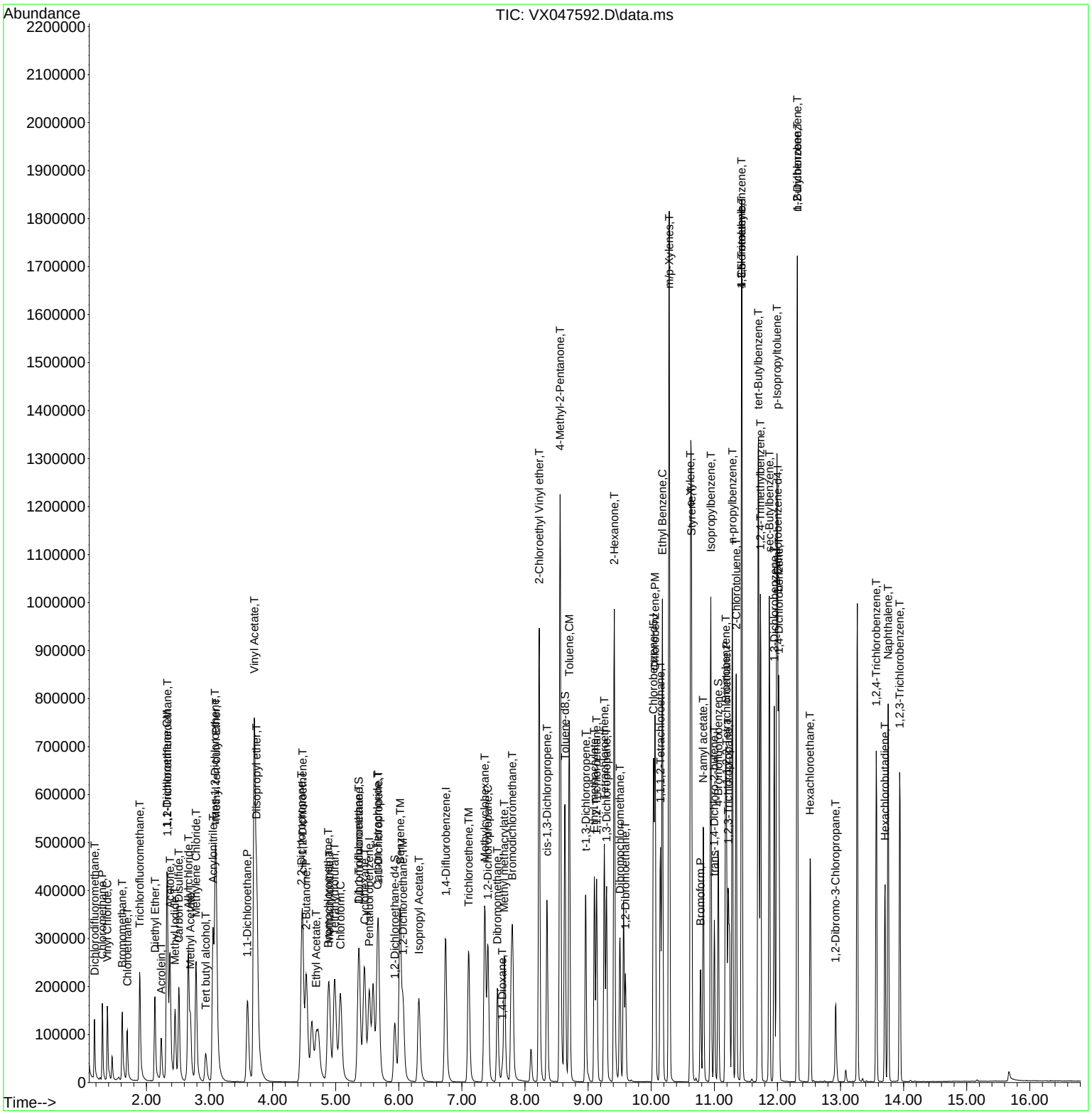
(#) = qualifier out of range (m) = manual integration (+) = signals summed

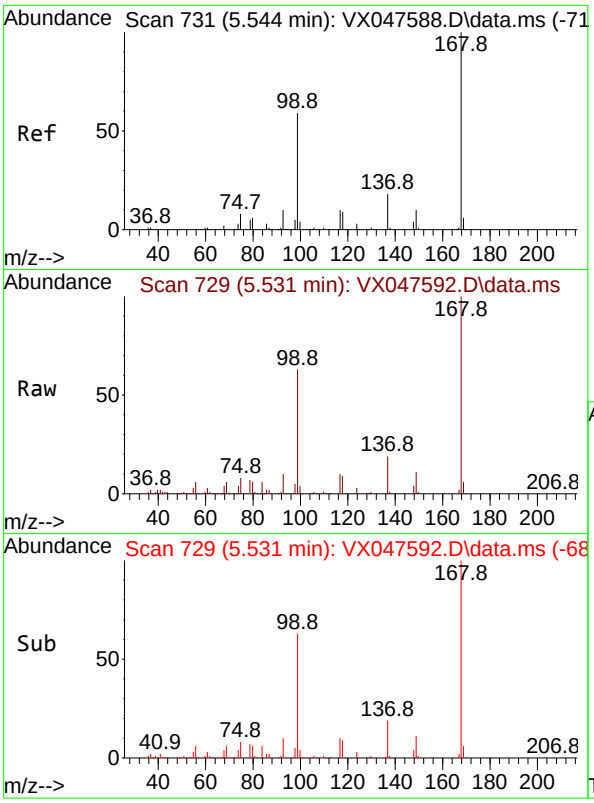
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



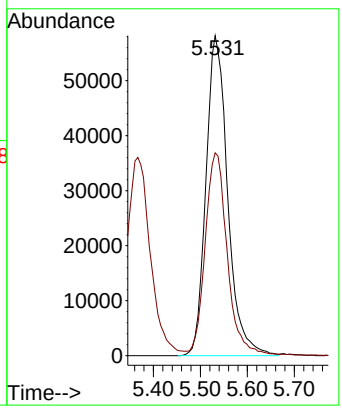


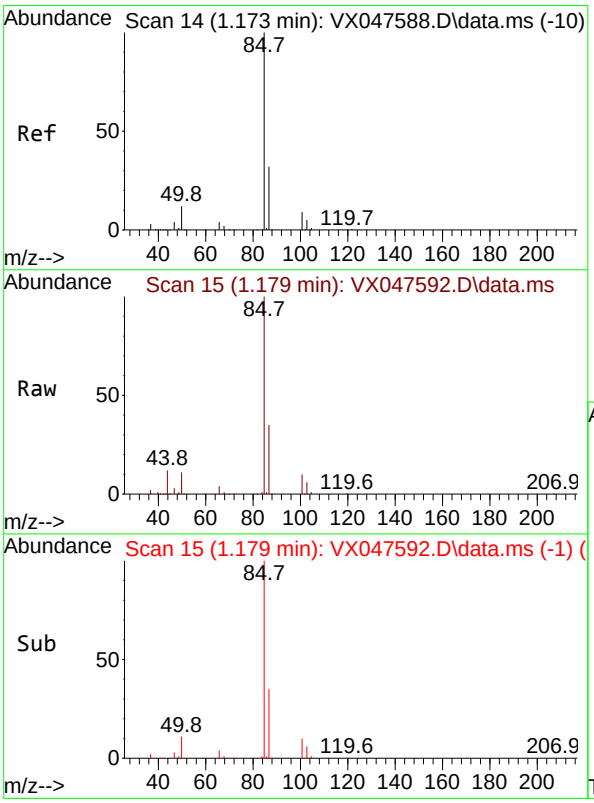
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:168 Resp: 186484

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

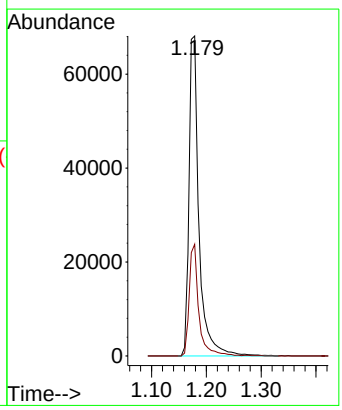


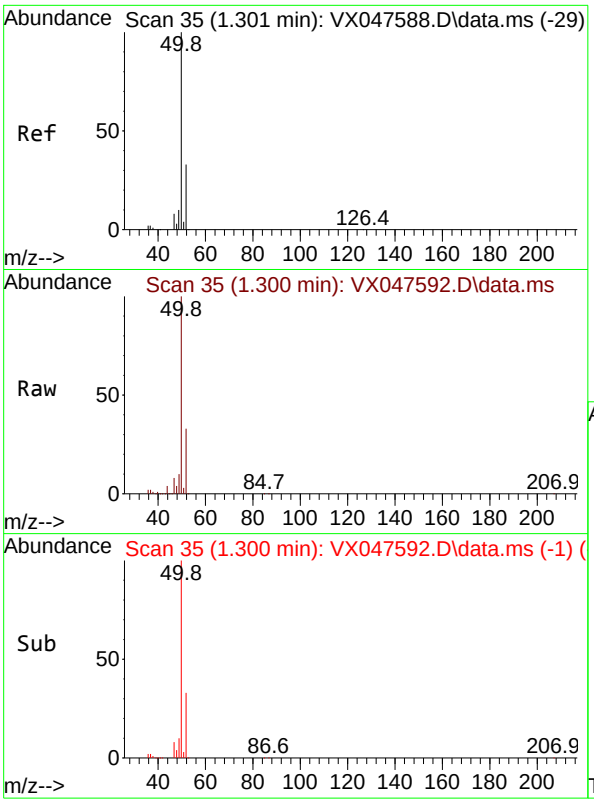


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3



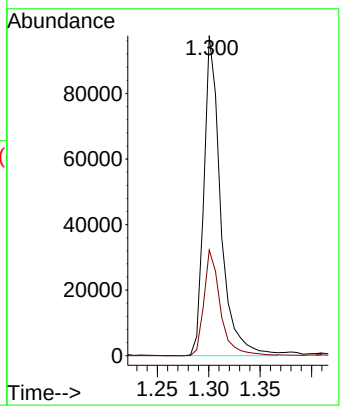


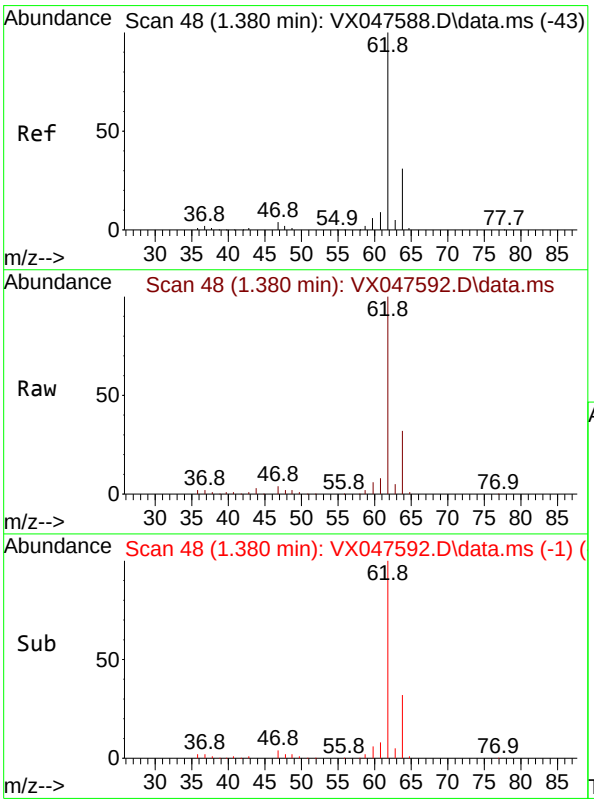
#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 50 Resp: 110935

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1

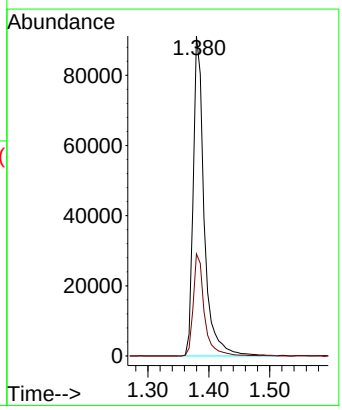


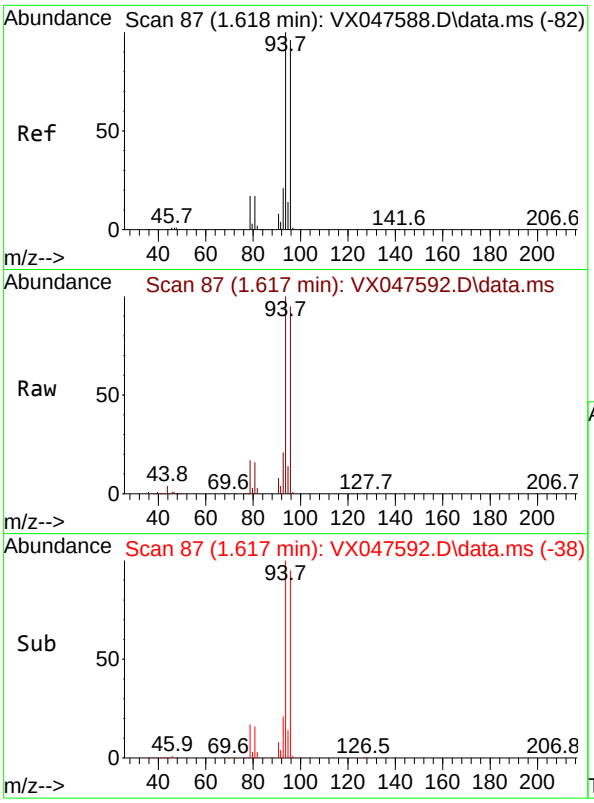


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3



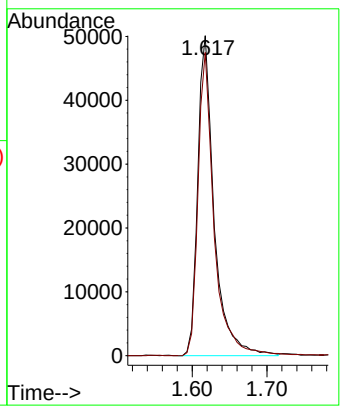


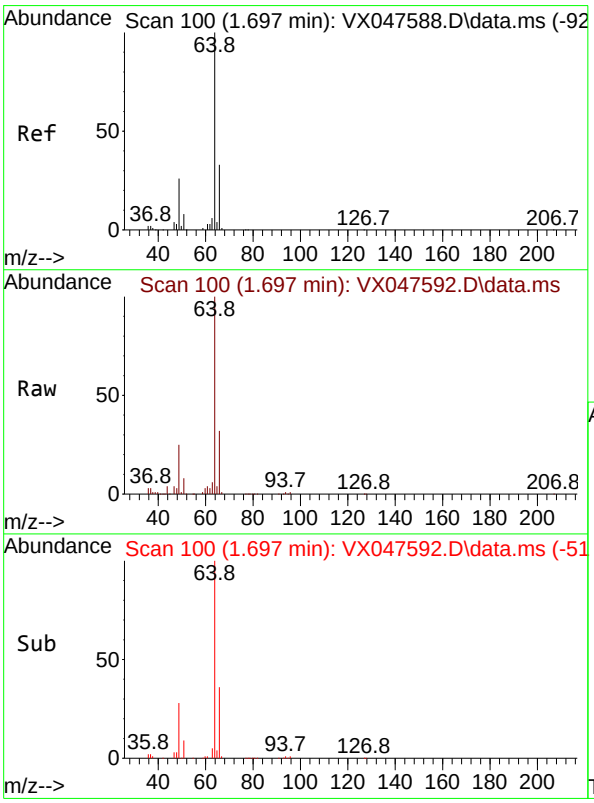
#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 94 Resp: 76388

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0

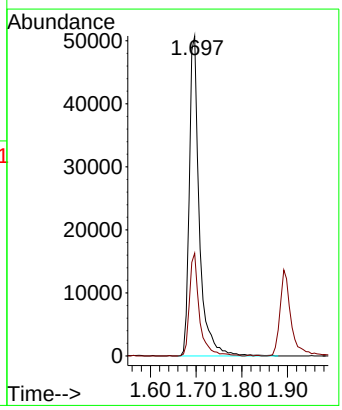


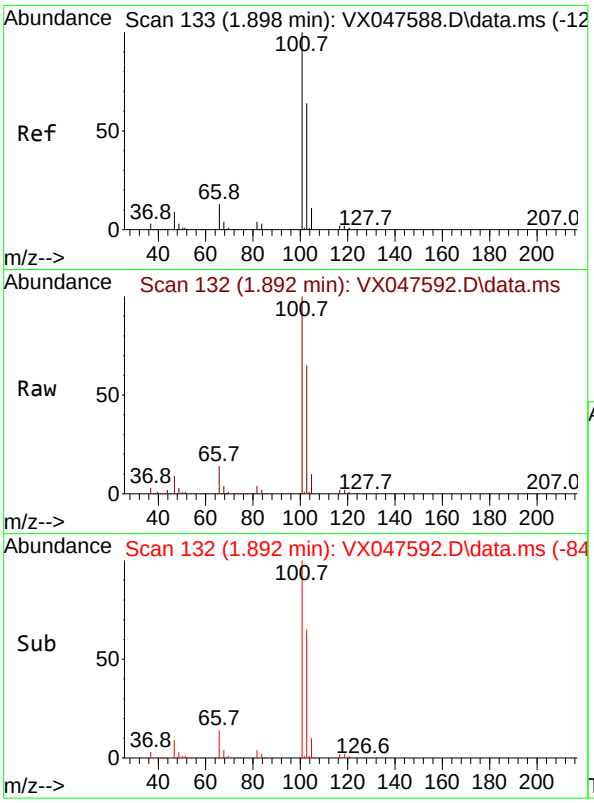


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1



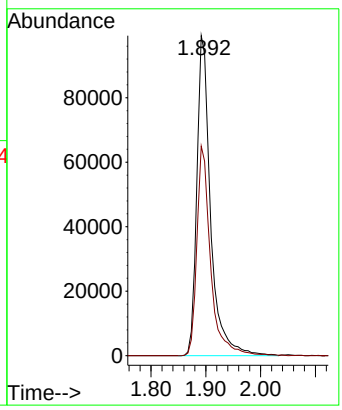


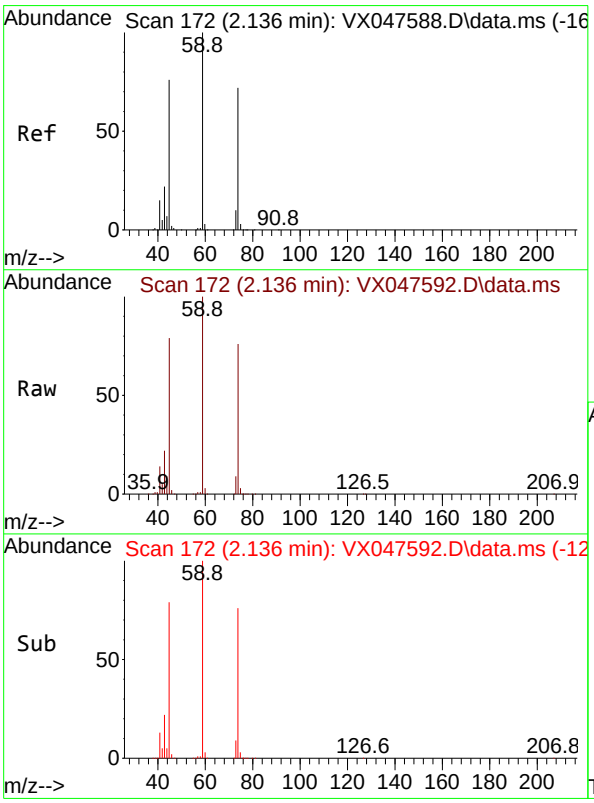
#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 173647

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

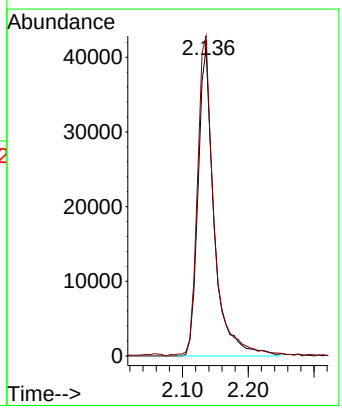


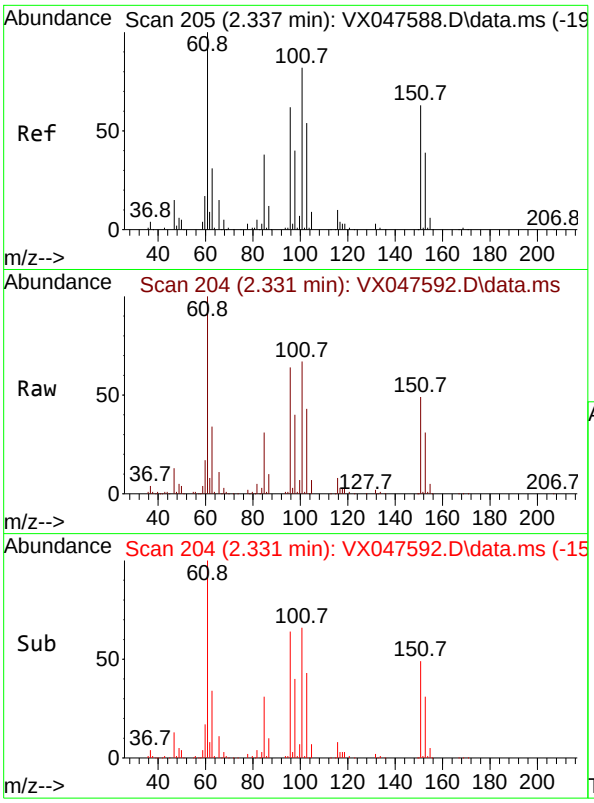


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8



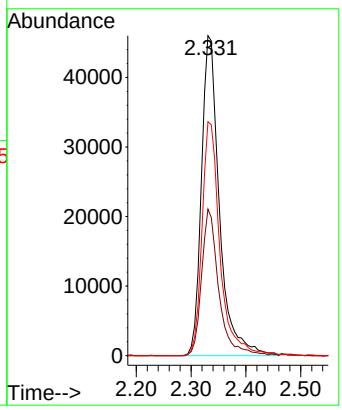


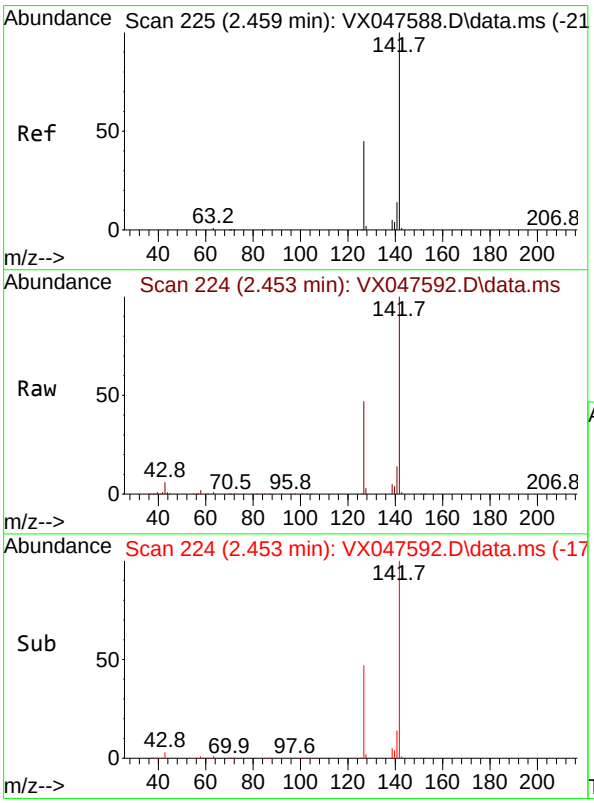
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 104663

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

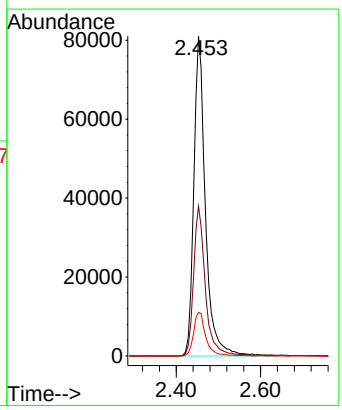


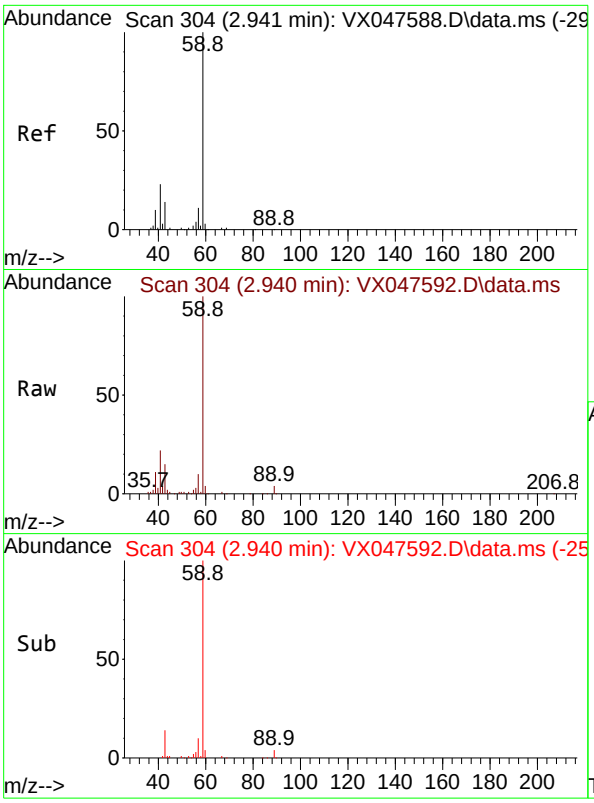


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0



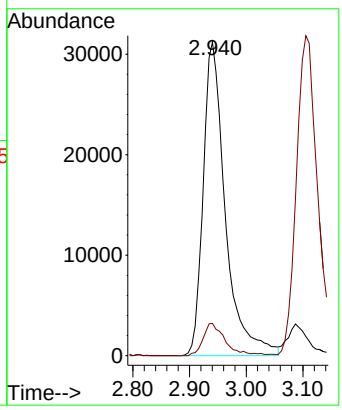


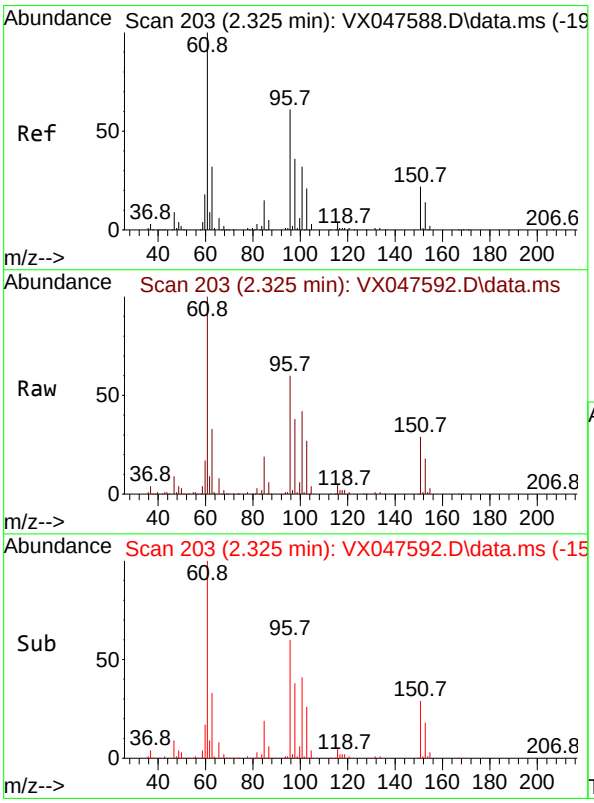
#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 59 Resp: 84722

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

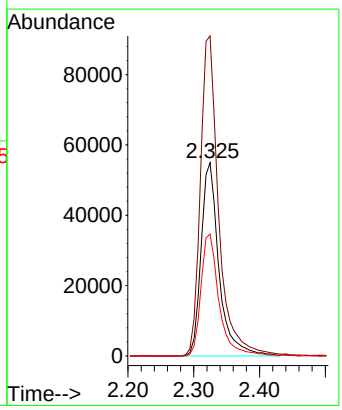


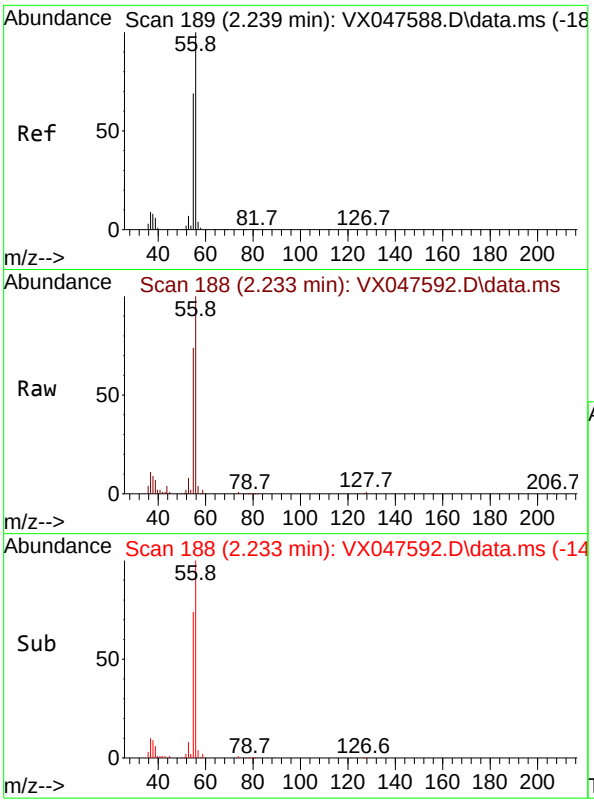


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5



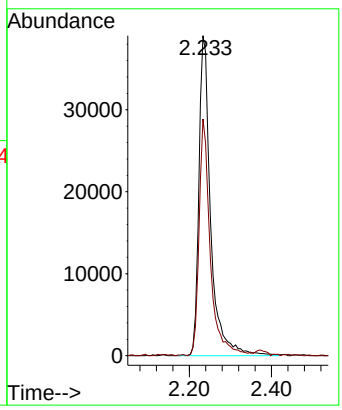


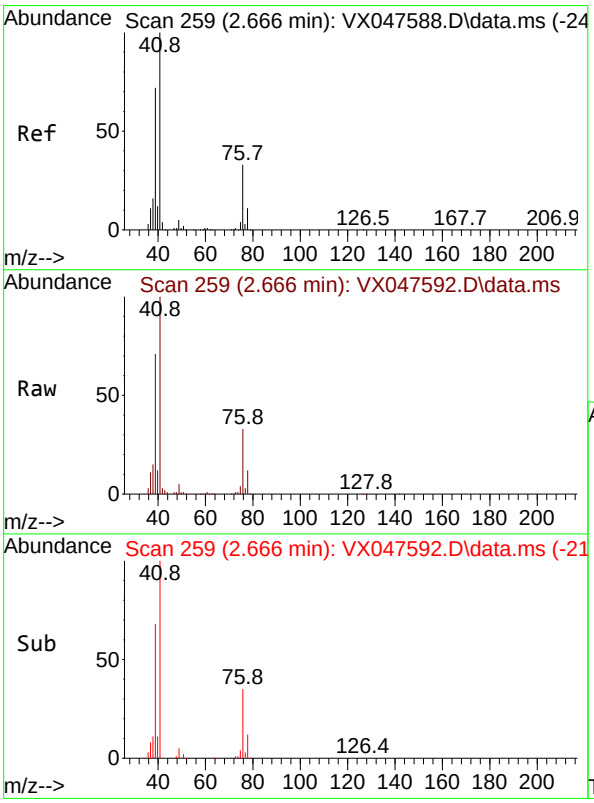
#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 77645

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

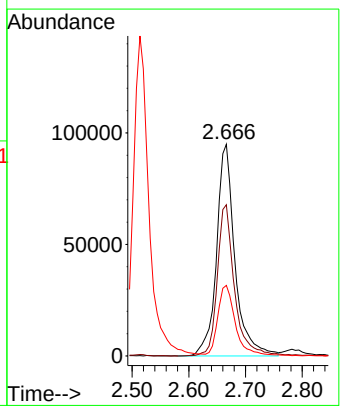


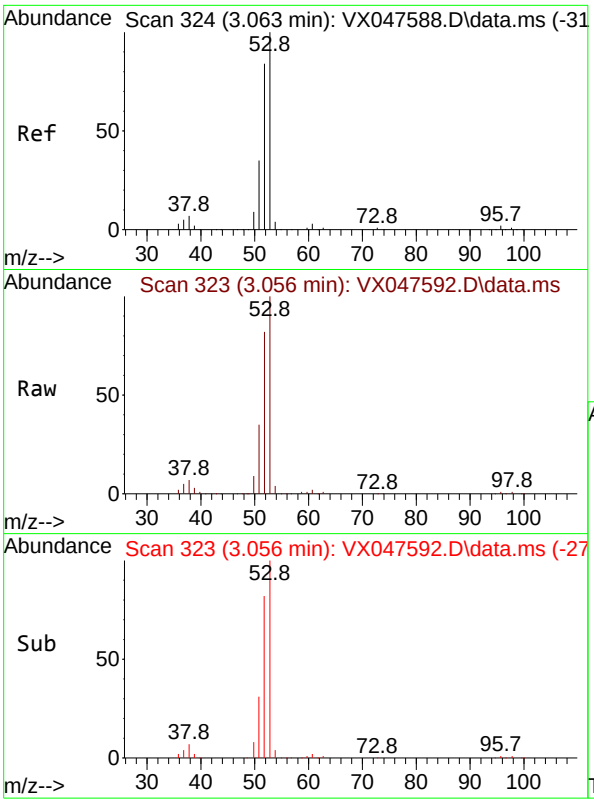


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5



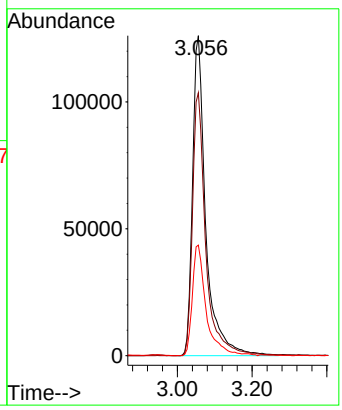


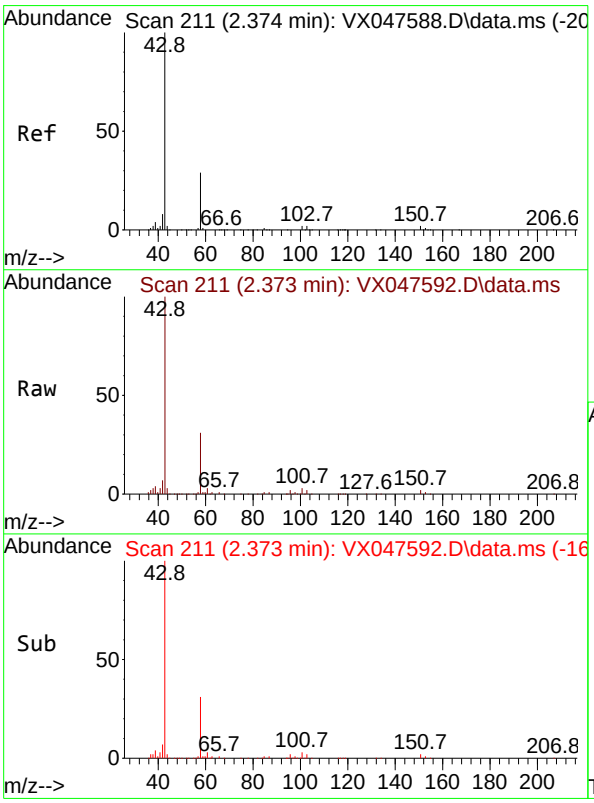
#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 53 Resp: 310505

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3

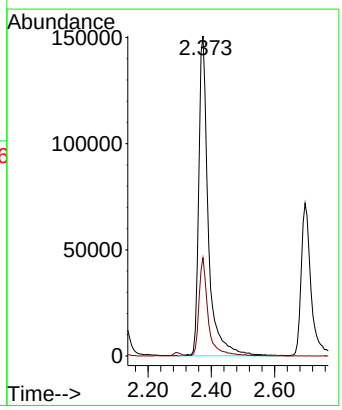


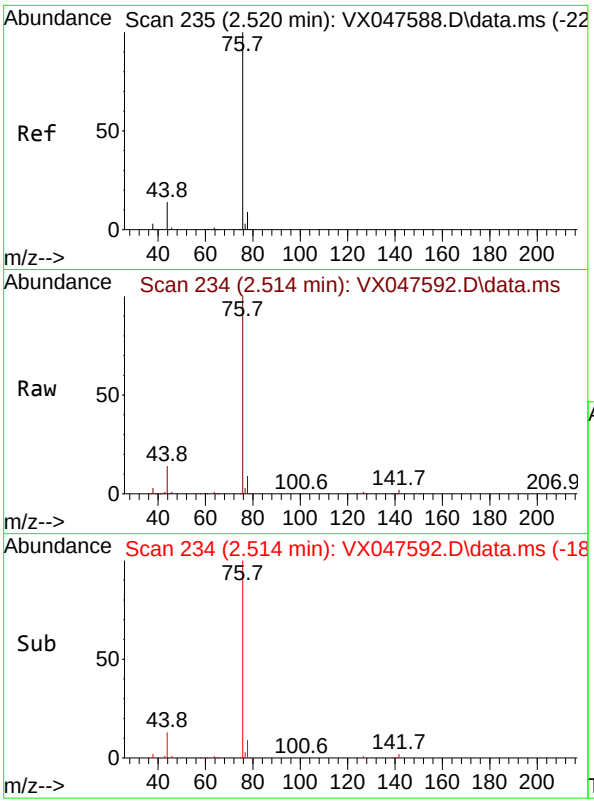


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0



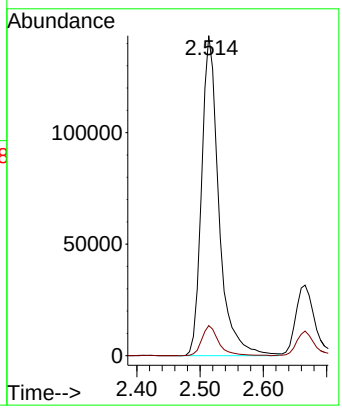


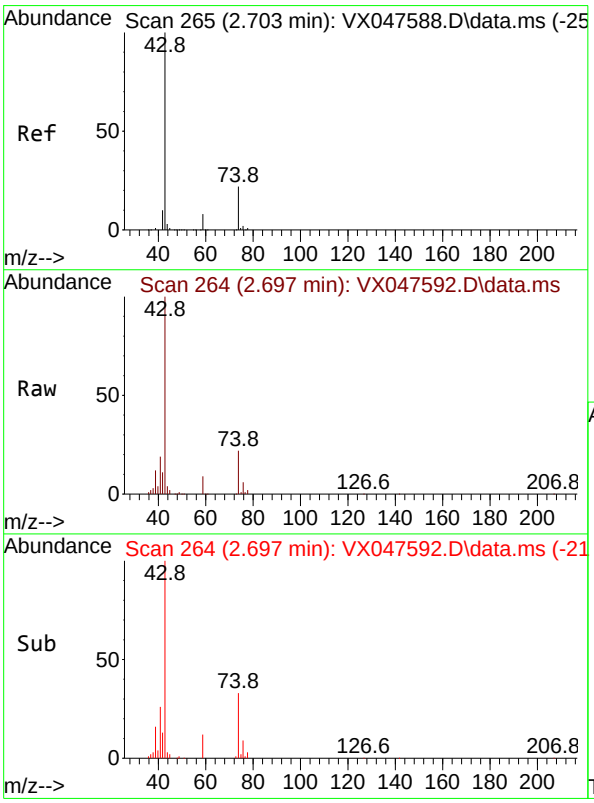
#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 272741

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

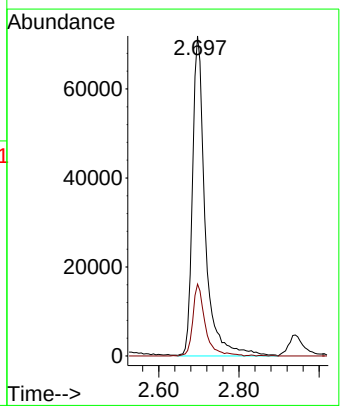


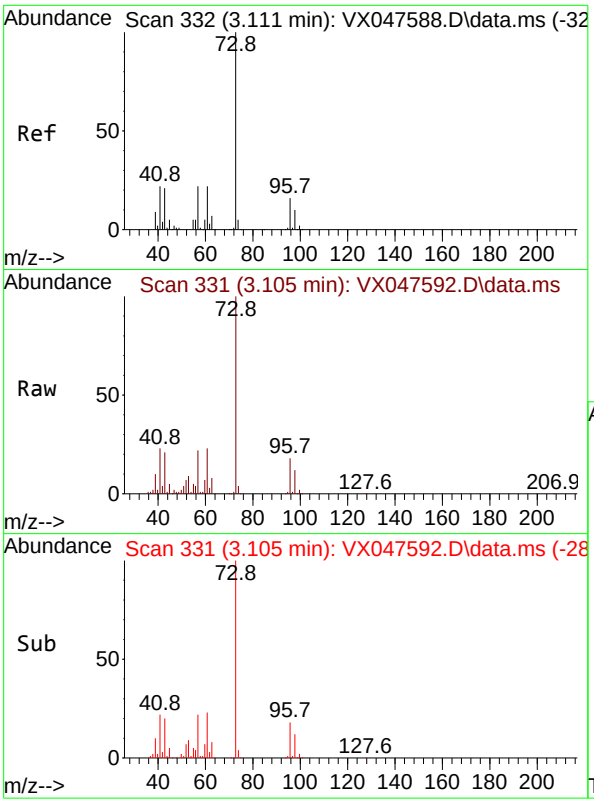


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



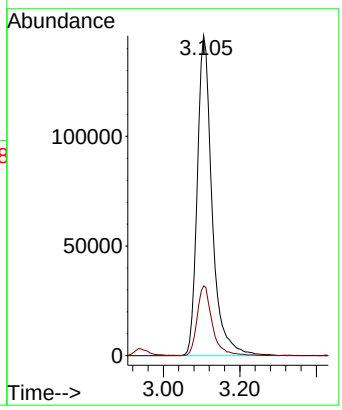


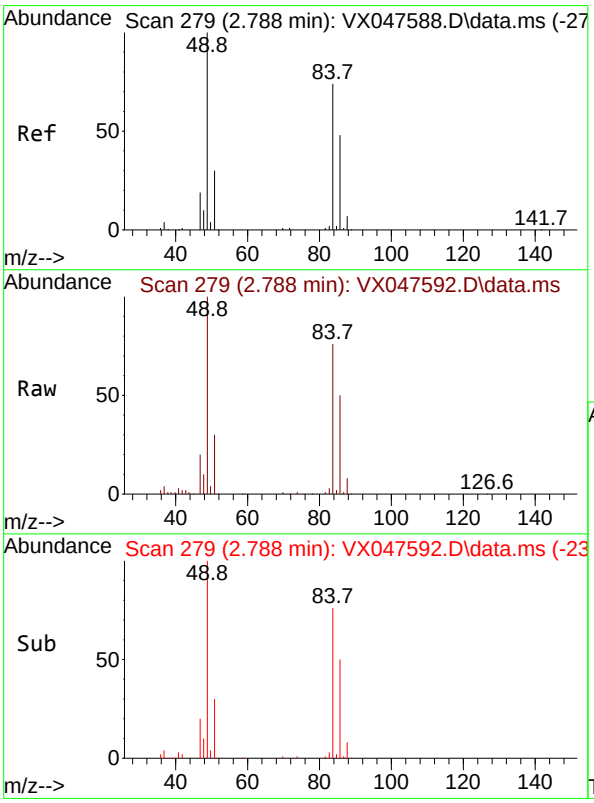
#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 73 Resp: 392574

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

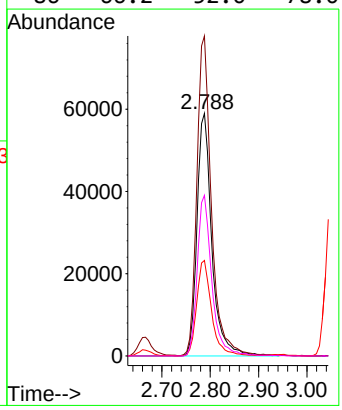


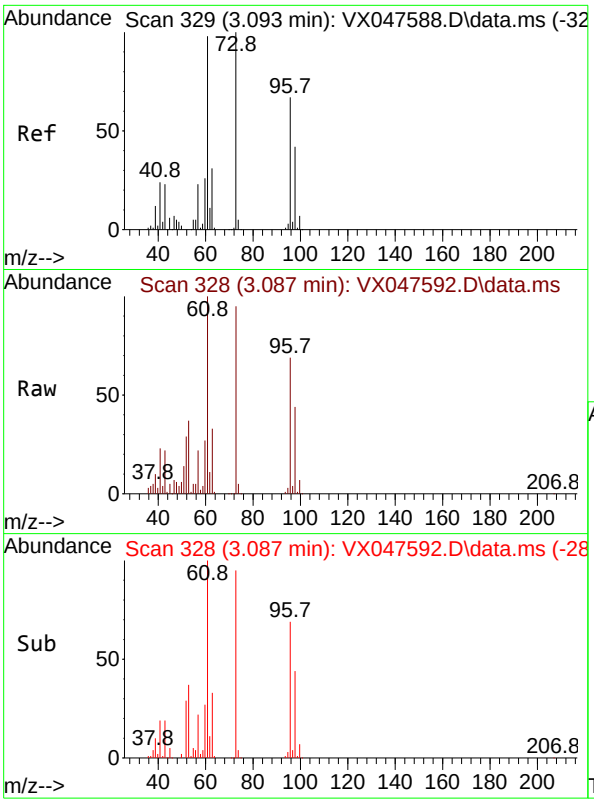


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0



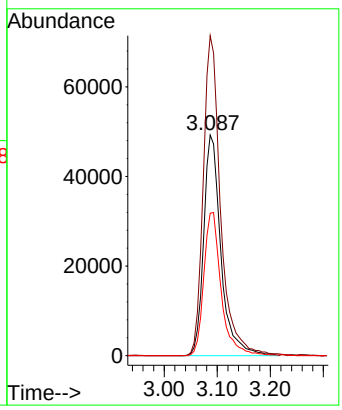


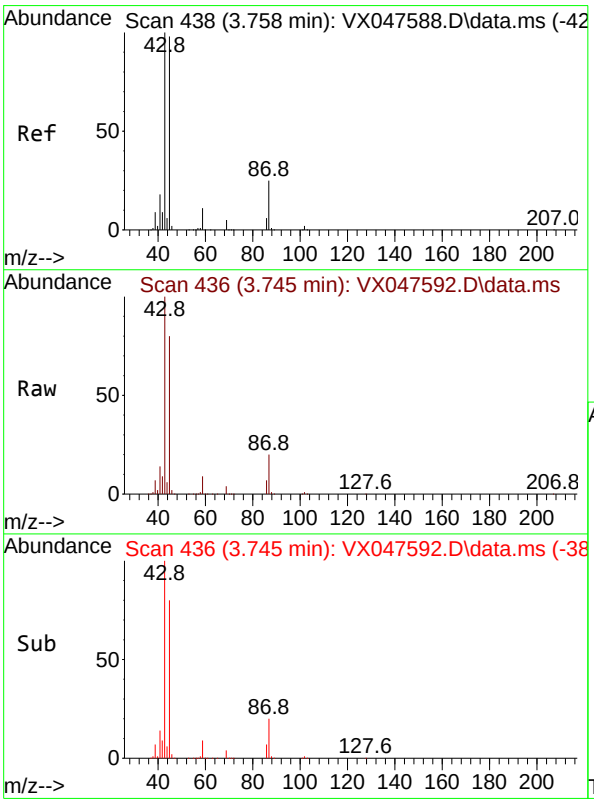
#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 111418

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9

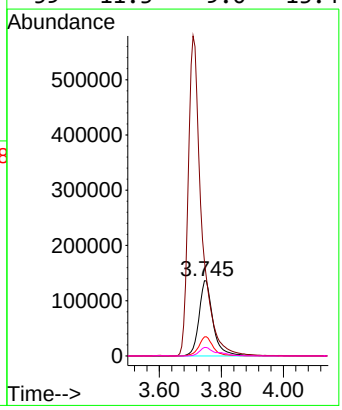


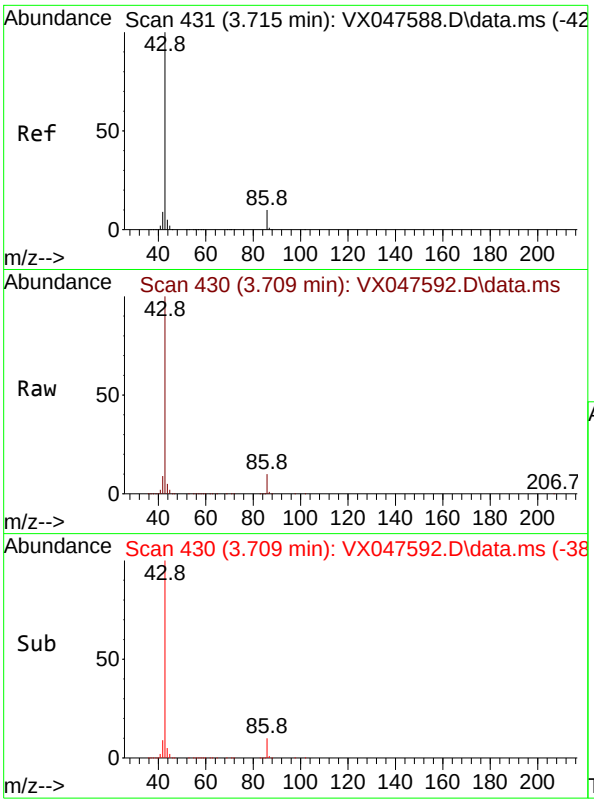


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4



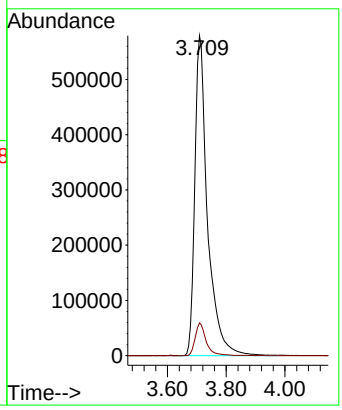


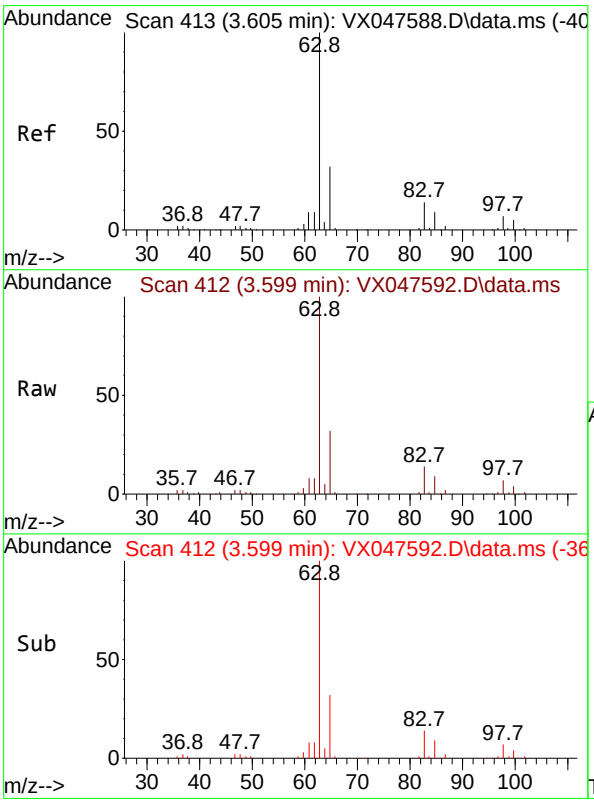
#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 1741267

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

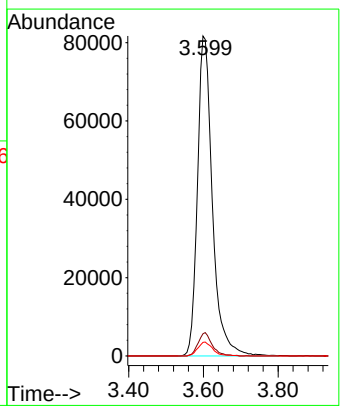


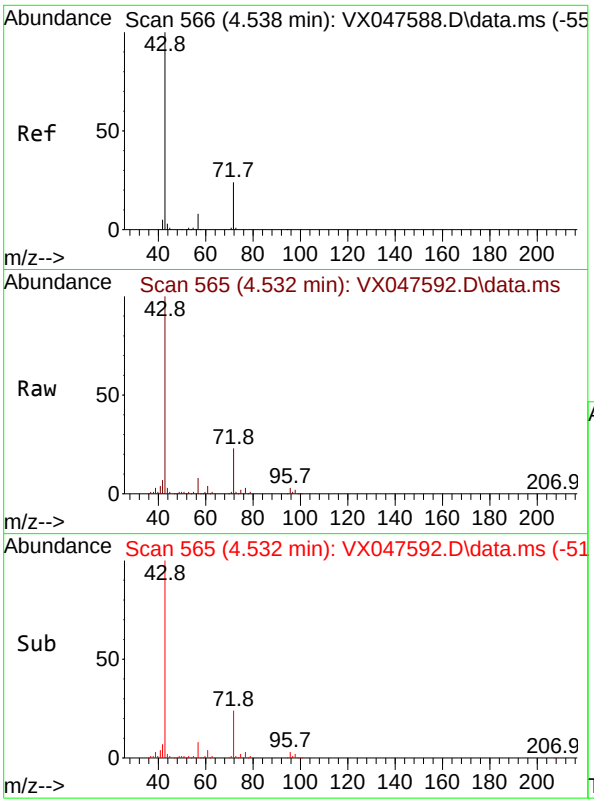


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9



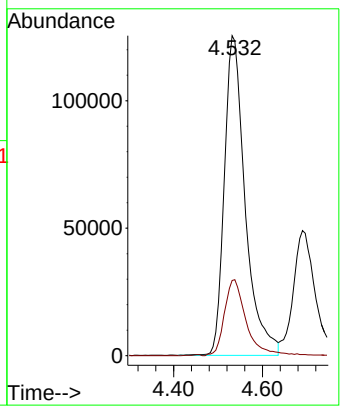


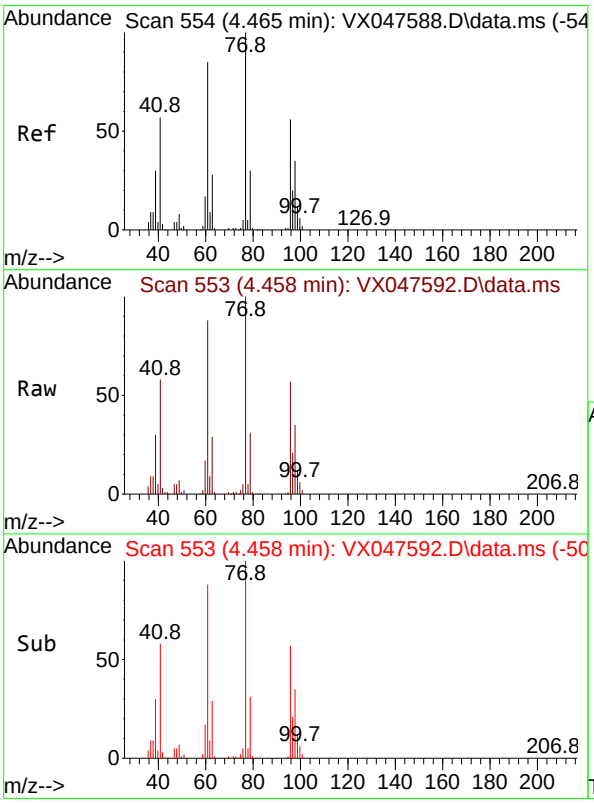
#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 408273

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

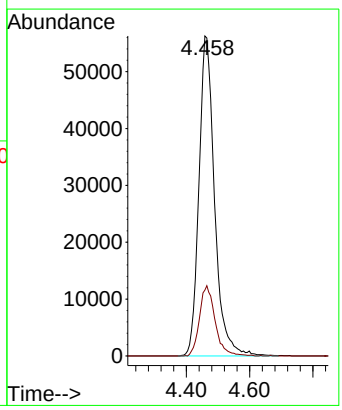


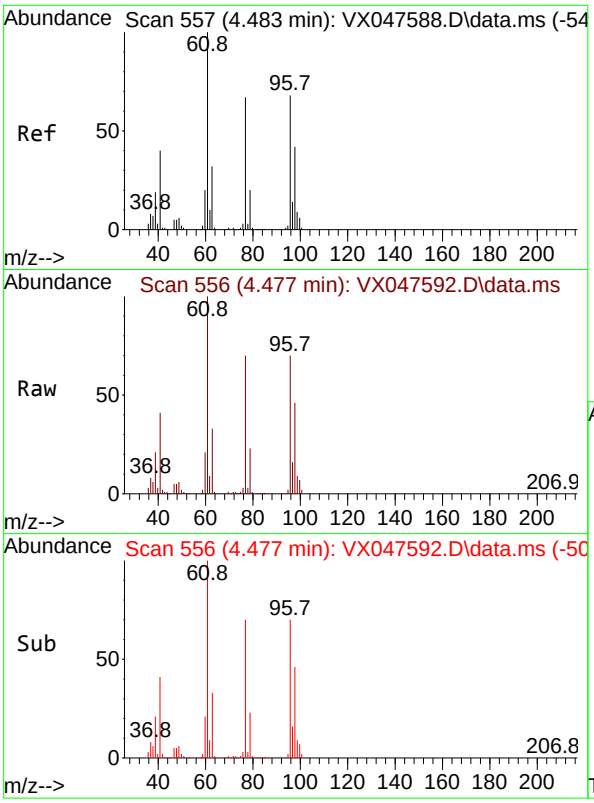


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



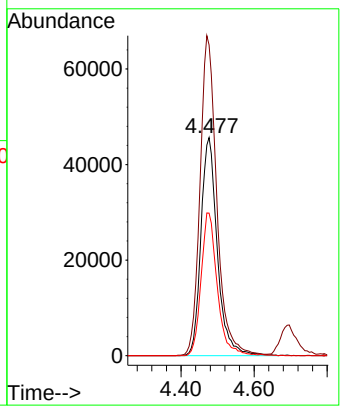


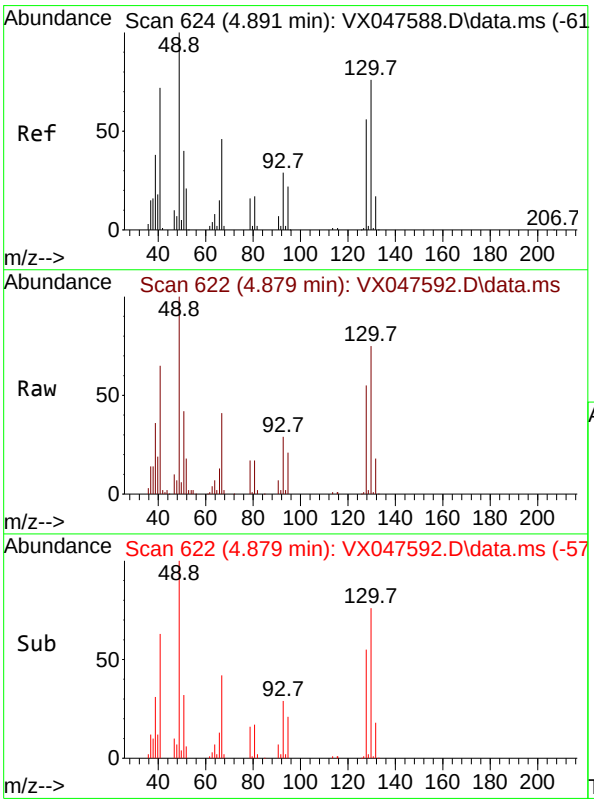
#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 142635

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8

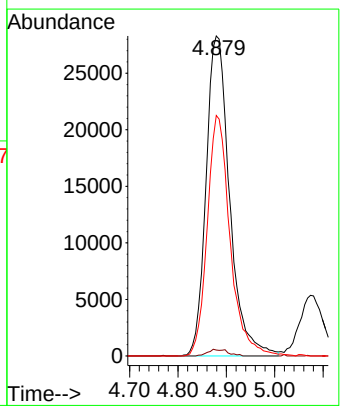


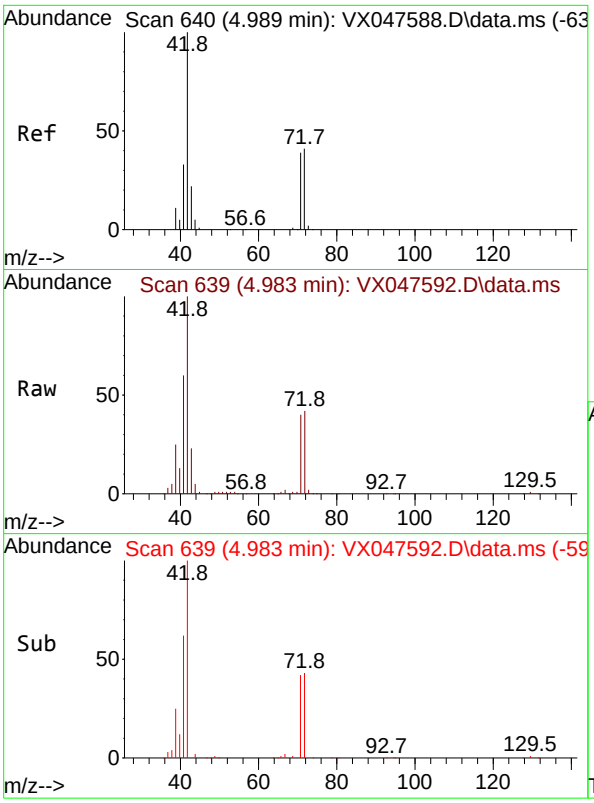


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8



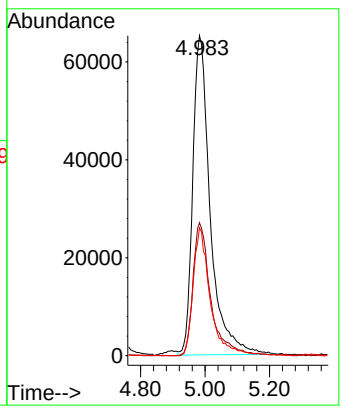


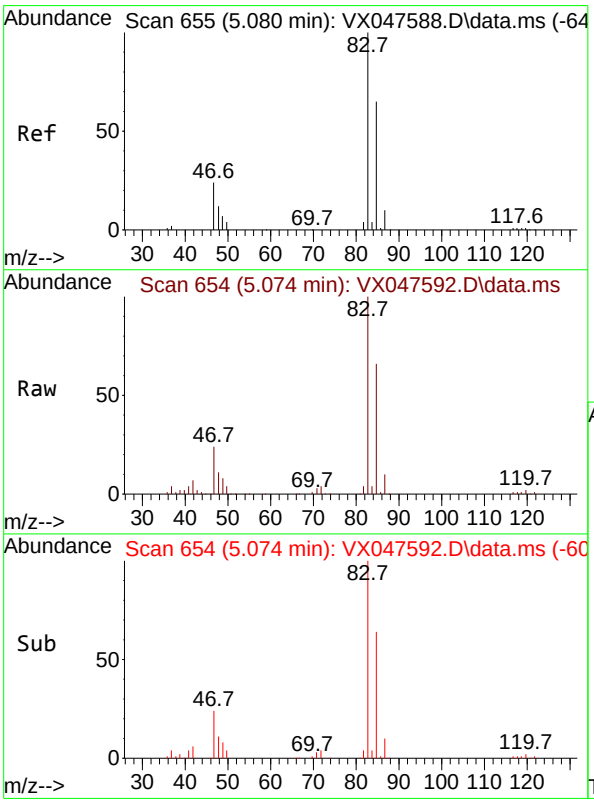
#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 42 Resp: 245392

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

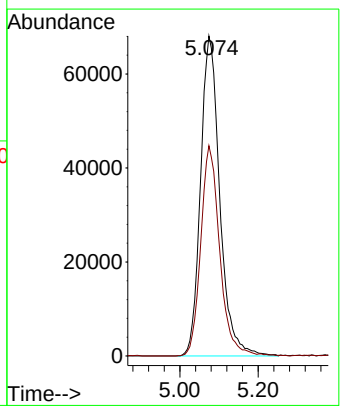


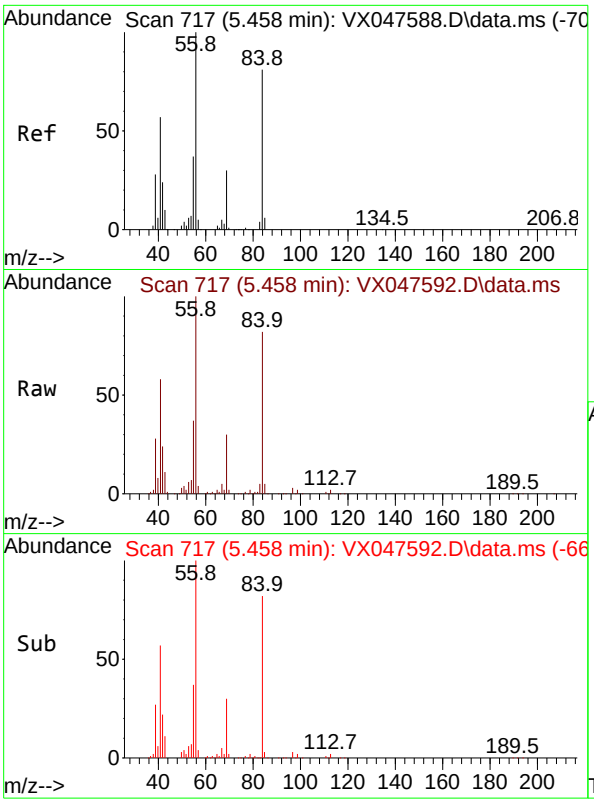


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6



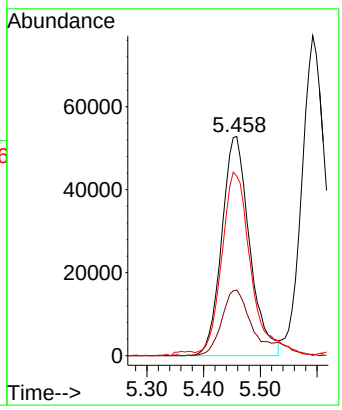


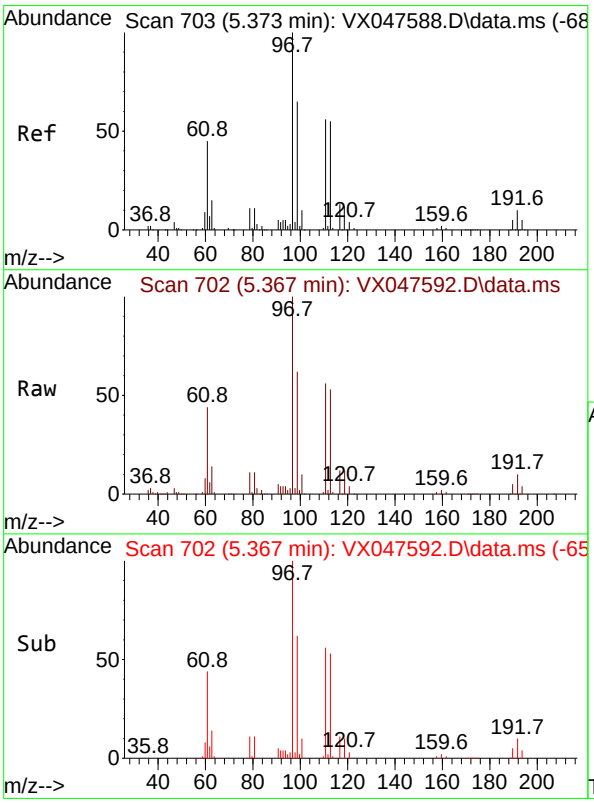
#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 180430

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0

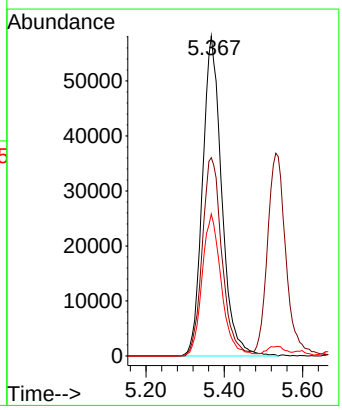


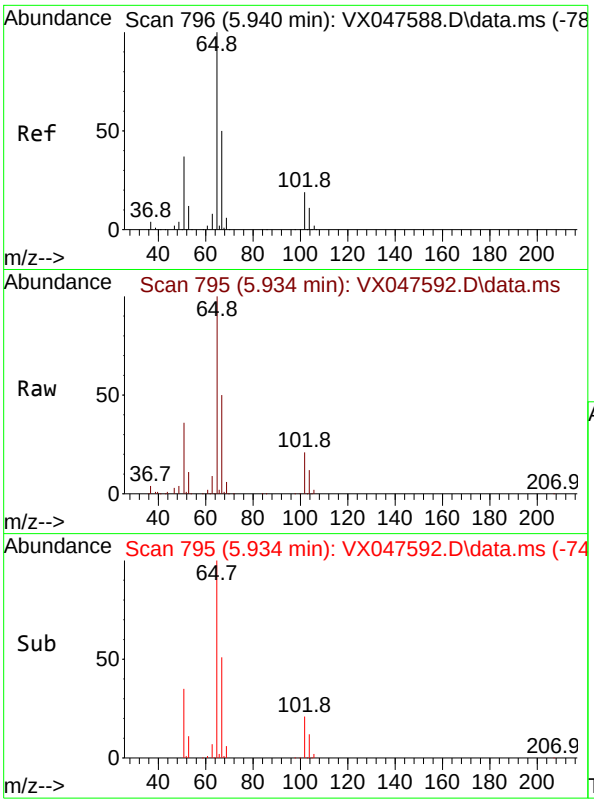


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8



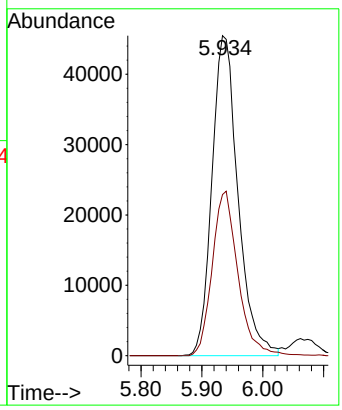


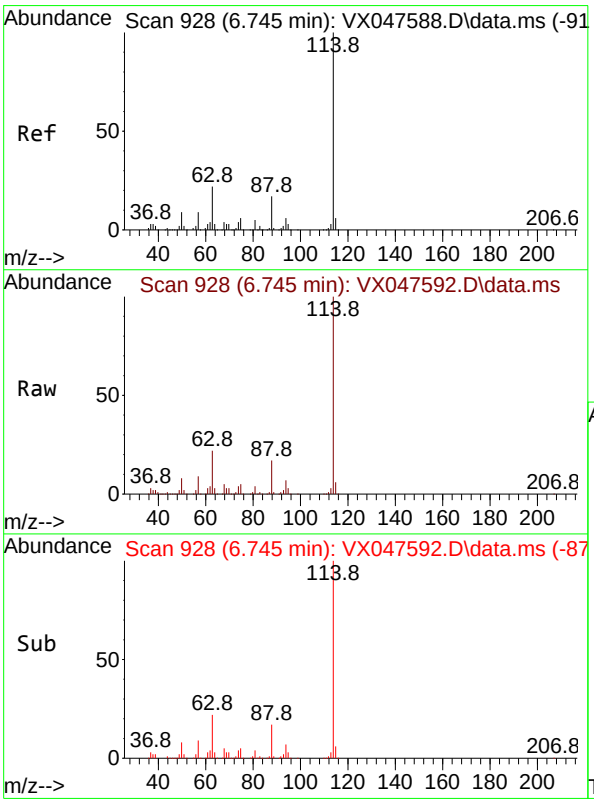
#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

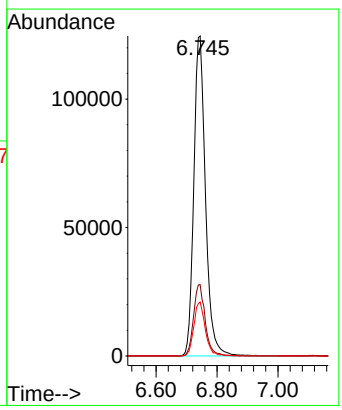


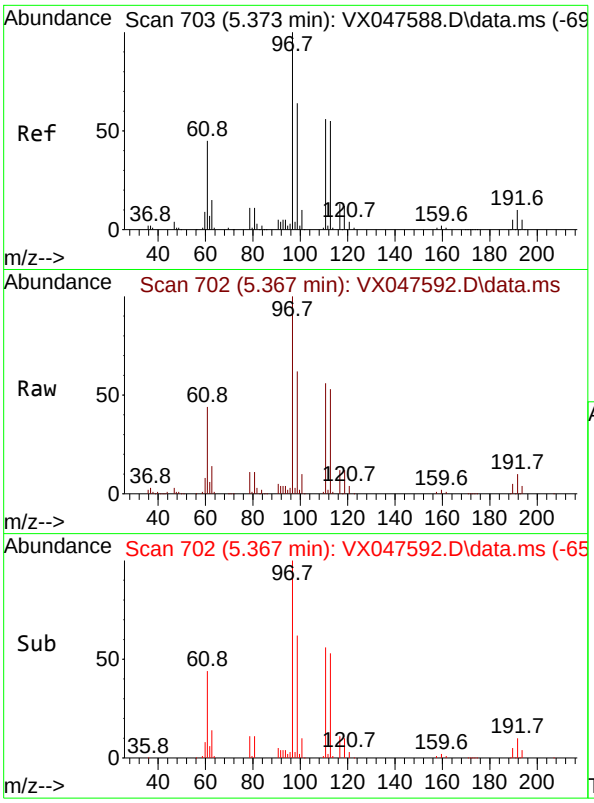


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



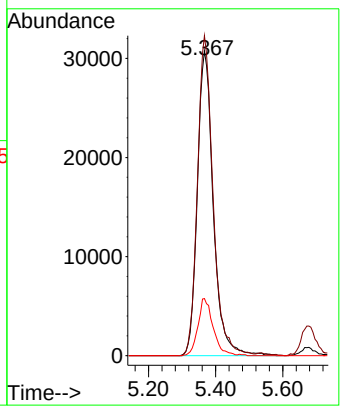


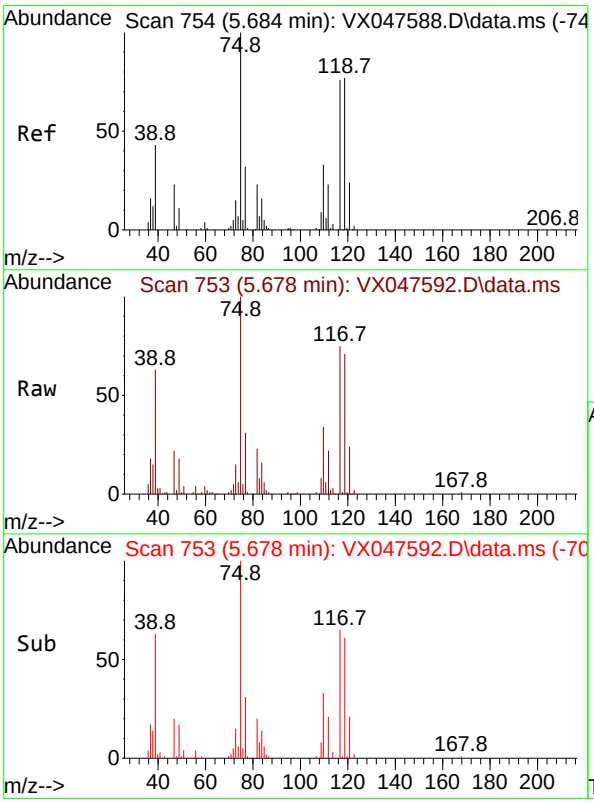
#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:113 Resp: 101390

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4

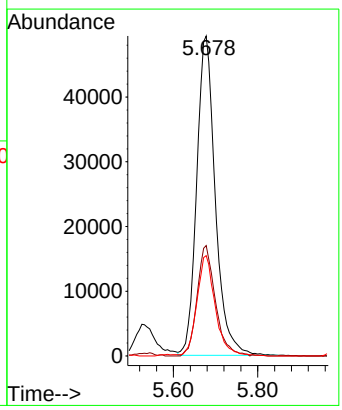


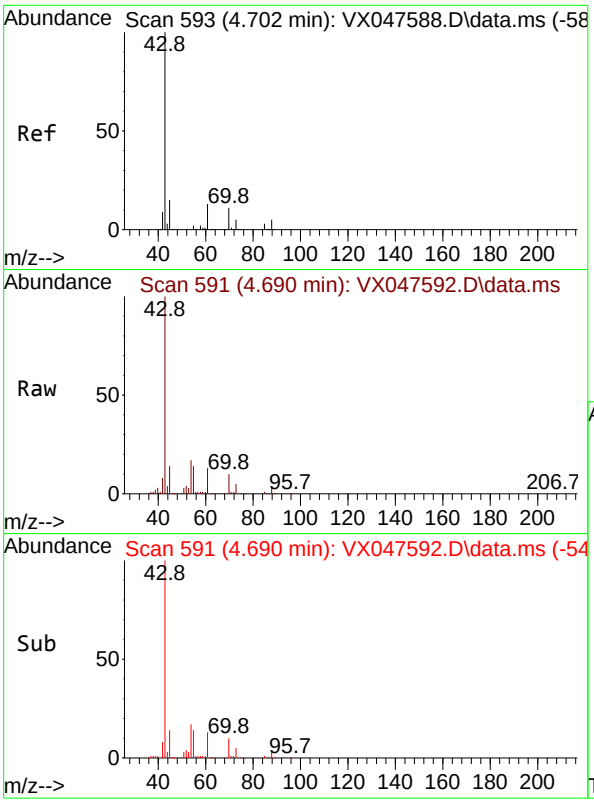


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5



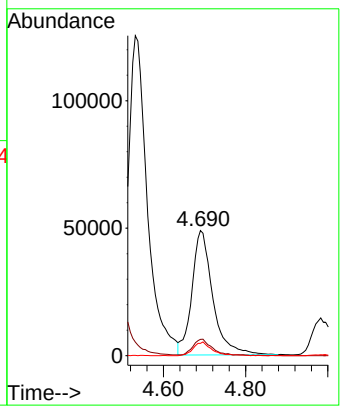


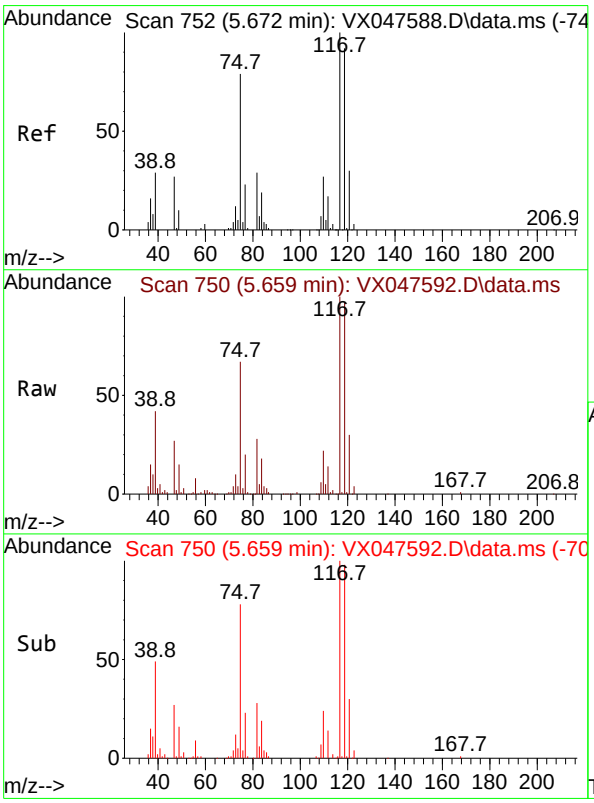
#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 171454

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

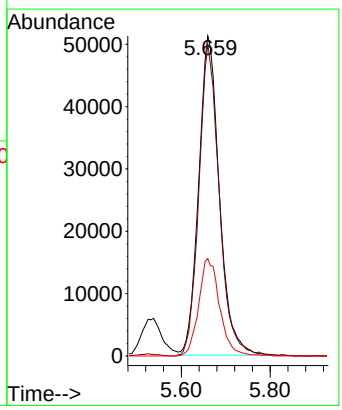


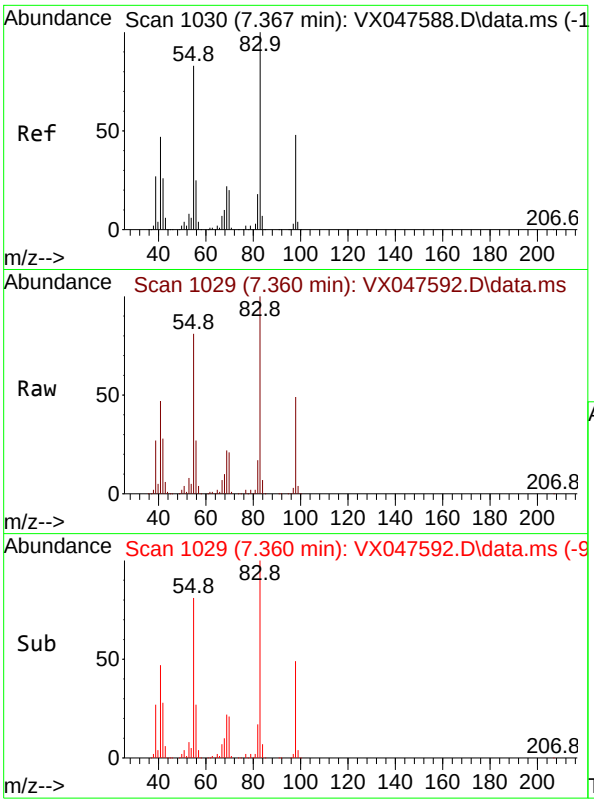


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6



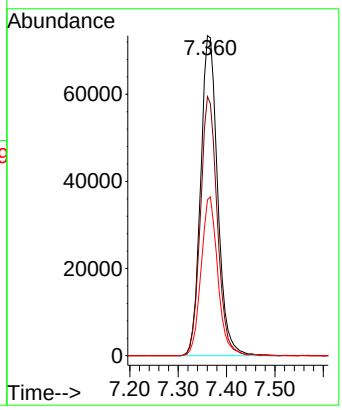


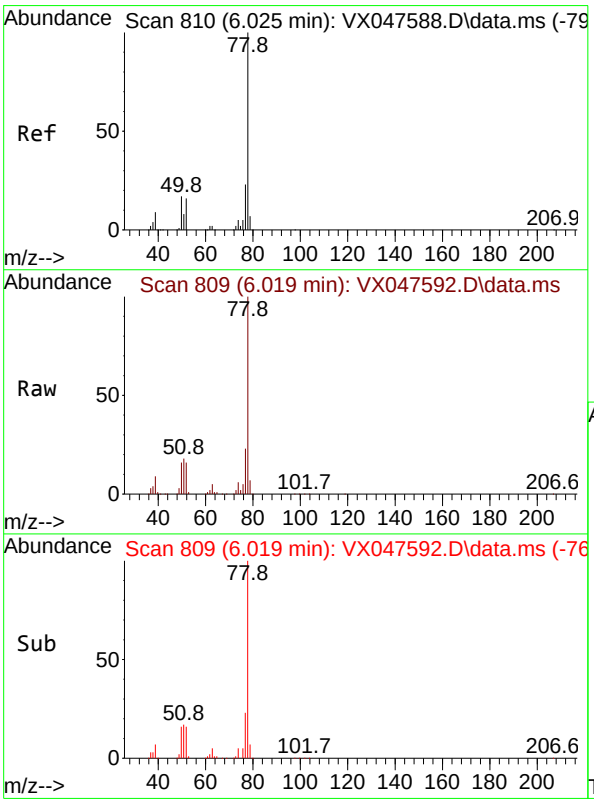
#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 179392

Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1

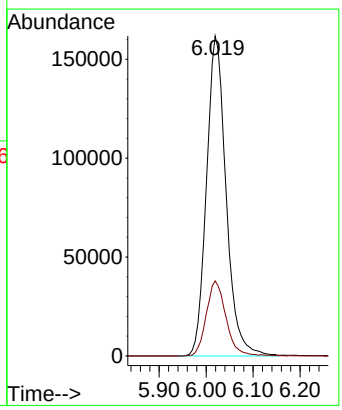


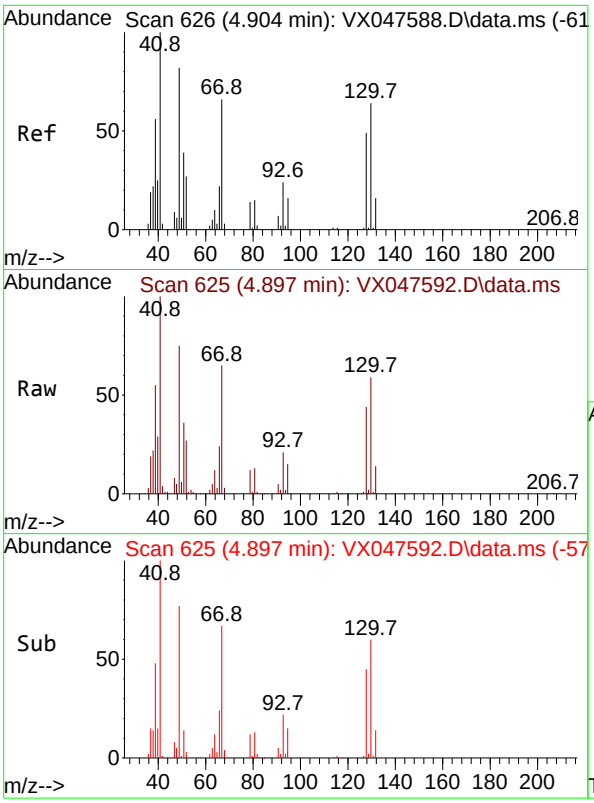


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



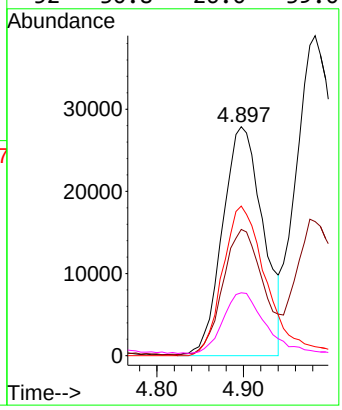


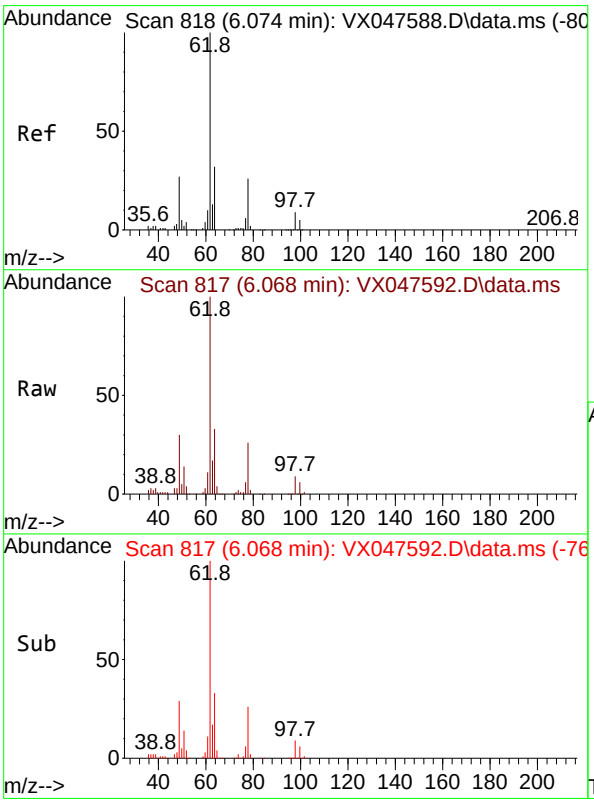
#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 41 Resp: 90758

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0

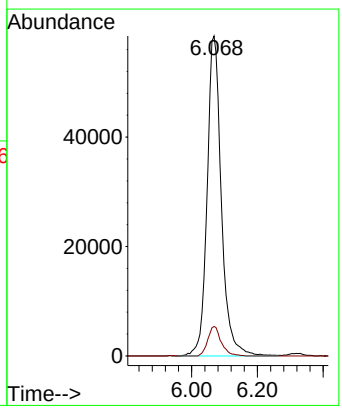


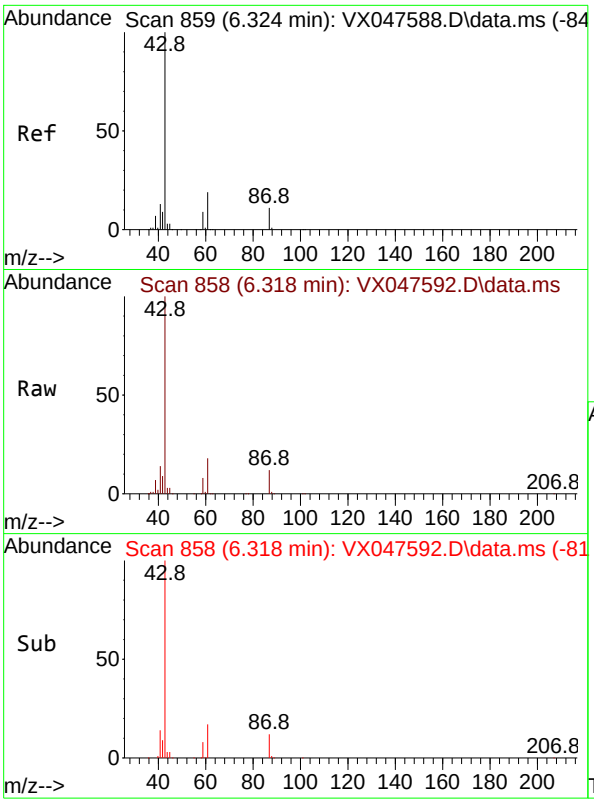


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



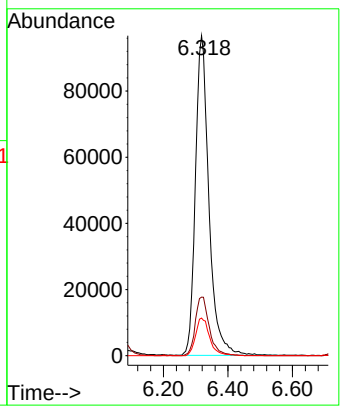


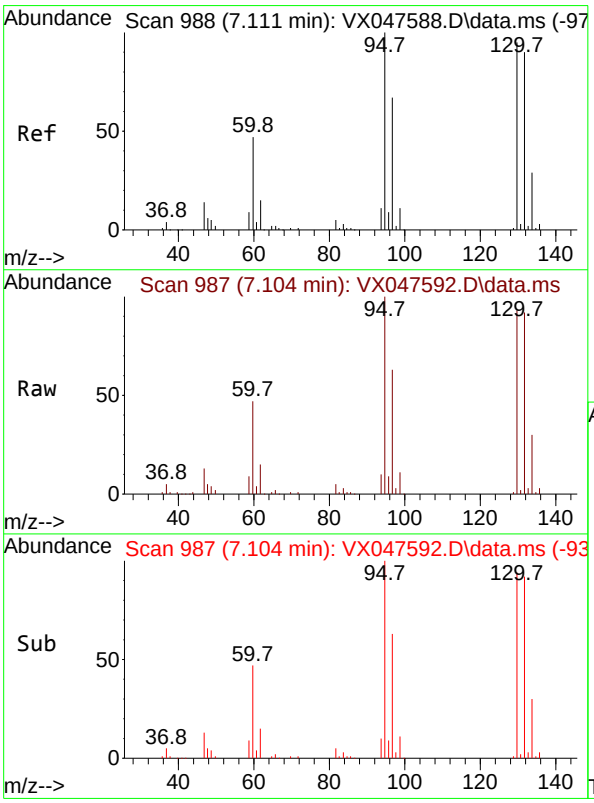
#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 280595

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

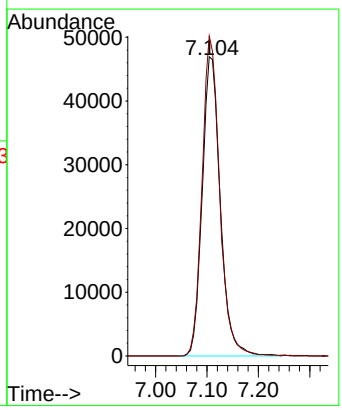


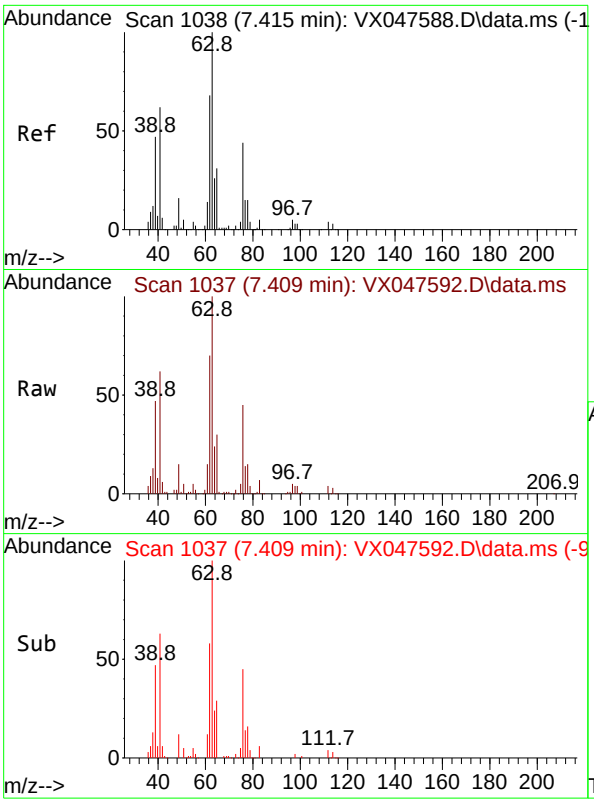


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8



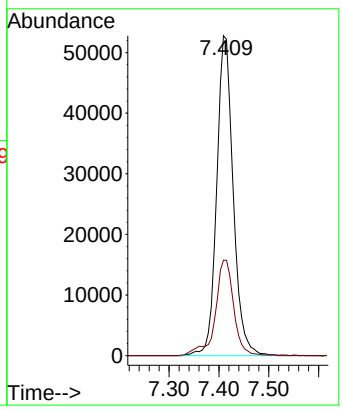


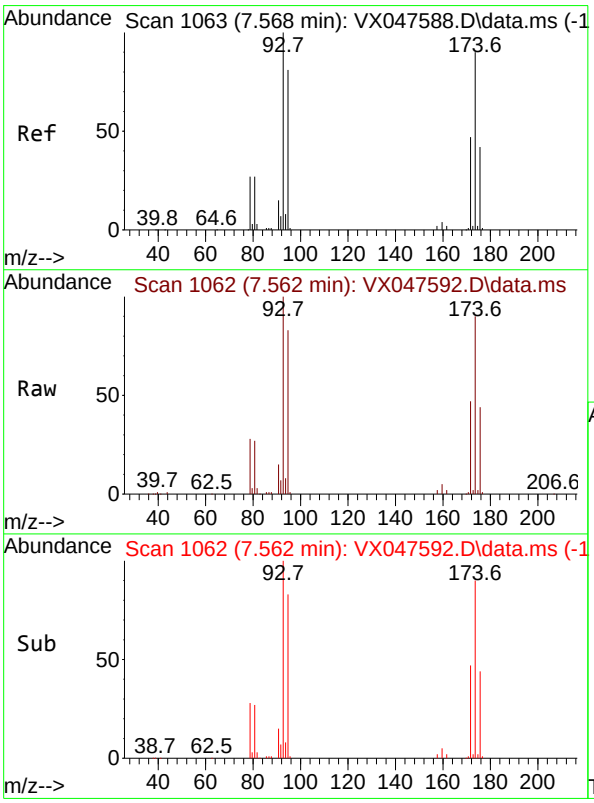
#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 63 Resp: 121532

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

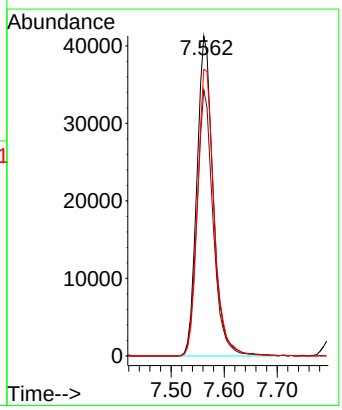


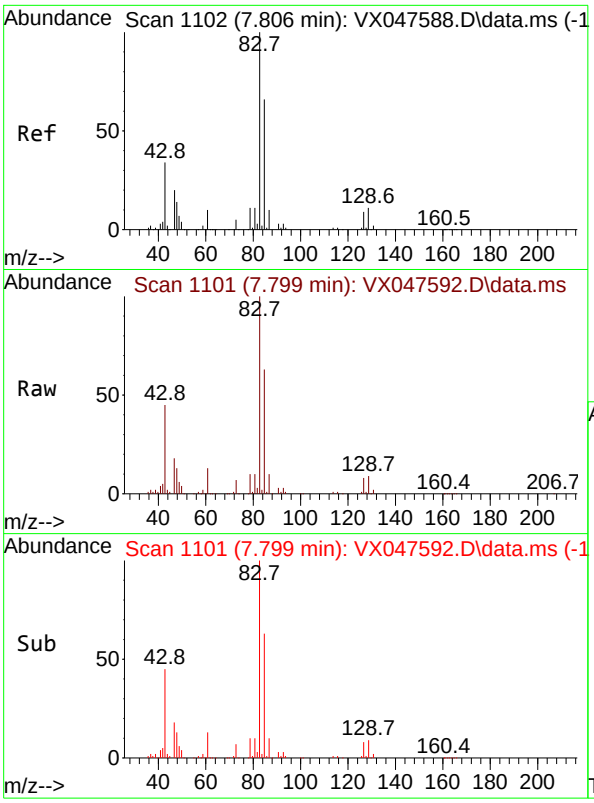


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4



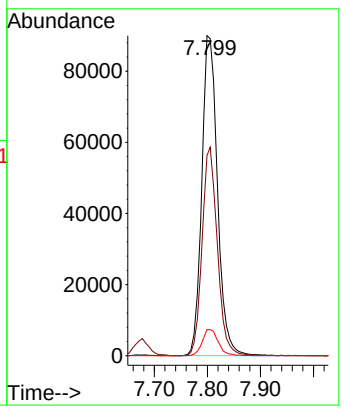


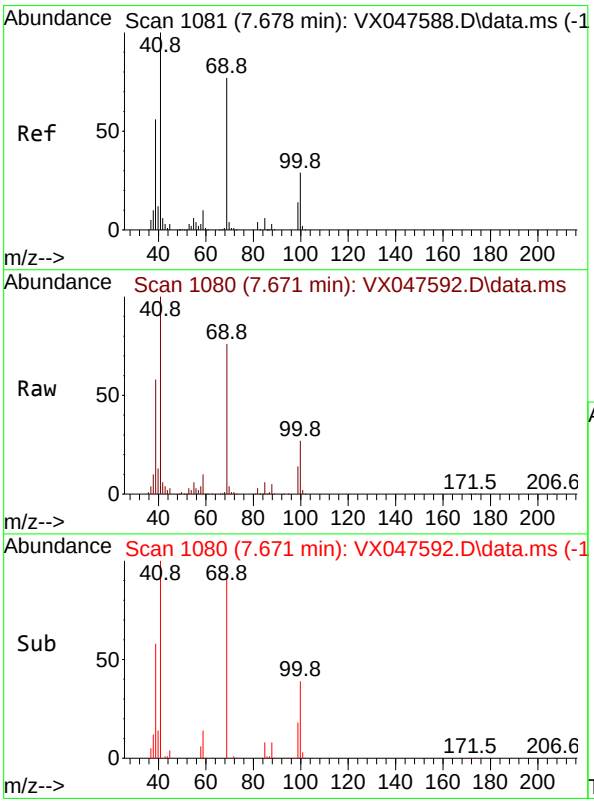
#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 185219

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3

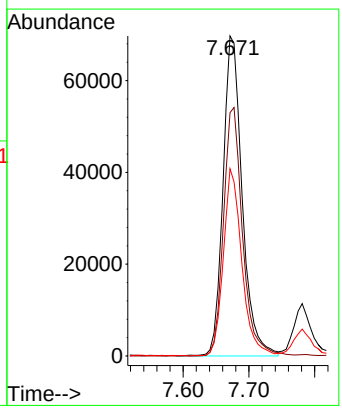


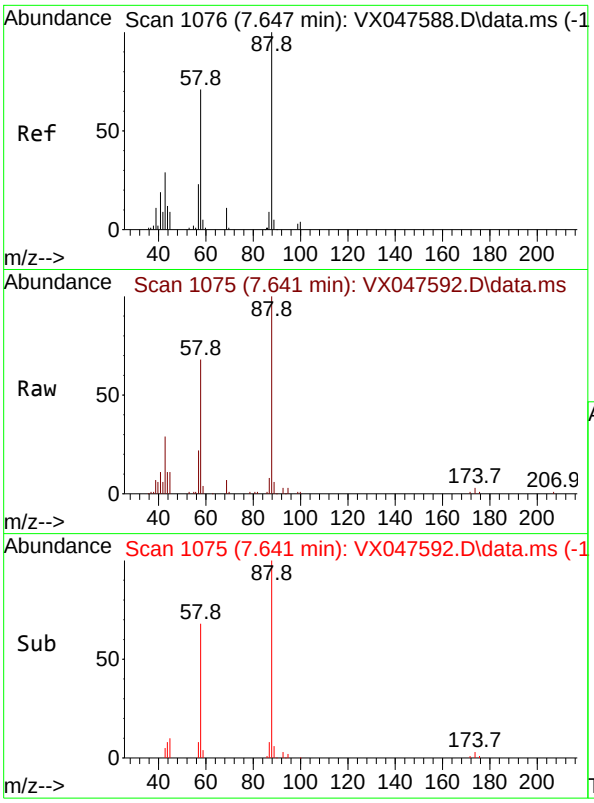


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6



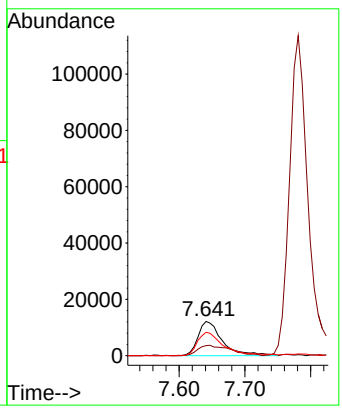


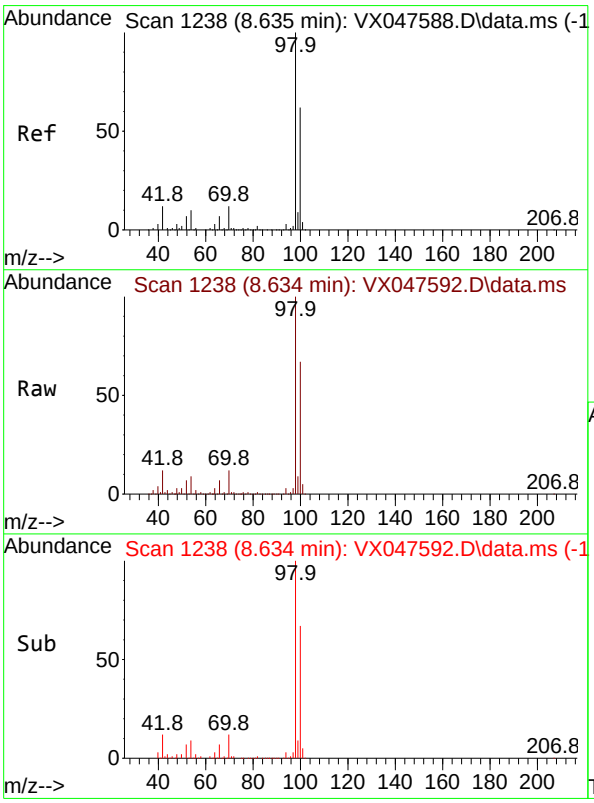
#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 88 Resp: 31320

Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3

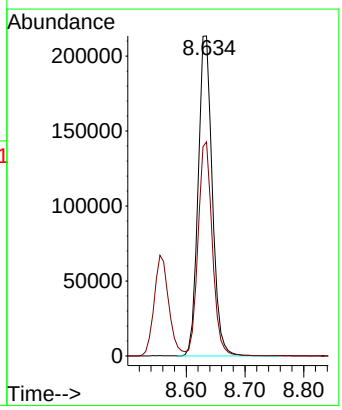


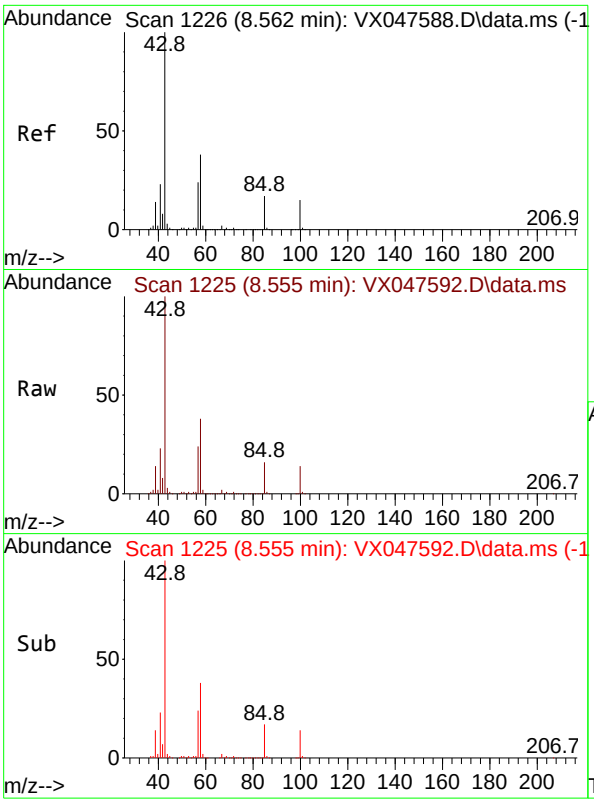


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



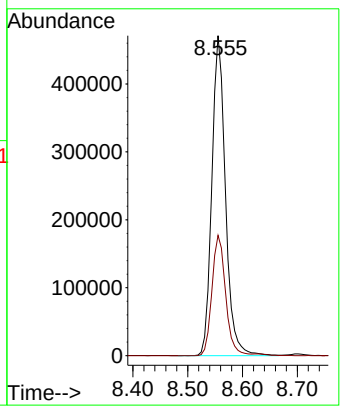


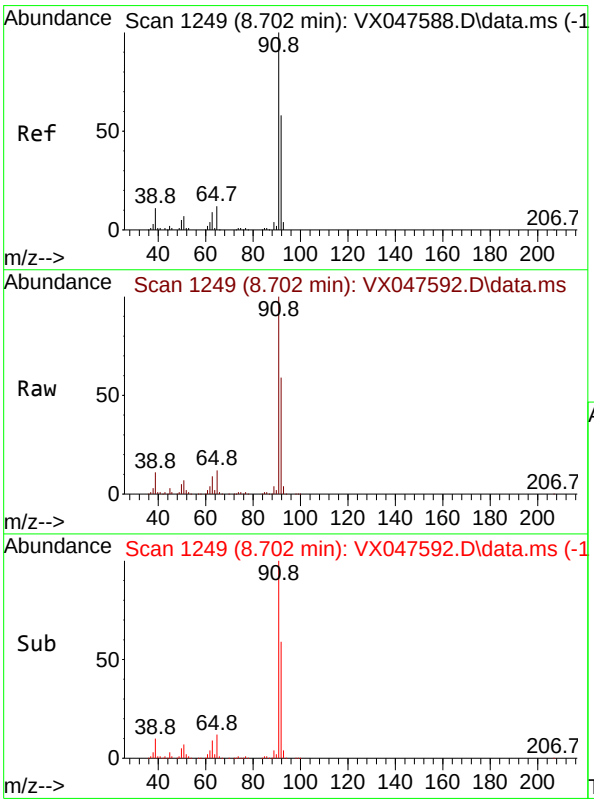
#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 809759

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

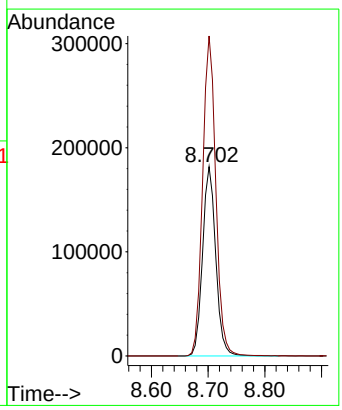


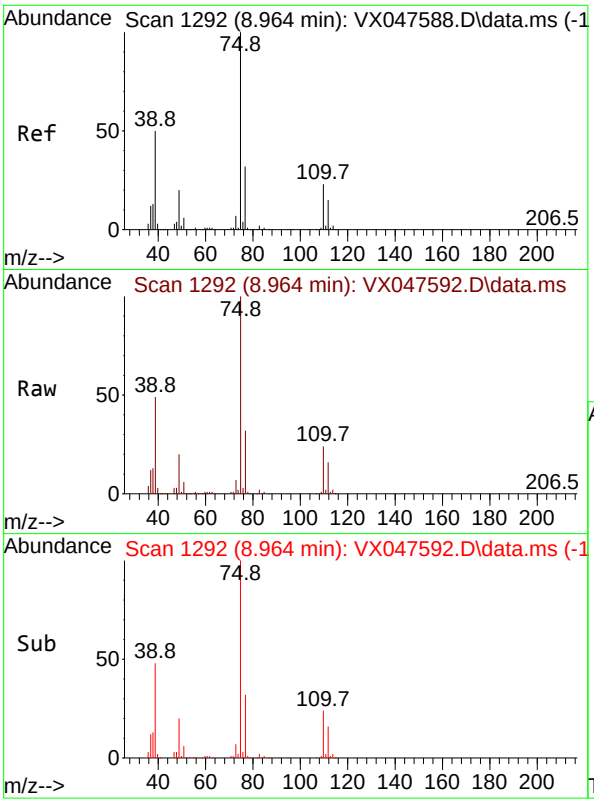


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7



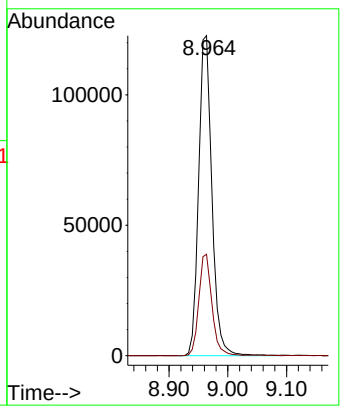


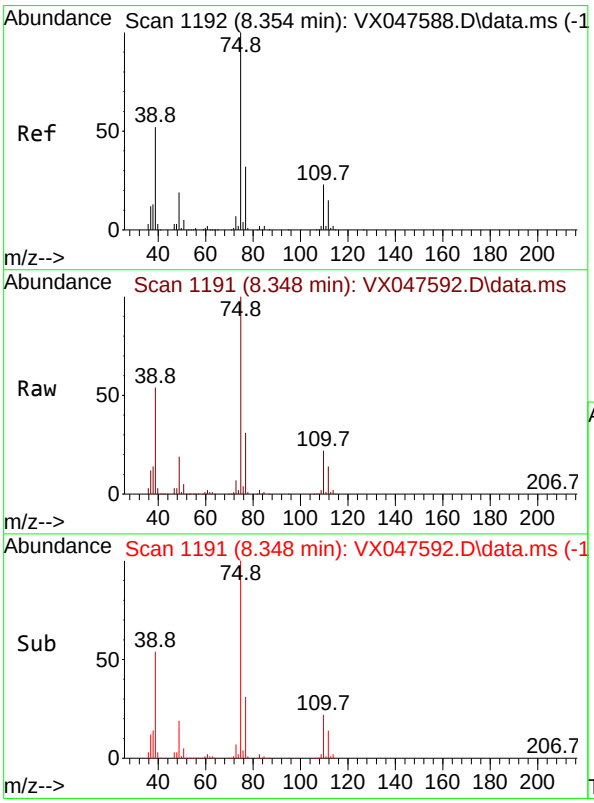
#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 191863

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

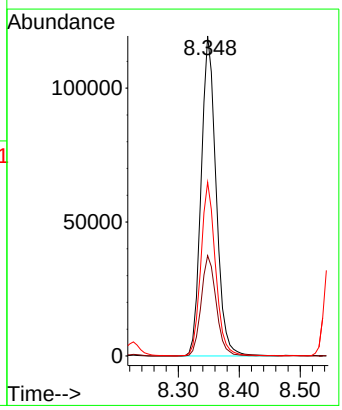


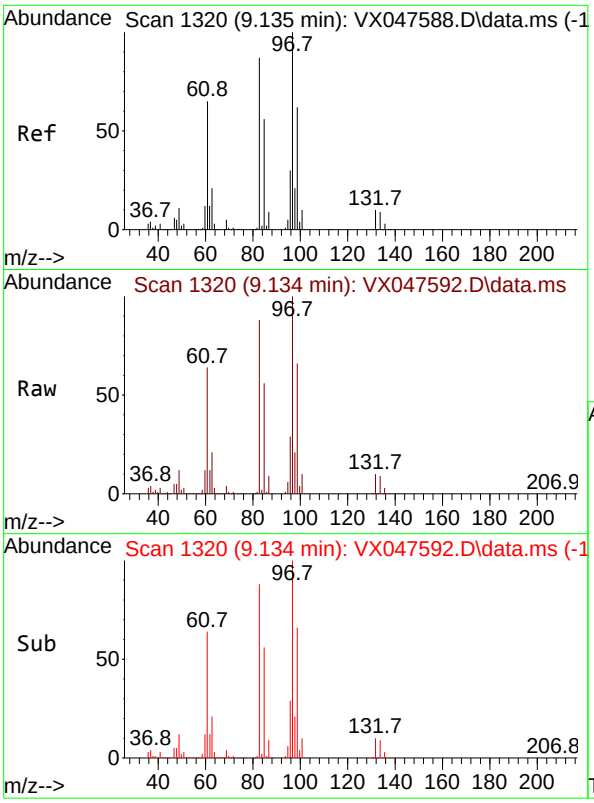


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2



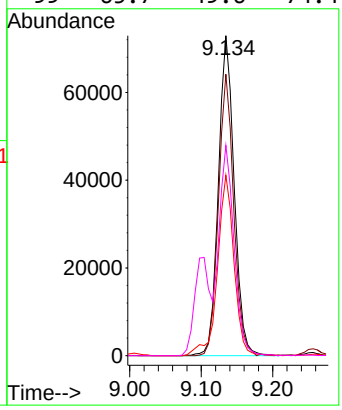


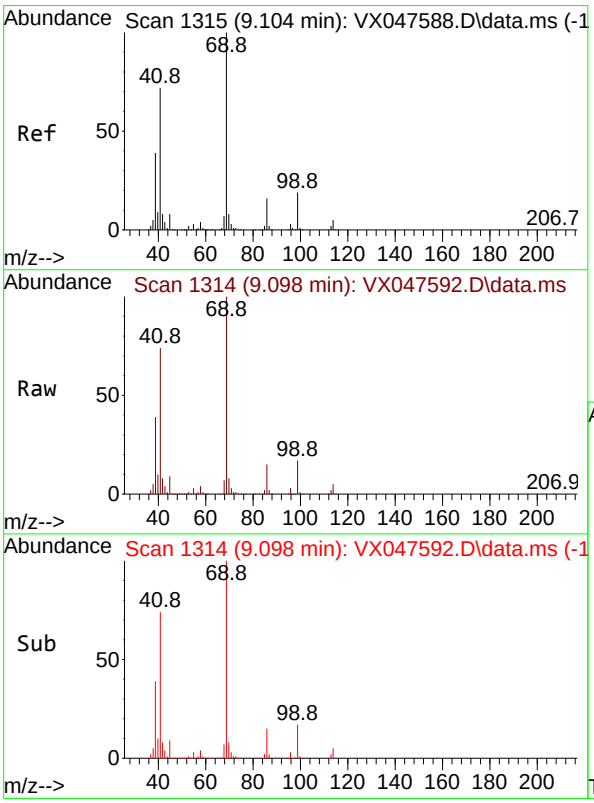
#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 97 Resp: 112094

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4

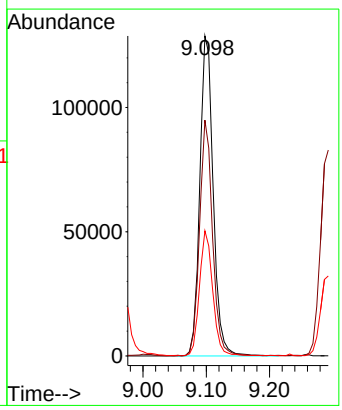


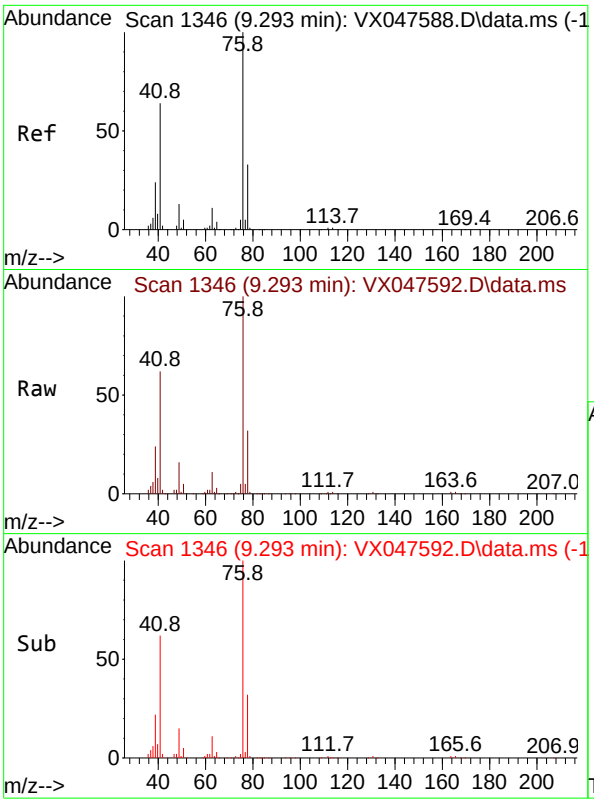


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



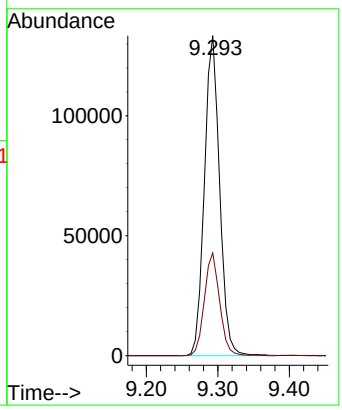


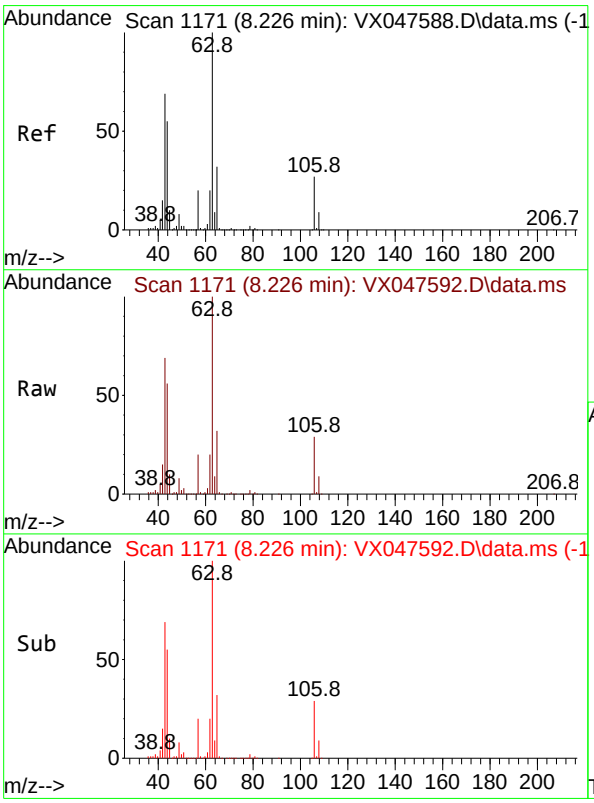
#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 197079

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

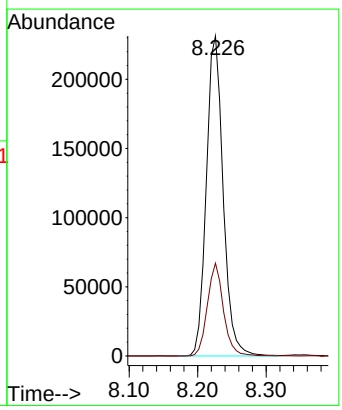


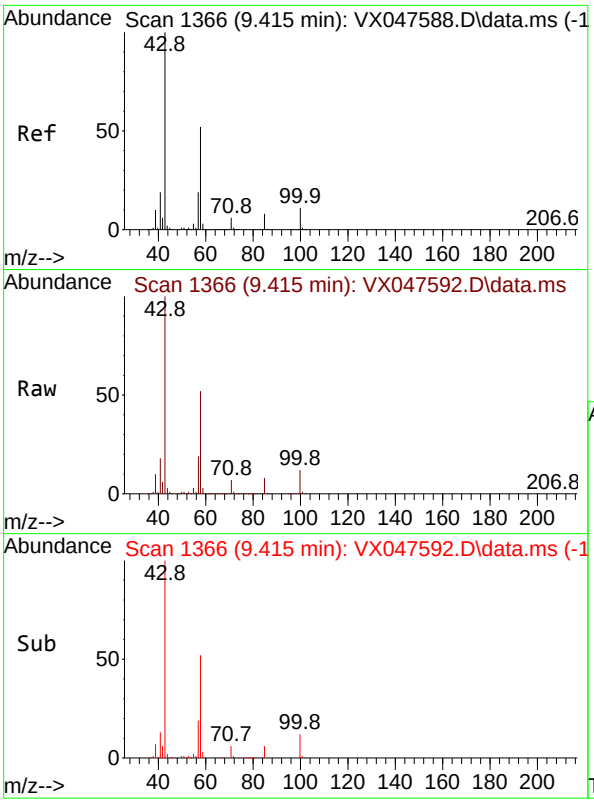


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



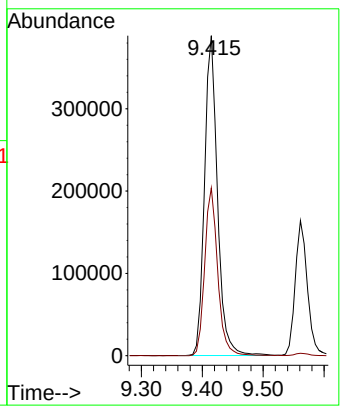


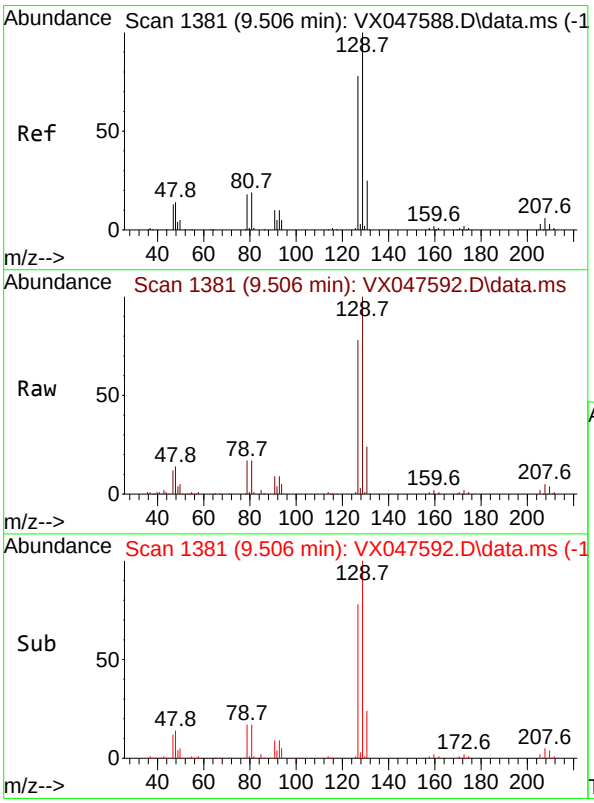
#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 575599

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

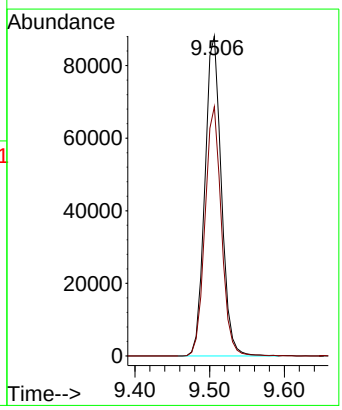


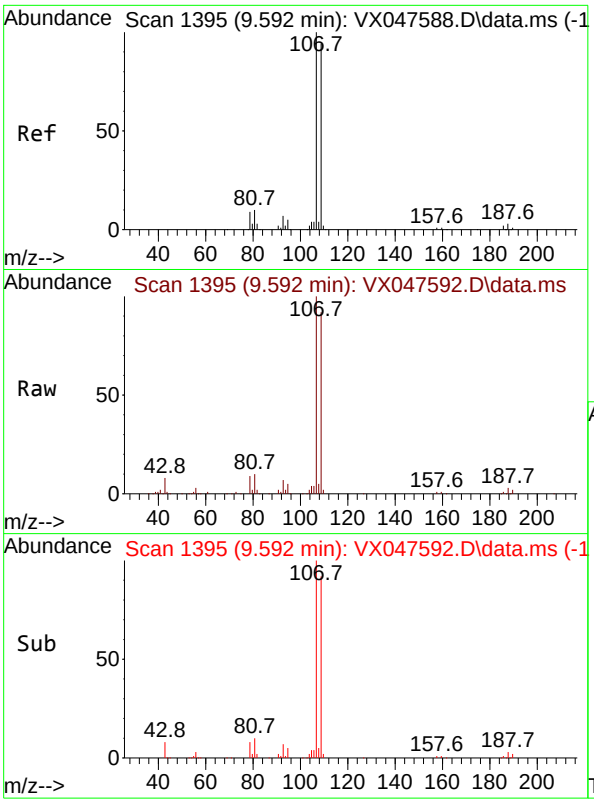


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



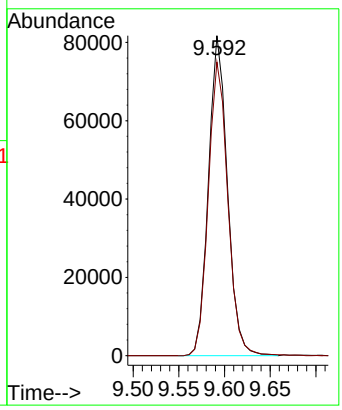


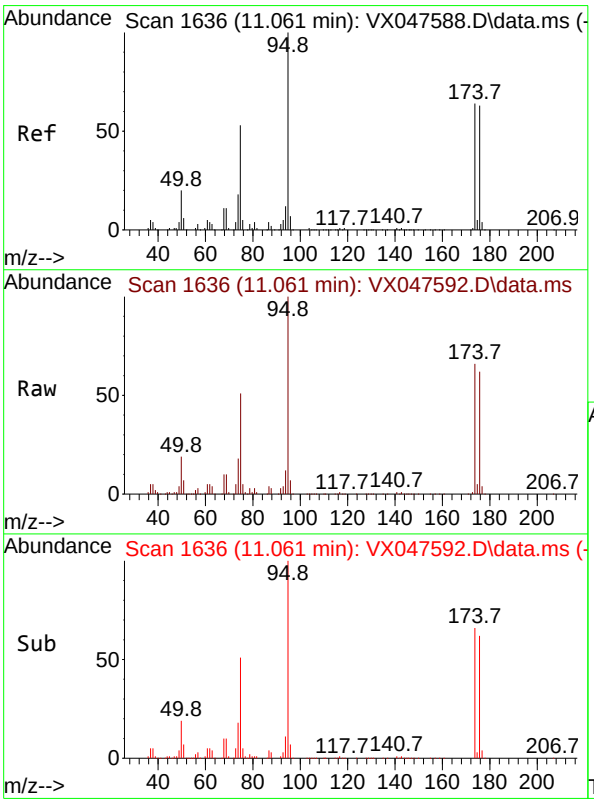
#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:107 Resp: 117817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

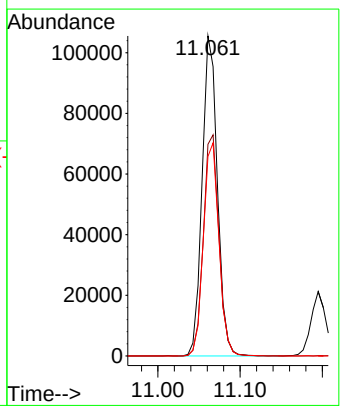


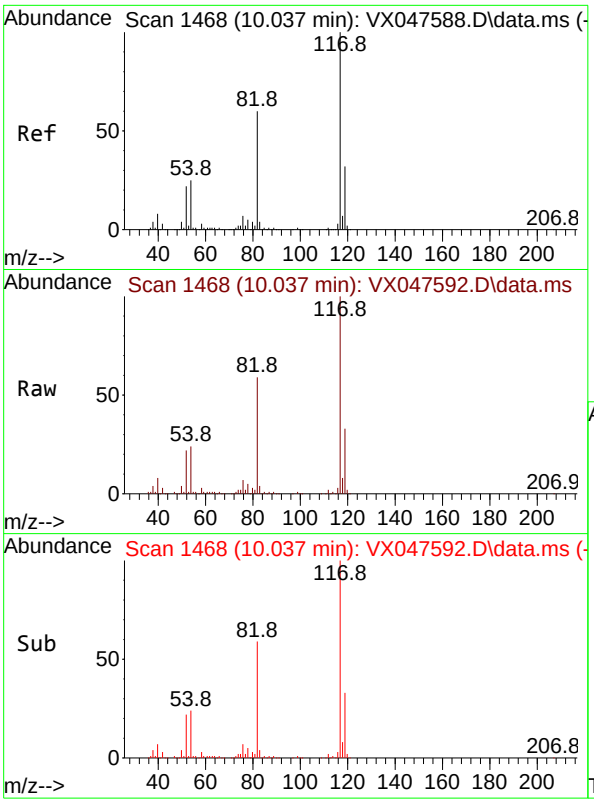


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4



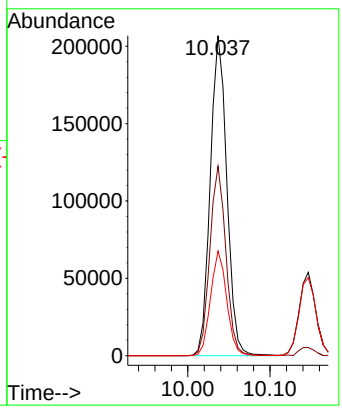


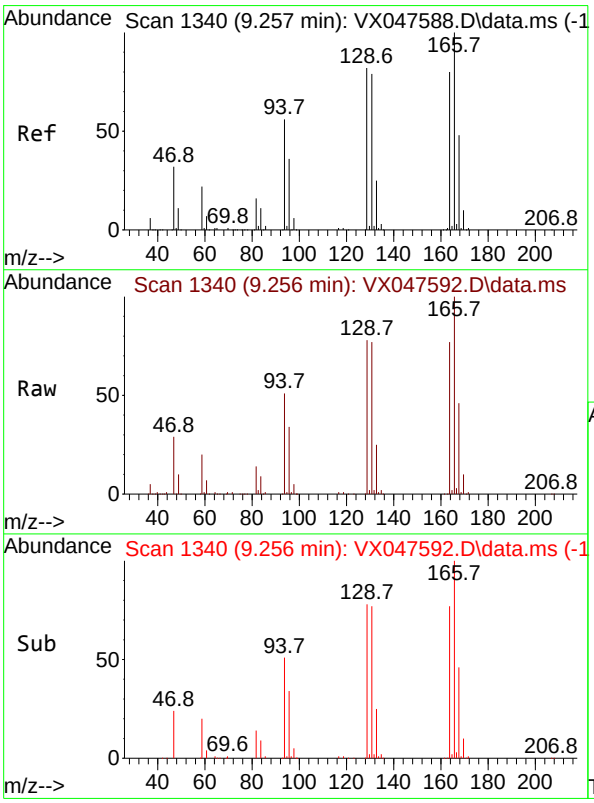
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:117 Resp: 288660

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8

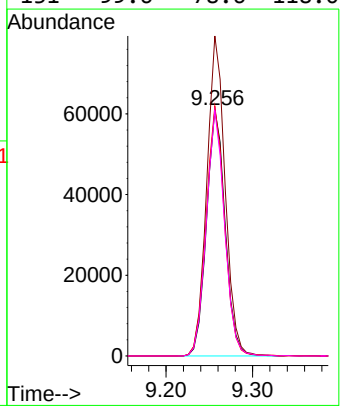


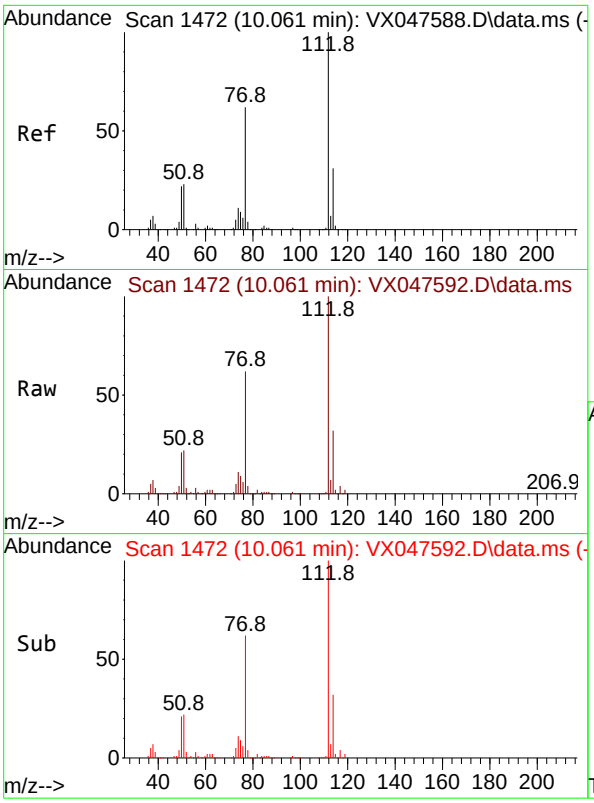


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0



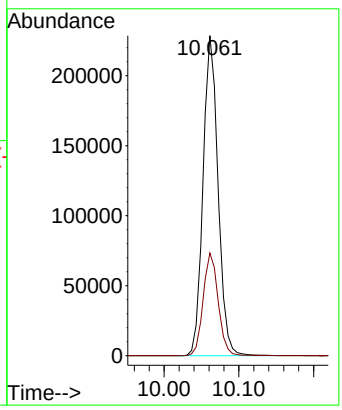


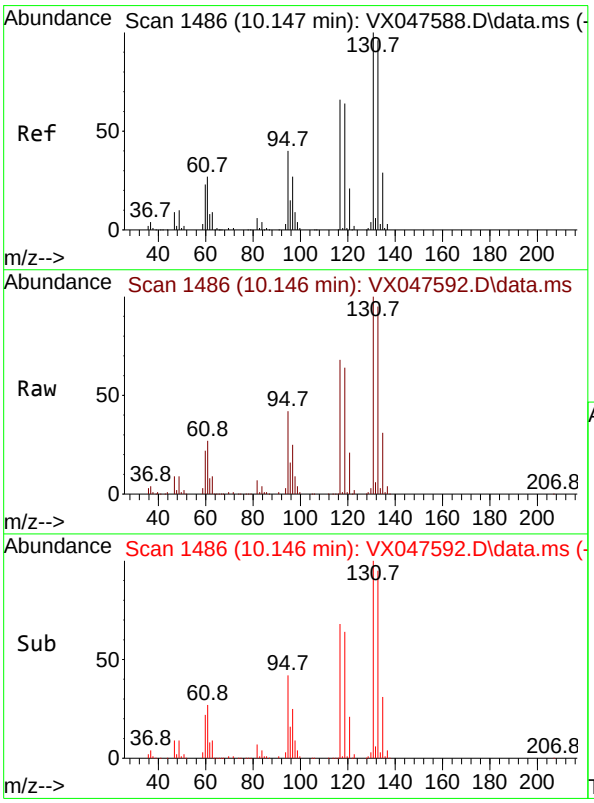
#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:112 Resp: 318372

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

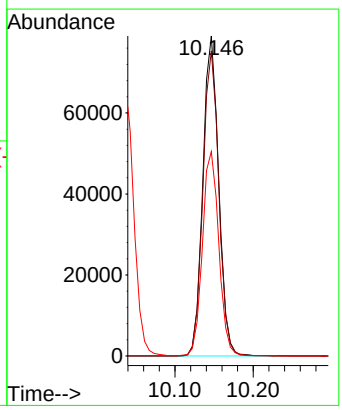


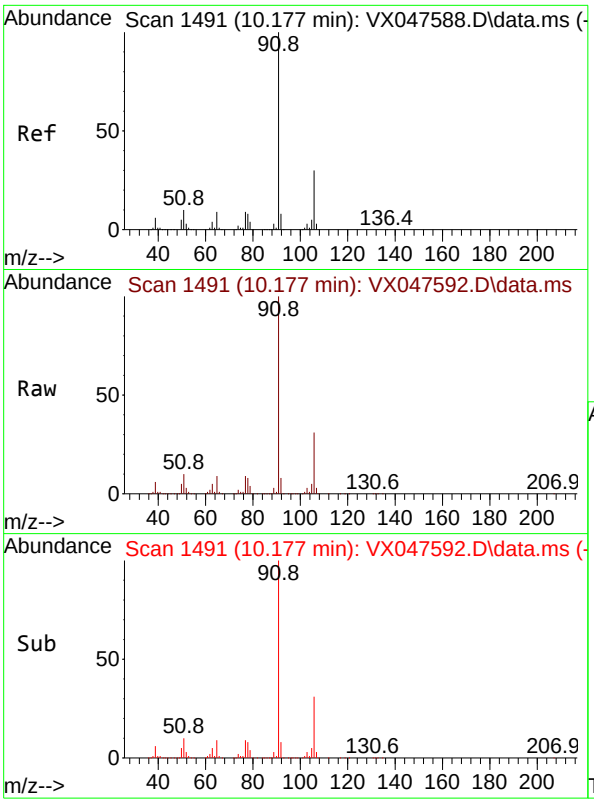


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0



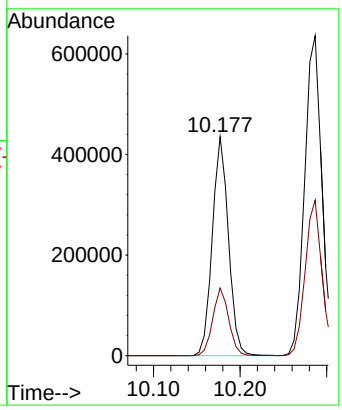


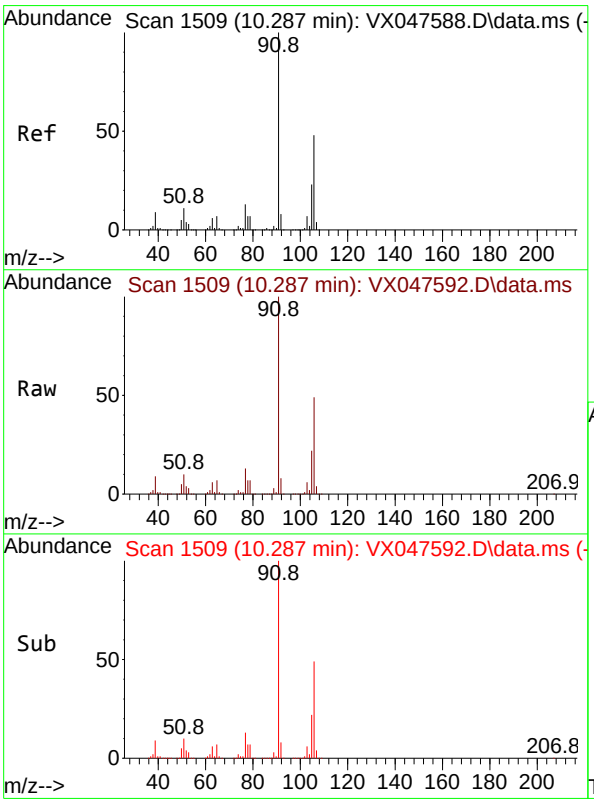
#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 563634

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

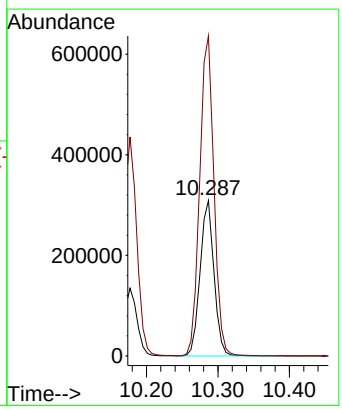


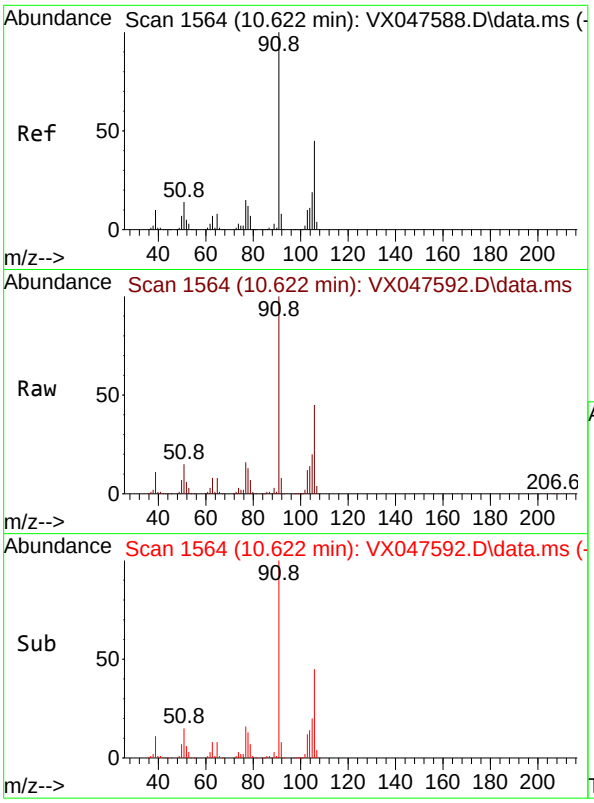


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8



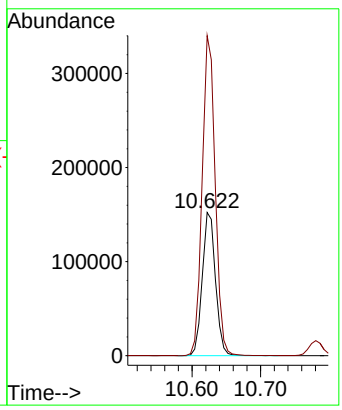


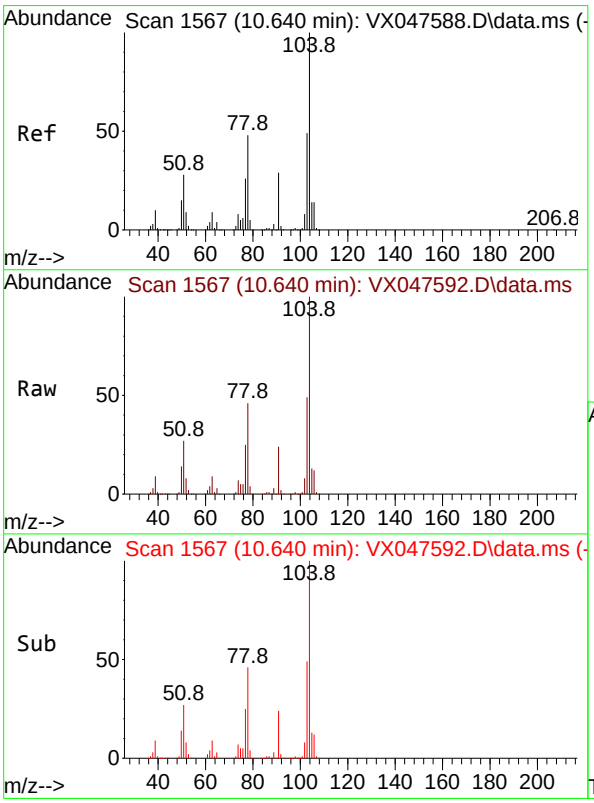
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:106 Resp: 204323

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

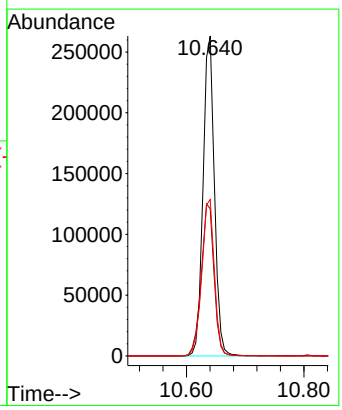


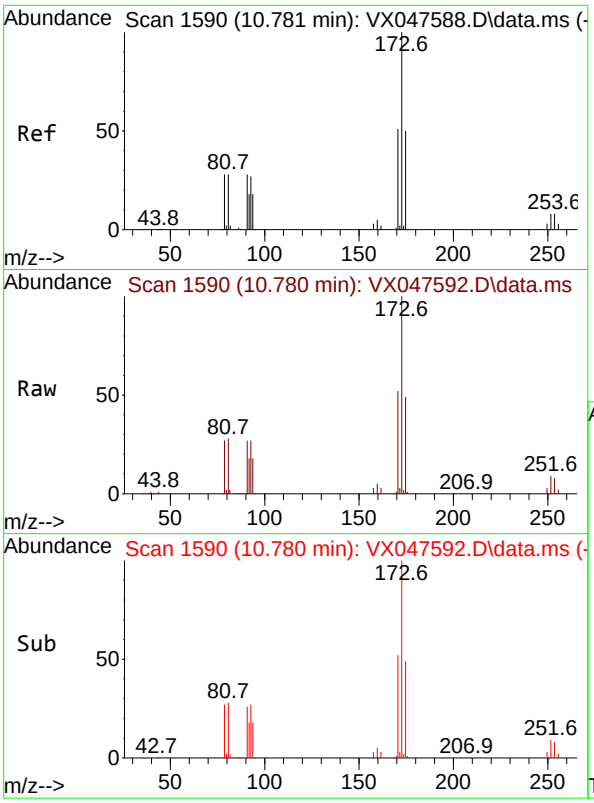


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7



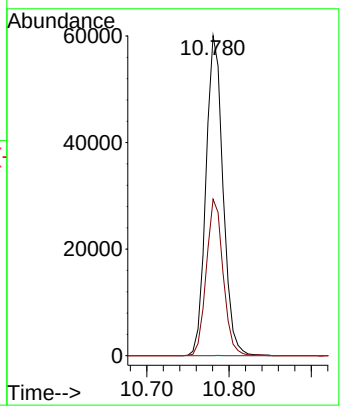


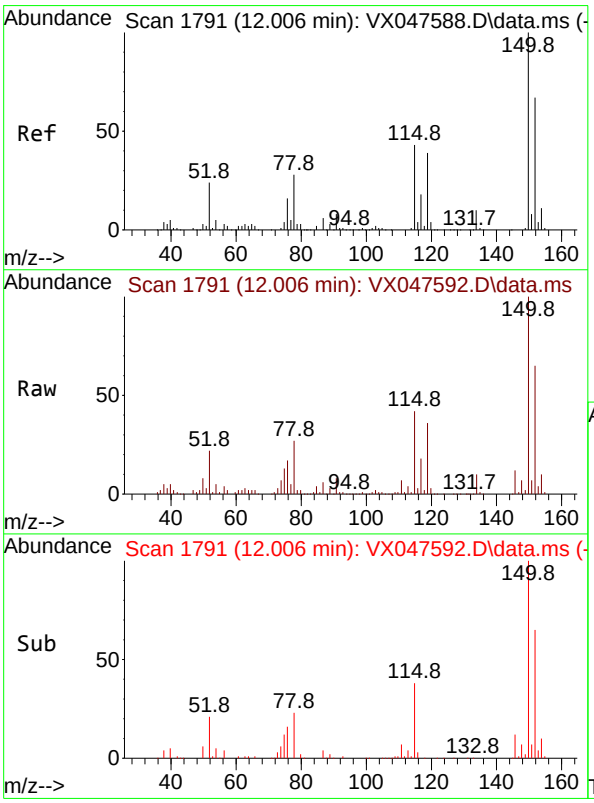
#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:173 Resp: 86524

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1#

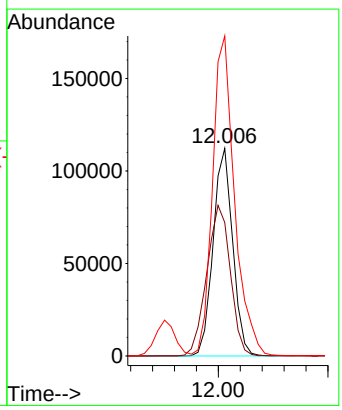


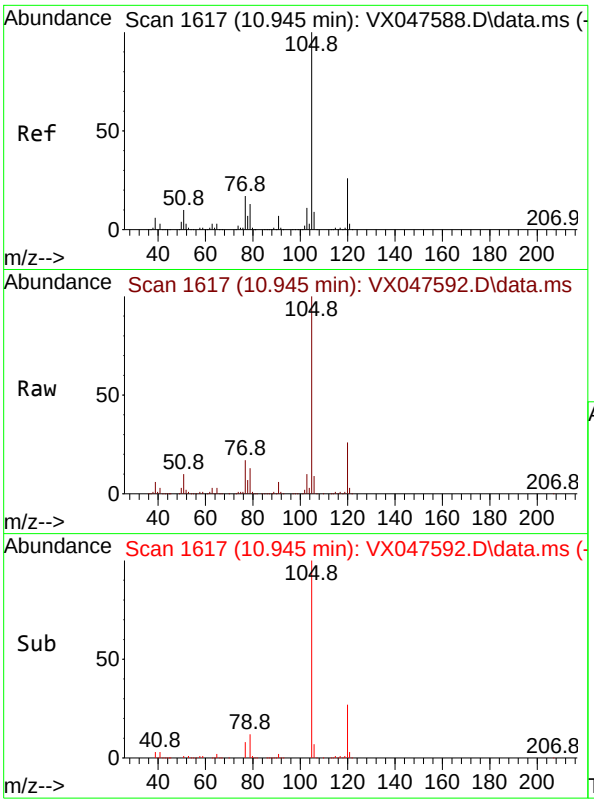


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0



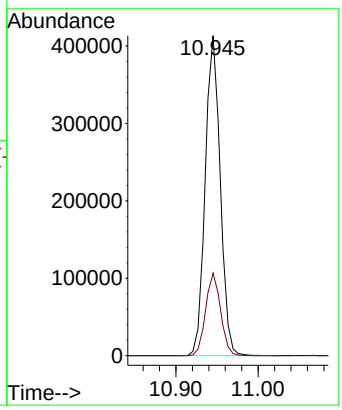


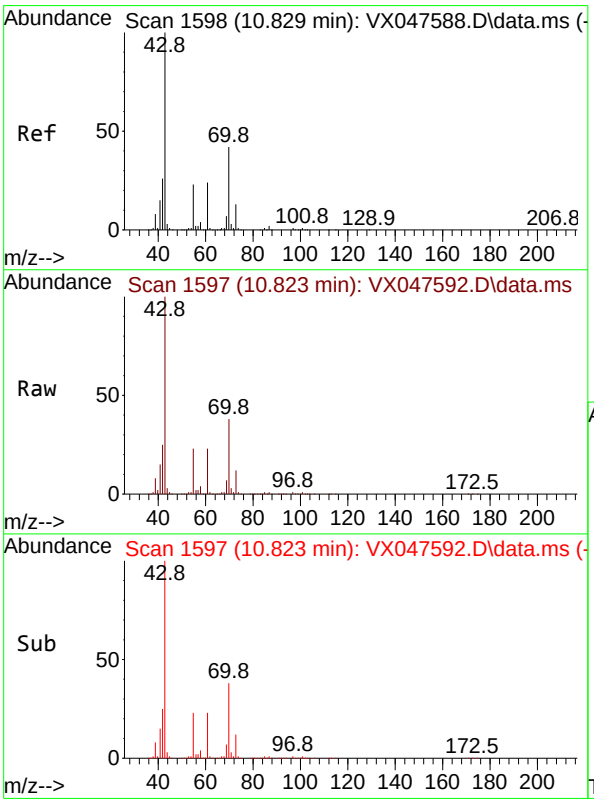
#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 523826

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

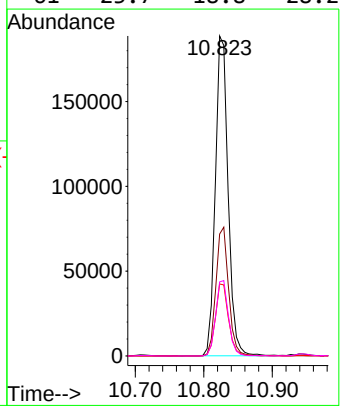


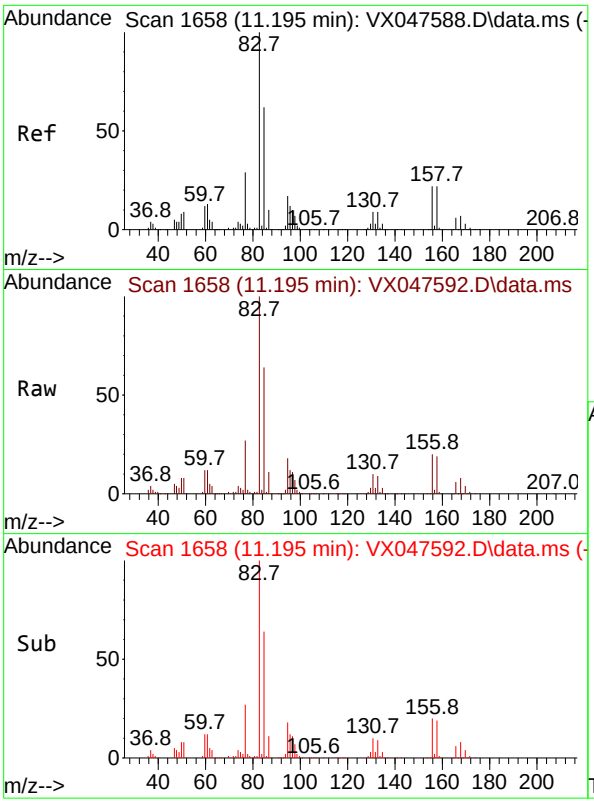


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2



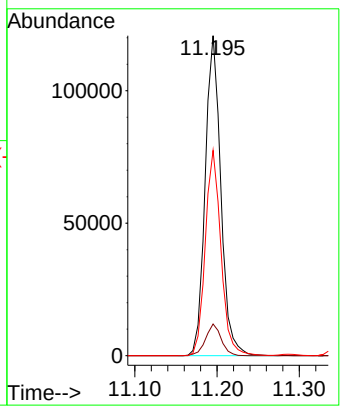


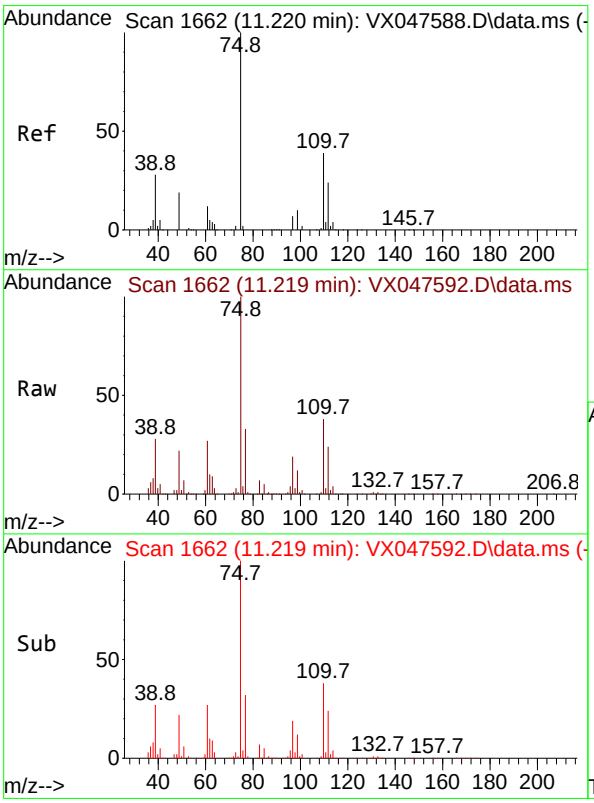
#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 159676

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0

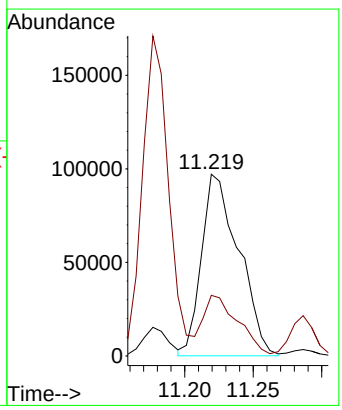


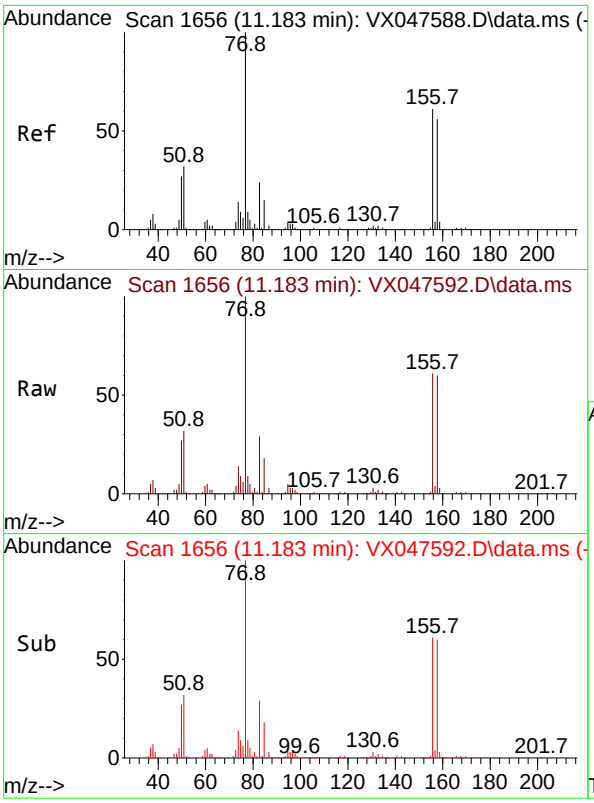


#76
1,2,3-Trichloropropane
Concen: 65.262 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 184000

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



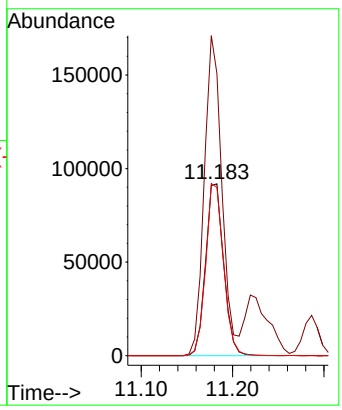


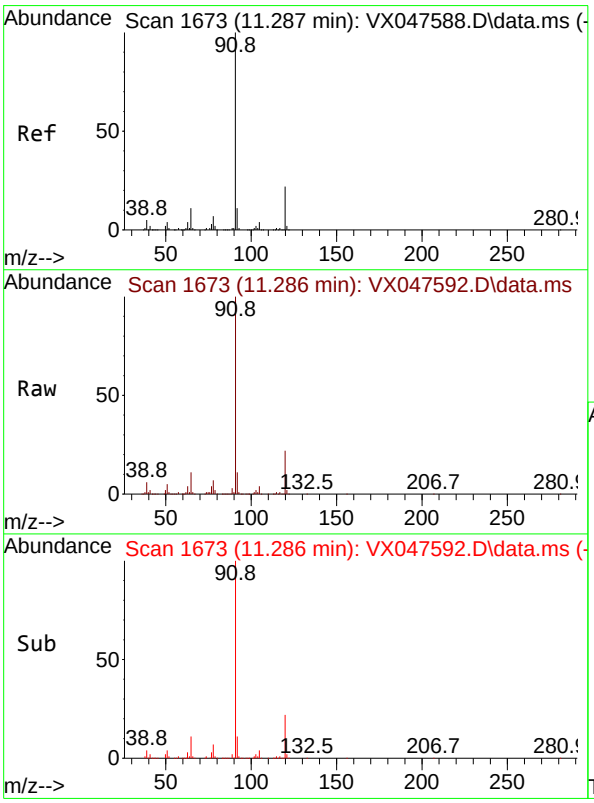
#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:156 Resp: 125610

Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6

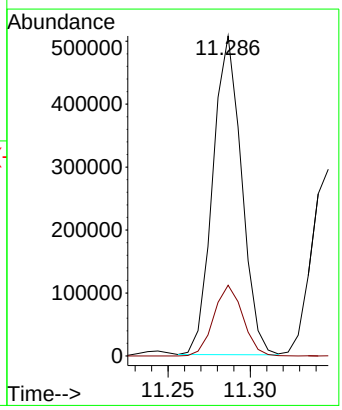


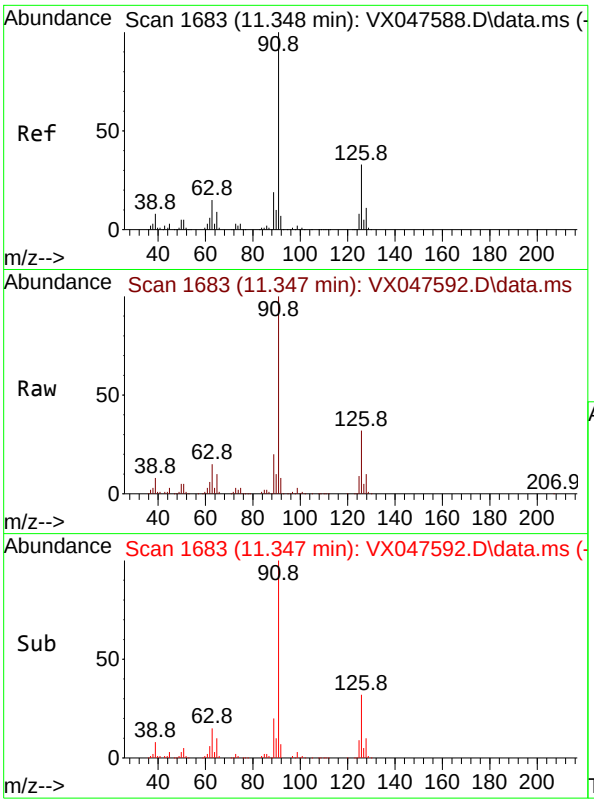


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



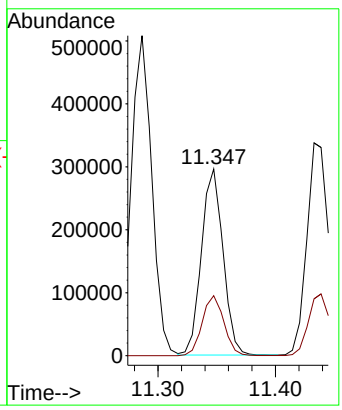


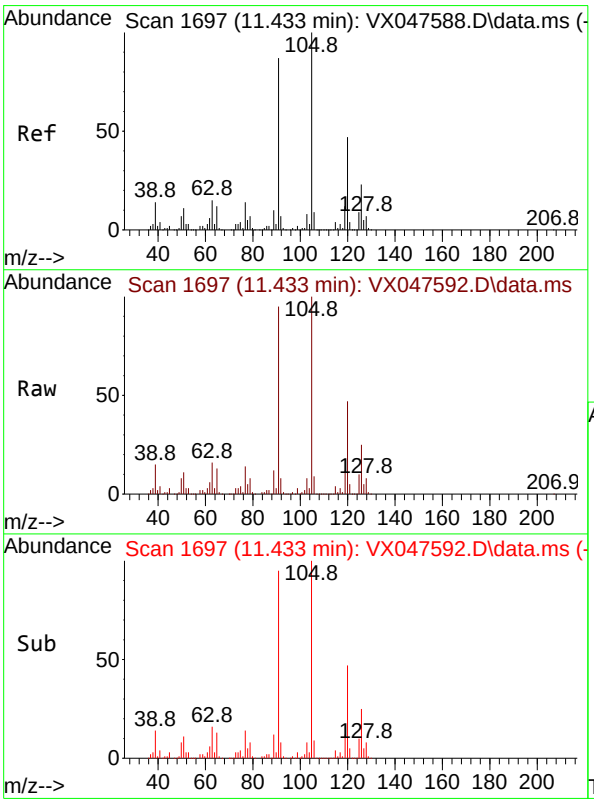
#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 376486

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

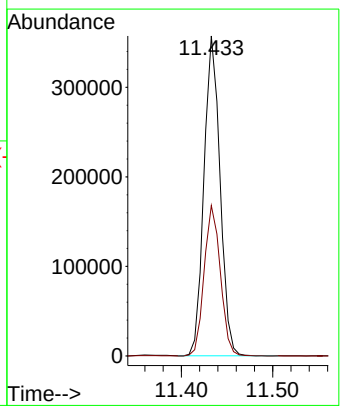


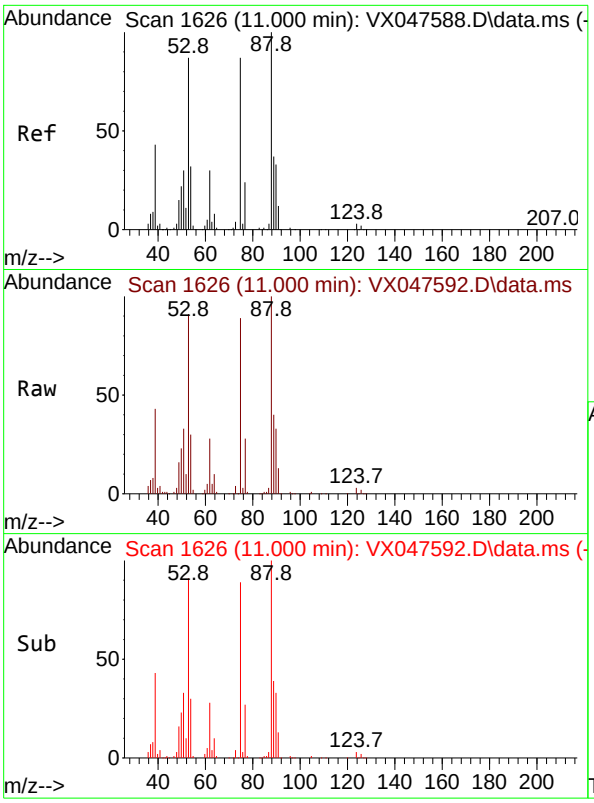


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



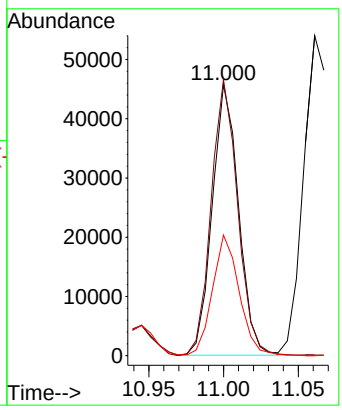


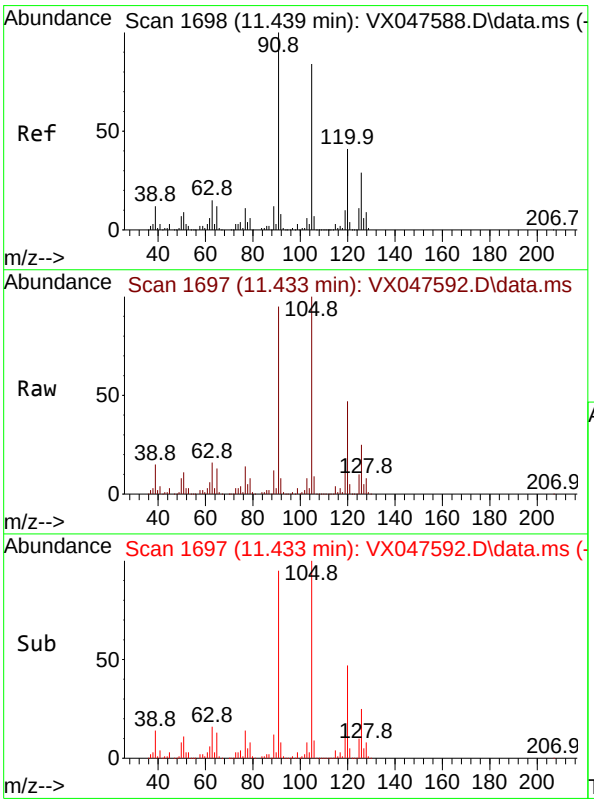
#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 55880

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5

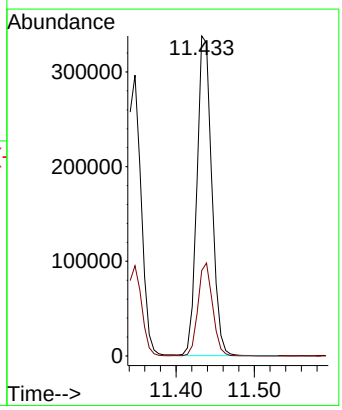


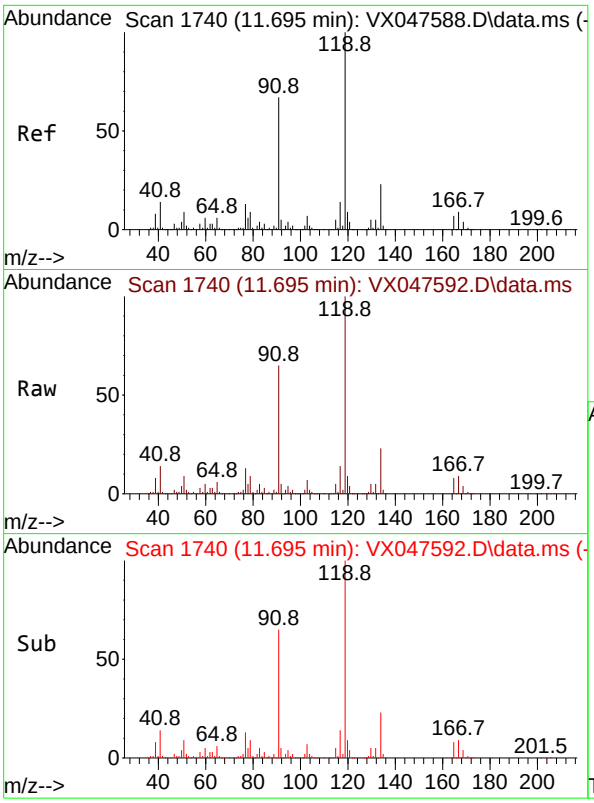


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



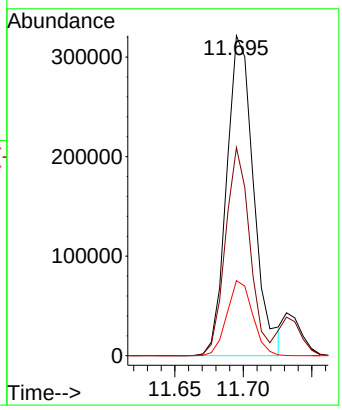


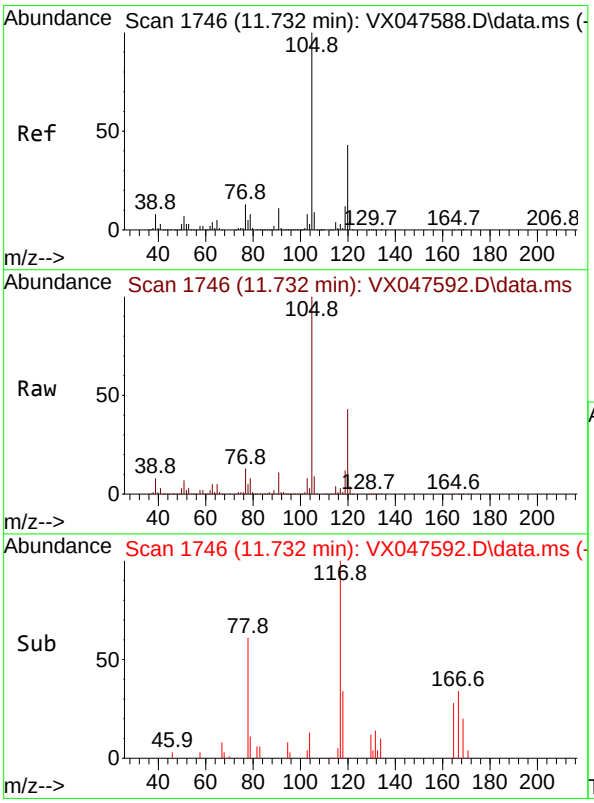
#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:119 Resp: 442341

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

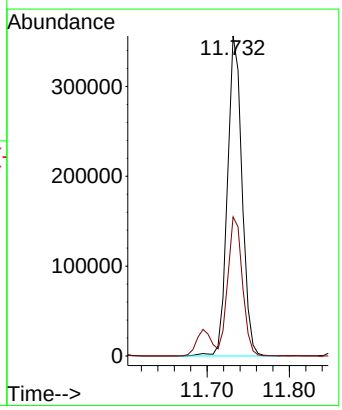


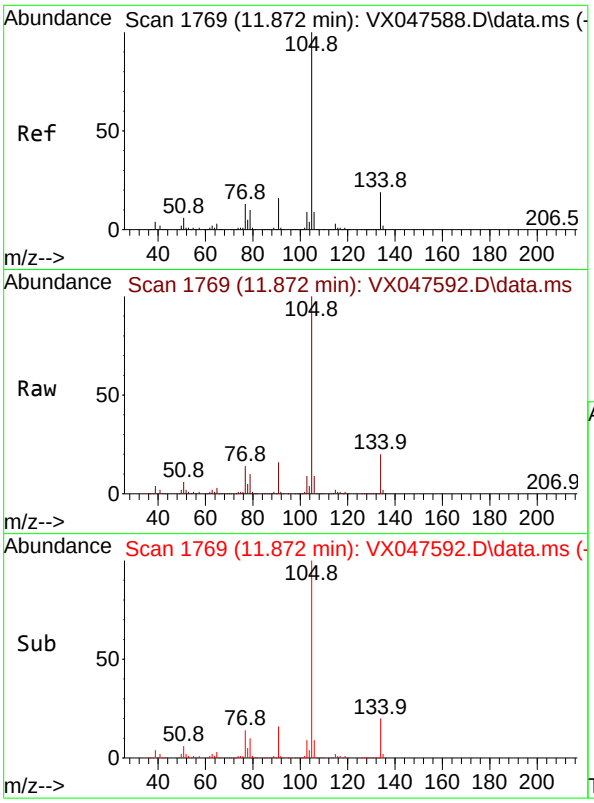


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



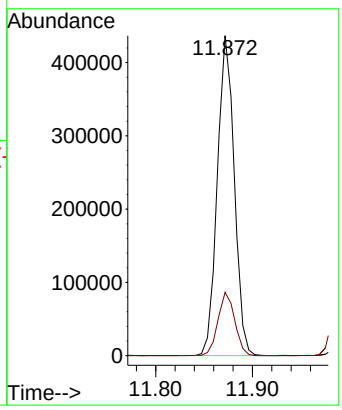


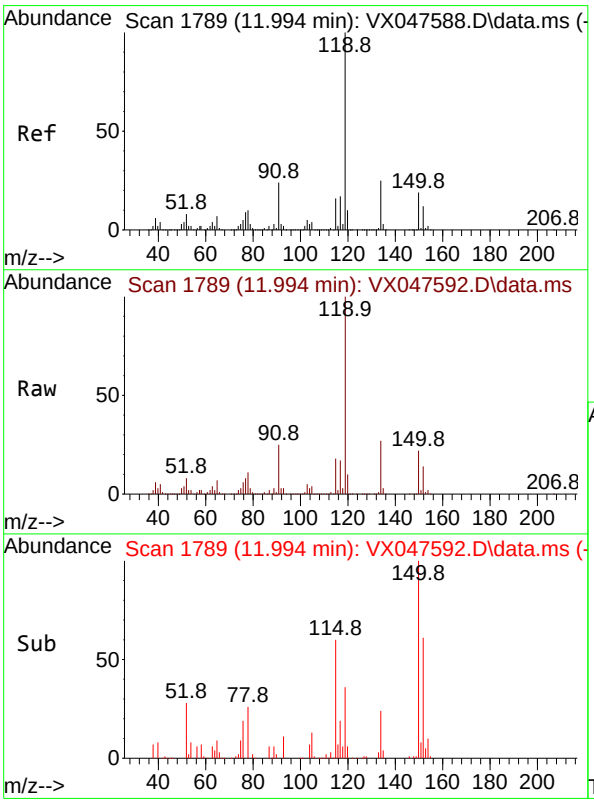
#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 529869

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

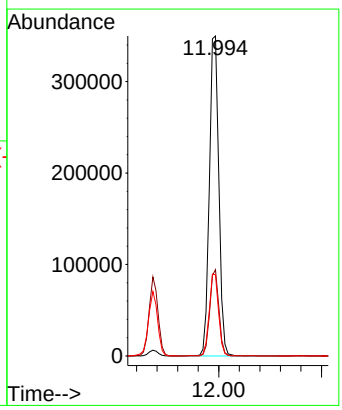


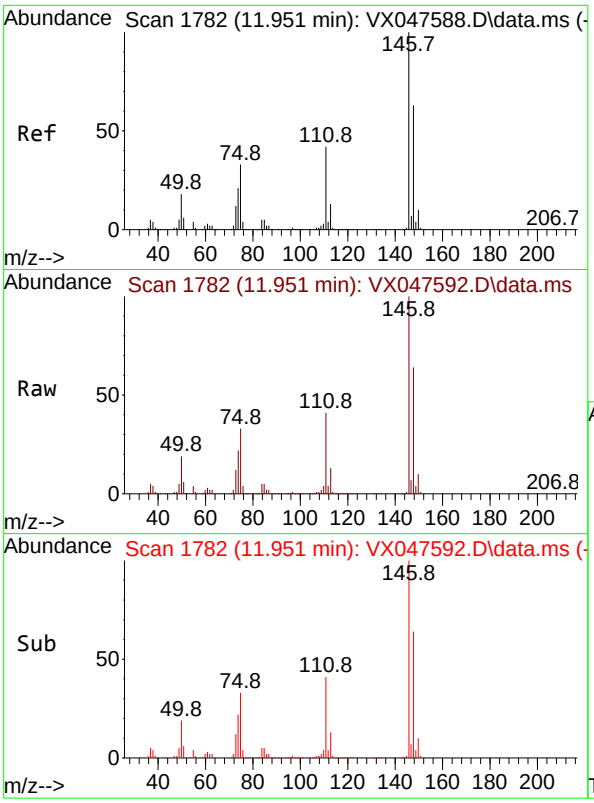


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6



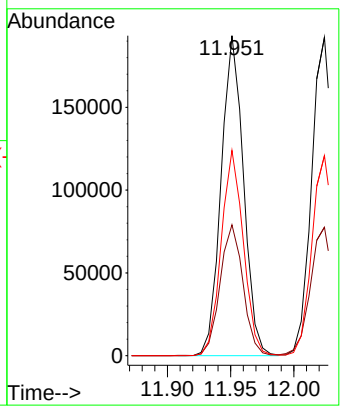


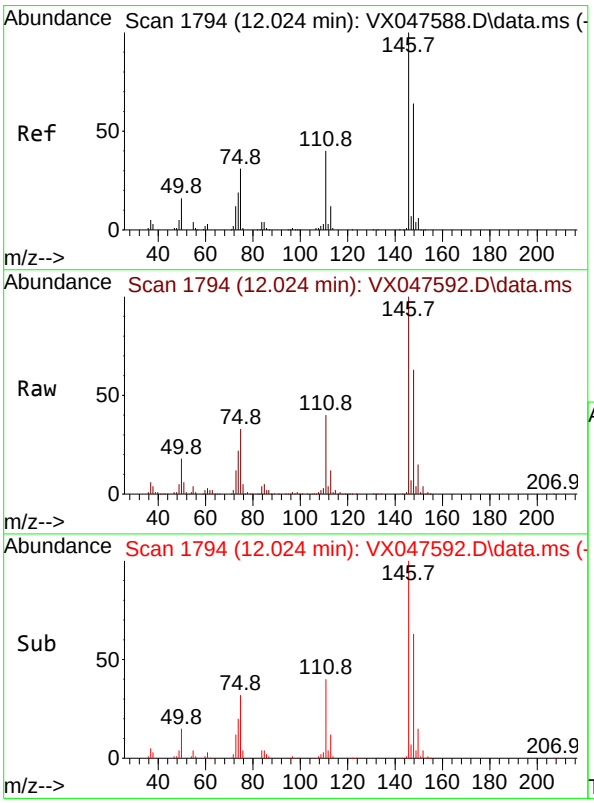
#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 237383

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0

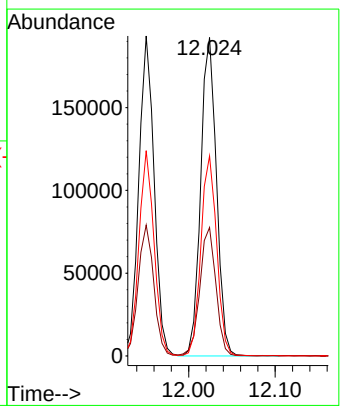


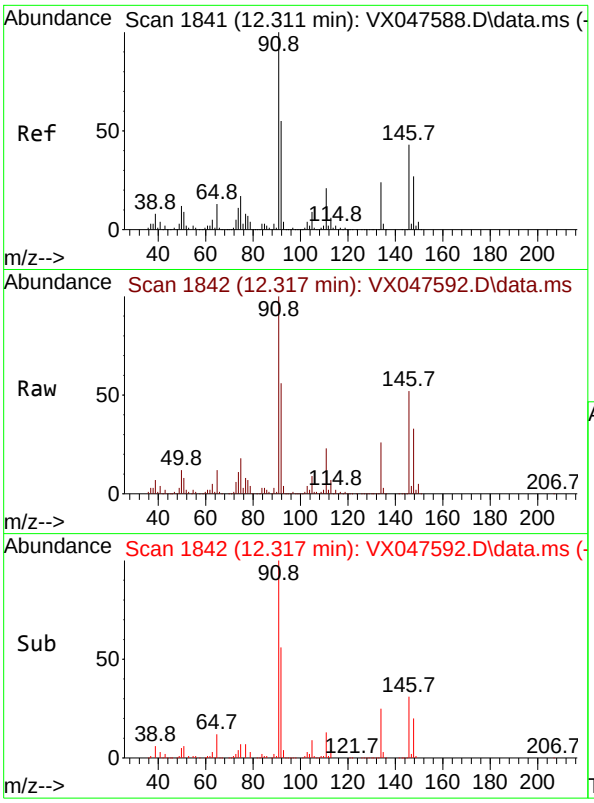


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1



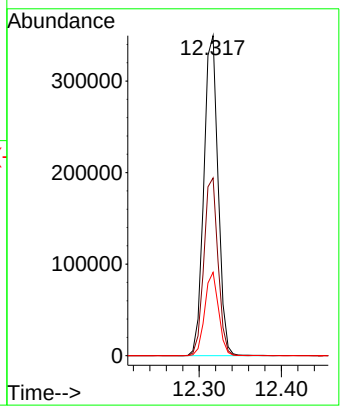


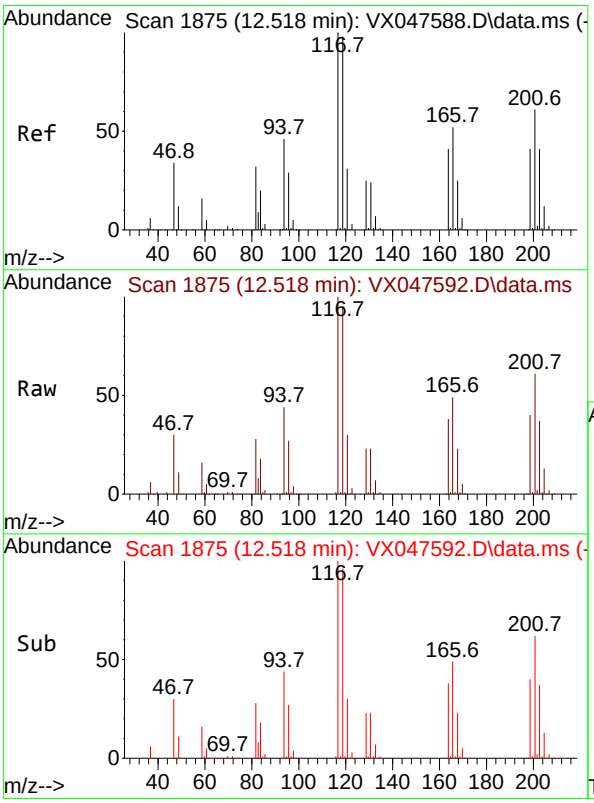
#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 420478

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8

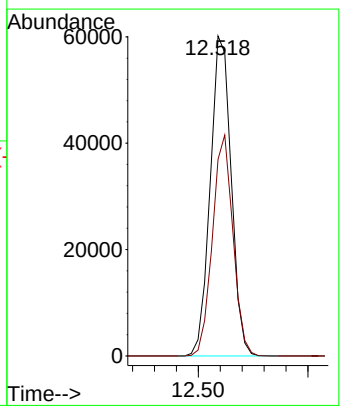


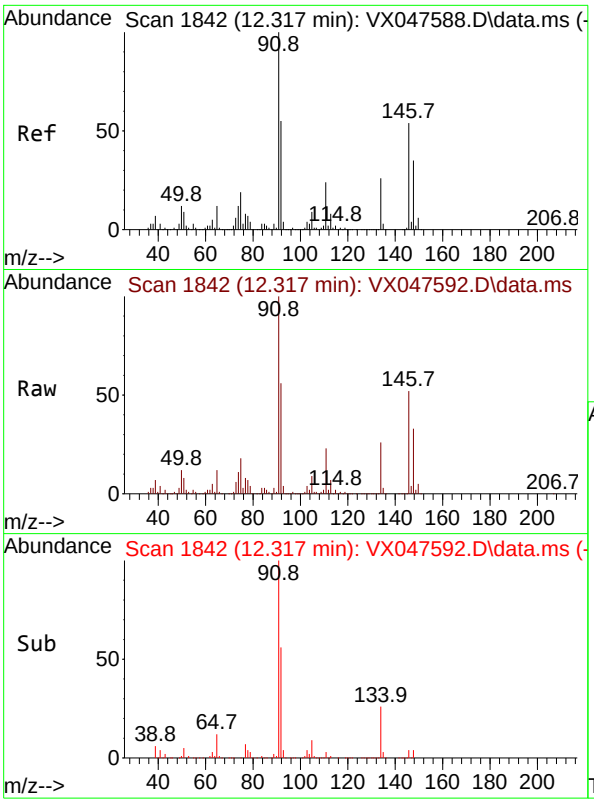


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5



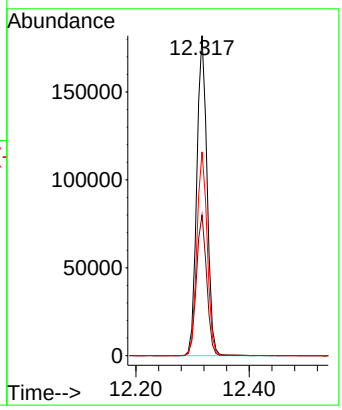


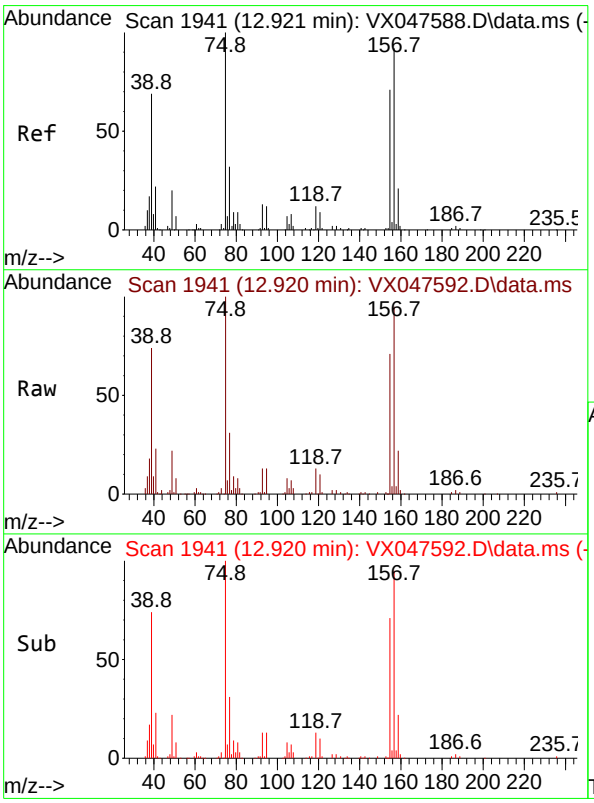
#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 227493

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4

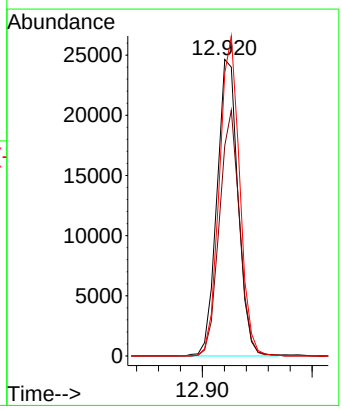


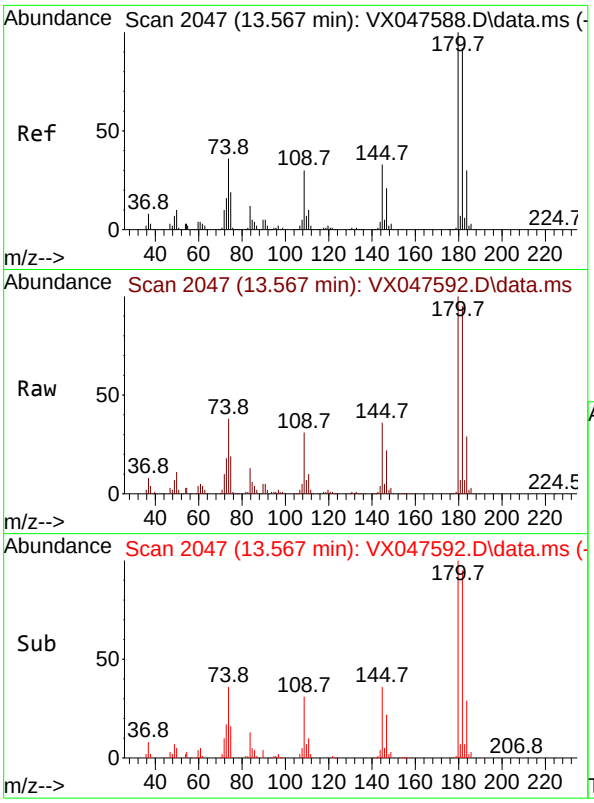


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4



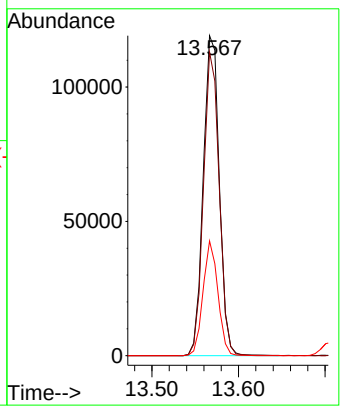


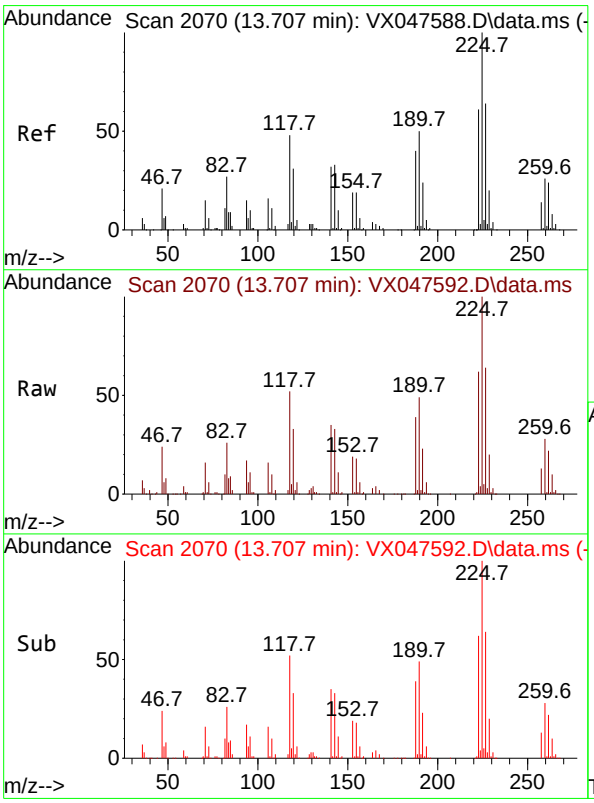
#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:180 Resp: 153333

Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1

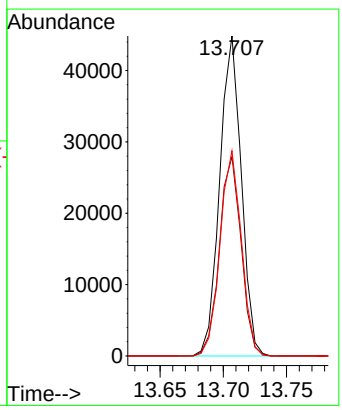


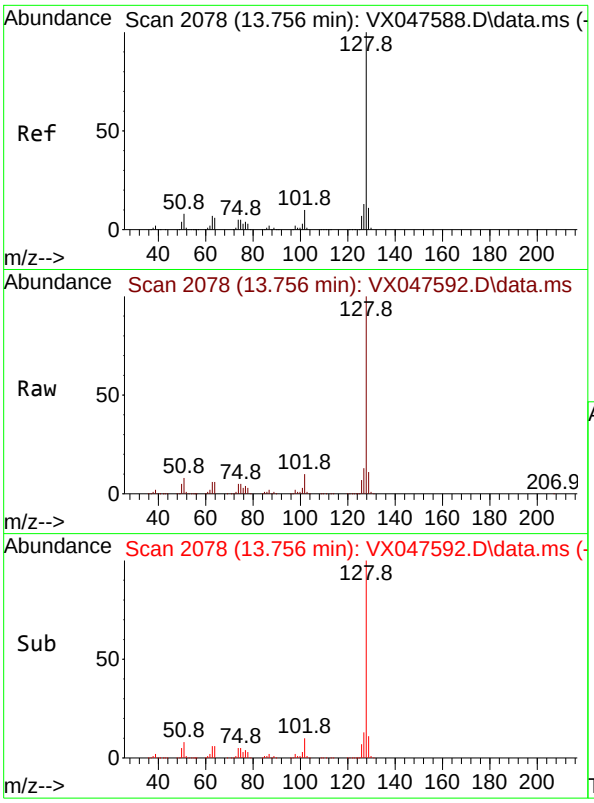


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0



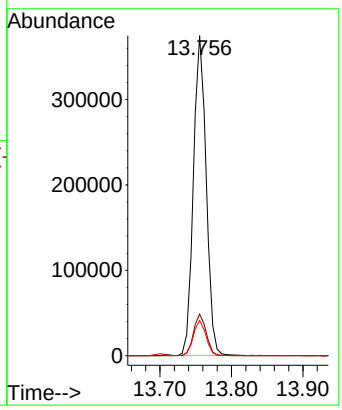


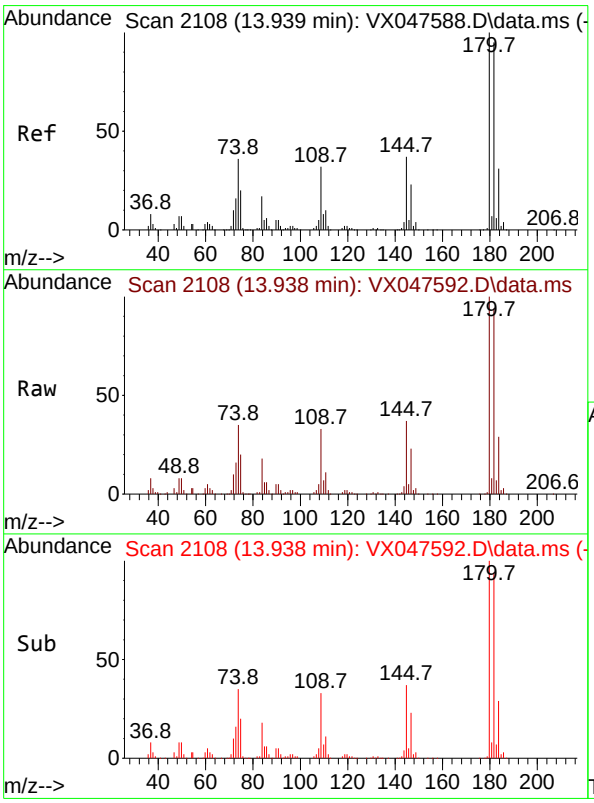
#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:128 Resp: 464206

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

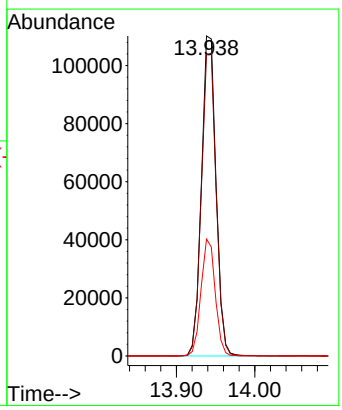




#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	159265	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	274684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.400%			
35) Dibromofluoromethane	5.367	113	98640	53.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	8.629	98	325148	51.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.061	95	120201	49.687	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	97022	58.829	ug/l	99
3) Chloromethane	1.301	50	113214	52.232	ug/l	97
4) Vinyl Chloride	1.380	62	116638	54.972	ug/l	98
5) Bromomethane	1.611	94	68890	51.203	ug/l	96
6) Chloroethane	1.691	64	78694	55.492	ug/l	97
7) Trichlorofluoromethane	1.892	101	172524	54.763	ug/l	99
8) Diethyl Ether	2.136	74	69421	53.868	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	100879	54.762	ug/l	97
10) Methyl Iodide	2.453	142	130308	45.357	ug/l	98
11) Tert butyl alcohol	2.941	59	68313	241.951	ug/l	99
12) 1,1-Dichloroethene	2.325	96	99847	52.767	ug/l	98
13) Acrolein	2.233	56	60815	233.739	ug/l	99
14) Allyl chloride	2.666	41	194156	49.724	ug/l	99
15) Acrylonitrile	3.056	53	296520	283.530	ug/l	100
16) Acetone	2.374	43	287150	260.508	ug/l	98
17) Carbon Disulfide	2.514	76	265675	51.287	ug/l	98
18) Methyl Acetate	2.697	43	144676	58.977	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	365318	52.887	ug/l	100
20) Methylene Chloride	2.788	84	125986	53.997	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	108133	53.079	ug/l	98
22) Diisopropyl ether	3.745	45	403919	53.376	ug/l #	85
23) Vinyl Acetate	3.709	43	1626309	268.522	ug/l	99
24) 1,1-Dichloroethane	3.599	63	214450	53.317	ug/l	100
25) 2-Butanone	4.532	43	369360	268.637	ug/l	97
26) 2,2-Dichloropropane	4.459	77	167775	50.180	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	132222	52.997	ug/l	97
28) Bromochloromethane	4.879	49	88396	50.341	ug/l	98
29) Tetrahydrofuran	4.983	42	220125	266.130	ug/l	100
30) Chloroform	5.074	83	216603	53.292	ug/l	97
31) Cyclohexane	5.452	56	155102	46.300	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	178835	51.873	ug/l	99
36) 1,1-Dichloropropene	5.678	75	135743	50.427	ug/l	99
37) Ethyl Acetate	4.696	43	152185	52.801	ug/l	99
38) Carbon Tetrachloride	5.660	117	151743	51.882	ug/l	92
39) Methylcyclohexane	7.360	83	140957	46.130	ug/l	99
40) Benzene	6.019	78	429759	52.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	82436	55.402	ug/l	99
42) 1,2-Dichloroethane	6.068	62	163028	52.407	ug/l	98
43) Isopropyl Acetate	6.318	43	245123	51.856	ug/l	98
44) Trichloroethene	7.104	130	101783	51.493	ug/l	95
45) 1,2-Dichloropropane	7.409	63	113369	54.152	ug/l	100
46) Dibromomethane	7.562	93	83867	55.050	ug/l	98
47) Bromodichloromethane	7.805	83	170796	54.329	ug/l	99
48) Methyl methacrylate	7.671	41	122288	51.936	ug/l	98
49) 1,4-Dioxane	7.641	88	30052	1262.927	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	719388	274.485	ug/l	100
52) Toluene	8.702	92	262130	52.039	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	167386	52.199	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	181042	52.821	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	105403	54.267	ug/l	97
56) Ethyl methacrylate	9.098	69	163078	53.463	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182646	54.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	425504	288.987	ug/l	100
59) 2-Hexanone	9.415	43	503092	267.273	ug/l	98
60) Dibromochloromethane	9.506	129	124090	55.448	ug/l	98
61) 1,2-Dibromoethane	9.592	107	108616	54.903	ug/l	99
64) Tetrachloroethene	9.256	164	79687	49.476	ug/l	99
65) Chlorobenzene	10.061	112	292200	52.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	104056	53.724	ug/l	100
67) Ethyl Benzene	10.177	91	489523	50.546	ug/l	100
68) m/p-Xylenes	10.287	106	367685	102.001	ug/l	99
69) o-Xylene	10.622	106	178721	51.259	ug/l	99
70) Styrene	10.640	104	316919	51.876	ug/l	98
71) Bromoform	10.781	173	79707	55.113	ug/l	99
73) Isopropylbenzene	10.945	105	453987	49.226	ug/l	99
74) N-amyl acetate	10.823	43	207377	49.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	148724	53.301	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	164823	67.108	ug/l	91
77) Bromobenzene	11.177	156	114778	50.531	ug/l	96
78) n-propylbenzene	11.287	91	534401	49.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	328025	49.125	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	375552	49.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	46406	48.183	ug/l	99
82) 4-Chlorotoluene	11.433	91	389550	49.396	ug/l	99
83) tert-Butylbenzene	11.695	119	376514	48.542	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	379320	49.378	ug/l	100
85) sec-Butylbenzene	11.872	105	443652	48.154	ug/l	100
86) p-Isopropyltoluene	11.988	119	371954	47.687	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	207204	49.112	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	210050	48.509	ug/l	98
89) n-Butylbenzene	12.317	91	337054	46.701	ug/l	99
90) Hexachloroethane	12.518	117	68737	50.194	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	202692	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28623	50.667	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	120450	46.109	ug/l	98
94) Hexachlorobutadiene	13.707	225	36987	41.684	ug/l	98
95) Naphthalene	13.756	128	391072	49.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	115245	47.426	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

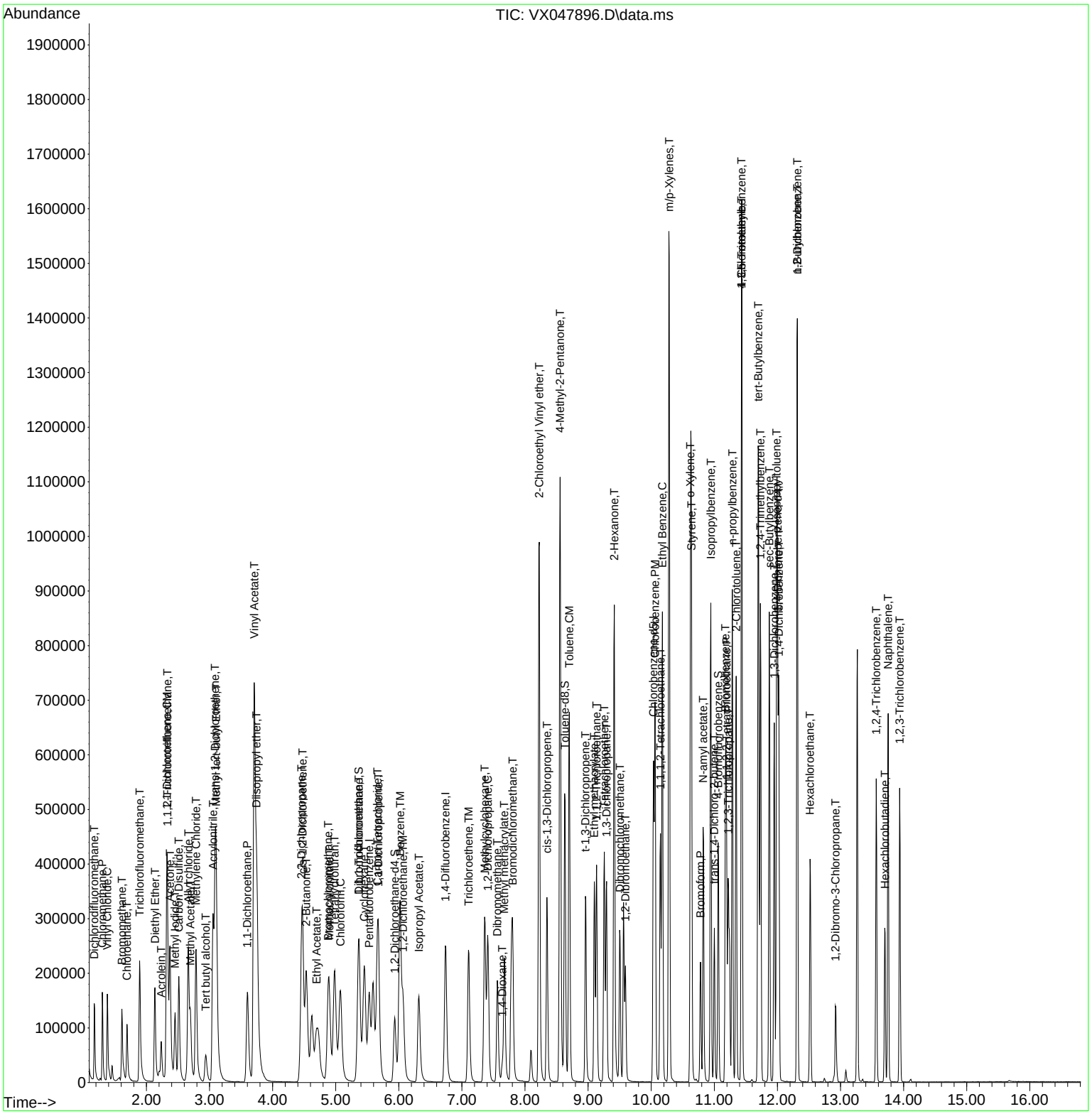
(#) = qualifier out of range (m) = manual integration (+) = signals summed

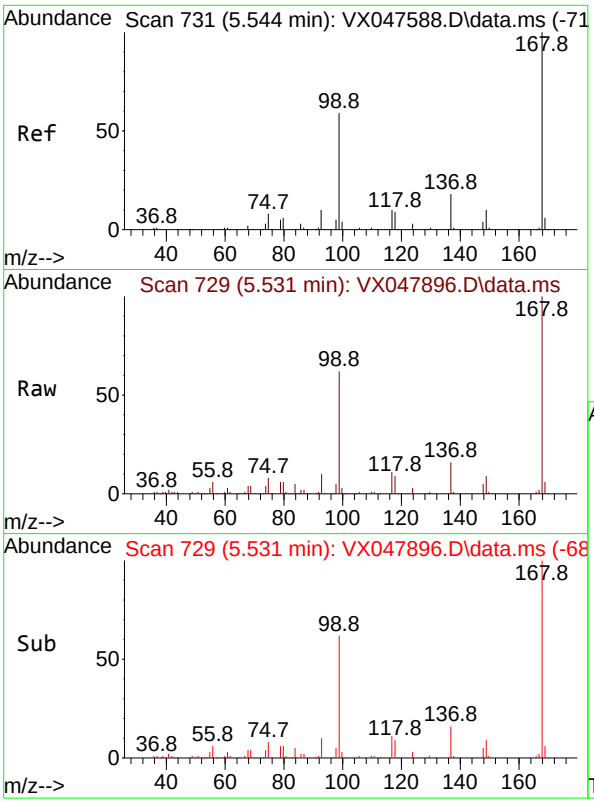
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



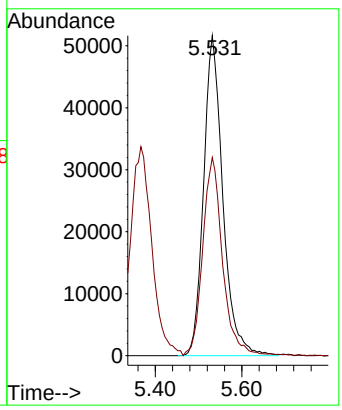


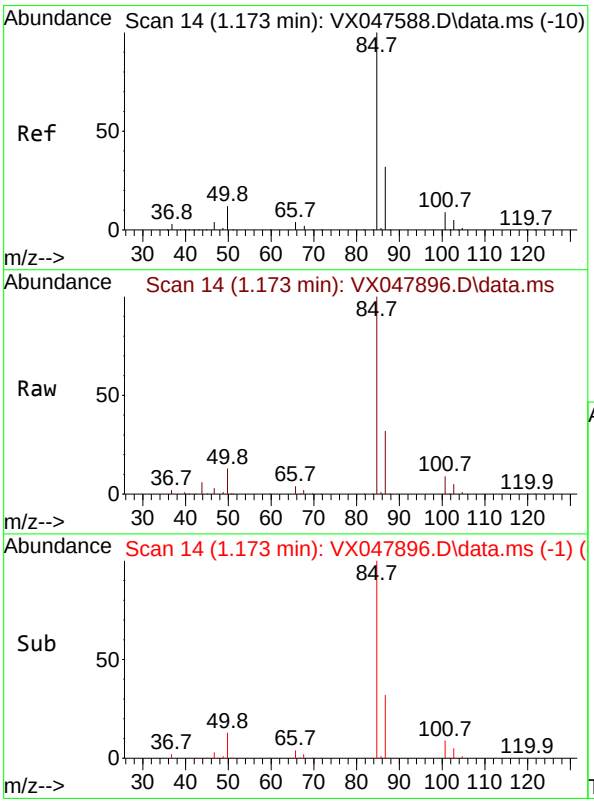
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 159265

Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.8	73.2

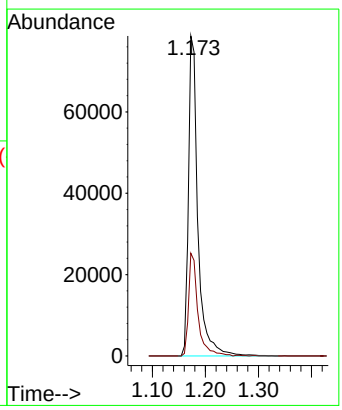


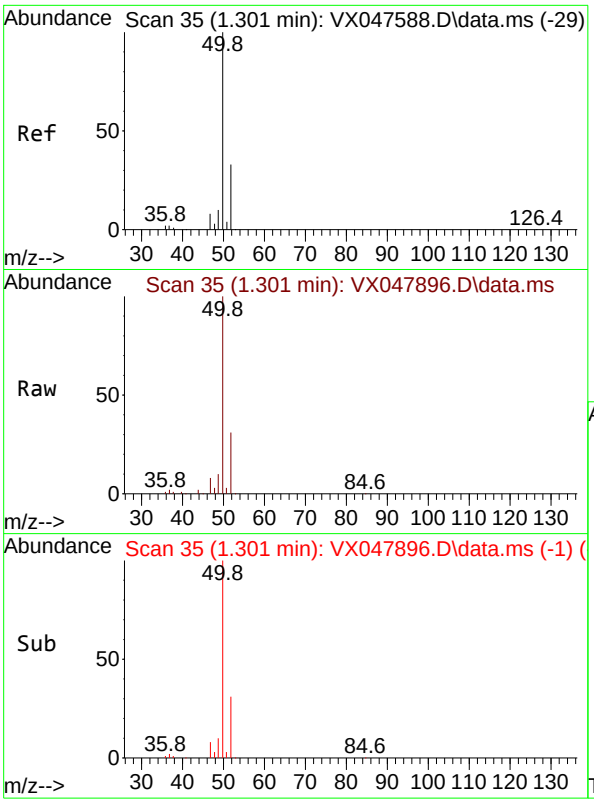


#2
Dichlorodifluoromethane
Concen: 58.829 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 85 Resp: 97022

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



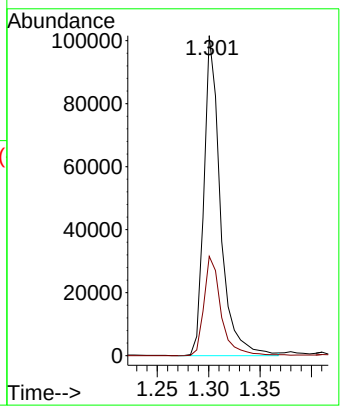


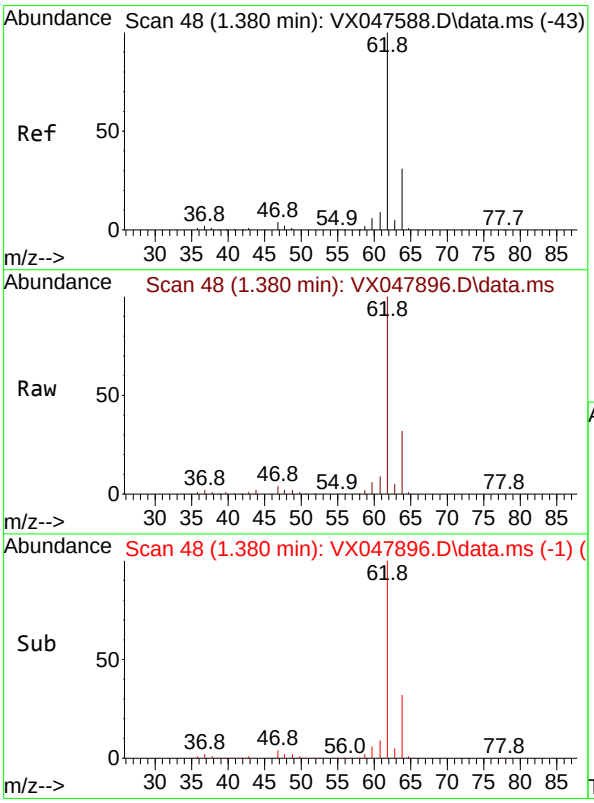
#3
Chloromethane
Concen: 52.232 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 113214

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1

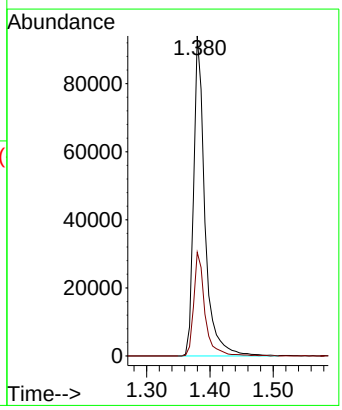


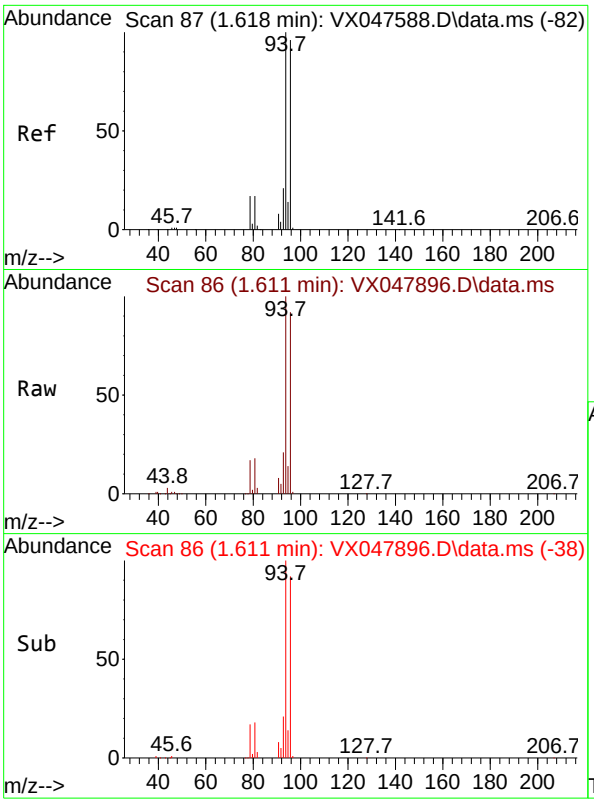


#4
Vinyl Chloride
Concen: 54.972 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 116638

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.9	37.3



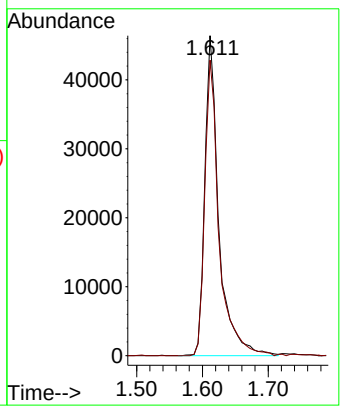


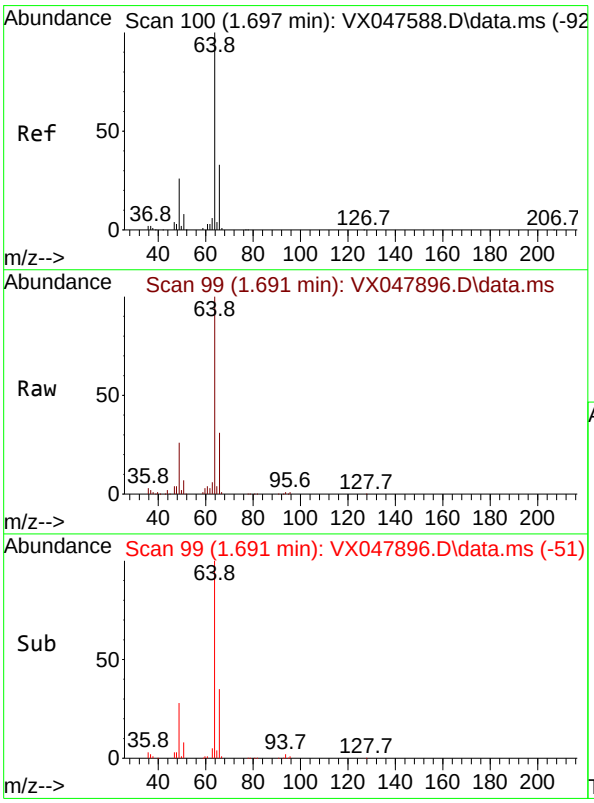
#5
Bromomethane
Concen: 51.203 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 68890

Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.6	115.0

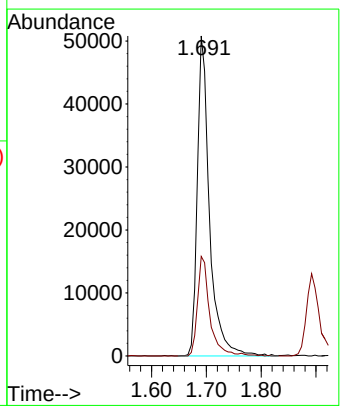


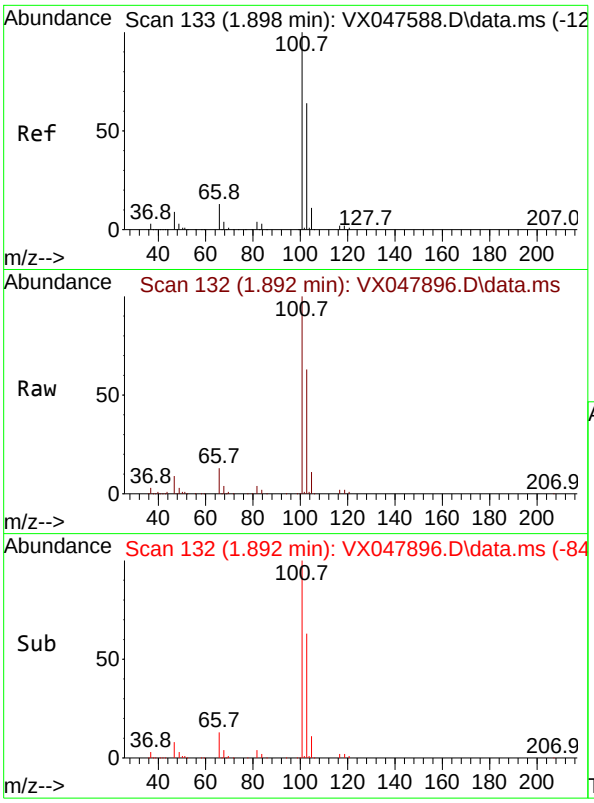


#6
Chloroethane
Concen: 55.492 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 64 Resp: 78694

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1



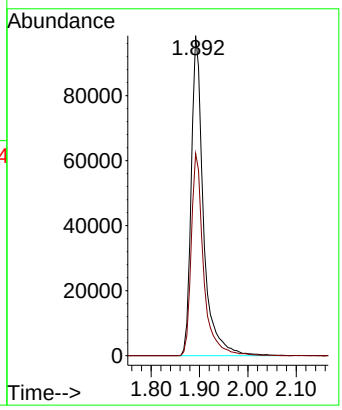


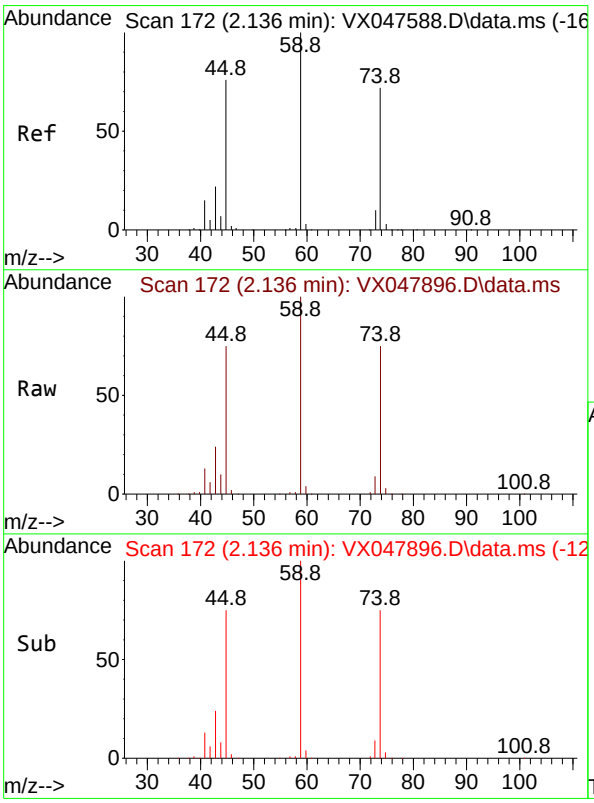
#7
Trichlorofluoromethane
Concen: 54.763 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 172524

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2

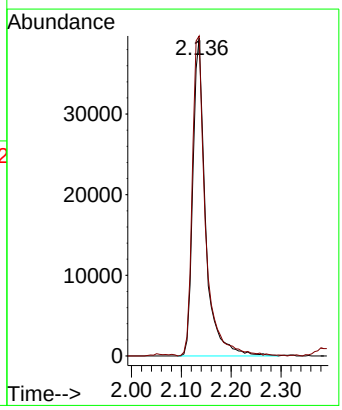


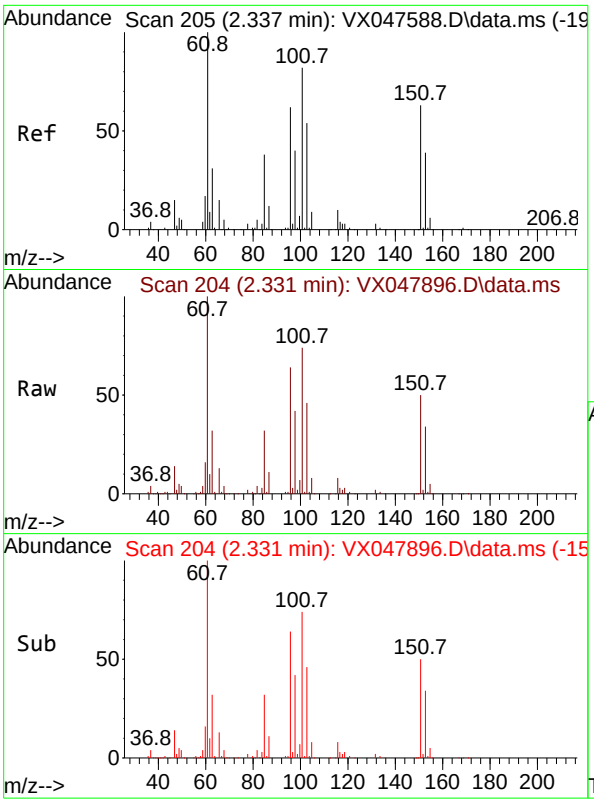


#8
Diethyl Ether
Concen: 53.868 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 74 Resp: 69421

Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	156.8



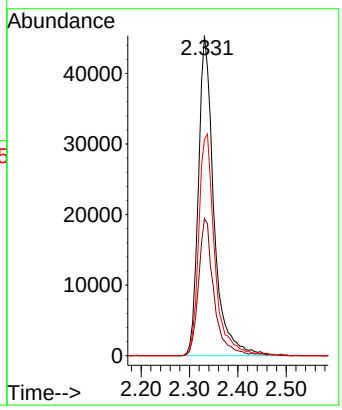


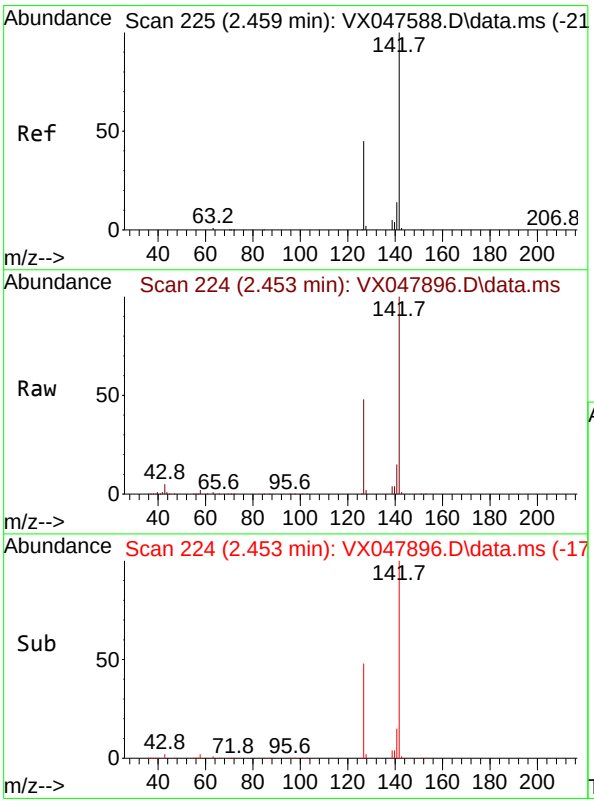
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.762 ug/l
RT: 2.331 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 100879

Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.5	53.3
151	71.8	59.4	89.0

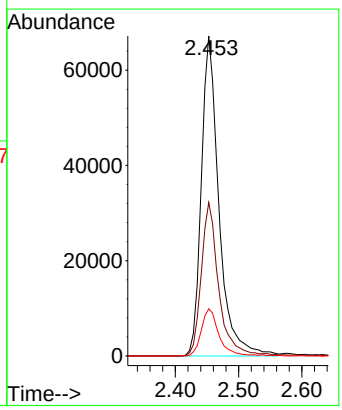


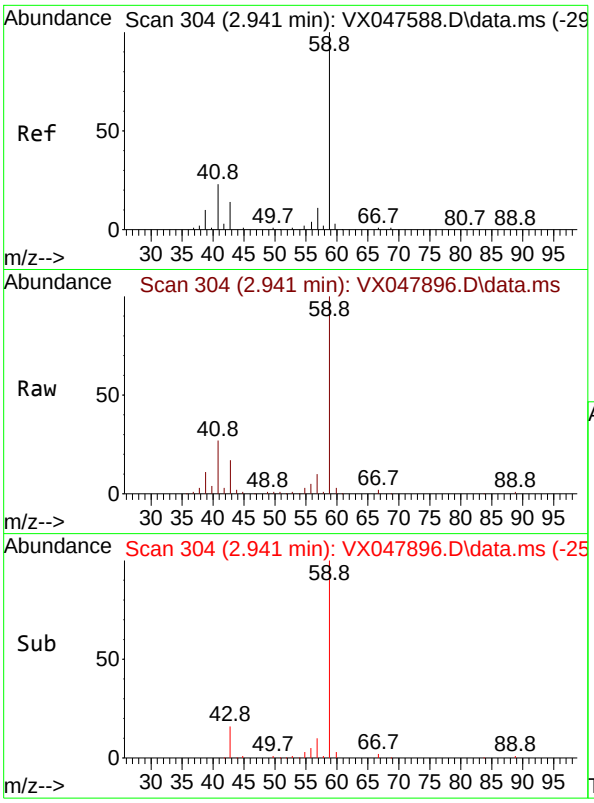


#10
Methyl Iodide
Concen: 45.357 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:142 Resp: 130308

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.2	55.8
141	14.6	11.4	17.0



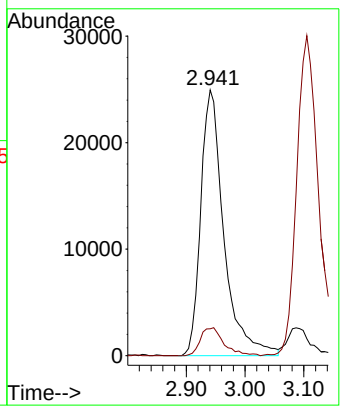


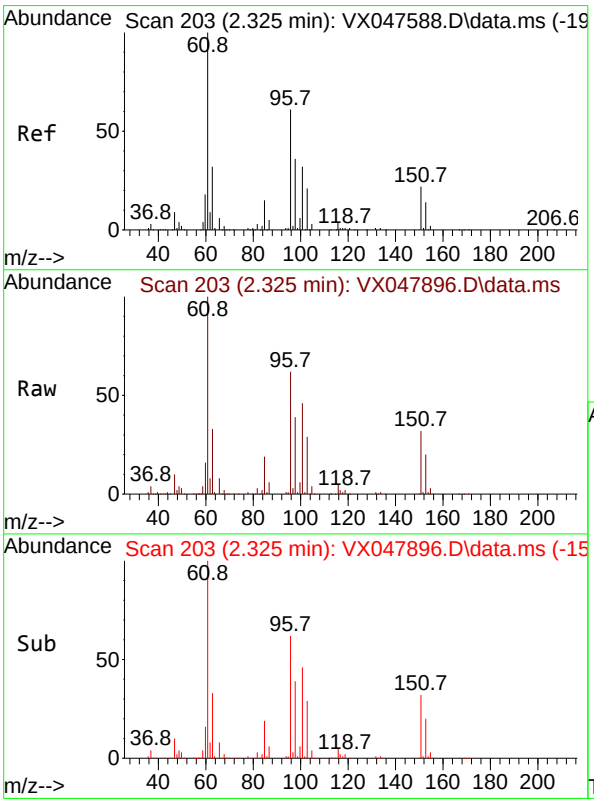
#11
Tert butyl alcohol
Concen: 241.951 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 68313

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

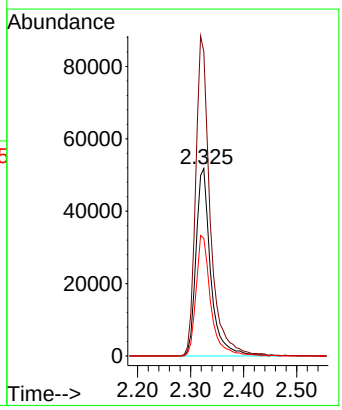


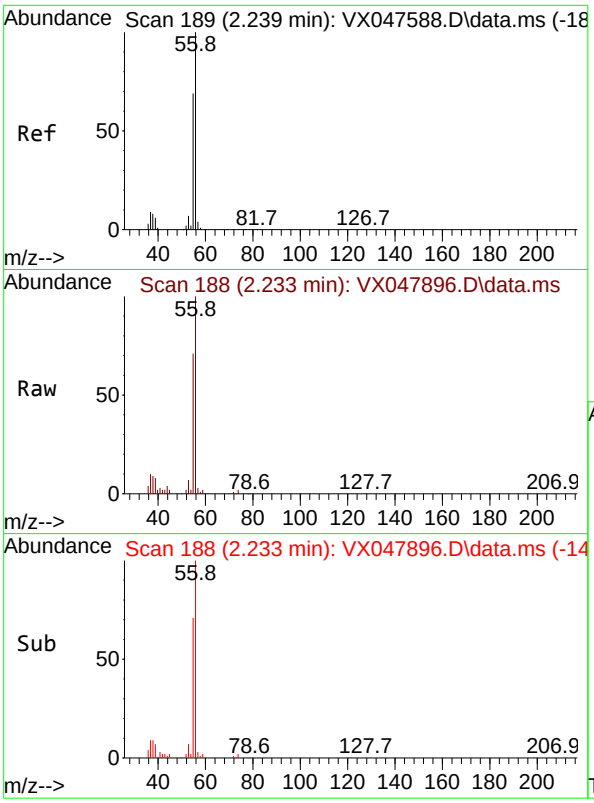


#12
1,1-Dichloroethene
Concen: 52.767 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 99847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	62.9	47.7	71.5



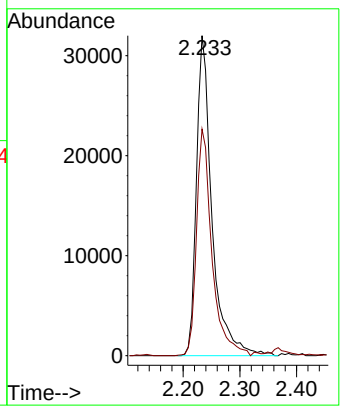


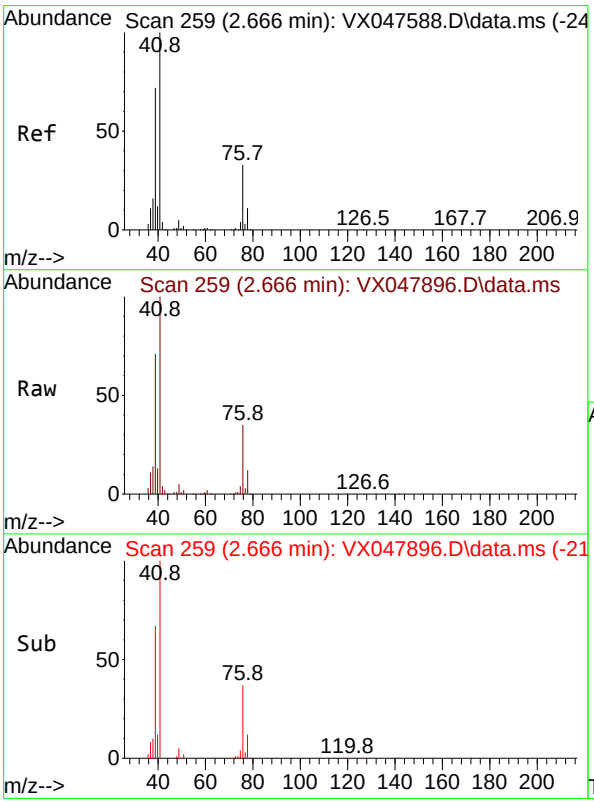
#13
Acrolein
Concen: 233.739 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 60815

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8

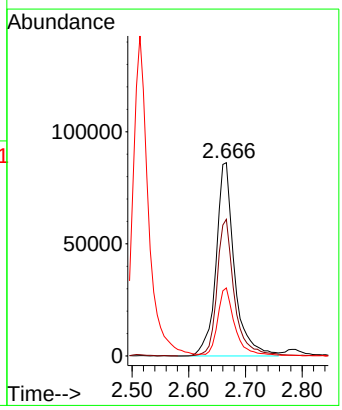


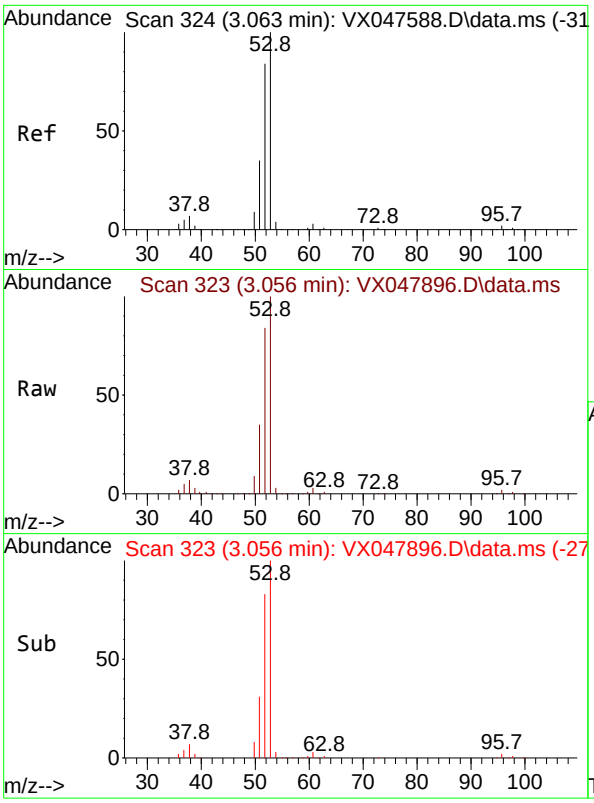


#14
Allyl chloride
Concen: 49.724 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 194156

Ion	Ratio	Lower	Upper
41	100		
39	66.7	54.7	82.1
76	32.0	25.7	38.5



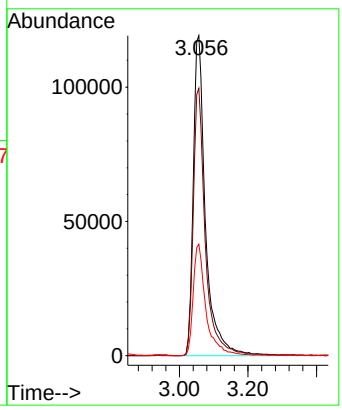


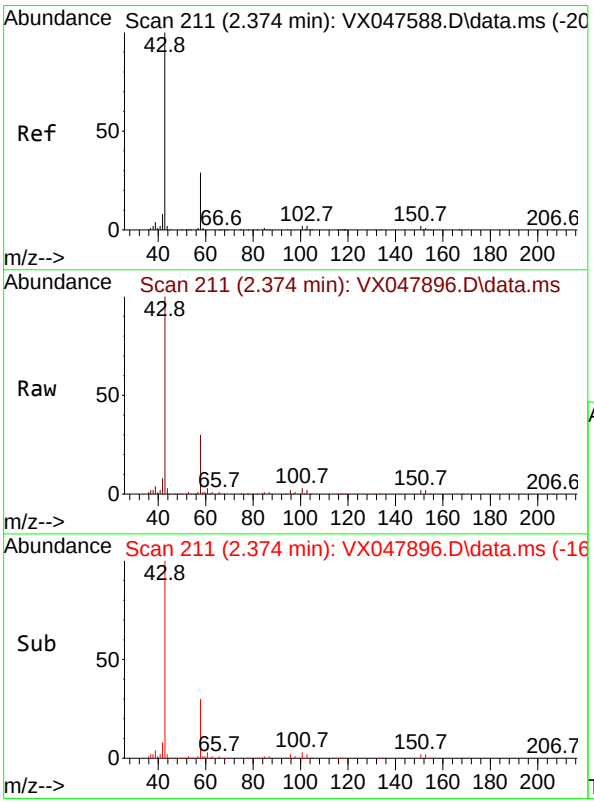
#15
Acrylonitrile
Concen: 283.530 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 296520

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.4	29.5	44.3

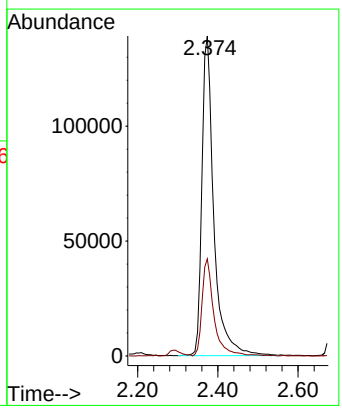


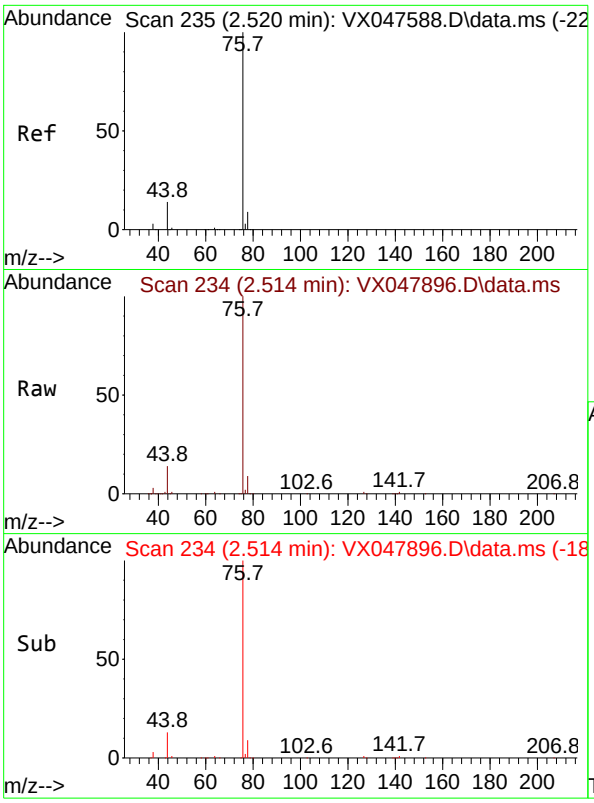


#16
Acetone
Concen: 260.508 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 287150

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0



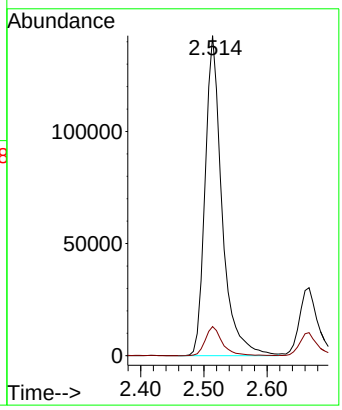


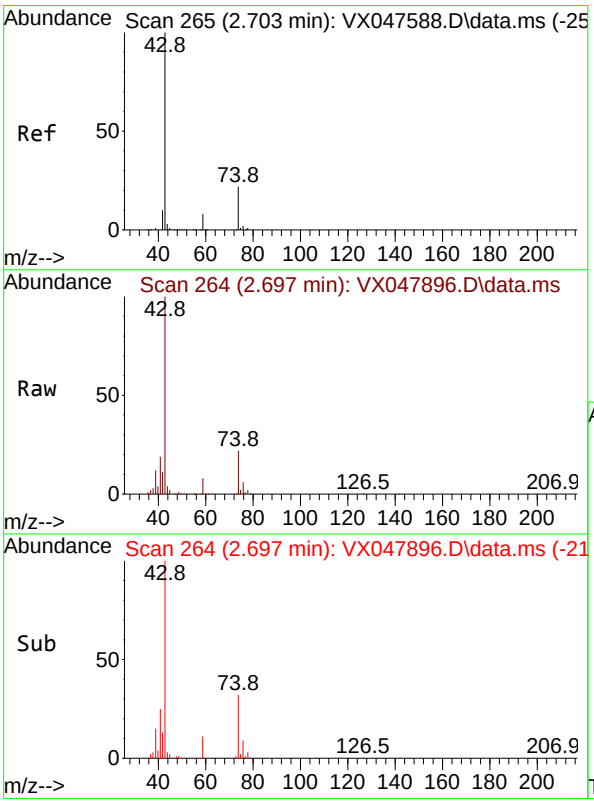
#17
Carbon Disulfide
Concen: 51.287 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 265675

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

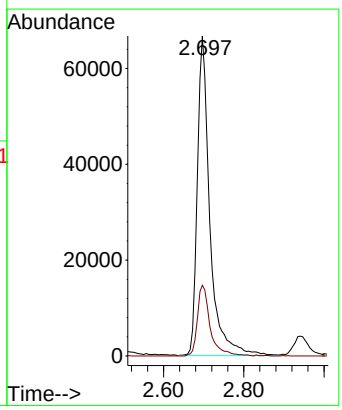


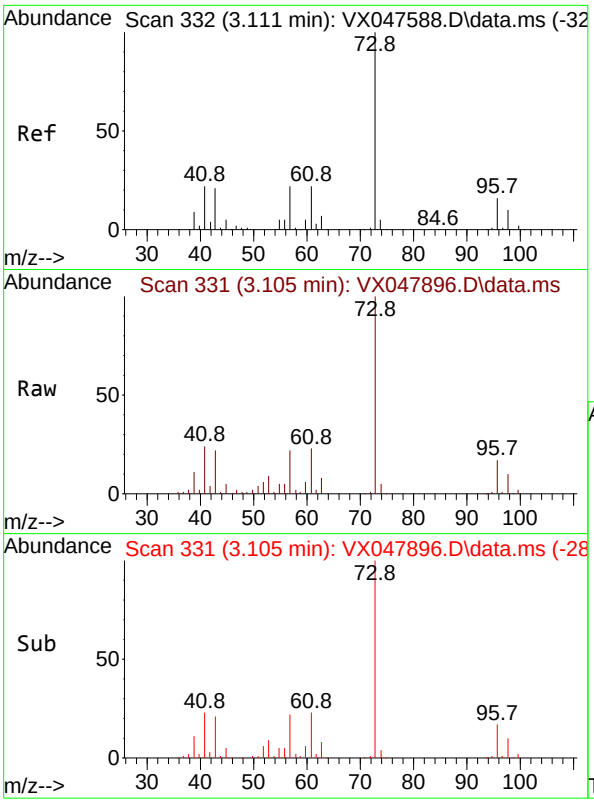


#18
Methyl Acetate
Concen: 58.977 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 144676

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2



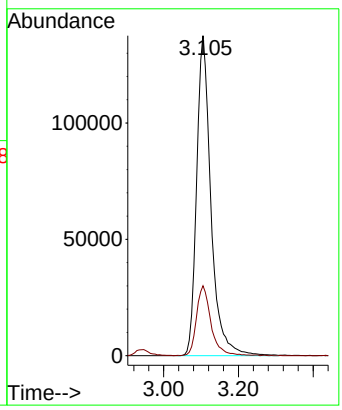


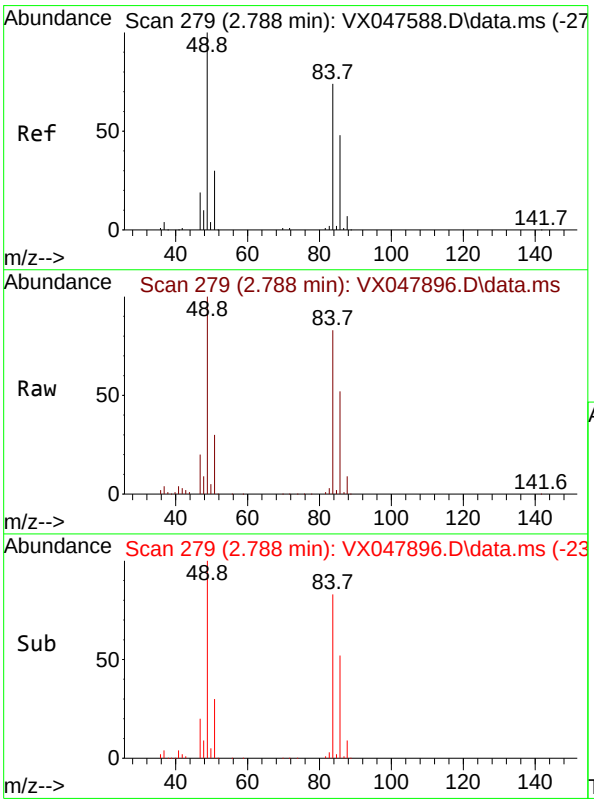
#19
Methyl tert-butyl Ether
Concen: 52.887 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 365318

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

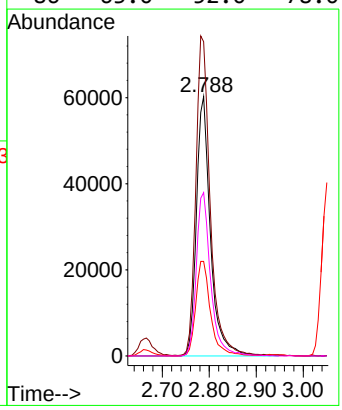


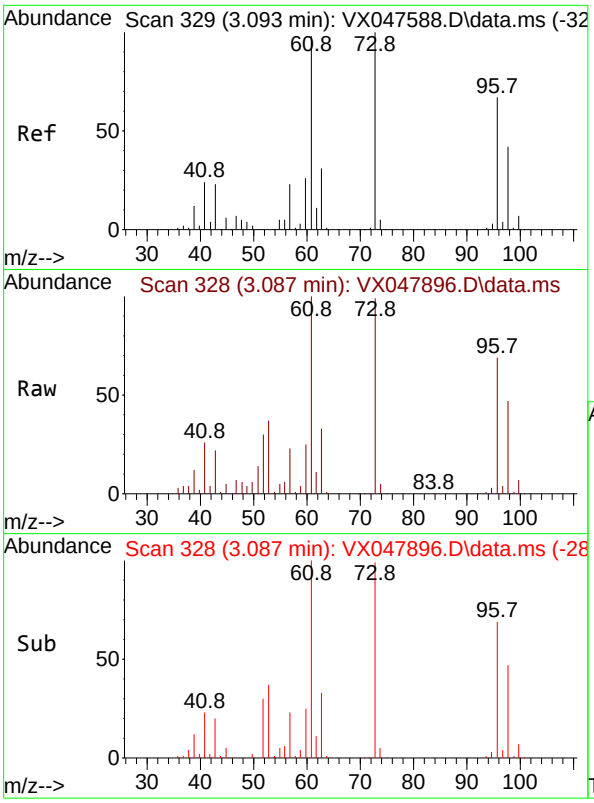


#20
Methylene Chloride
Concen: 53.997 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 84 Resp: 125986

Ion	Ratio	Lower	Upper
84	100		
49	120.9	108.6	162.8
51	36.5	32.6	48.8
86	63.0	52.0	78.0



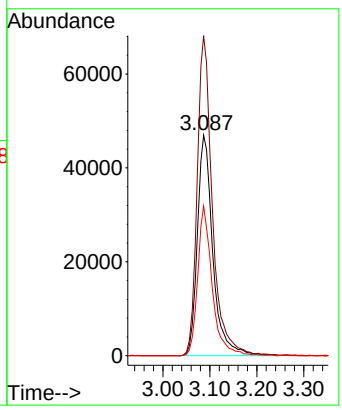


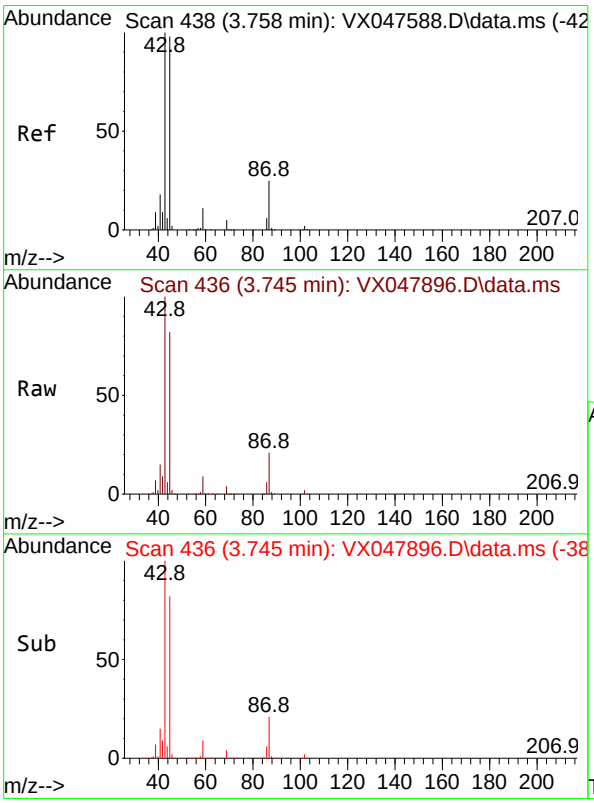
#21
trans-1,2-Dichloroethene
Concen: 53.079 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 108133

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	67.8	49.3	73.9

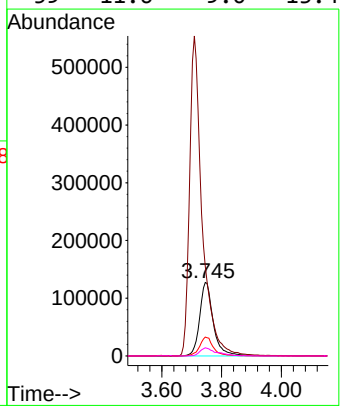


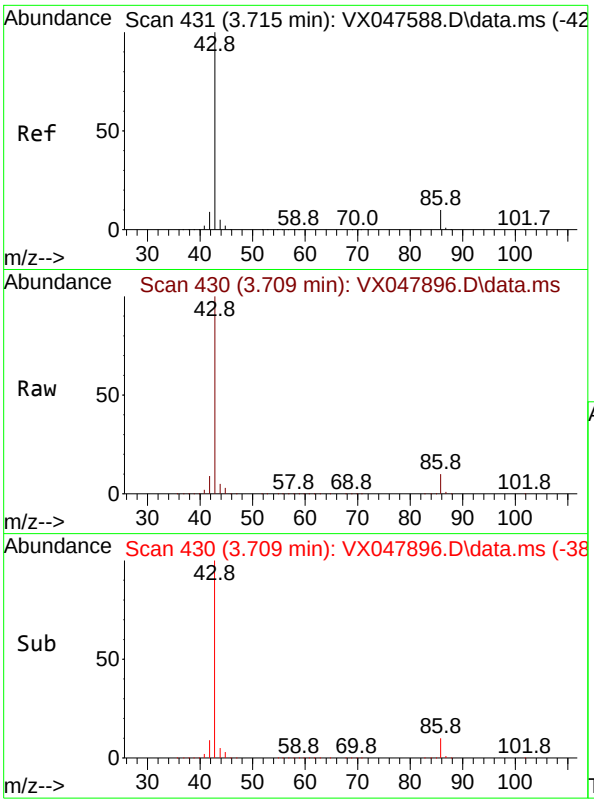


#22
Diisopropyl ether
Concen: 53.376 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 45 Resp: 403919

Ion	Ratio	Lower	Upper
45	100		
43	122.1	81.0	121.4#
87	25.7	20.3	30.5
59	11.6	9.0	13.4



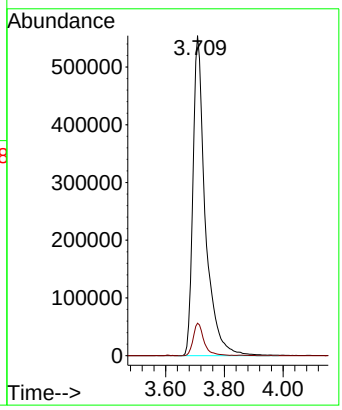


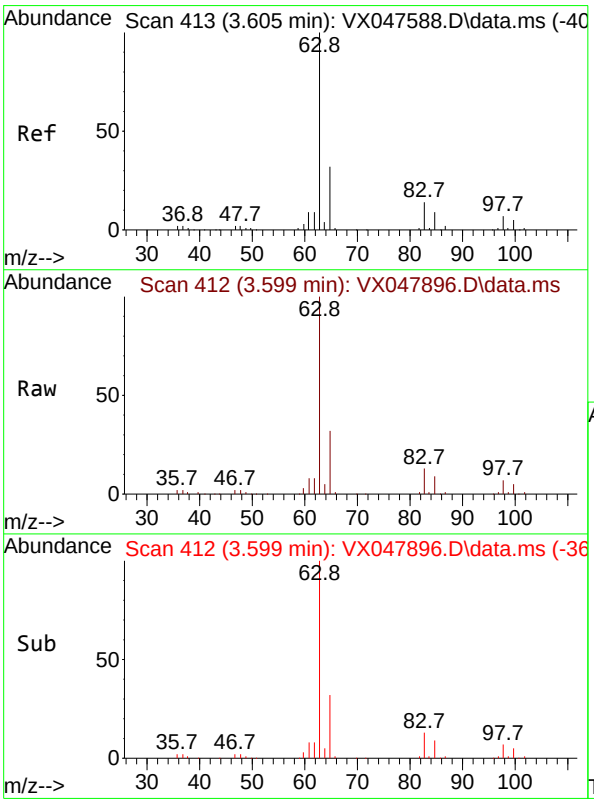
#23
Vinyl Acetate
Concen: 268.522 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1626309

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

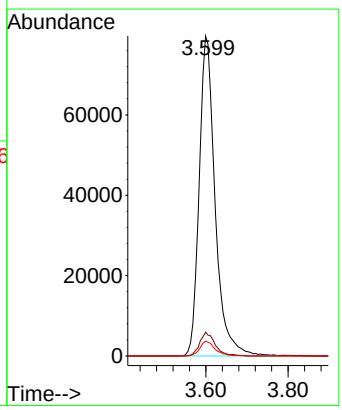


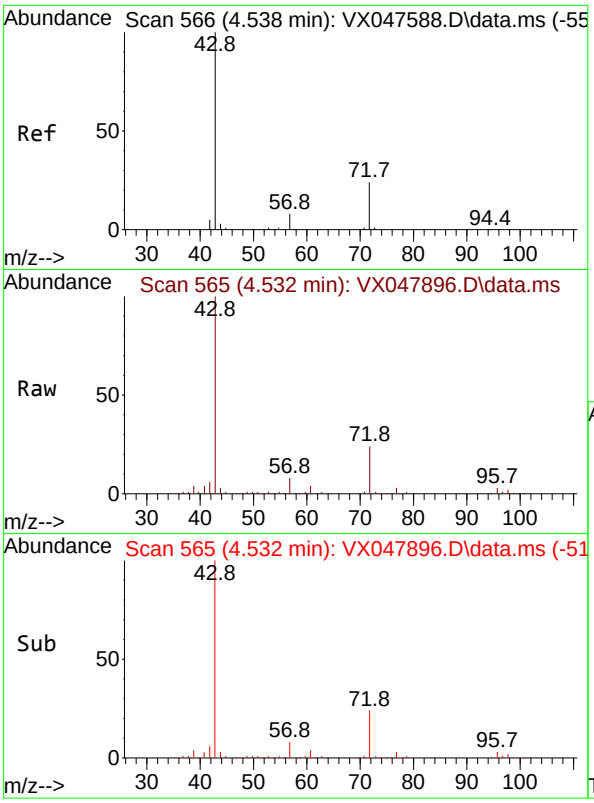


#24
1,1-Dichloroethane
Concen: 53.317 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 214450

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.2
100	4.8	2.3	6.9



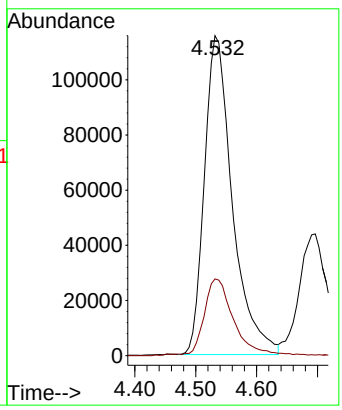


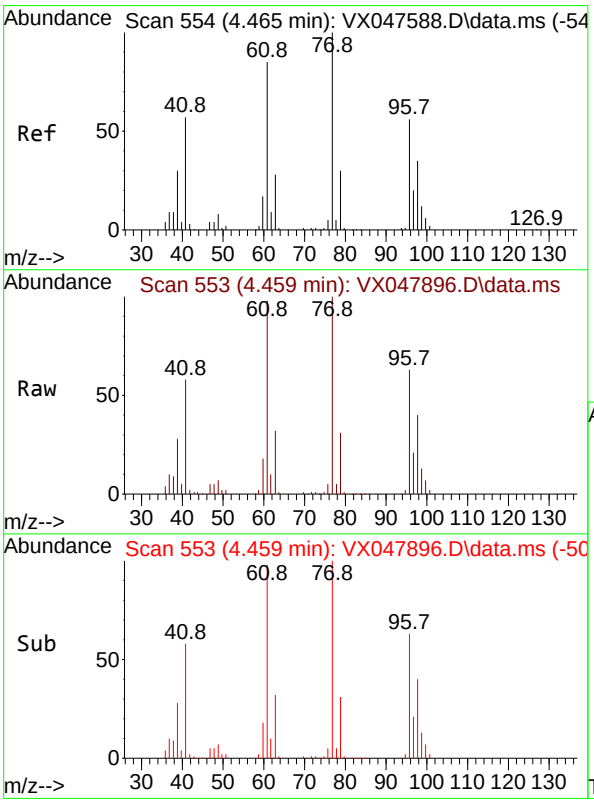
#25
2-Butanone
Concen: 268.637 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 369360

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

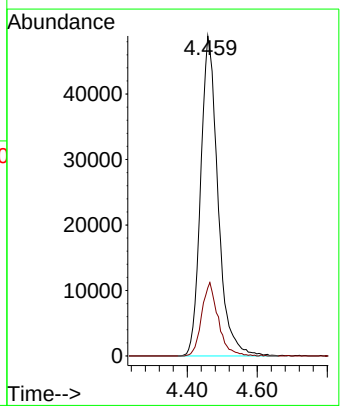


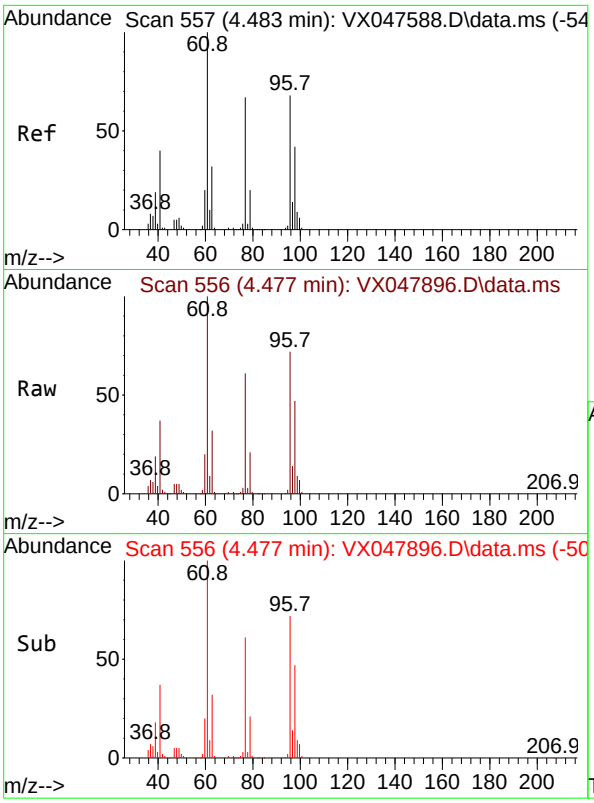


#26
2,2-Dichloropropane
Concen: 50.180 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 77 Resp: 167775

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



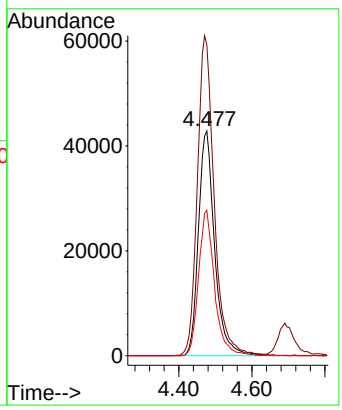


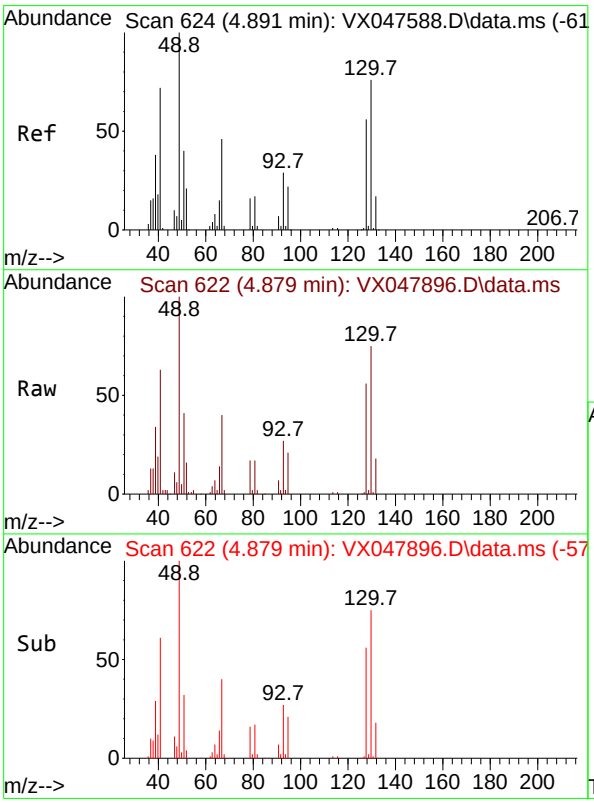
#27
cis-1,2-Dichloroethene
Concen: 52.997 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 132222

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	63.5	0.0	127.8

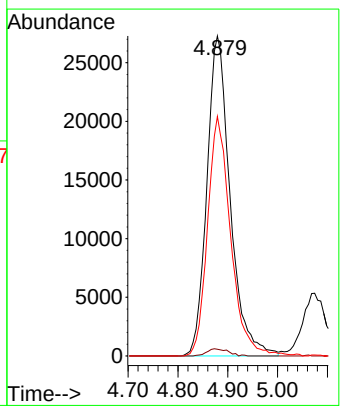


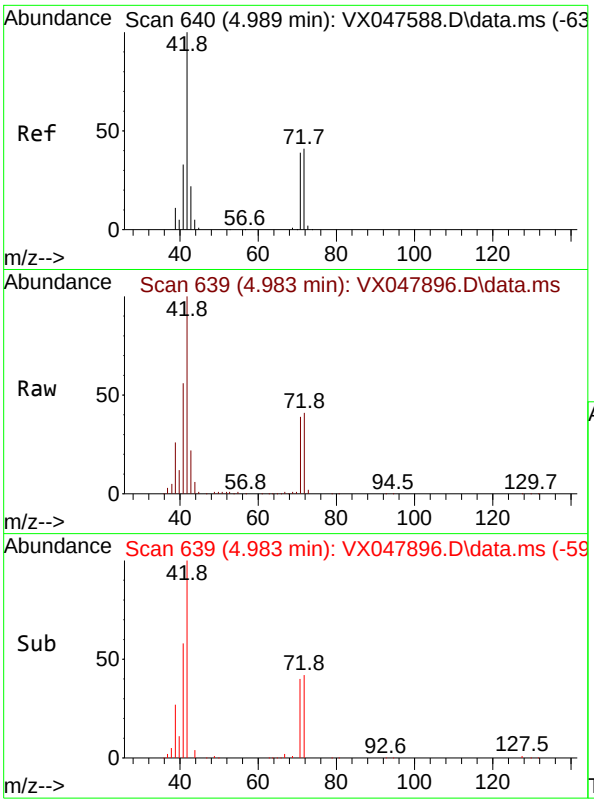


#28
Bromochloromethane
Concen: 50.341 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 49 Resp: 88396

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	74.2	57.8	86.8



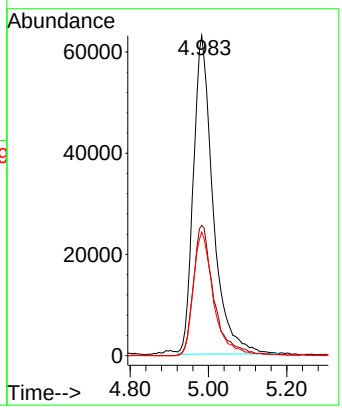


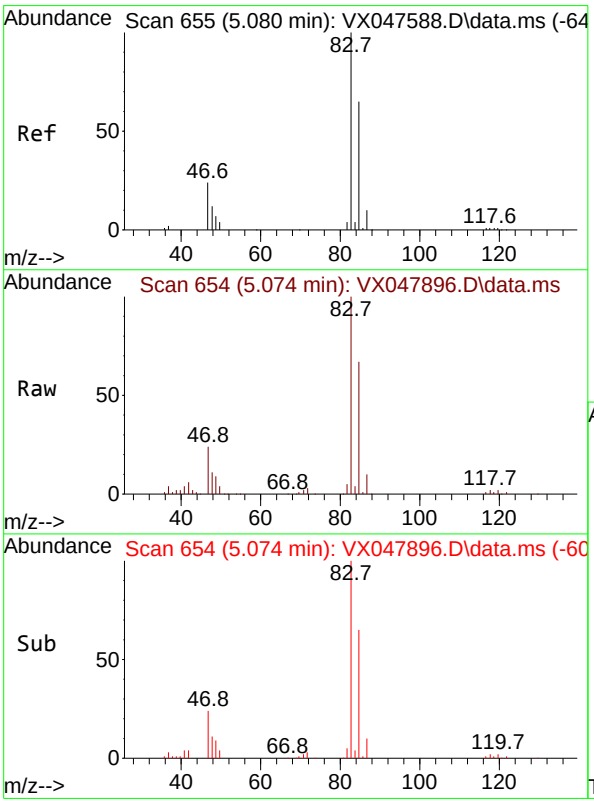
#29
Tetrahydrofuran
Concen: 266.130 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 220125

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	39.9	31.9	47.9

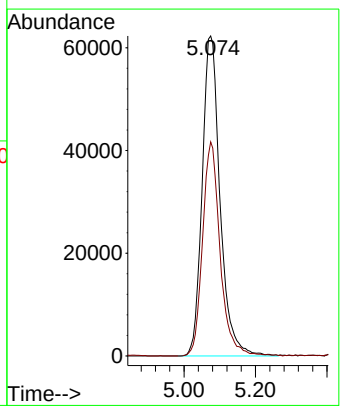


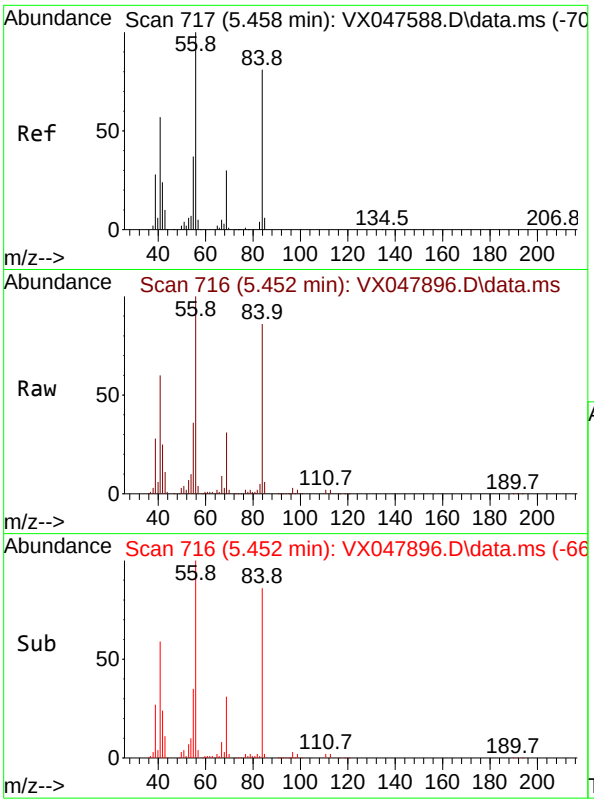


#30
Chloroform
Concen: 53.292 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 216603

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.6



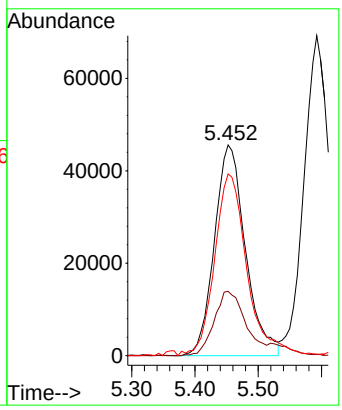


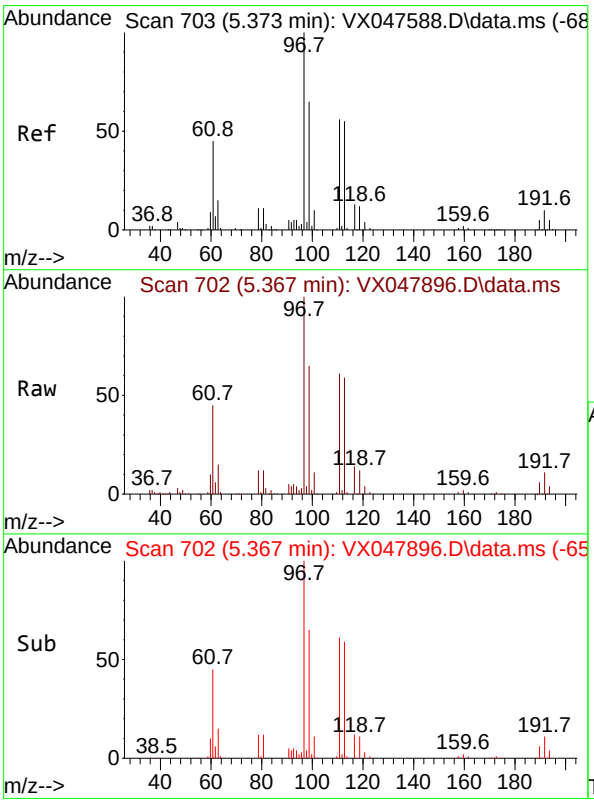
#31
Cyclohexane
Concen: 46.300 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 155102

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	86.3	64.6	97.0

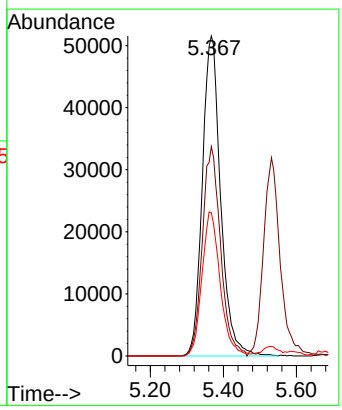


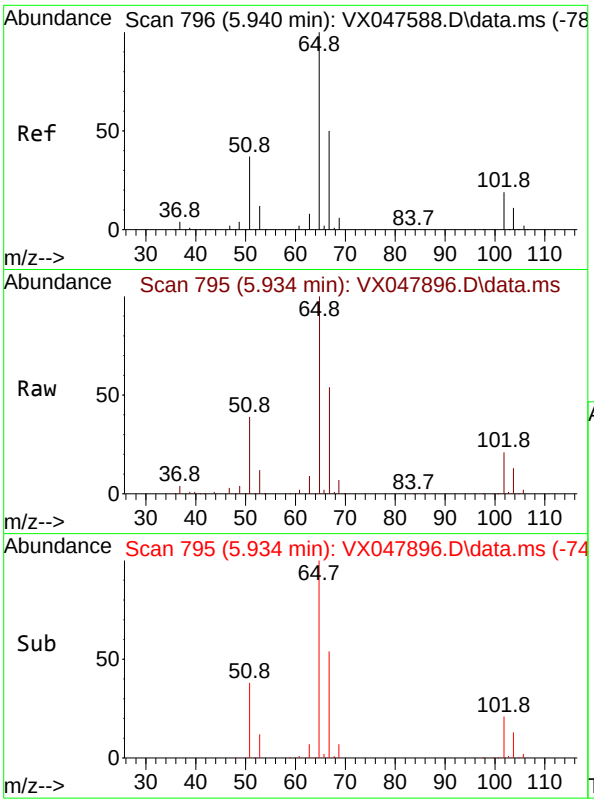


#32
1,1,1-Trichloroethane
Concen: 51.873 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 97 Resp: 178835

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	76.0
61	44.9	35.8	53.8



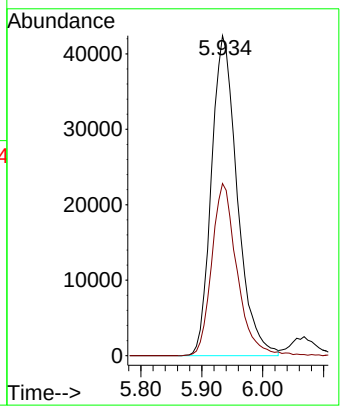


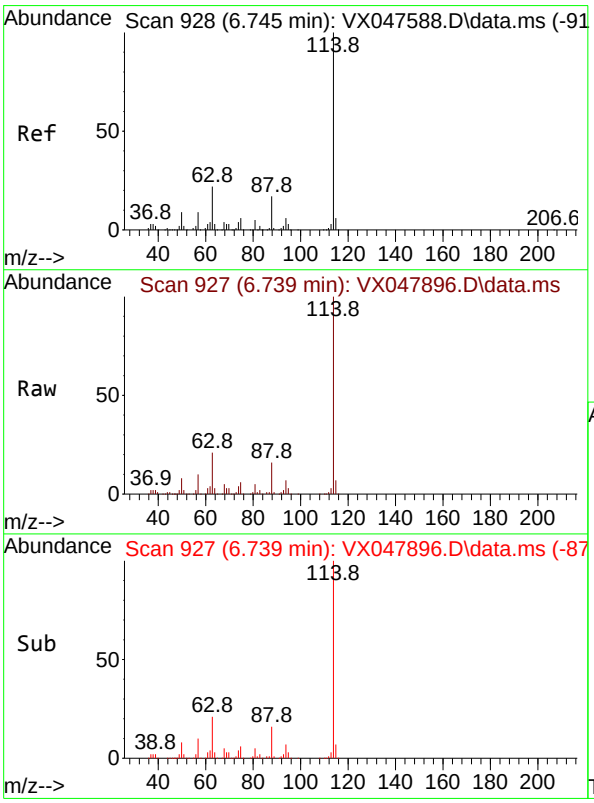
#33
1,2-Dichloroethane-d4
Concen: 49.199 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 124724

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0

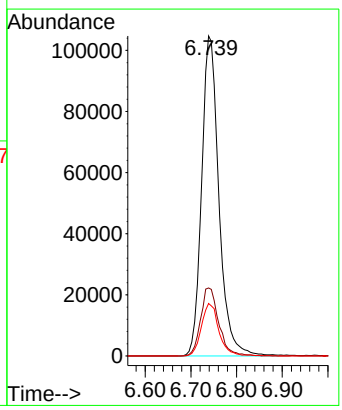


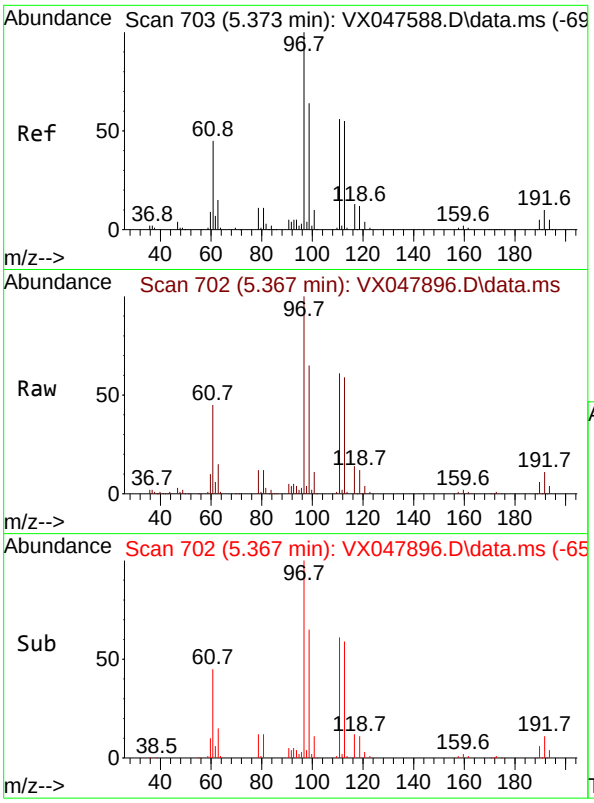


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:114 Resp: 274684

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.4	0.0	34.2



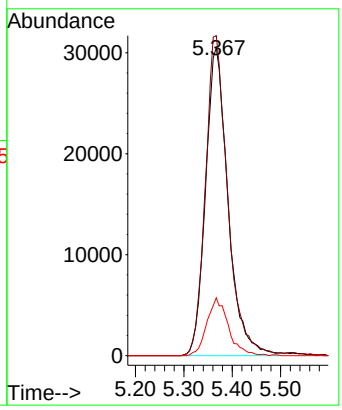


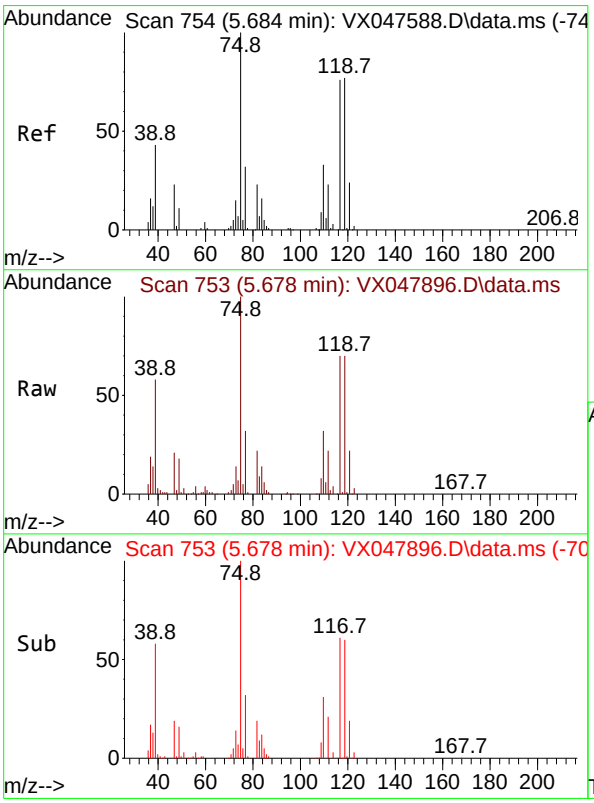
#35
Dibromofluoromethane
Concen: 53.545 ug/l
RT: 5.367 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 98640

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	18.0	14.2	21.4

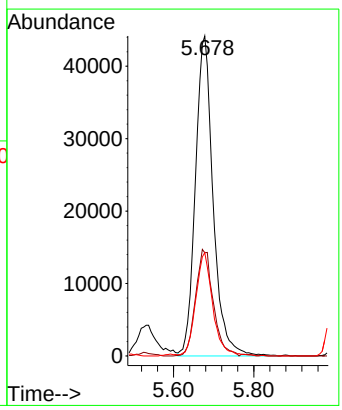


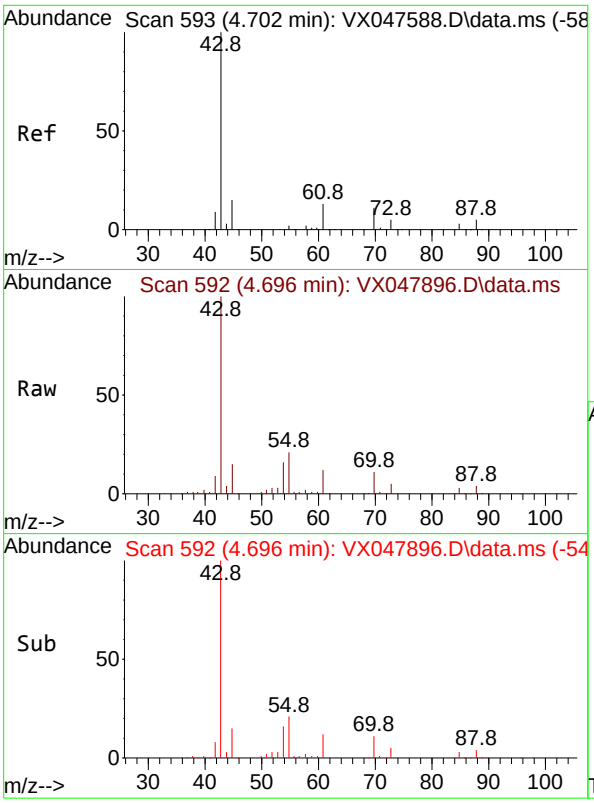


#36
1,1-Dichloropropene
Concen: 50.427 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 135743

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.7	50.1
77	31.0	24.3	36.5



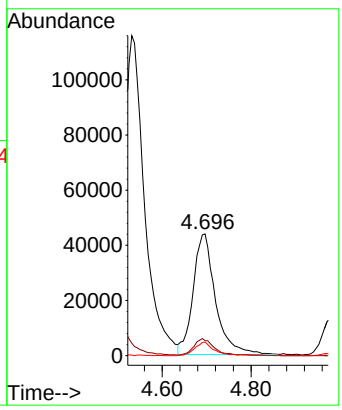


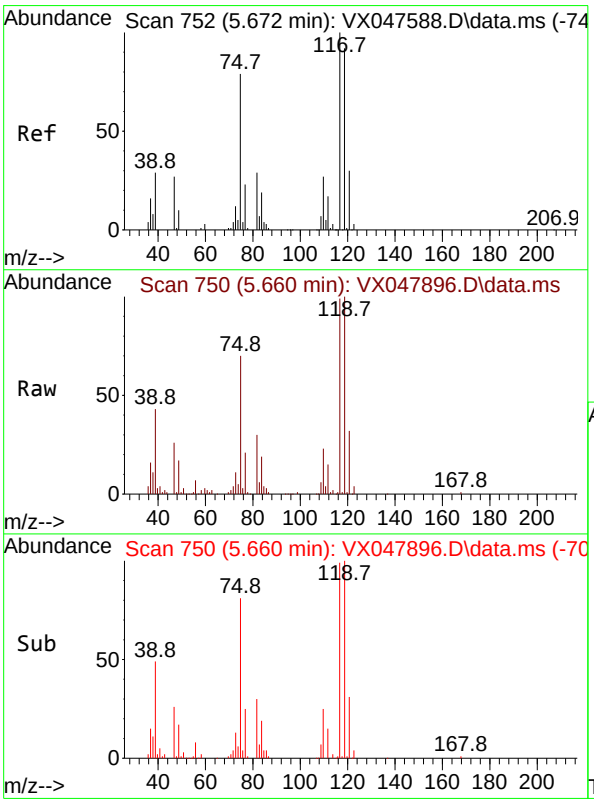
#37
Ethyl Acetate
Concen: 52.801 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 152185

Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	10.0	7.9	11.9

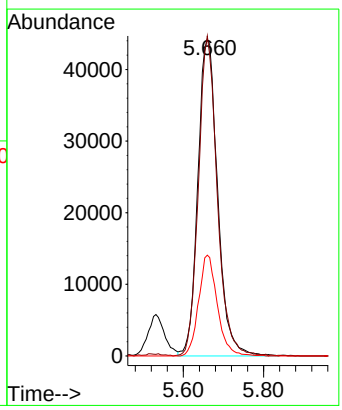


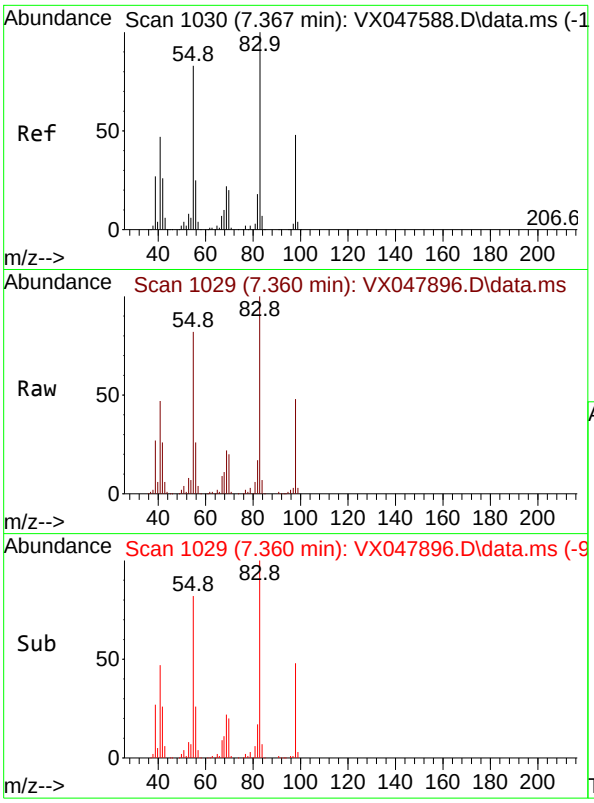


#38
Carbon Tetrachloride
Concen: 51.882 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 151743

Ion	Ratio	Lower	Upper
117	100		
119	100.8	73.4	110.2
121	31.8	23.8	35.6



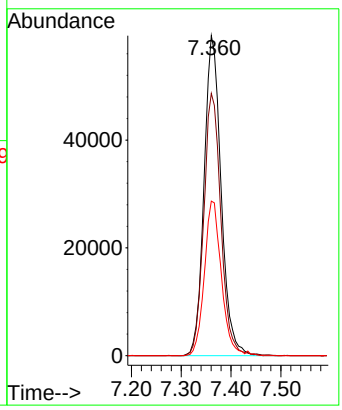


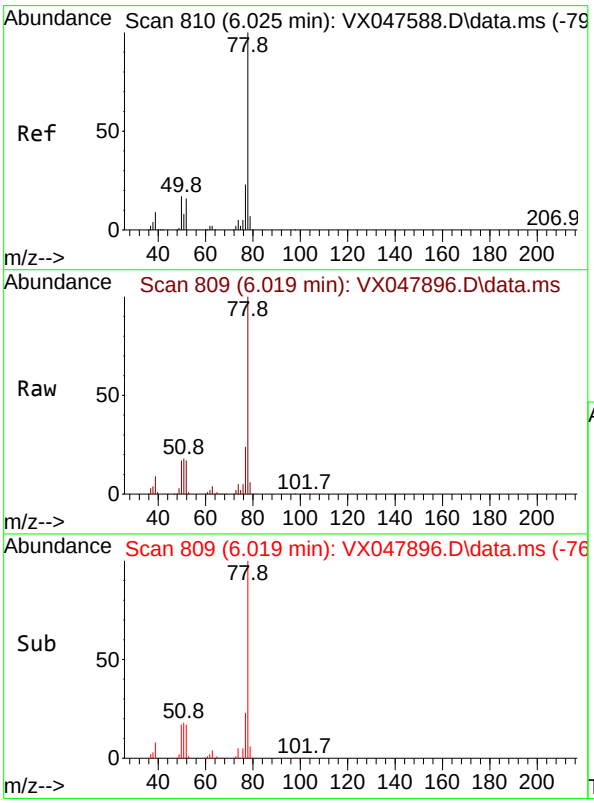
#39
Methylcyclohexane
Concen: 46.130 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 140957

Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.4	99.6
98	48.3	38.1	57.1

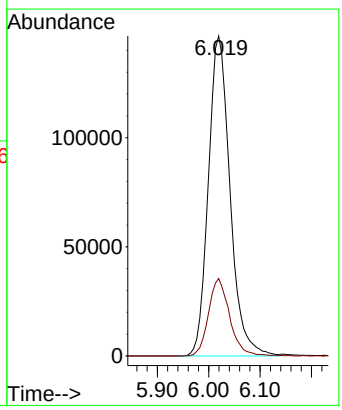


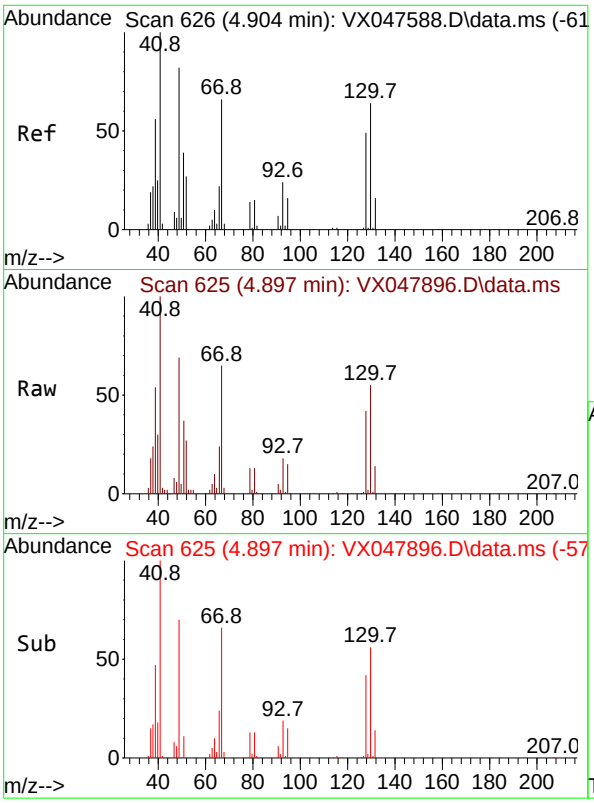


#40
Benzene
Concen: 52.564 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 78 Resp: 429759

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



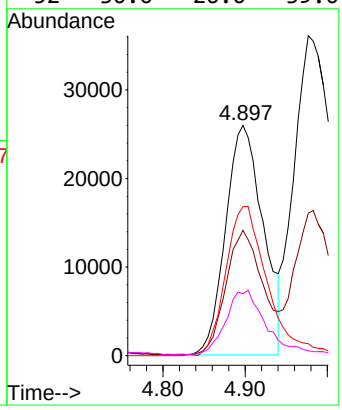


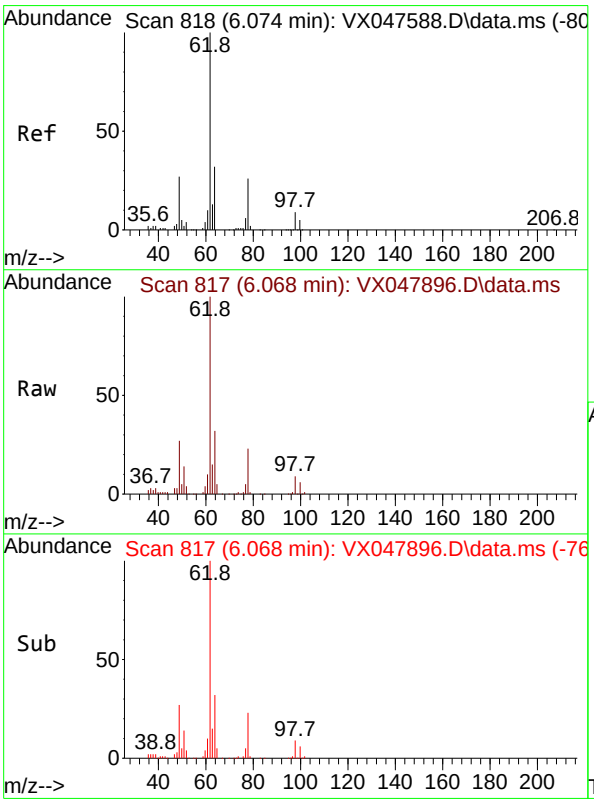
#41
Methacrylonitrile
Concen: 55.402 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 82436

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	72.9	58.6	87.8
52	30.0	26.0	39.0

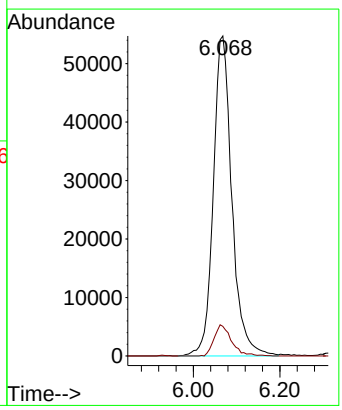


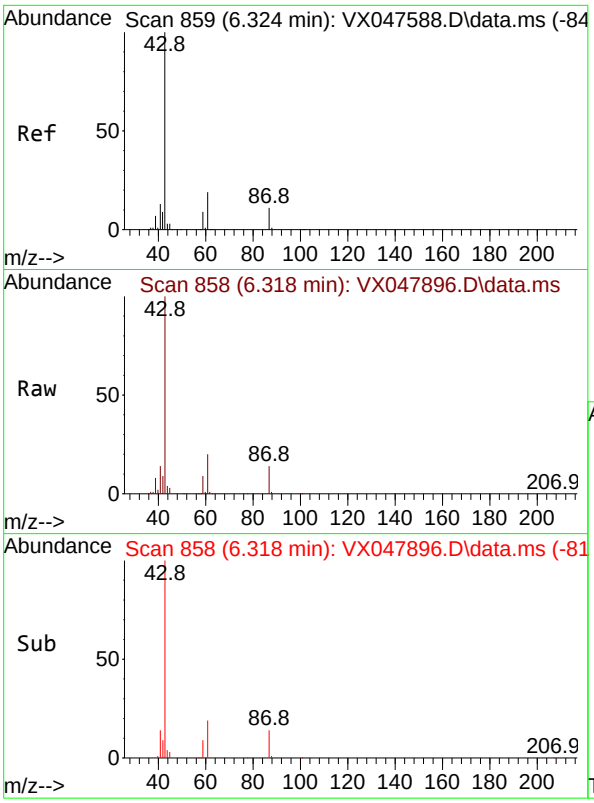


#42
1,2-Dichloroethane
Concen: 52.407 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 163028

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



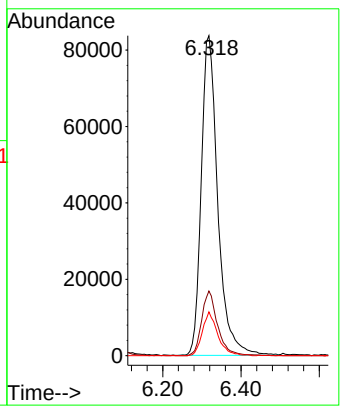


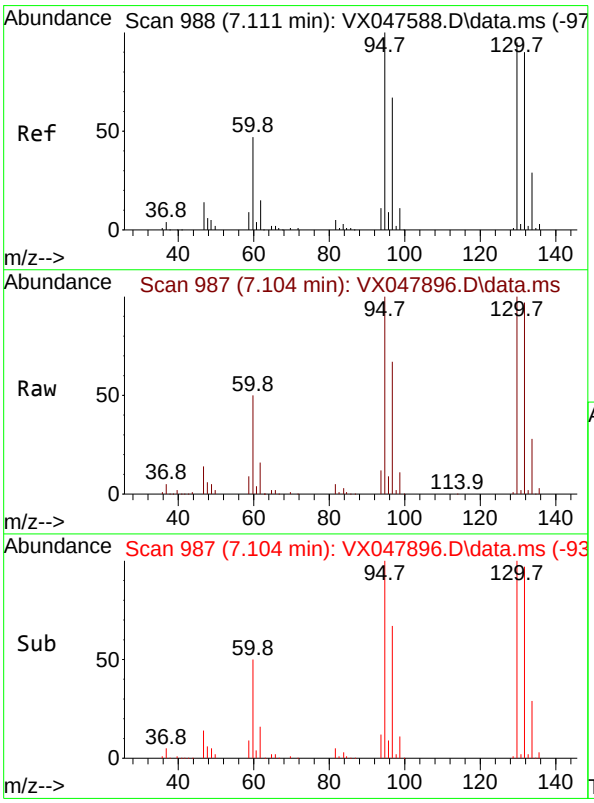
#43
Isopropyl Acetate
Concen: 51.856 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 245123

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.8	9.6	14.4

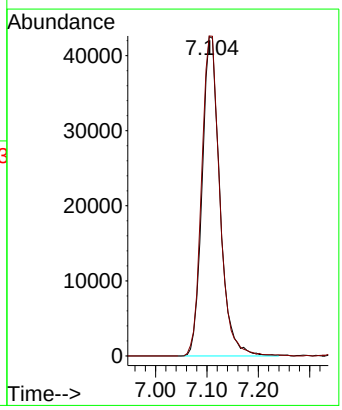


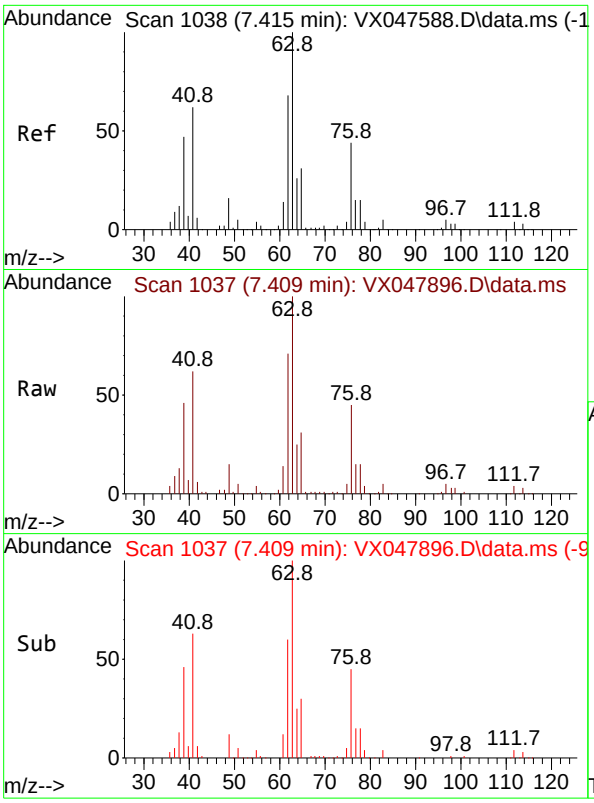


#44
Trichloroethene
Concen: 51.493 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:130 Resp: 101783

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	210.8



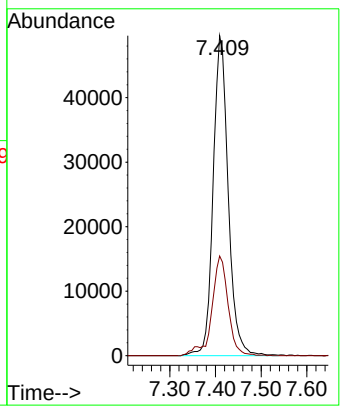


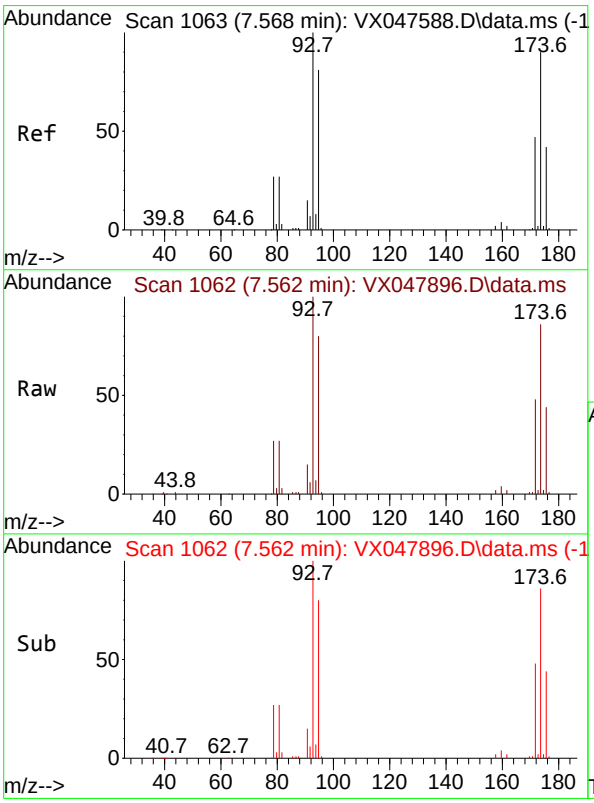
#45
1,2-Dichloropropane
Concen: 54.152 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 113369

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

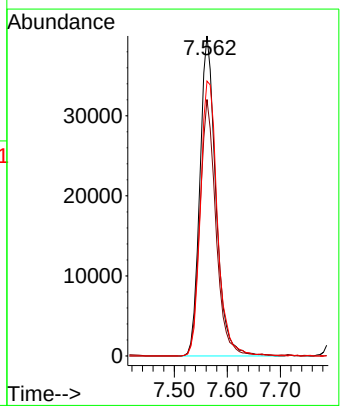


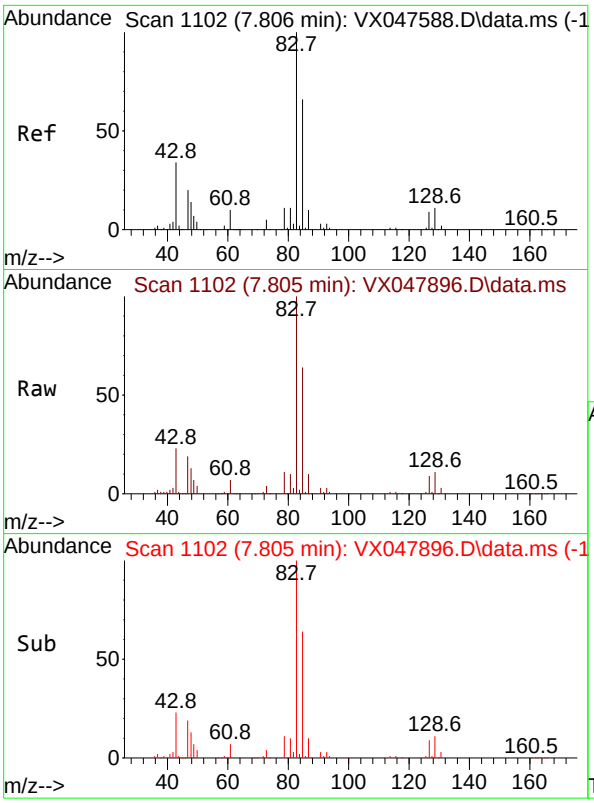


#46
Dibromomethane
Concen: 55.050 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 93 Resp: 83867

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.0	97.6
174	91.2	71.6	107.4



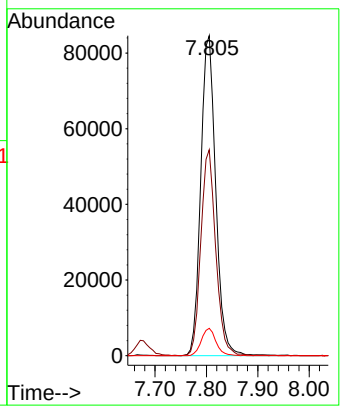


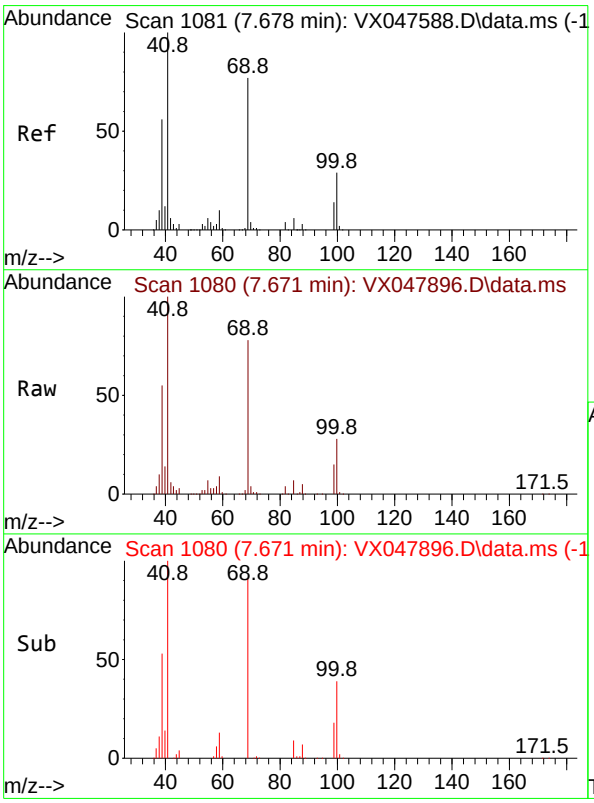
#47
Bromodichloromethane
Concen: 54.329 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 170796

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.5	6.9	10.3

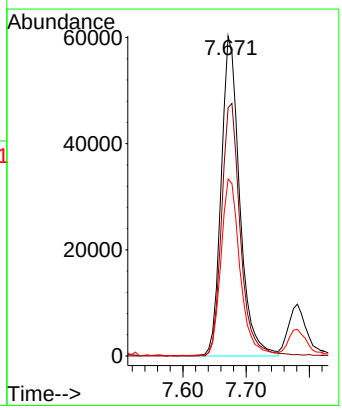


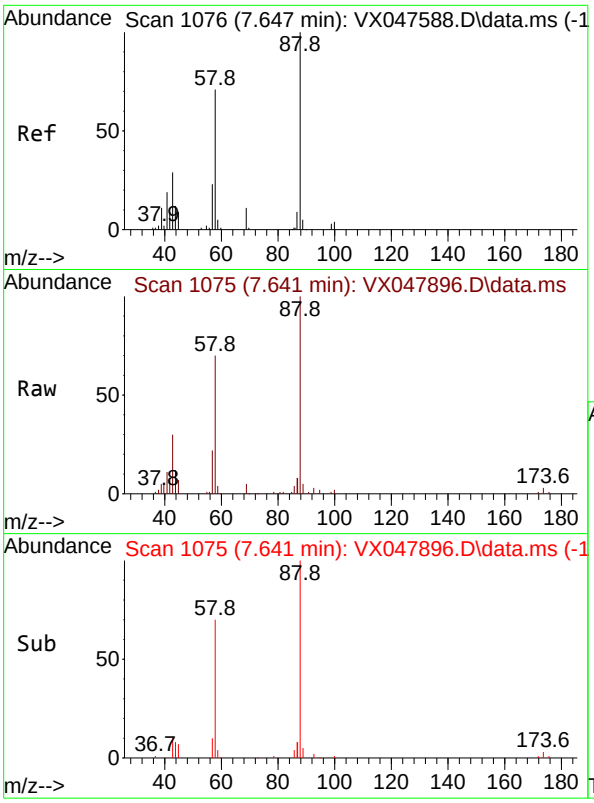


#48
Methyl methacrylate
Concen: 51.936 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 122288

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.8	45.8	68.6



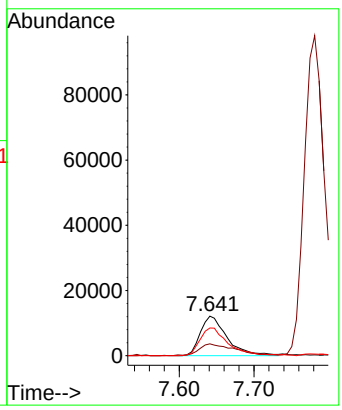


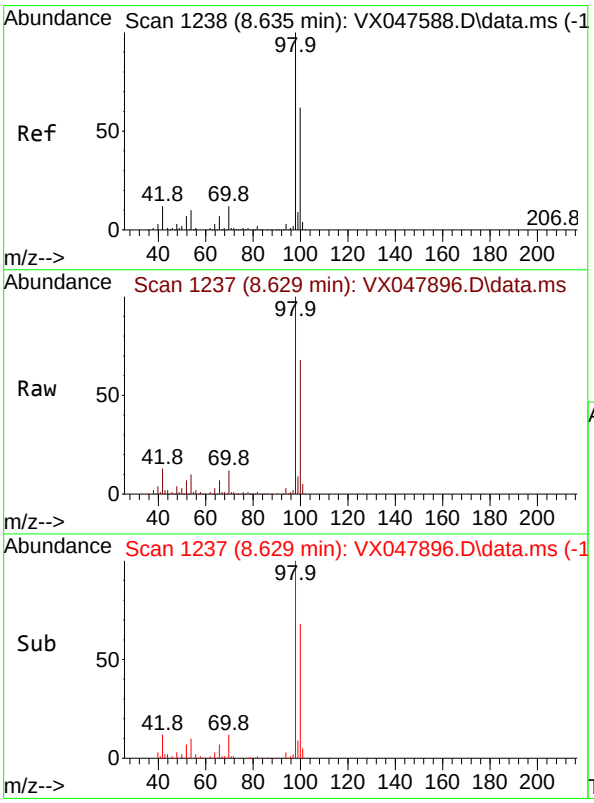
#49
1,4-Dioxane
Concen: 1262.927 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 30052

Ion	Ratio	Lower	Upper
88	100		
43	40.3	30.2	45.2
58	74.5	59.5	89.3

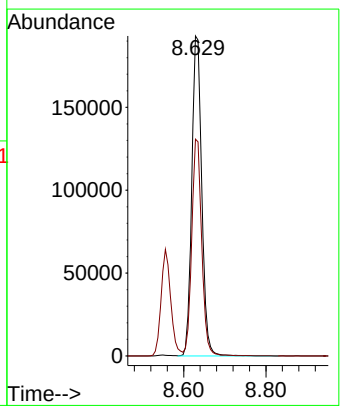


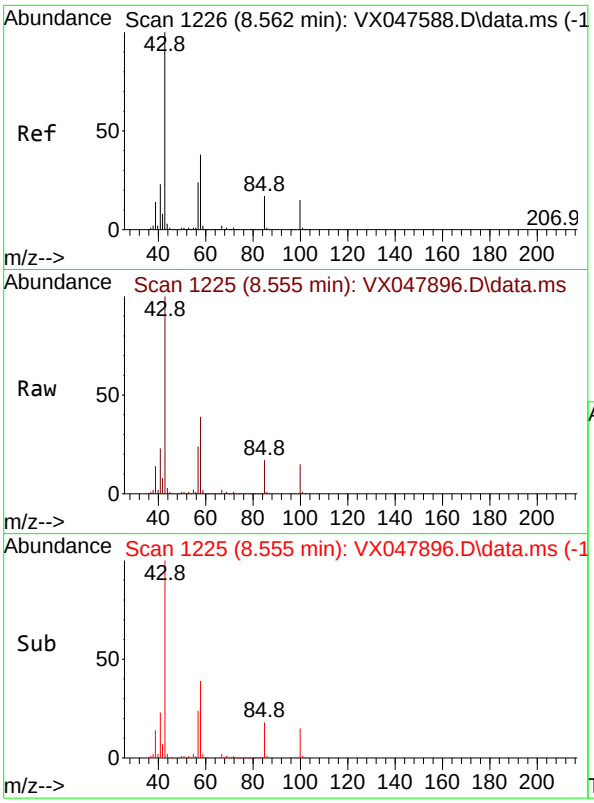


#50
Toluene-d8
Concen: 51.009 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 98 Resp: 325148

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4



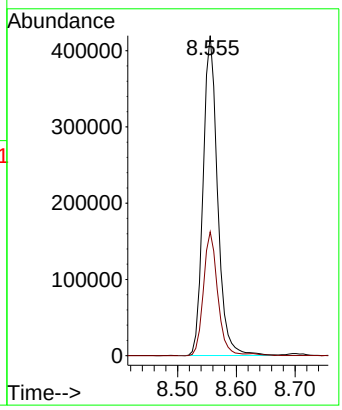


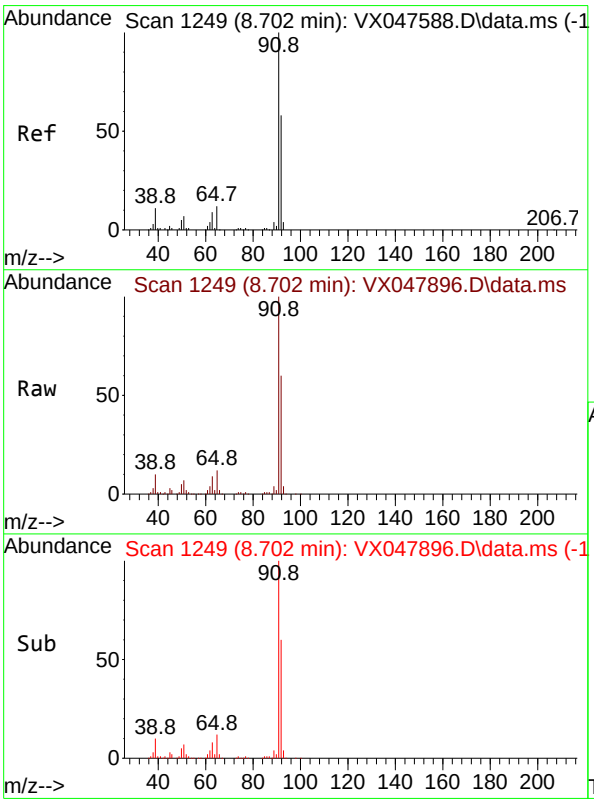
#51
4-Methyl-2-Pentanone
Concen: 274.485 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 719388

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

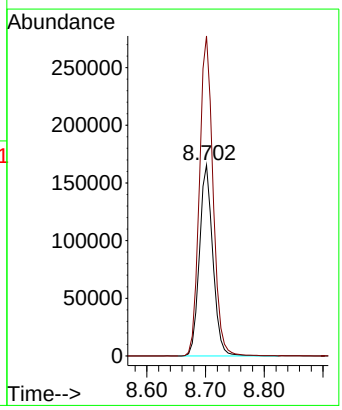


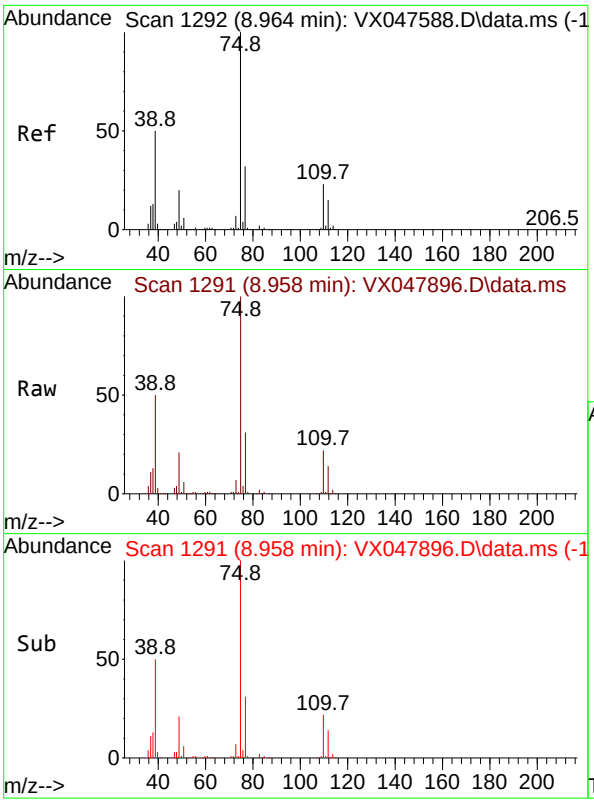


#52
Toluene
Concen: 52.039 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 92 Resp: 262130

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.1	205.7



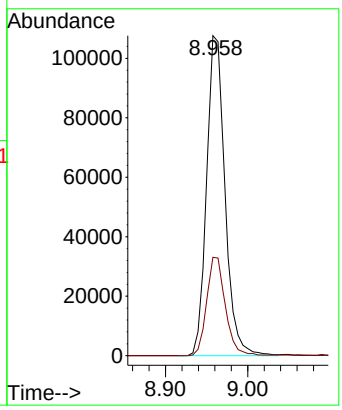


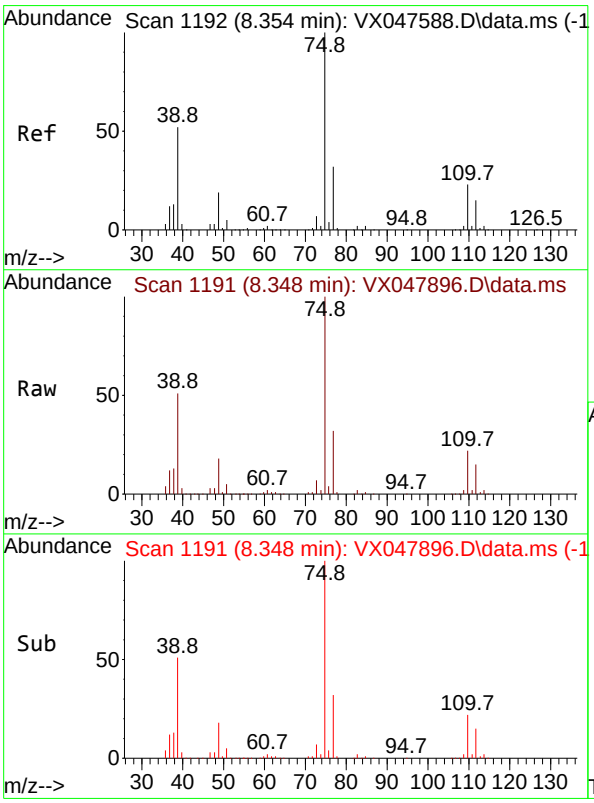
#53
t-1,3-Dichloropropene
Concen: 52.199 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 167386

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2

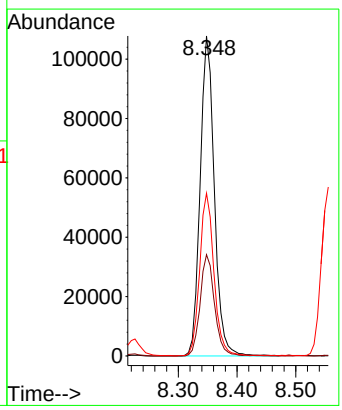


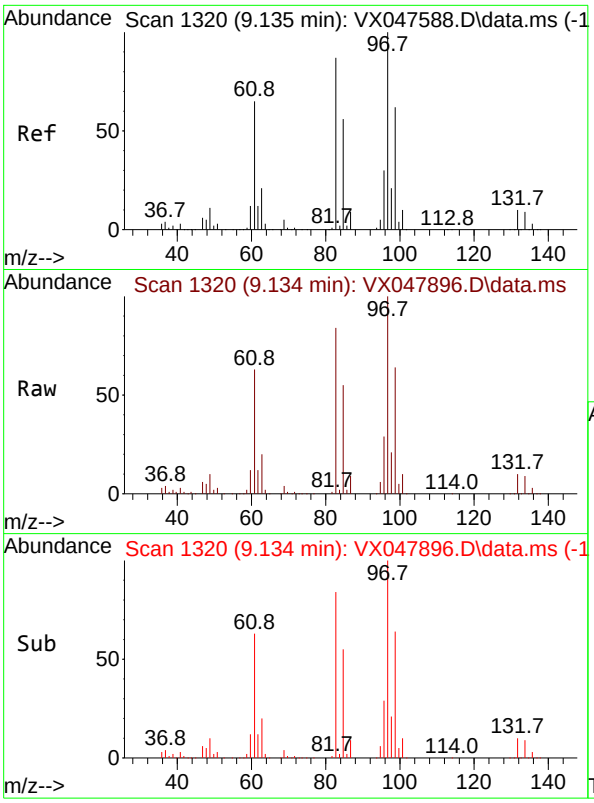


#54
cis-1,3-Dichloropropene
Concen: 52.821 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 181042

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	50.8	41.4	62.2



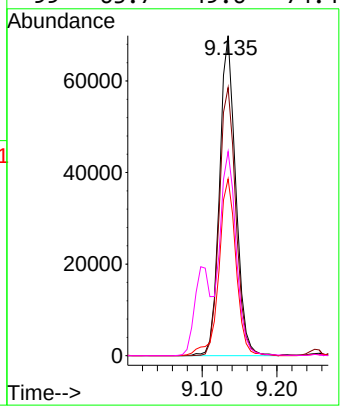


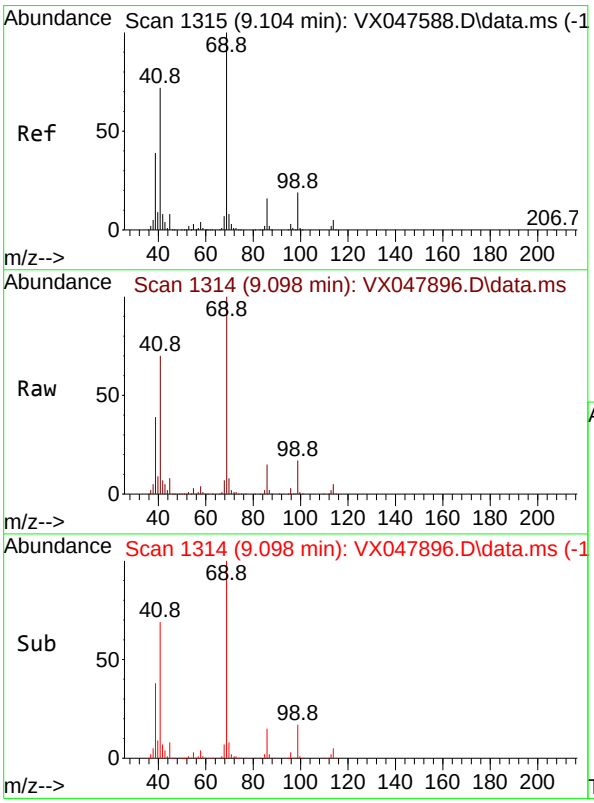
#55
1,1,2-Trichloroethane
Concen: 54.267 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 105403

Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.6	104.4
85	55.3	45.0	67.6
99	63.7	49.6	74.4

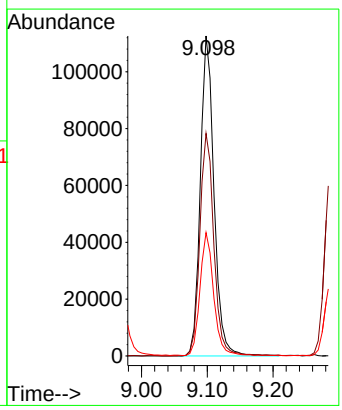


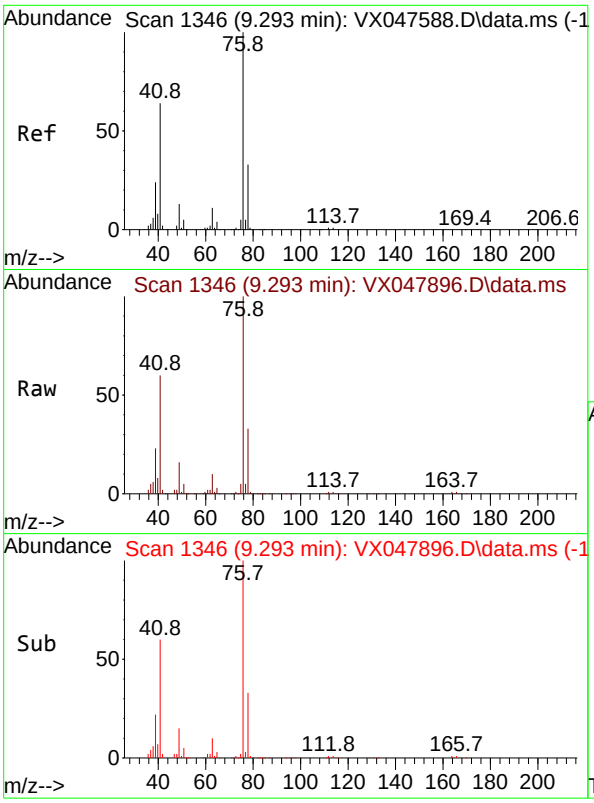


#56
Ethyl methacrylate
Concen: 53.463 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 69 Resp: 163078

Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	38.9	31.5	47.3



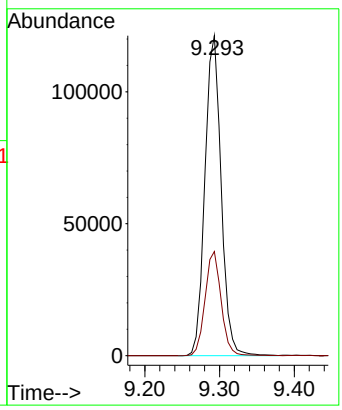


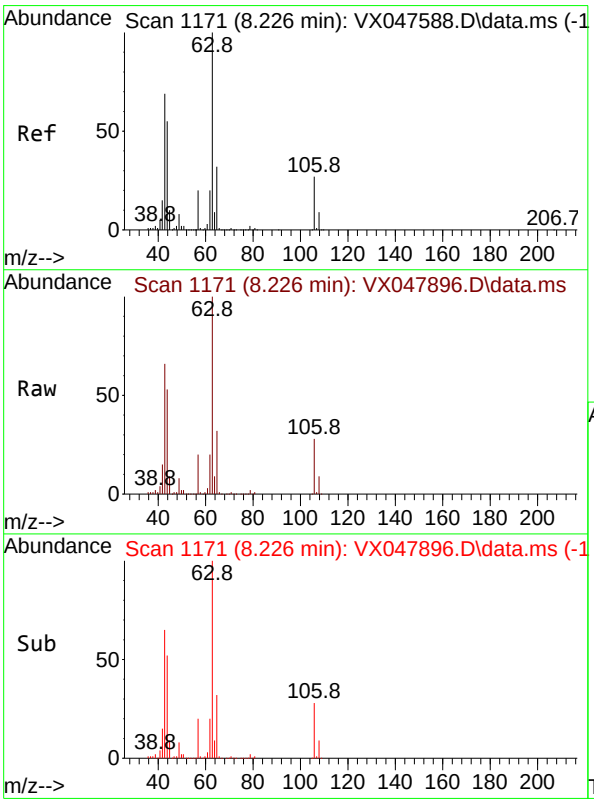
#57
1,3-Dichloropropane
Concen: 54.741 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 182646

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

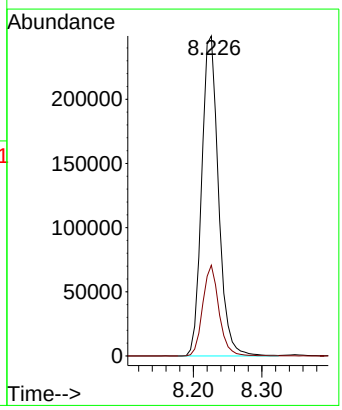


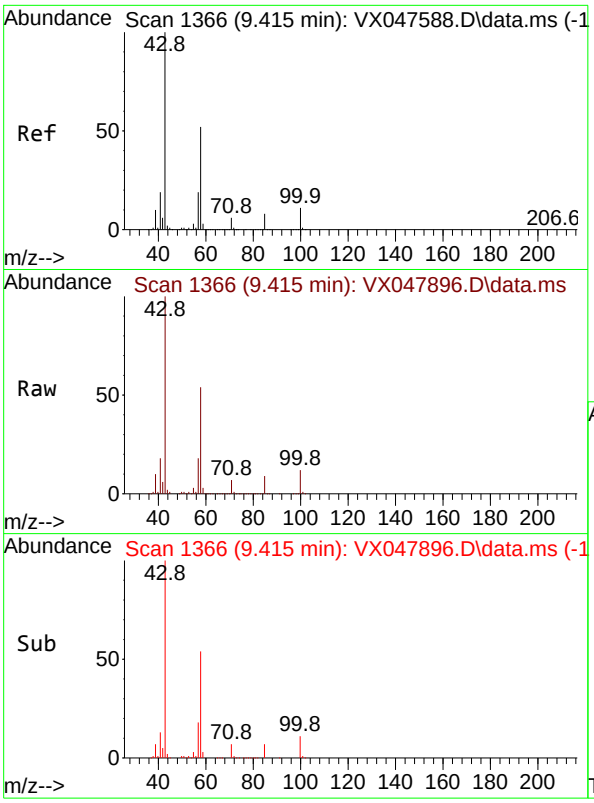


#58
2-Chloroethyl Vinyl ether
Concen: 288.987 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 425504

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



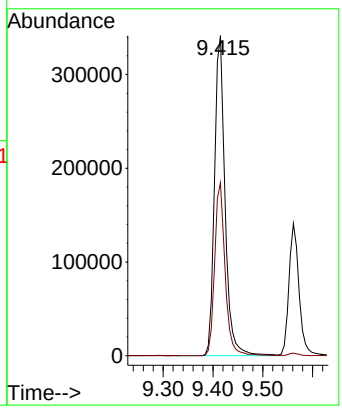


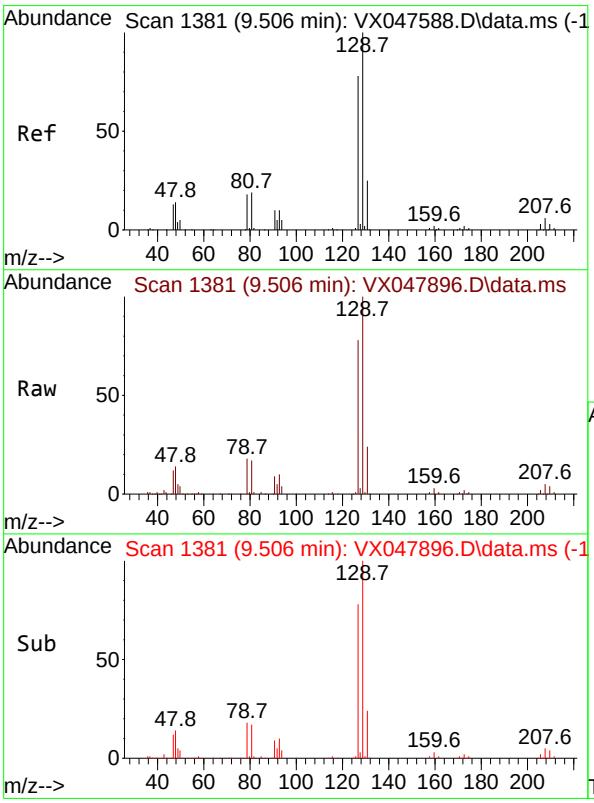
#59
2-Hexanone
Concen: 267.273 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 503092

Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.1	78.2

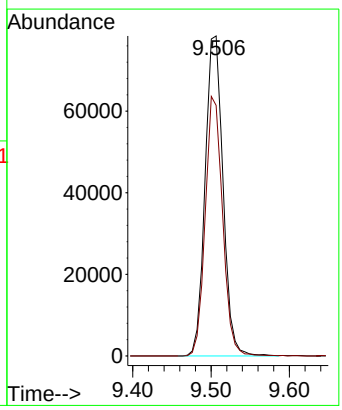


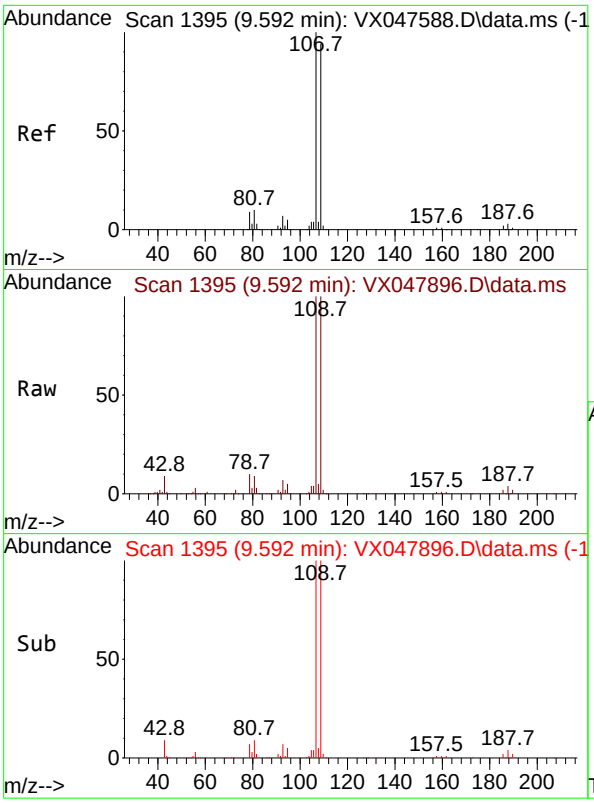


#60
Dibromochloromethane
Concen: 55.448 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:129 Resp: 124090

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



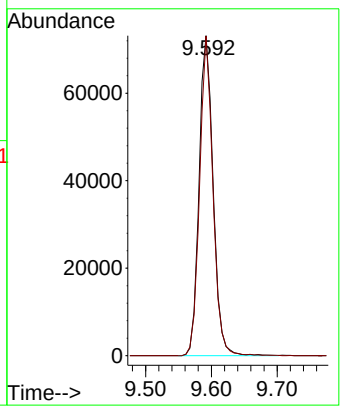


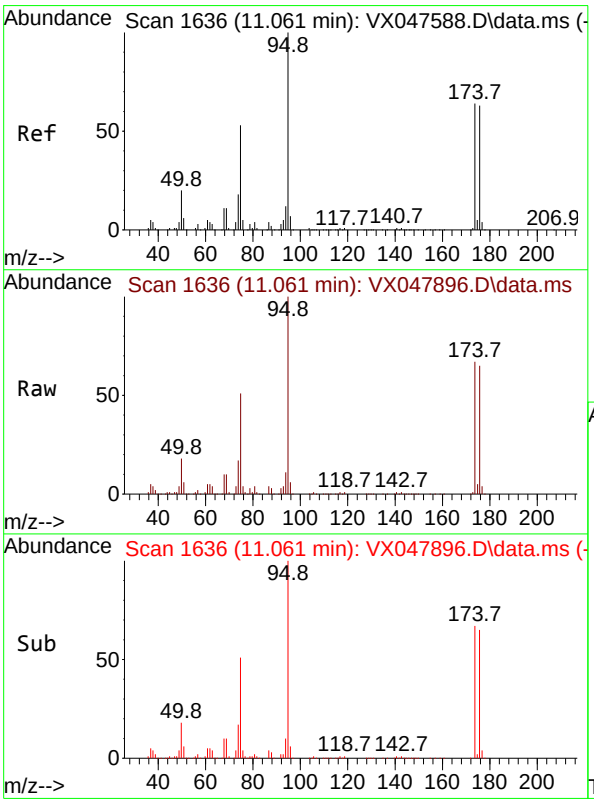
#61
1,2-Dibromoethane
Concen: 54.903 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 108616

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

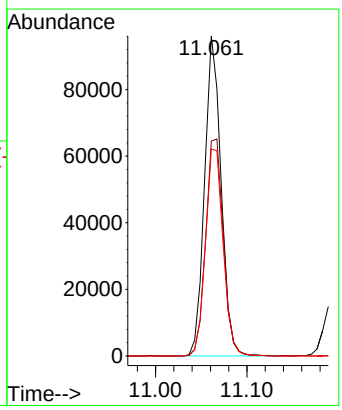


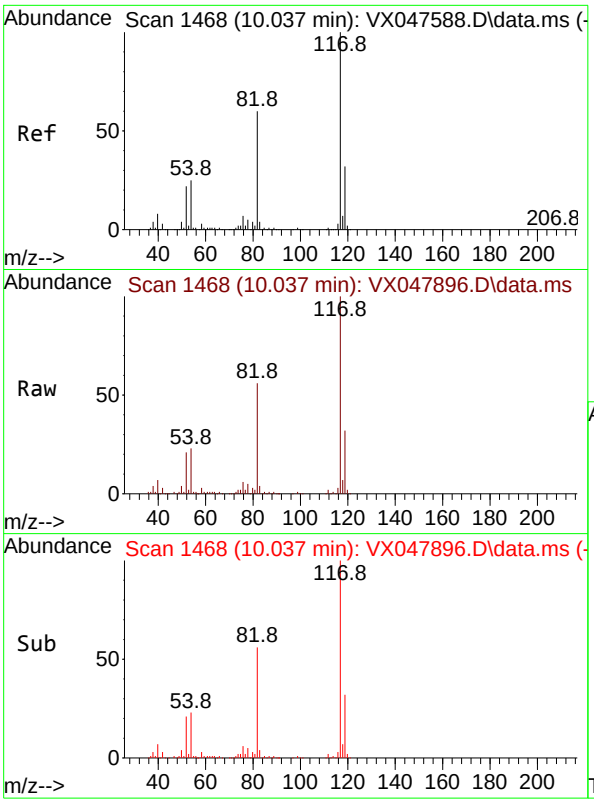


#62
4-Bromofluorobenzene
Concen: 49.687 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 95 Resp: 120201

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.6
176	69.3	0.0	138.4



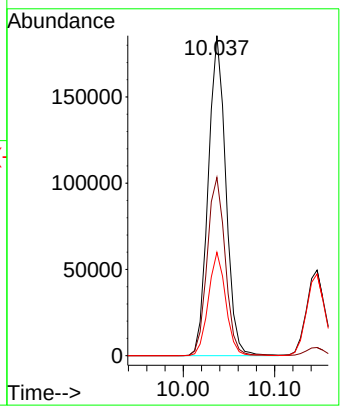


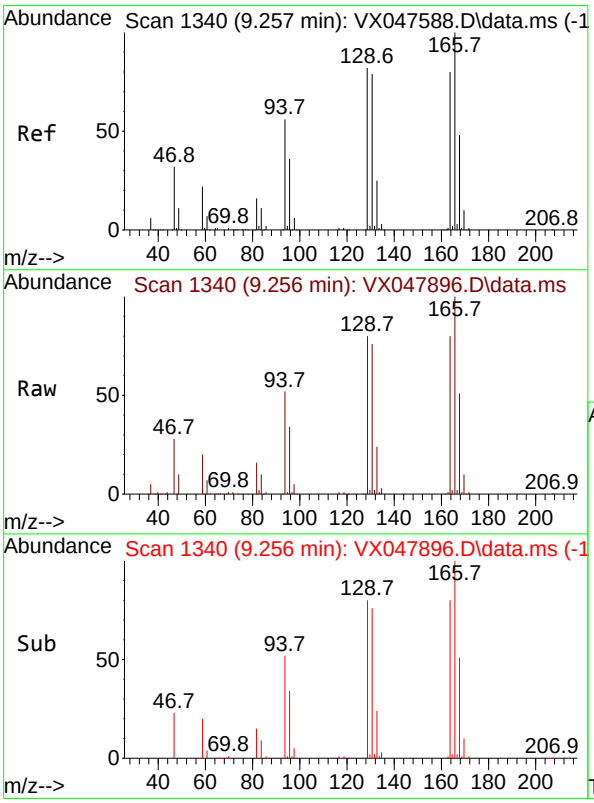
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 247069

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.3	25.2	37.8

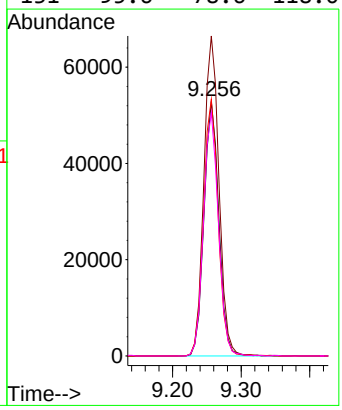


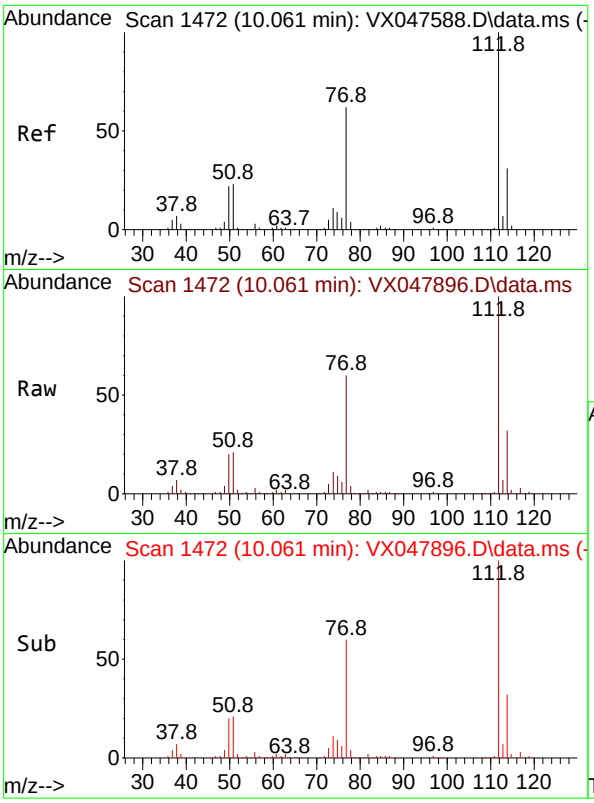


#64
Tetrachloroethene
Concen: 49.476 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:164 Resp: 79687

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.2	150.2
129	100.8	81.8	122.6
131	95.6	78.6	118.0



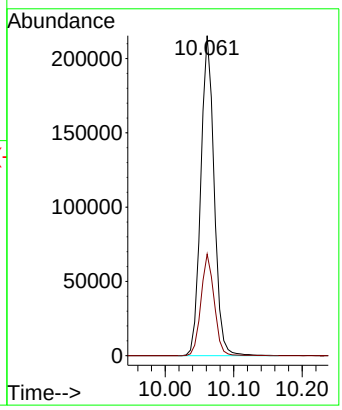


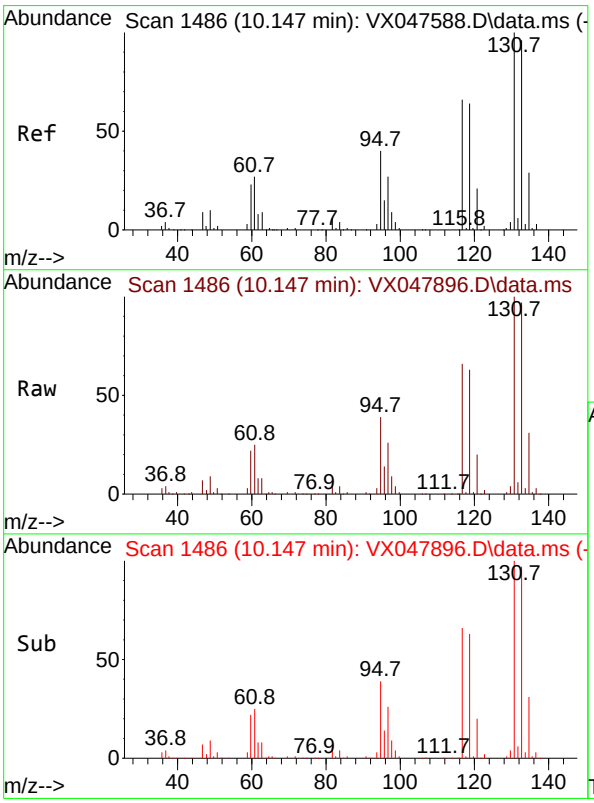
#65
Chlorobenzene
Concen: 52.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 292200

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7

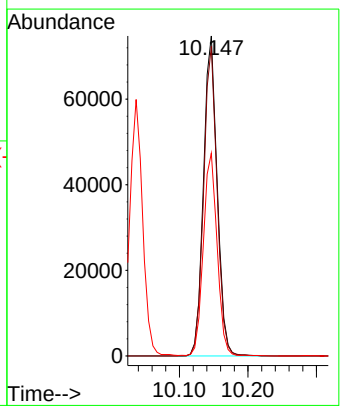


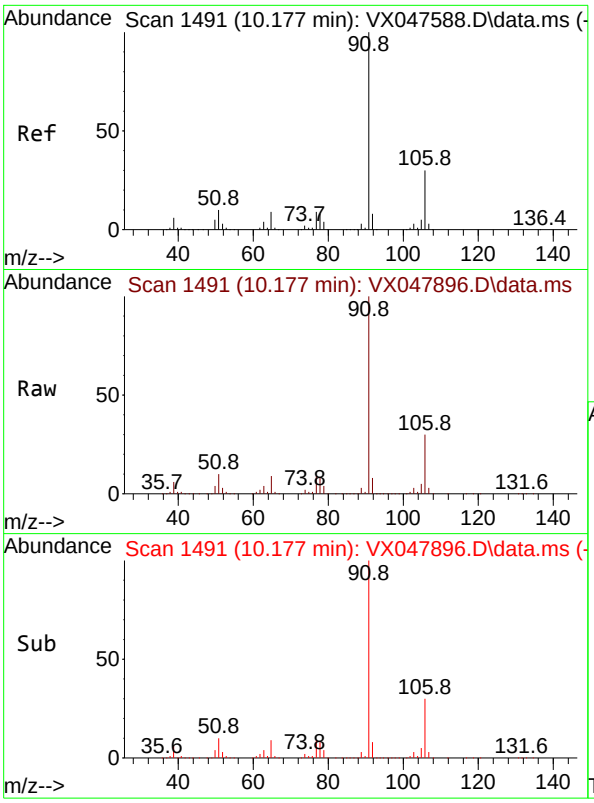


#66
1,1,1,2-Tetrachloroethane
Concen: 53.724 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:131 Resp: 104056

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.1	32.0	96.0



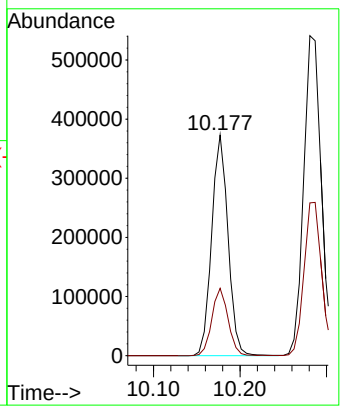


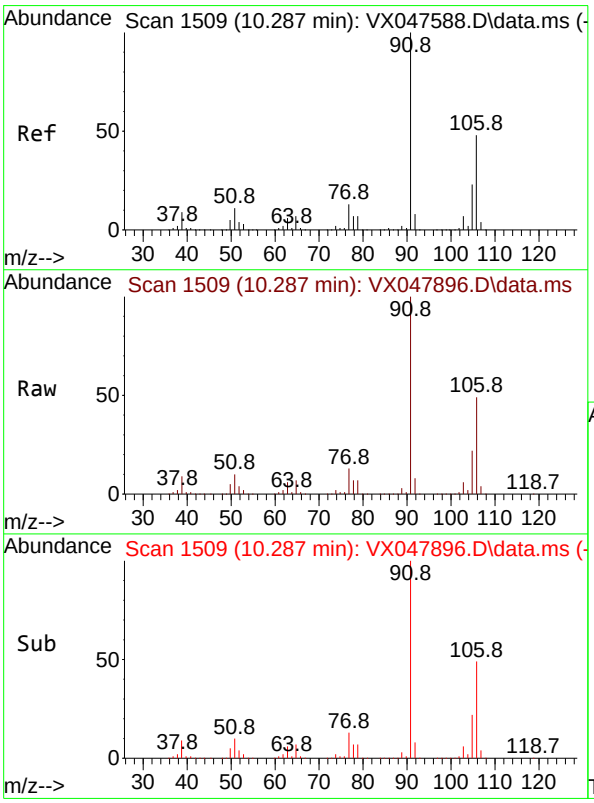
#67
Ethyl Benzene
Concen: 50.546 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 489523

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

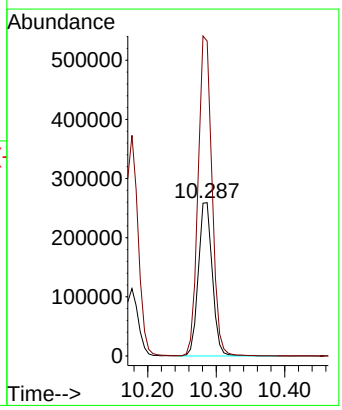


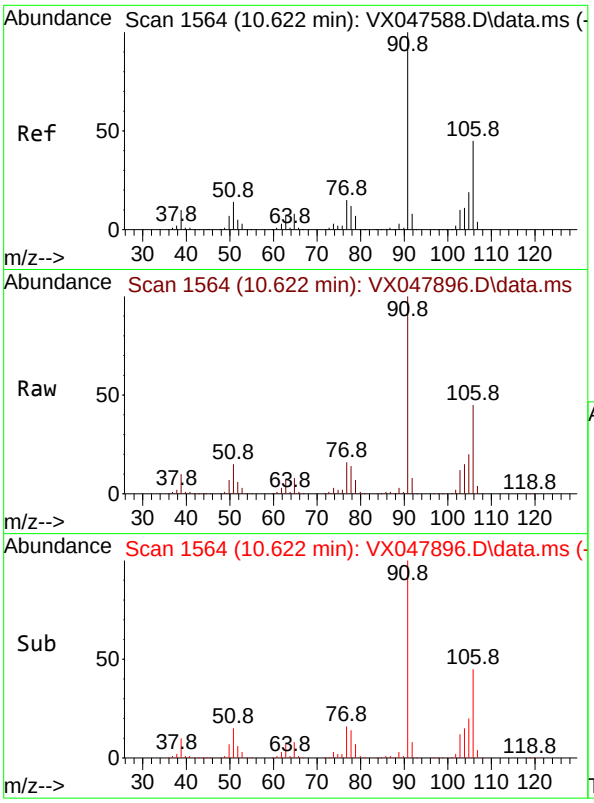


#68
m/p-Xylenes
Concen: 102.001 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:106 Resp: 367685

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.8	251.8



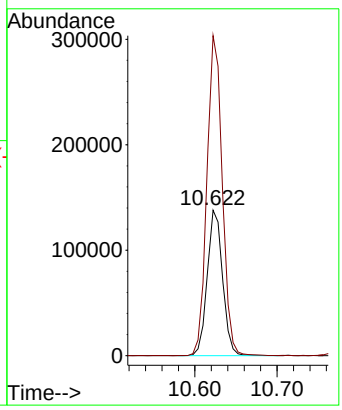


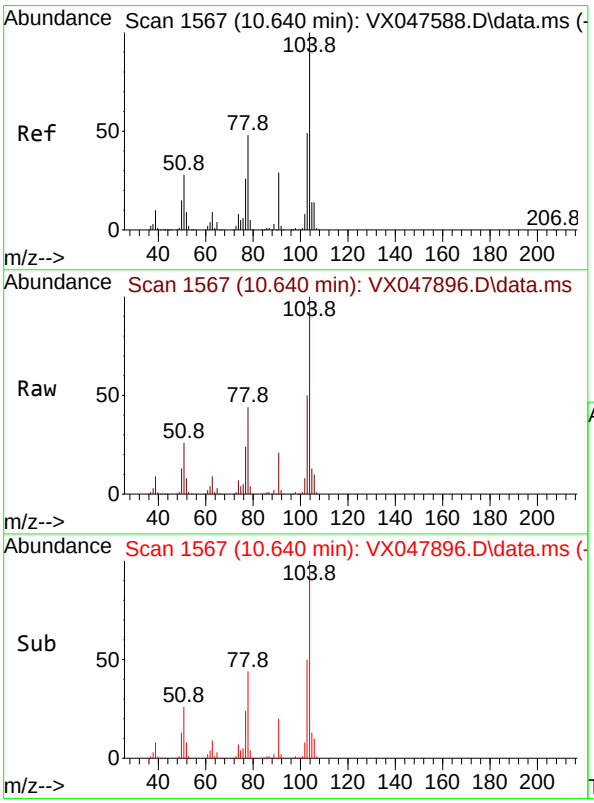
#69
o-Xylene
Concen: 51.259 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 178721

Ion	Ratio	Lower	Upper
106	100		
91	220.3	111.1	333.4

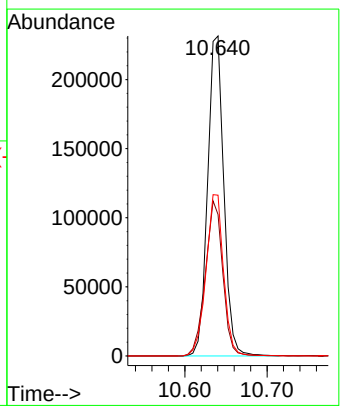


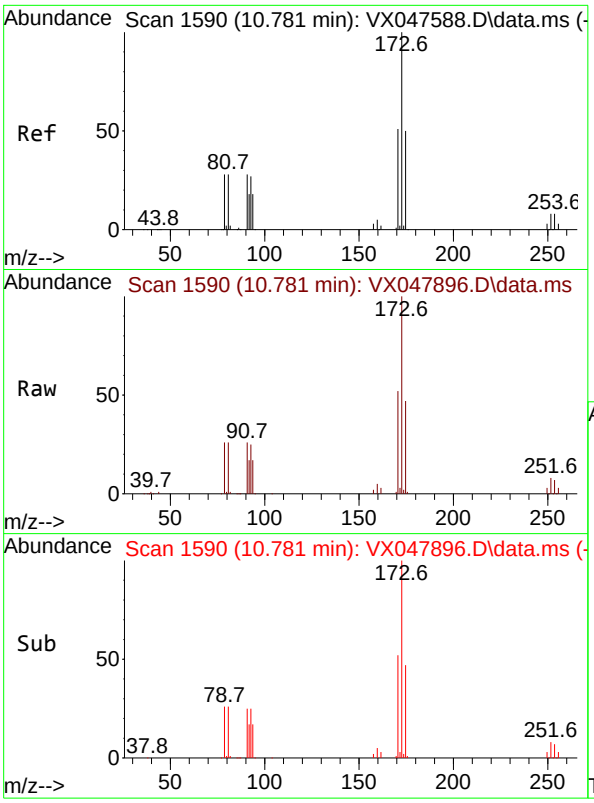


#70
Styrene
Concen: 51.876 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:104 Resp: 316919

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	54.8	43.1	64.7



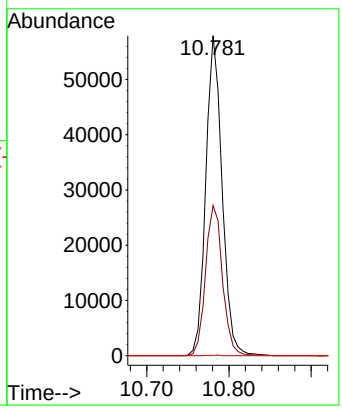


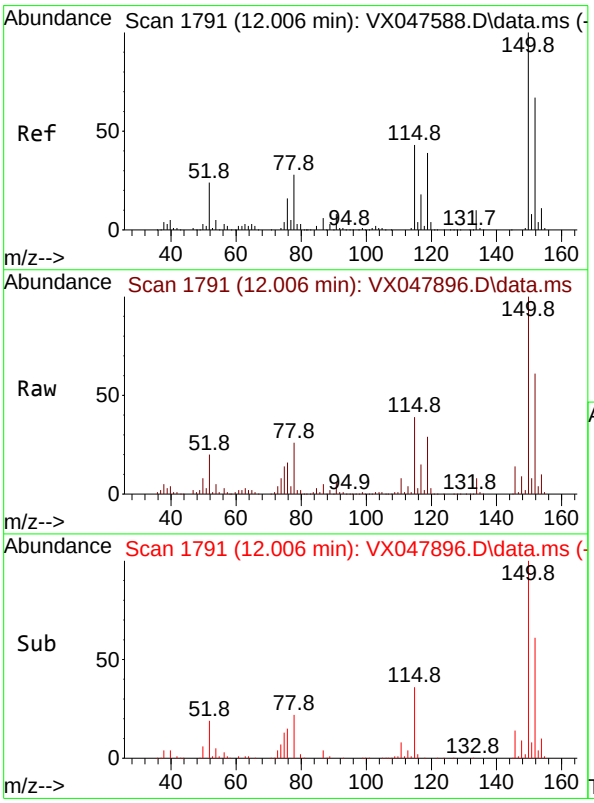
#71
Bromoform
Concen: 55.113 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79707

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.1	0.1	0.1

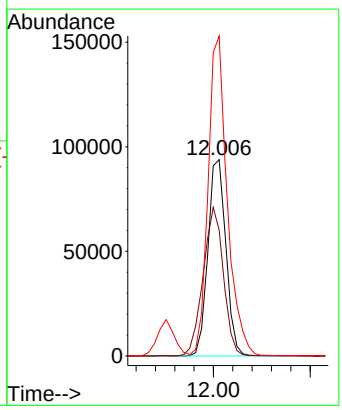


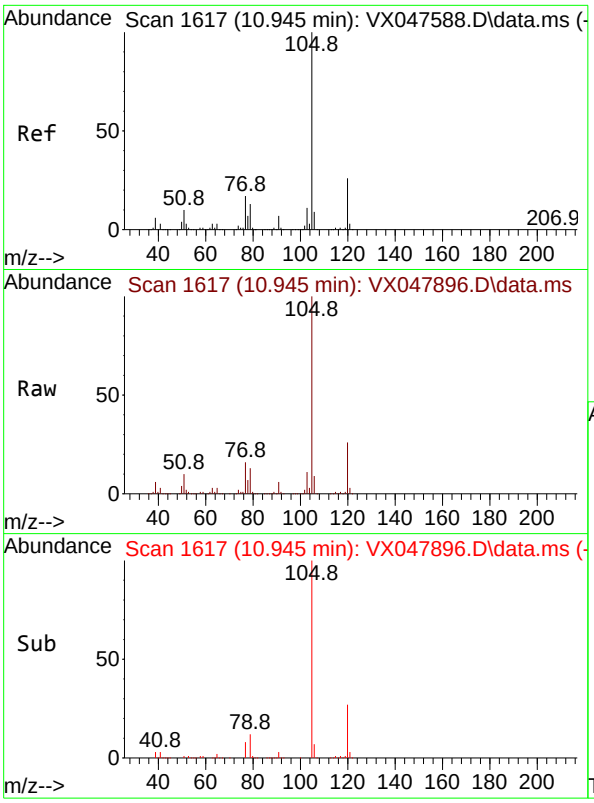


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:152 Resp: 121307

Ion	Ratio	Lower	Upper
152	100		
115	85.8	44.9	134.5
150	173.1	0.0	352.0



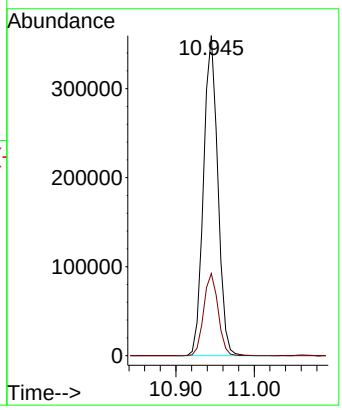


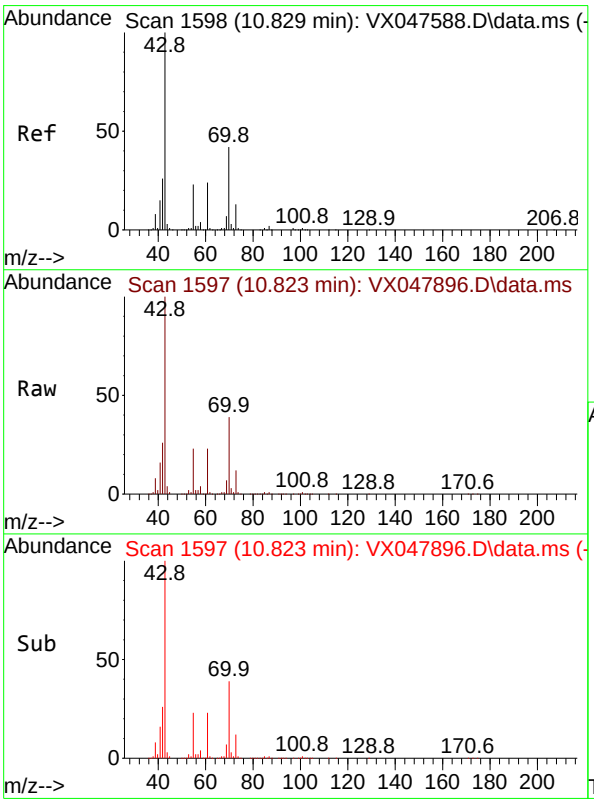
#73
Isopropylbenzene
Concen: 49.226 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 453987

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

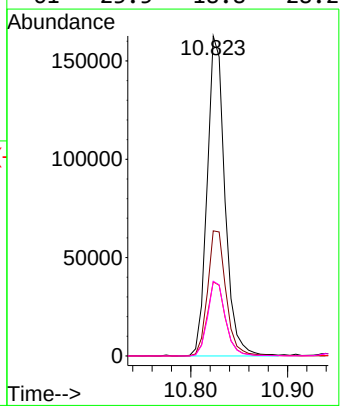


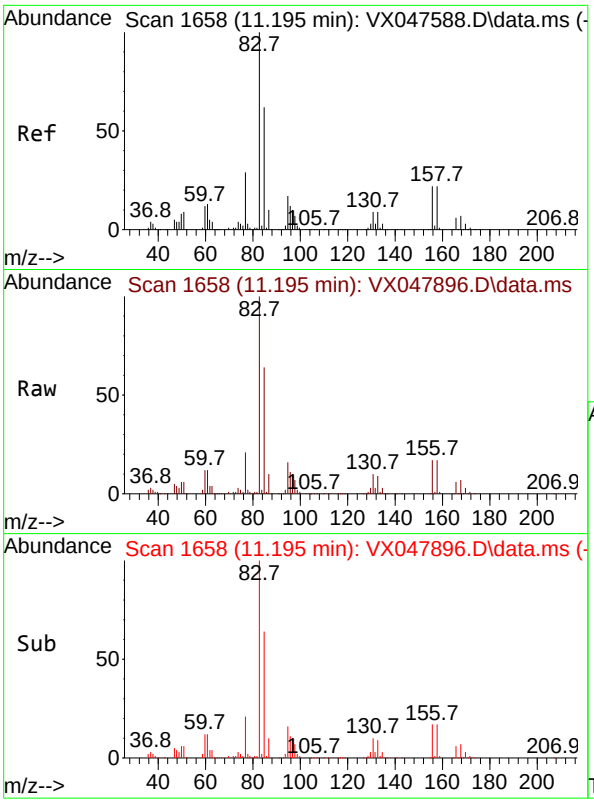


#74
N-amyl acetate
Concen: 49.310 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 207377

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.0	48.0
55	24.1	18.9	28.3
61	23.5	18.8	28.2



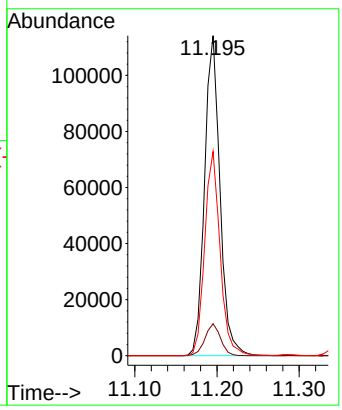


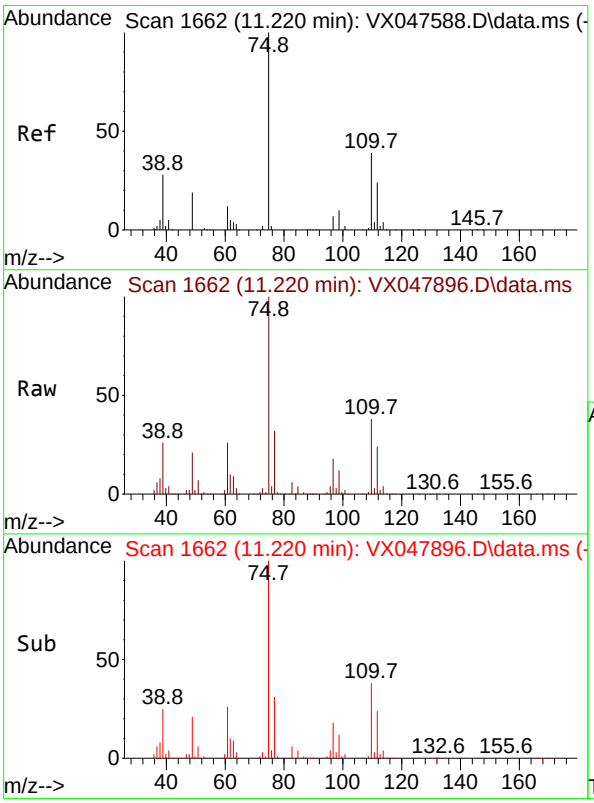
#75
1,1,2,2-Tetrachloroethane
Concen: 53.301 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148724

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.8	31.6	95.0

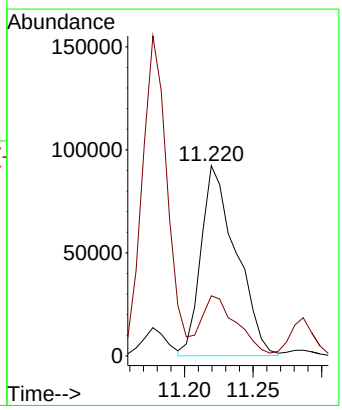


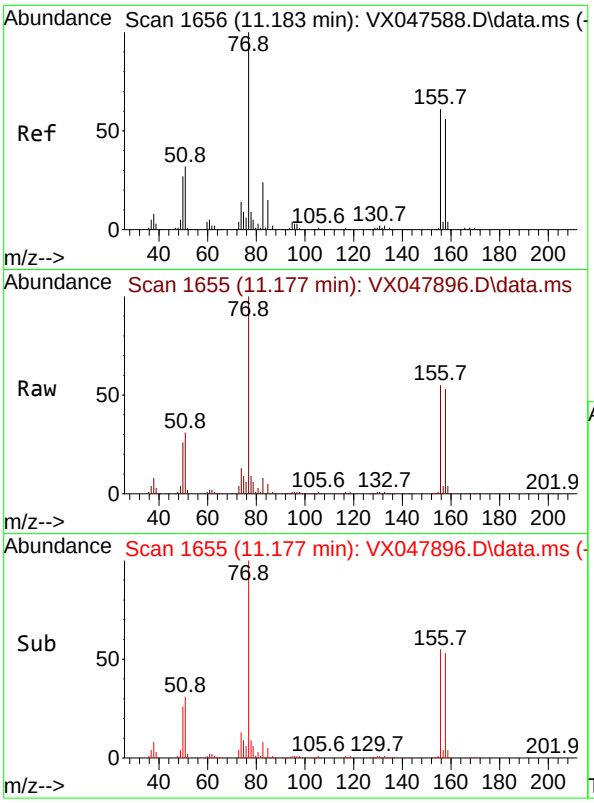


#76
1,2,3-Trichloropropane
Concen: 67.108 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 164823

Ion	Ratio	Lower	Upper
75	100		
77	32.2	18.8	56.4



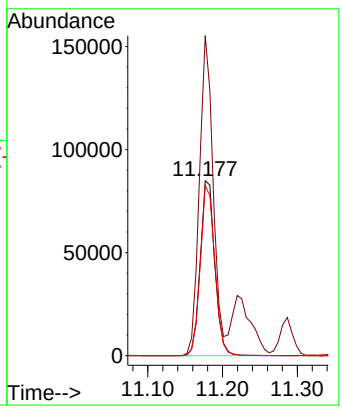


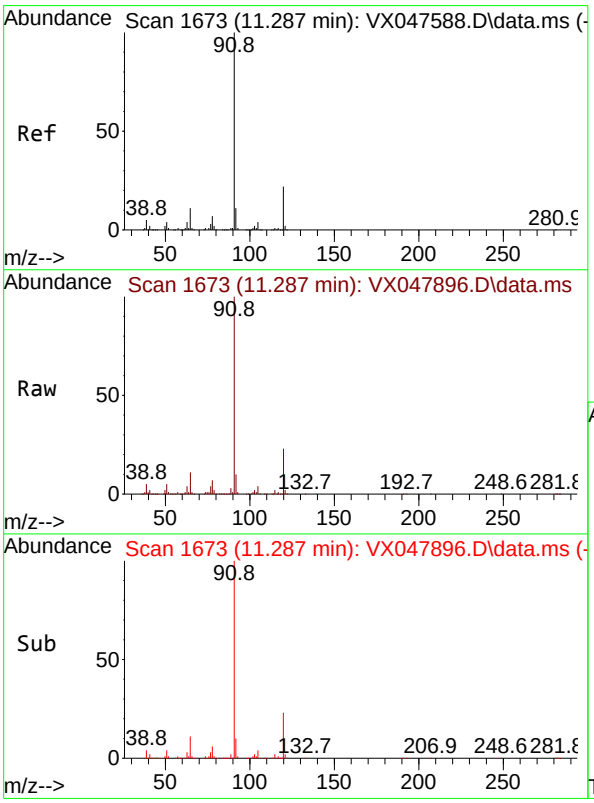
#77
Bromobenzene
Concen: 50.531 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 114778

Ion	Ratio	Lower	Upper
156	100		
77	171.9	89.7	269.1
158	96.9	47.9	143.6

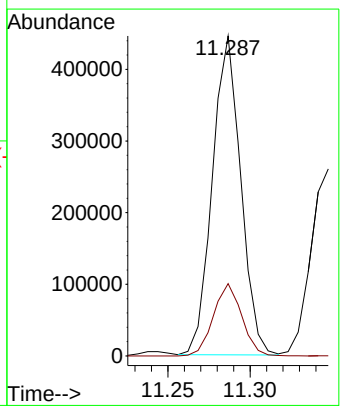


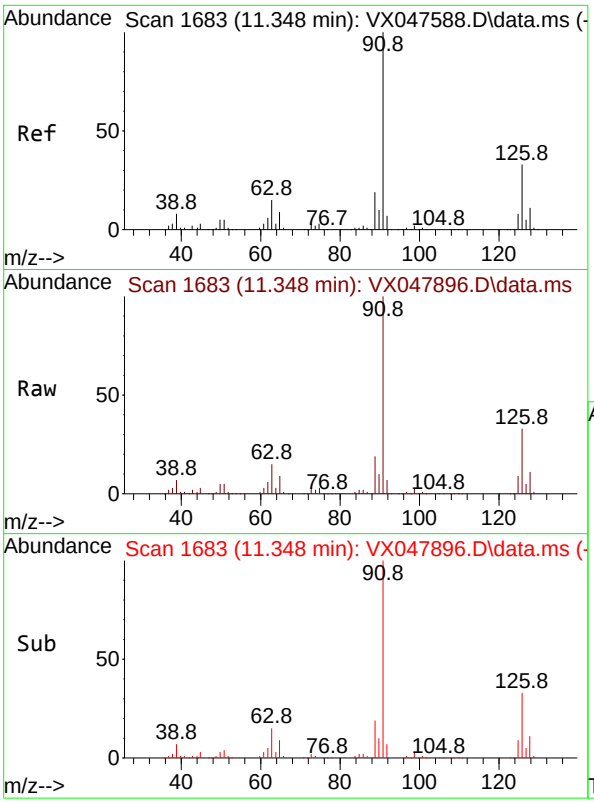


#78
n-propylbenzene
Concen: 49.018 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 534401

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



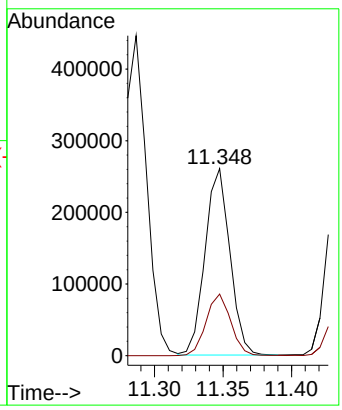


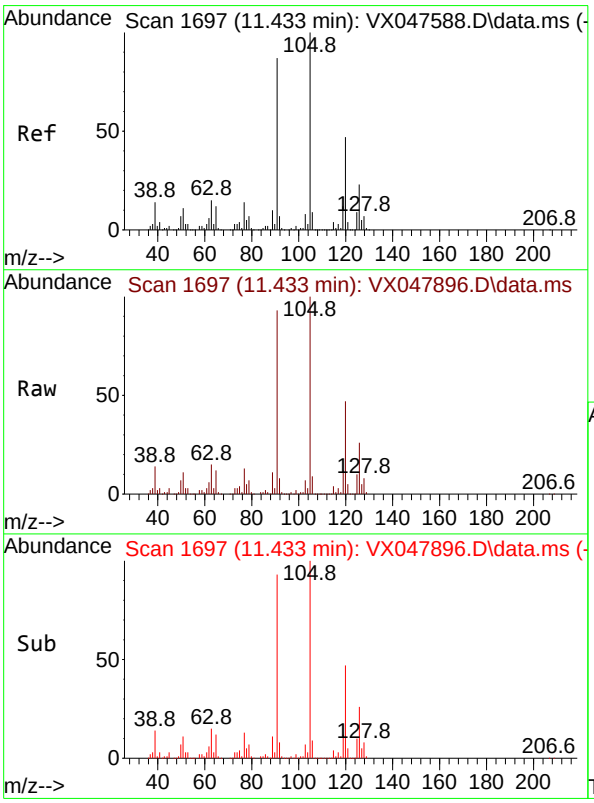
#79
2-Chlorotoluene
Concen: 49.125 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 328025

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

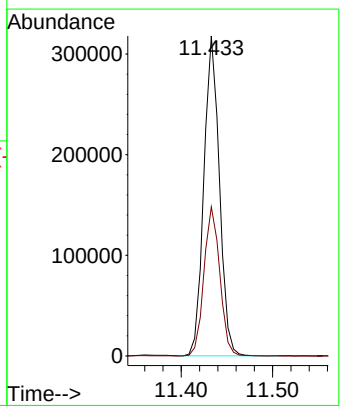


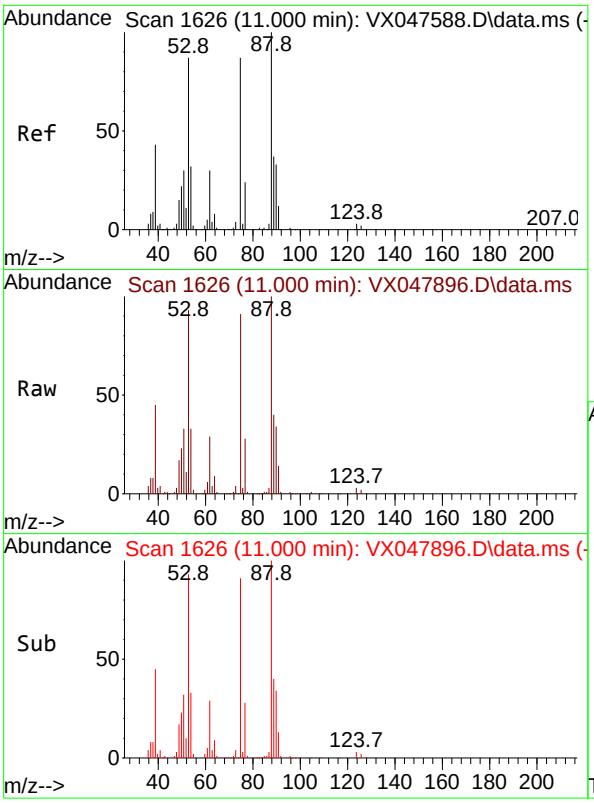


#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 375552

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



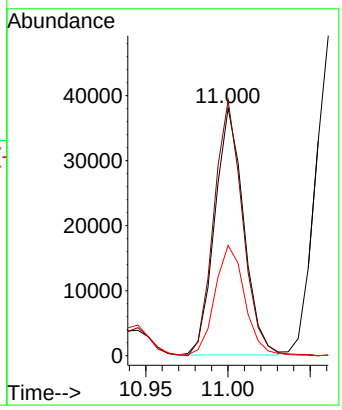


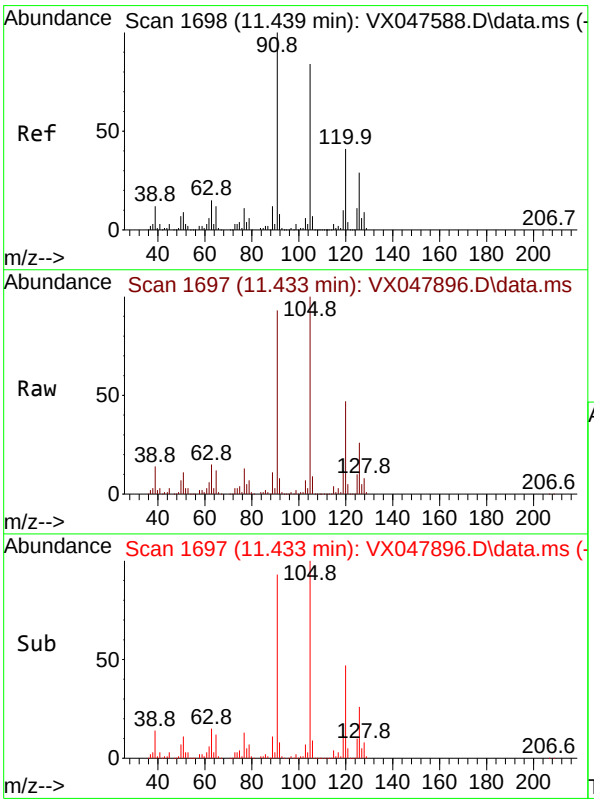
#81
trans-1,4-Dichloro-2-butene
Concen: 48.183 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 46406

Ion	Ratio	Lower	Upper
75	100		
53	102.9	83.4	125.2
89	46.1	36.3	54.5

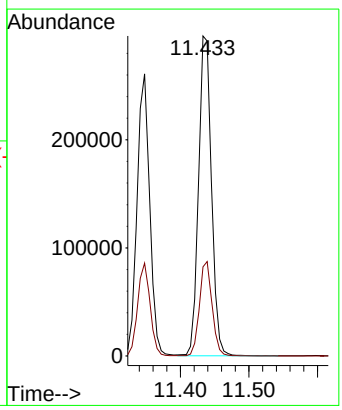


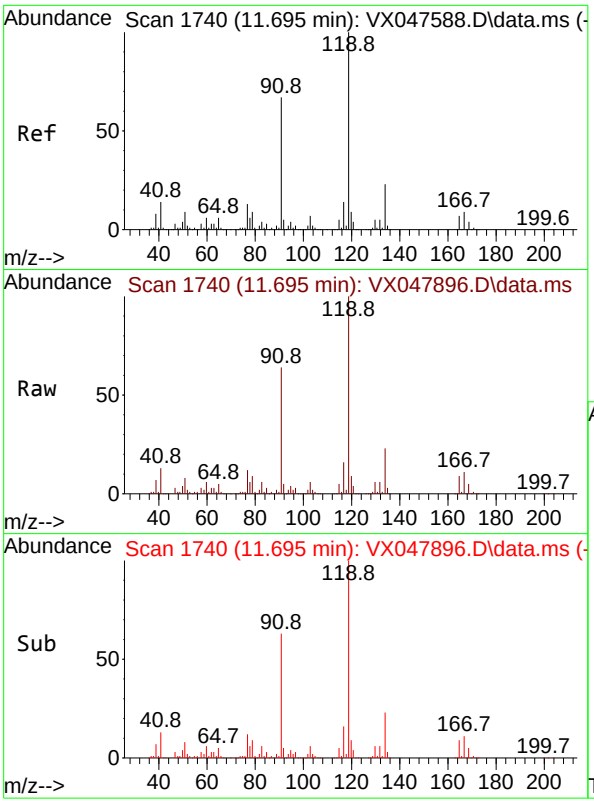


#82
4-Chlorotoluene
Concen: 49.396 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 389550

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6



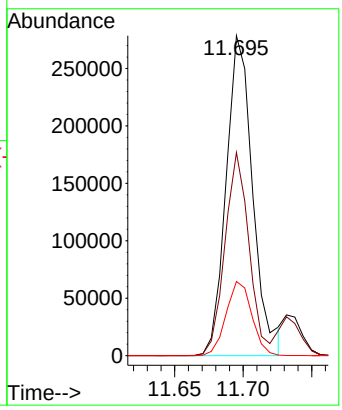


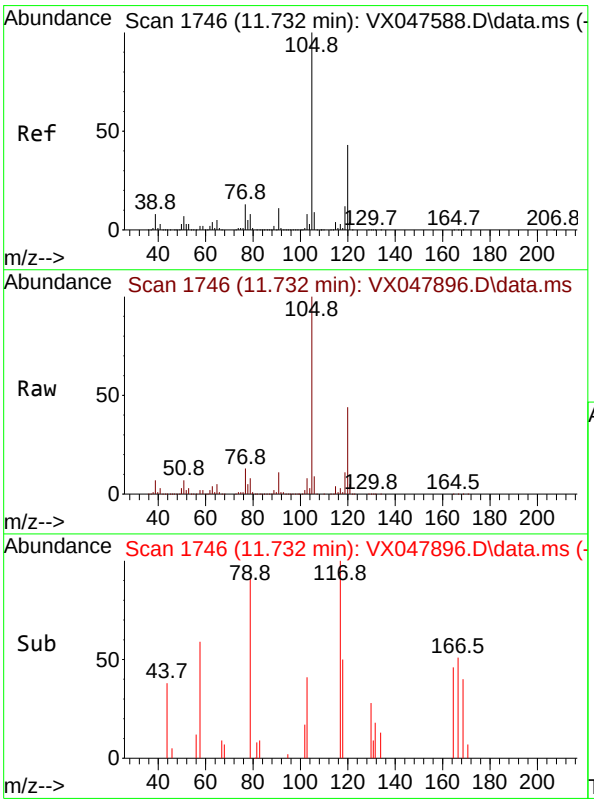
#83
tert-Butylbenzene
Concen: 48.542 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 376514

Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.6	88.8
134	22.5	11.0	33.0

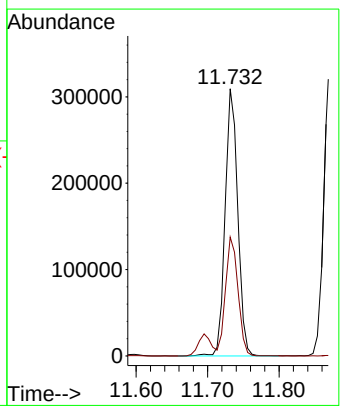


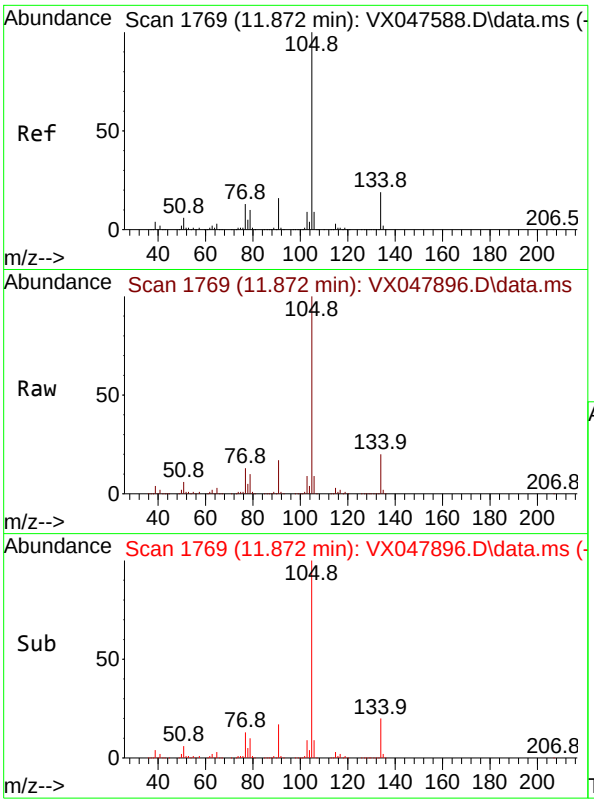


#84
1,2,4-Trimethylbenzene
Concen: 49.378 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 379320

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1



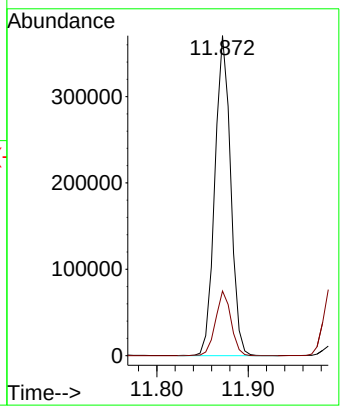


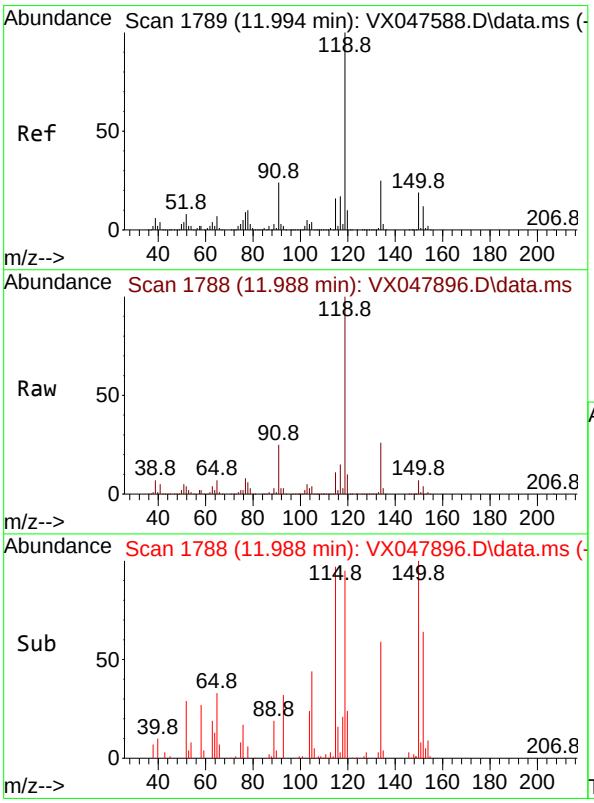
#85
sec-Butylbenzene
Concen: 48.154 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 443652

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

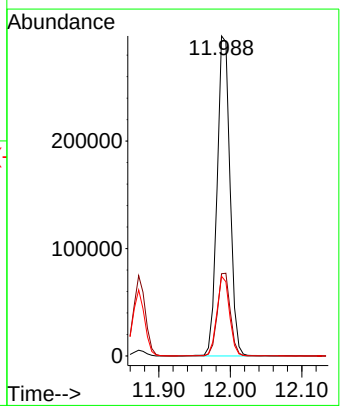


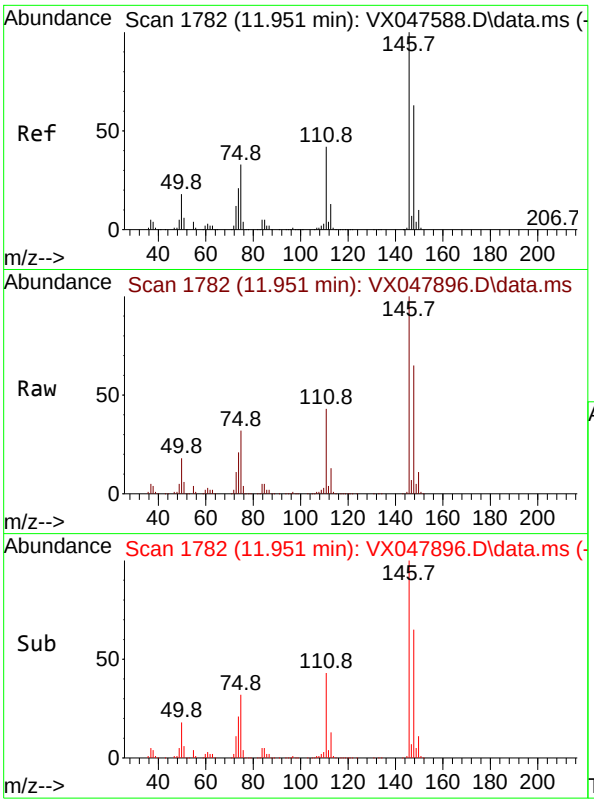


#86
p-Isopropyltoluene
Concen: 47.687 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:119 Resp: 371954

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.3	12.6	37.6



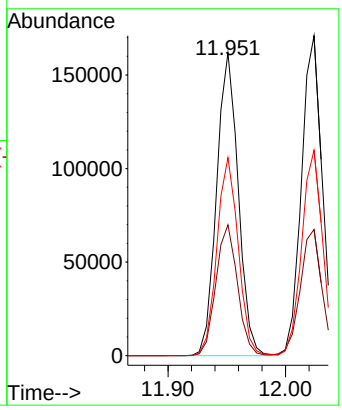


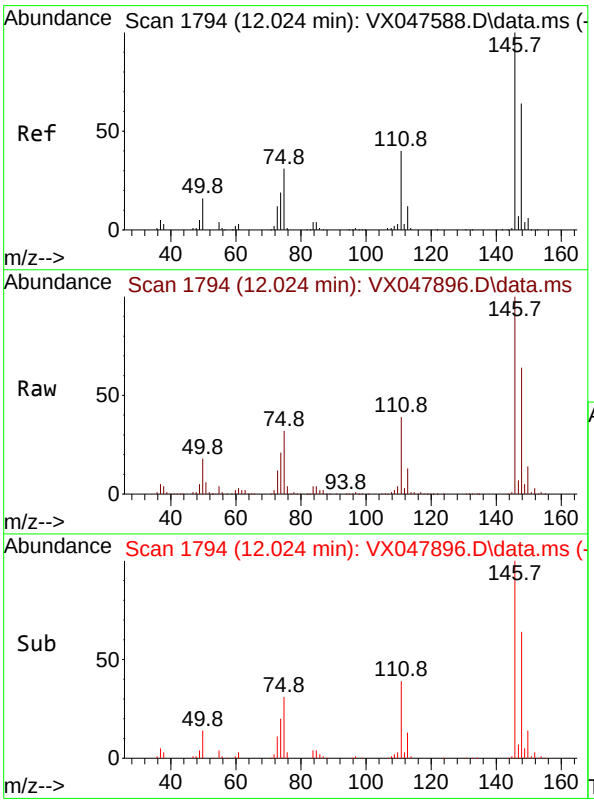
#87
1,3-Dichlorobenzene
Concen: 49.112 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 207204

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.5	32.0	96.0

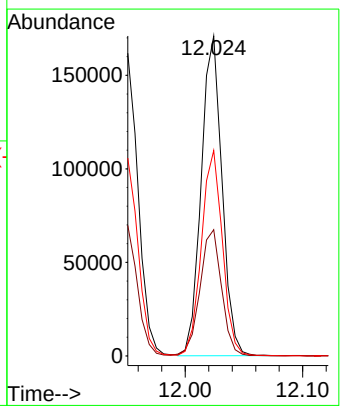


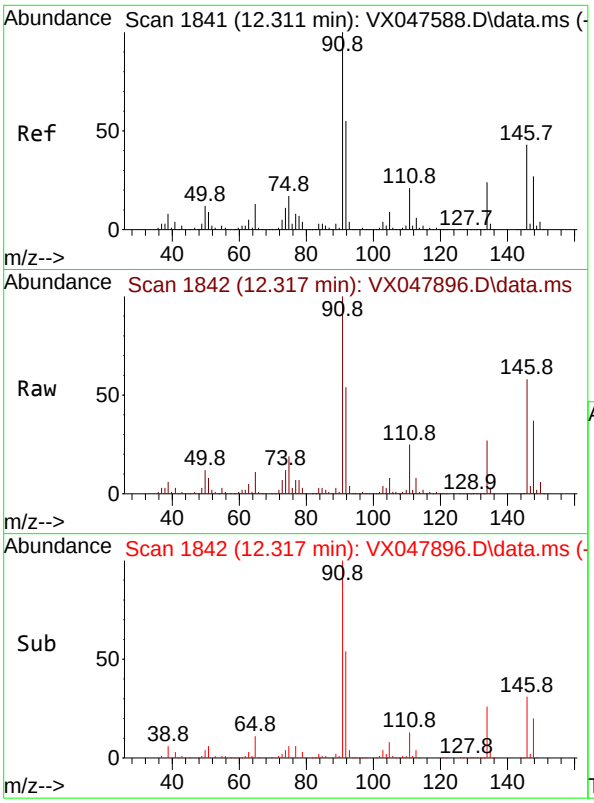


#88
1,4-Dichlorobenzene
Concen: 48.509 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 210050

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	65.1	31.7	95.1



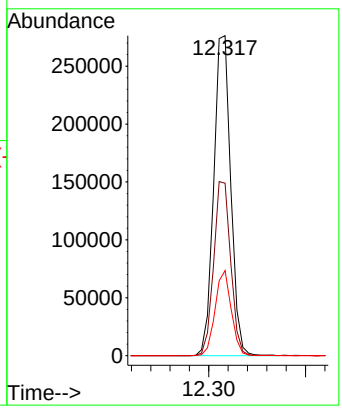


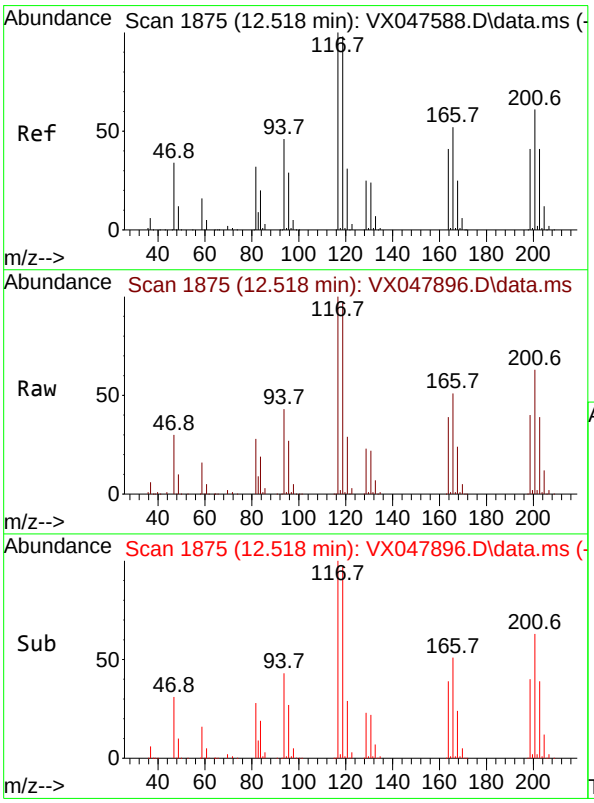
#89
n-Butylbenzene
Concen: 46.701 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 337054

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.3	12.6	37.8

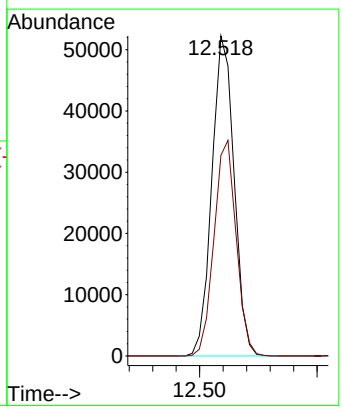


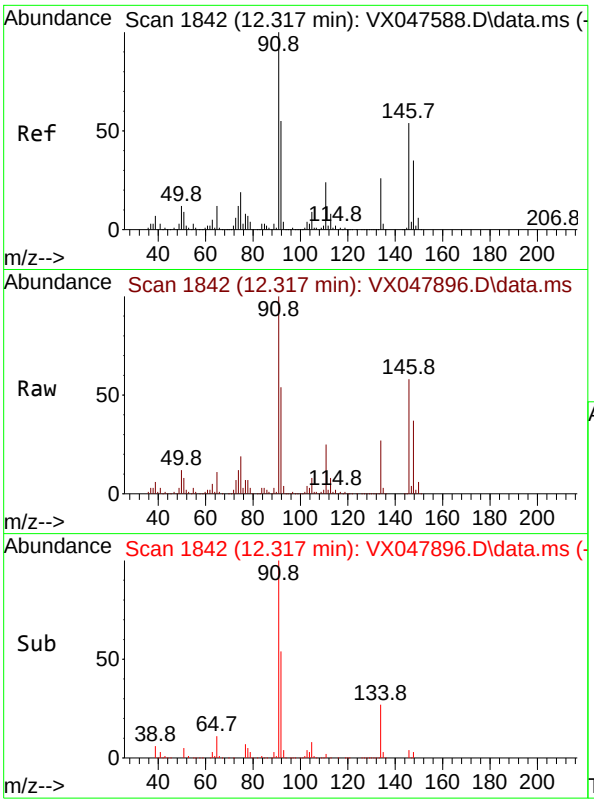


#90
Hexachloroethane
Concen: 50.194 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 68737

Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.2	102.5



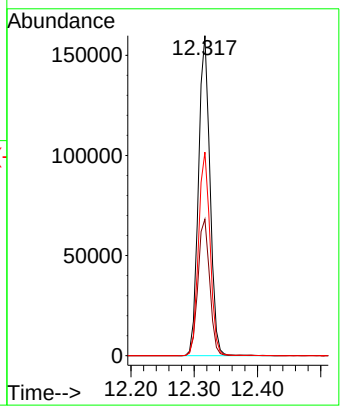


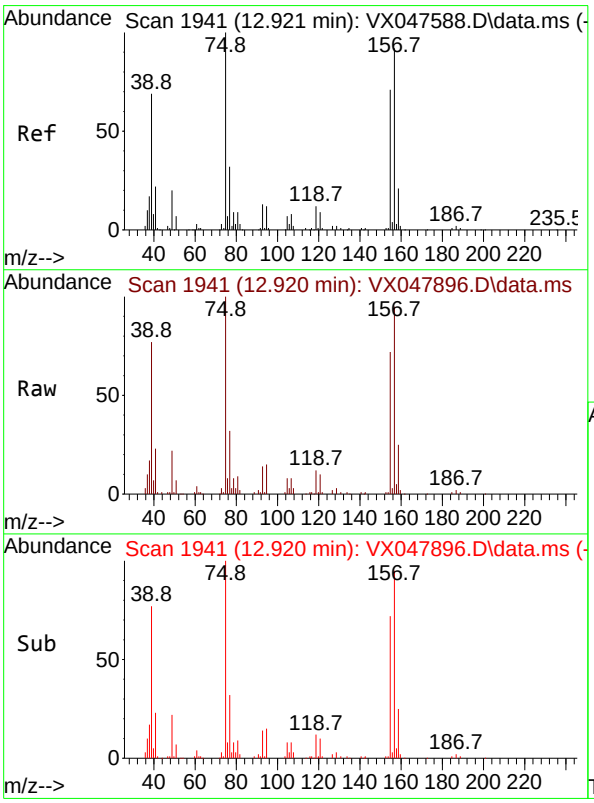
#91
1,2-Dichlorobenzene
Concen: 50.428 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 202692

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.0	31.8	95.4

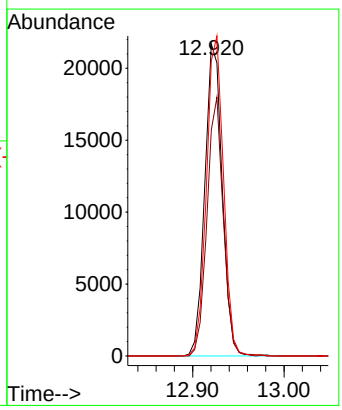


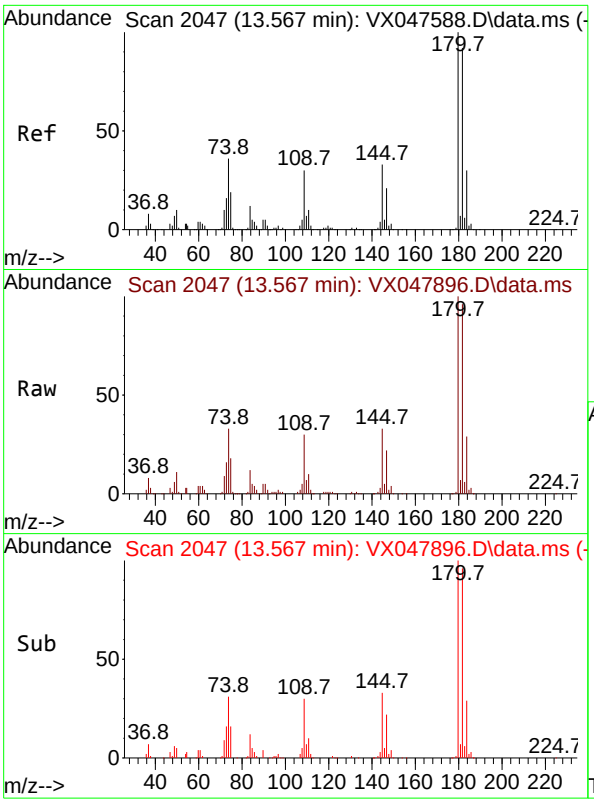


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.667 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 28623

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.2	49.8	149.4



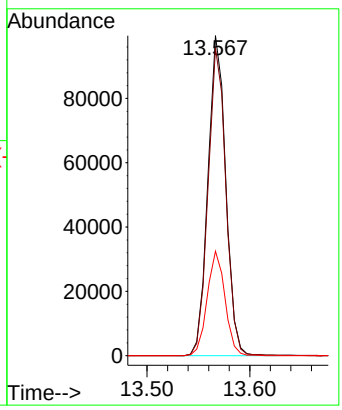


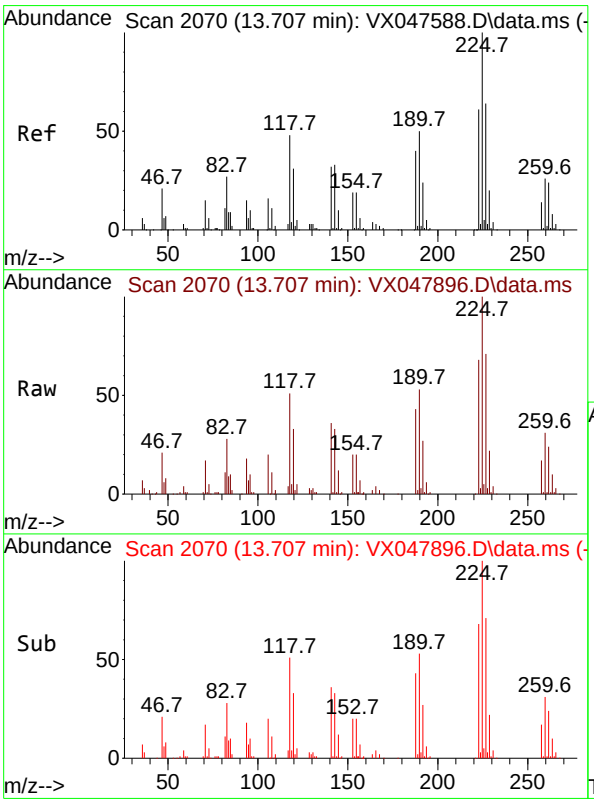
#93
1,2,4-Trichlorobenzene
Concen: 46.109 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 120450

Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.8
145	32.6	16.4	49.1

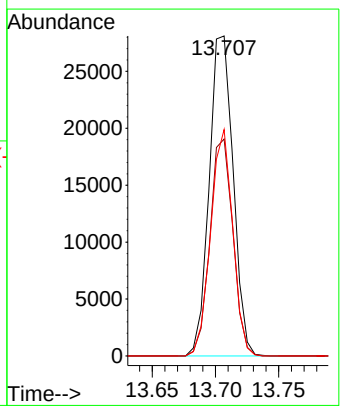


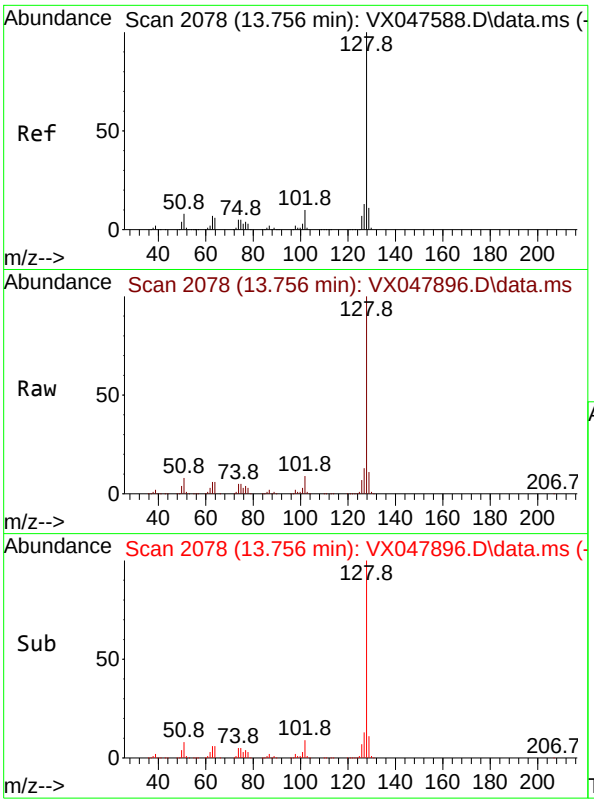


#94
Hexachlorobutadiene
Concen: 41.684 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:225 Resp: 36987

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.7	95.1
227	65.3	32.0	96.0



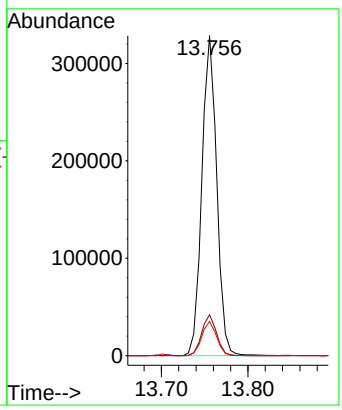


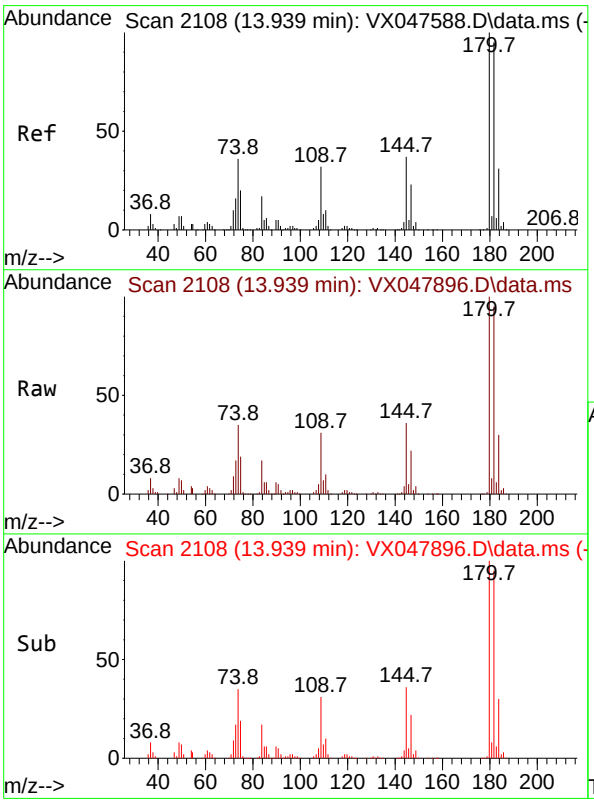
#95
Naphthalene
Concen: 49.163 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 391072

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

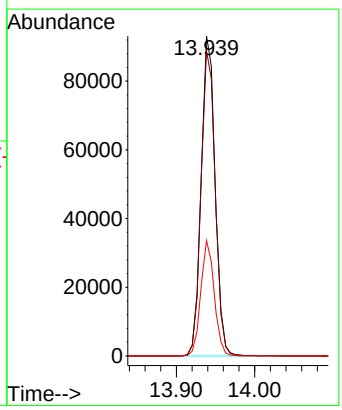




#96
1,2,3-Trichlorobenzene
Concen: 47.426 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:180 Resp: 115245

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	34.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	139945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	252162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	231700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111456	50.035	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.367	113	88183	52.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.634	98	298245	50.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.061	95	114694	51.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	31074	21.443	ug/l	100
3) Chloromethane	1.300	50	37023	19.439	ug/l	97
4) Vinyl Chloride	1.379	62	38369	20.580	ug/l	100
5) Bromomethane	1.617	94	24885	21.049	ug/l	97
6) Chloroethane	1.696	64	26261	21.075	ug/l	98
7) Trichlorofluoromethane	1.898	101	58065	20.976	ug/l	98
8) Diethyl Ether	2.135	74	23817	21.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.330	101	33865	20.922	ug/l	98
10) Methyl Iodide	2.452	142	44738	17.722	ug/l	99
11) Tert butyl alcohol	2.940	59	24336	98.093	ug/l	98
12) 1,1-Dichloroethene	2.324	96	33782	20.318	ug/l	98
13) Acrolein	2.233	56	17071	74.669	ug/l	94
14) Allyl chloride	2.666	41	66537	19.393	ug/l	96
15) Acrylonitrile	3.056	53	101872	110.857	ug/l	99
16) Acetone	2.373	43	102419	105.744	ug/l	98
17) Carbon Disulfide	2.513	76	87847	19.299	ug/l	98
18) Methyl Acetate	2.696	43	49397	22.917	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	125472	20.672	ug/l	96
20) Methylene Chloride	2.788	84	44362	21.638	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	36680	20.491	ug/l	94
22) Diisopropyl ether	3.751	45	141324	21.254	ug/l	97
23) Vinyl Acetate	3.708	43	552550	103.827	ug/l	100
24) 1,1-Dichloroethane	3.605	63	74644	21.120	ug/l	97
25) 2-Butanone	4.537	43	133106	110.173	ug/l	100
26) 2,2-Dichloropropane	4.464	77	60806	20.697	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	45621	20.810	ug/l	99
28) Bromochloromethane	4.879	49	35248	22.845	ug/l	98
29) Tetrahydrofuran	4.989	42	78796	108.416	ug/l	99
30) Chloroform	5.074	83	78555	21.995	ug/l	99
31) Cyclohexane	5.458	56	56003	19.026	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	63051	20.814	ug/l	99
36) 1,1-Dichloropropene	5.684	75	47877	19.374	ug/l	98
37) Ethyl Acetate	4.696	43	55026	20.797	ug/l	98
38) Carbon Tetrachloride	5.659	117	53161	19.800	ug/l	96
39) Methylcyclohexane	7.366	83	51798	18.466	ug/l	97
40) Benzene	6.019	78	156993	20.917	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	29878	21.873	ug/l		98
42) 1,2-Dichloroethane	6.068	62	59274	20.756	ug/l		97
43) Isopropyl Acetate	6.318	43	88344	20.358	ug/l		99
44) Trichloroethene	7.110	130	37124	20.459	ug/l		97
45) 1,2-Dichloropropane	7.415	63	41005	21.336	ug/l		94
46) Dibromomethane	7.567	93	30294	21.661	ug/l		99
47) Bromodichloromethane	7.805	83	62078	21.510	ug/l		98
48) Methyl methacrylate	7.677	41	43226	19.998	ug/l		97
49) 1,4-Dioxane	7.647	88	10293	471.195	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	264493	109.932	ug/l		99
52) Toluene	8.701	92	96436	20.855	ug/l		100
53) t-1,3-Dichloropropene	8.963	75	60522	20.559	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	66061	20.996	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	39041	21.896	ug/l		97
56) Ethyl methacrylate	9.098	69	57568	20.558	ug/l		99
57) 1,3-Dichloropropane	9.293	76	67303	21.973	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	135613	108.246	ug/l		99
59) 2-Hexanone	9.415	43	188844	109.286	ug/l		100
60) Dibromochloromethane	9.506	129	45550	22.171	ug/l		98
61) 1,2-Dibromoethane	9.591	107	41458	22.828	ug/l		100
64) Tetrachloroethene	9.256	164	29553	19.566	ug/l		98
65) Chlorobenzene	10.061	112	107879	20.495	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38886	21.408	ug/l		100
67) Ethyl Benzene	10.177	91	179475	19.761	ug/l		100
68) m/p-Xylenes	10.286	106	137274	40.608	ug/l		99
69) o-Xylene	10.622	106	65978	20.178	ug/l		99
70) Styrene	10.640	104	117279	20.470	ug/l		98
71) Bromoform	10.780	173	29485	21.740	ug/l	#	97
73) Isopropylbenzene	10.945	105	169045	19.011	ug/l		100
74) N-amyl acetate	10.823	43	75908	18.720	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57365	21.323	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	61365	25.913	ug/l		89
77) Bromobenzene	11.183	156	43262	19.754	ug/l		98
78) n-propylbenzene	11.286	91	203358	19.346	ug/l		100
79) 2-Chlorotoluene	11.347	91	125246	19.454	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	142350	19.485	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	16033	17.265	ug/l		94
82) 4-Chlorotoluene	11.439	91	147339	19.377	ug/l		98
83) tert-Butylbenzene	11.695	119	141288	18.892	ug/l		98
84) 1,2,4-Trimethylbenzene	11.737	105	144682	19.534	ug/l		98
85) sec-Butylbenzene	11.871	105	172007	19.363	ug/l		100
86) p-Isopropyltoluene	11.993	119	143333	19.059	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	80302	19.740	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	82964	19.871	ug/l		99
89) n-Butylbenzene	12.317	91	131974	18.965	ug/l		98
90) Hexachloroethane	12.518	117	26275	19.900	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	77273	19.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10179	18.688	ug/l		93
93) 1,2,4-Trichlorobenzene	13.566	180	48099	19.097	ug/l		98
94) Hexachlorobutadiene	13.707	225	16798	19.635	ug/l		98
95) Naphthalene	13.755	128	142292	18.552	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	45008	19.210	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

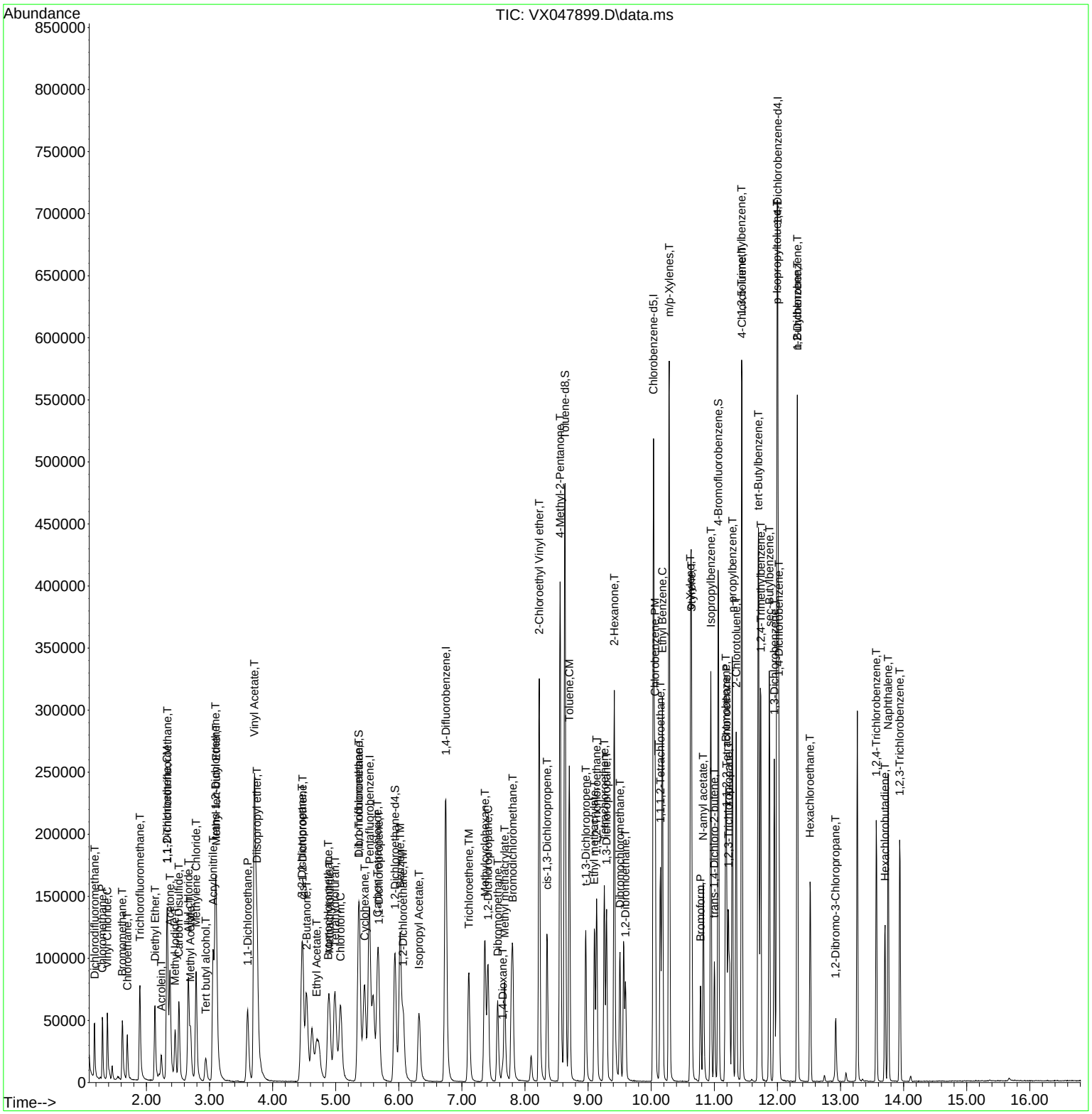
(#) = qualifier out of range (m) = manual integration (+) = signals summed

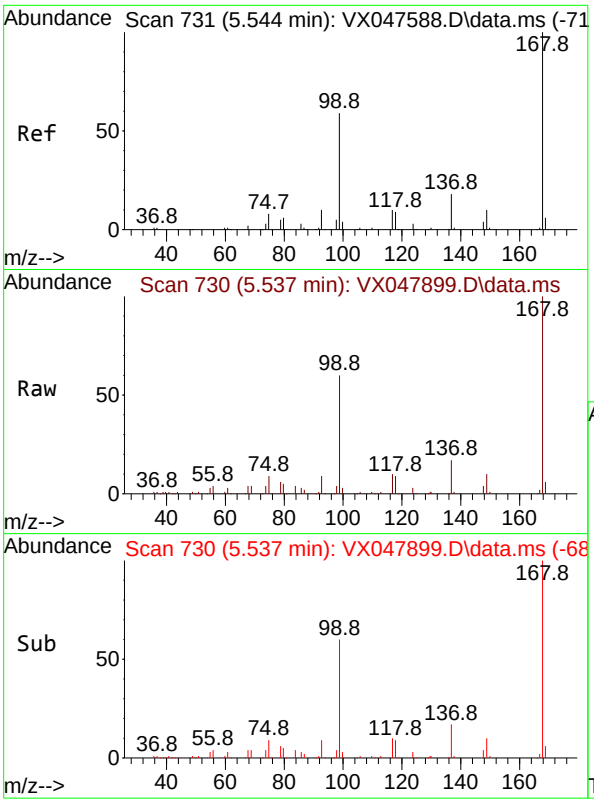
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



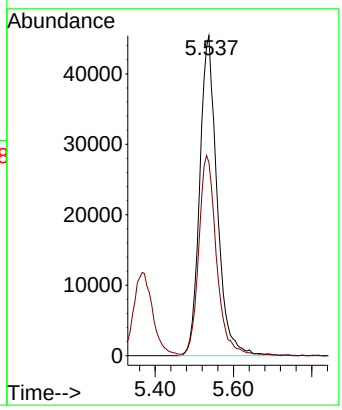


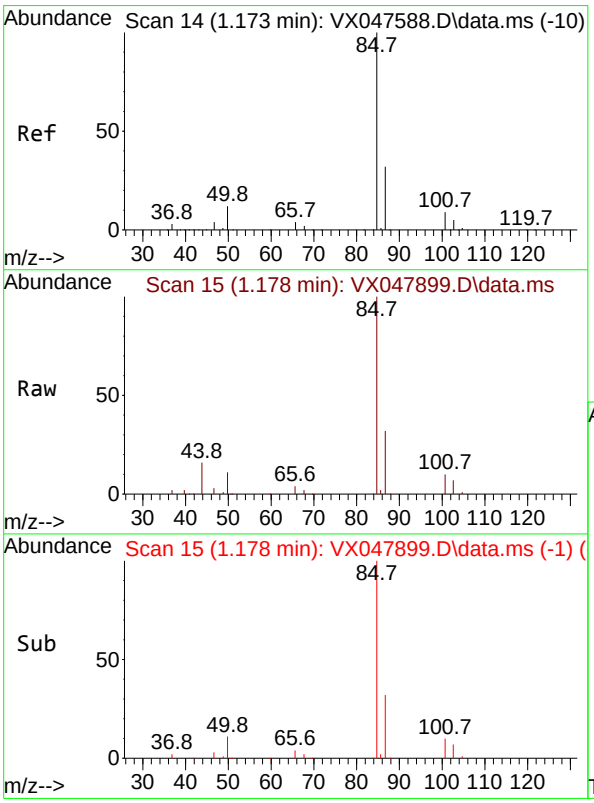
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:168 Resp: 139945

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.8	73.2

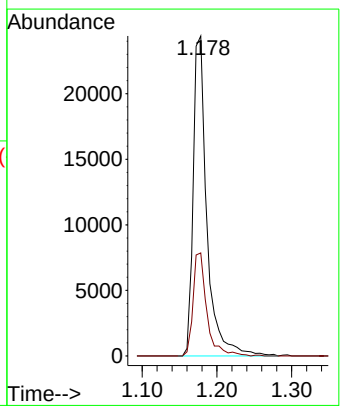


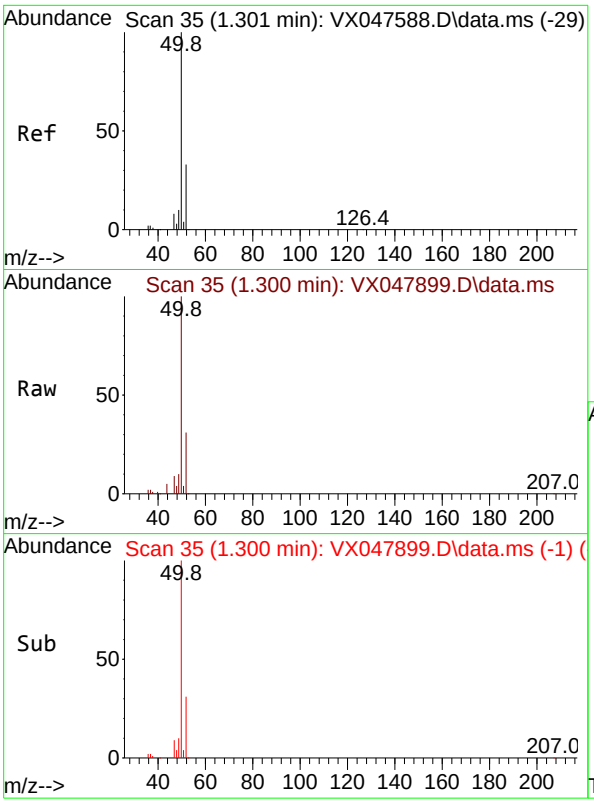


#2
Dichlorodifluoromethane
Concen: 21.443 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 85 Resp: 31074

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3



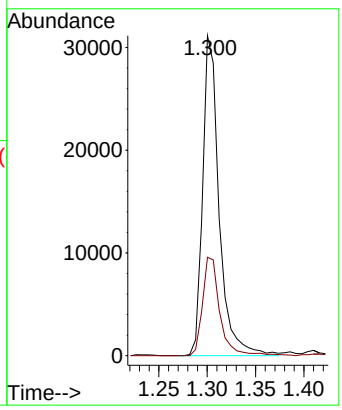


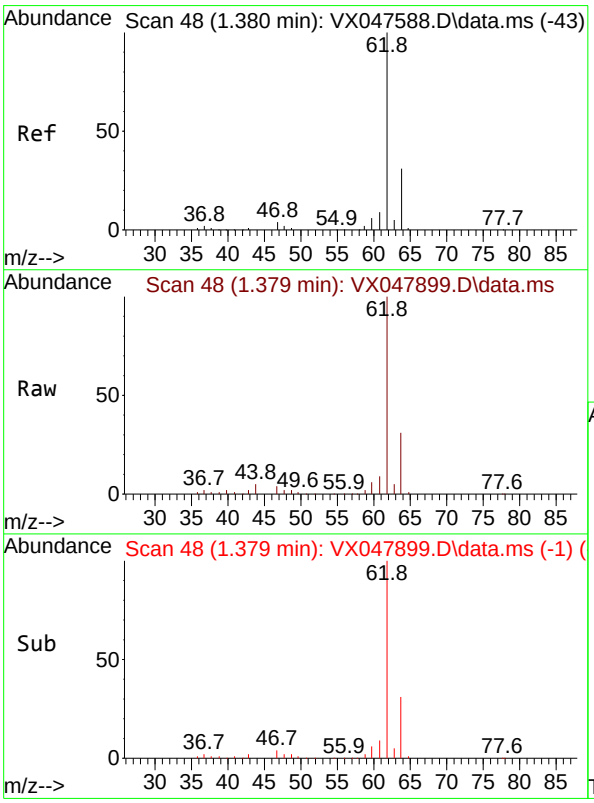
#3
Chloromethane
Concen: 19.439 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 50 Resp: 37023

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1

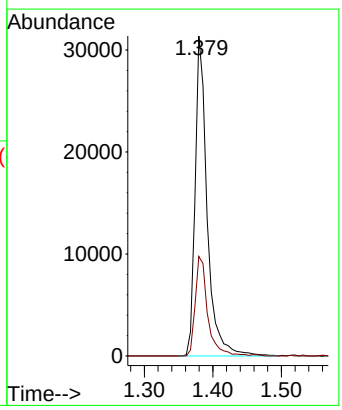


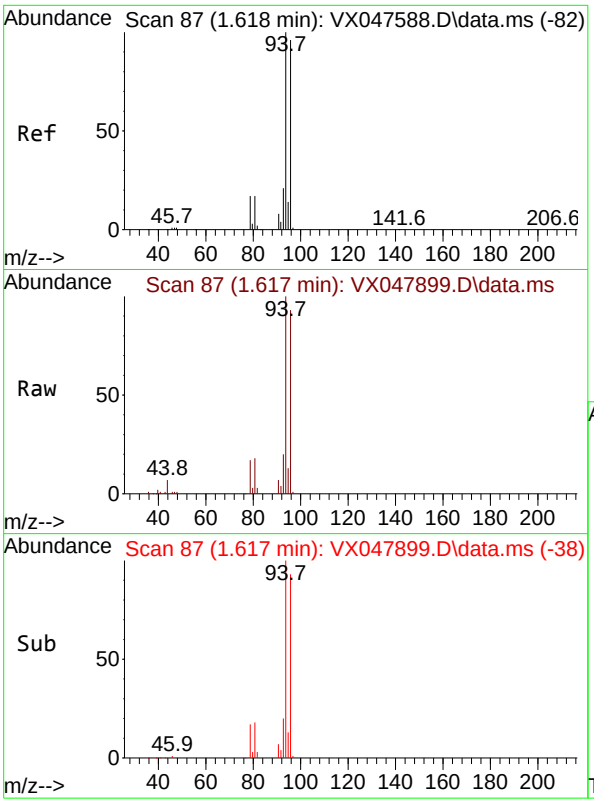


#4
Vinyl Chloride
Concen: 20.580 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 38369

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



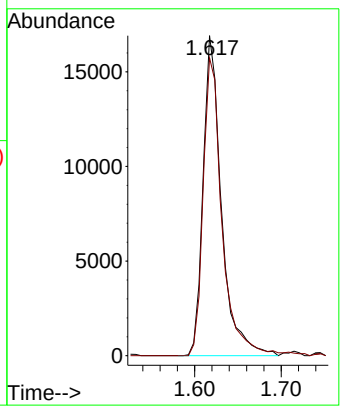


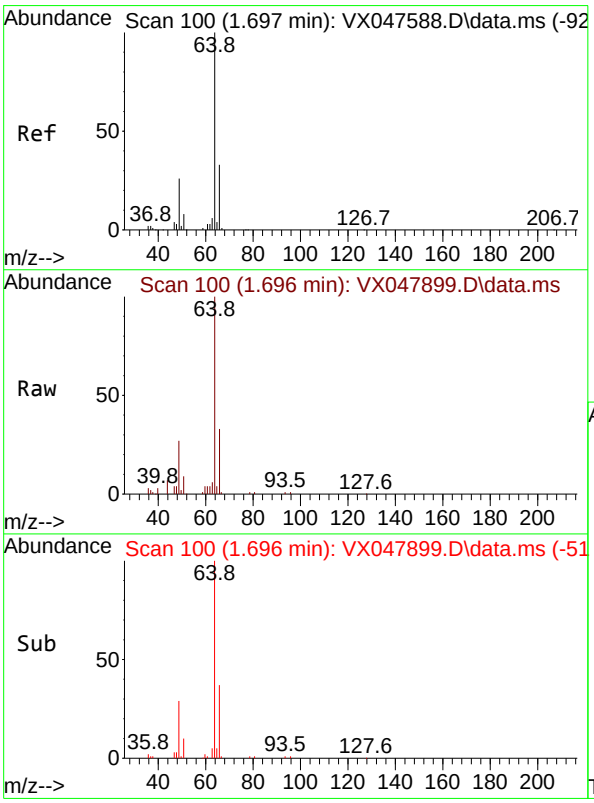
#5
Bromomethane
Concen: 21.049 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 94 Resp: 24885

Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.6	115.0

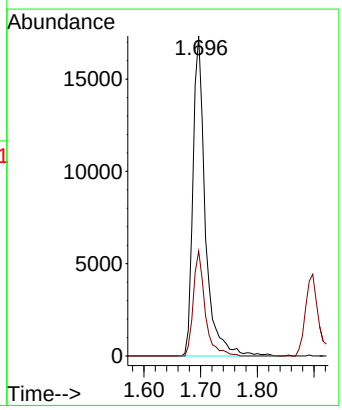


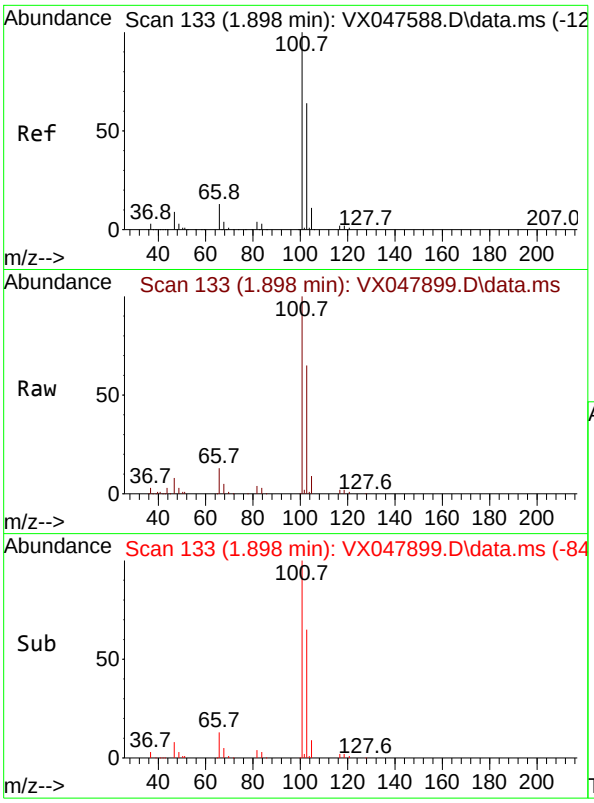


#6
Chloroethane
Concen: 21.075 ug/l
RT: 1.696 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 64 Resp: 26261

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.1	39.1



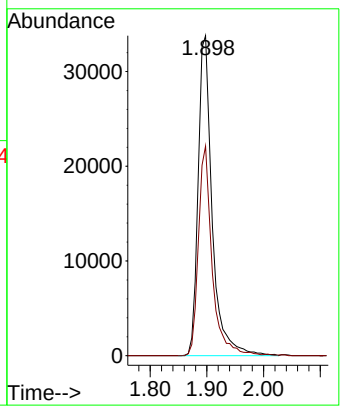


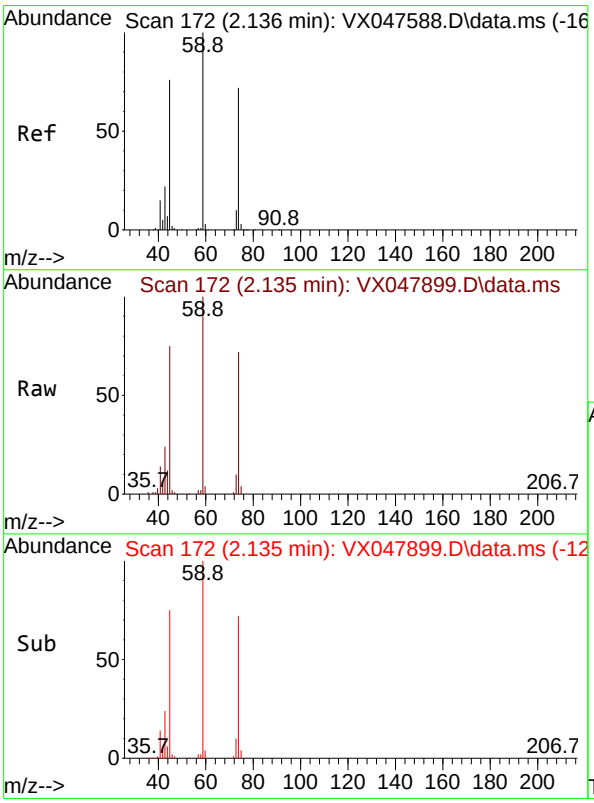
#7
Trichlorofluoromethane
Concen: 20.976 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:101 Resp: 58065

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

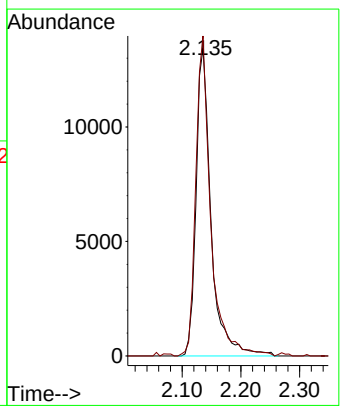


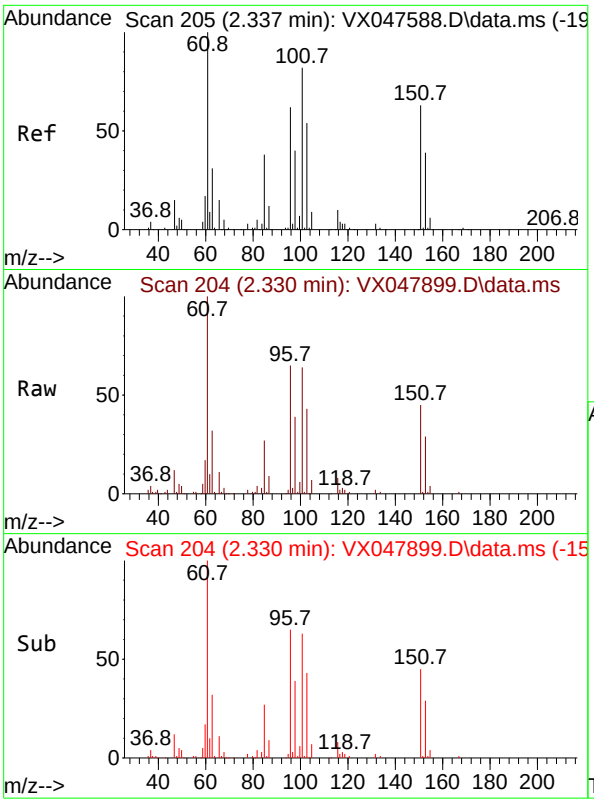


#8
Diethyl Ether
Concen: 21.032 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 74 Resp: 23817

Ion	Ratio	Lower	Upper
74	100		
45	103.6	52.3	156.8



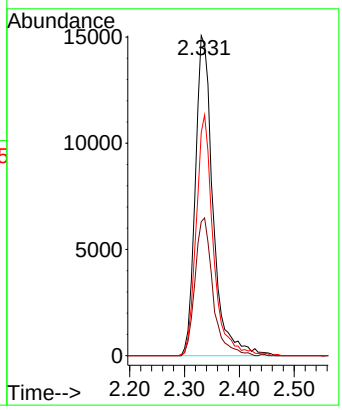


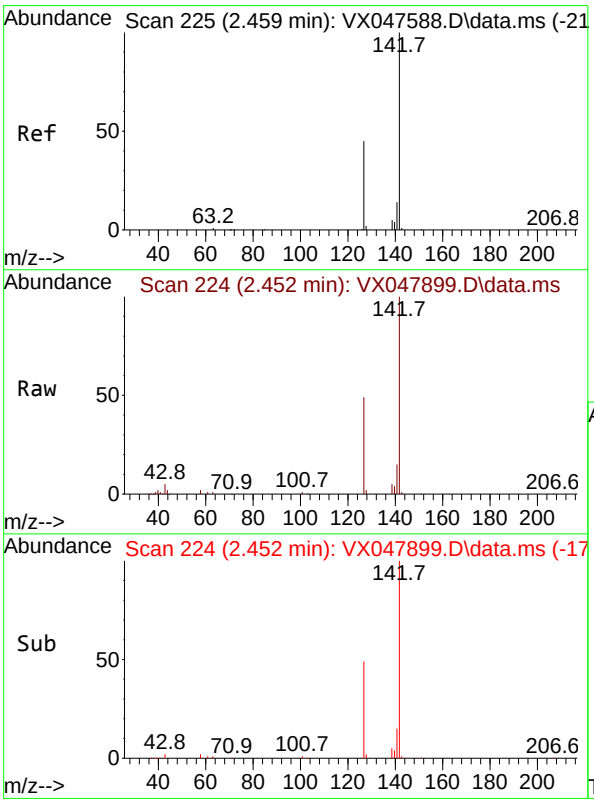
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.922 ug/l
RT: 2.330 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:101 Resp: 33865

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	72.7	59.4	89.0

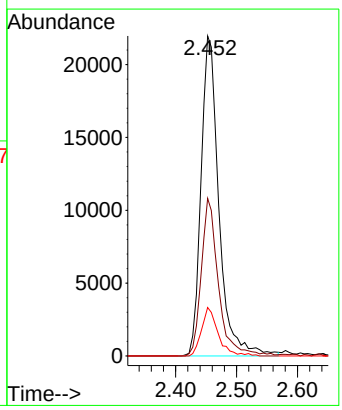


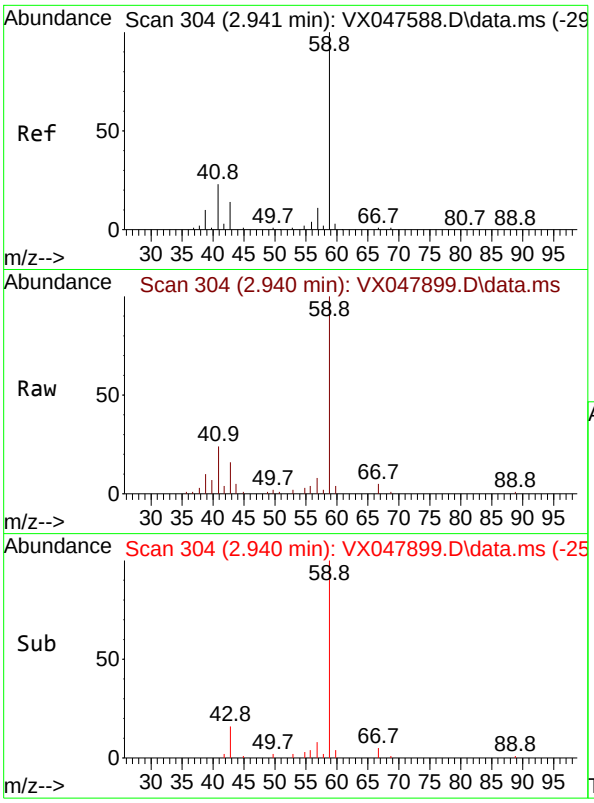


#10
Methyl Iodide
Concen: 17.722 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:142 Resp: 44738

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	14.2	11.4	17.0



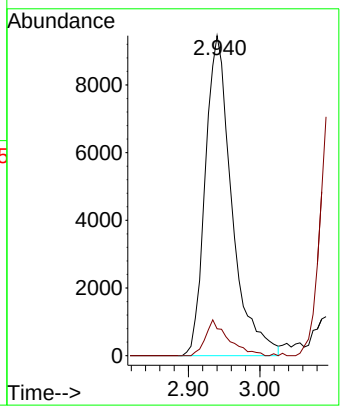


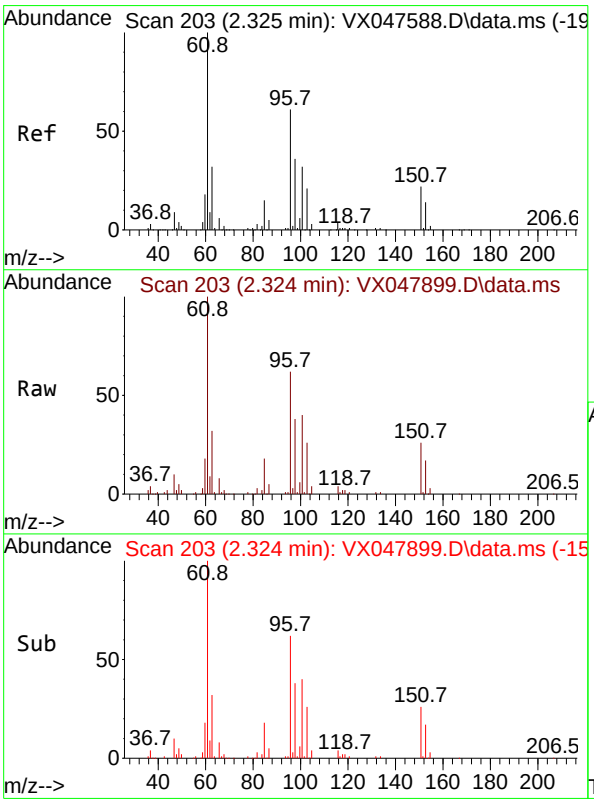
#11
Tert butyl alcohol
Concen: 98.093 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 59 Resp: 24336

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

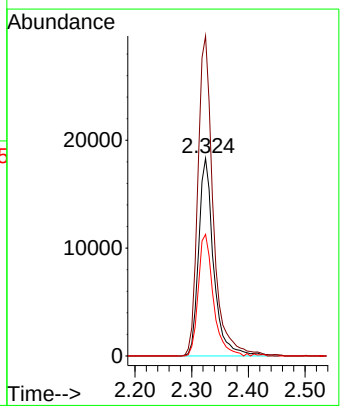


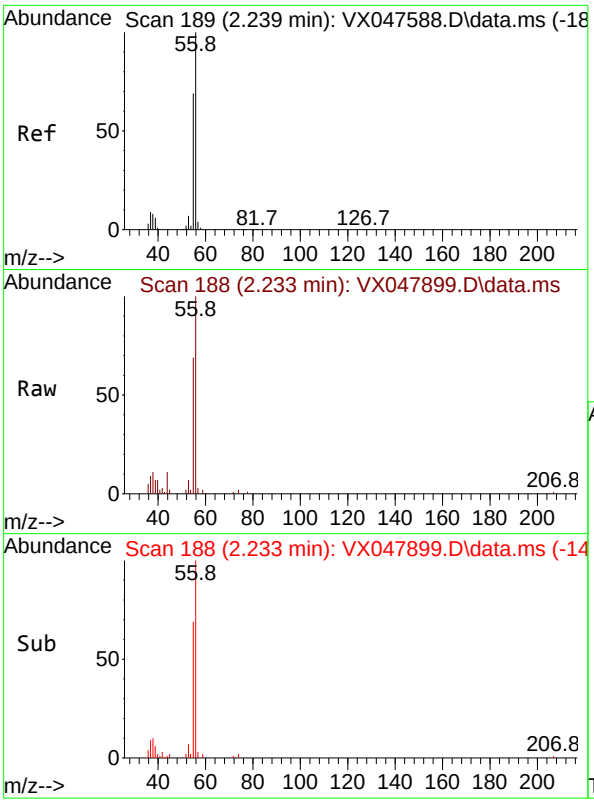


#12
1,1-Dichloroethene
Concen: 20.318 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 33782

Ion	Ratio	Lower	Upper
96	100		
61	161.9	131.0	196.6
98	63.1	47.7	71.5



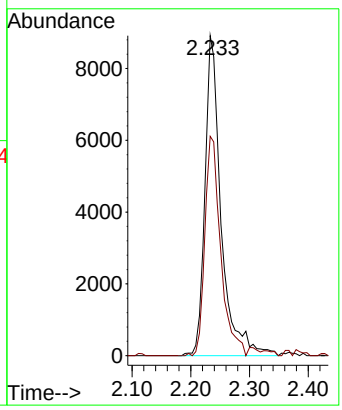


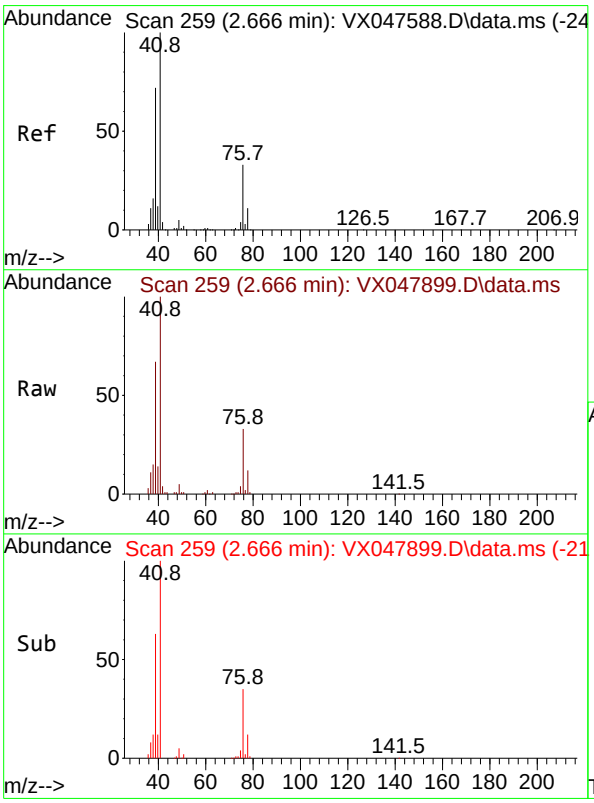
#13
Acrolein
Concen: 74.669 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 56 Resp: 17071

Ion	Ratio	Lower	Upper
56	100		
55	66.9	57.2	85.8

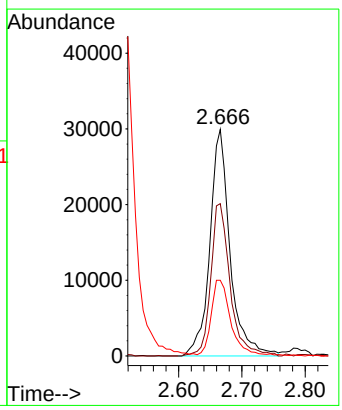


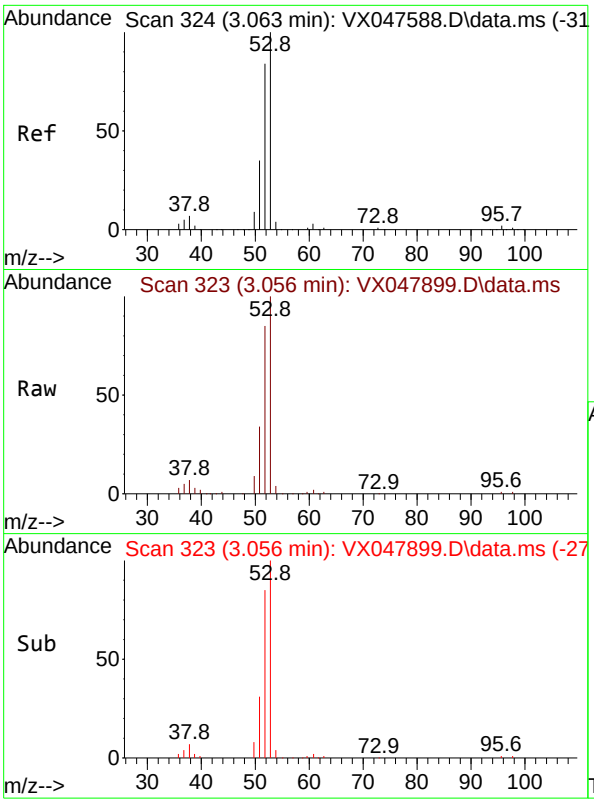


#14
Allyl chloride
Concen: 19.393 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 66537

Ion	Ratio	Lower	Upper
41	100		
39	64.0	54.7	82.1
76	32.1	25.7	38.5



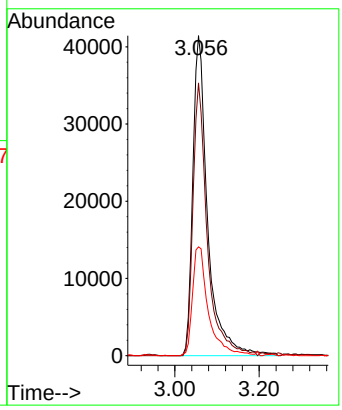


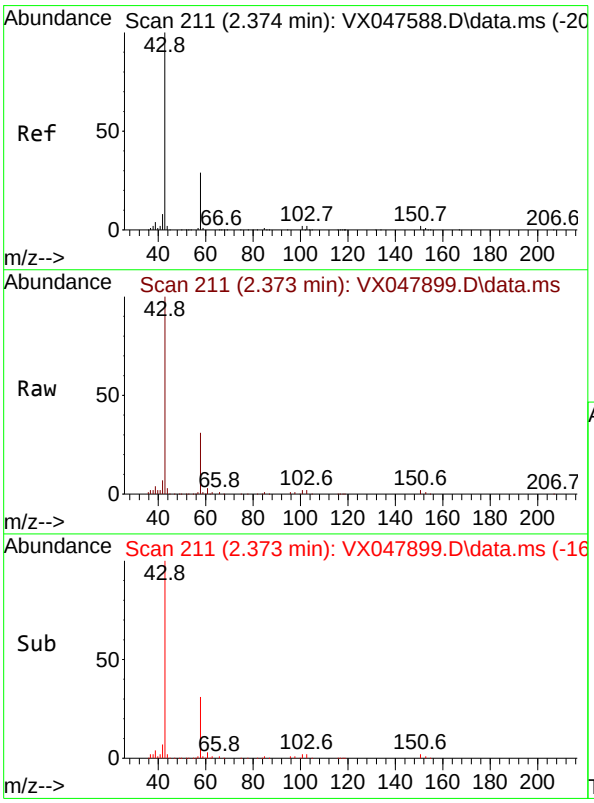
#15
Acrylonitrile
Concen: 110.857 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 53 Resp: 101872

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.4	29.5	44.3

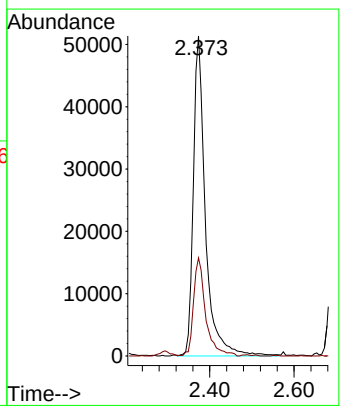


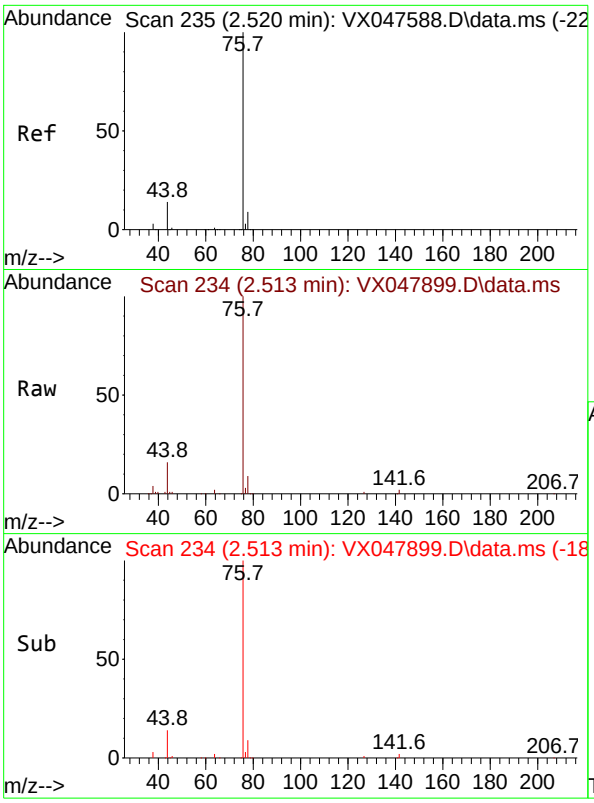


#16
Acetone
Concen: 105.744 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 102419

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0



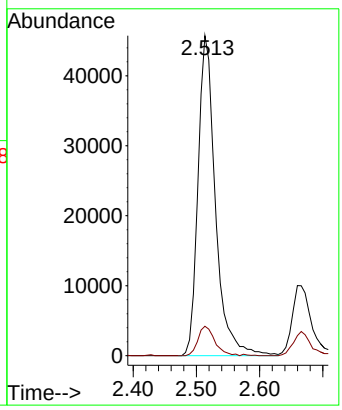


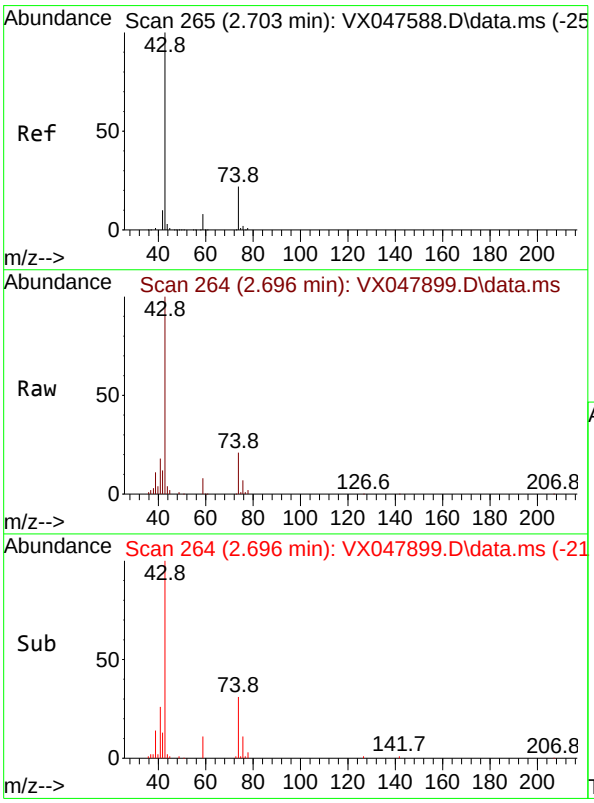
#17
Carbon Disulfide
Concen: 19.299 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 76 Resp: 87847

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

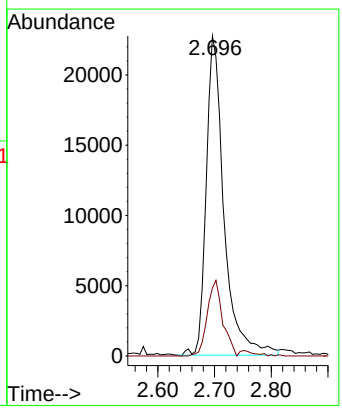


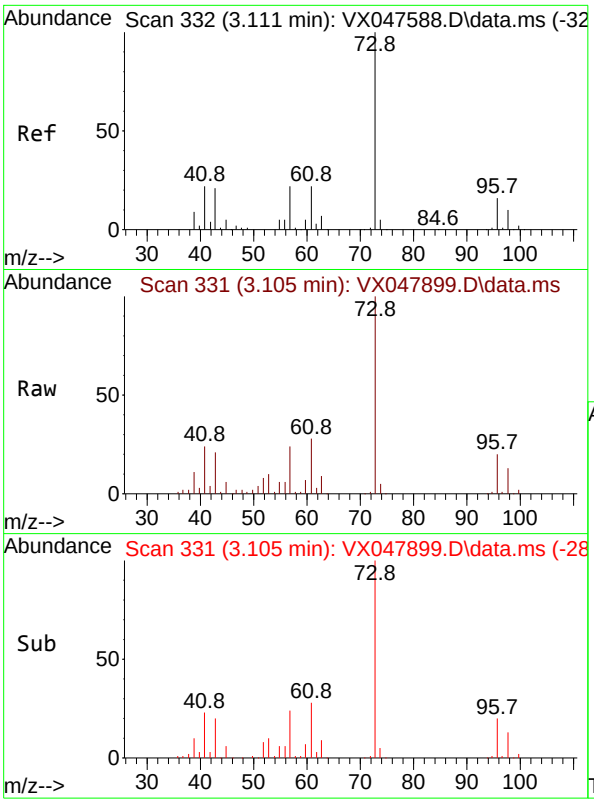


#18
Methyl Acetate
Concen: 22.917 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 49397

Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.4	26.2



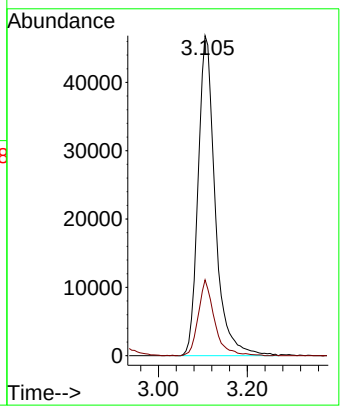


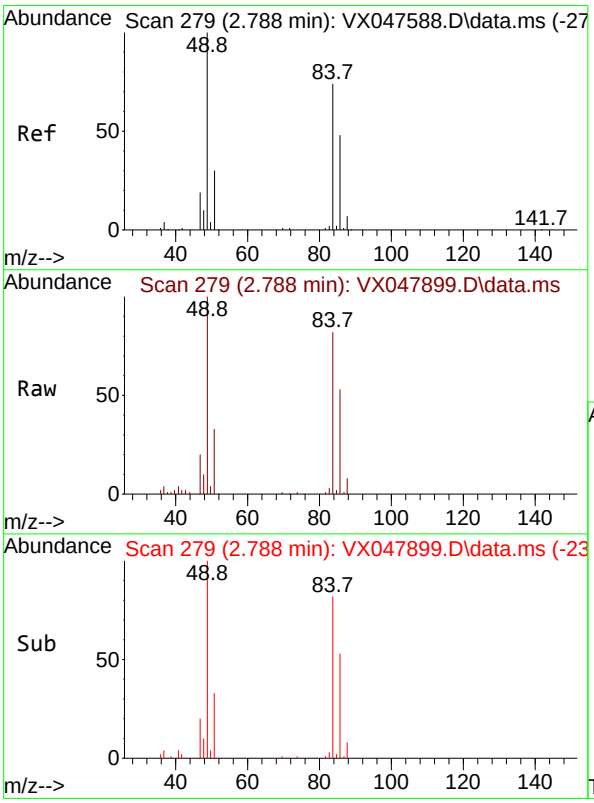
#19
Methyl tert-butyl Ether
Concen: 20.672 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 73 Resp: 125472

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.4	26.2

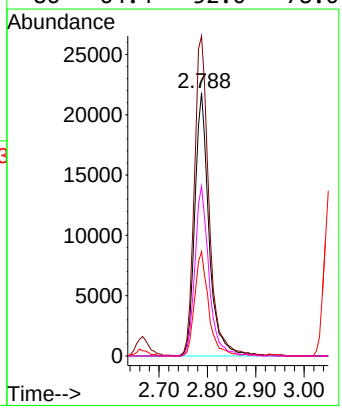


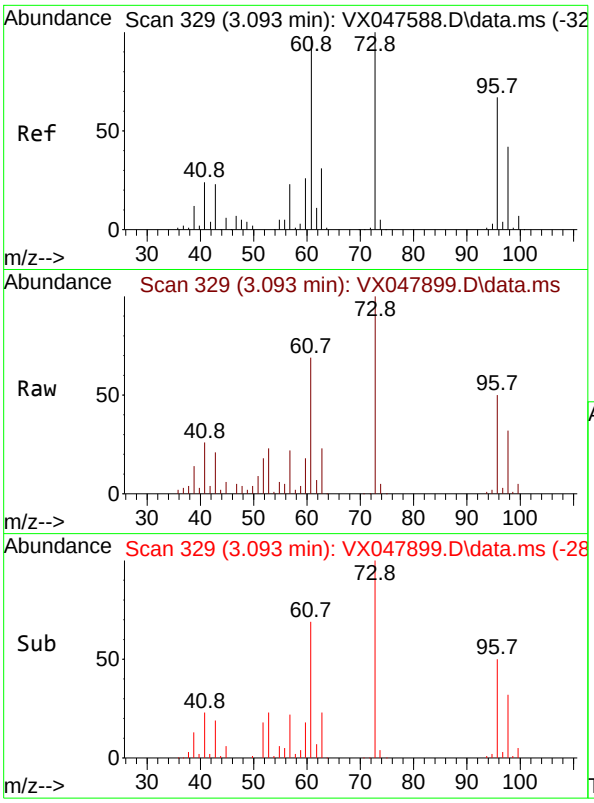


#20
Methylene Chloride
Concen: 21.638 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 84 Resp: 44362

Ion	Ratio	Lower	Upper
84	100		
49	121.5	108.6	162.8
51	39.6	32.6	48.8
86	64.4	52.0	78.0



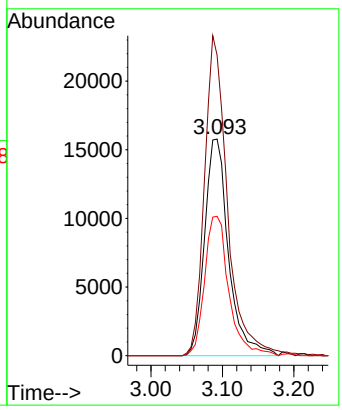


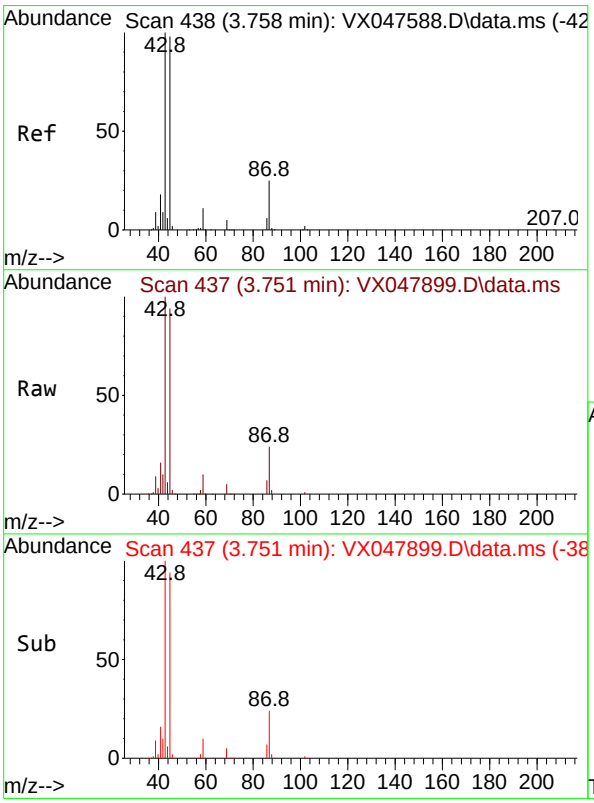
#21
trans-1,2-Dichloroethene
Concen: 20.491 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 96 Resp: 36680

Ion	Ratio	Lower	Upper
96	100		
61	138.7	116.2	174.2
98	66.5	49.3	73.9

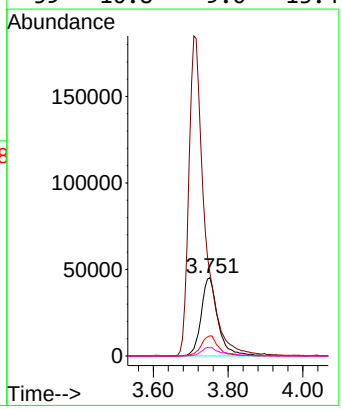


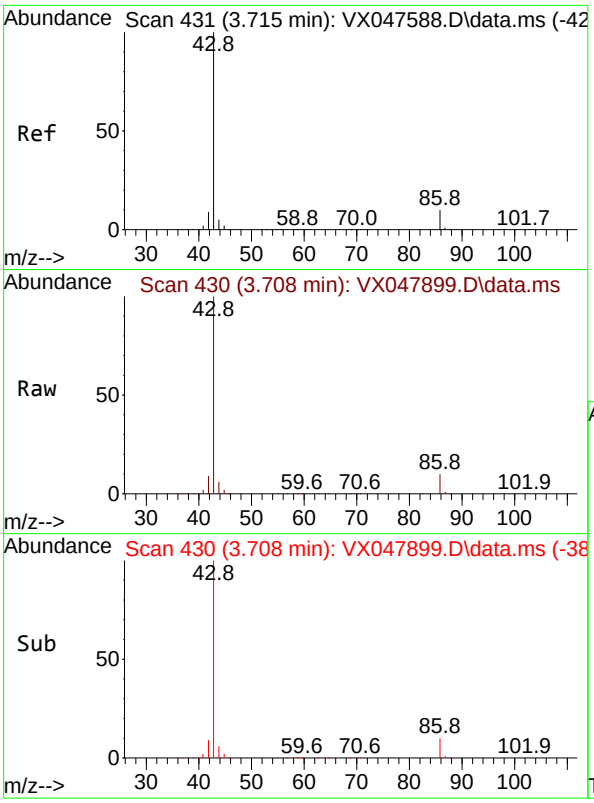


#22
Diisopropyl ether
Concen: 21.254 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 45 Resp: 141324

Ion	Ratio	Lower	Upper
45	100		
43	104.9	81.0	121.4
87	25.8	20.3	30.5
59	10.8	9.0	13.4



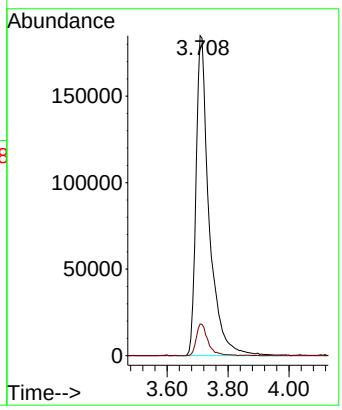


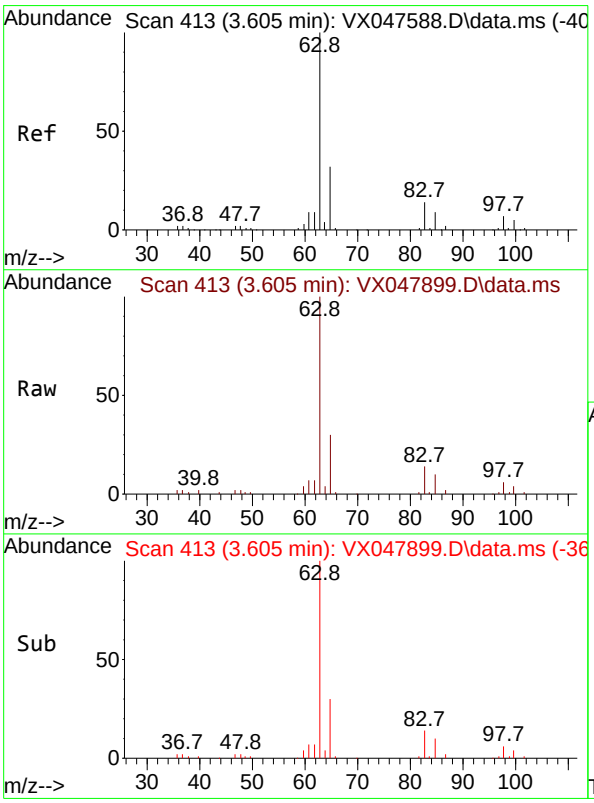
#23
Vinyl Acetate
Concen: 103.827 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 552550

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

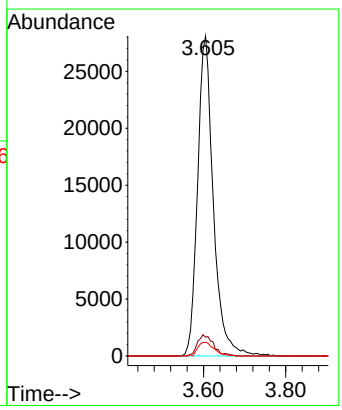


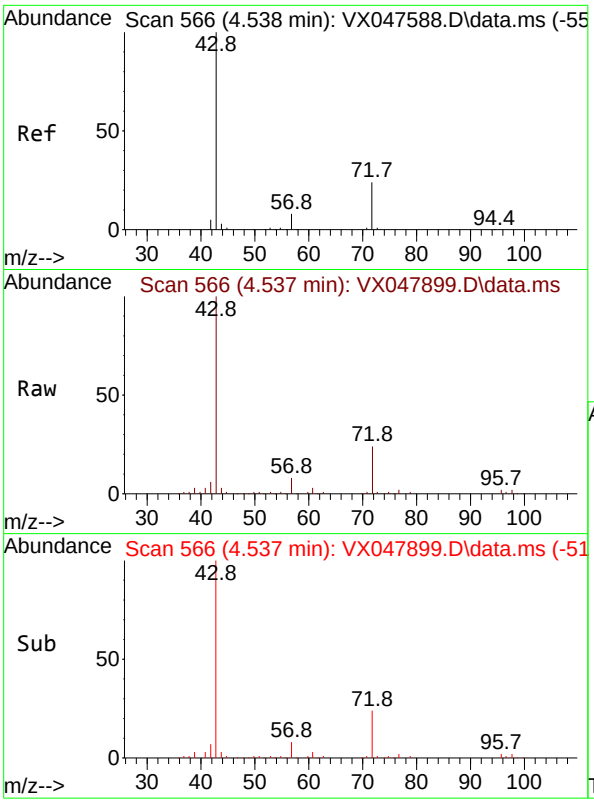


#24
1,1-Dichloroethane
Concen: 21.120 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 74644

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.2
100	4.3	2.3	6.9



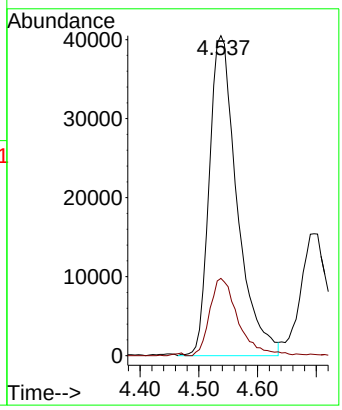


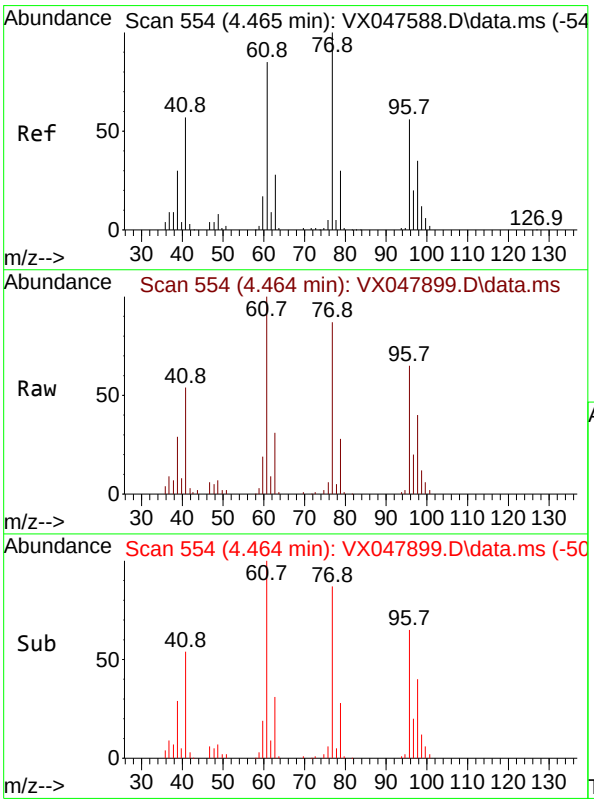
#25
2-Butanone
Concen: 110.173 ug/l
RT: 4.537 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 133106

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.1	30.1

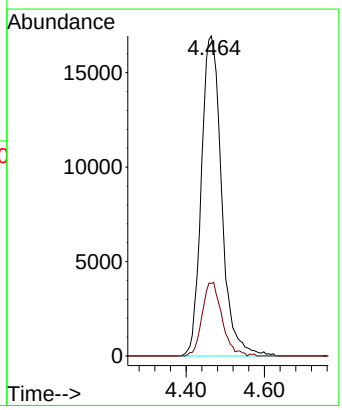


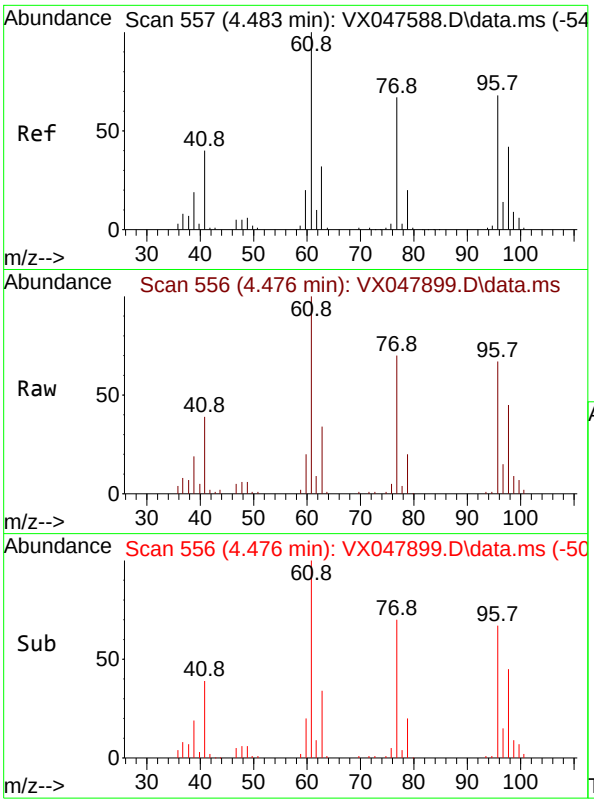


#26
2,2-Dichloropropane
Concen: 20.697 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 77 Resp: 60806

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



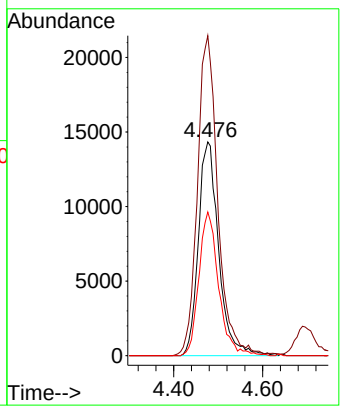


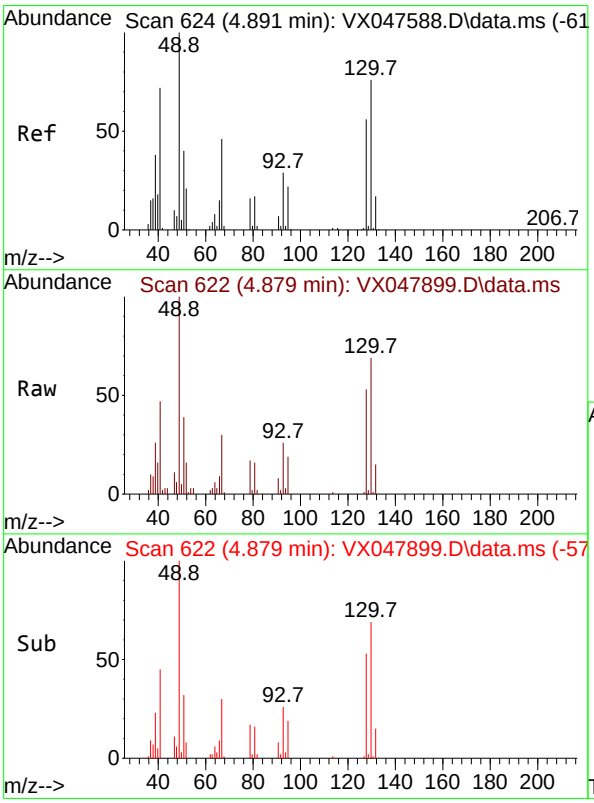
#27
cis-1,2-Dichloroethene
Concen: 20.810 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 96 Resp: 45621

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	303.2
98	65.4	0.0	127.8

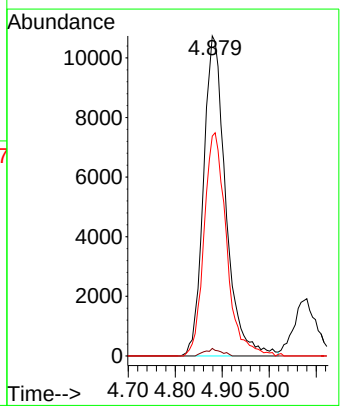


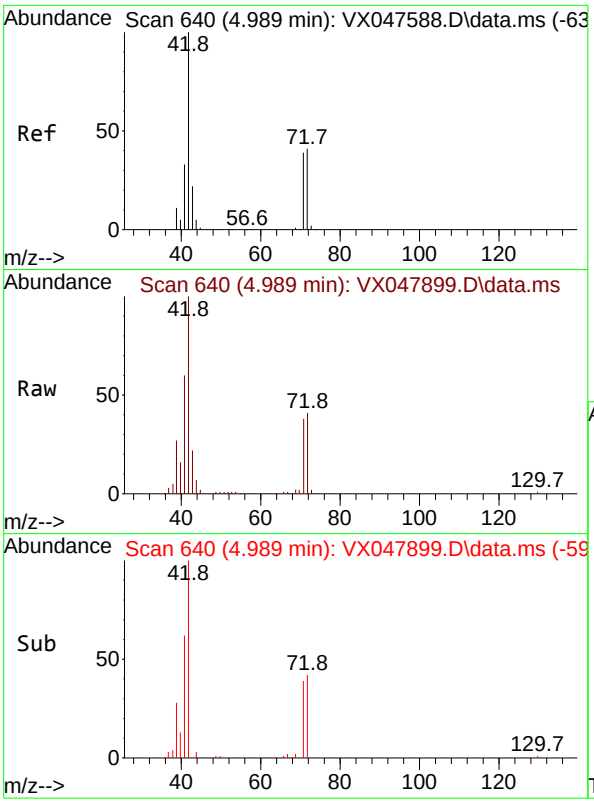


#28
Bromochloromethane
Concen: 22.845 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 49 Resp: 35248

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	70.4	57.8	86.8



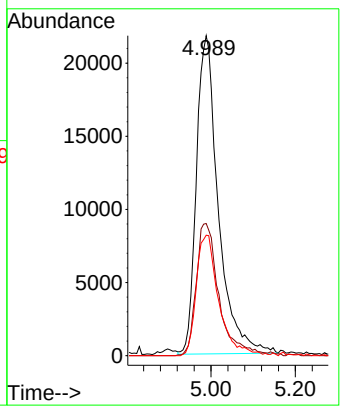


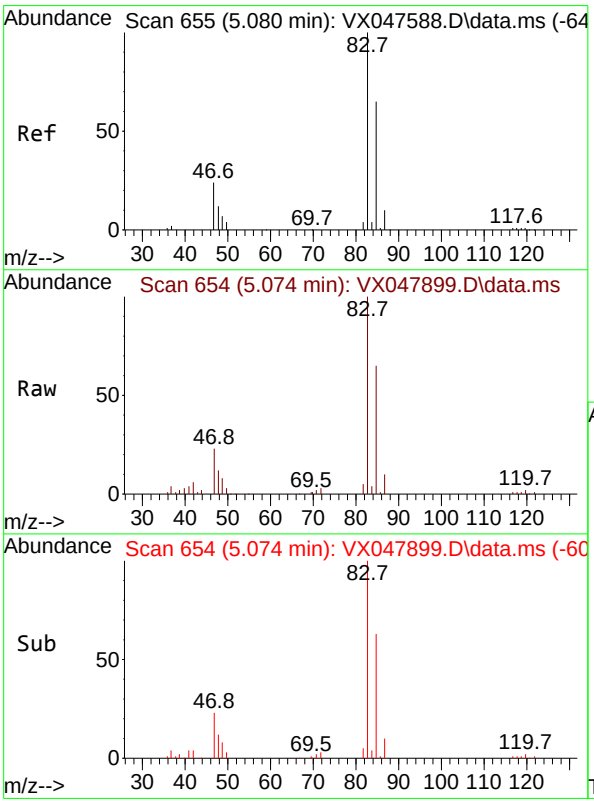
#29
Tetrahydrofuran
Concen: 108.416 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 42 Resp: 78796

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	38.8	31.9	47.9

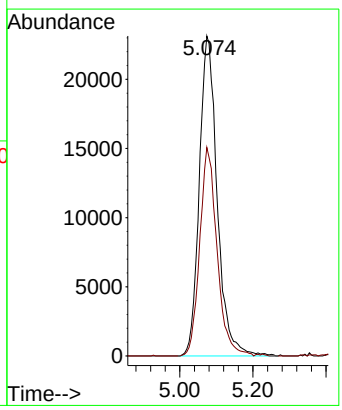


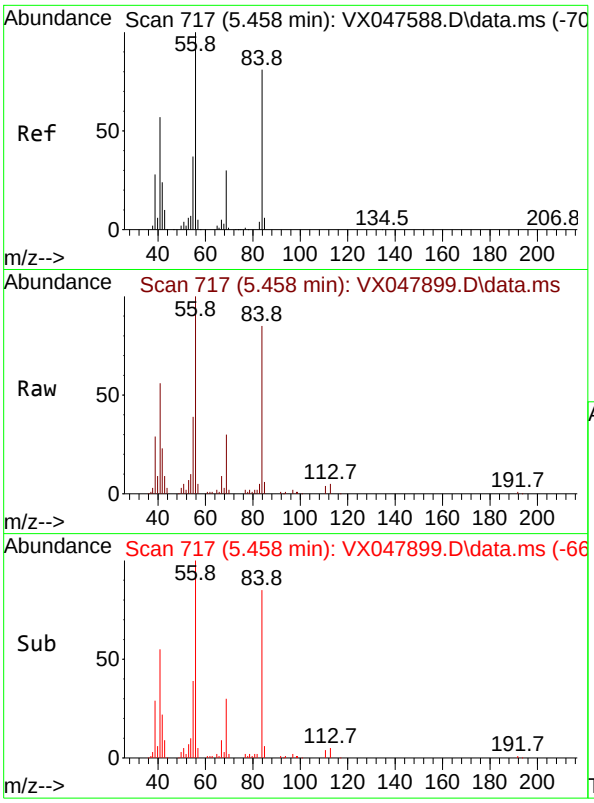


#30
Chloroform
Concen: 21.995 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 78555

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6



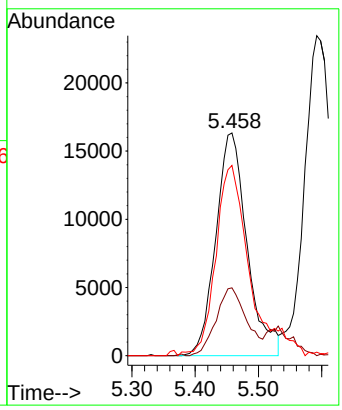


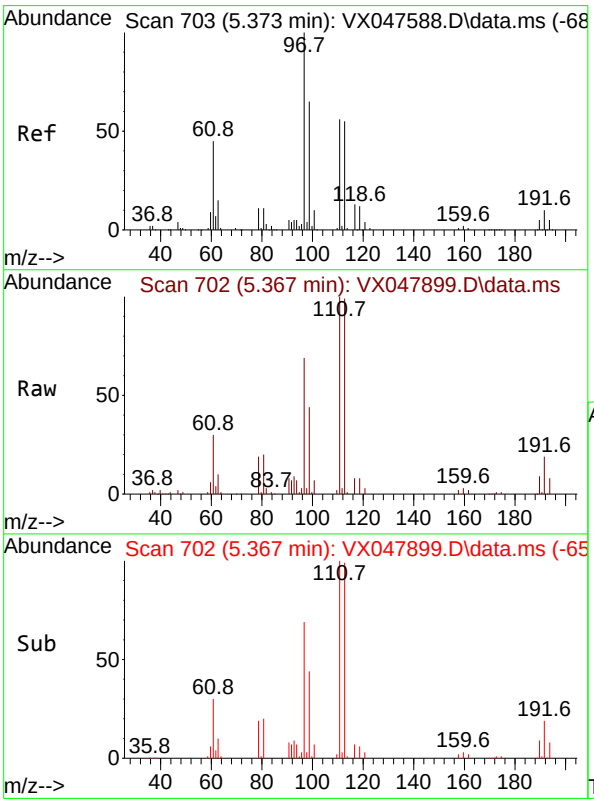
#31
Cyclohexane
Concen: 19.026 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 56 Resp: 56003

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	85.4	64.6	97.0

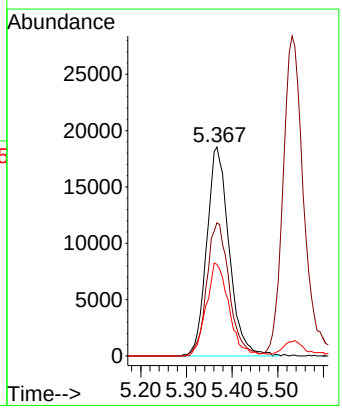


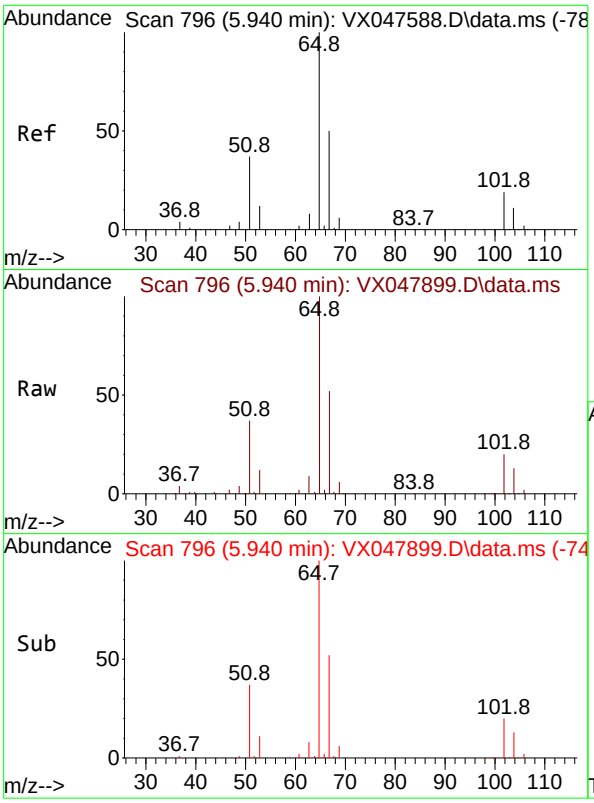


#32
1,1,1-Trichloroethane
Concen: 20.814 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 97 Resp: 63051

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	35.8	53.8



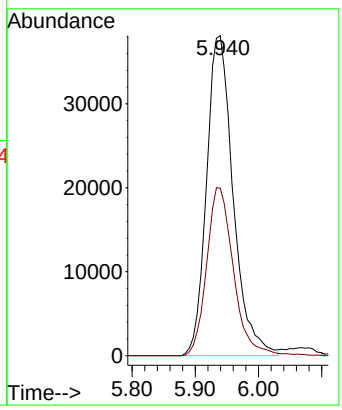


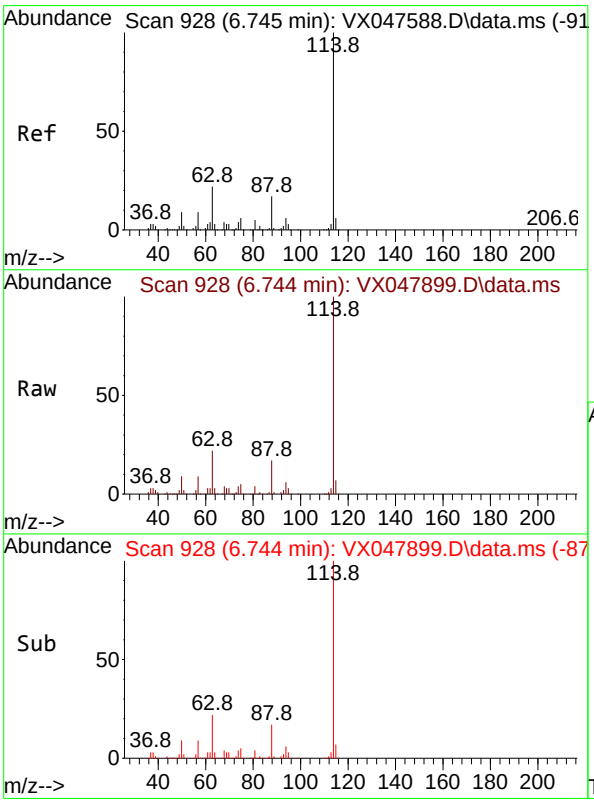
#33
1,2-Dichloroethane-d4
Concen: 50.035 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 65 Resp: 111456

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.0

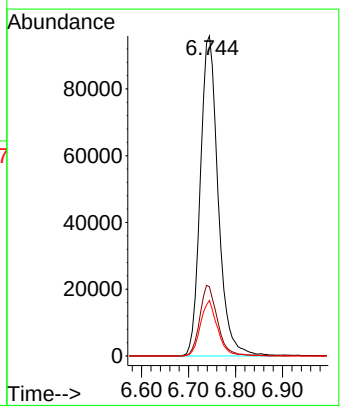


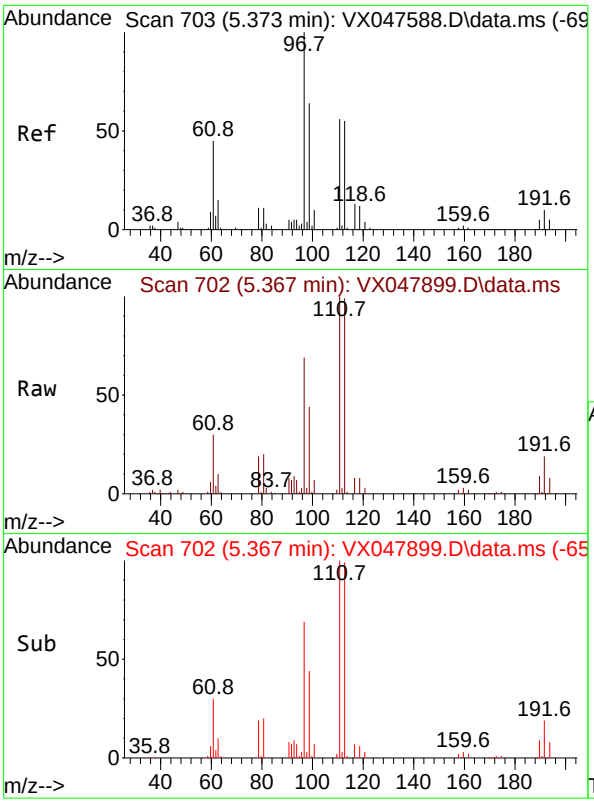


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:114 Resp: 252162

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	17.3	0.0	34.2



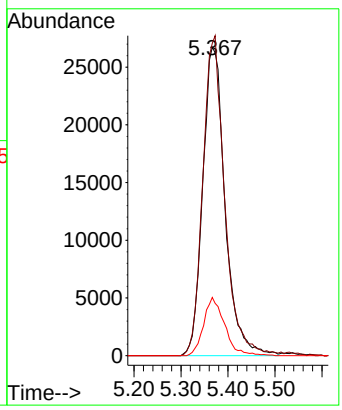


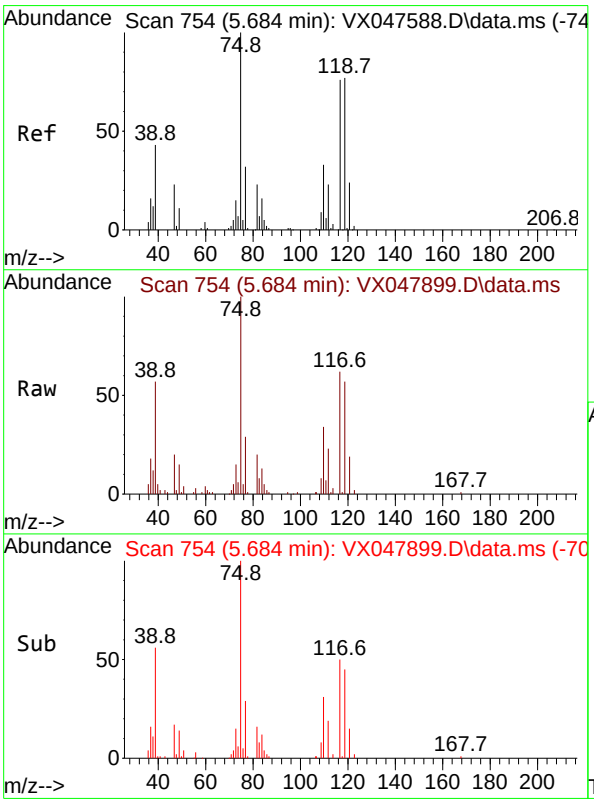
#35
Dibromofluoromethane
Concen: 52.144 ug/l
RT: 5.367 min Scan# 7(
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:113 Resp: 88183

Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.9	121.3
192	17.9	14.2	21.4

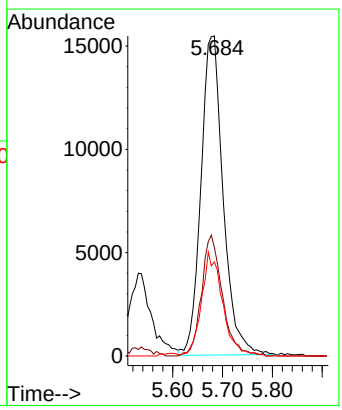


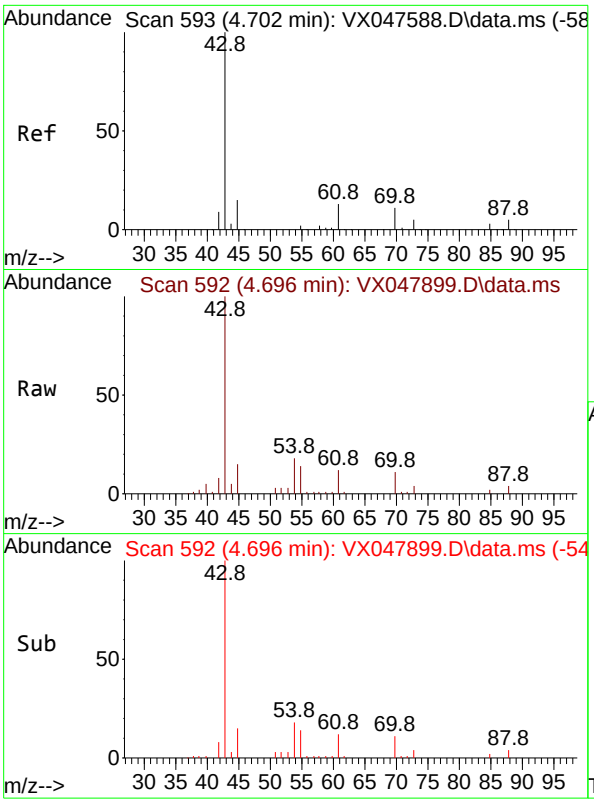


#36
1,1-Dichloropropene
Concen: 19.374 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 47877

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.1
77	30.8	24.3	36.5



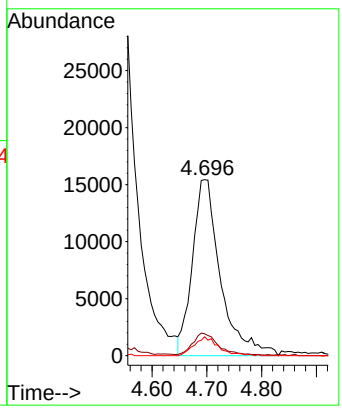


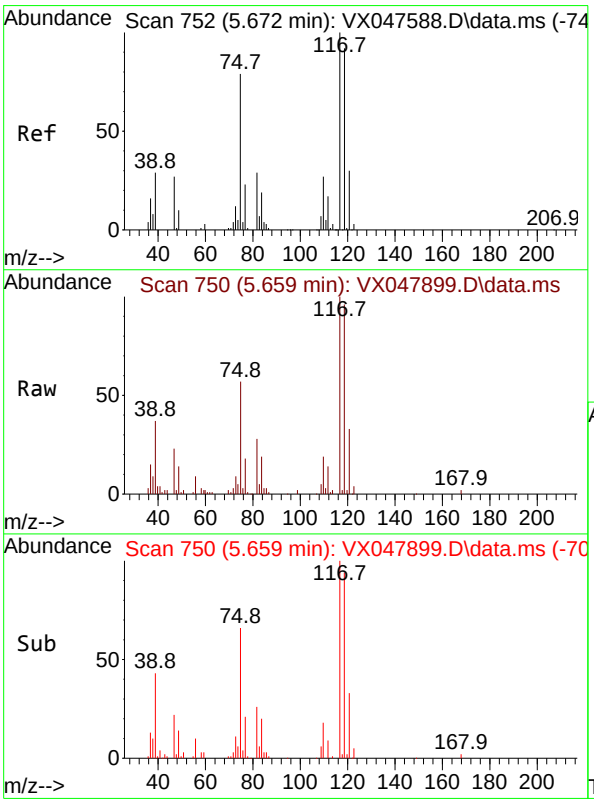
#37
Ethyl Acetate
Concen: 20.797 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 55026

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	9.3	7.9	11.9

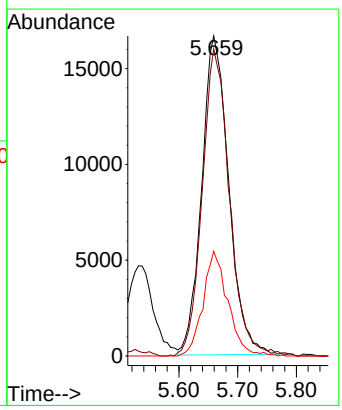


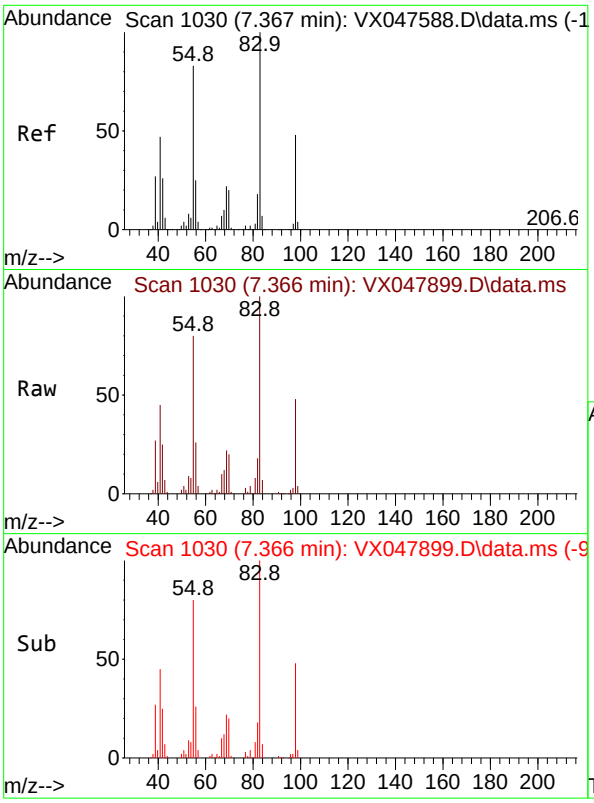


#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 53161

Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.4	110.2
121	32.9	23.8	35.6



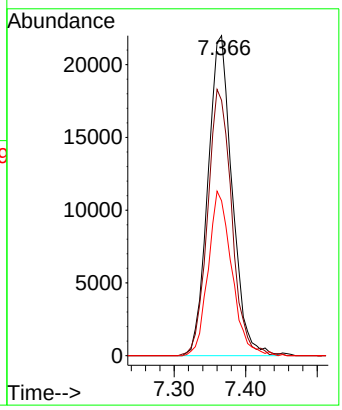


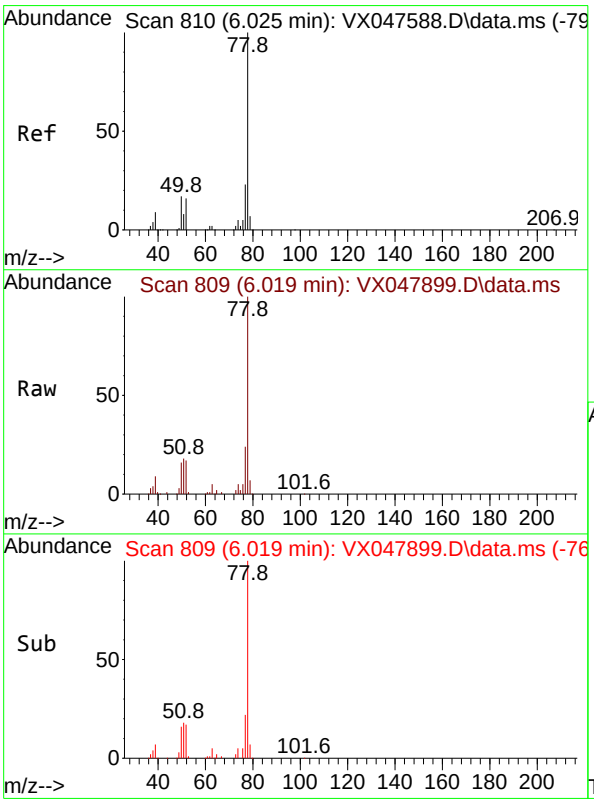
#39
Methylcyclohexane
Concen: 18.466 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 51798

Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.4	99.6
98	48.4	38.1	57.1

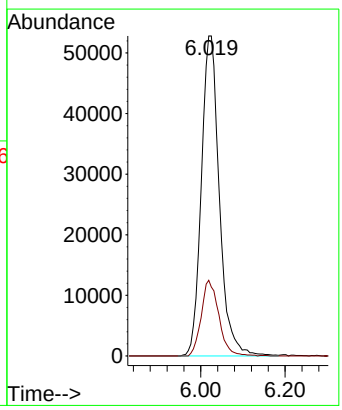


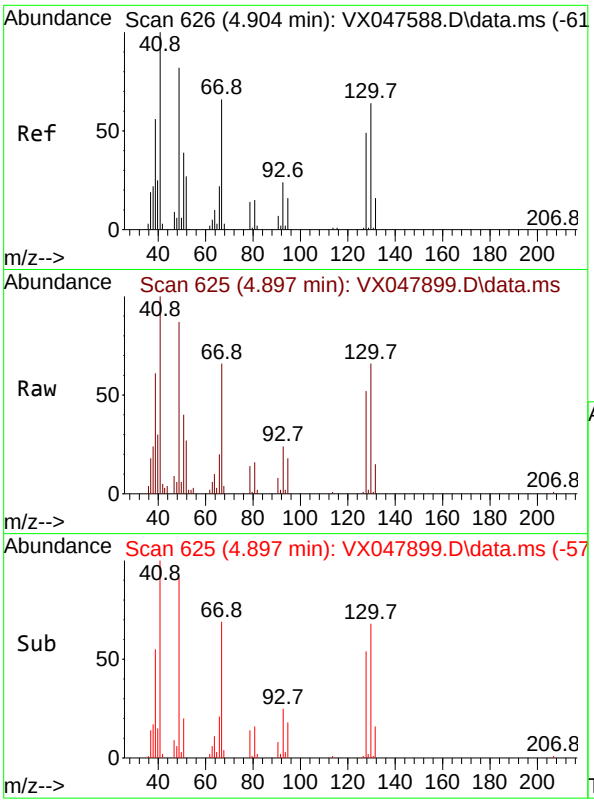


#40
Benzene
Concen: 20.917 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 78 Resp: 156993

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



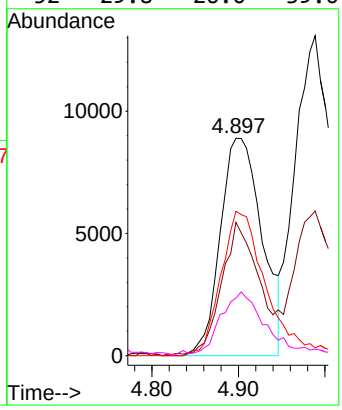


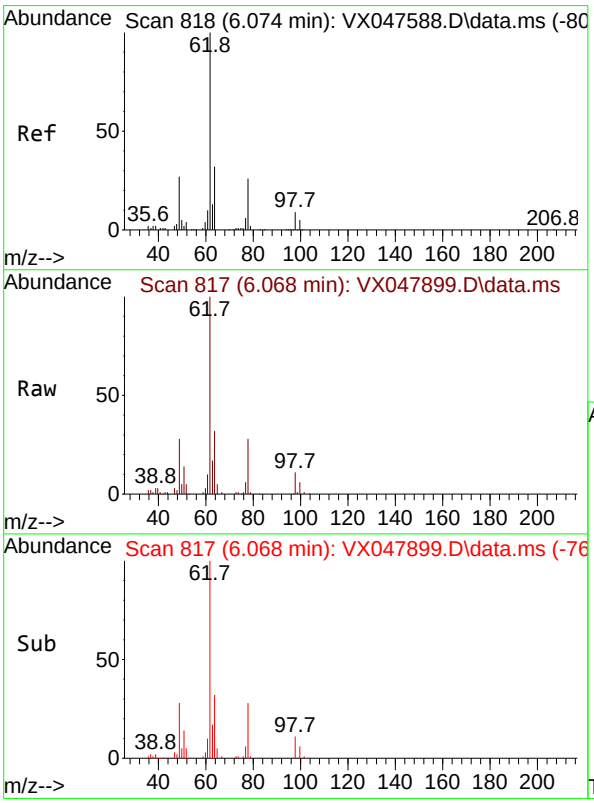
#41
Methacrylonitrile
Concen: 21.873 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 41 Resp: 29878

Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	72.3	58.6	87.8
52	29.8	26.0	39.0

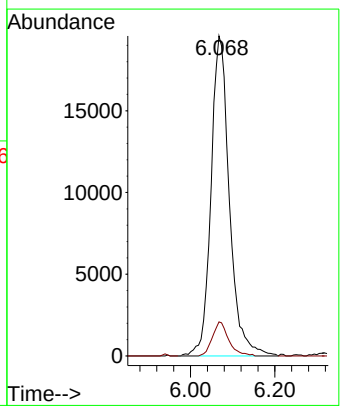


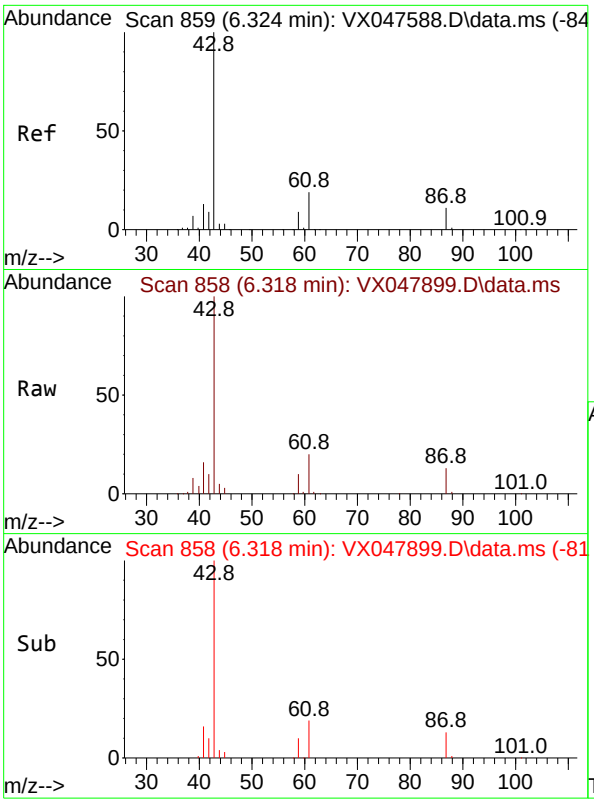


#42
1,2-Dichloroethane
Concen: 20.756 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 59274

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.0



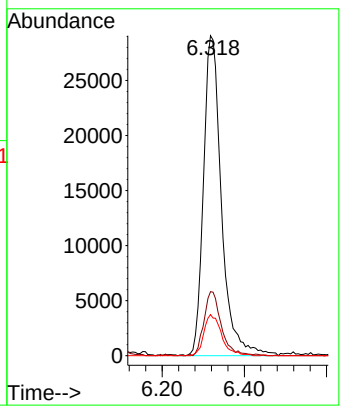


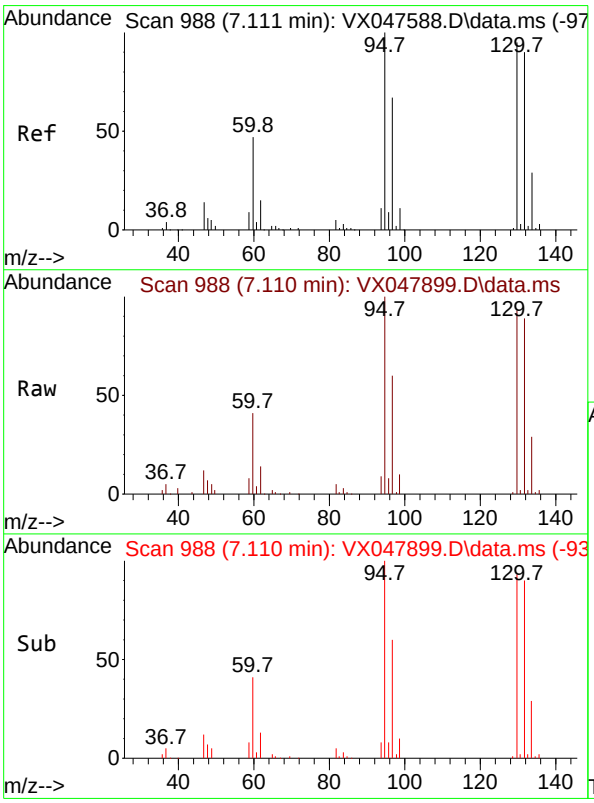
#43
Isopropyl Acetate
Concen: 20.358 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 88344

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.6	9.6	14.4

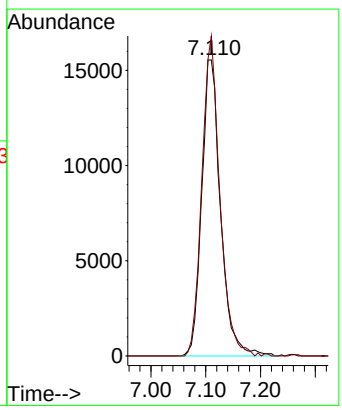


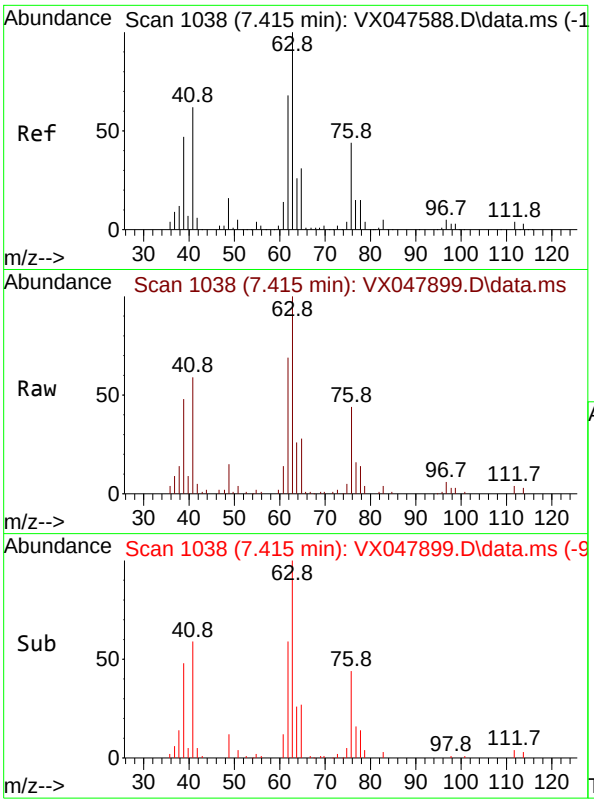


#44
Trichloroethene
Concen: 20.459 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:130 Resp: 37124

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	210.8



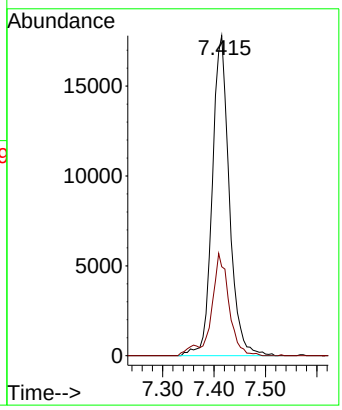


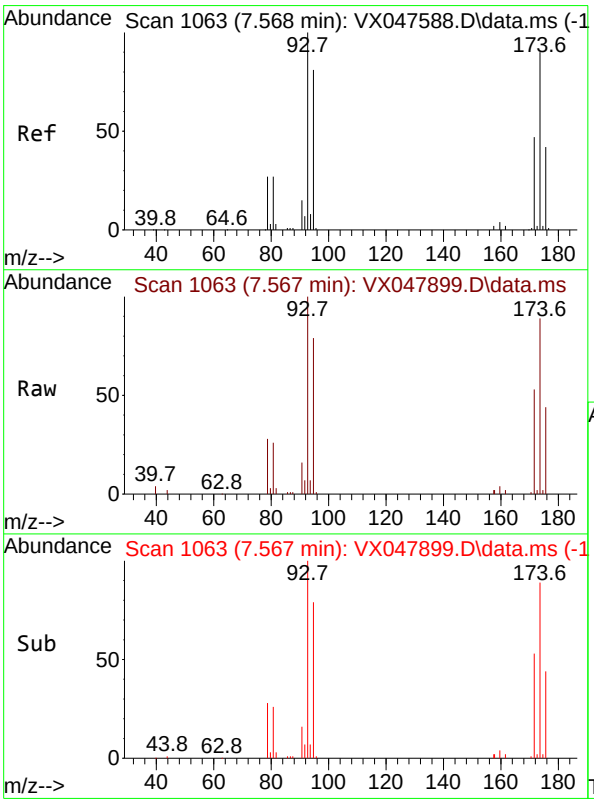
#45
1,2-Dichloropropane
Concen: 21.336 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 63 Resp: 41005

Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.7	37.1

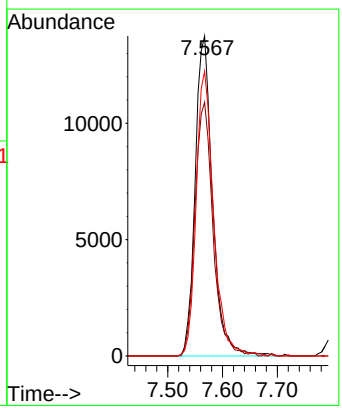


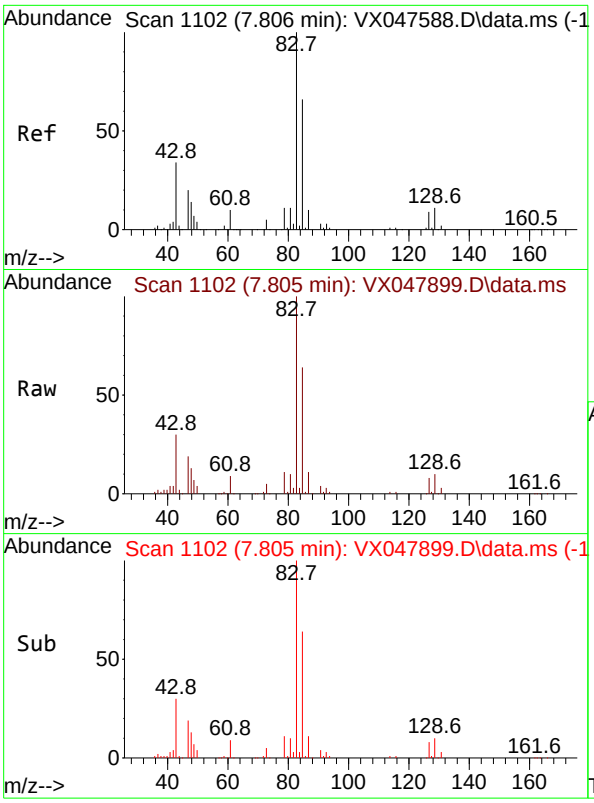


#46
Dibromomethane
Concen: 21.661 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 93 Resp: 30294

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	89.2	71.6	107.4



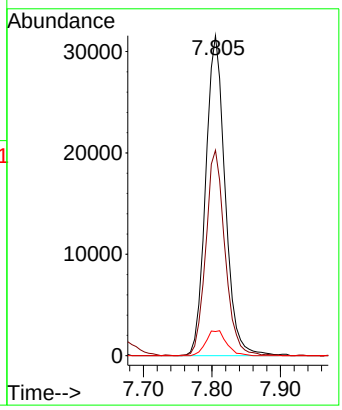


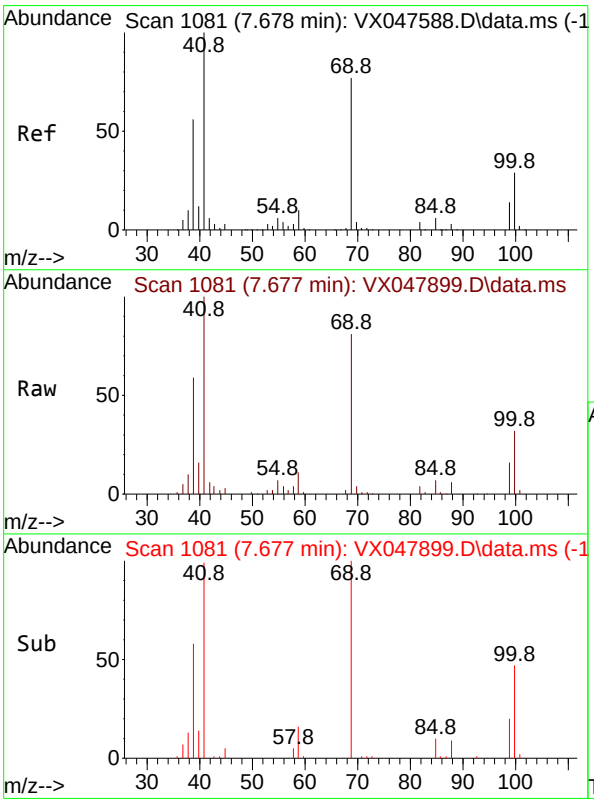
#47
Bromodichloromethane
Concen: 21.510 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 62078

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	8.5	6.9	10.3

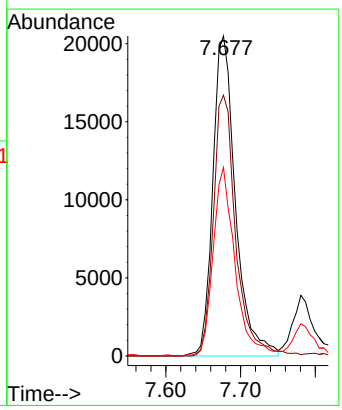


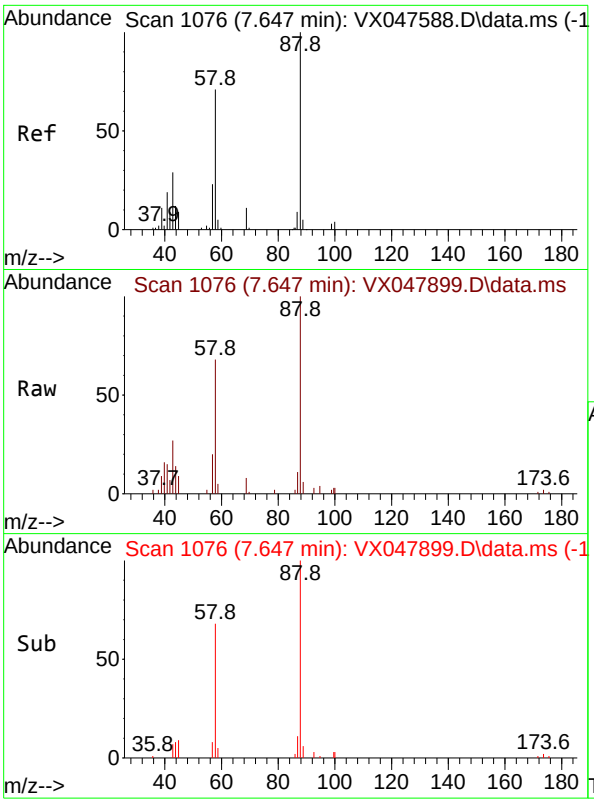


#48
Methyl methacrylate
Concen: 19.998 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 43226

Ion	Ratio	Lower	Upper
41	100		
69	80.6	61.4	92.2
39	56.9	45.8	68.6



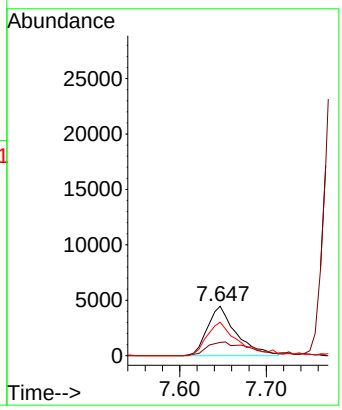


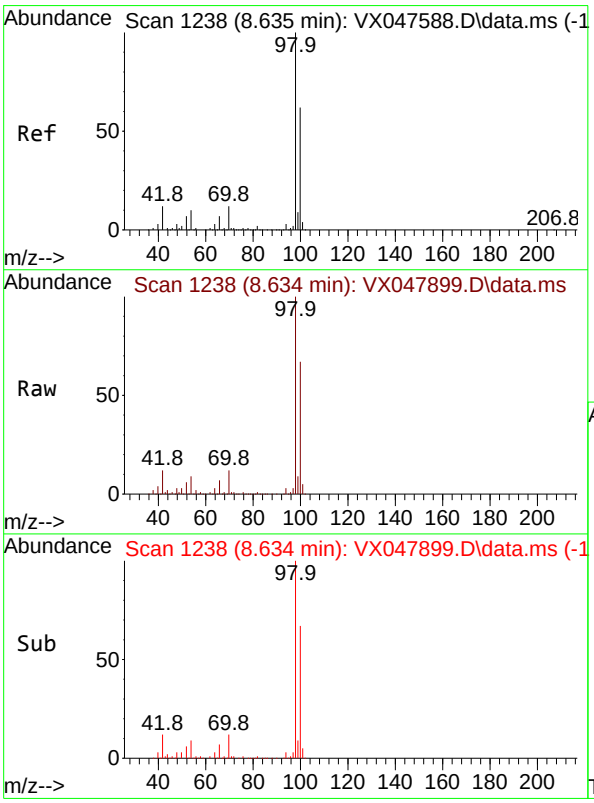
#49
1,4-Dioxane
Concen: 471.195 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 88 Resp: 10293

Ion	Ratio	Lower	Upper
88	100		
43	41.0	30.2	45.2
58	73.3	59.5	89.3

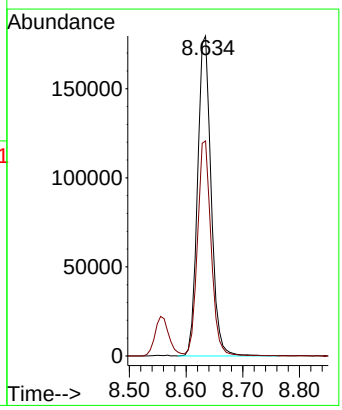


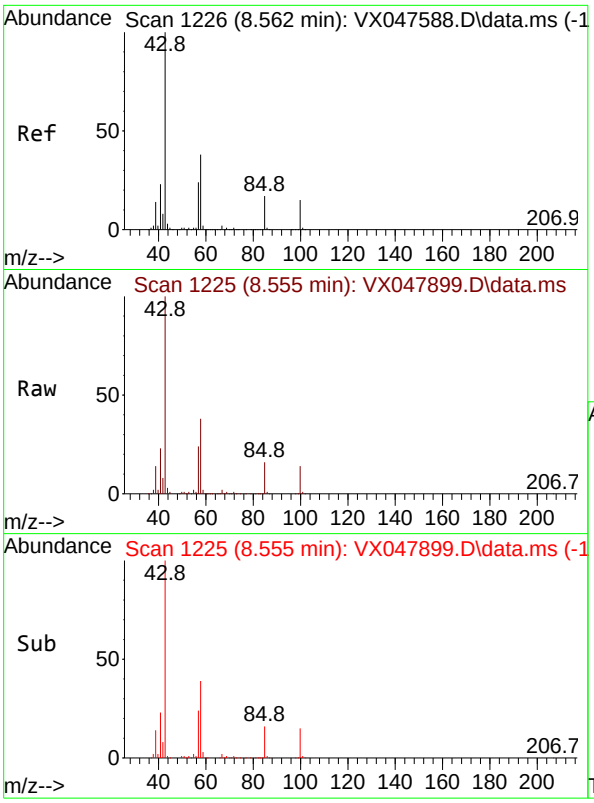


#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 98 Resp: 298245

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



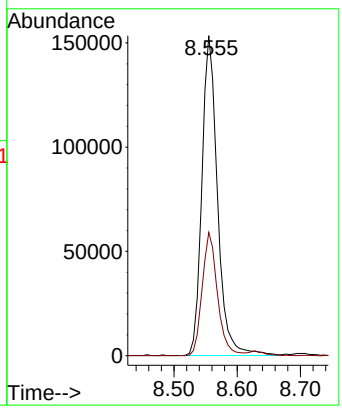


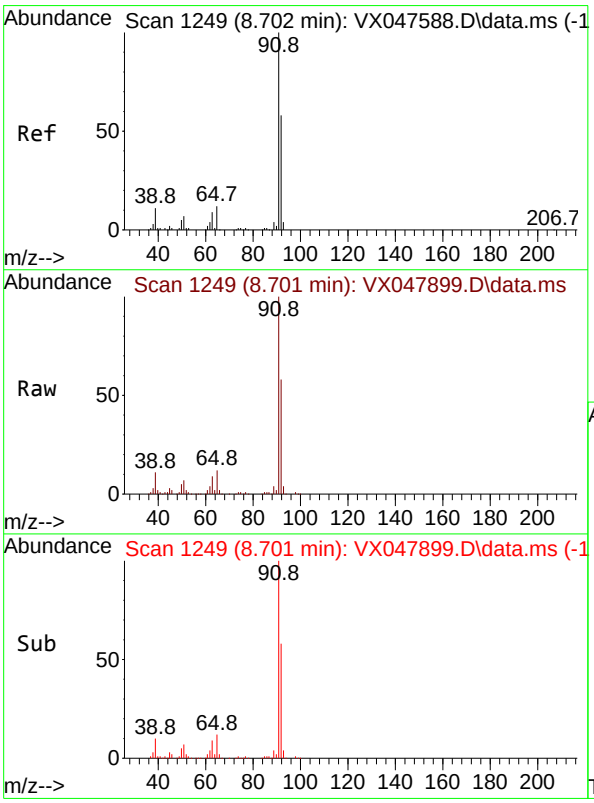
#51
4-Methyl-2-Pentanone
Concen: 109.932 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 264493

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

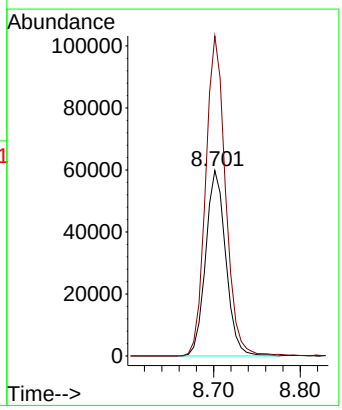


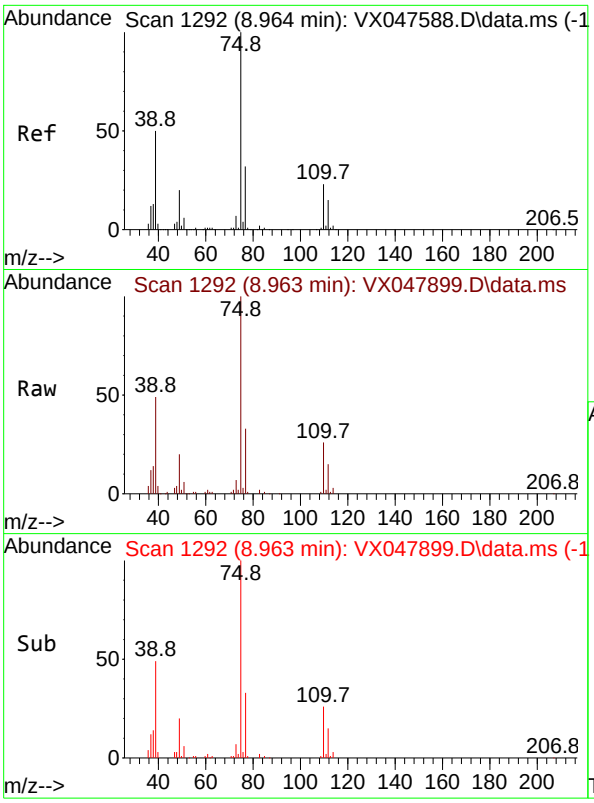


#52
Toluene
Concen: 20.855 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 92 Resp: 96436

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7



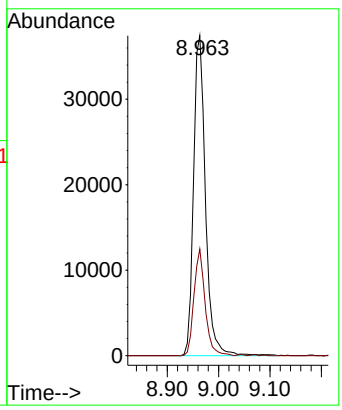


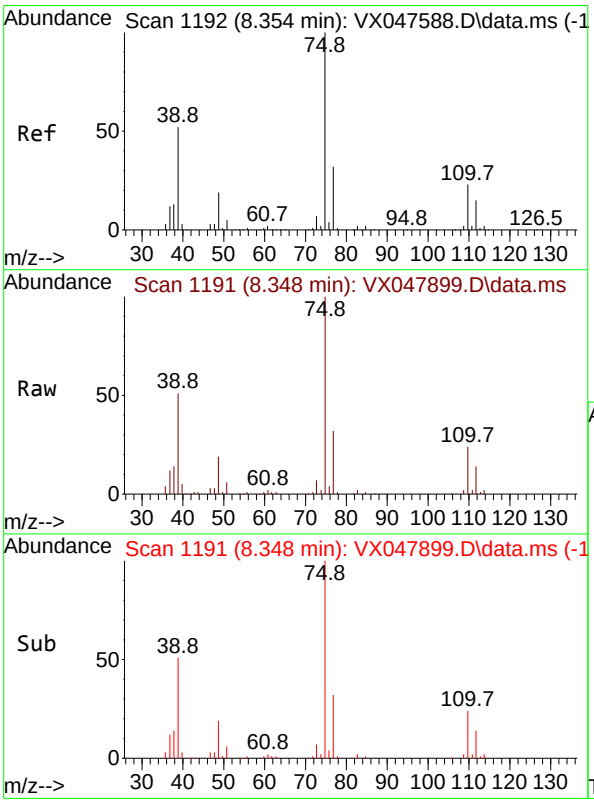
#53
t-1,3-Dichloropropene
Concen: 20.559 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 75 Resp: 60522

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2

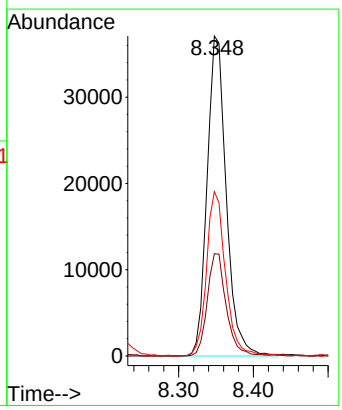


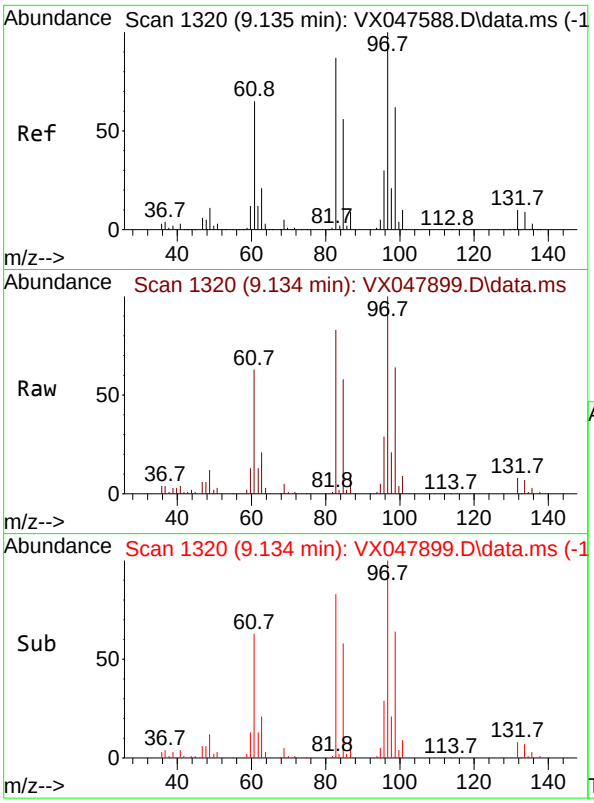


#54
cis-1,3-Dichloropropene
Concen: 20.996 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 66061

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	51.3	41.4	62.2



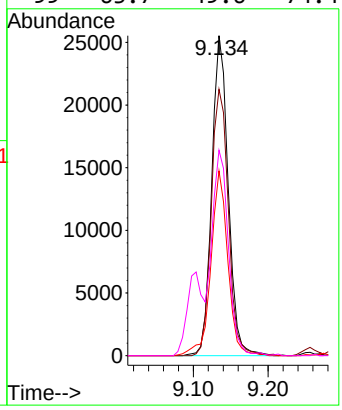


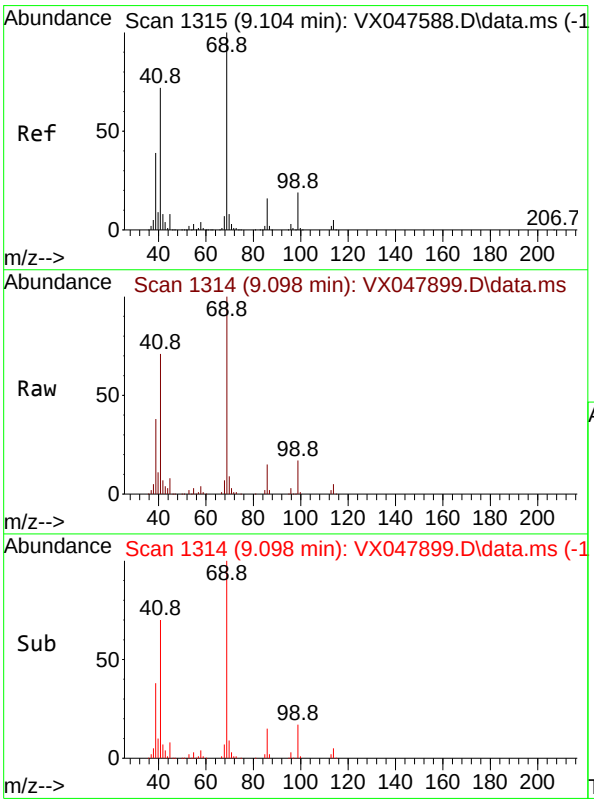
#55
1,1,2-Trichloroethane
Concen: 21.896 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 97 Resp: 39041

Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.6	104.4
85	59.5	45.0	67.6
99	63.7	49.6	74.4

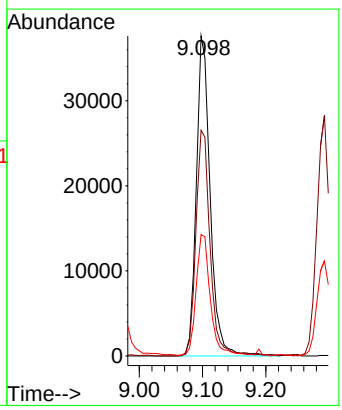


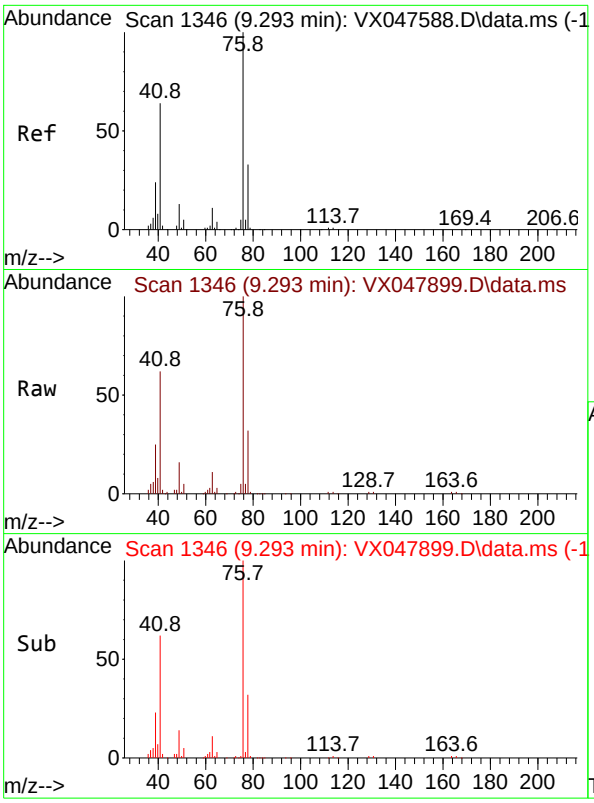


#56
Ethyl methacrylate
Concen: 20.558 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 69 Resp: 57568

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	39.1	31.5	47.3



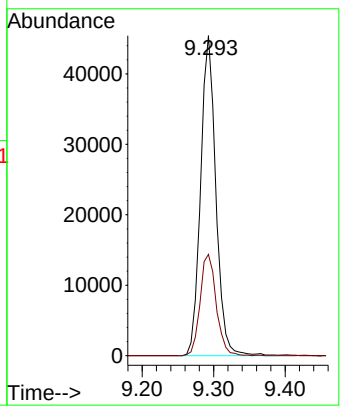


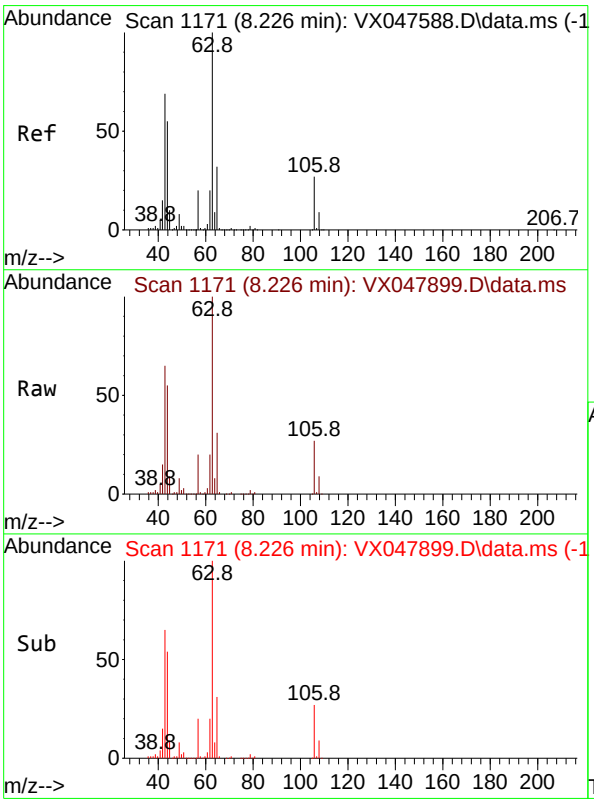
#57
1,3-Dichloropropane
Concen: 21.973 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 76 Resp: 67303

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.2	39.4

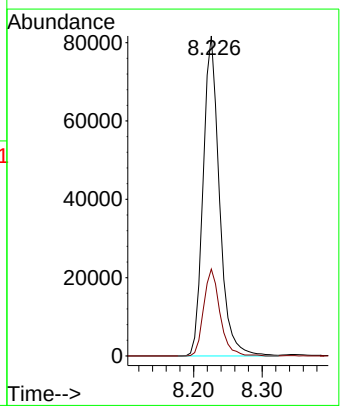


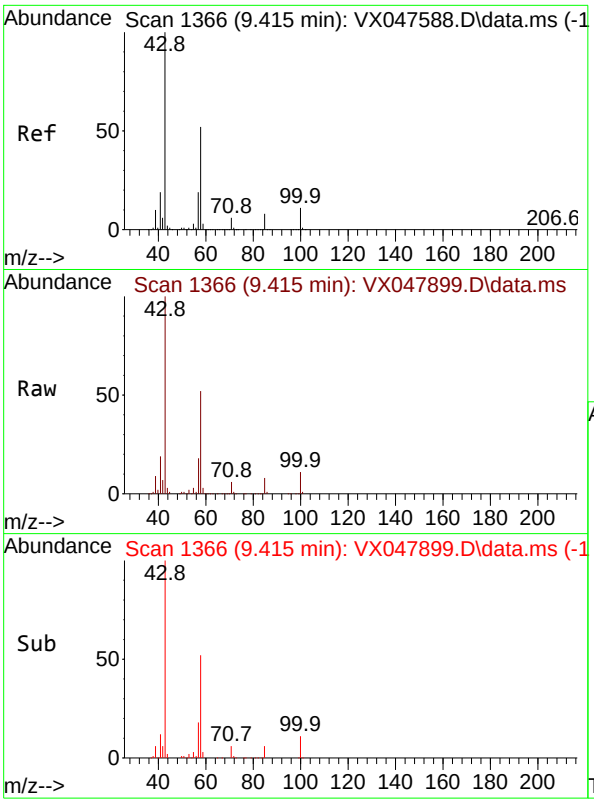


#58
2-Chloroethyl Vinyl ether
Concen: 108.246 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 135613

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.9	32.9



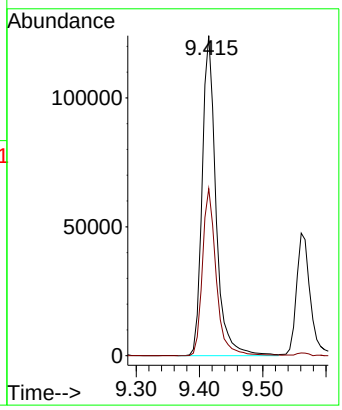


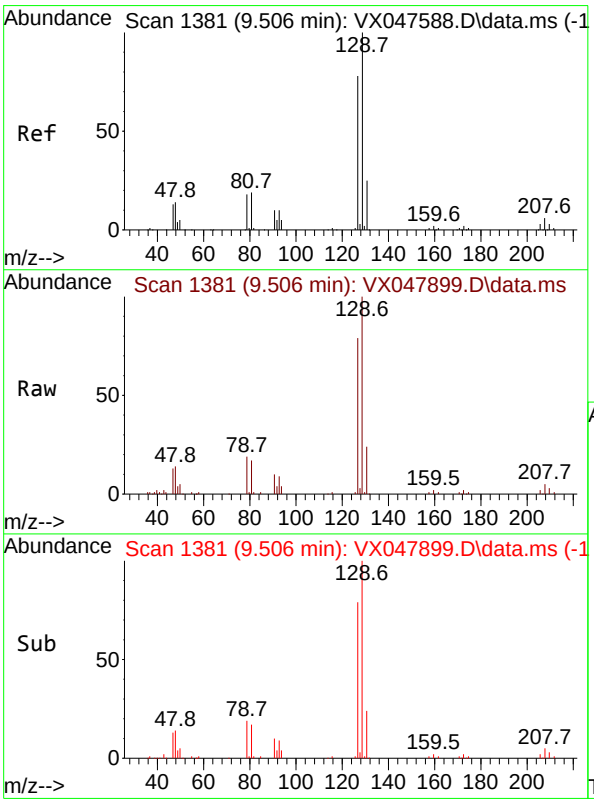
#59
2-Hexanone
Concen: 109.286 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 188844

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

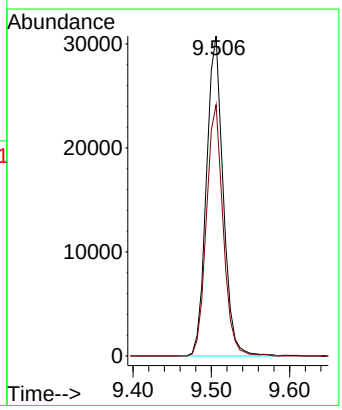


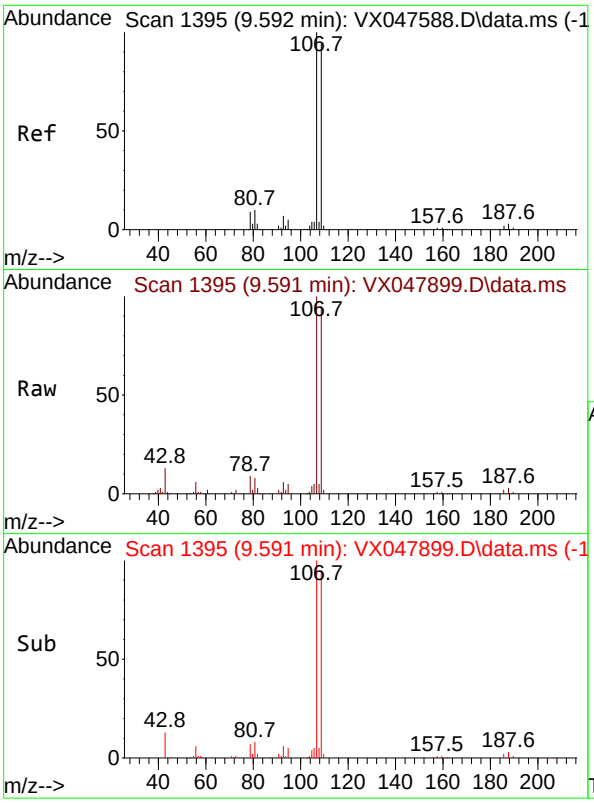


#60
Dibromochloromethane
Concen: 22.171 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:129 Resp: 45550

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2



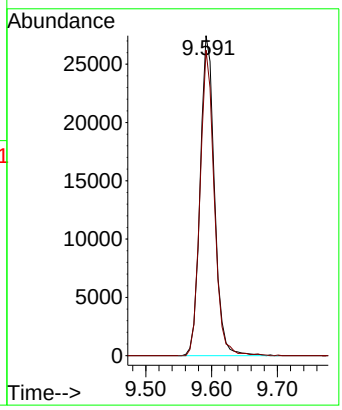


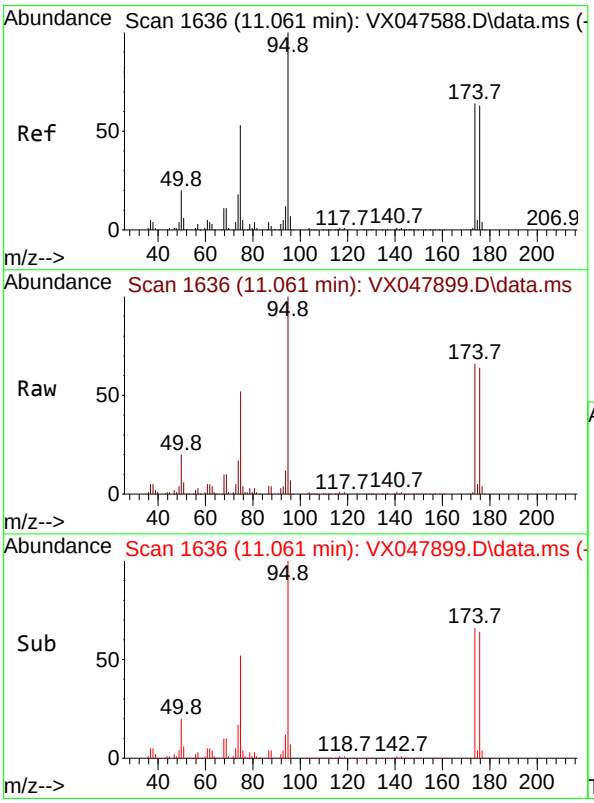
#61
1,2-Dibromoethane
Concen: 22.828 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:107 Resp: 41458

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.3	112.9

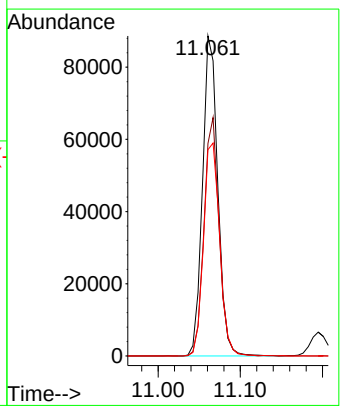


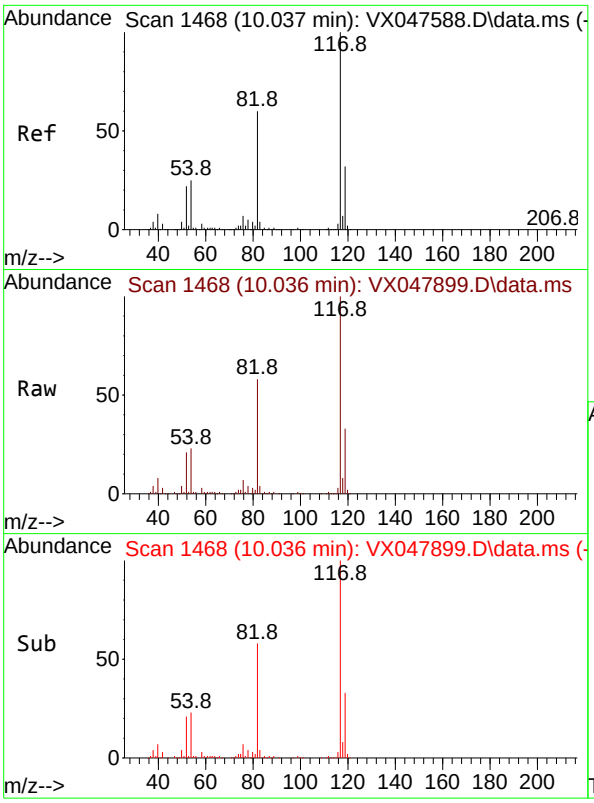


#62
4-Bromofluorobenzene
Concen: 51.645 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 95 Resp: 114694

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	141.6
176	70.5	0.0	138.4



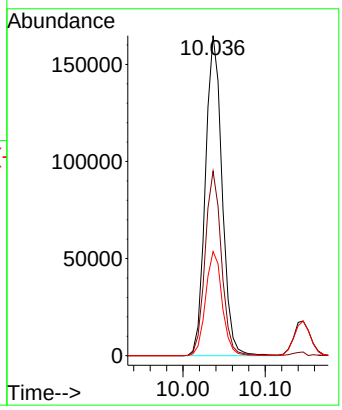


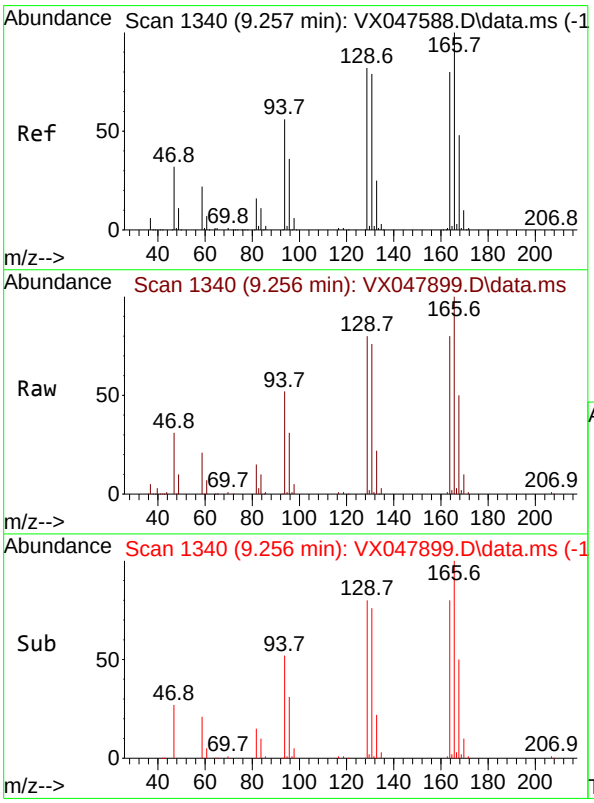
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:117 Resp: 231700

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.5	25.2	37.8

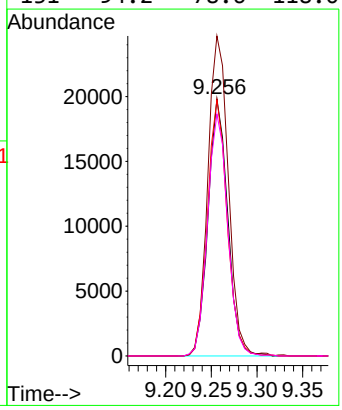


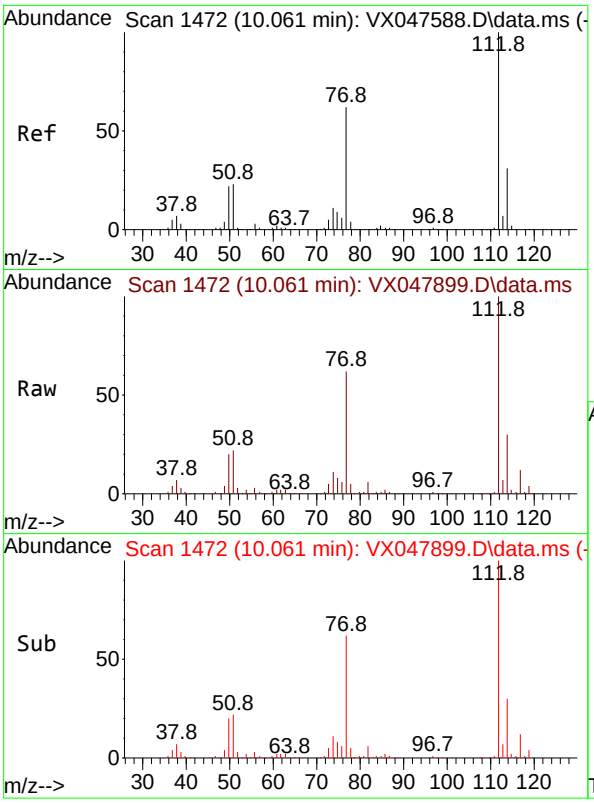


#64
Tetrachloroethene
Concen: 19.566 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:164 Resp: 29553

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.2	150.2
129	99.8	81.8	122.6
131	94.2	78.6	118.0



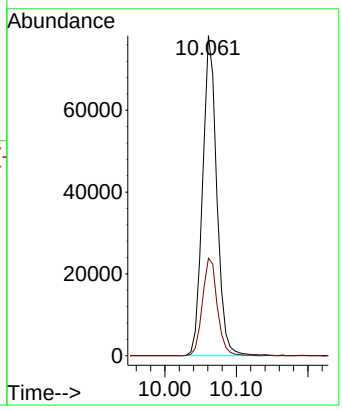


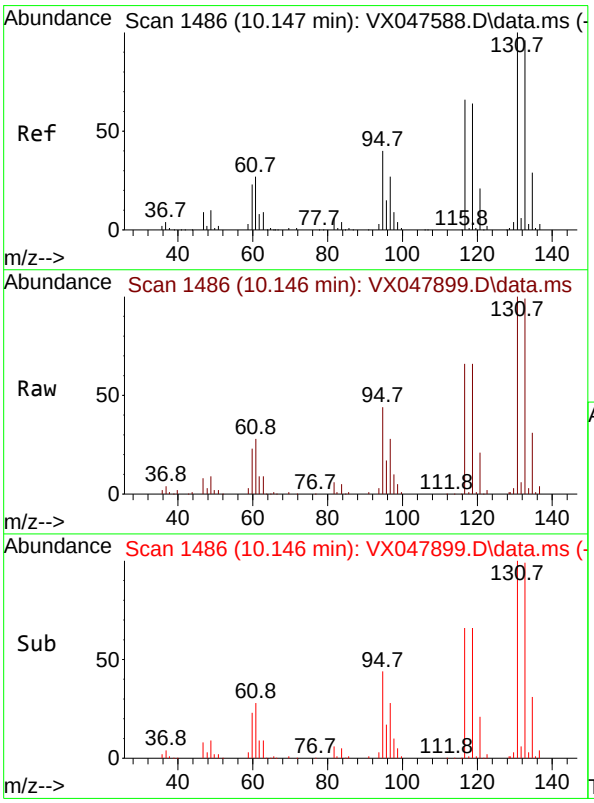
#65
Chlorobenzene
Concen: 20.495 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:112 Resp: 107879

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.1	37.7

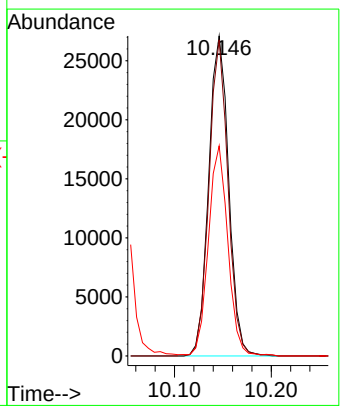


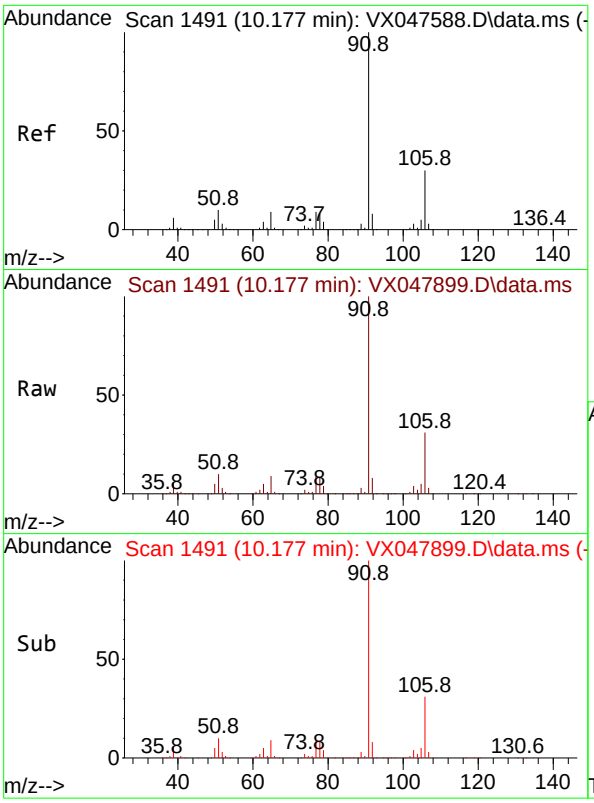


#66
1,1,1,2-Tetrachloroethane
Concen: 21.408 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:131 Resp: 38886

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	142.0
119	64.3	32.0	96.0



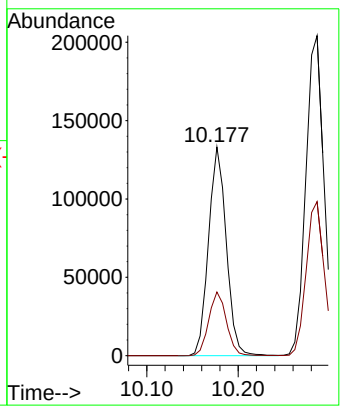


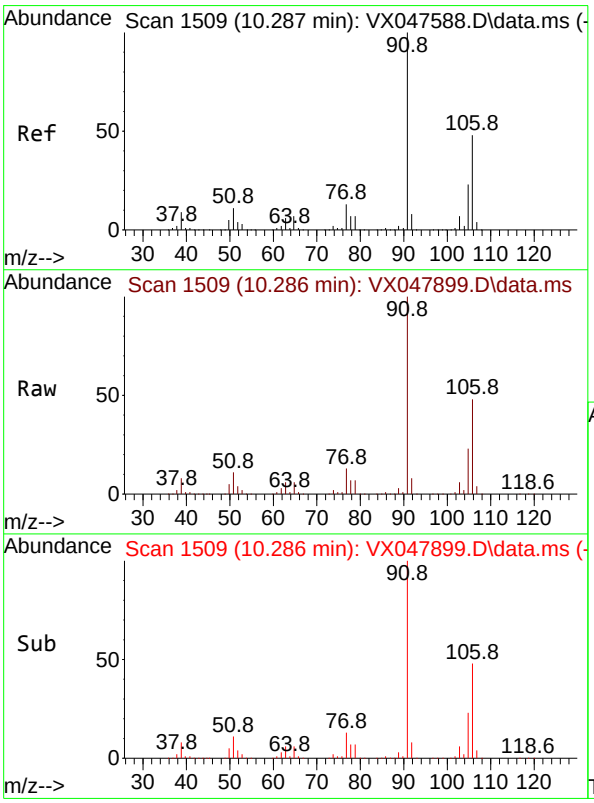
#67
Ethyl Benzene
Concen: 19.761 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 91 Resp: 179475

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

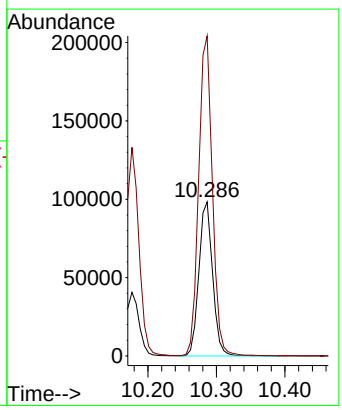


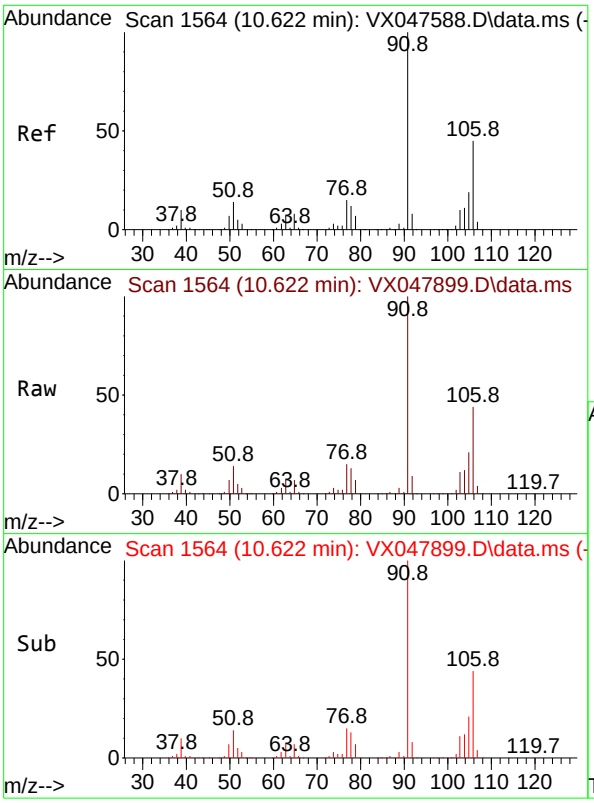


#68
m/p-Xylenes
Concen: 40.608 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:106 Resp: 137274

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8



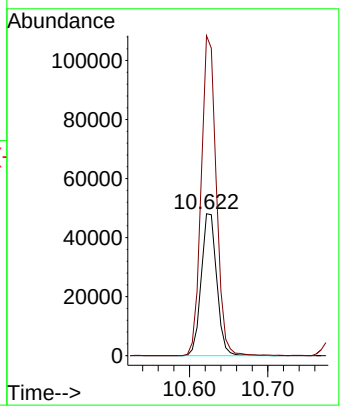


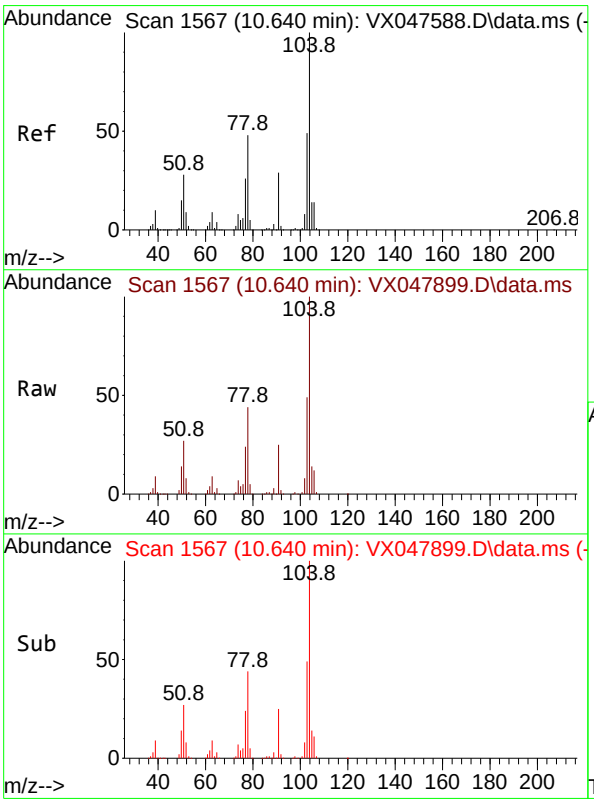
#69
o-Xylene
Concen: 20.178 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:106 Resp: 65978

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

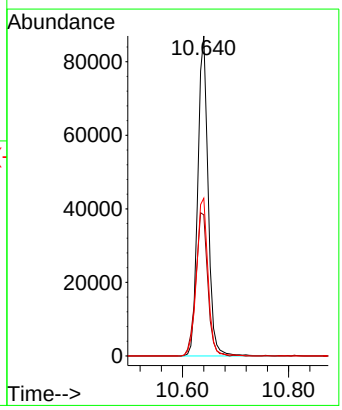


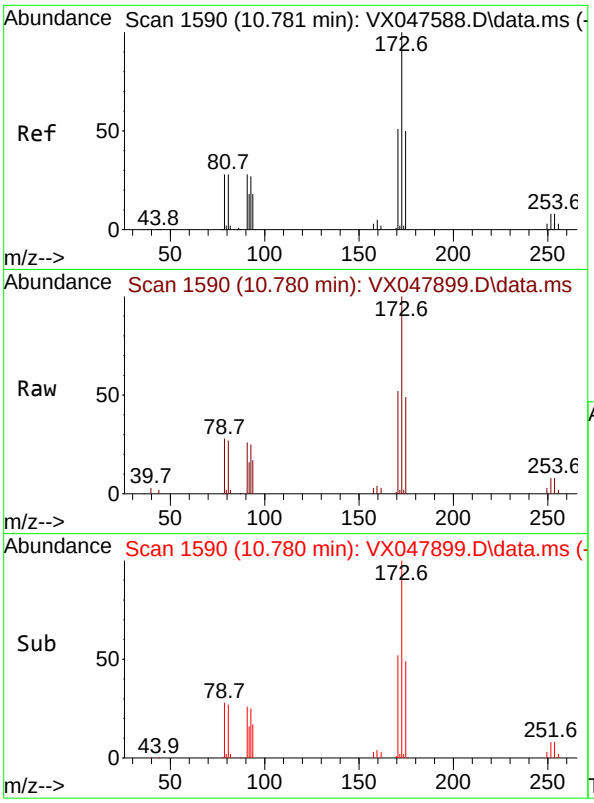


#70
Styrene
Concen: 20.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:104 Resp: 117279

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.1	64.7
103	54.7	43.1	64.7



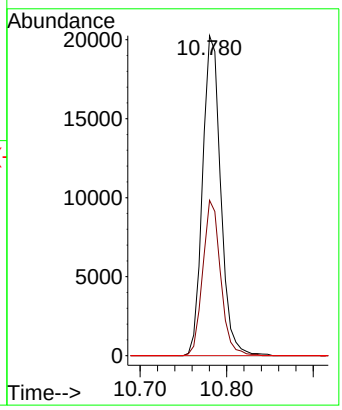


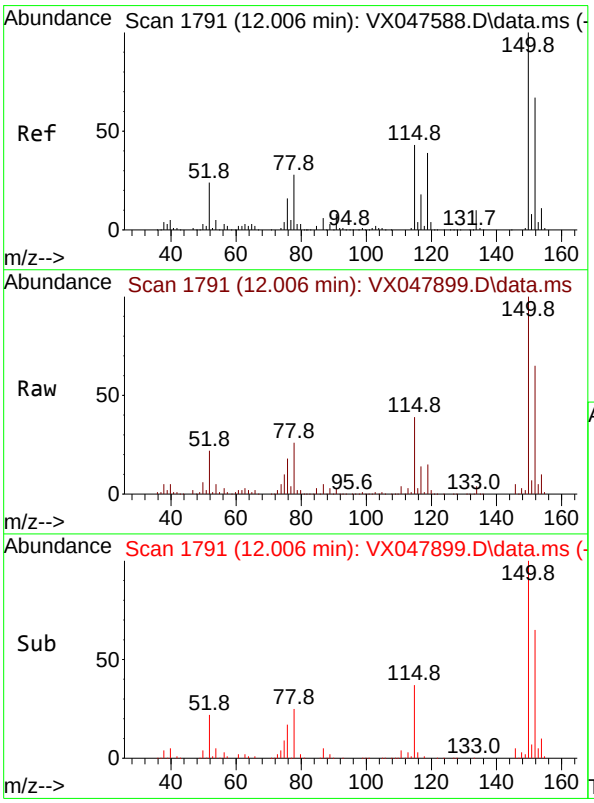
#71
Bromoform
Concen: 21.740 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:173 Resp: 29485

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1#

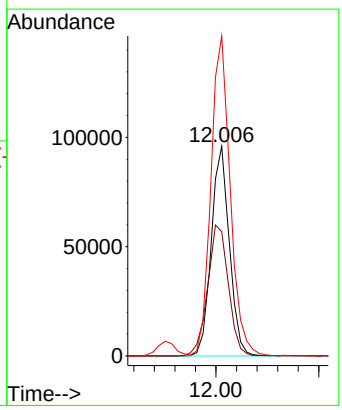


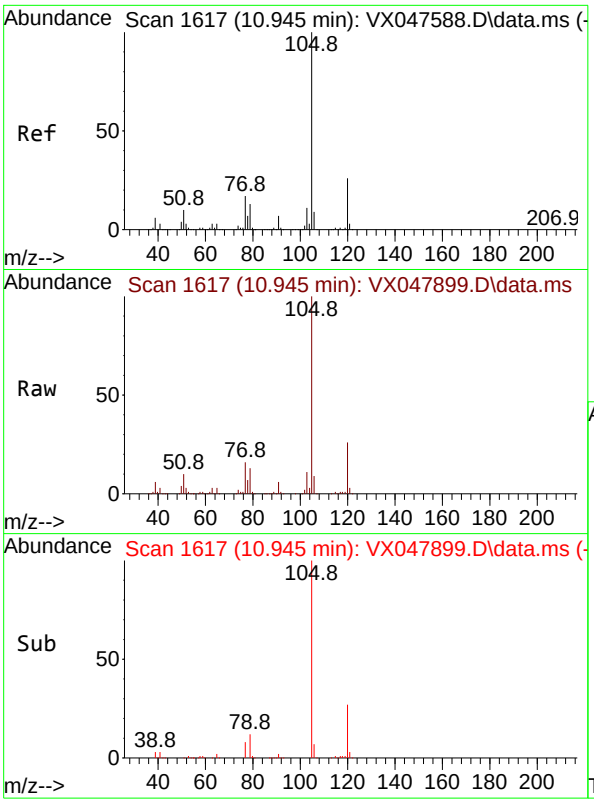


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:152 Resp: 116962

Ion	Ratio	Lower	Upper
152	100		
115	72.0	44.9	134.5
150	162.5	0.0	352.0



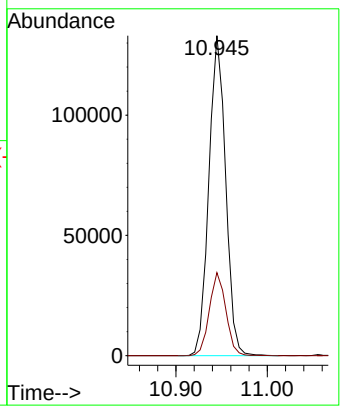


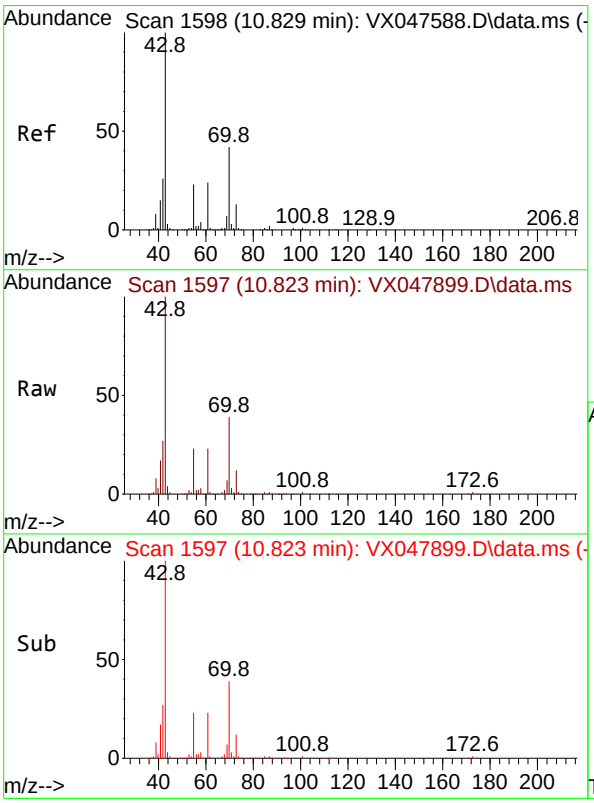
#73
Isopropylbenzene
Concen: 19.011 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:105 Resp: 169045

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

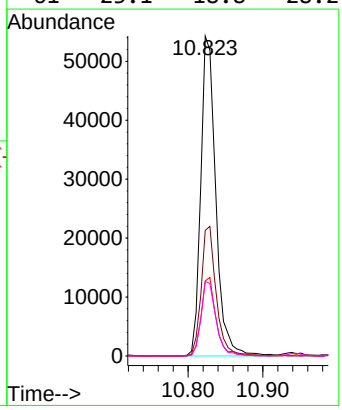


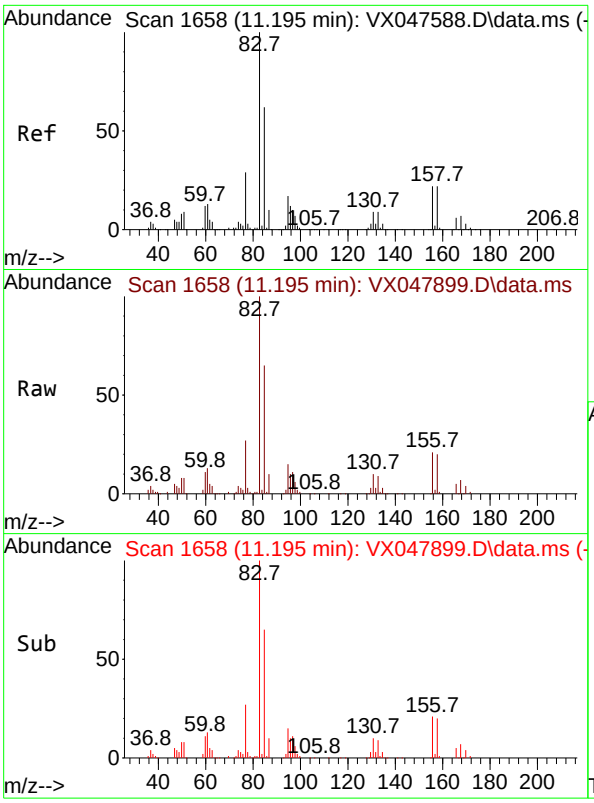


#74
N-amyl acetate
Concen: 18.720 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 75908

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.2	18.9	28.3
61	23.1	18.8	28.2



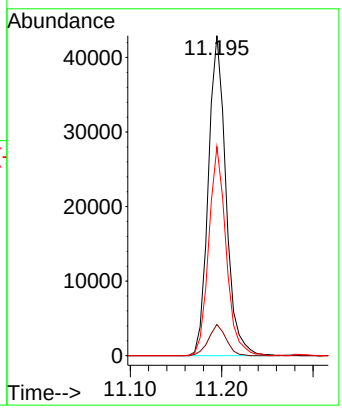


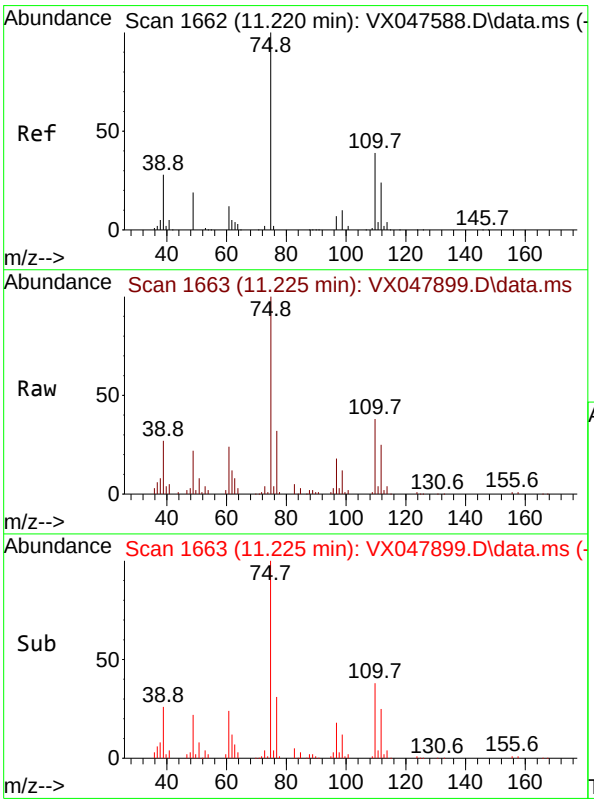
#75
1,1,2,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 57365

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.2	31.6	95.0

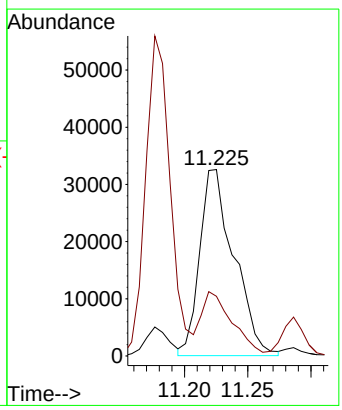


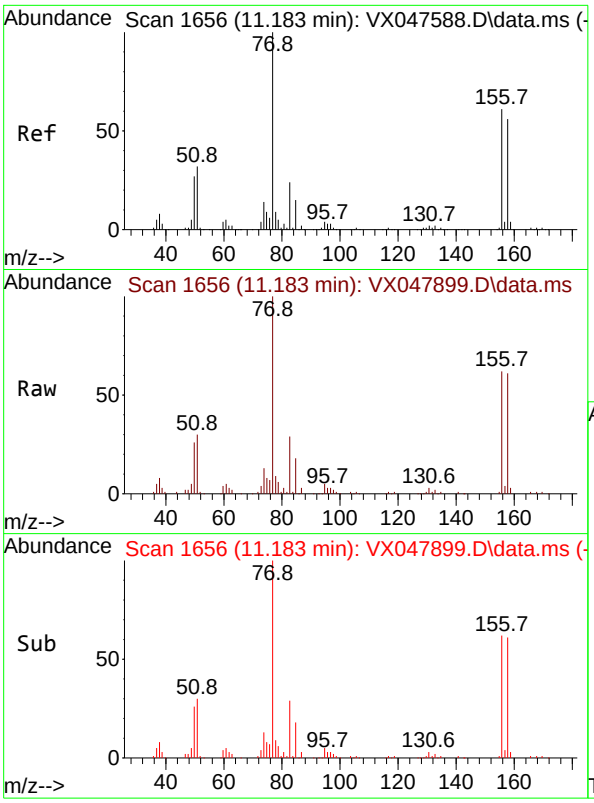


#76
1,2,3-Trichloropropane
Concen: 25.913 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 61365

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



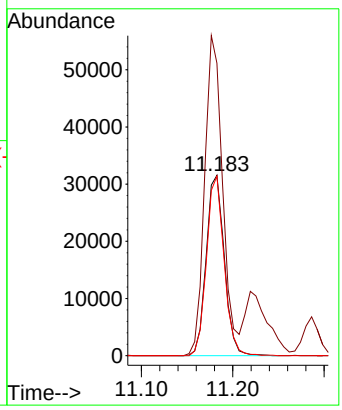


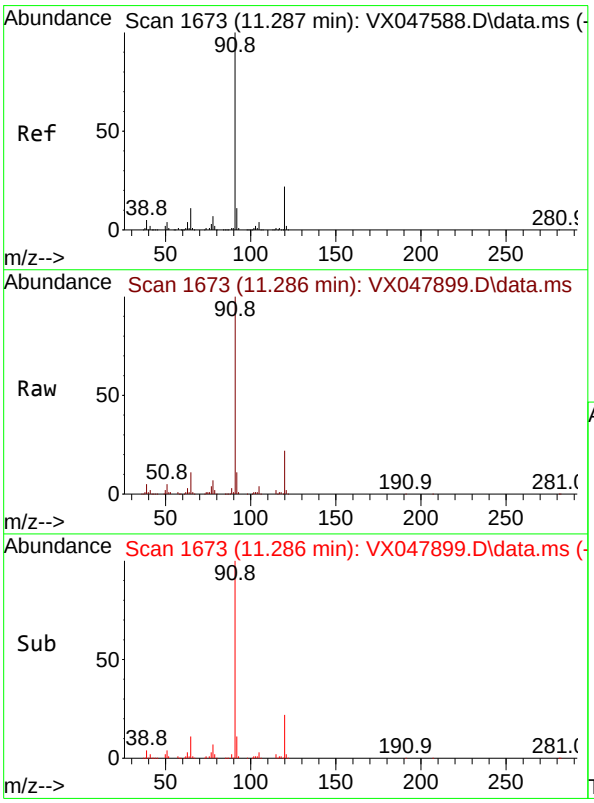
#77
Bromobenzene
Concen: 19.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:156 Resp: 43262

Ion	Ratio	Lower	Upper
156	100		
77	175.9	89.7	269.1
158	96.9	47.9	143.6

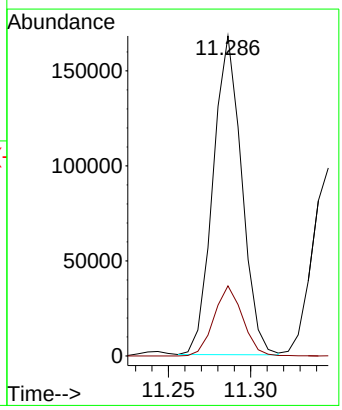


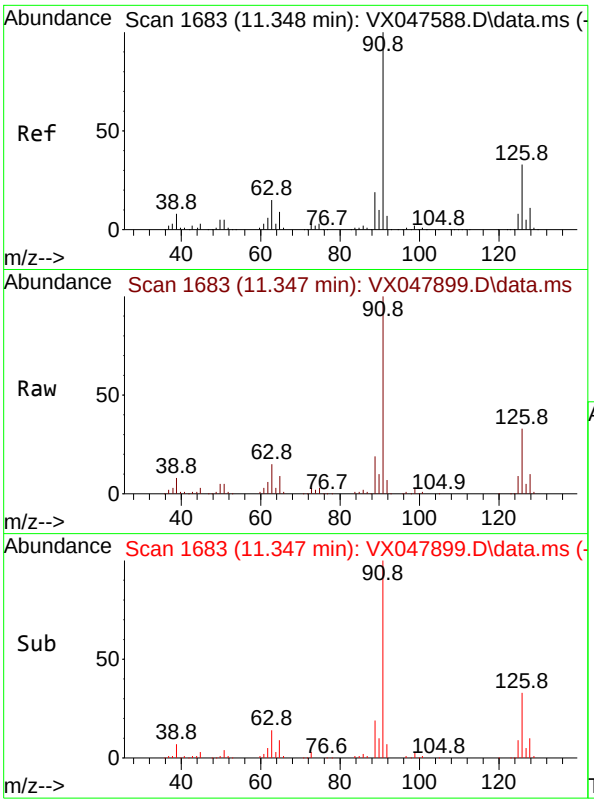


#78
n-propylbenzene
Concen: 19.346 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 203358

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1



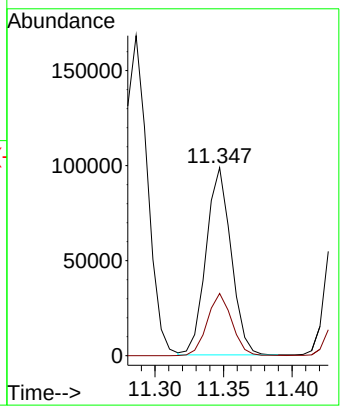


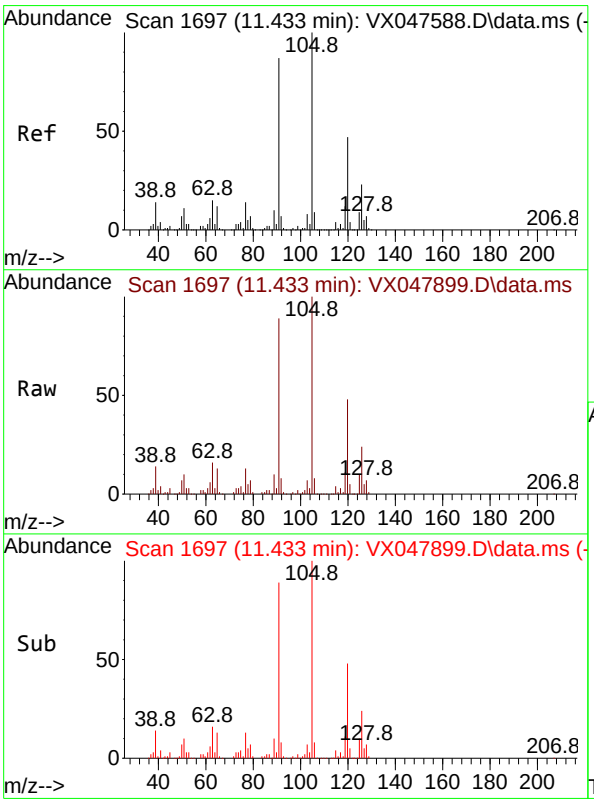
#79
2-Chlorotoluene
Concen: 19.454 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 91 Resp: 125246

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

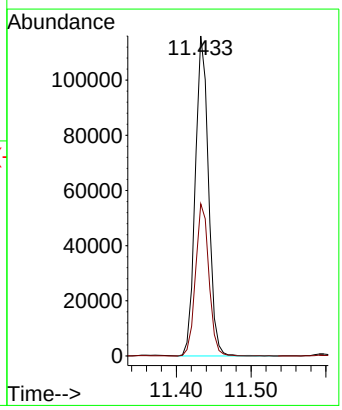


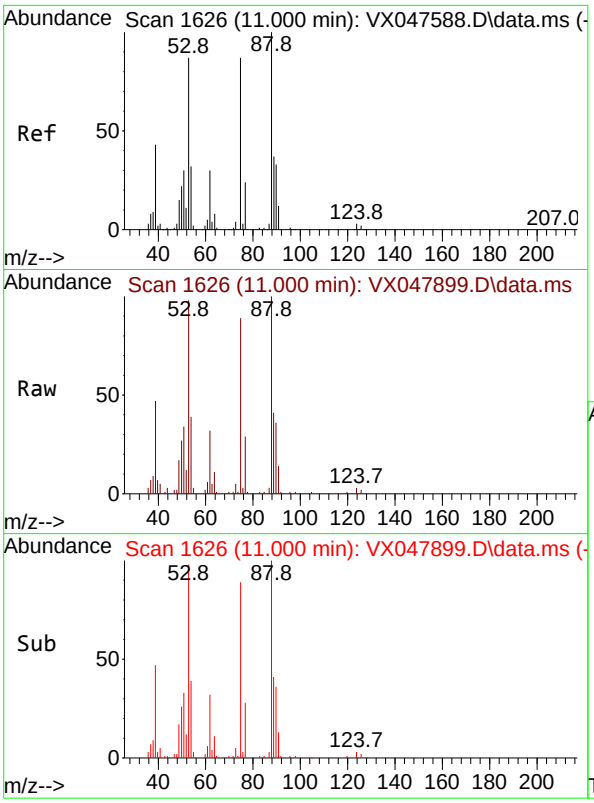


#80
1,3,5-Trimethylbenzene
Concen: 19.485 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 142350

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



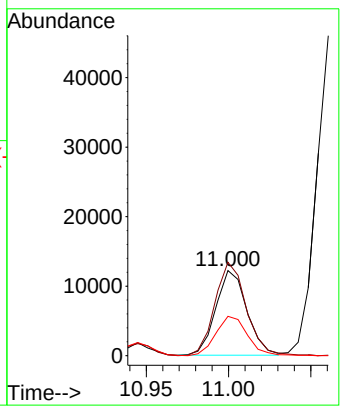


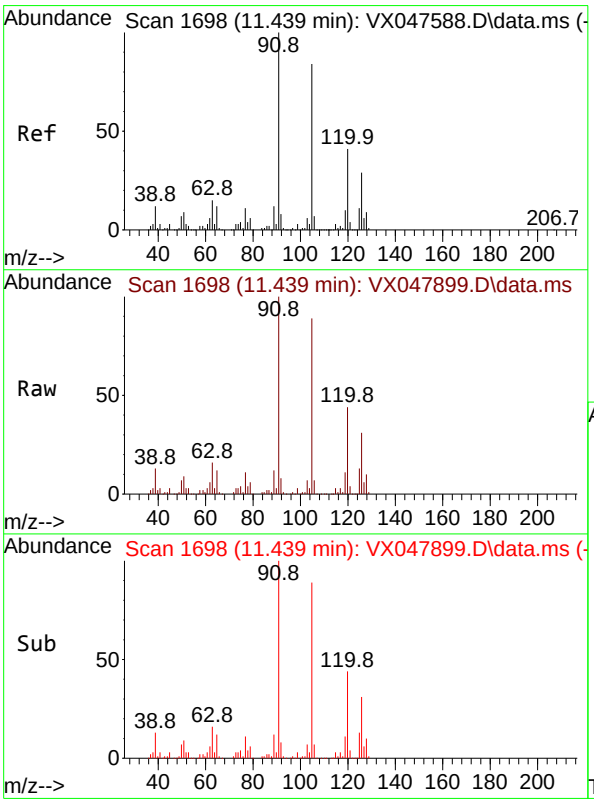
#81
trans-1,4-Dichloro-2-butene
Concen: 17.265 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 75 Resp: 16033

Ion	Ratio	Lower	Upper
75	100		
53	111.6	83.4	125.2
89	47.4	36.3	54.5

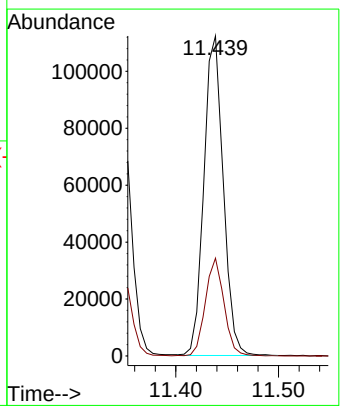


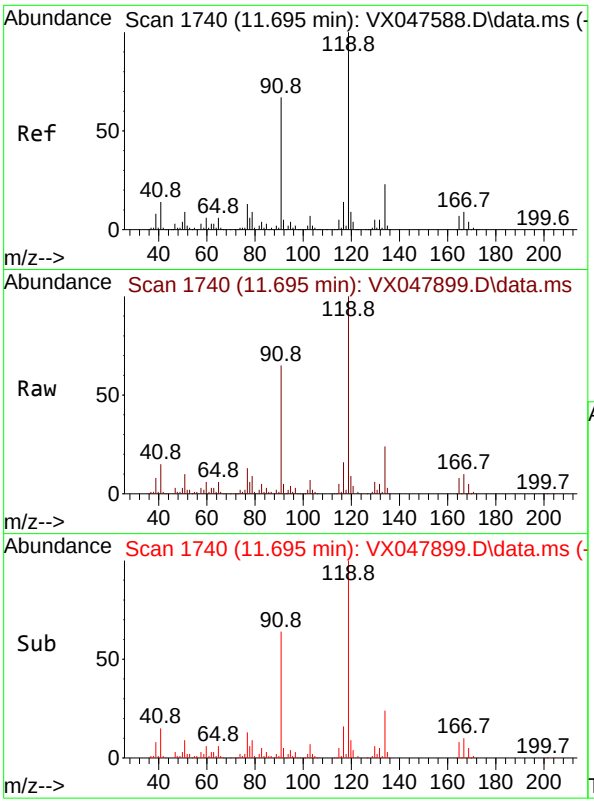


#82
4-Chlorotoluene
Concen: 19.377 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 147339

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6



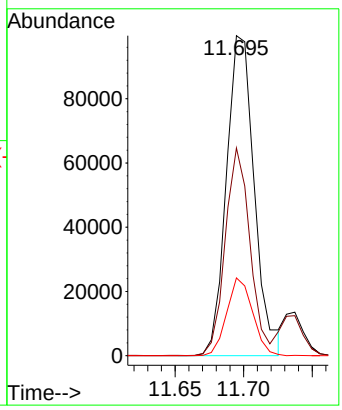


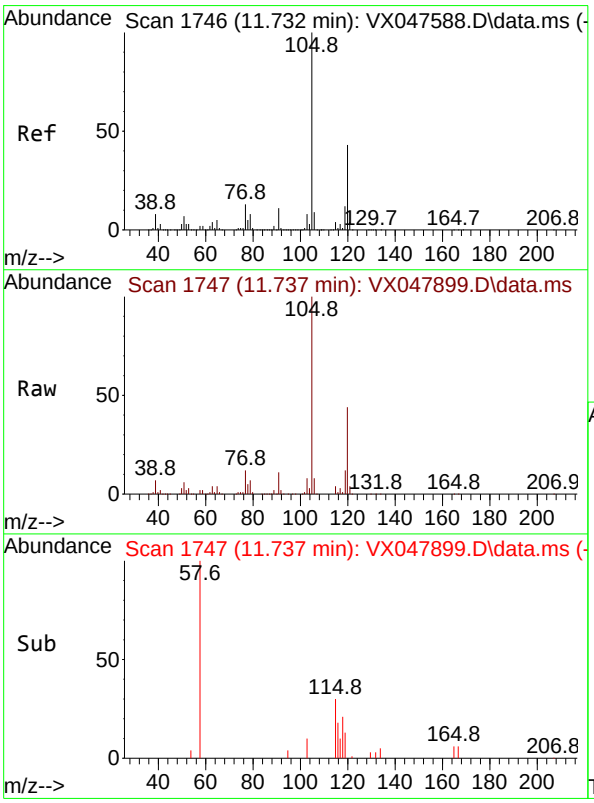
#83
tert-Butylbenzene
Concen: 18.892 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:119 Resp: 141288

Ion	Ratio	Lower	Upper
119	100		
91	57.5	29.6	88.8
134	22.5	11.0	33.0

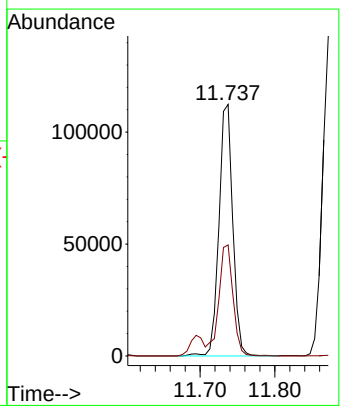


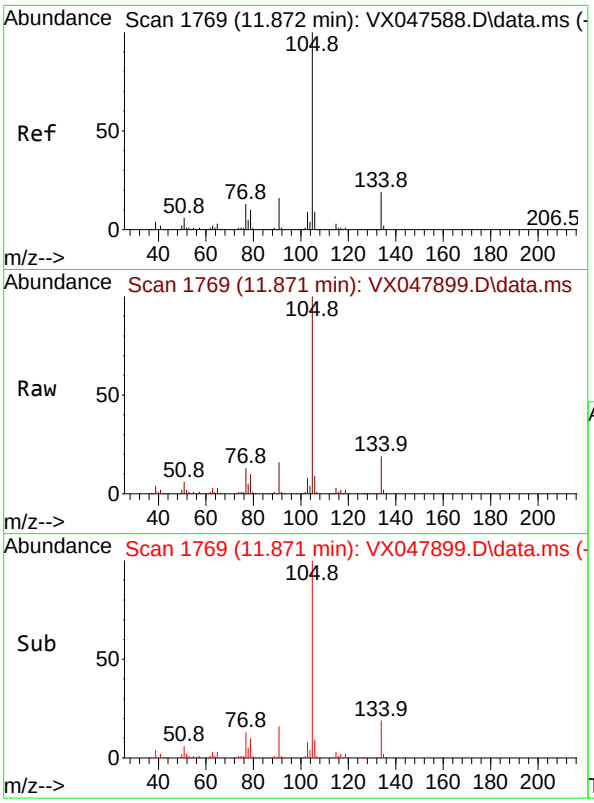


#84
1,2,4-Trimethylbenzene
Concen: 19.534 ug/l
RT: 11.737 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 144682

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.1



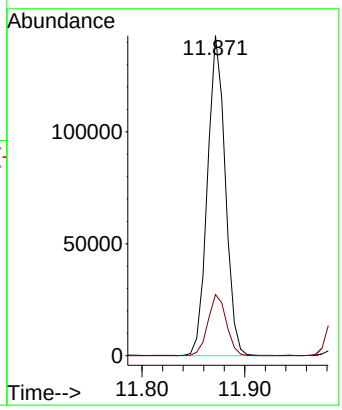


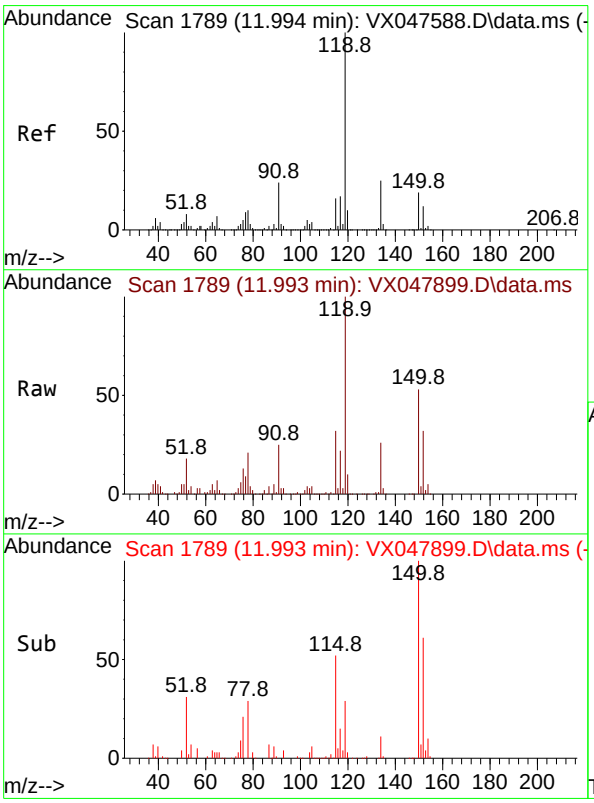
#85
sec-Butylbenzene
Concen: 19.363 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:105 Resp: 172007

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

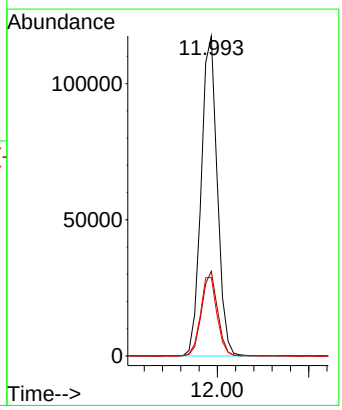


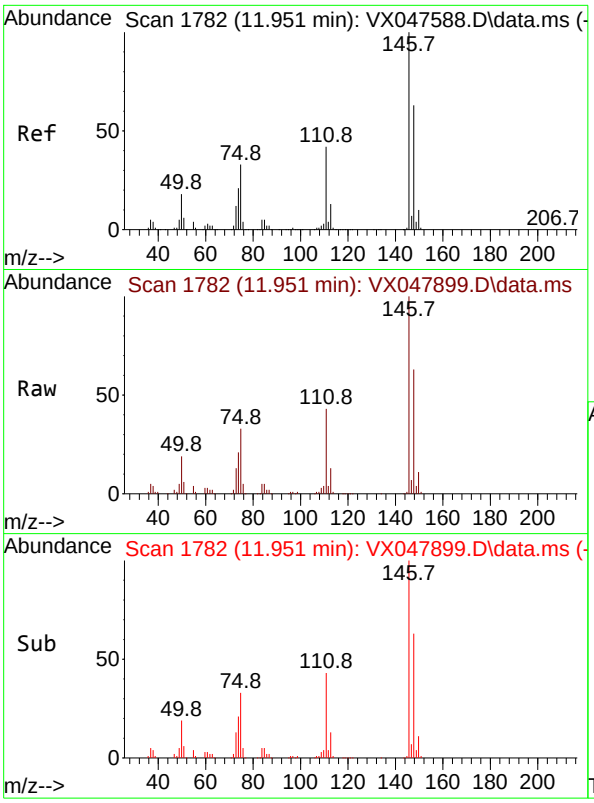


#86
p-Isopropyltoluene
Concen: 19.059 ug/l
RT: 11.993 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:119 Resp: 143333

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.5	12.6	37.6



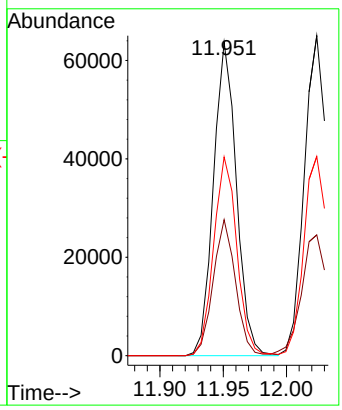


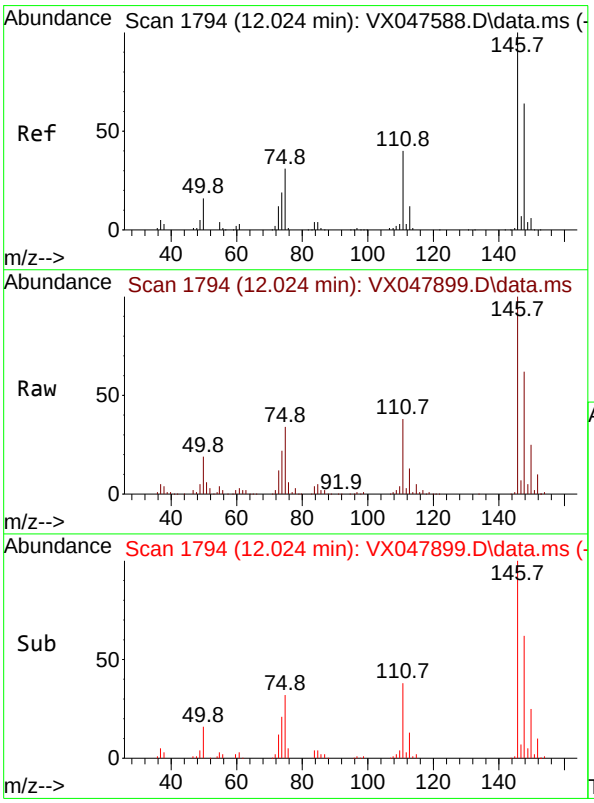
#87
1,3-Dichlorobenzene
Concen: 19.740 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:146 Resp: 80302

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.2	32.0	96.0

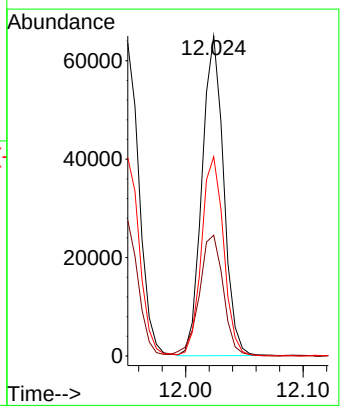


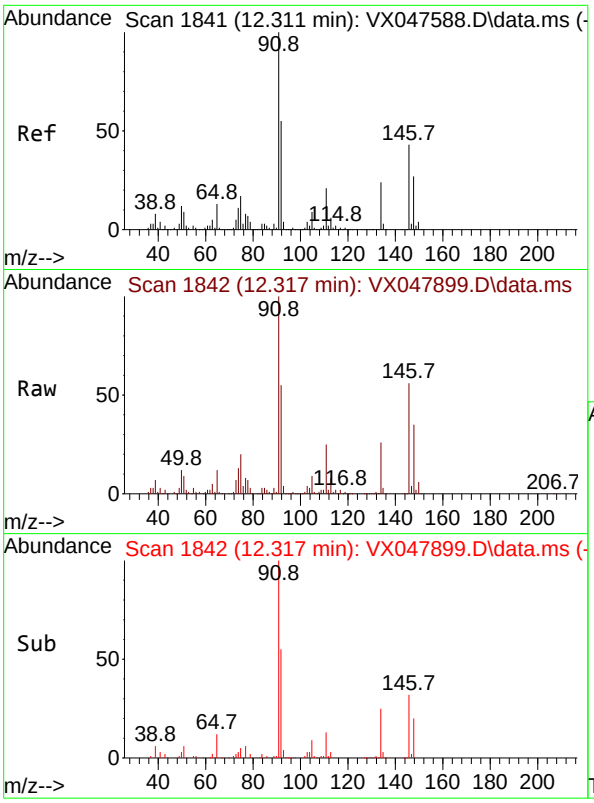


#88
1,4-Dichlorobenzene
Concen: 19.871 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 82964

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	64.0	31.7	95.1



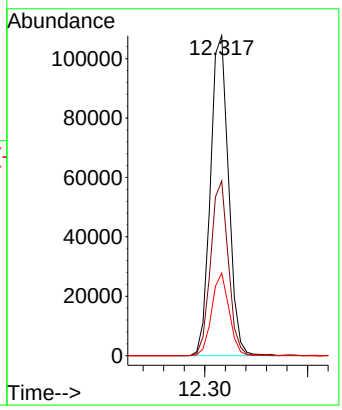


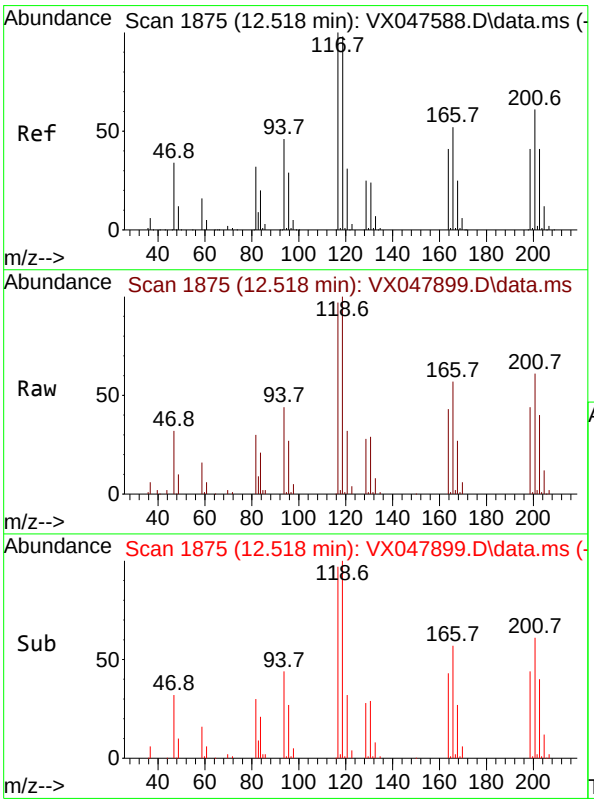
#89
n-Butylbenzene
Concen: 18.965 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 91 Resp: 131974

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.6	82.7
134	24.8	12.6	37.8

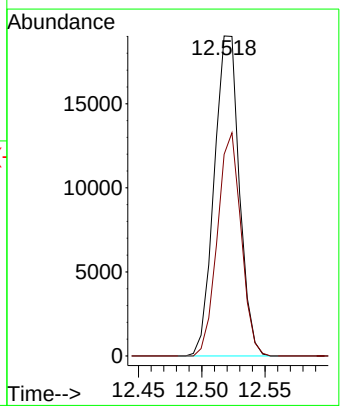


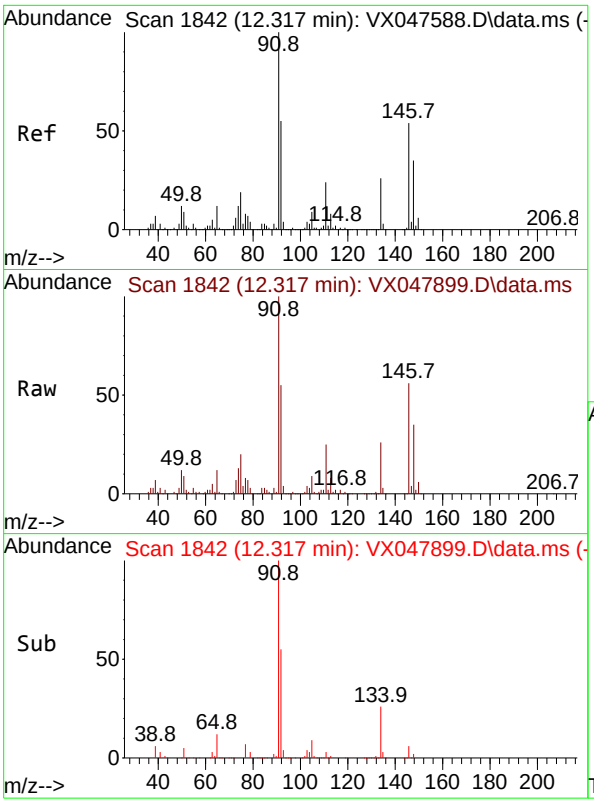


#90
Hexachloroethane
Concen: 19.900 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 26275

Ion	Ratio	Lower	Upper
117	100		
201	65.7	34.2	102.5



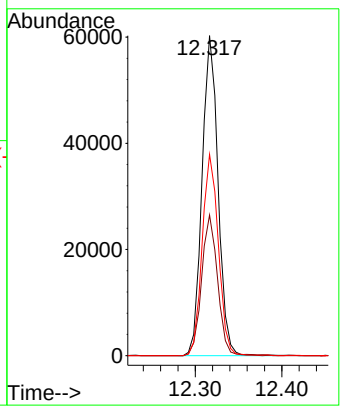


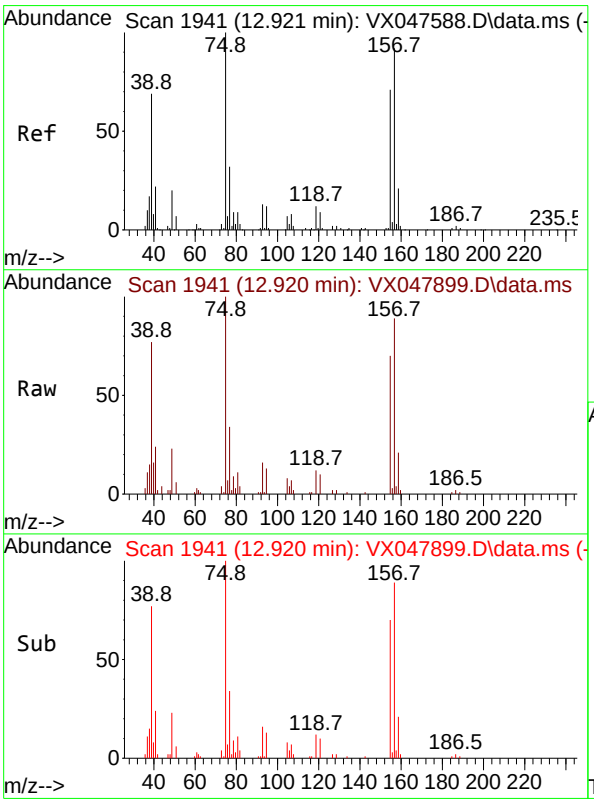
#91
1,2-Dichlorobenzene
Concen: 19.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:146 Resp: 77273

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.6	31.8	95.4

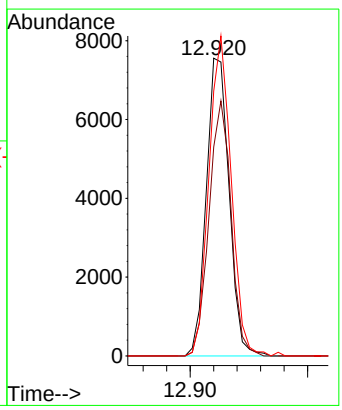


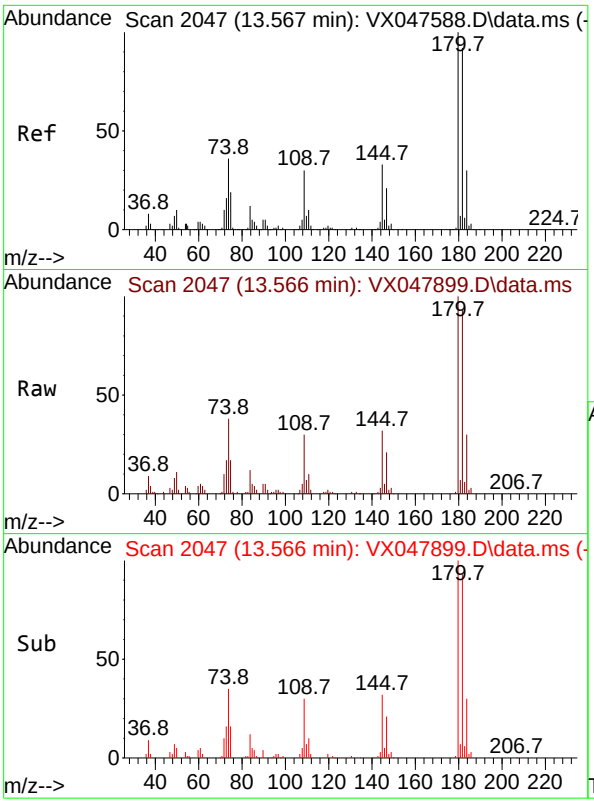


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.688 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 10179

Ion	Ratio	Lower	Upper
75	100		
155	83.0	37.7	113.1
157	105.5	49.8	149.4



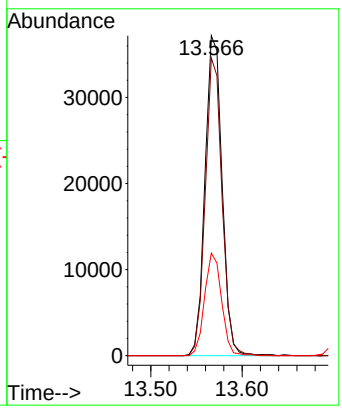


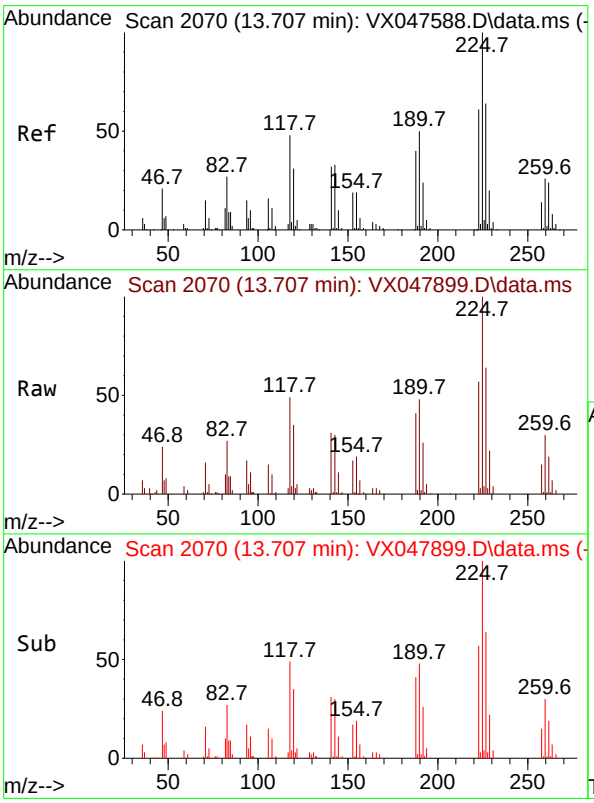
#93
1,2,4-Trichlorobenzene
Concen: 19.097 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:180 Resp: 48099

Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.6	139.8
145	31.9	16.4	49.1

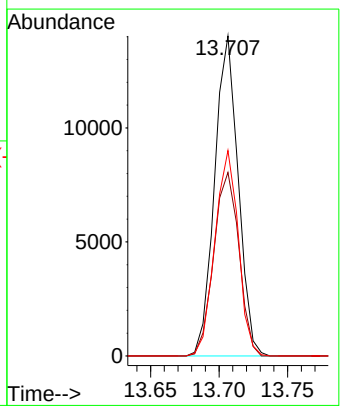


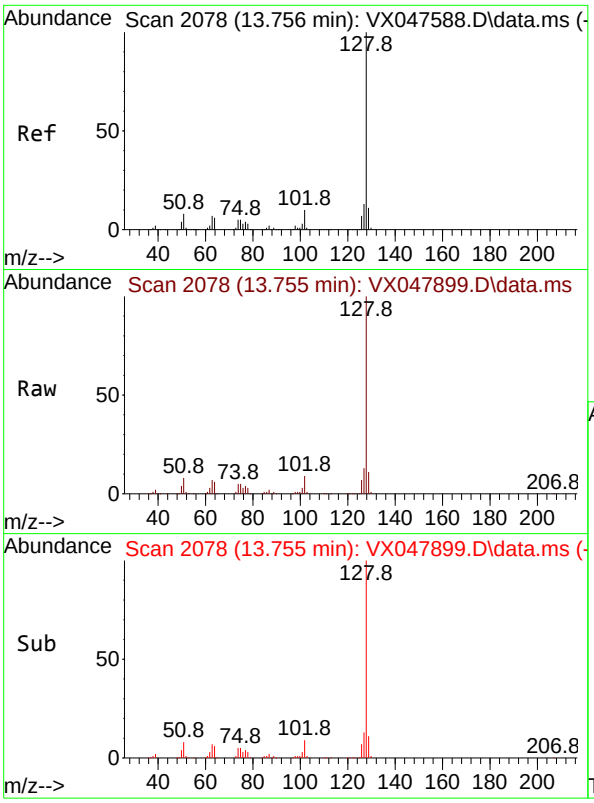


#94
Hexachlorobutadiene
Concen: 19.635 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:225 Resp: 16798

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.7	95.1
227	63.7	32.0	96.0



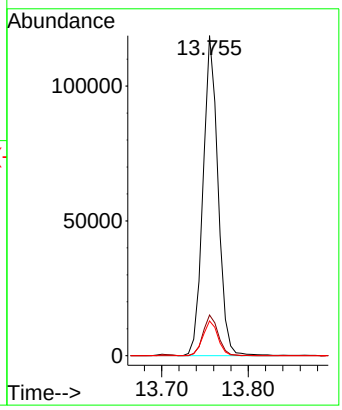


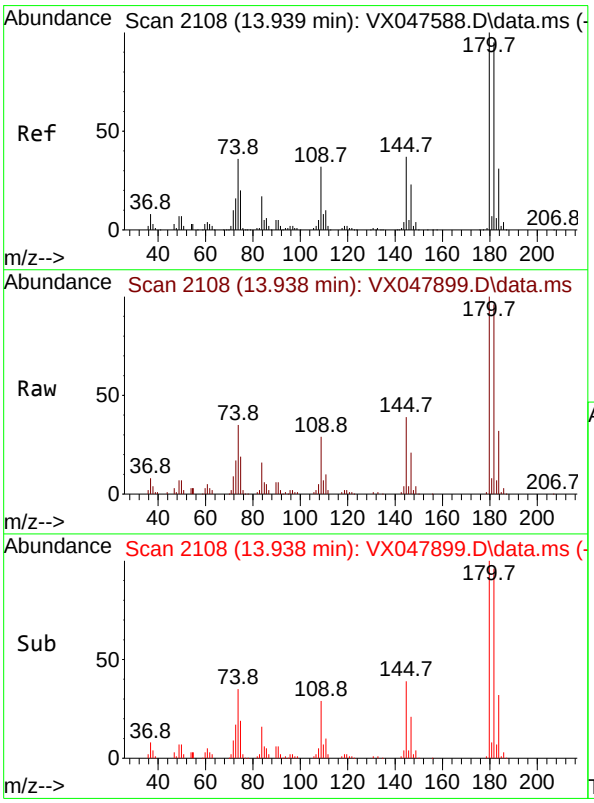
#95
Naphthalene
Concen: 18.552 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:128 Resp: 142292

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2

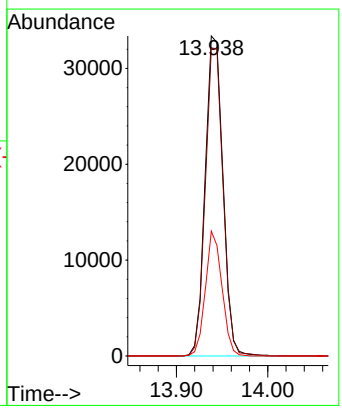




#96
1,2,3-Trichlorobenzene
Concen: 19.210 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:180 Resp: 45008

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	36.2	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047909.D
Acq On : 30 Sep 2025 14:37
Operator : JC/MD
Sample : Q3193-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Quant Time: Oct 01 01:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	127732	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	258483	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	254800	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124454	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.946	65	99916	49.143	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.280%				
35) Dibromofluoromethane	5.373	113	82904	47.824	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.640%				
50) Toluene-d8	8.635	98	281093	46.862	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.720%				
62) 4-Bromofluorobenzene	11.061	95	117094	51.436	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.880%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	514	0.389	ug/l		95
5) Bromomethane	1.630	94	245	0.227	ug/l	#	58
9) 1,1,2-Trichlorotrifluo...	2.331	101	21939	14.850	ug/l		96
10) Methyl Iodide	2.465	142	629	0.273	ug/l	#	84
11) Tert butyl alcohol	2.953	59	2651	11.707	ug/l	#	76
12) 1,1-Dichloroethene	2.325	96	3748	2.470	ug/l		95
16) Acetone	2.380	43	6405	7.245	ug/l		92
17) Carbon Disulfide	2.514	76	1014	0.244	ug/l	#	92
18) Methyl Acetate	2.703	43	492	0.250	ug/l	#	65
24) 1,1-Dichloroethane	3.605	63	1732	0.537	ug/l	#	81
25) 2-Butanone	4.568	43	6448	5.847	ug/l		98
26) 2,2-Dichloropropane	4.538	77	927	0.346	ug/l	#	54
27) cis-1,2-Dichloroethene	4.489	96	3713	1.856	ug/l		99
29) Tetrahydrofuran	5.001	42	10302	15.530	ug/l		91
30) Chloroform	5.074	83	1095	0.336	ug/l		95
31) Cyclohexane	5.532	56	2889	1.075	ug/l	#	1
36) 1,1-Dichloropropene	5.538	75	10973	4.332	ug/l	#	52
38) Carbon Tetrachloride	5.672	117	3150	1.145	ug/l	#	76
39) Methylcyclohexane	7.111	83	13166	4.579	ug/l	#	1
41) Methacrylonitrile	5.001	41	5635	4.024	ug/l	#	48
44) Trichloroethene	7.111	130	1150159	618.351	ug/l		96
49) 1,4-Dioxane	7.665	88	540	24.116	ug/l	#	66
52) Toluene	8.702	92	1241	0.262	ug/l		88
55) 1,1,2-Trichloroethane	9.141	97	836	0.457	ug/l	#	54
60) Dibromochloromethane	9.263	129	7479	3.551	ug/l	#	11
64) Tetrachloroethene	9.257	164	7665	4.615	ug/l		93
76) 1,2,3-Trichloropropane	11.061	75	60435	23.984	ug/l	#	40
81) trans-1,4-Dichloro-2-b...	11.061	75	60435	61.163	ug/l	#	8
89) n-Butylbenzene	12.317	91	2260	0.305	ug/l		92
93) 1,2,4-Trichlorobenzene	13.567	180	1116	0.416	ug/l		97
94) Hexachlorobutadiene	13.707	225	1046	1.149	ug/l		94
95) Naphthalene	13.762	128	2723	0.334	ug/l	#	92
96) 1,2,3-Trichlorobenzene	13.945	180	1129	0.453	ug/l		91

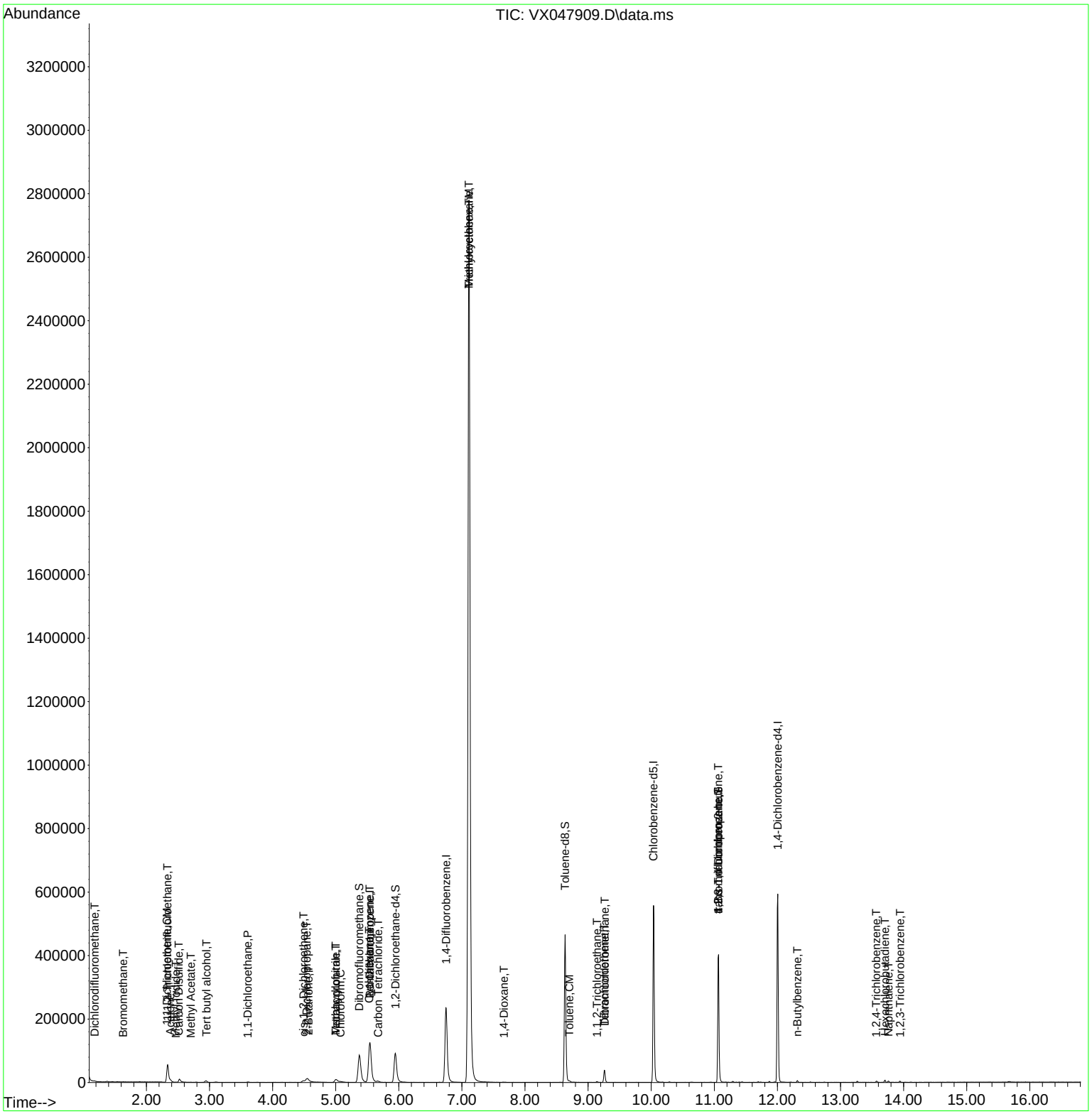
(#) = qualifier out of range (m) = manual integration (+) = signals summed

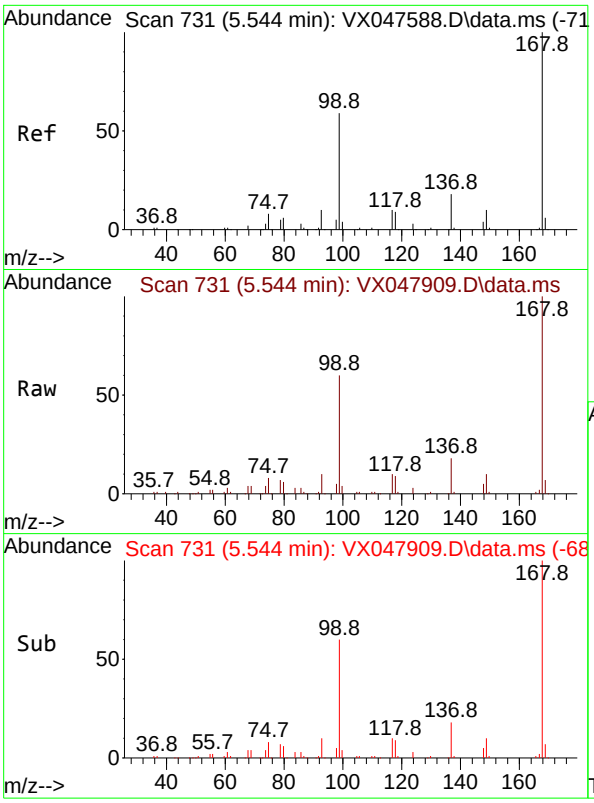
Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047909.D
Acq On : 30 Sep 2025 14:37
Operator : JC/MD
Sample : Q3193-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Quant Time: Oct 01 01:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



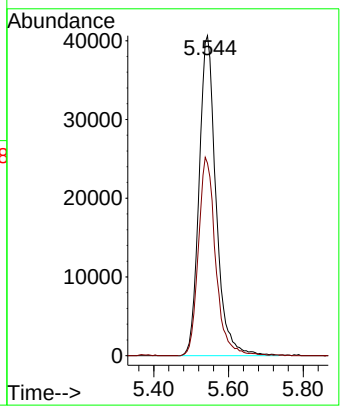


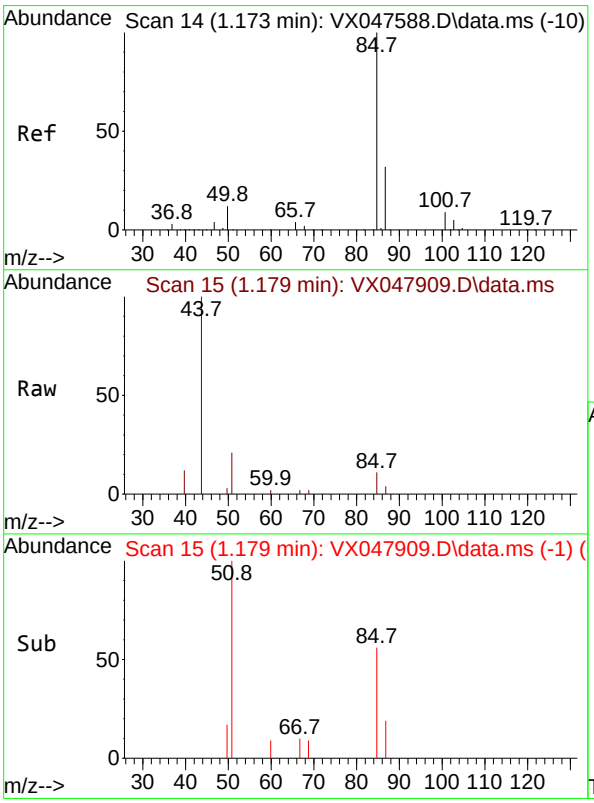
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:168 Resp: 127732

Ion	Ratio	Lower	Upper
168	100		
99	60.1	48.8	73.2

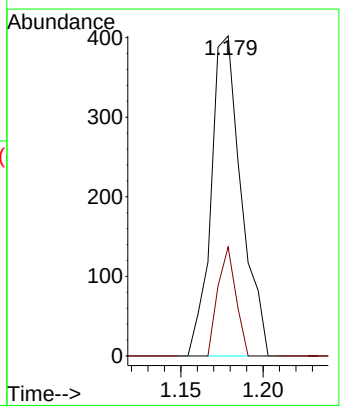


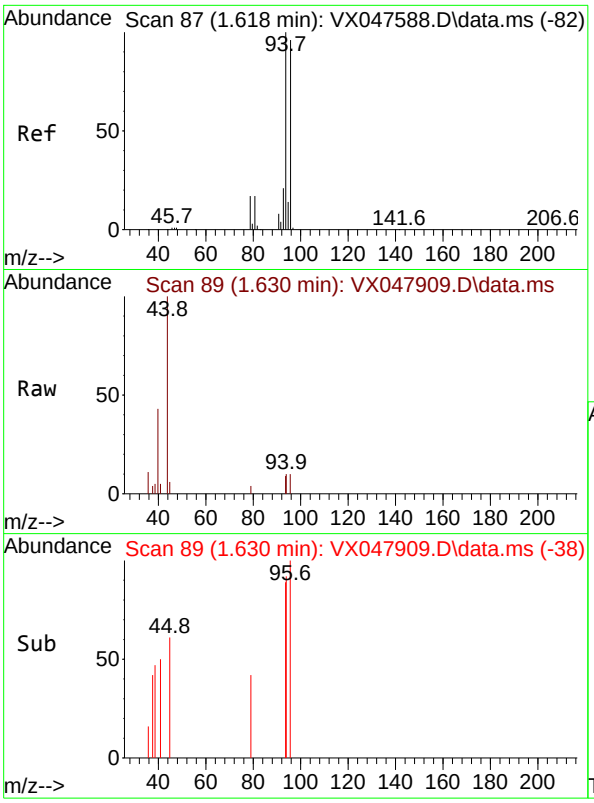


#2
Dichlorodifluoromethane
Concen: 0.389 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 85 Resp: 514

Ion	Ratio	Lower	Upper
85	100		
87	34.1	15.8	47.3



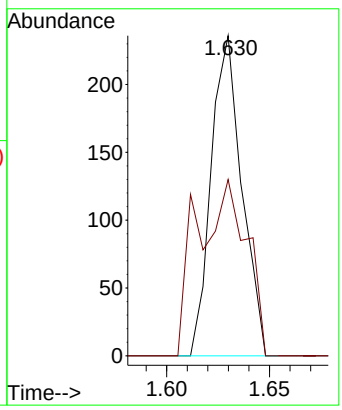


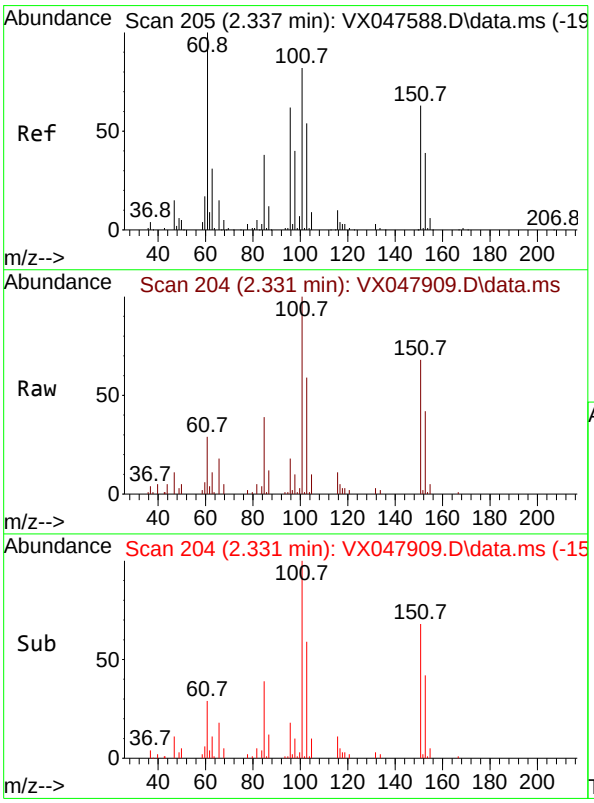
#5
Bromomethane
Concen: 0.227 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 94 Resp: 245

Ion	Ratio	Lower	Upper
94	100		
96	55.1	76.6	115.0#

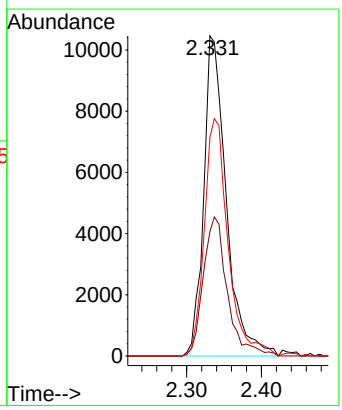


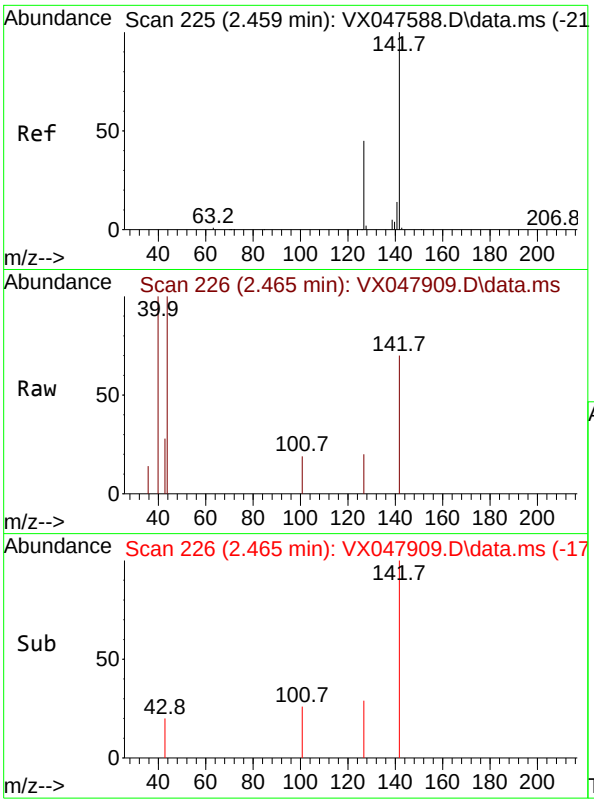


#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.850 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:101 Resp: 21939

Ion	Ratio	Lower	Upper
101	100		
85	46.1	35.5	53.3
151	78.2	59.4	89.0



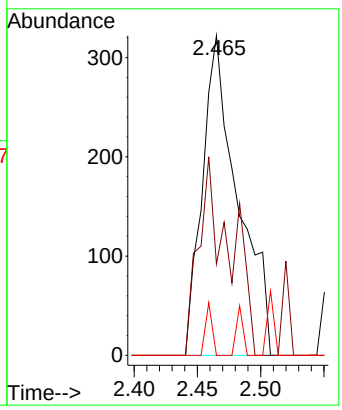


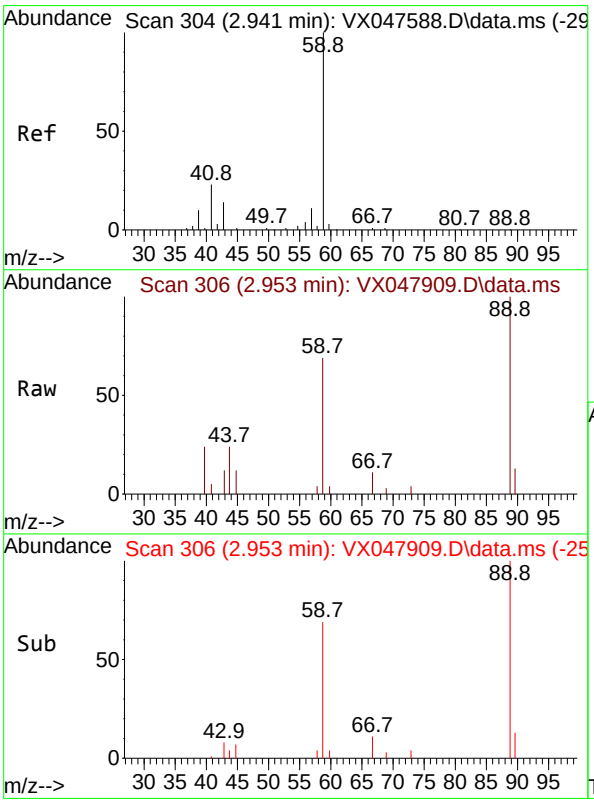
#10
Methyl Iodide
Concen: 0.273 ug/l
RT: 2.465 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:142 Resp: 629

Ion	Ratio	Lower	Upper
142	100		
127	55.0	37.2	55.8
141	3.0	11.4	17.0#

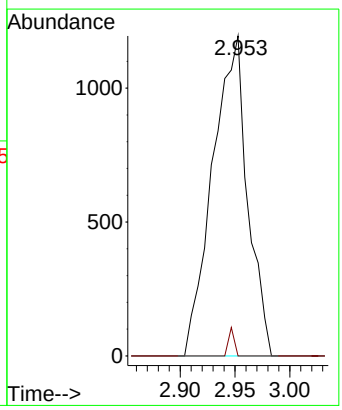


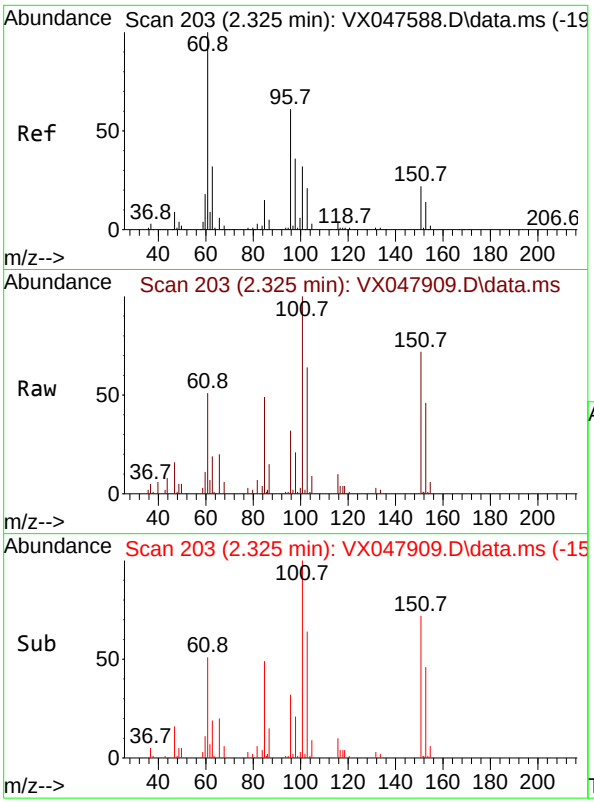


#11
Tert butyl alcohol
Concen: 11.707 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 59 Resp: 2651

Ion	Ratio	Lower	Upper
59	100		
57	1.5	8.3	12.5#



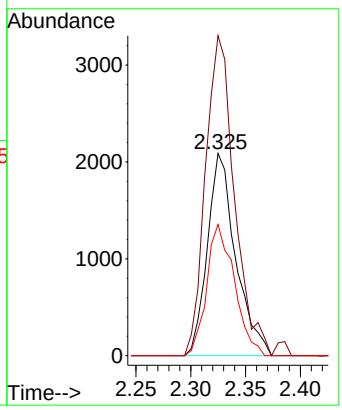


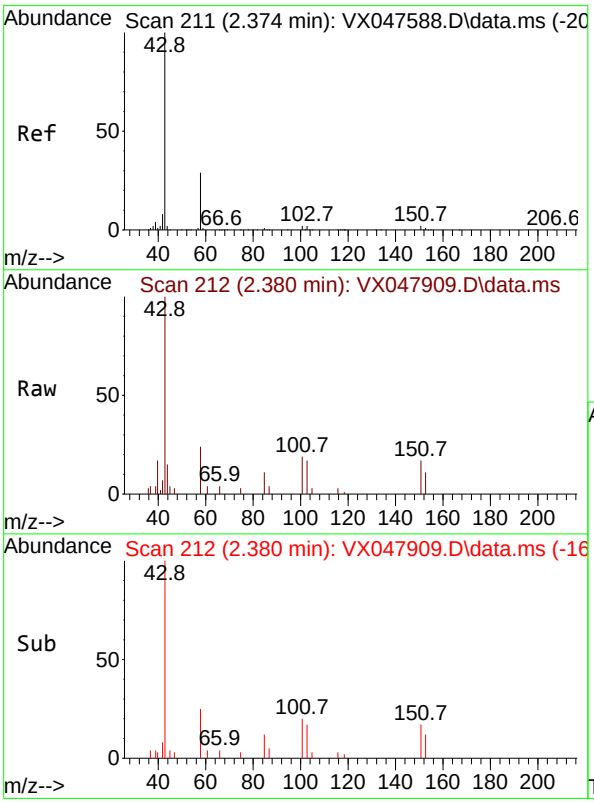
#12
1,1-Dichloroethene
Concen: 2.470 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 96 Resp: 3748

Ion	Ratio	Lower	Upper
96	100		
61	158.2	131.0	196.6
98	64.9	47.7	71.5

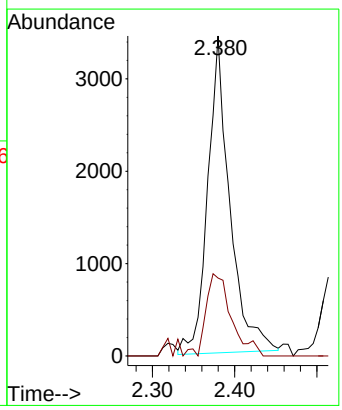


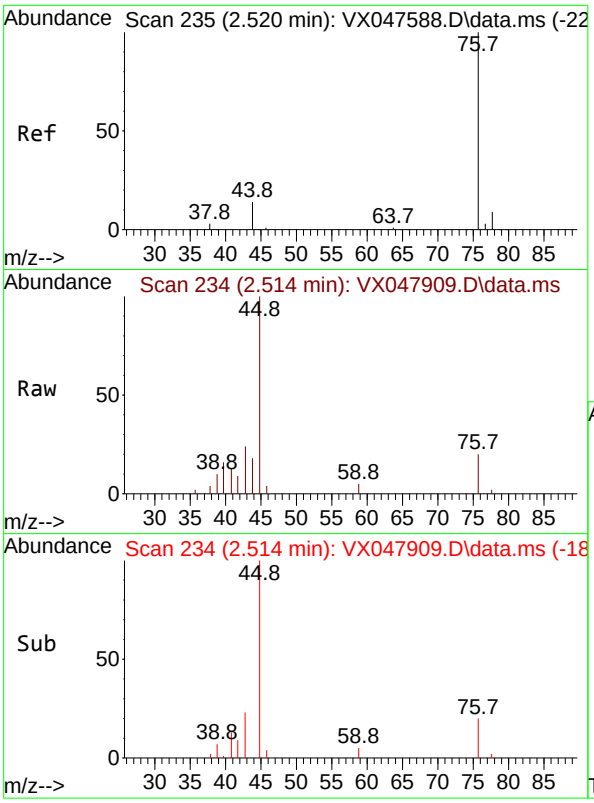


#16
Acetone
Concen: 7.245 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 43 Resp: 6405

Ion	Ratio	Lower	Upper
43	100		
58	24.8	23.4	35.0



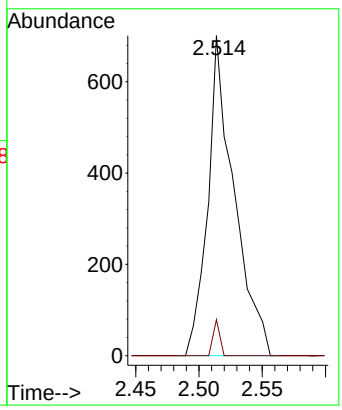


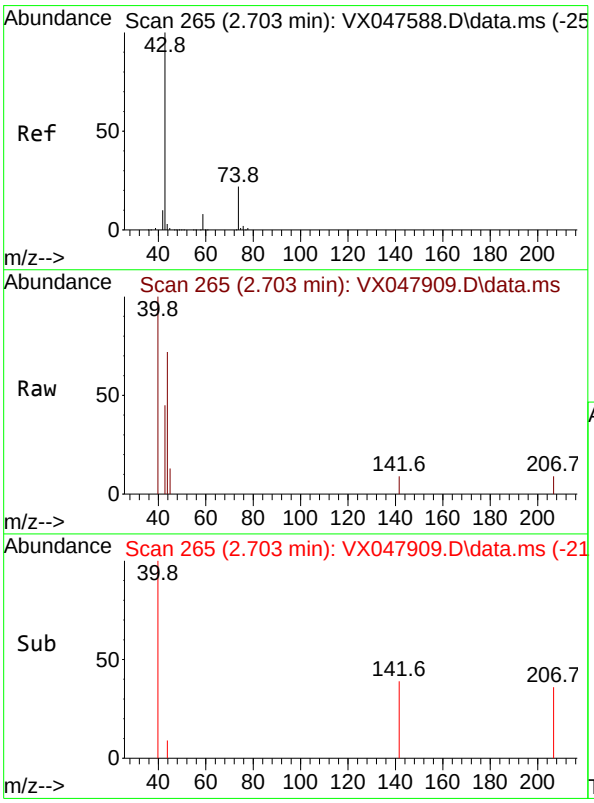
#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 76 Resp: 1014

Ion	Ratio	Lower	Upper
76	100		
78	11.3	6.8	10.2#

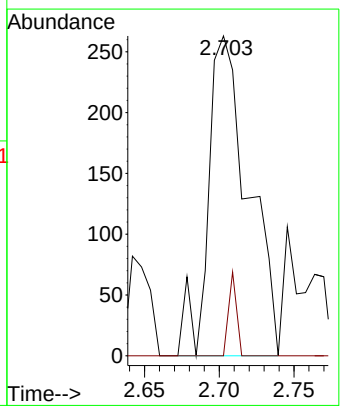


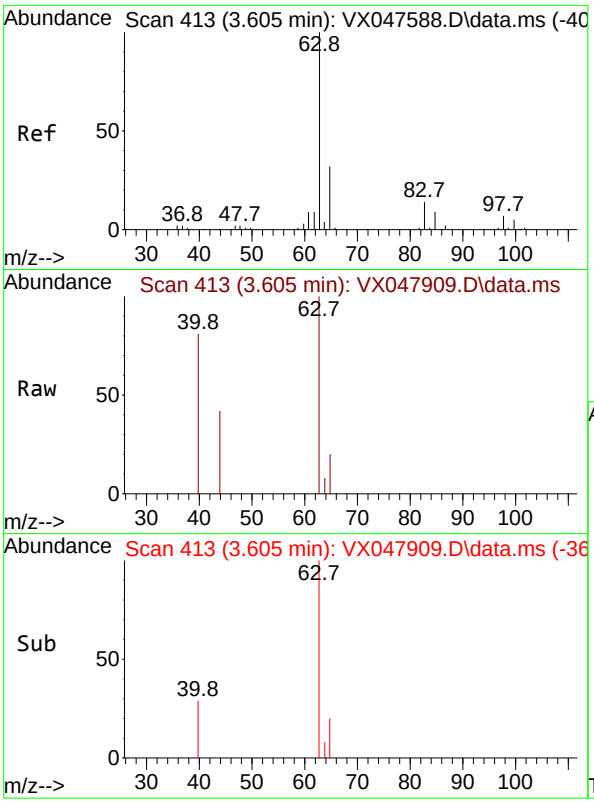


#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 43 Resp: 492

Ion	Ratio	Lower	Upper
43	100		
74	5.1	17.4	26.2#



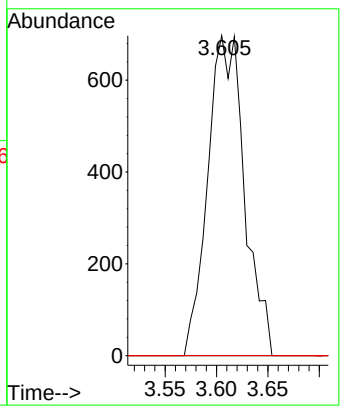


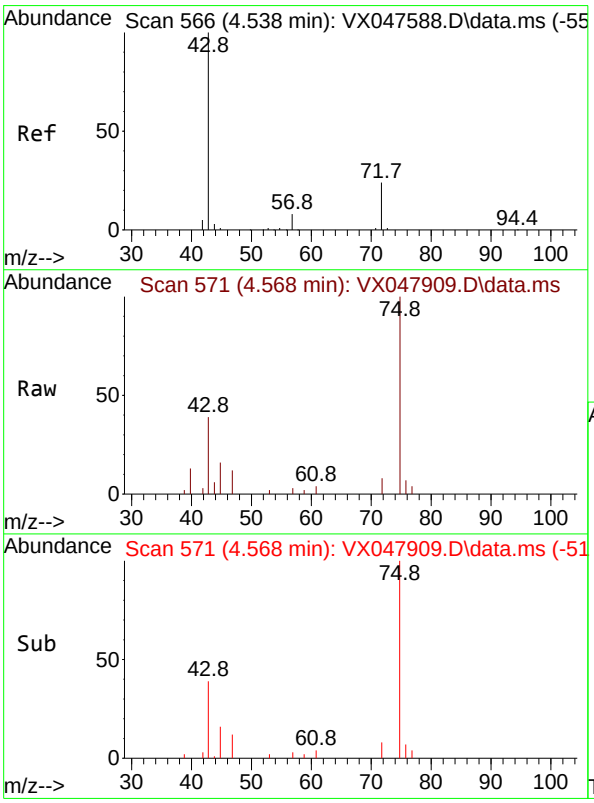
#24
1,1-Dichloroethane
Concen: 0.537 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 63 Resp: 1732

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#

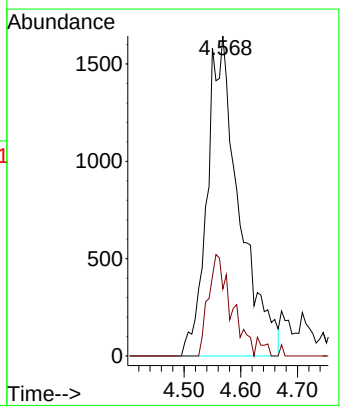


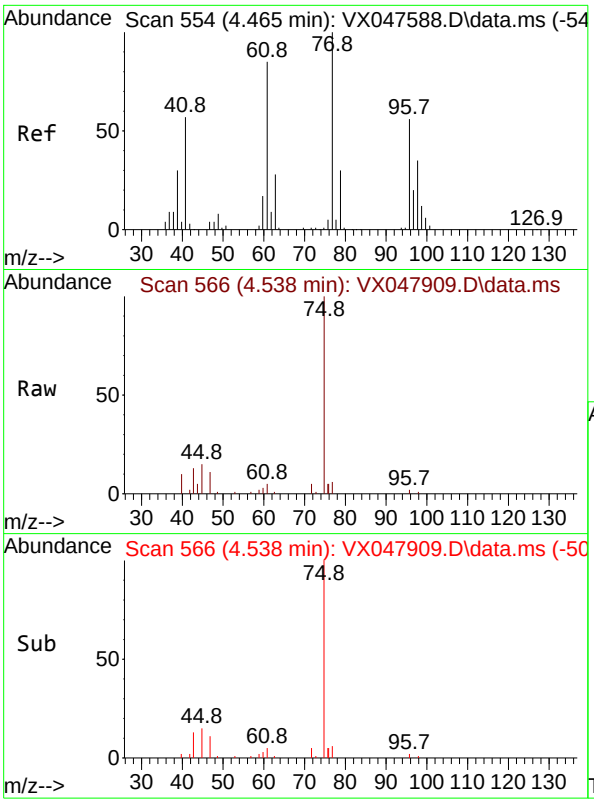


#25
2-Butanone
Concen: 5.847 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 43 Resp: 6448

Ion	Ratio	Lower	Upper
43	100		
72	25.9	20.1	30.1



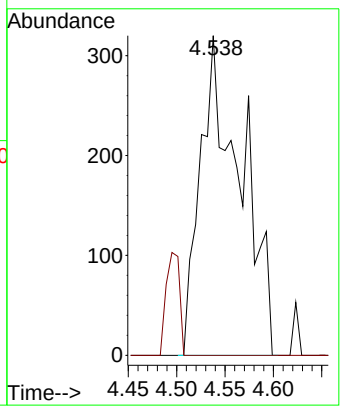


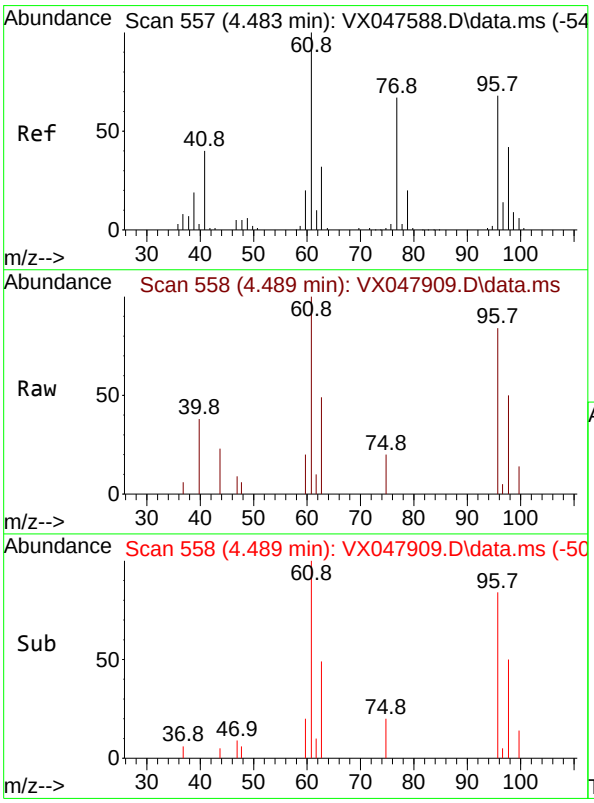
#26
2,2-Dichloropropane
Concen: 0.346 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.073 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 77 Resp: 927

Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.9	32.7#

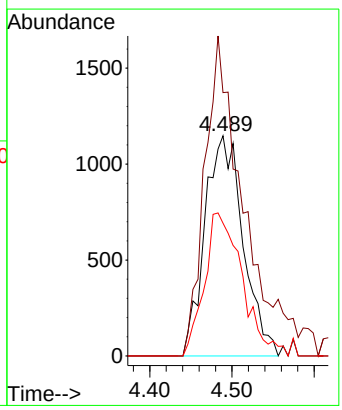


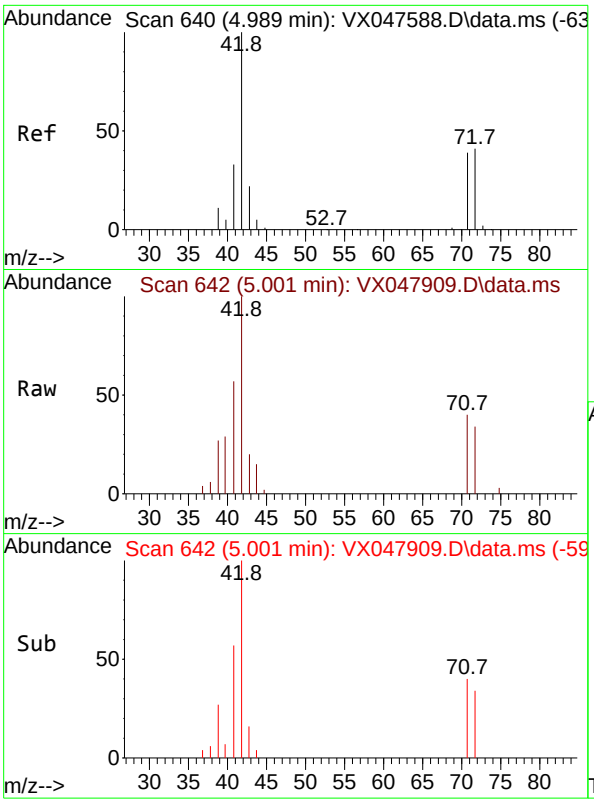


#27
cis-1,2-Dichloroethene
Concen: 1.856 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 96 Resp: 3713

Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	303.2
98	64.2	0.0	127.8



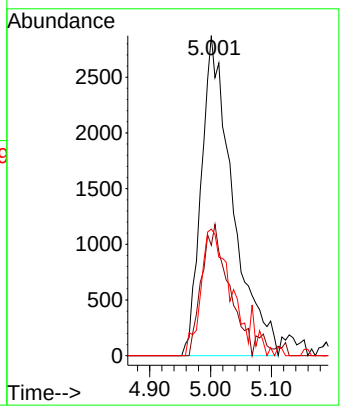


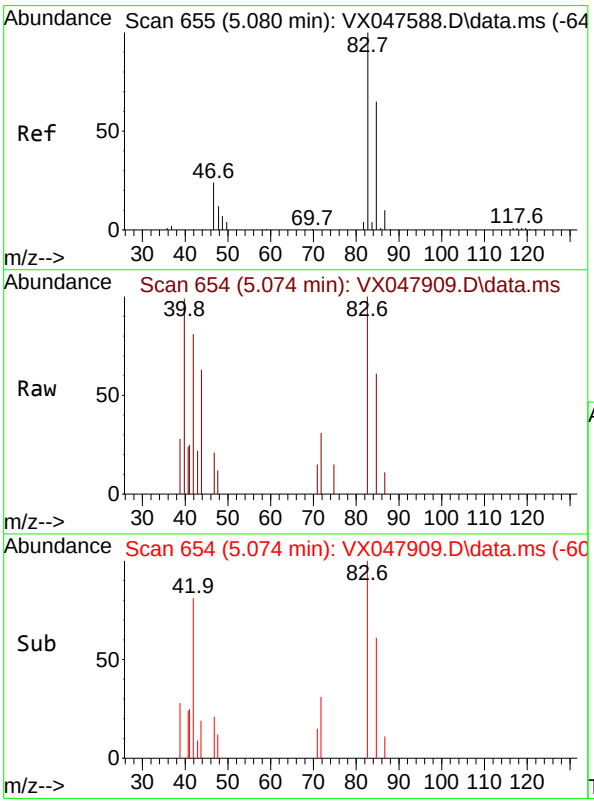
#29
Tetrahydrofuran
Concen: 15.530 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 42 Resp: 10302

Ion	Ratio	Lower	Upper
42	100		
72	35.2	34.2	51.2
71	36.3	31.9	47.9

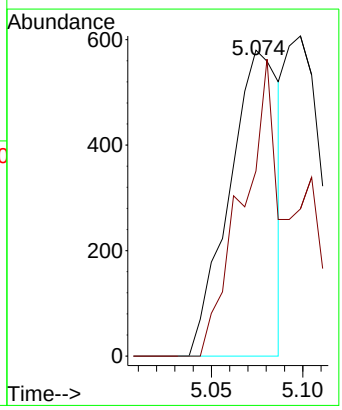


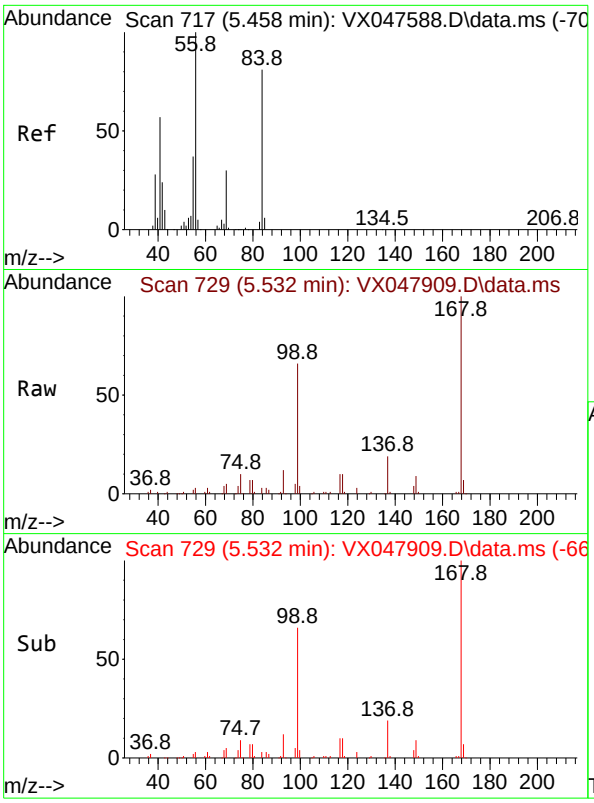


#30
Chloroform
Concen: 0.336 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 83 Resp: 1095

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.8	77.6



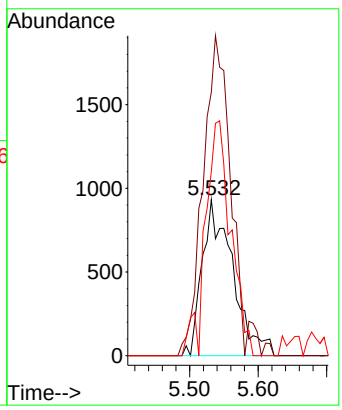


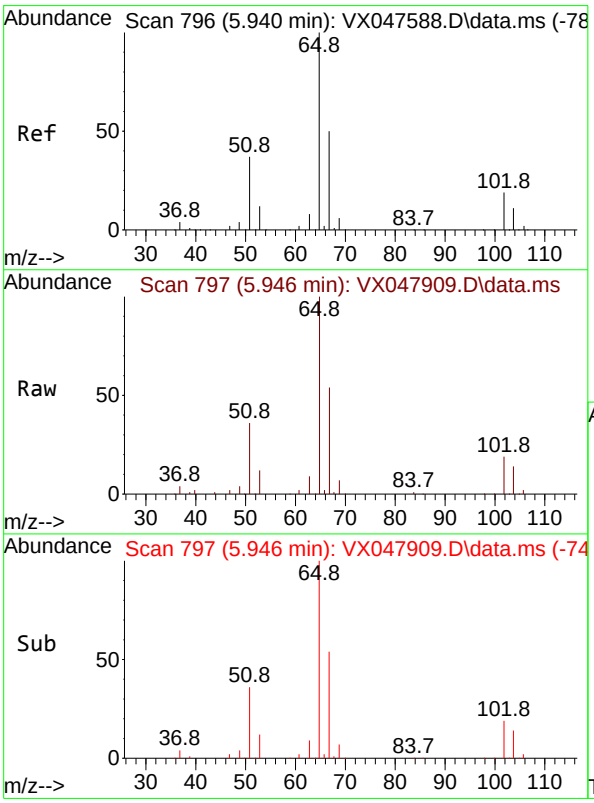
#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.532 min Scan# 7
Delta R.T. 0.073 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 56 Resp: 2889

Ion	Ratio	Lower	Upper
56	100		
69	169.0	23.8	35.8#
84	118.0	64.6	97.0#

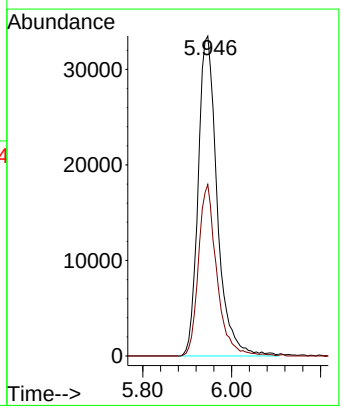


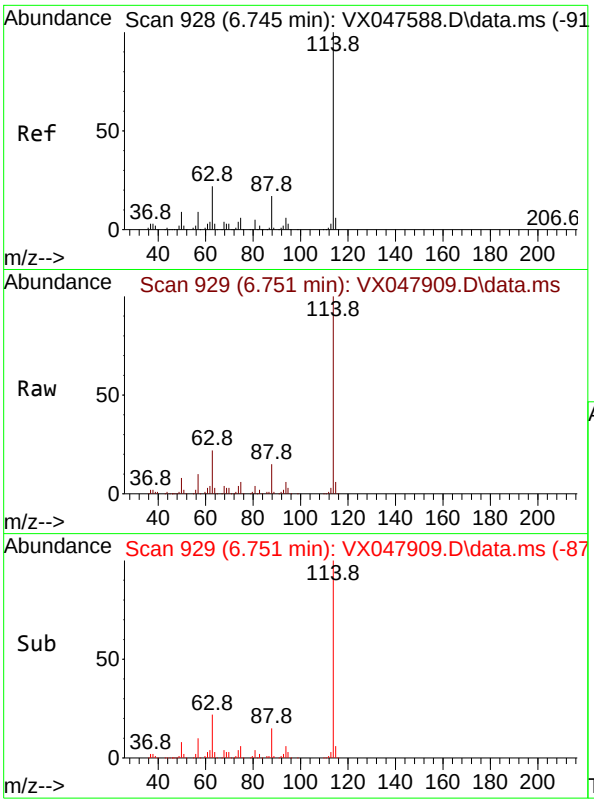


#33
1,2-Dichloroethane-d4
Concen: 49.143 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 65 Resp: 99916

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



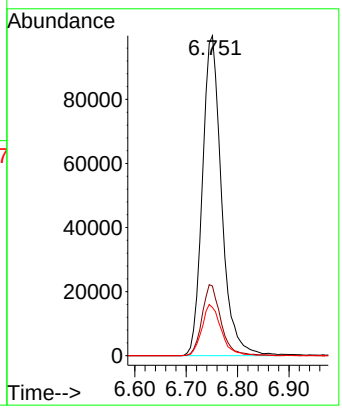


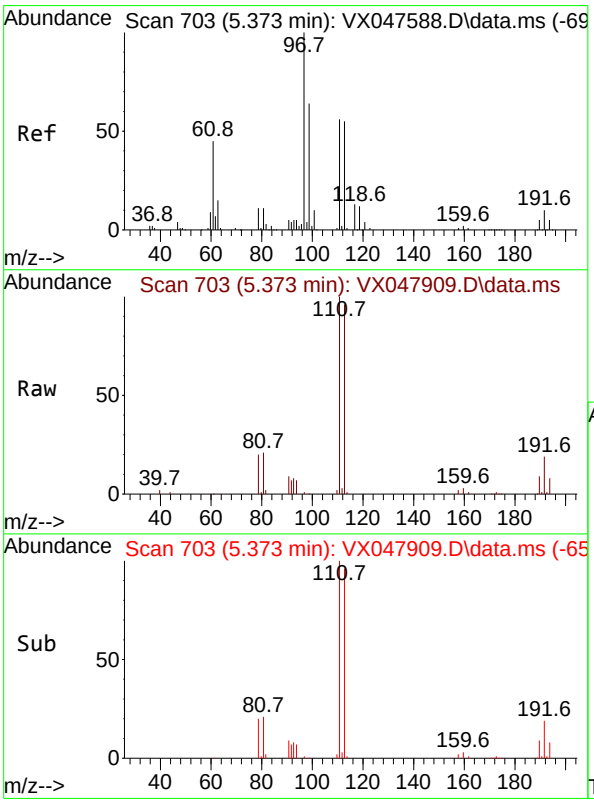
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:114 Resp: 258483

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.0
88	15.0	0.0	34.2

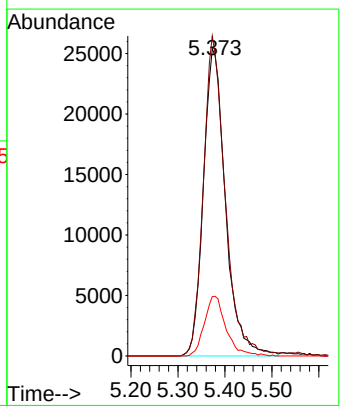


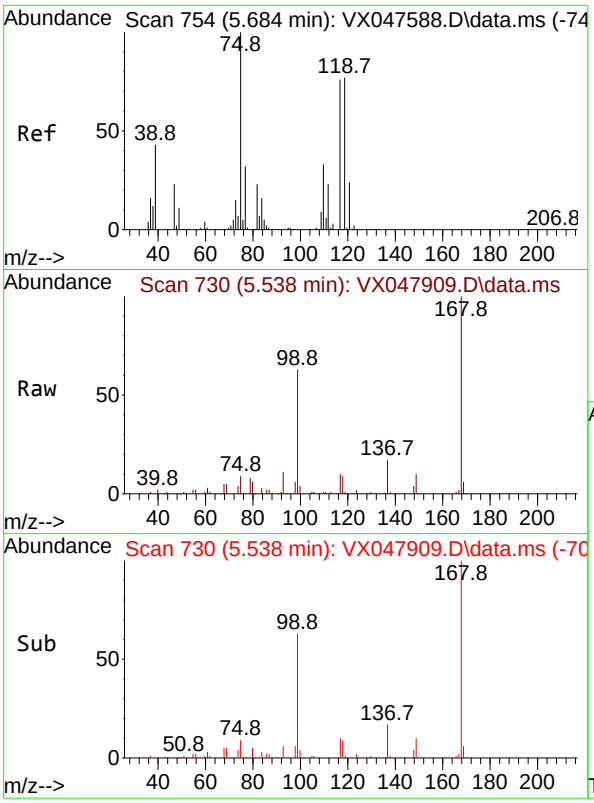


#35
Dibromofluoromethane
Concen: 47.824 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:113 Resp: 82904

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	19.0	14.2	21.4



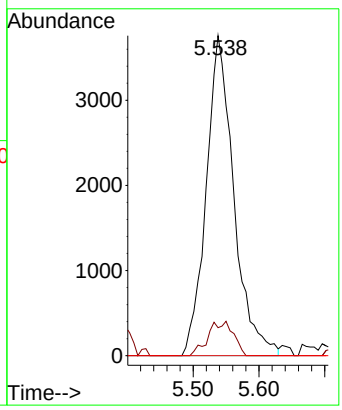


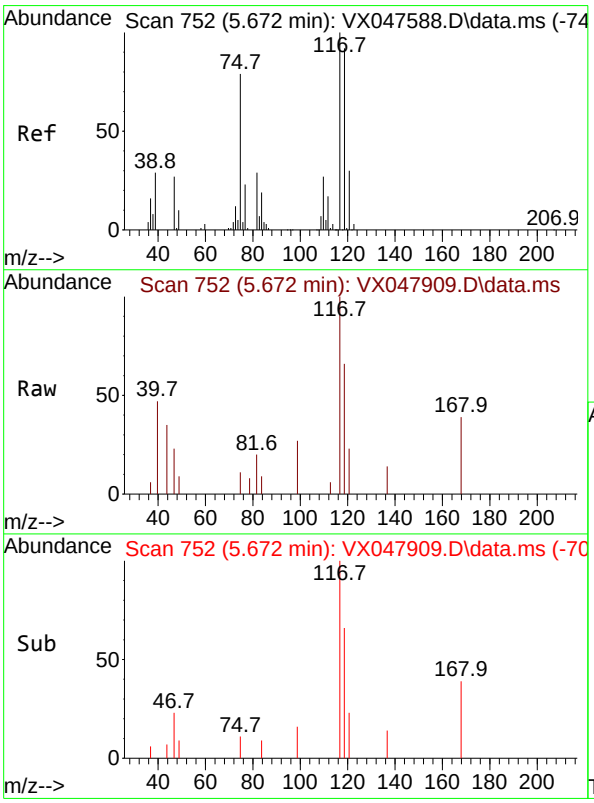
#36
1,1-Dichloropropene
Concen: 4.332 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.146 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 75 Resp: 10973

Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.7	50.1#
77	0.0	24.3	36.5#

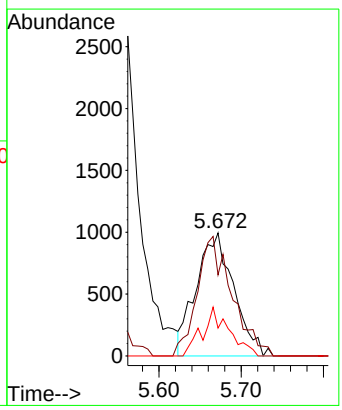


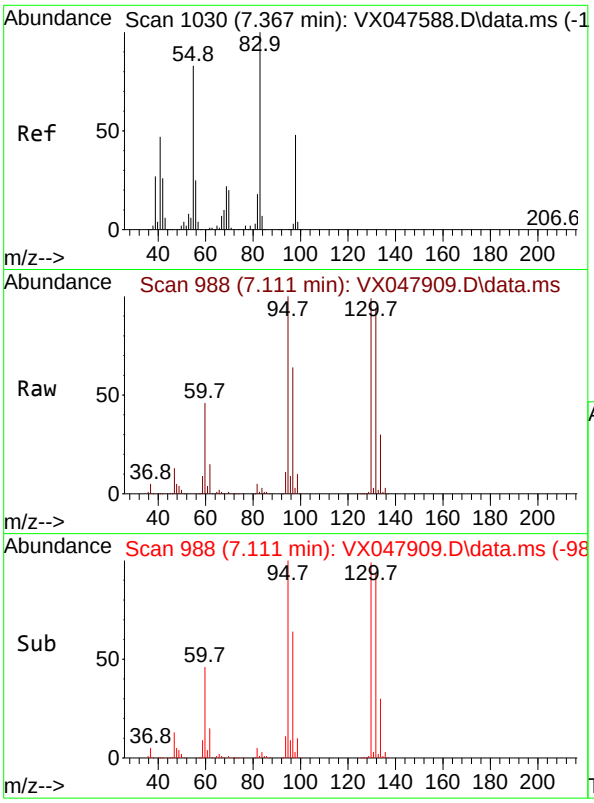


#38
Carbon Tetrachloride
Concen: 1.145 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:117 Resp: 3150

Ion	Ratio	Lower	Upper
117	100		
119	65.9	73.4	110.2#
121	22.6	23.8	35.6#



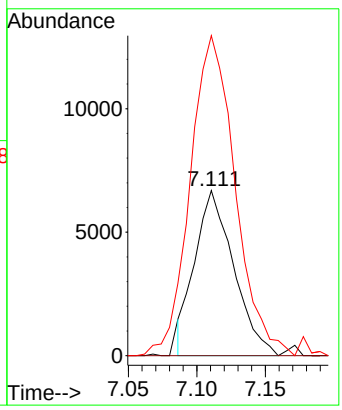


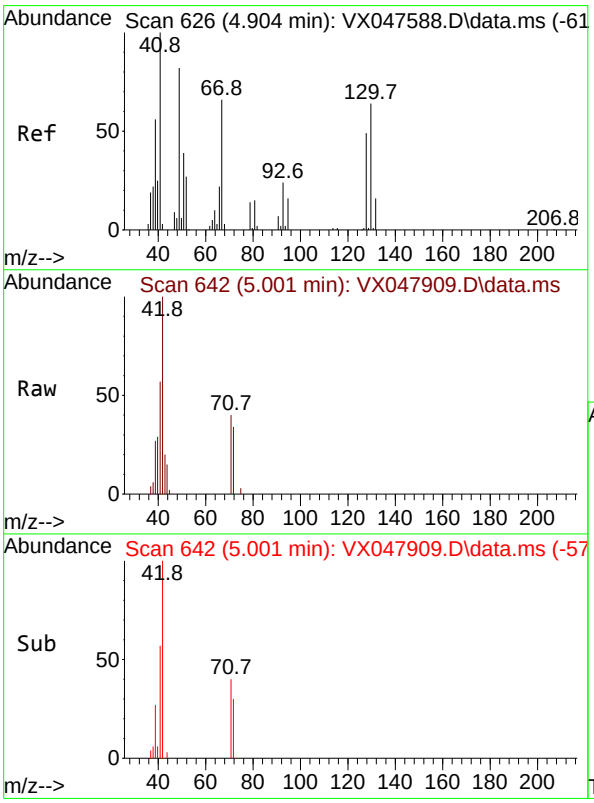
#39
Methylcyclohexane
Concen: 4.579 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.256 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 83 Resp: 13166

Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.4	99.6#
98	284.2	38.1	57.1#

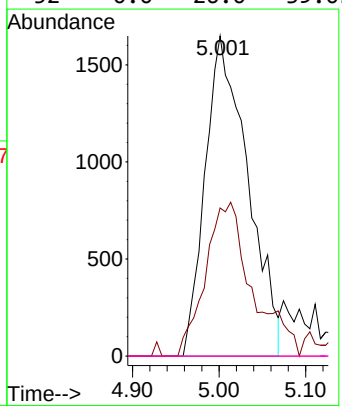


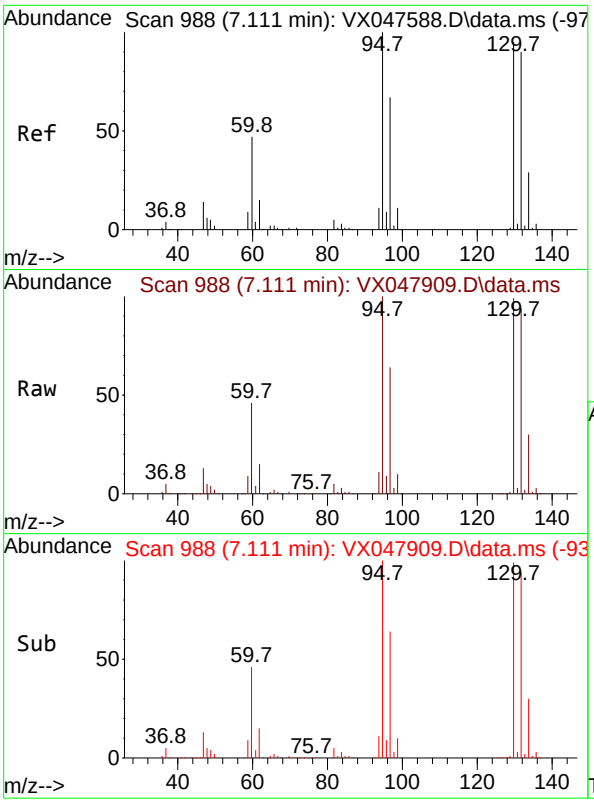


#41
Methacrylonitrile
Concen: 4.024 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.098 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 41 Resp: 5635

Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.3	64.9
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



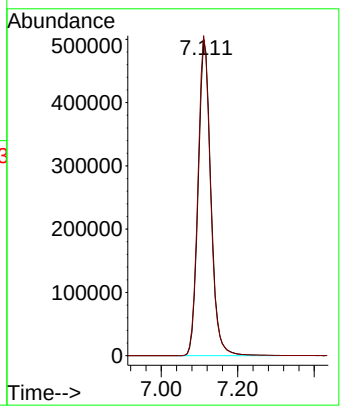


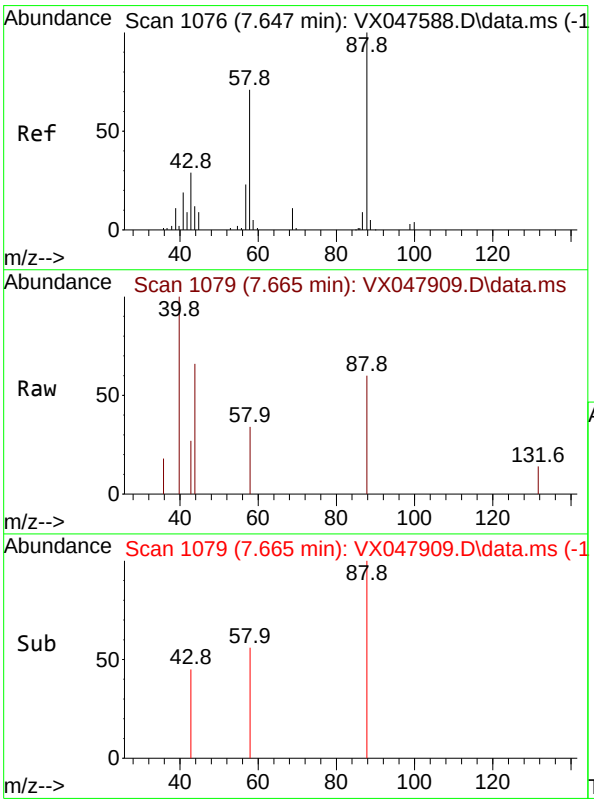
#44
Trichloroethene
Concen: 618.351 ug/l
RT: 7.111 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:130 Resp: 1150159

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	210.8

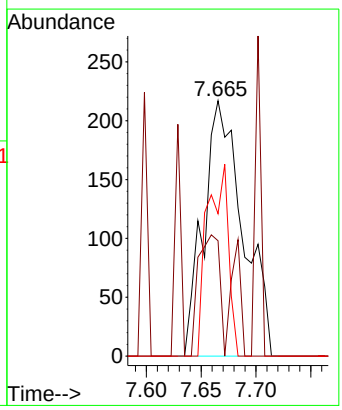


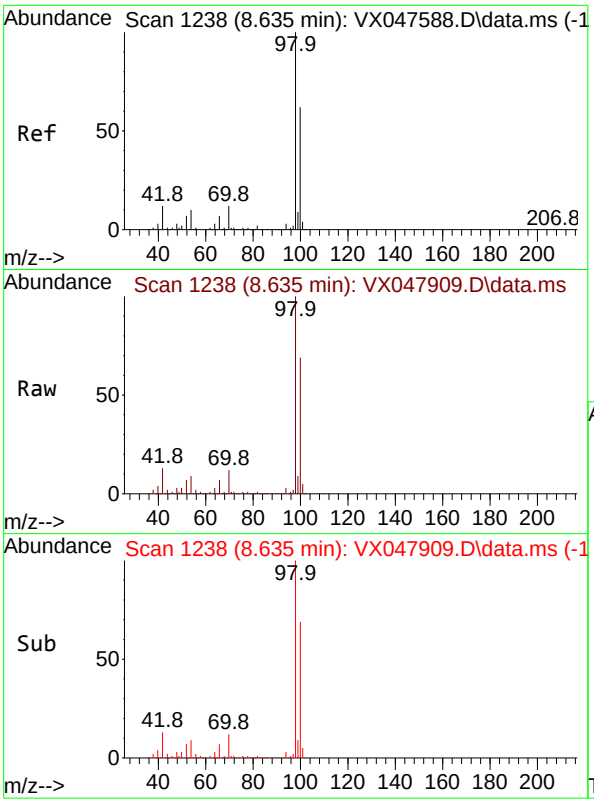


#49
1,4-Dioxane
Concen: 24.116 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.018 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 88 Resp: 540

Ion	Ratio	Lower	Upper
88	100		
43	25.6	30.2	45.2#
58	40.2	59.5	89.3#



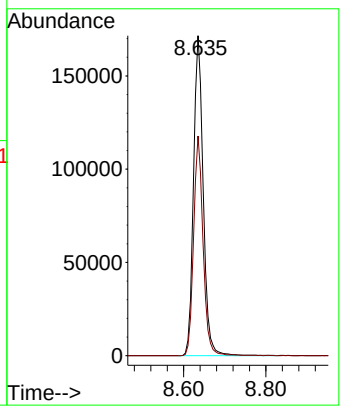


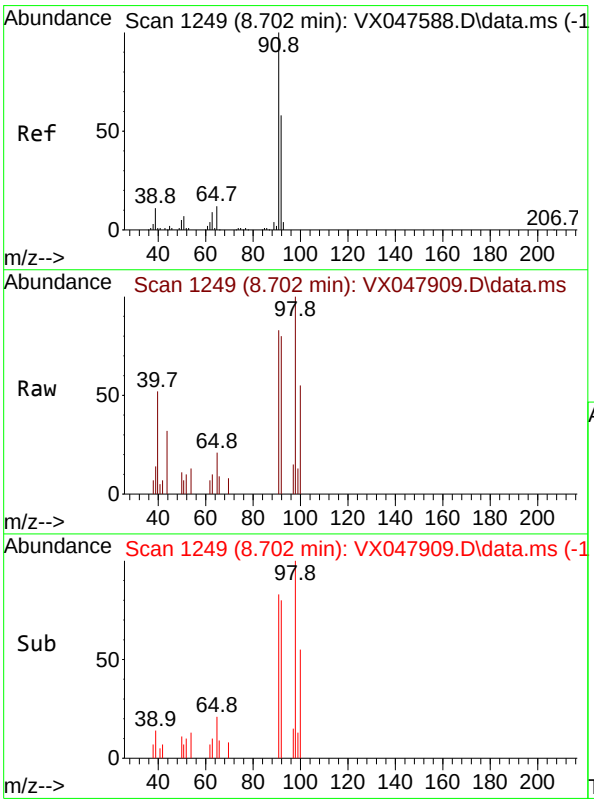
#50
Toluene-d8
Concen: 46.862 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 98 Resp: 281093

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

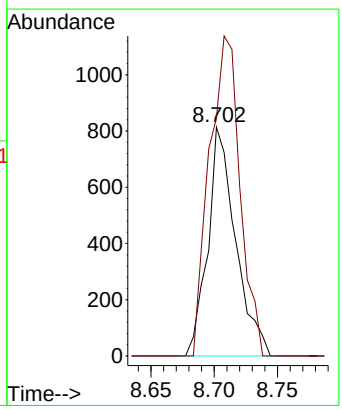


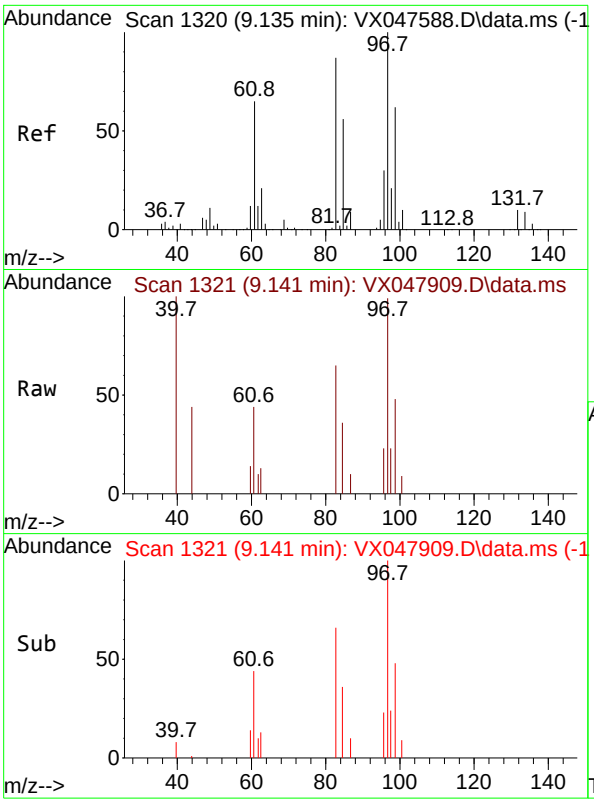


#52
Toluene
Concen: 0.262 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 92 Resp: 1241

Ion	Ratio	Lower	Upper
92	100		
91	154.8	137.1	205.7



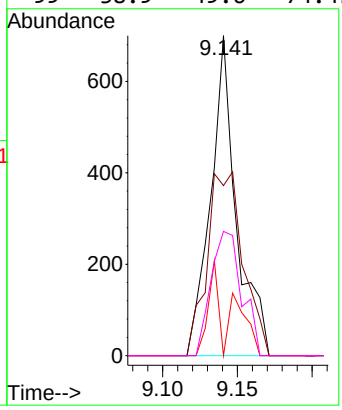


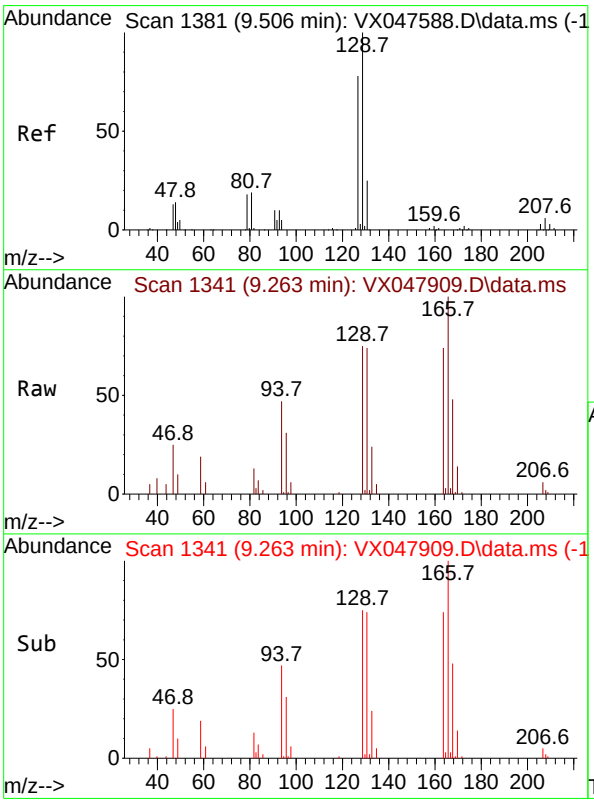
#55
1,1,2-Trichloroethane
Concen: 0.457 ug/l
RT: 9.141 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 97 Resp: 836

Ion	Ratio	Lower	Upper
97	100		
83	53.1	69.6	104.4#
85	0.0	45.0	67.6#
99	38.9	49.6	74.4#

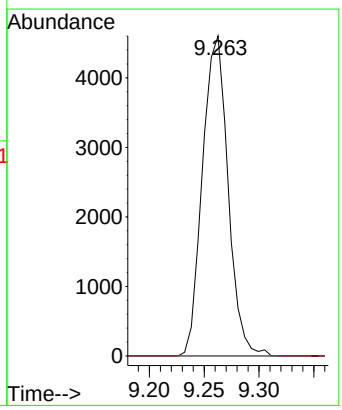


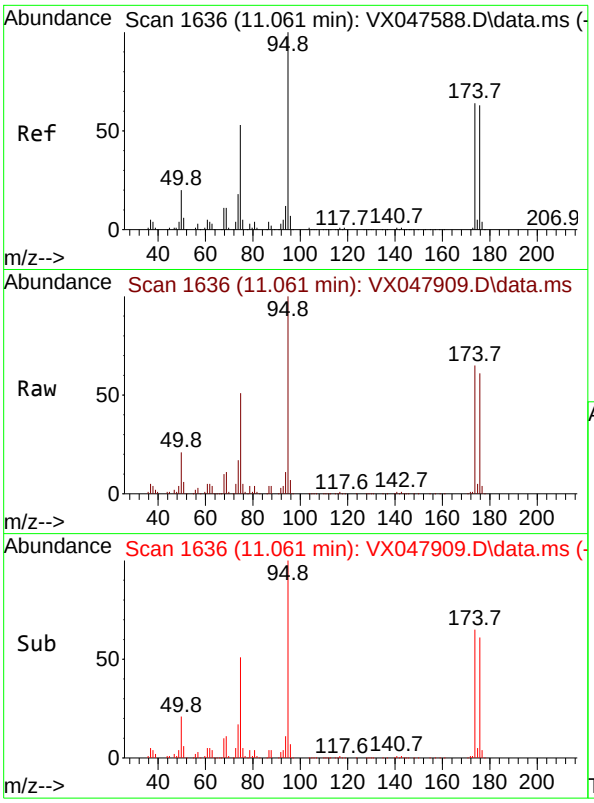


#60
Dibromochloromethane
Concen: 3.551 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:129 Resp: 7479

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#



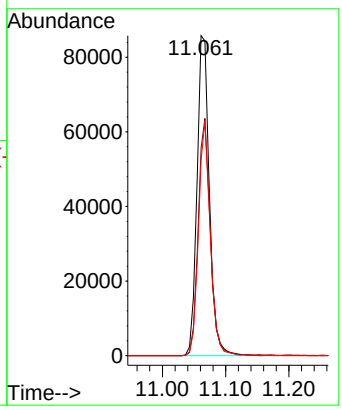


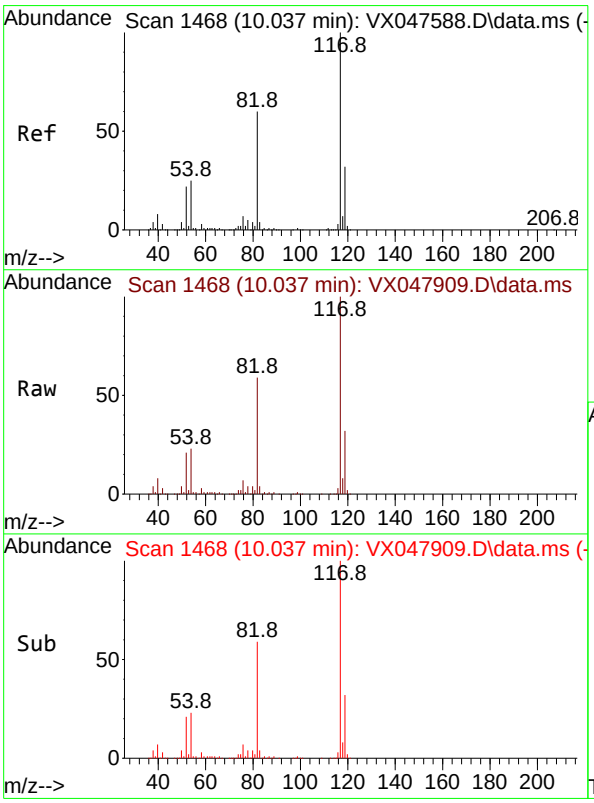
#62
4-Bromofluorobenzene
Concen: 51.436 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 95 Resp: 117094

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	69.4	0.0	138.4

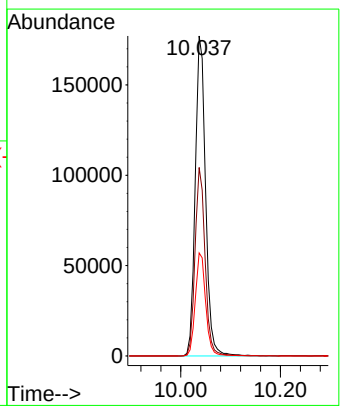


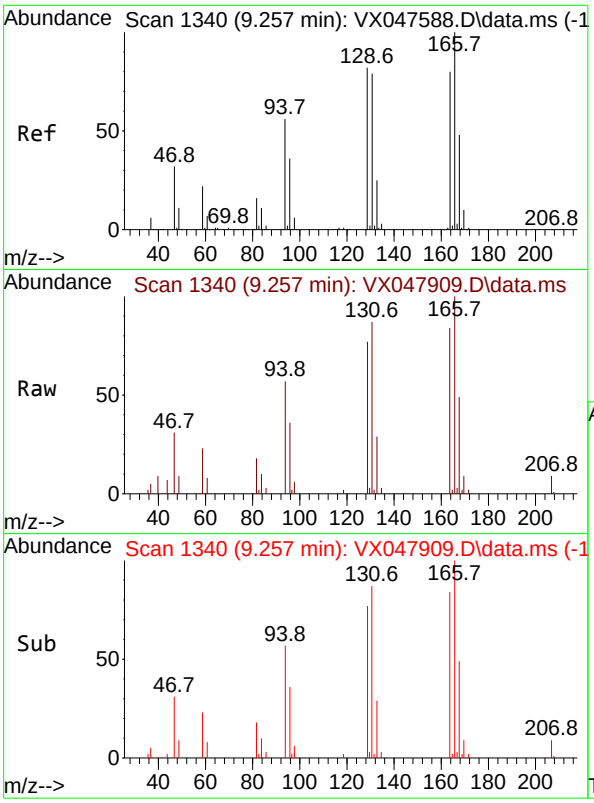


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:117 Resp: 254800

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.8	71.6
119	32.2	25.2	37.8



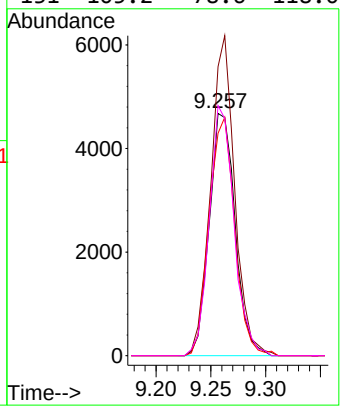


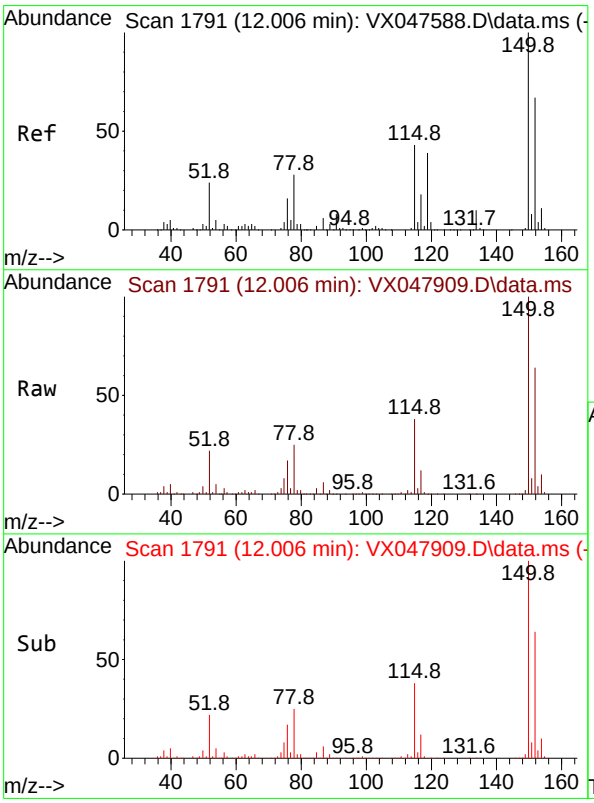
#64
Tetrachloroethene
Concen: 4.615 ug/l
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:164 Resp: 7665

Ion	Ratio	Lower	Upper
164	100		
166	119.2	100.2	150.2
129	91.8	81.8	122.6
131	105.2	78.6	118.0

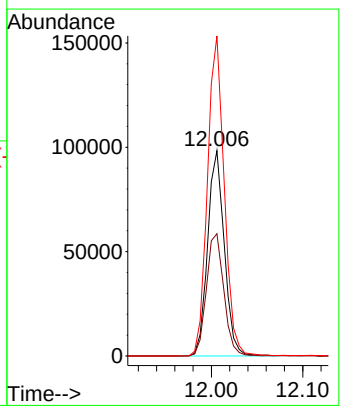


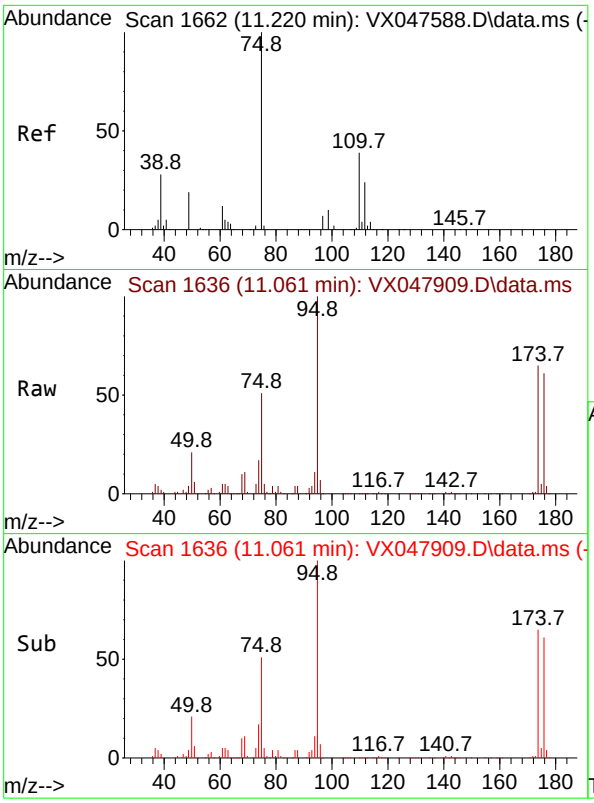


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:152 Resp: 124454

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	156.7	0.0	352.0



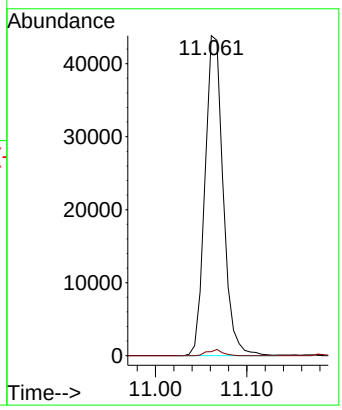


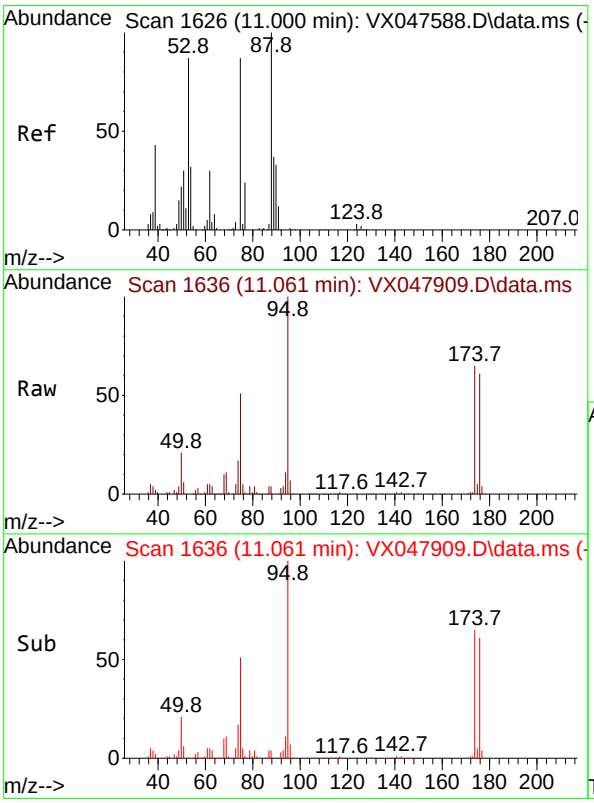
#76
1,2,3-Trichloropropane
Concen: 23.984 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.159 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 75 Resp: 60435

Ion	Ratio	Lower	Upper
75	100		
77	1.6	18.8	56.4#

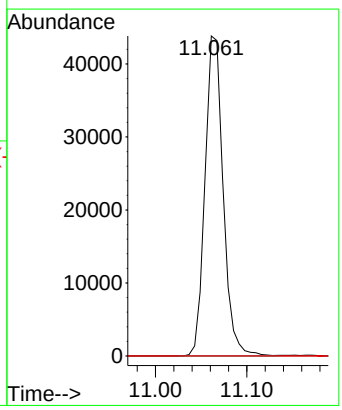


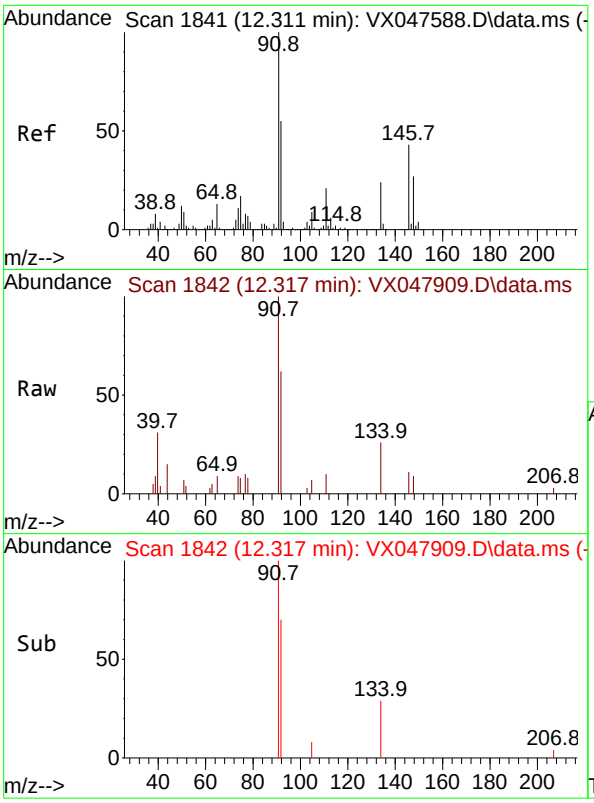


#81
trans-1,4-Dichloro-2-butene
Concen: 61.163 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion: 75 Resp: 60435

Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.4	125.2#
89	0.0	36.3	54.5#



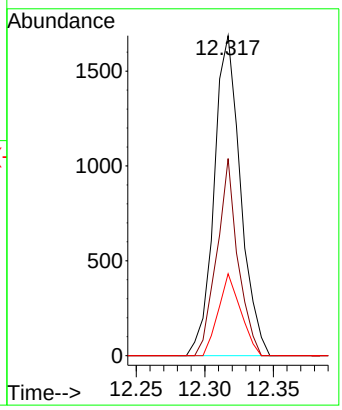


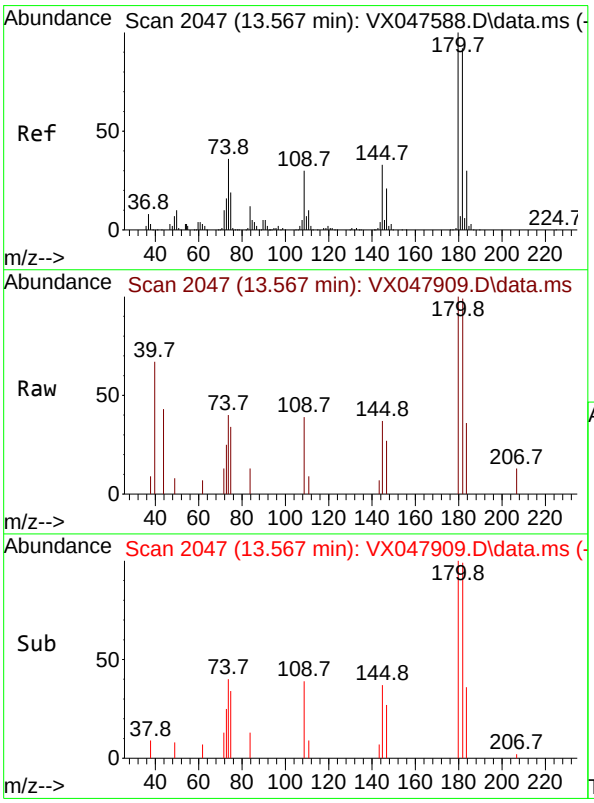
#89
n-Butylbenzene
Concen: 0.305 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion: 91 Resp: 2260

Ion	Ratio	Lower	Upper
91	100		
92	49.2	27.6	82.7
134	21.6	12.6	37.8

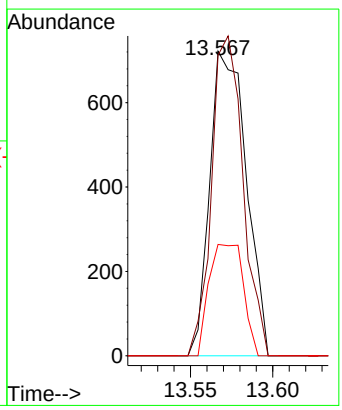


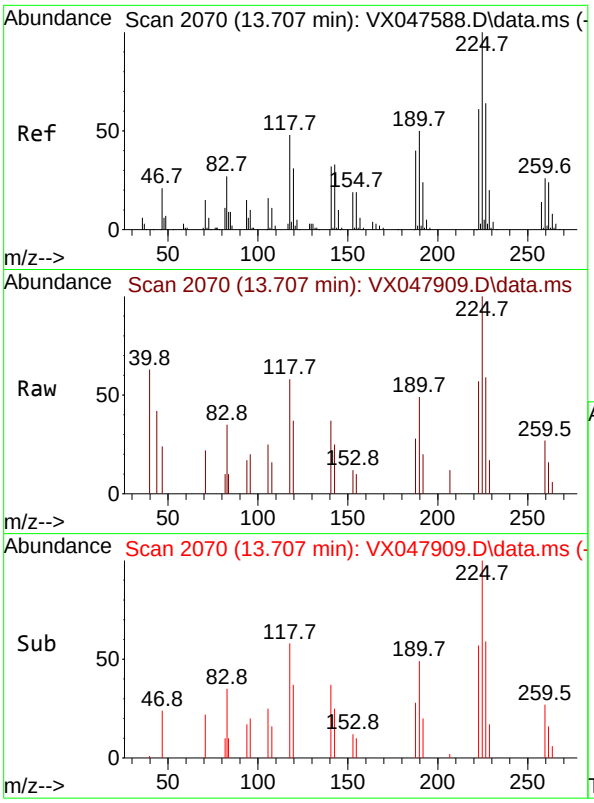


#93
1,2,4-Trichlorobenzene
Concen: 0.416 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:180 Resp: 1116

Ion	Ratio	Lower	Upper
180	100		
182	90.1	46.6	139.8
145	34.3	16.4	49.1



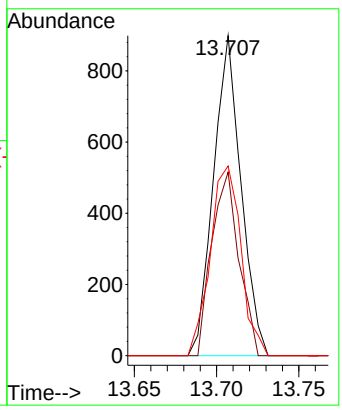


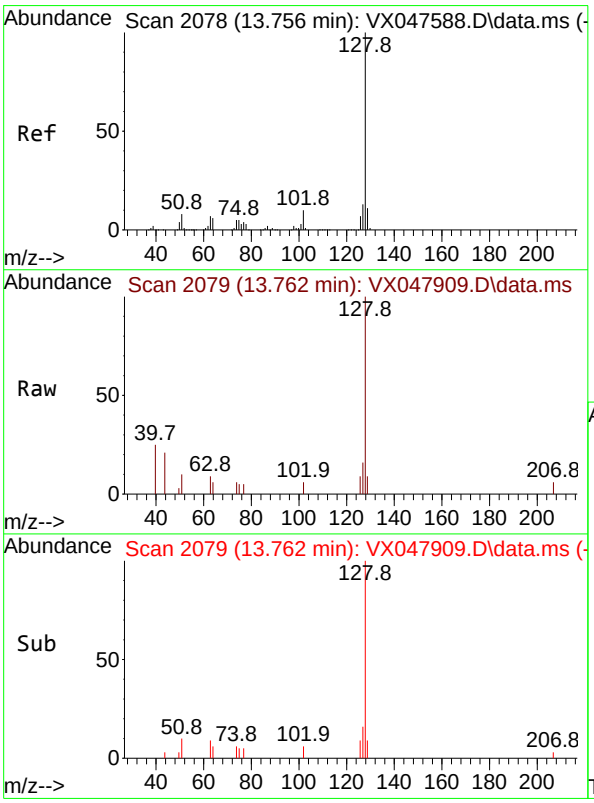
#94
Hexachlorobutadiene
Concen: 1.149 ug/l
RT: 13.707 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:225 Resp: 1046

Ion	Ratio	Lower	Upper
225	100		
223	56.7	31.7	95.1
227	66.1	32.0	96.0

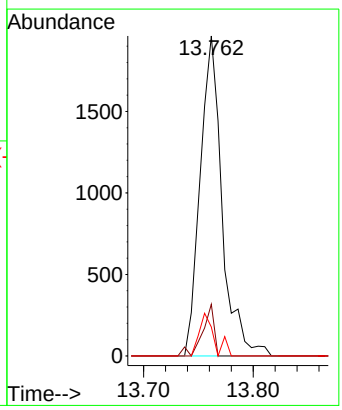


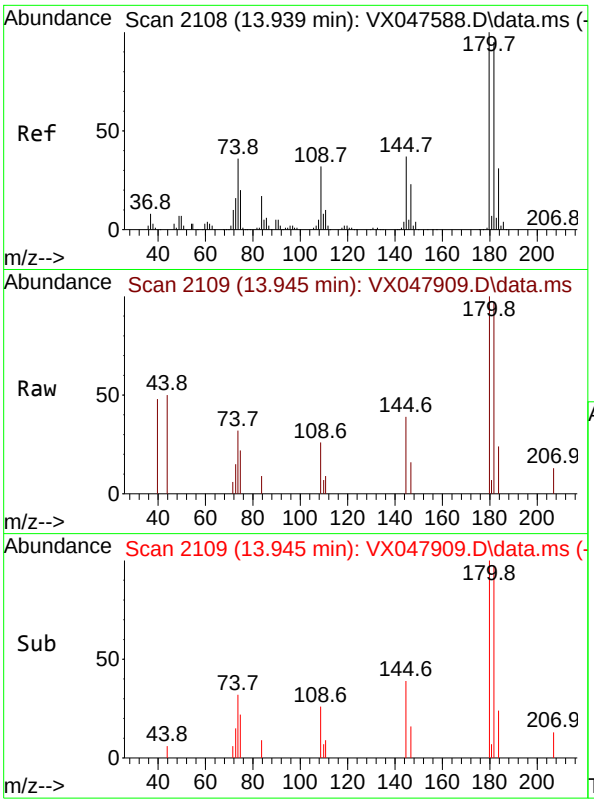


#95
Naphthalene
Concen: 0.334 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Tgt Ion:128 Resp: 2723

Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.2	15.2#
129	9.1	8.8	13.2



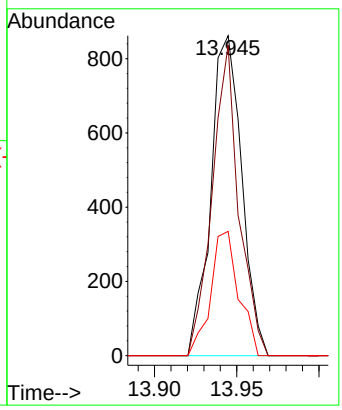


#96
1,2,3-Trichlorobenzene
Concen: 0.453 ug/l
RT: 13.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047909.D
Acq: 30 Sep 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
RE137-20250922

Tgt Ion:180 Resp: 1129

Ion	Ratio	Lower	Upper
180	100		
182	83.6	47.6	142.8
145	35.3	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047920.D
Acq On : 30 Sep 2025 18:27
Operator : JC/MD
Sample : Q3193-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Quant Time: Oct 01 01:16:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

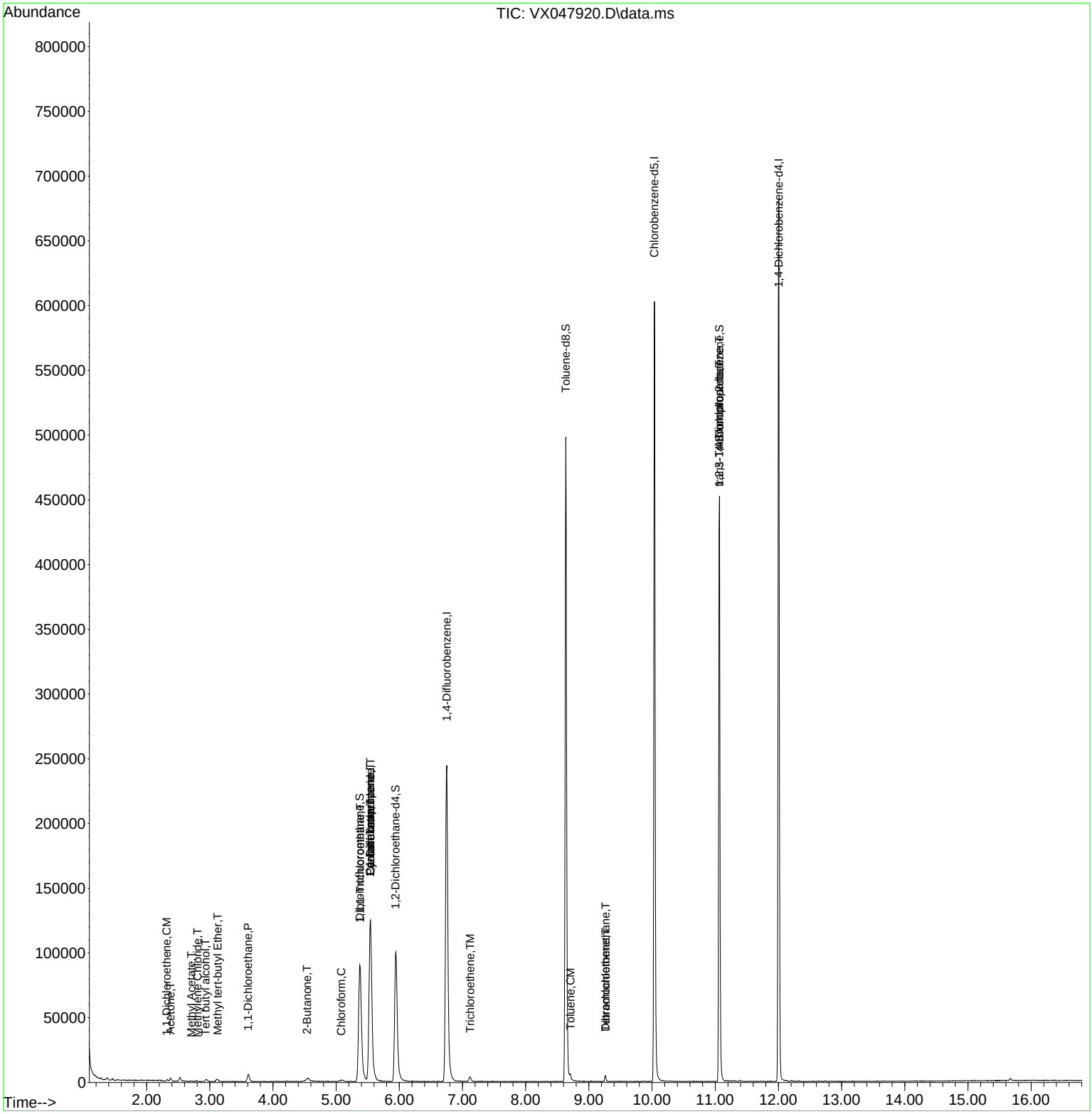
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	267637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	278101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109314	53.924	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.840%			
35) Dibromofluoromethane	5.373	113	88493	49.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.634	98	299757	48.264	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.520%			
62) 4-Bromofluorobenzene	11.067	95	128354	54.454	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.900%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.934	59	259	1.147	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	607	0.401	ug/l #	64
16) Acetone	2.380	43	3188	3.617	ug/l #	88
18) Methyl Acetate	2.709	43	457	0.233	ug/l #	54
19) Methyl tert-butyl Ether	3.123	73	2106	0.381	ug/l #	84
20) Methylene Chloride	2.806	84	393	0.211	ug/l #	27
24) 1,1-Dichloroethane	3.605	63	7046	2.191	ug/l	95
25) 2-Butanone	4.538	43	317	0.288	ug/l #	50
30) Chloroform	5.080	83	943	0.290	ug/l	84
31) Cyclohexane	5.544	56	3070	1.146	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	629	0.228	ug/l #	38
36) 1,1-Dichloropropene	5.537	75	11018	4.201	ug/l #	51
38) Carbon Tetrachloride	5.544	117	13795	4.841	ug/l #	19
44) Trichloroethene	7.123	130	1616	0.839	ug/l	68
52) Toluene	8.708	92	1457	0.297	ug/l	91
60) Dibromochloromethane	9.262	129	925	0.424	ug/l #	11
64) Tetrachloroethene	9.262	164	697	0.384	ug/l #	86
76) 1,2,3-Trichloropropane	11.061	75	67789	24.097	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	67789	61.450	ug/l #	8

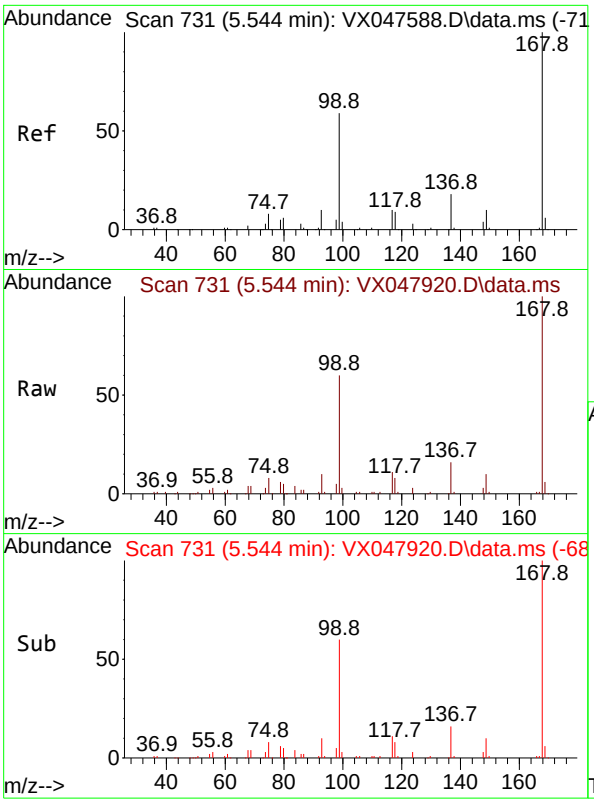
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047920.D
Acq On : 30 Sep 2025 18:27
Operator : JC/MD
Sample : Q3193-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Quant Time: Oct 01 01:16:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



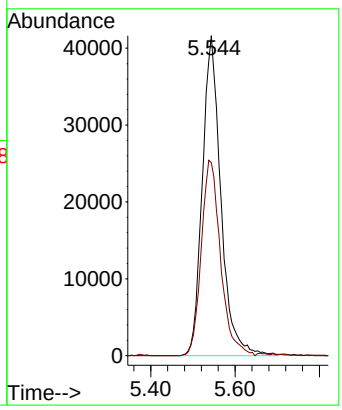


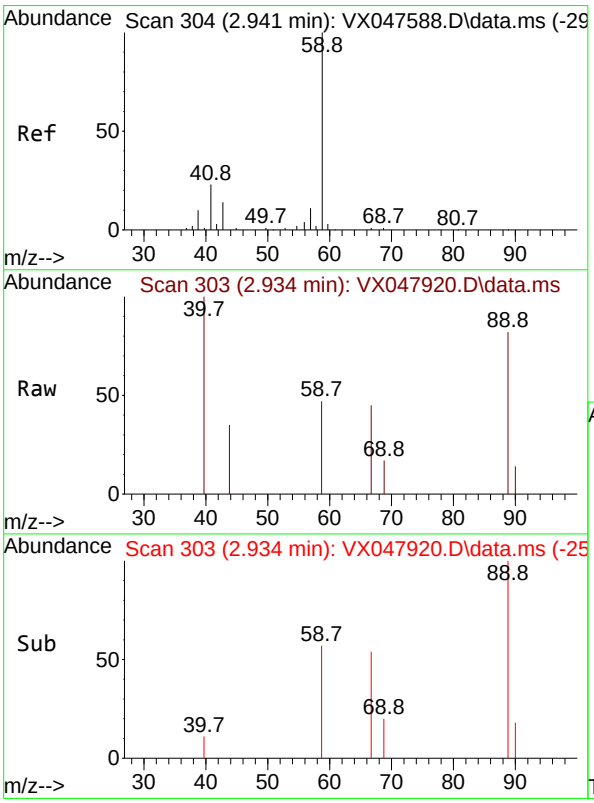
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion:168 Resp: 127355

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.8	73.2

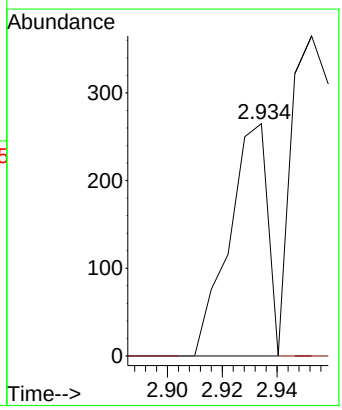


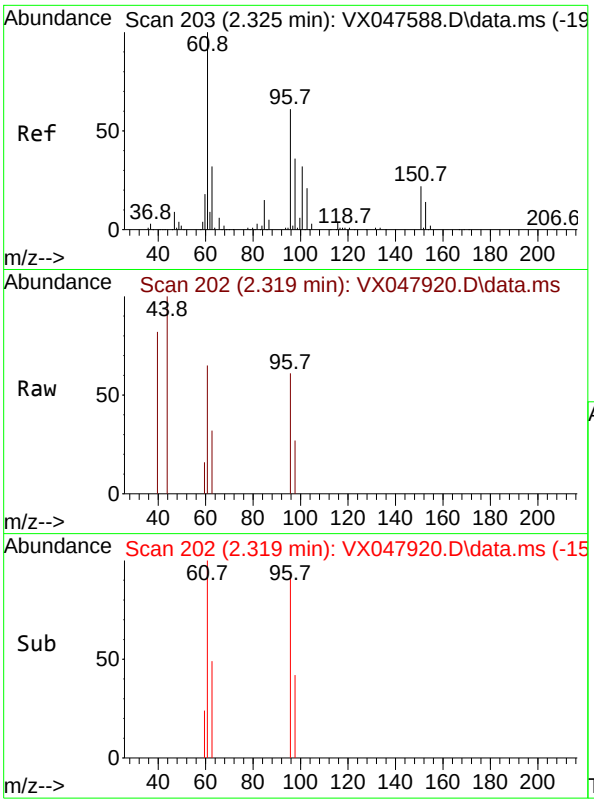


#11
Tert butyl alcohol
Concen: 1.147 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 59 Resp: 259

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



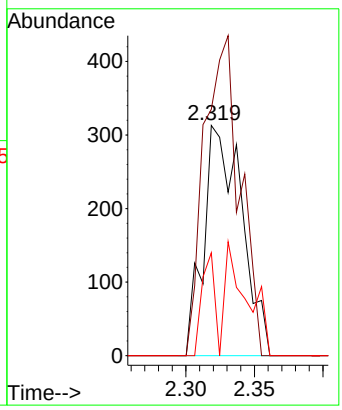


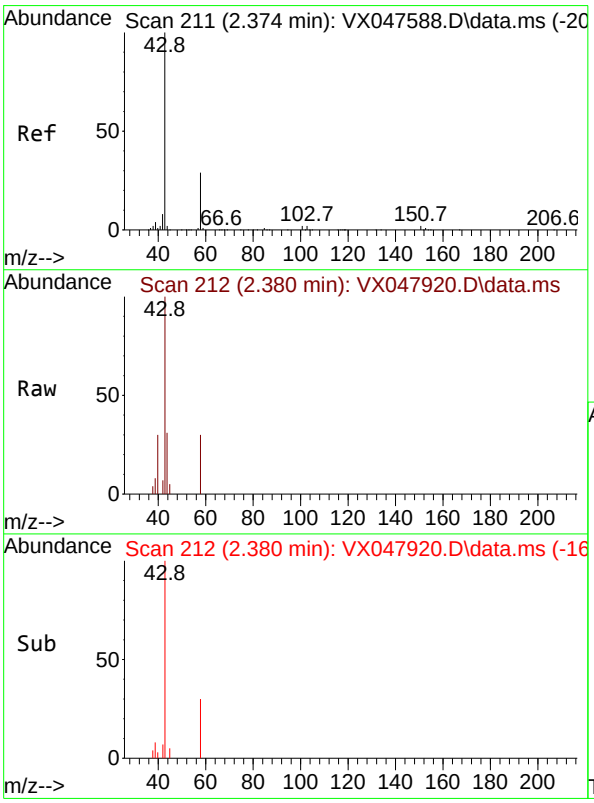
#12
1,1-Dichloroethene
Concen: 0.401 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 96 Resp: 607

Ion	Ratio	Lower	Upper
96	100		
61	107.0	131.0	196.6#
98	44.7	47.7	71.5#

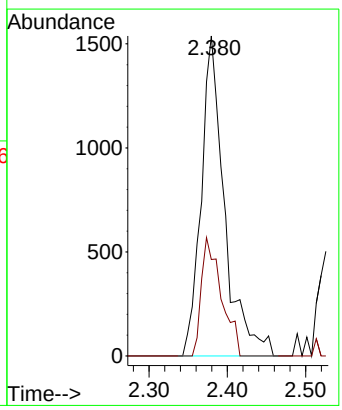


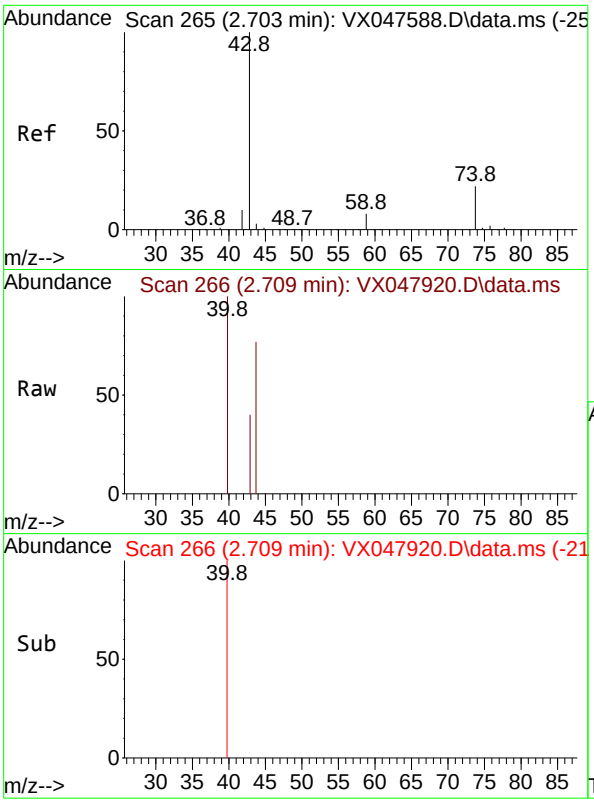


#16
Acetone
Concen: 3.617 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 43 Resp: 3188

Ion	Ratio	Lower	Upper
43	100		
58	23.0	23.4	35.0#



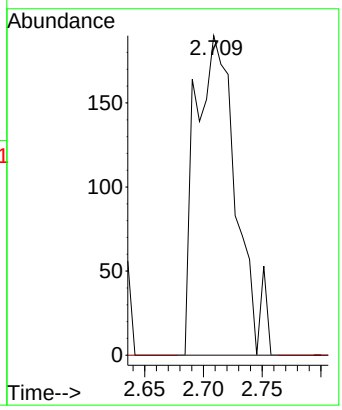


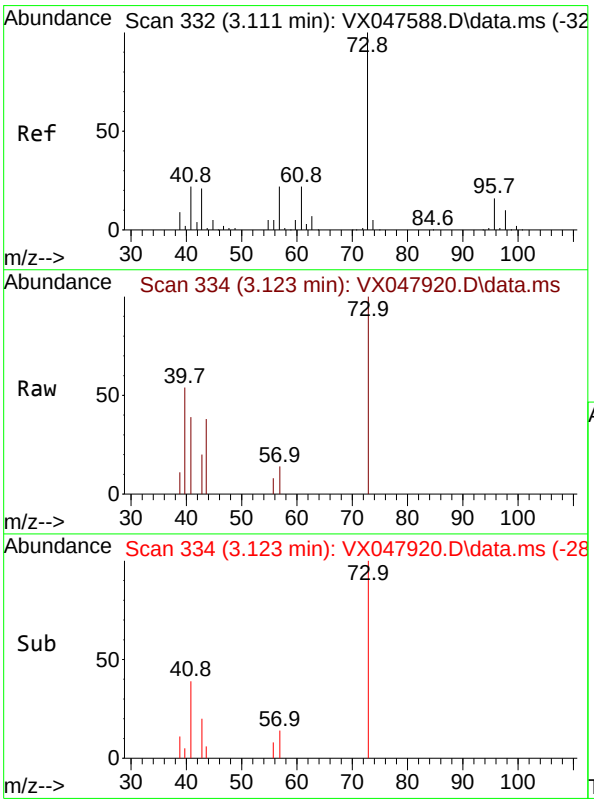
#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 2.709 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 43 Resp: 457

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.4	26.2#

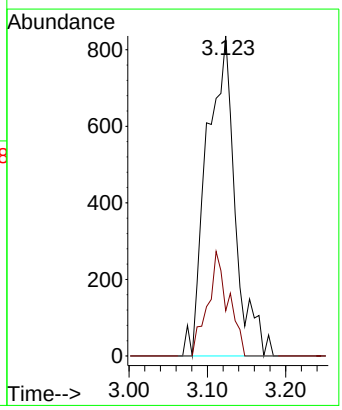


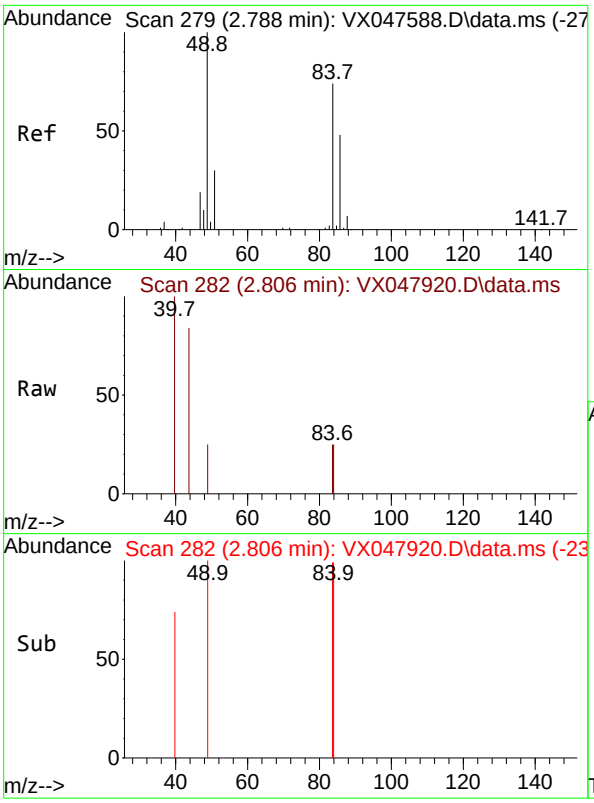


#19
Methyl tert-butyl Ether
Concen: 0.381 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 73 Resp: 2106

Ion	Ratio	Lower	Upper
73	100		
57	14.1	17.4	26.2#



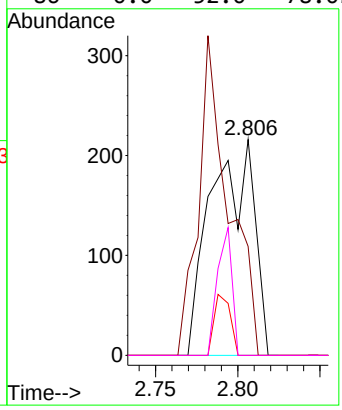


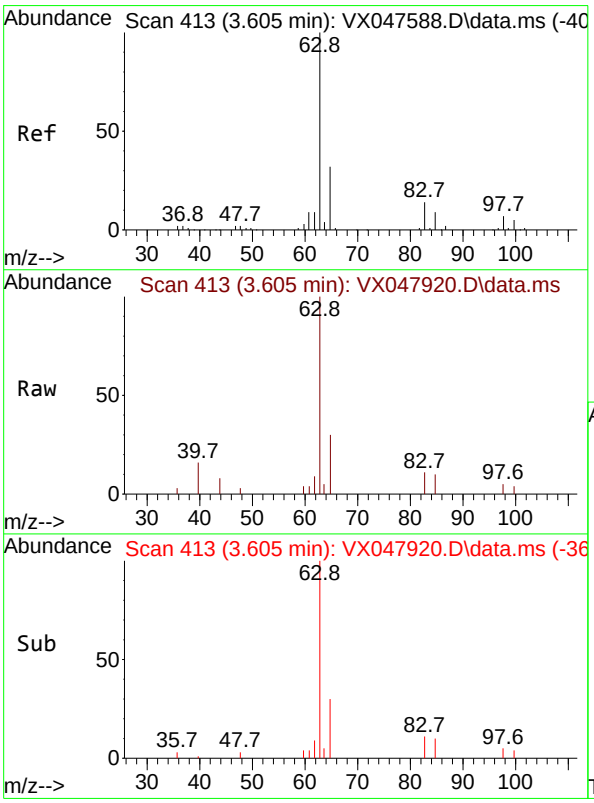
#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.018 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 84 Resp: 393

Ion	Ratio	Lower	Upper
84	100		
49	50.5	108.6	162.8#
51	0.0	32.6	48.8#
86	0.0	52.0	78.0#

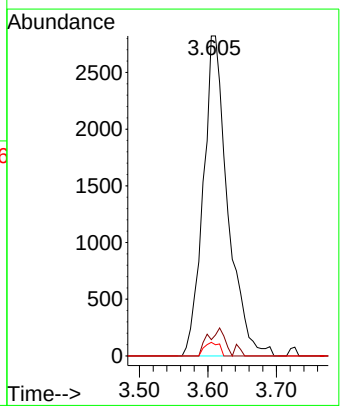


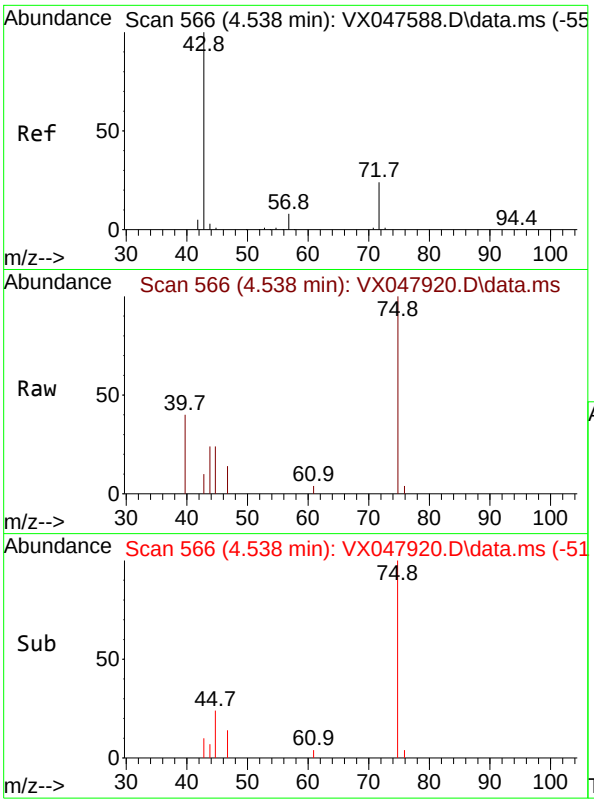


#24
1,1-Dichloroethane
Concen: 2.191 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 63 Resp: 7046

Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.8	11.2
100	4.1	2.3	6.9



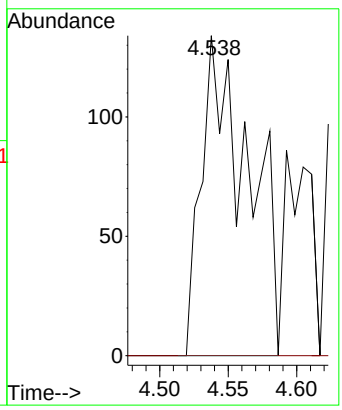


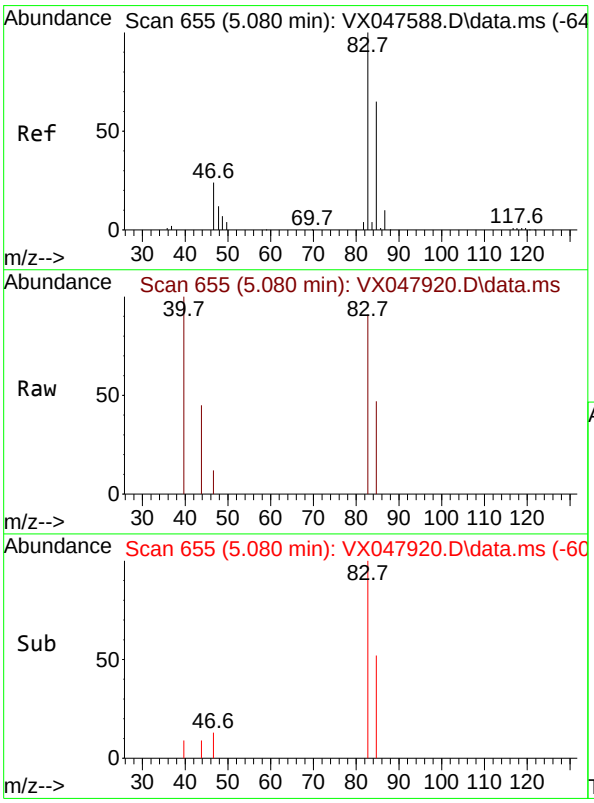
#25
2-Butanone
Concen: 0.288 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 43 Resp: 317

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.1	30.1#

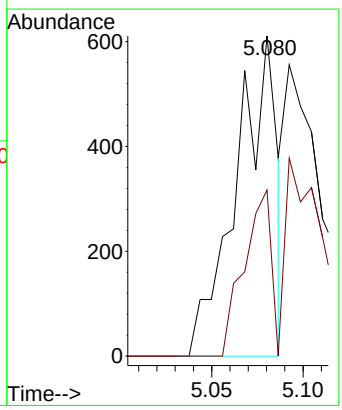


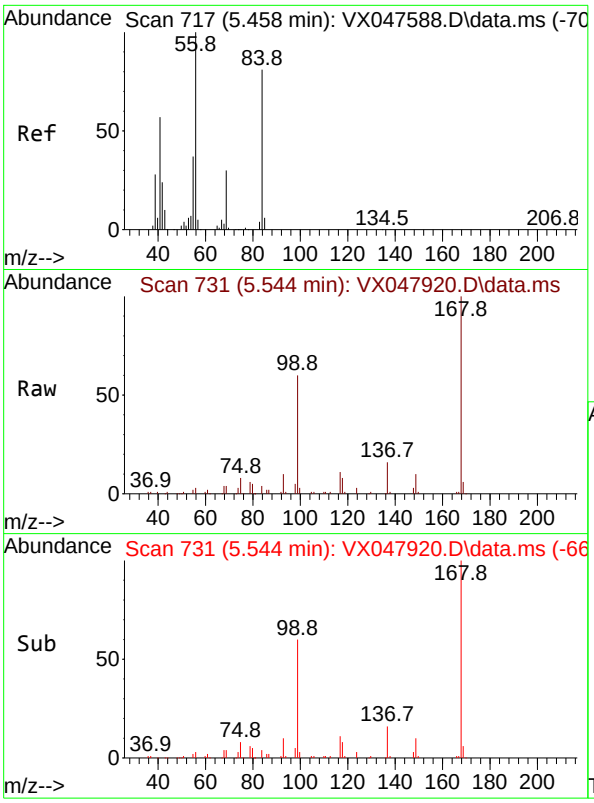


#30
Chloroform
Concen: 0.290 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 83 Resp: 943

Ion	Ratio	Lower	Upper
83	100		
85	51.9	51.8	77.6



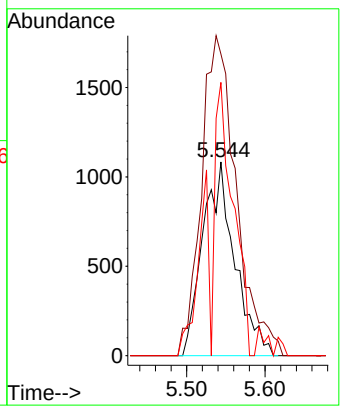


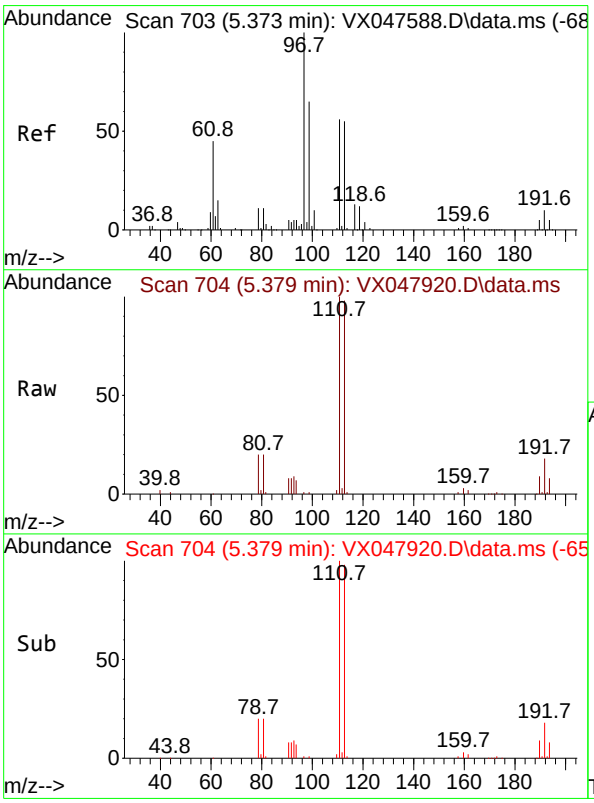
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.085 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 56 Resp: 3070

Ion	Ratio	Lower	Upper
56	100		
69	155.6	23.8	35.8#
84	141.1	64.6	97.0#

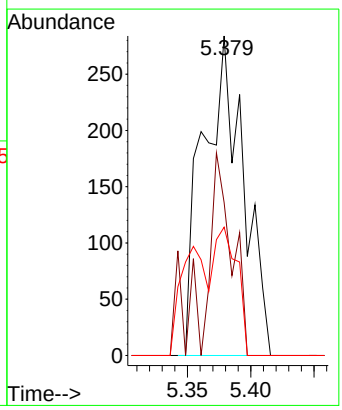


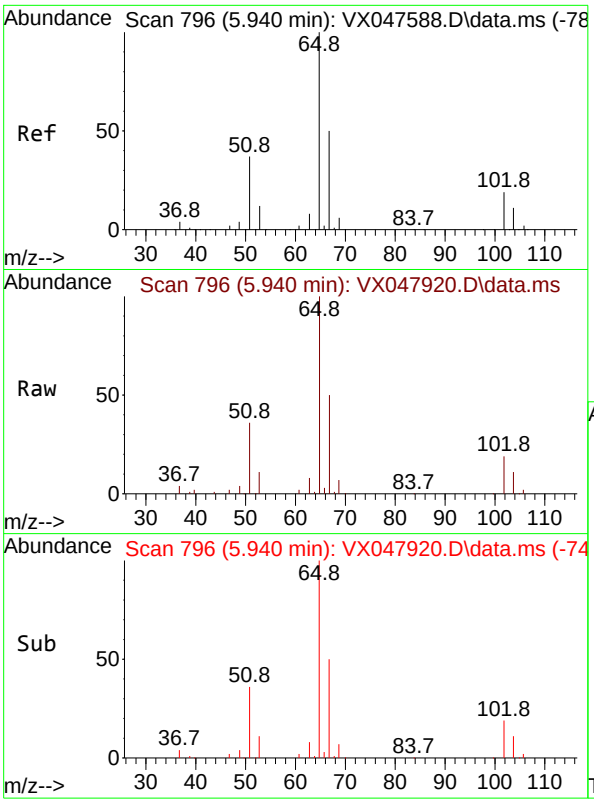


#32
1,1,1-Trichloroethane
Concen: 0.228 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 97 Resp: 629

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	22.4	35.8	53.8#



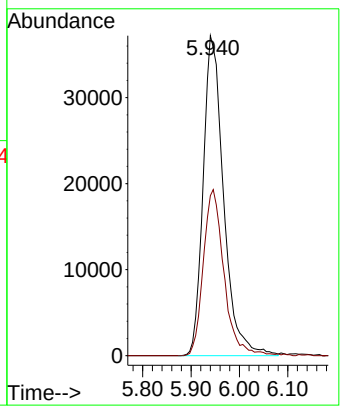


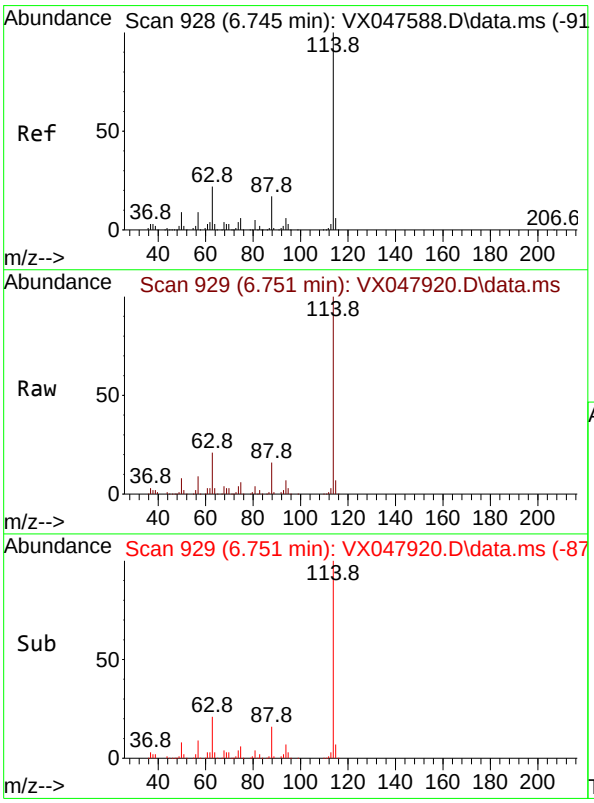
#33
1,2-Dichloroethane-d4
Concen: 53.924 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 65 Resp: 109314

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

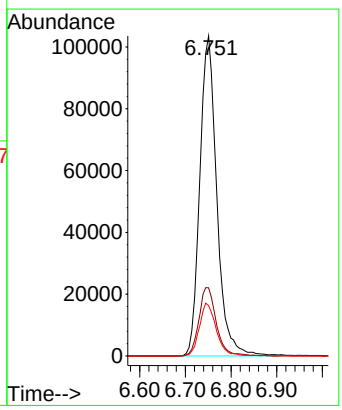


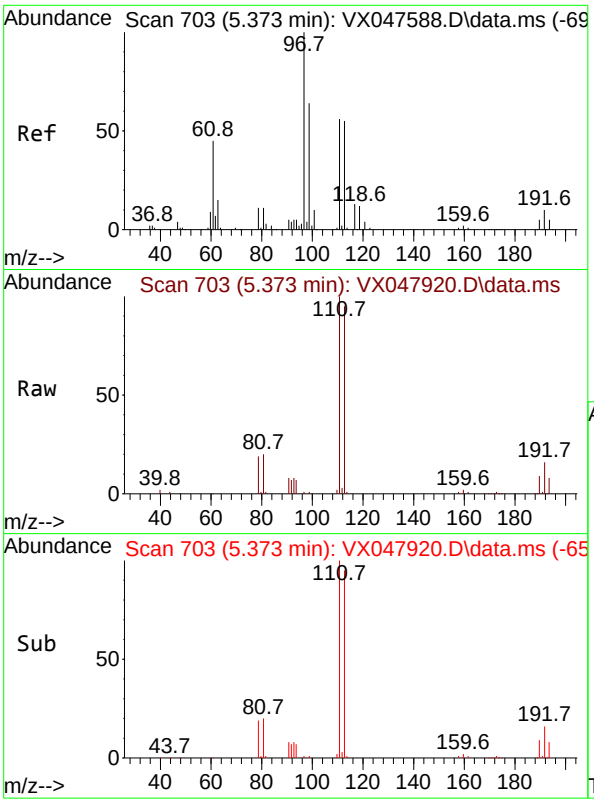


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:114 Resp: 267637

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	15.7	0.0	34.2



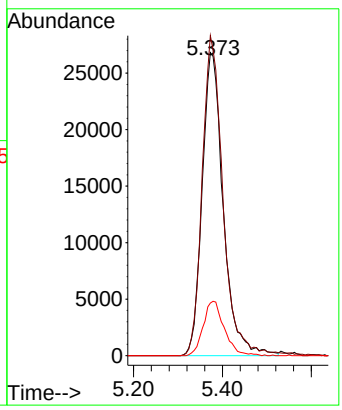


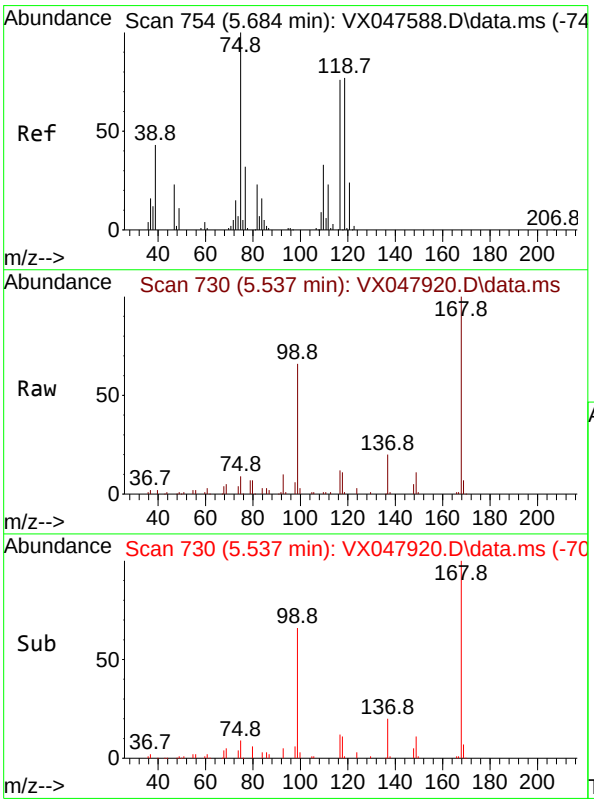
#35
Dibromofluoromethane
Concen: 49.302 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion:113 Resp: 88493

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.9	121.3
192	18.0	14.2	21.4

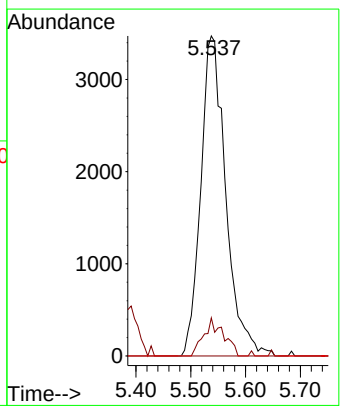


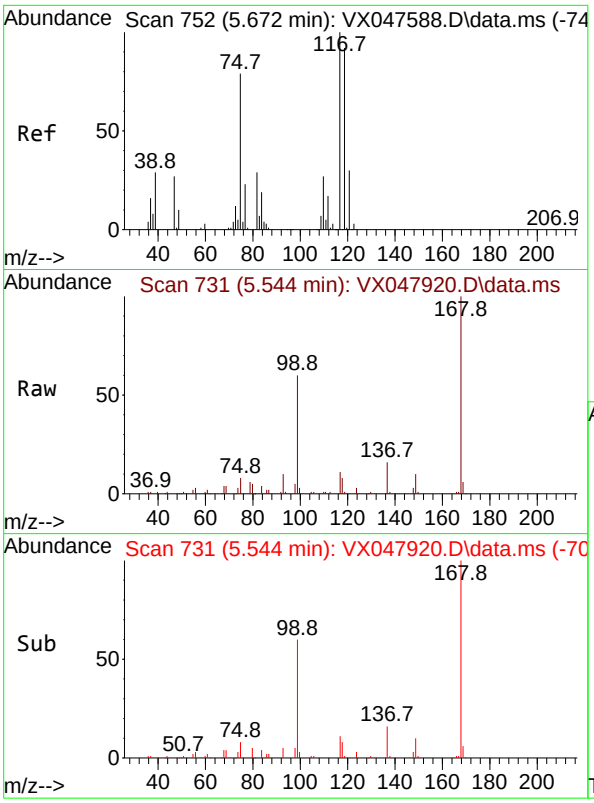


#36
1,1-Dichloropropene
Concen: 4.201 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 75 Resp: 11018

Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.1#
77	0.0	24.3	36.5#



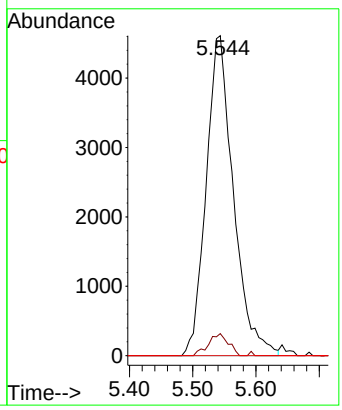


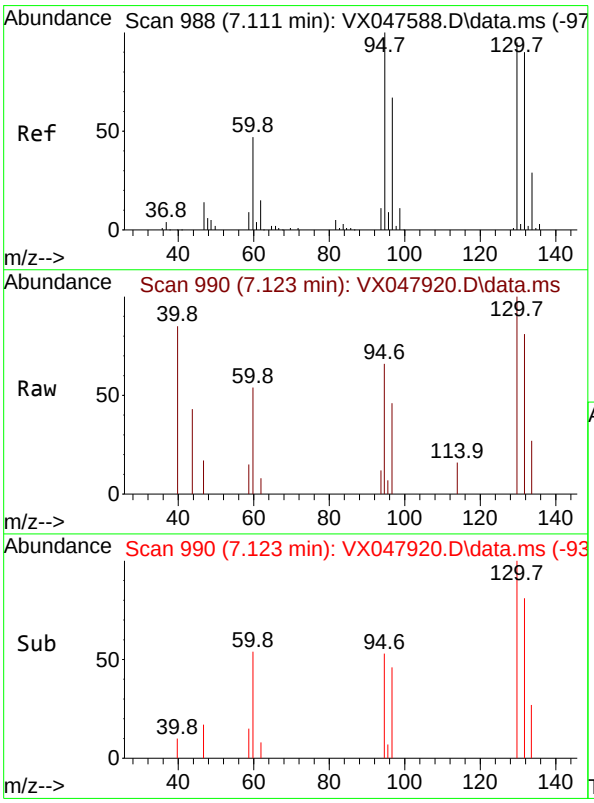
#38
Carbon Tetrachloride
Concen: 4.841 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.128 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion:117 Resp: 13795

Ion	Ratio	Lower	Upper
117	100		
119	6.9	73.4	110.2#
121	0.0	23.8	35.6#

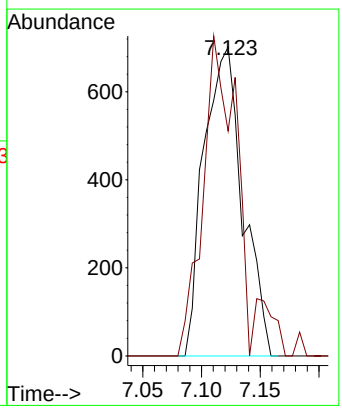


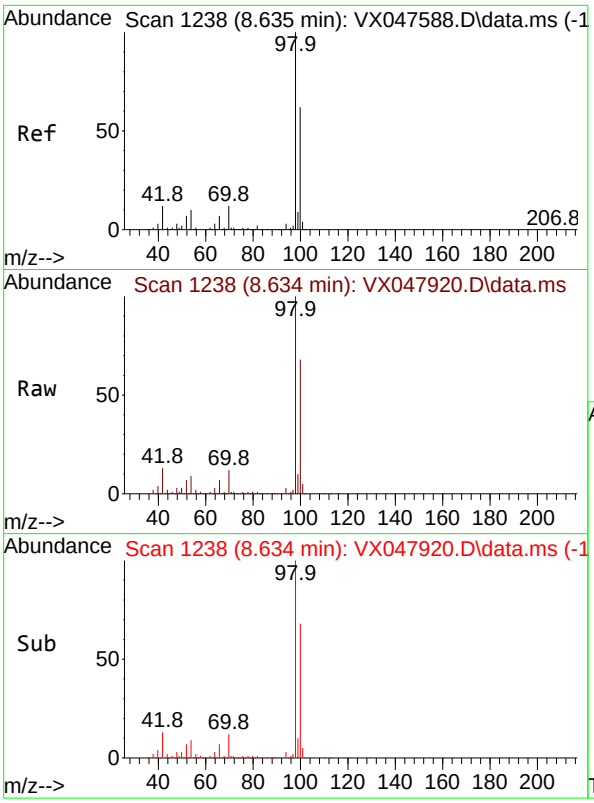


#44
Trichloroethene
Concen: 0.839 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:130 Resp: 1616

Ion	Ratio	Lower	Upper
130	100		
95	72.8	0.0	210.8



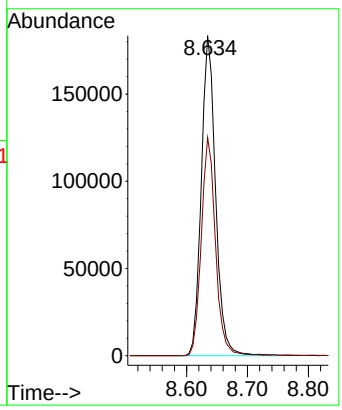


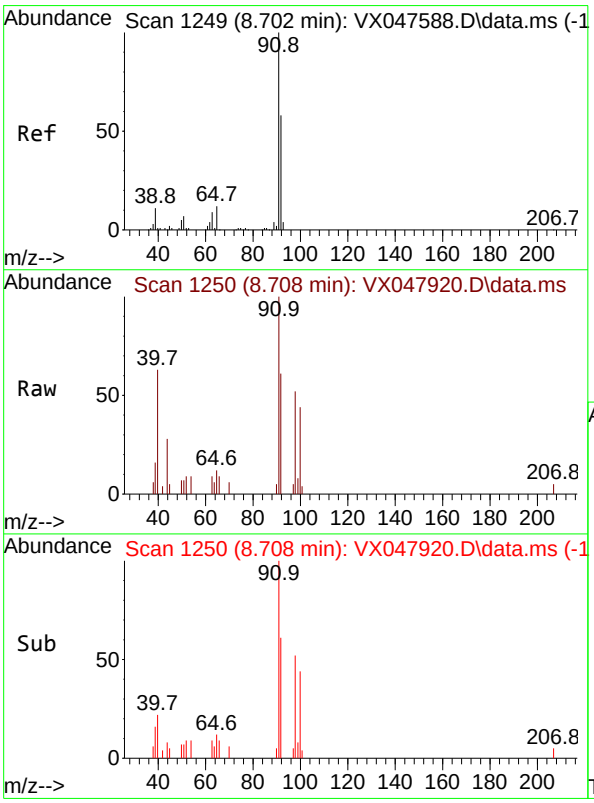
#50
Toluene-d8
Concen: 48.264 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 98 Resp: 299757

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4

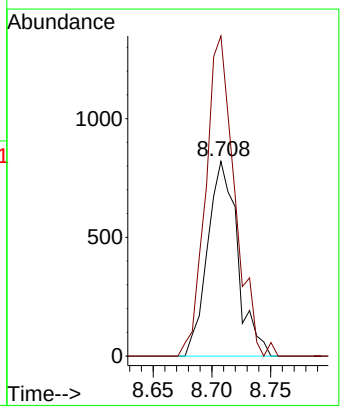


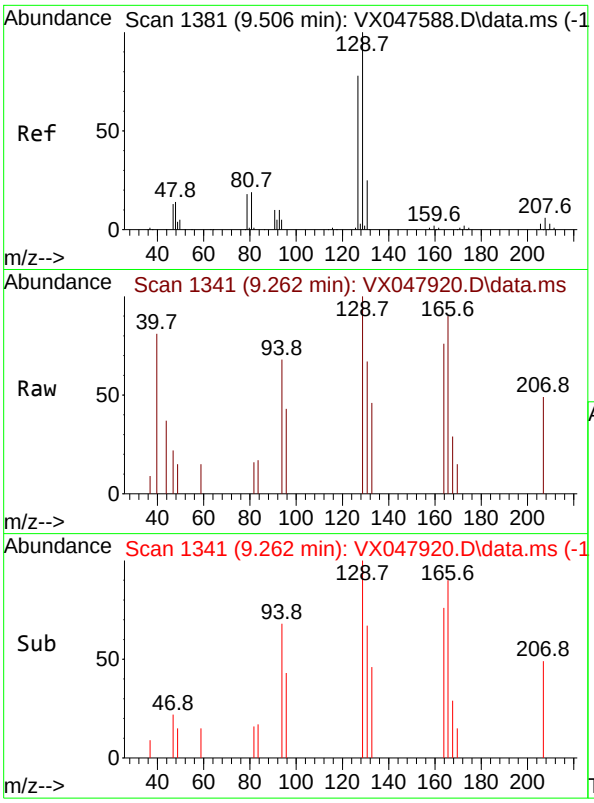


#52
Toluene
Concen: 0.297 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 92 Resp: 1457

Ion	Ratio	Lower	Upper
92	100		
91	159.0	137.1	205.7



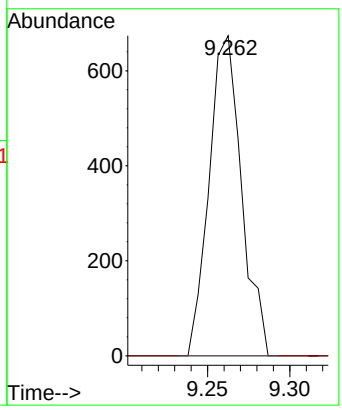


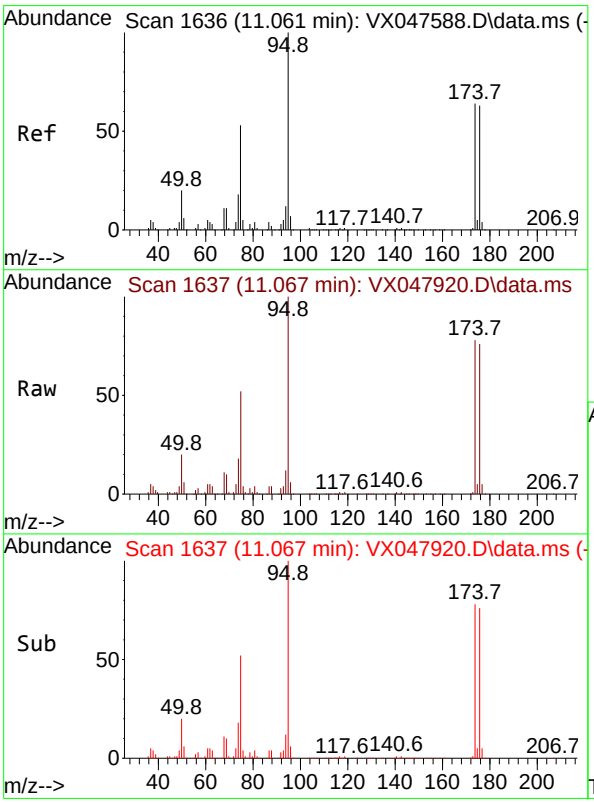
#60
Dibromochloromethane
Concen: 0.424 ug/l
RT: 9.262 min Scan# 1
Delta R.T. -0.244 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion:129 Resp: 925

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

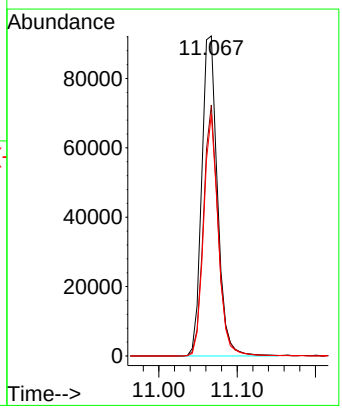


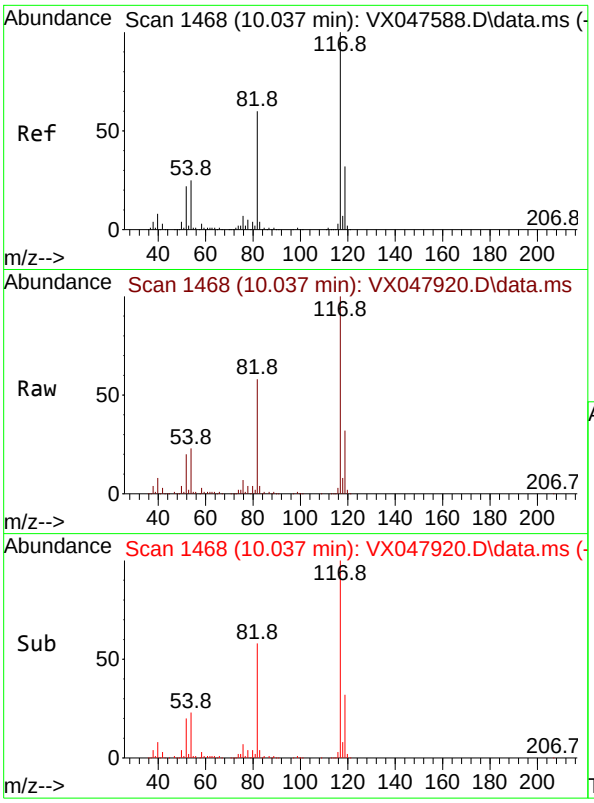


#62
4-Bromofluorobenzene
Concen: 54.454 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 95 Resp: 128354

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	141.6
176	70.3	0.0	138.4



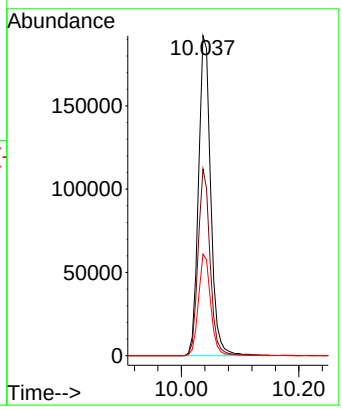


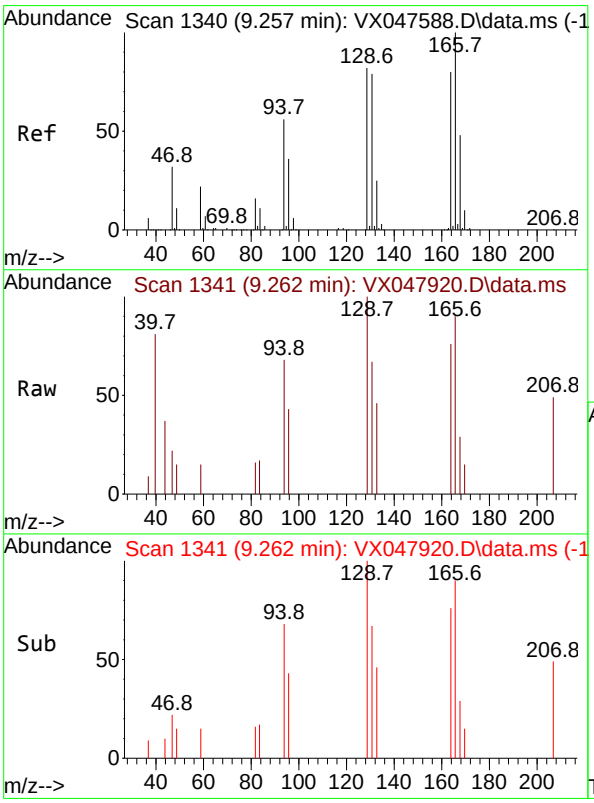
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion:117 Resp: 278101

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	31.8	25.2	37.8

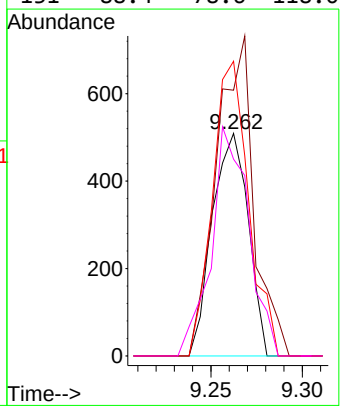


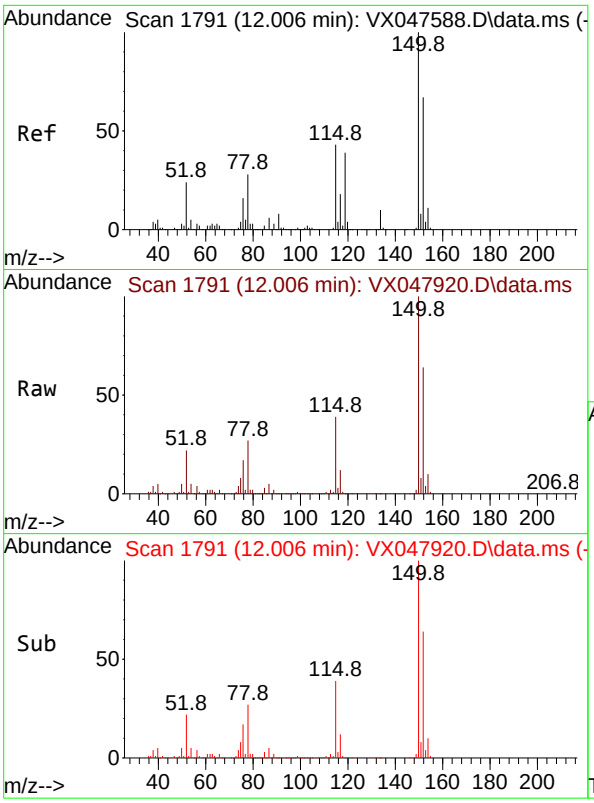


#64
Tetrachloroethene
Concen: 0.384 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion:164 Resp: 697

Ion	Ratio	Lower	Upper
164	100		
166	119.4	100.2	150.2
129	132.4	81.8	122.6#
131	88.4	78.6	118.0



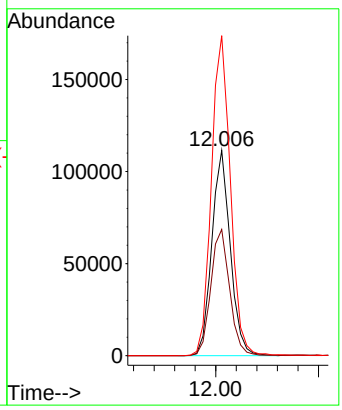


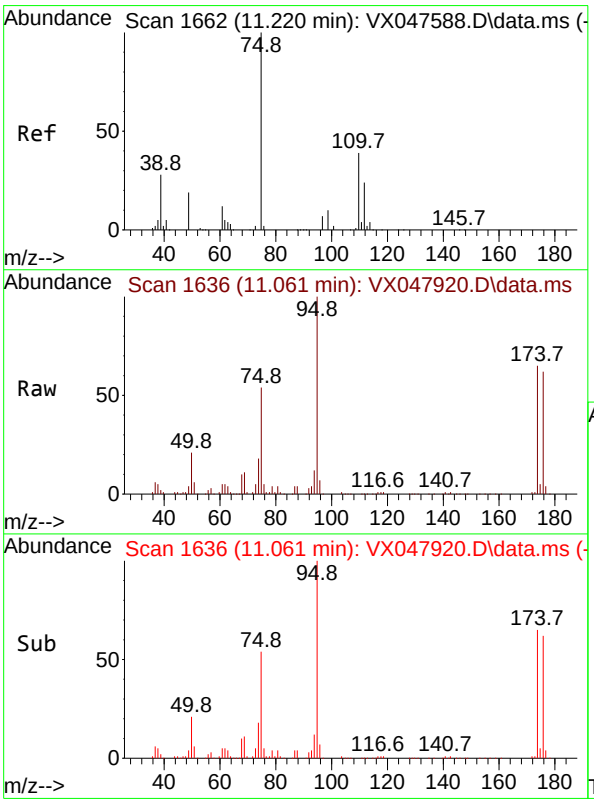
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion:152 Resp: 138945

Ion	Ratio	Lower	Upper
152	100		
115	62.8	44.9	134.5
150	160.4	0.0	352.0

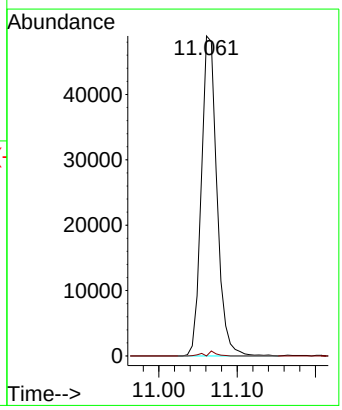


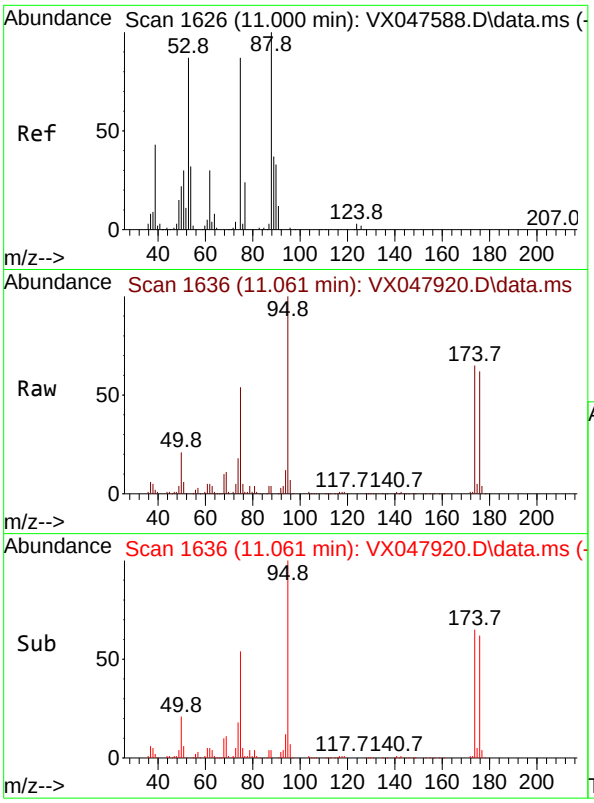


#76
1,2,3-Trichloropropane
Concen: 24.097 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Tgt Ion: 75 Resp: 67789

Ion	Ratio	Lower	Upper
75	100		
77	1.0	18.8	56.4#



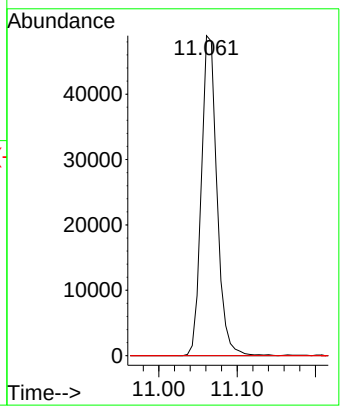


#81
trans-1,4-Dichloro-2-butene
Concen: 61.450 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047920.D
Acq: 30 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20250923

Tgt Ion: 75 Resp: 67789

Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.4	125.2#
89	0.0	36.3	54.5#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	132534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	238365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111905	53.045	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.100%			
35) Dibromofluoromethane	5.373	113	86570	54.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	8.634	98	293390	53.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.080%			
62) 4-Bromofluorobenzene	11.061	95	112253	53.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	77088	56.170	ug/l	98
3) Chloromethane	1.300	50	92995	51.557	ug/l	98
4) Vinyl Chloride	1.380	62	95992	54.366	ug/l	97
5) Bromomethane	1.611	94	60978	54.463	ug/l	99
6) Chloroethane	1.691	64	65276	55.314	ug/l	97
7) Trichlorofluoromethane	1.892	101	143051	54.566	ug/l	97
8) Diethyl Ether	2.136	74	59427	55.414	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	83865	54.709	ug/l	98
10) Methyl Iodide	2.459	142	104700	43.794	ug/l	100
11) Tert butyl alcohol	2.946	59	60760	258.604	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85570	54.342	ug/l	98
13) Acrolein	2.239	56	57256	264.445	ug/l	99
14) Allyl chloride	2.666	41	162904	50.135	ug/l	98
15) Acrylonitrile	3.056	53	268563	308.592	ug/l	99
16) Acetone	2.373	43	208981	227.831	ug/l	100
17) Carbon Disulfide	2.514	76	219361	50.887	ug/l	98
18) Methyl Acetate	2.703	43	132826	65.067	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	317909	55.306	ug/l	99
20) Methylene Chloride	2.788	84	107848	55.546	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	92481	54.552	ug/l	97
22) Diisopropyl ether	3.751	45	352433	55.966	ug/l #	85
23) Vinyl Acetate	3.715	43	1411660	280.091	ug/l	99
24) 1,1-Dichloroethane	3.605	63	186212	55.634	ug/l	99
25) 2-Butanone	4.544	43	319392	279.147	ug/l	98
26) 2,2-Dichloropropane	4.471	77	117774	42.330	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	113694	54.761	ug/l	96
28) Bromochloromethane	4.885	49	78327	53.604	ug/l	100
29) Tetrahydrofuran	4.995	42	202985	294.905	ug/l	100
30) Chloroform	5.086	83	191739	56.689	ug/l	98
31) Cyclohexane	5.464	56	136628	49.011	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	155464	54.189	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115949	49.637	ug/l	97
37) Ethyl Acetate	4.696	43	136927	54.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	128895	50.785	ug/l	99
39) Methylcyclohexane	7.366	83	126763	47.806	ug/l	99
40) Benzene	6.025	78	384636	54.213	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	73700	57.078	ug/l		99
42) 1,2-Dichloroethane	6.074	62	145986	54.079	ug/l		100
43) Isopropyl Acetate	6.324	43	224413	54.708	ug/l		98
44) Trichloroethene	7.110	130	92363	53.847	ug/l		96
45) 1,2-Dichloropropane	7.415	63	102592	56.471	ug/l		99
46) Dibromomethane	7.568	93	72842	55.099	ug/l		96
47) Bromodichloromethane	7.805	83	152453	55.883	ug/l		97
48) Methyl methacrylate	7.677	41	113343	55.472	ug/l		97
49) 1,4-Dioxane	7.647	88	26956	1305.423	ug/l		97
51) 4-Methyl-2-Pentanone	8.561	43	679876	298.935	ug/l		100
52) Toluene	8.702	92	234858	53.729	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	144726	52.010	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	157465	52.943	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	95983	56.947	ug/l		98
56) Ethyl methacrylate	9.104	69	149817	56.599	ug/l		97
57) 1,3-Dichloropropane	9.293	76	164563	56.837	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	384496	300.103	ug/l		99
59) 2-Hexanone	9.415	43	470259	287.896	ug/l		99
60) Dibromochloromethane	9.506	129	112557	57.958	ug/l		99
61) 1,2-Dibromoethane	9.592	107	100581	58.588	ug/l		100
64) Tetrachloroethene	9.256	164	73046	50.812	ug/l		97
65) Chlorobenzene	10.061	112	259779	51.854	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	92447	53.476	ug/l		99
67) Ethyl Benzene	10.177	91	444221	51.390	ug/l		99
68) m/p-Xylenes	10.287	106	334993	104.119	ug/l		99
69) o-Xylene	10.628	106	161921	52.032	ug/l		99
70) Styrene	10.640	104	289190	53.035	ug/l		98
71) Bromoform	10.780	173	73852	57.212	ug/l	#	97
73) Isopropylbenzene	10.945	105	414872	49.469	ug/l		99
74) N-amyl acetate	10.829	43	194530	50.866	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	138566	54.611	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	149744	67.047	ug/l		89
77) Bromobenzene	11.183	156	103795	50.251	ug/l		98
78) n-propylbenzene	11.286	91	485929	49.015	ug/l		99
79) 2-Chlorotoluene	11.347	91	298892	49.224	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	339378	49.255	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	40353	46.075	ug/l		99
82) 4-Chlorotoluene	11.439	91	355988	49.640	ug/l		100
83) tert-Butylbenzene	11.695	119	345986	49.053	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	346035	49.536	ug/l		100
85) sec-Butylbenzene	11.872	105	409794	48.913	ug/l		100
86) p-Isopropyltoluene	11.994	119	342231	48.250	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	191106	49.812	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	192965	49.006	ug/l		99
89) n-Butylbenzene	12.317	91	312733	47.651	ug/l		98
90) Hexachloroethane	12.518	117	62984	50.578	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	186186	50.939	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26953	52.467	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	112758	47.467	ug/l		98
94) Hexachlorobutadiene	13.707	225	36753	45.550	ug/l		98
95) Naphthalene	13.756	128	370067	51.160	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	107969	48.861	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

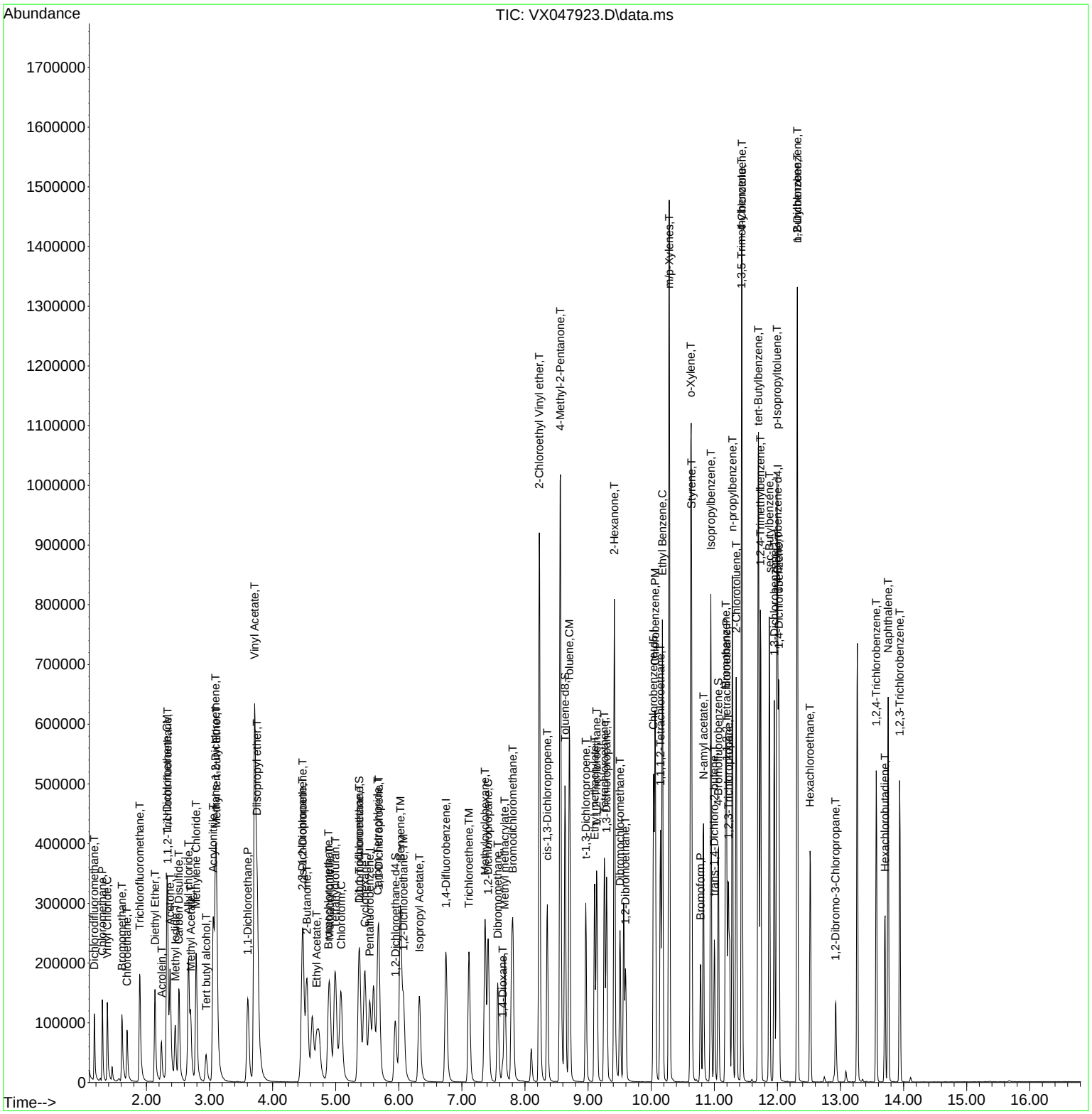
(#) = qualifier out of range (m) = manual integration (+) = signals summed

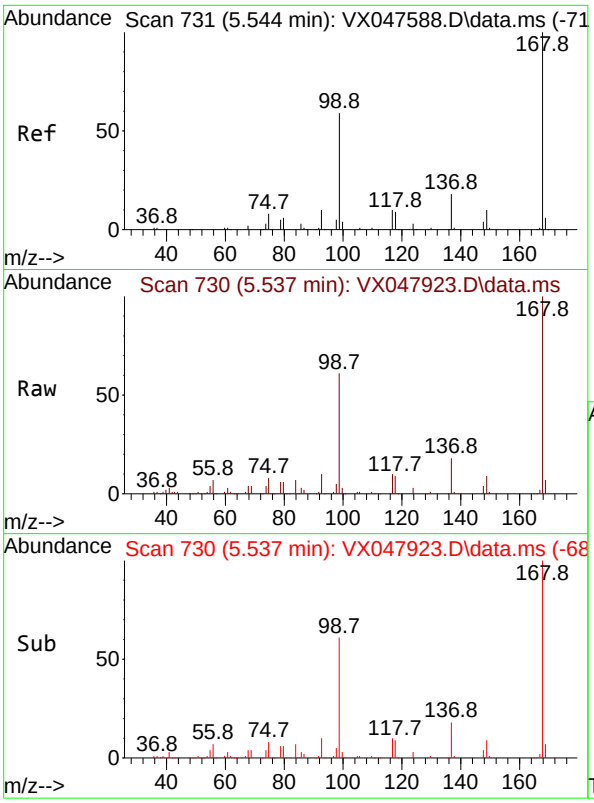
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



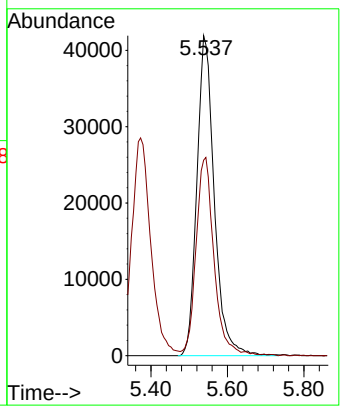


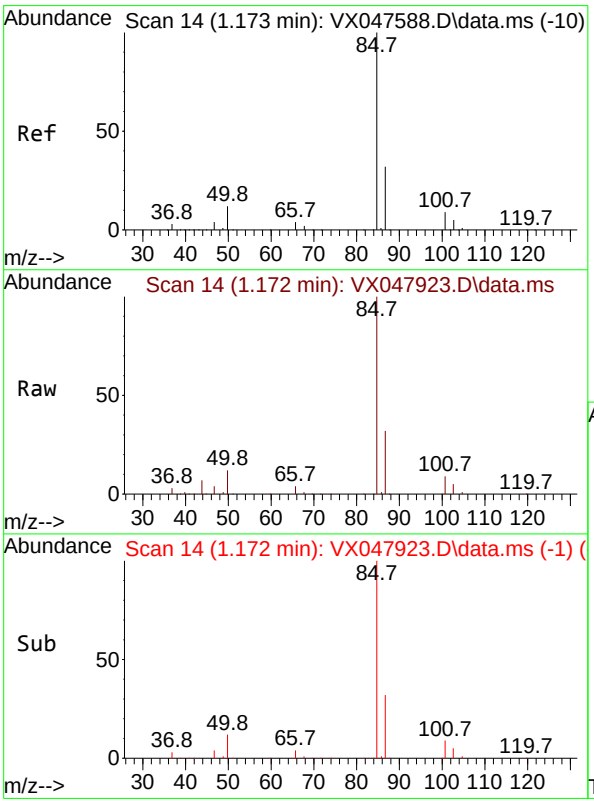
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 132534

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

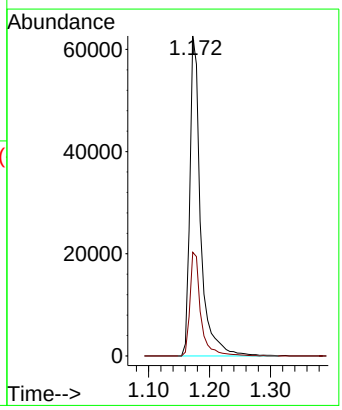


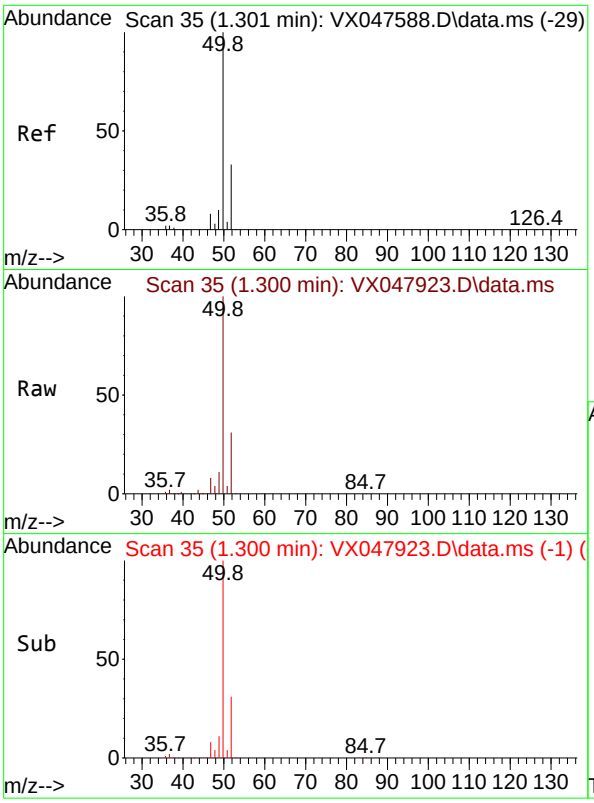


#2
Dichlorodifluoromethane
Concen: 56.170 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 85 Resp: 77088

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3



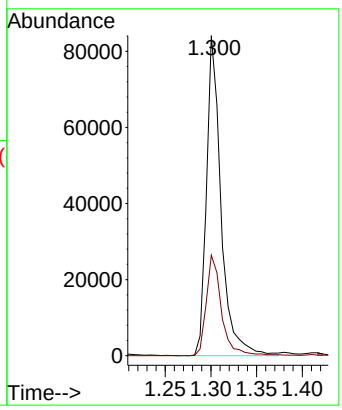


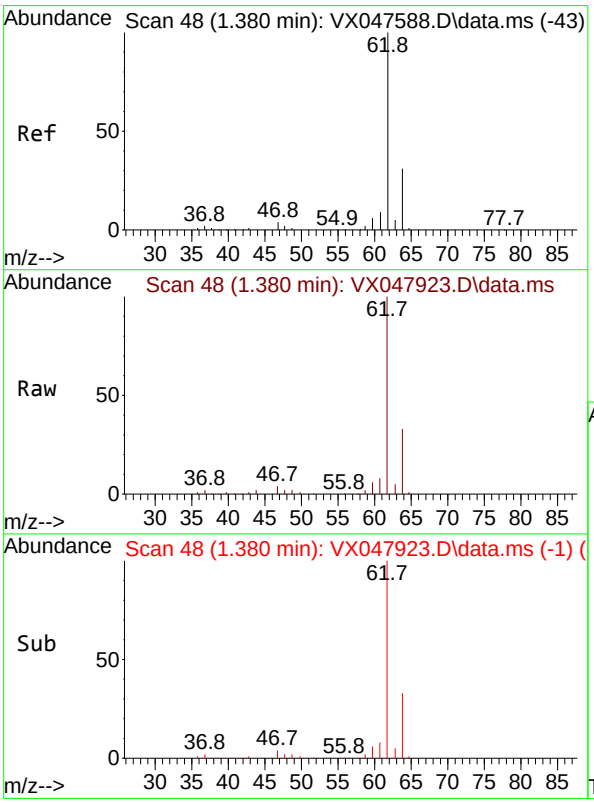
#3
Chloromethane
Concen: 51.557 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 92995

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.1	39.1

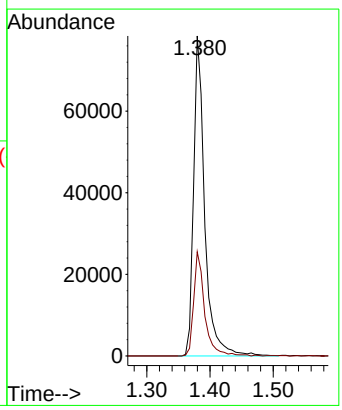


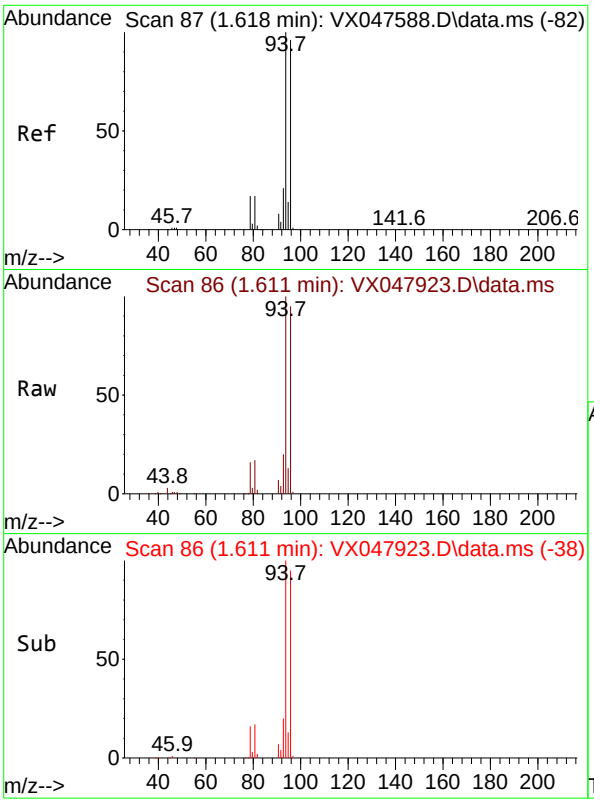


#4
Vinyl Chloride
Concen: 54.366 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 95992

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.9	37.3



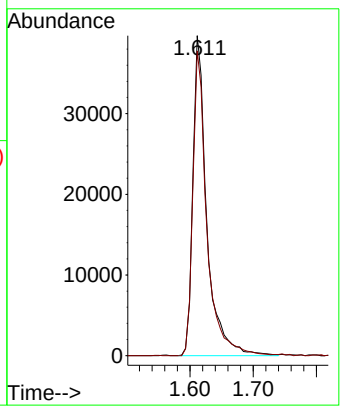


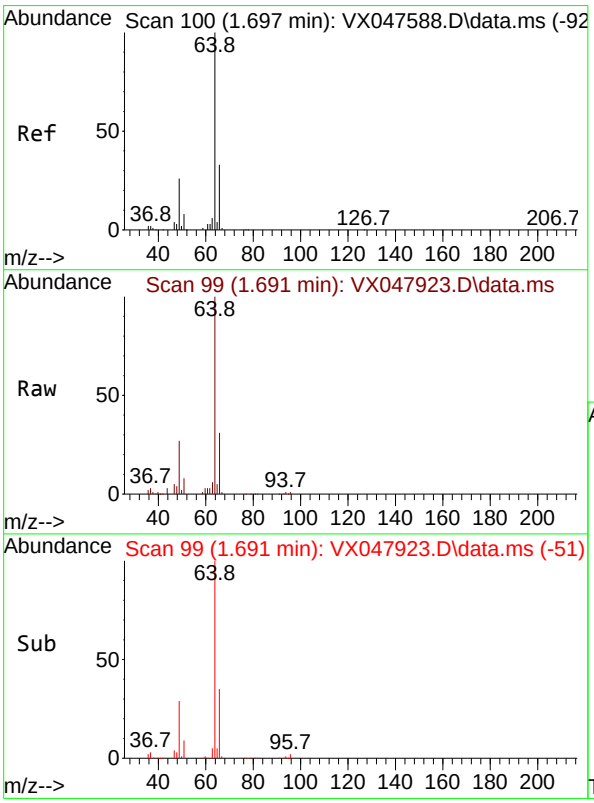
#5
Bromomethane
Concen: 54.463 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 60978

Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.6	115.0

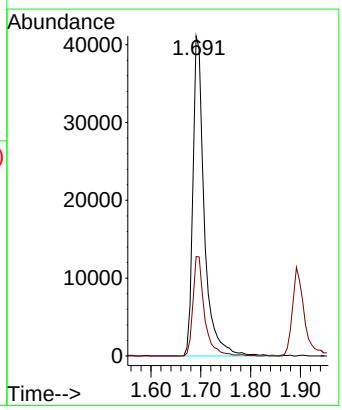


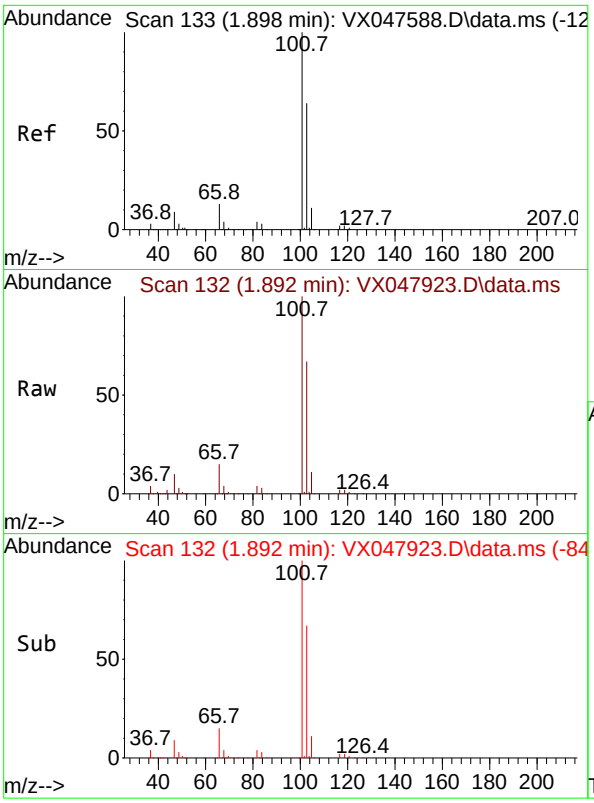


#6
Chloroethane
Concen: 55.314 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 64 Resp: 65276

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1



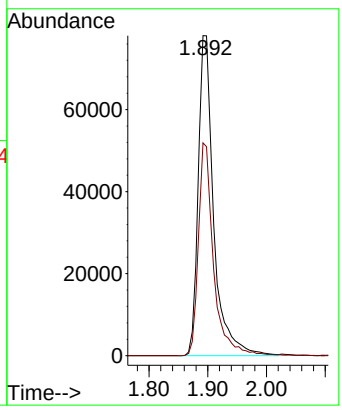


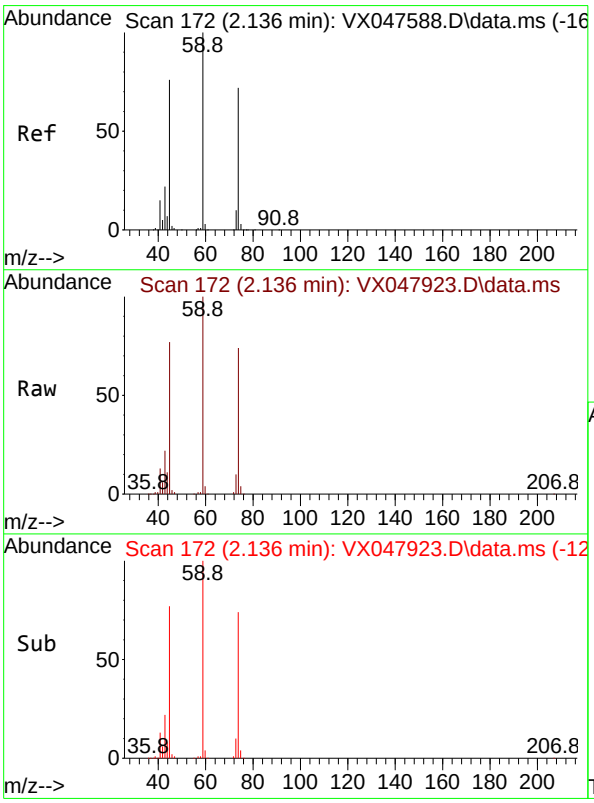
#7
Trichlorofluoromethane
Concen: 54.566 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 143051

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.4	77.2

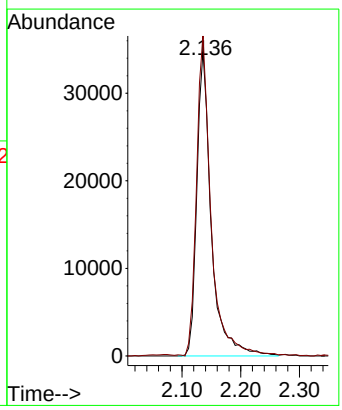


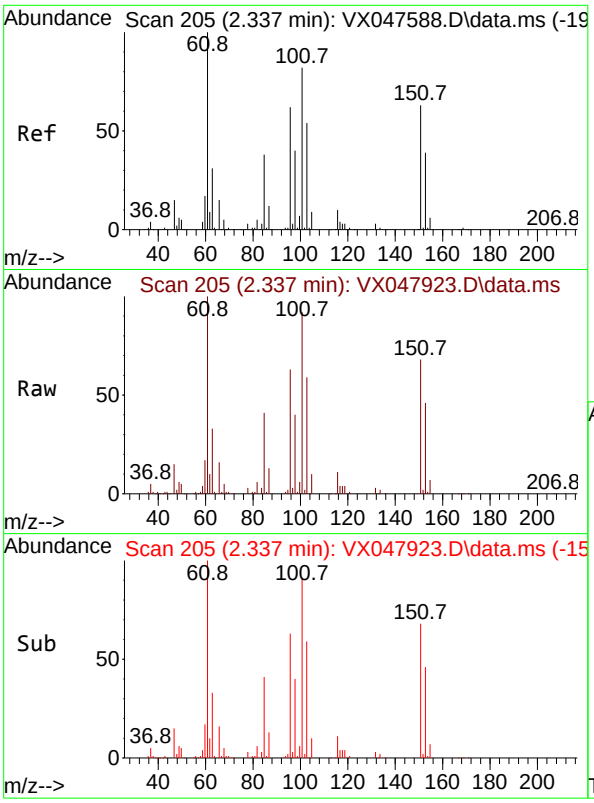


#8
Diethyl Ether
Concen: 55.414 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 74 Resp: 59427

Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.3	156.8



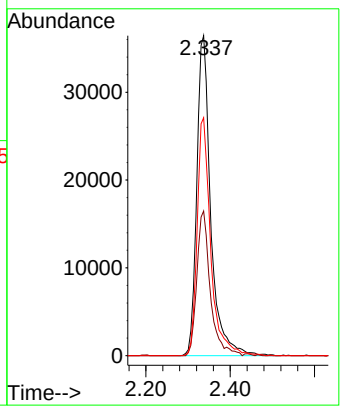


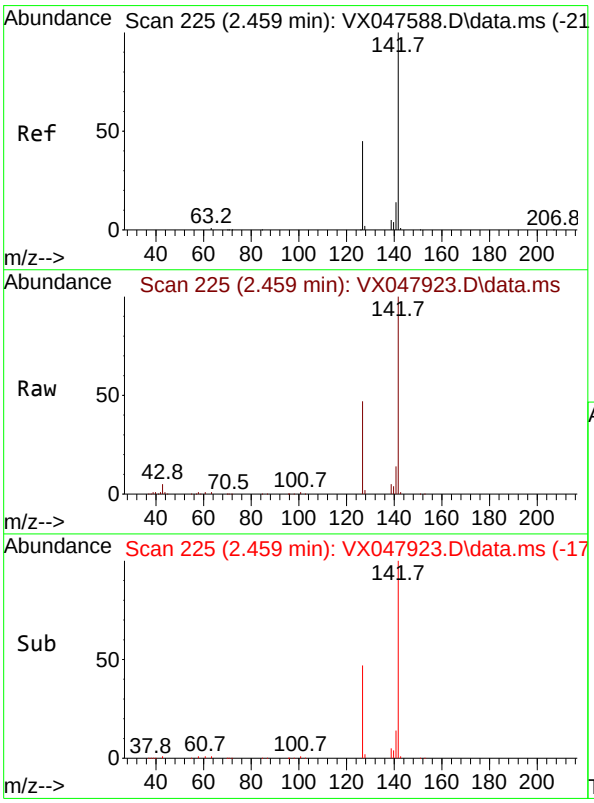
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 83865

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	72.7	59.4	89.0

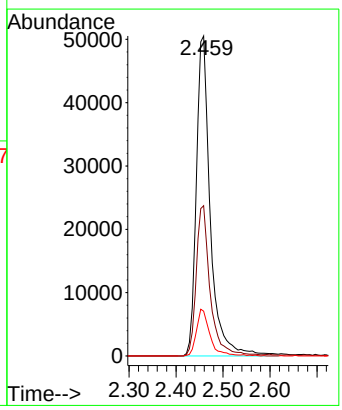


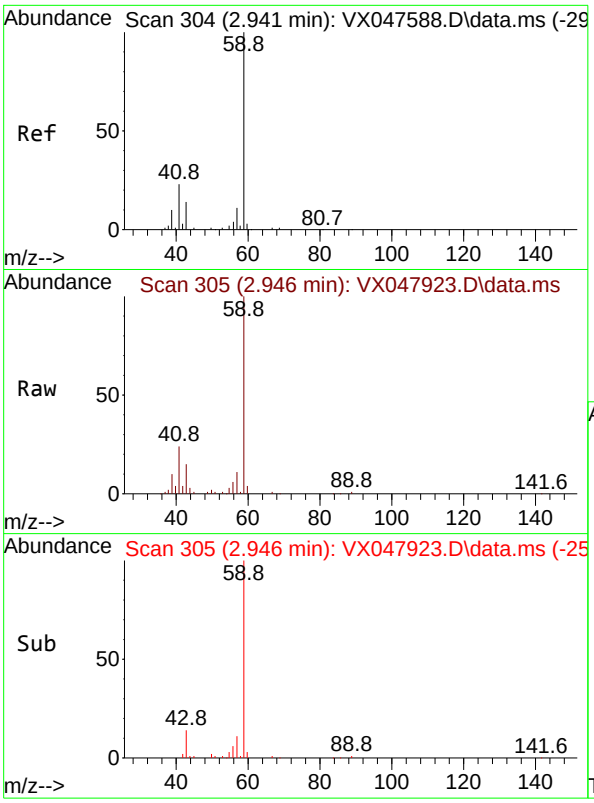


#10
Methyl Iodide
Concen: 43.794 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:142 Resp: 104700

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.2	11.4	17.0



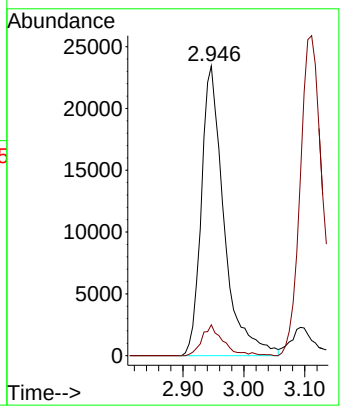


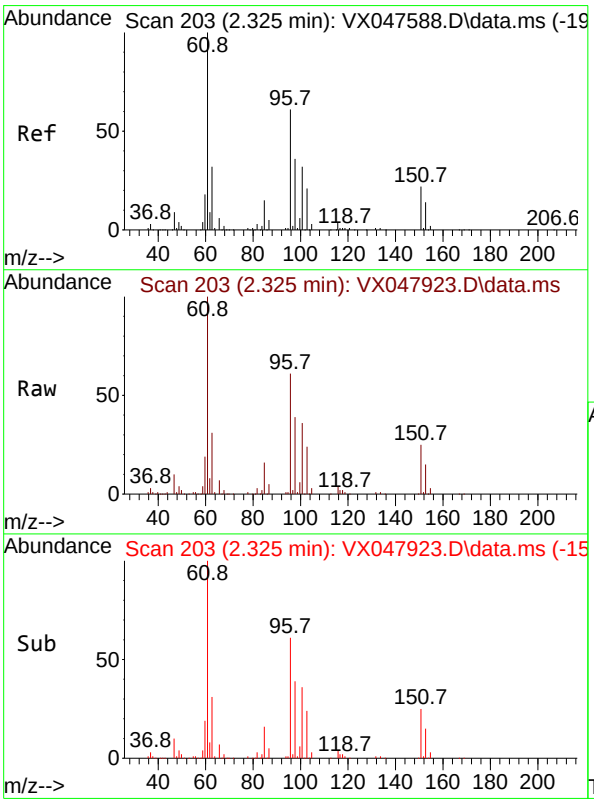
#11
Tert butyl alcohol
Concen: 258.604 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 60760

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

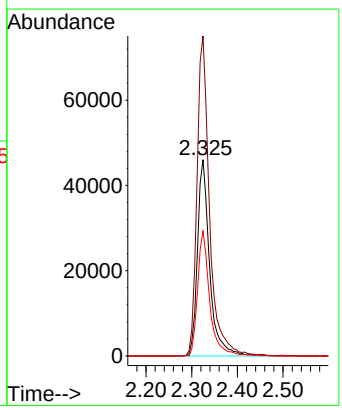


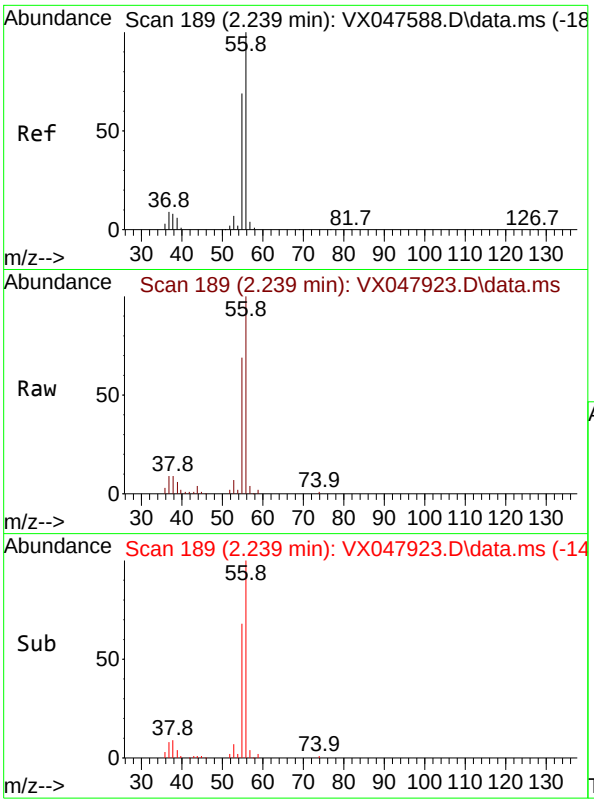


#12
1,1-Dichloroethene
Concen: 54.342 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 85570

Ion	Ratio	Lower	Upper
96	100		
61	163.1	131.0	196.6
98	63.6	47.7	71.5



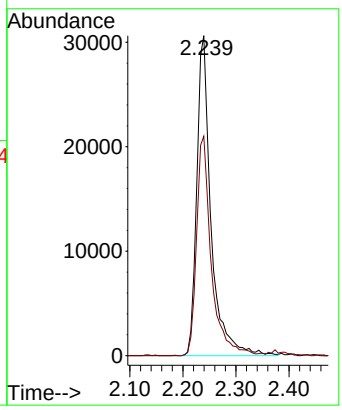


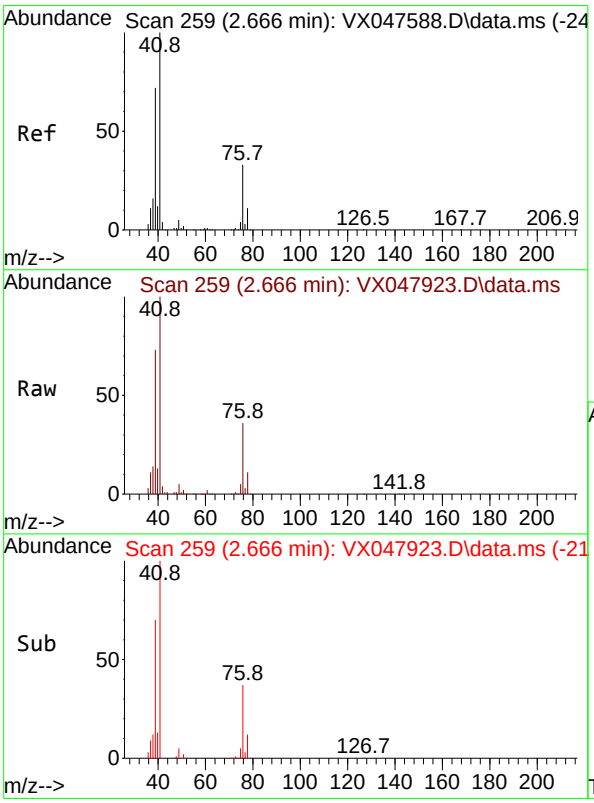
#13
Acrolein
Concen: 264.445 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 57256

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

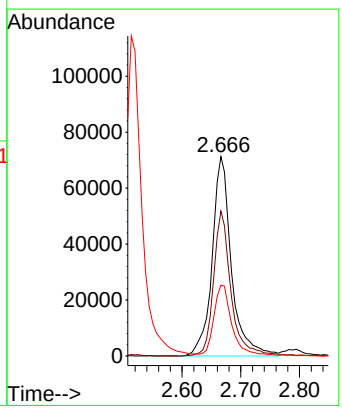


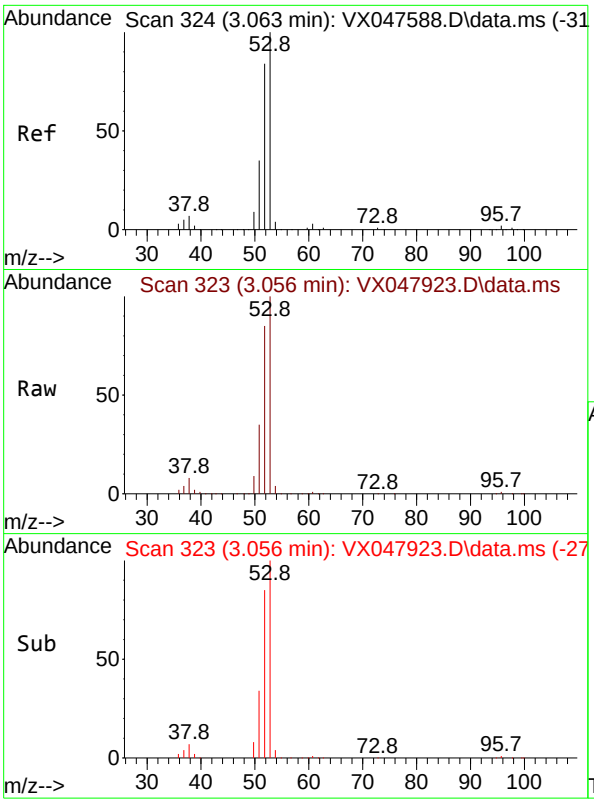


#14
Allyl chloride
Concen: 50.135 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 162904

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	32.5	25.7	38.5



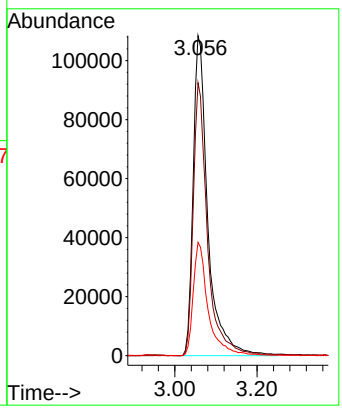


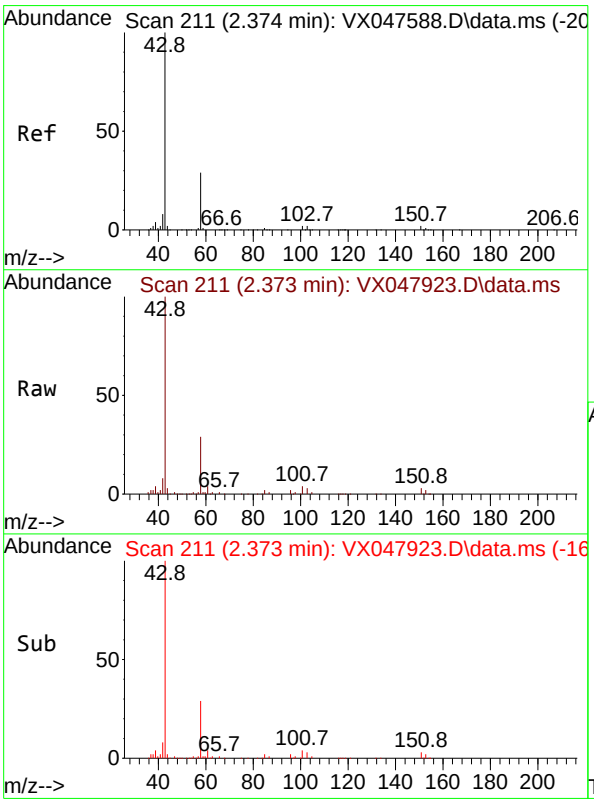
#15
Acrylonitrile
Concen: 308.592 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 268563

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.3	29.5	44.3

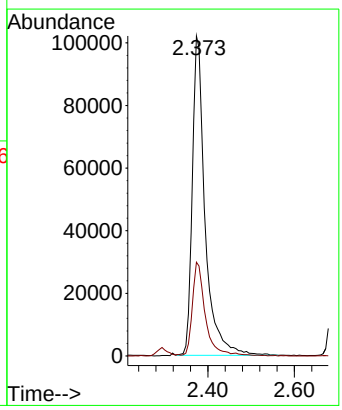


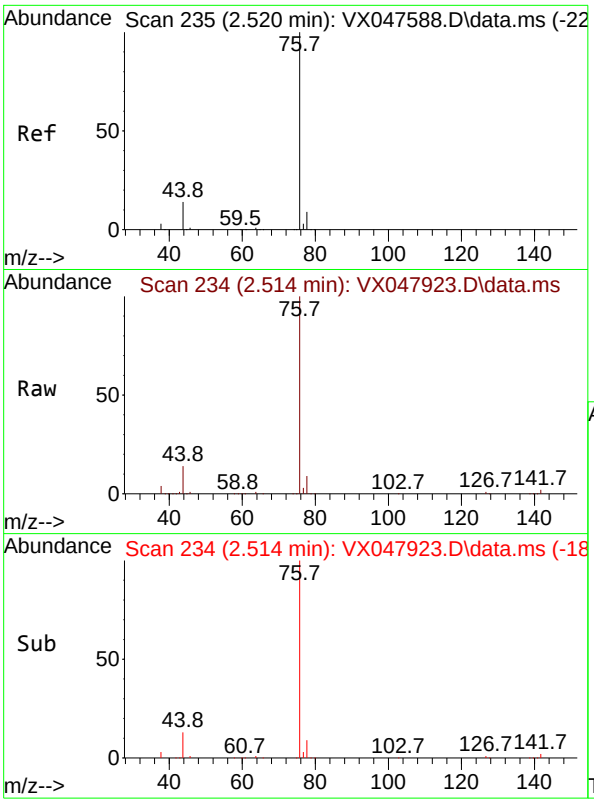


#16
Acetone
Concen: 227.831 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 208981

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



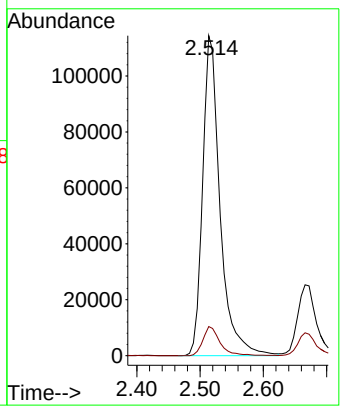


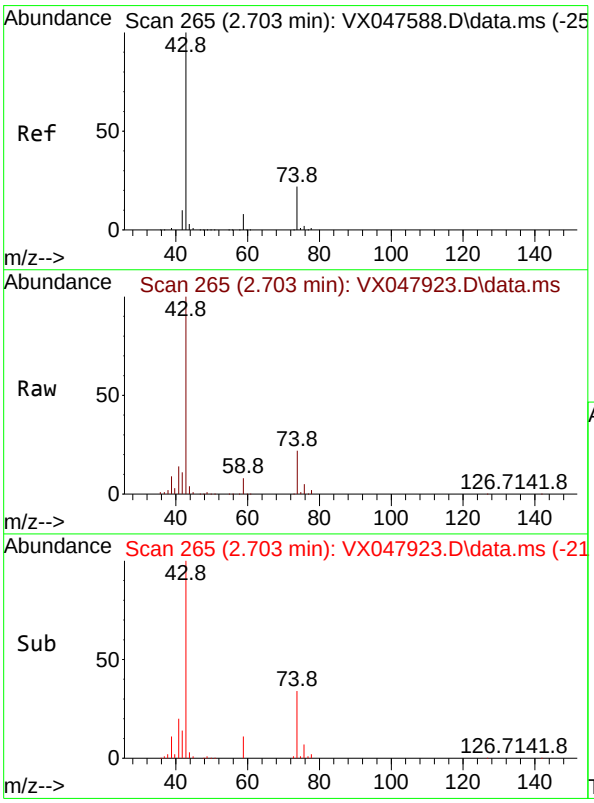
#17
Carbon Disulfide
Concen: 50.887 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 219361

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

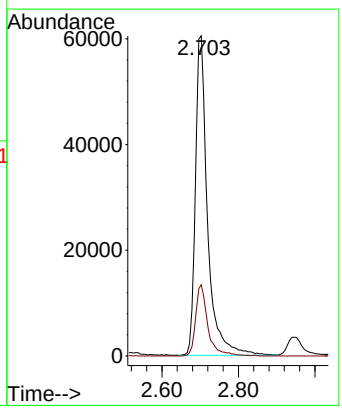


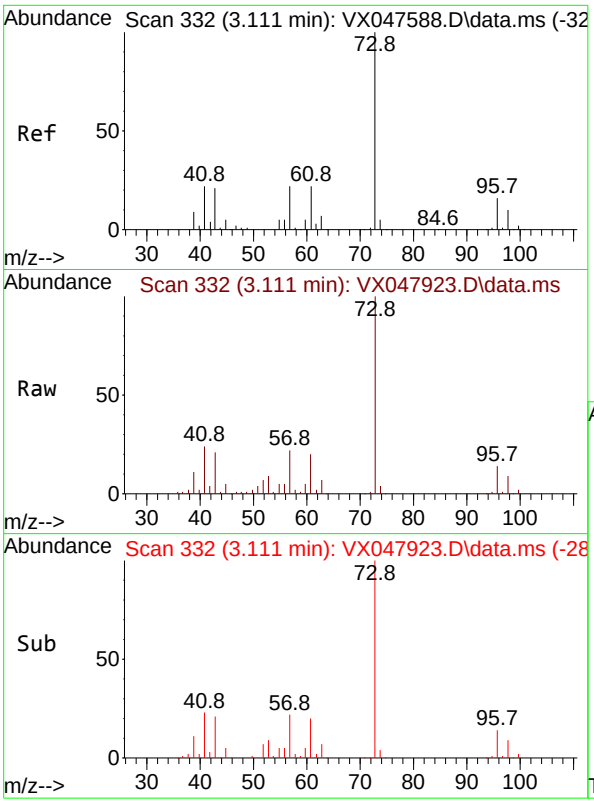


#18
Methyl Acetate
Concen: 65.067 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 132826

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



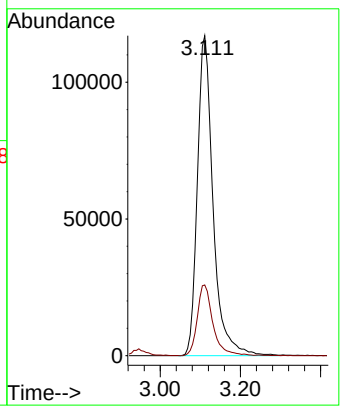


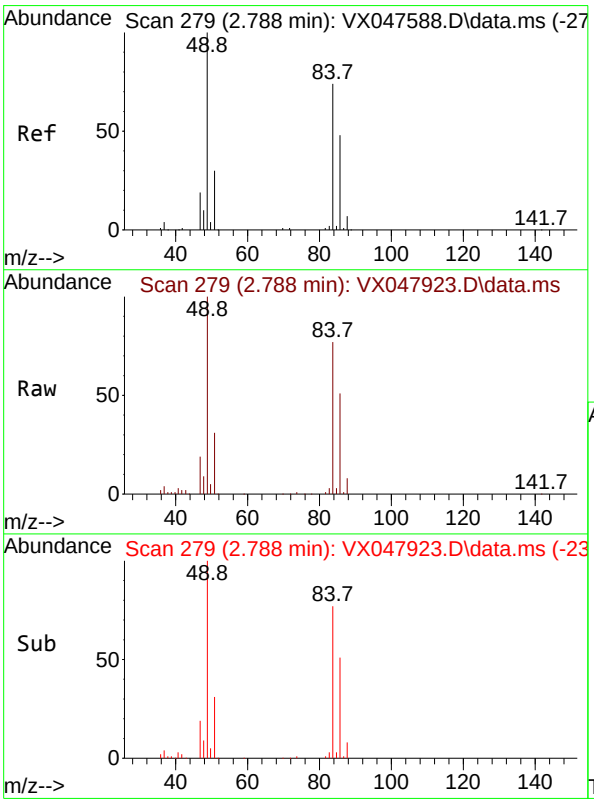
#19
Methyl tert-butyl Ether
Concen: 55.306 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 317909

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

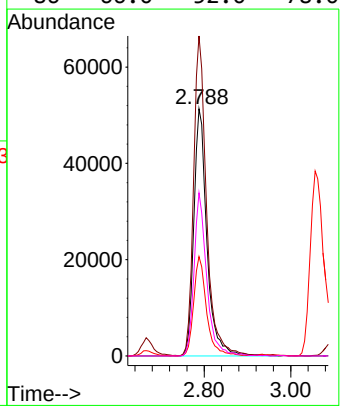


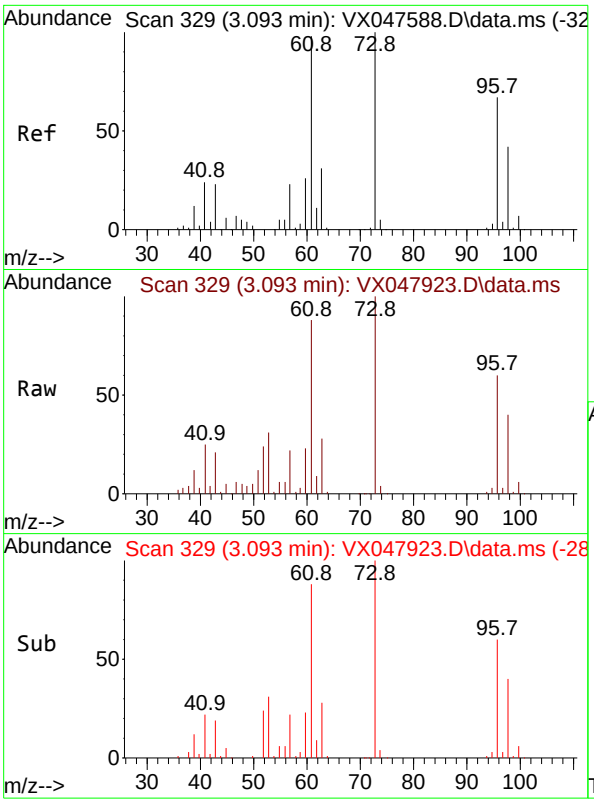


#20
Methylene Chloride
Concen: 55.546 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 84 Resp: 107848

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	40.2	32.6	48.8
86	66.0	52.0	78.0



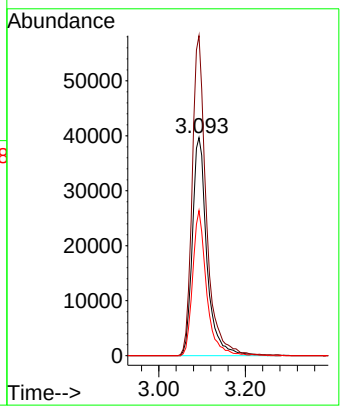


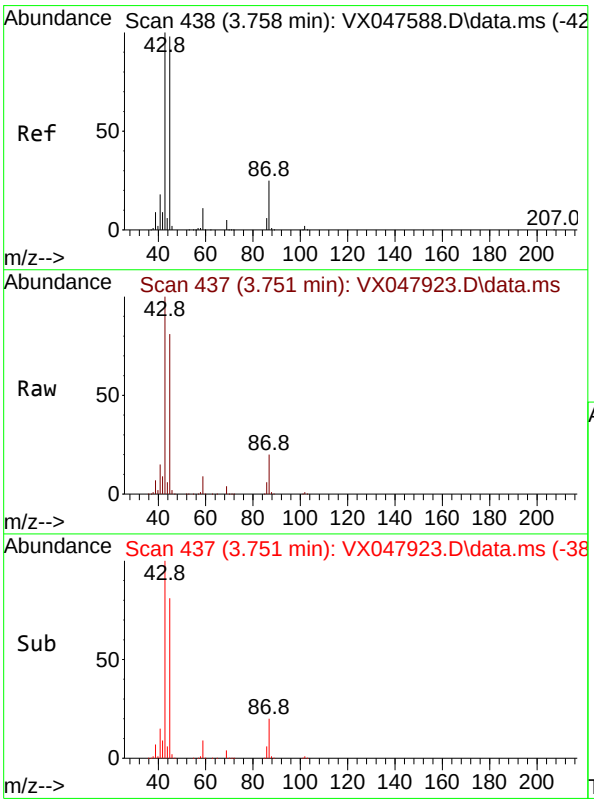
#21
trans-1,2-Dichloroethene
Concen: 54.552 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 92481

Ion	Ratio	Lower	Upper
96	100		
61	146.8	116.2	174.2
98	66.6	49.3	73.9

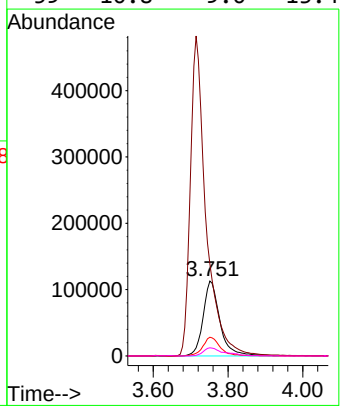


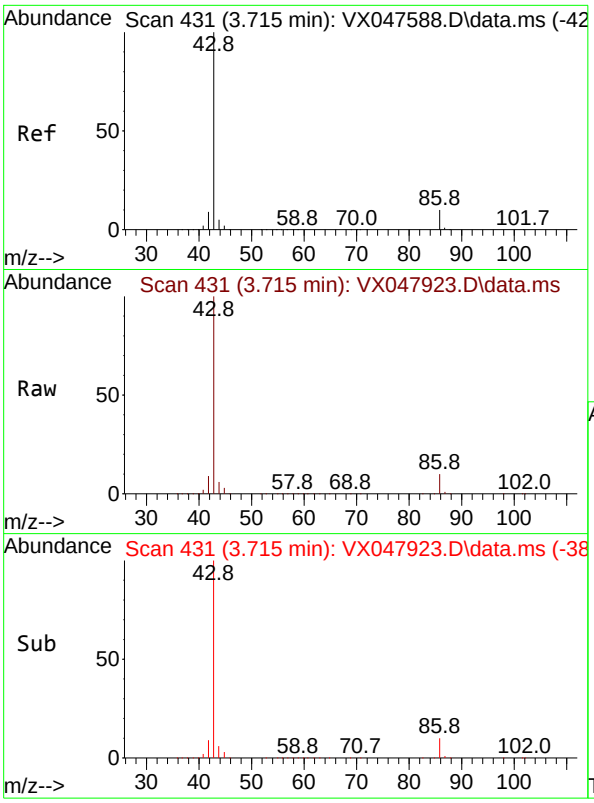


#22
Diisopropyl ether
Concen: 55.966 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 45 Resp: 352433

Ion	Ratio	Lower	Upper
45	100		
43	121.9	81.0	121.4#
87	25.0	20.3	30.5
59	10.8	9.0	13.4



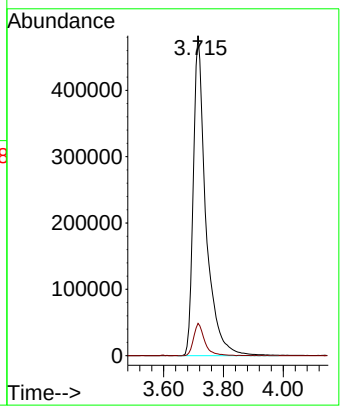


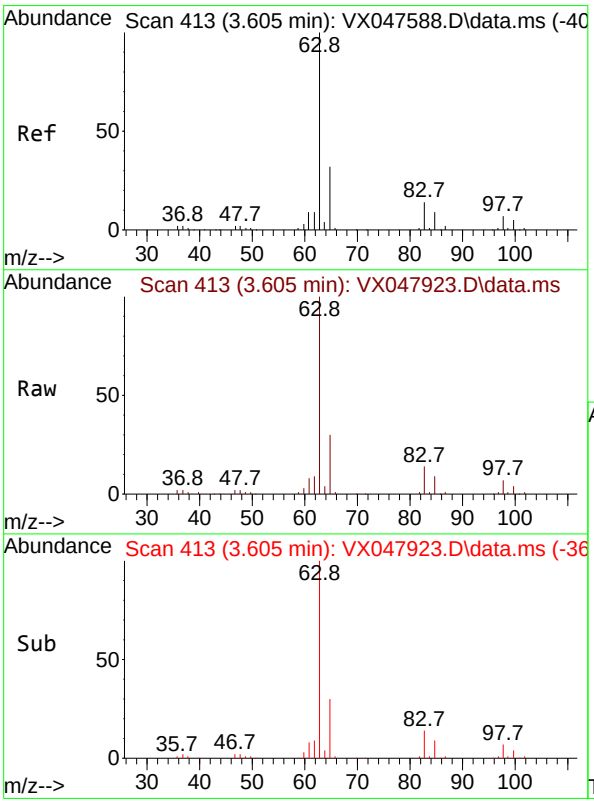
#23
Vinyl Acetate
Concen: 280.091 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1411660

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

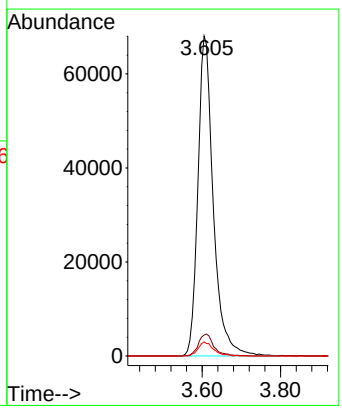


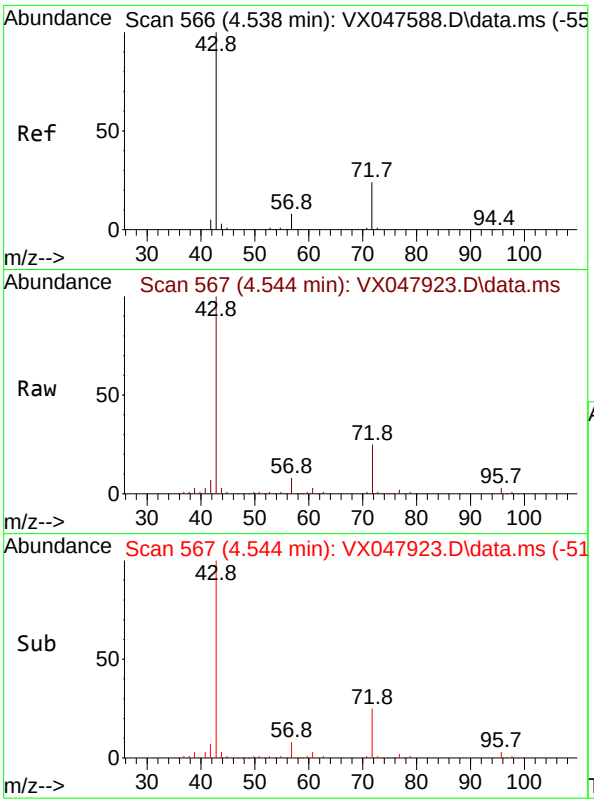


#24
1,1-Dichloroethane
Concen: 55.634 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 186212

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.4	2.3	6.9



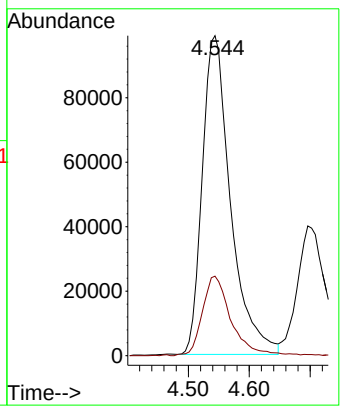


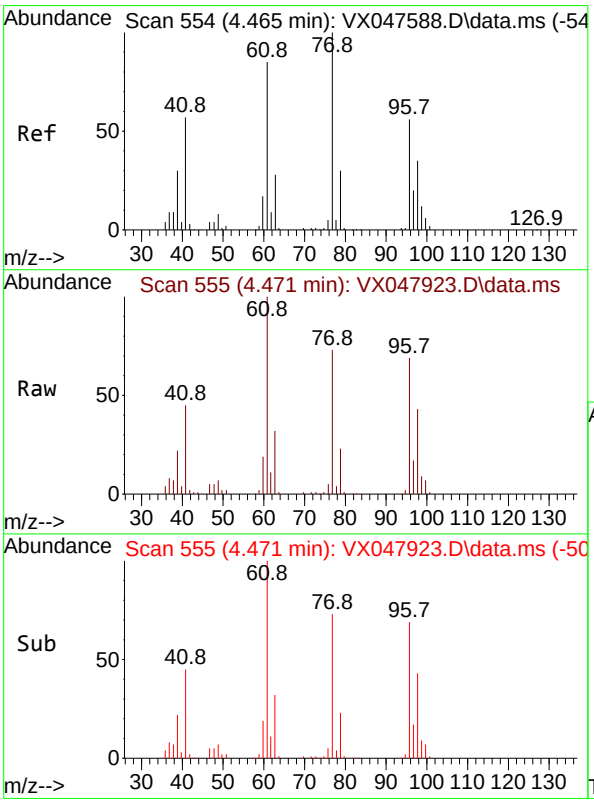
#25
2-Butanone
Concen: 279.147 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 319392

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

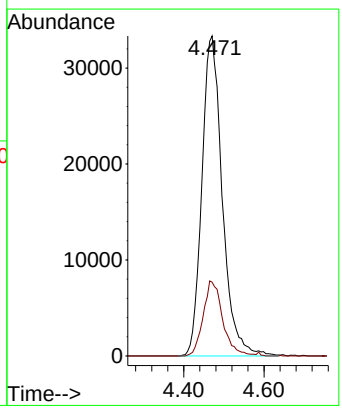


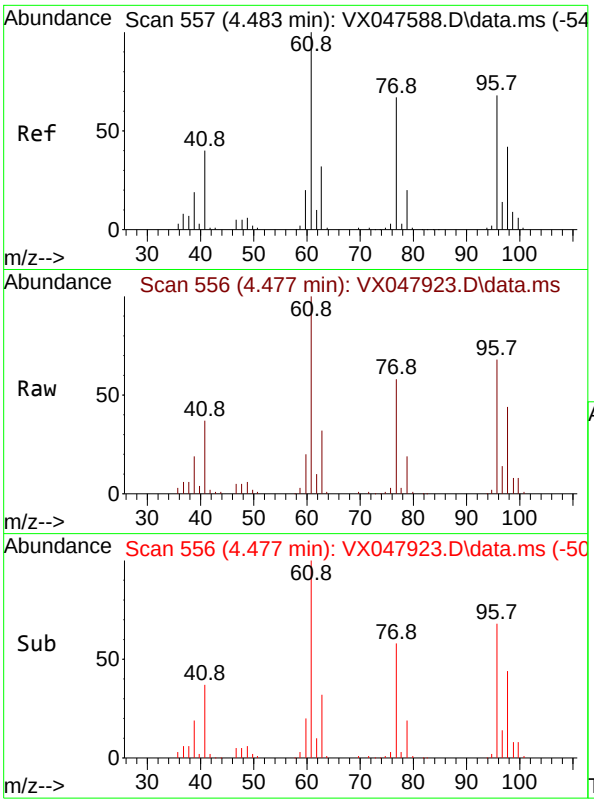


#26
2,2-Dichloropropane
Concen: 42.330 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 77 Resp: 117774

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



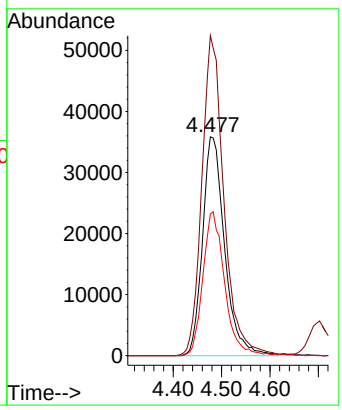


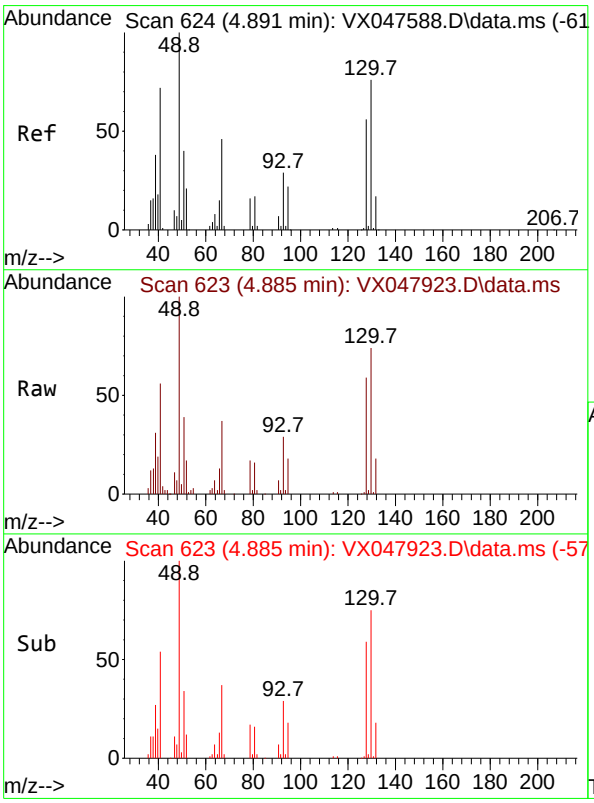
#27
cis-1,2-Dichloroethene
Concen: 54.761 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 113694

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	303.2
98	64.9	0.0	127.8

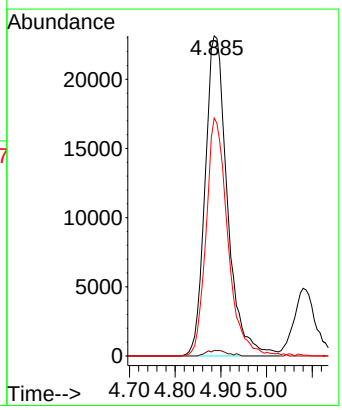


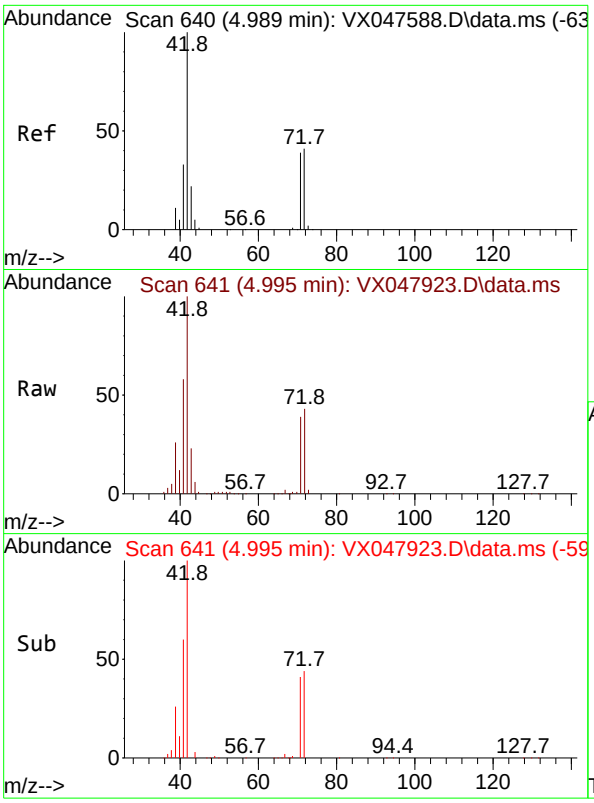


#28
Bromochloromethane
Concen: 53.604 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 49 Resp: 78327

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.5	57.8	86.8



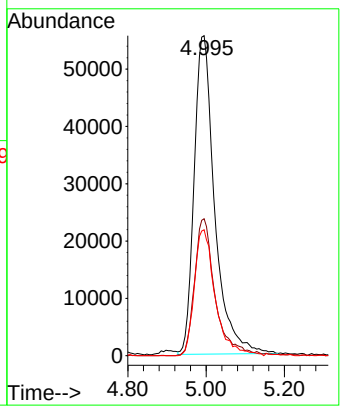


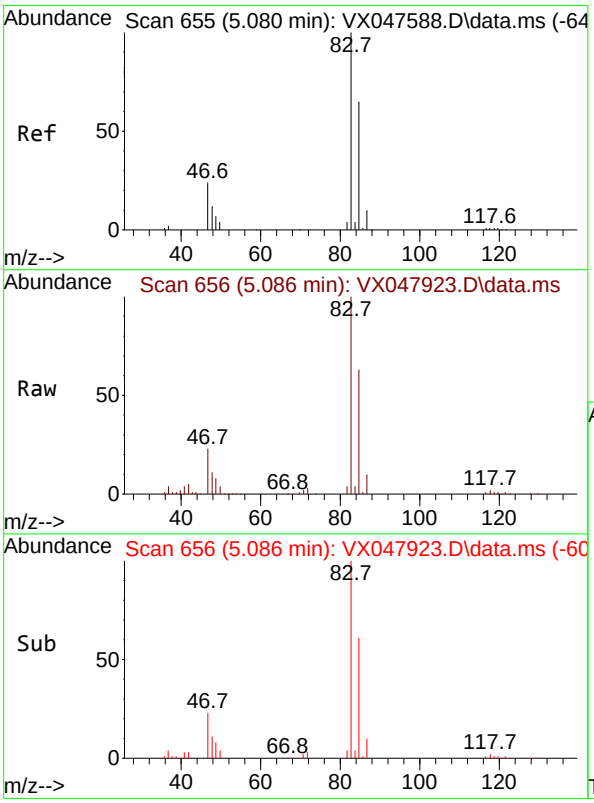
#29
Tetrahydrofuran
Concen: 294.905 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 202985

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	40.0	31.9	47.9

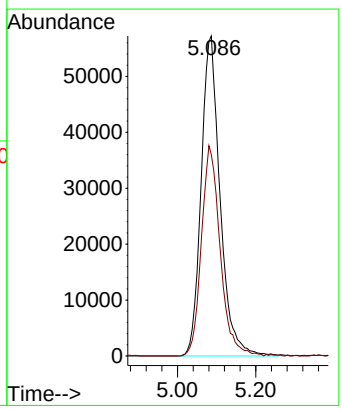


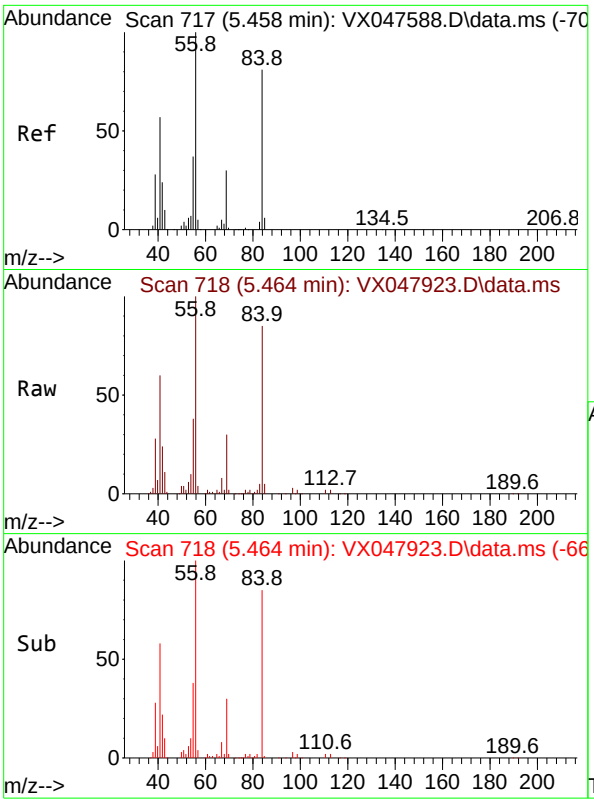


#30
Chloroform
Concen: 56.689 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 191739

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6



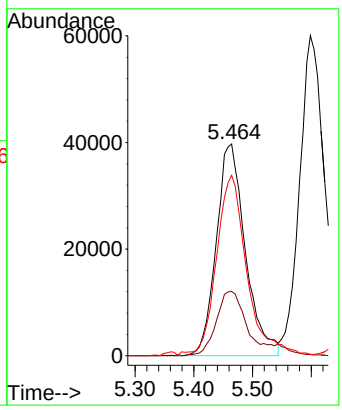


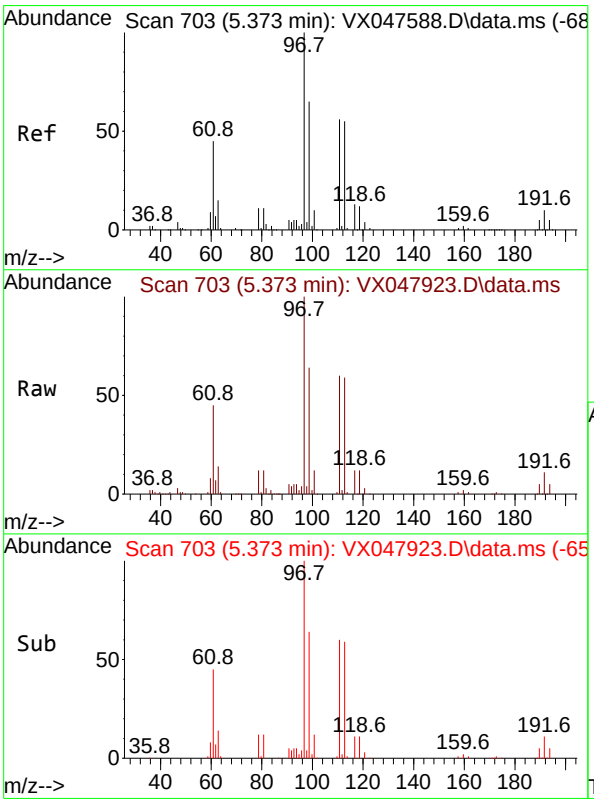
#31
Cyclohexane
Concen: 49.011 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 136628

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	85.0	64.6	97.0

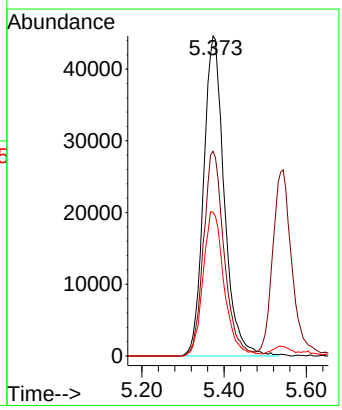


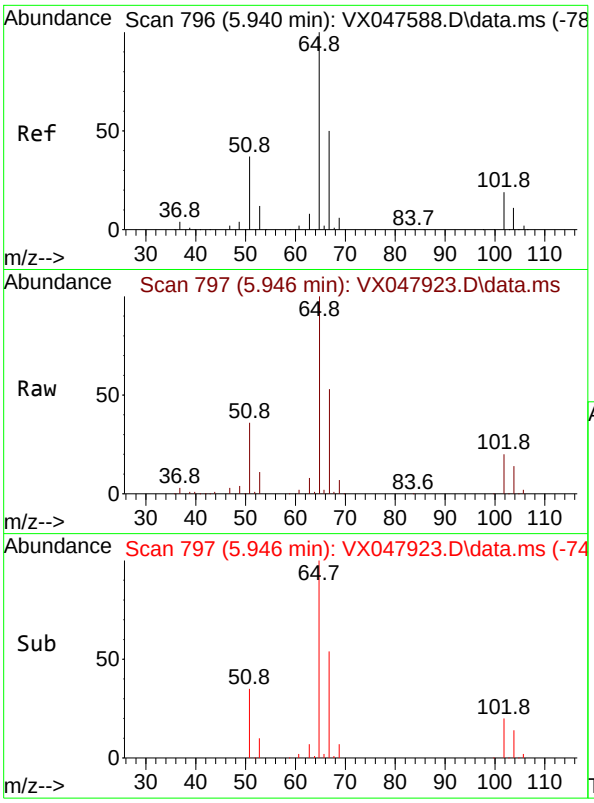


#32
1,1,1-Trichloroethane
Concen: 54.189 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 97 Resp: 155464

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	46.0	35.8	53.8



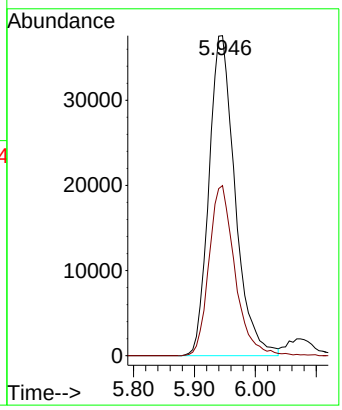


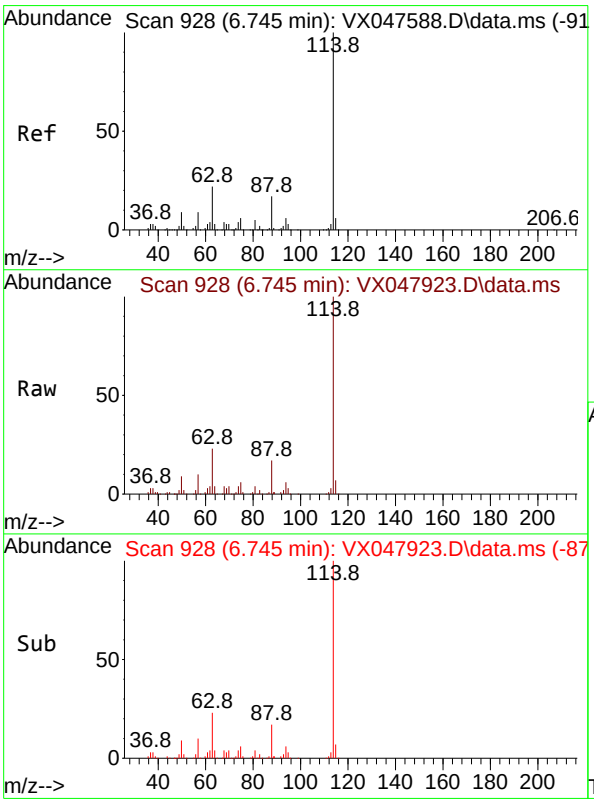
#33
1,2-Dichloroethane-d4
Concen: 53.045 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 111905

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.0

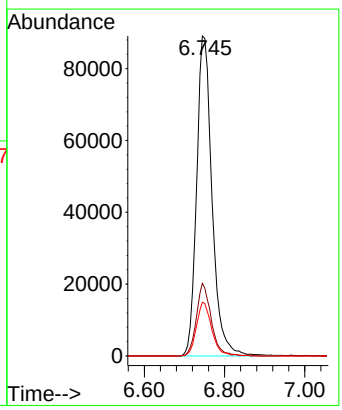


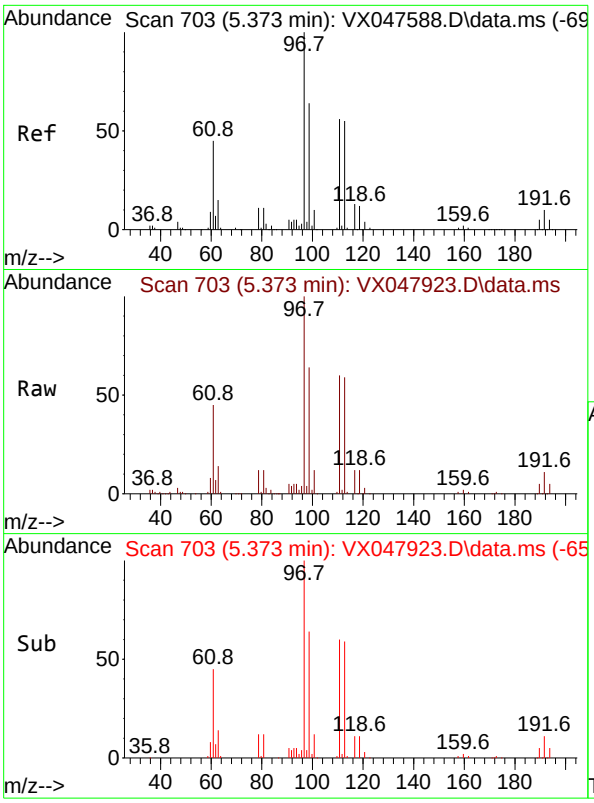


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:114 Resp: 238365

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.8	0.0	34.2



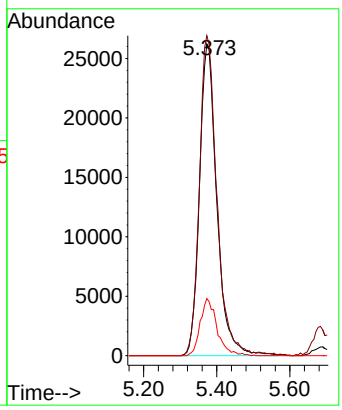


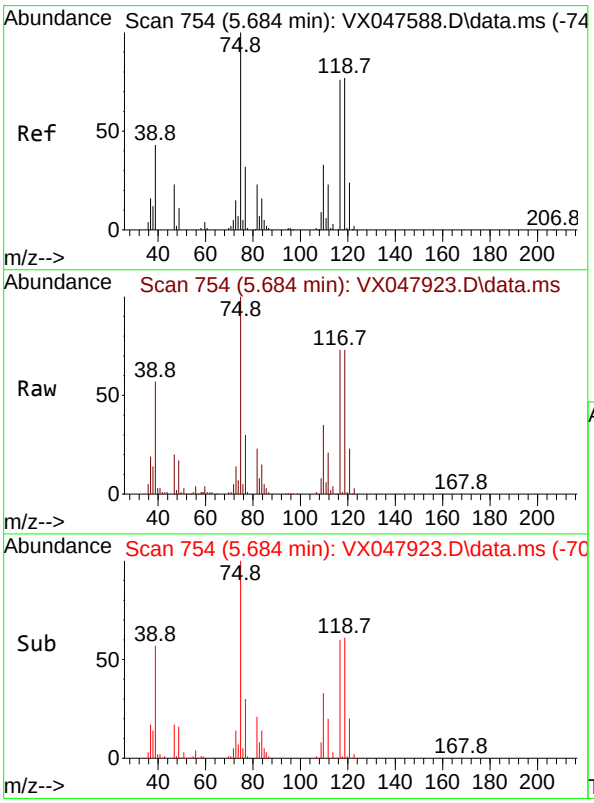
#35
Dibromofluoromethane
Concen: 54.153 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 86570

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.7	14.2	21.4

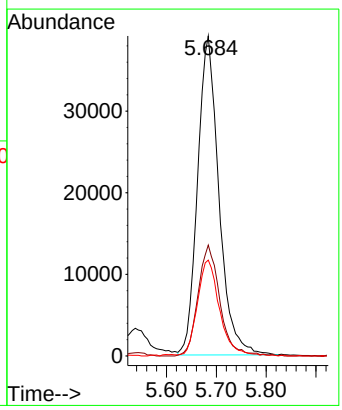


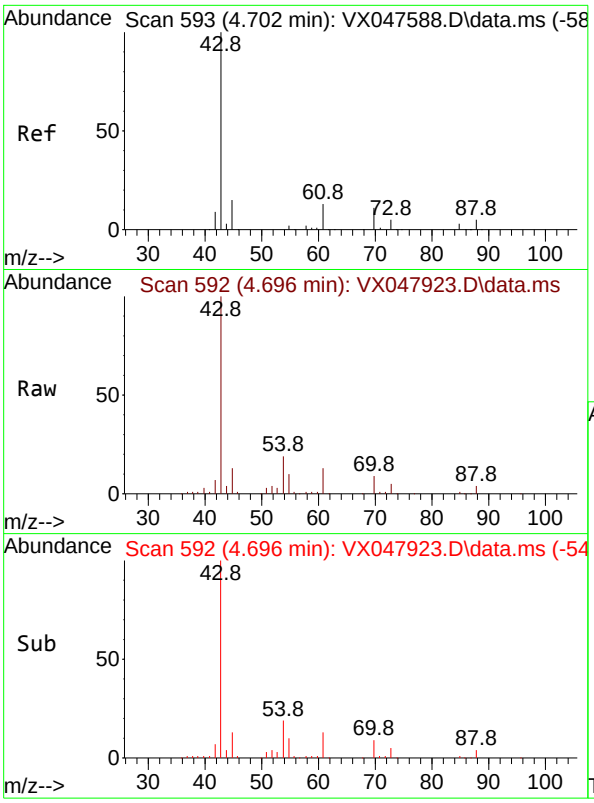


#36
1,1-Dichloropropene
Concen: 49.637 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 115949

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.1
77	31.2	24.3	36.5



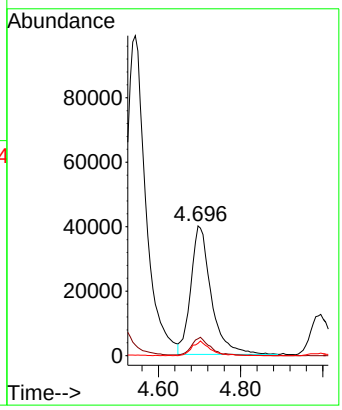


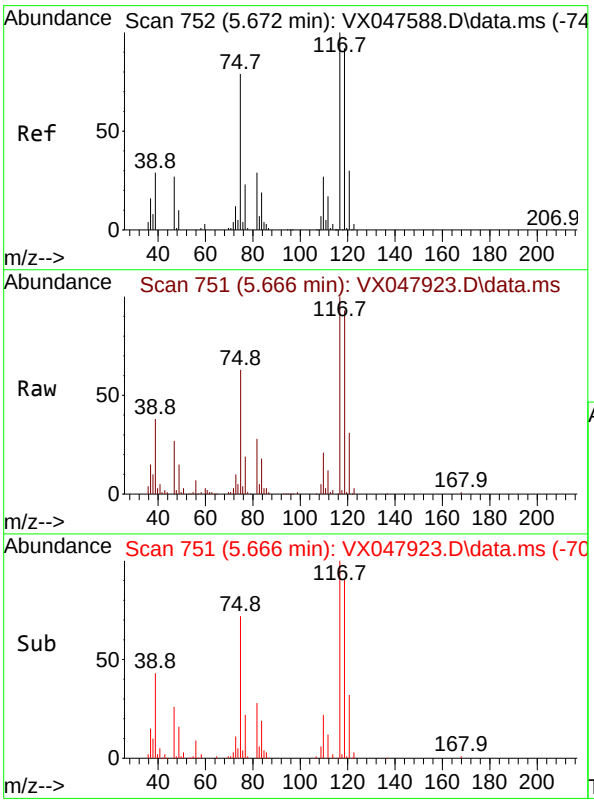
#37
Ethyl Acetate
Concen: 54.746 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 136927

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.1	7.9	11.9

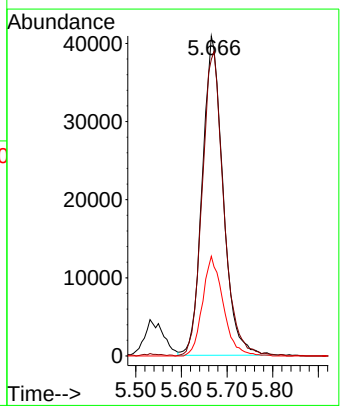


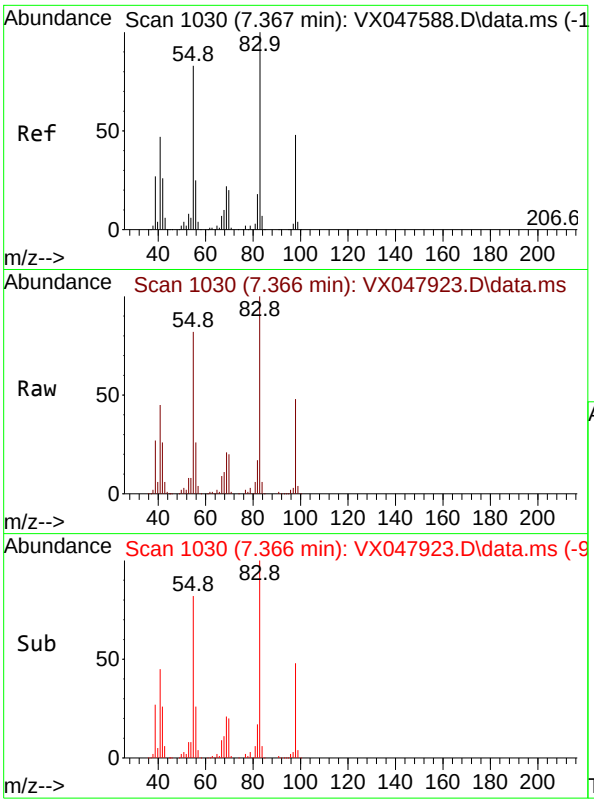


#38
Carbon Tetrachloride
Concen: 50.785 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 128895

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	31.2	23.8	35.6



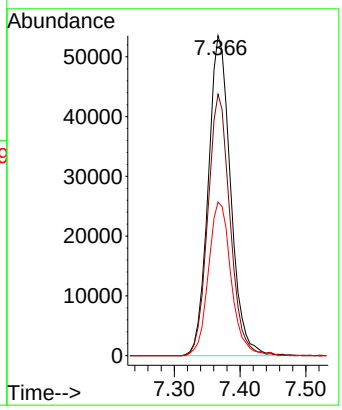


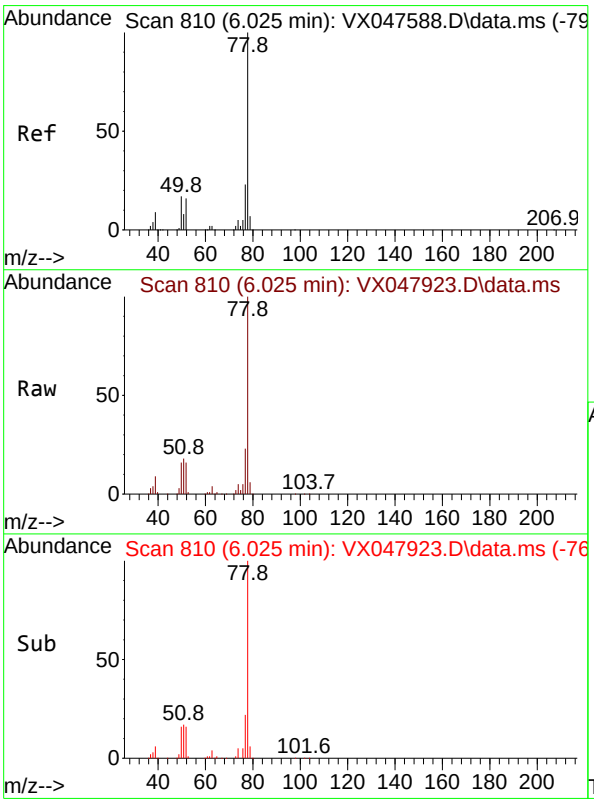
#39
Methylcyclohexane
Concen: 47.806 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 126763

Ion	Ratio	Lower	Upper
83	100		
55	81.7	66.4	99.6
98	48.0	38.1	57.1

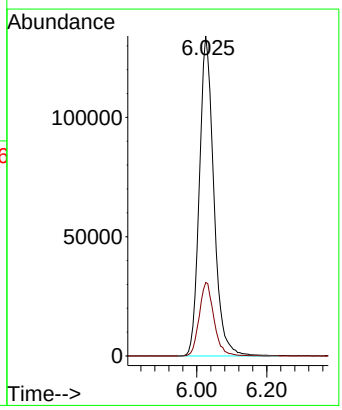


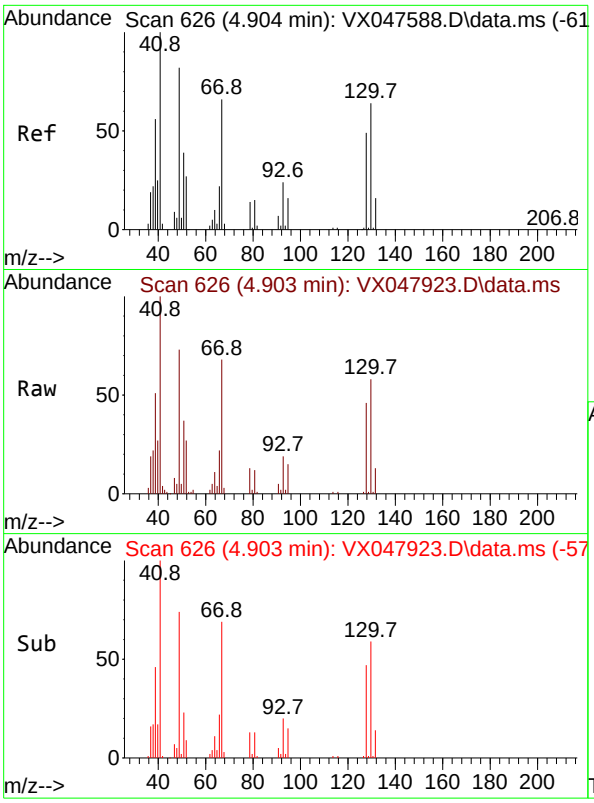


#40
Benzene
Concen: 54.213 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 78 Resp: 384636

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



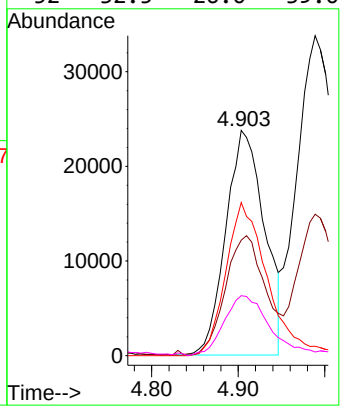


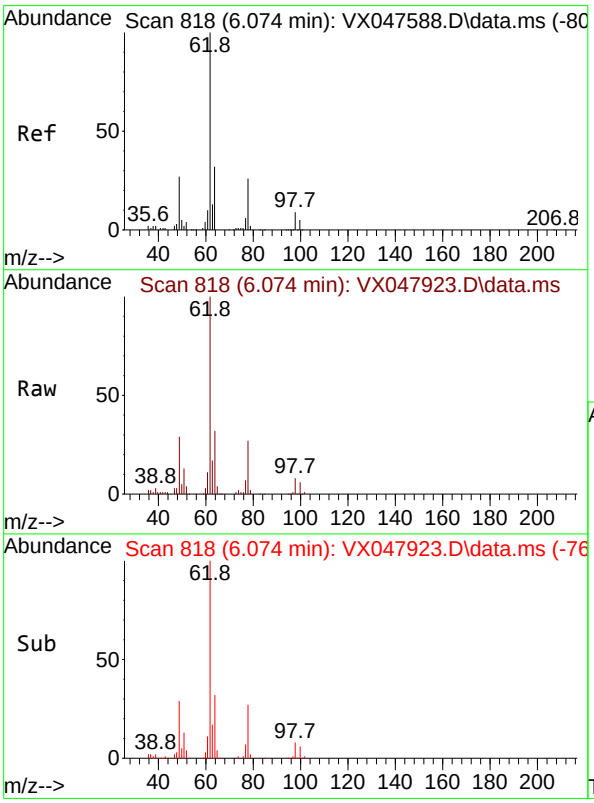
#41
Methacrylonitrile
Concen: 57.078 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 73700

Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	74.9	58.6	87.8
52	32.5	26.0	39.0

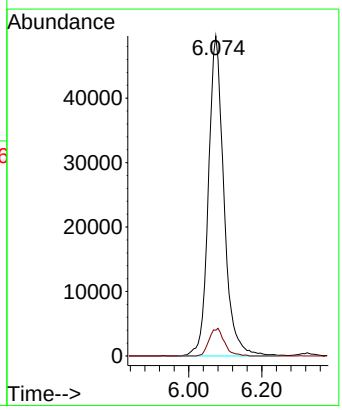


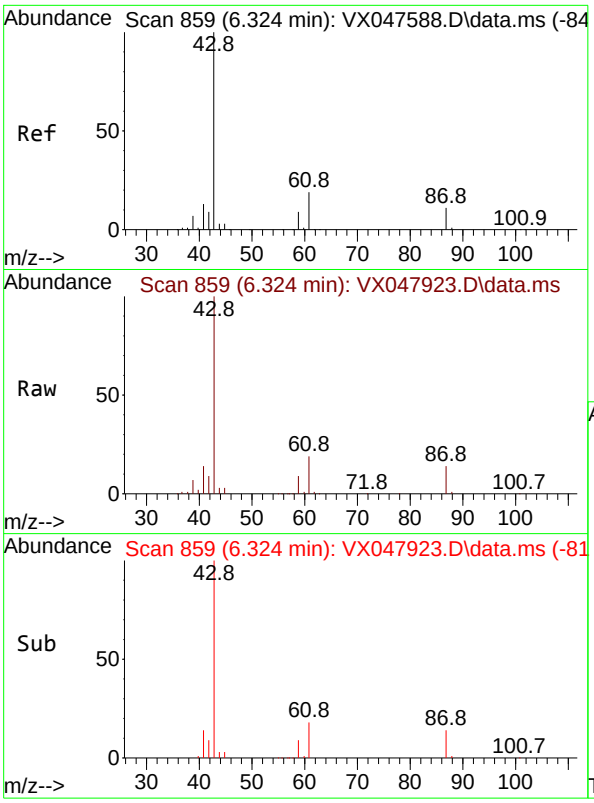


#42
1,2-Dichloroethane
Concen: 54.079 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 145986

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



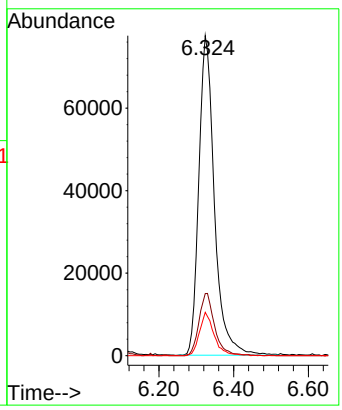


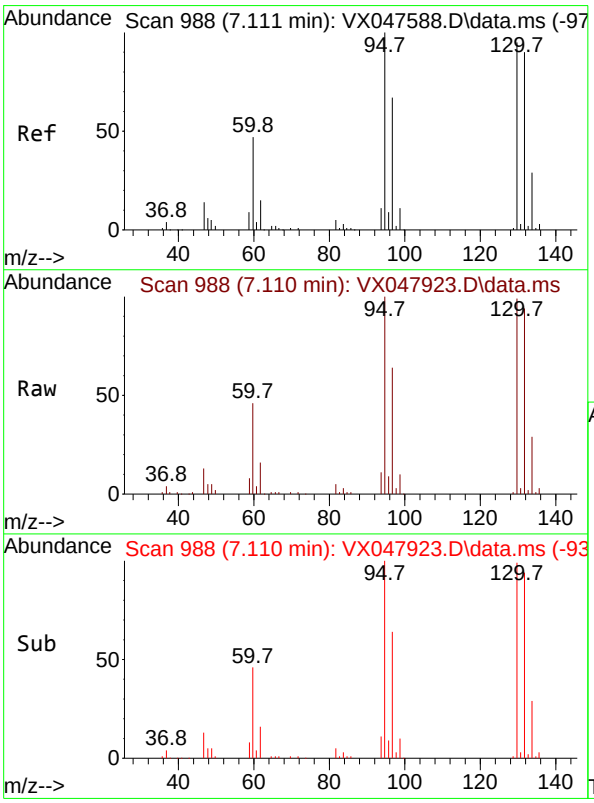
#43
Isopropyl Acetate
Concen: 54.708 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 224413

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.7	9.6	14.4

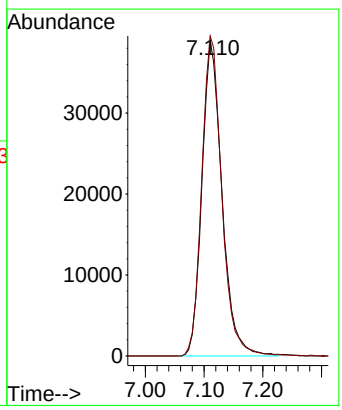


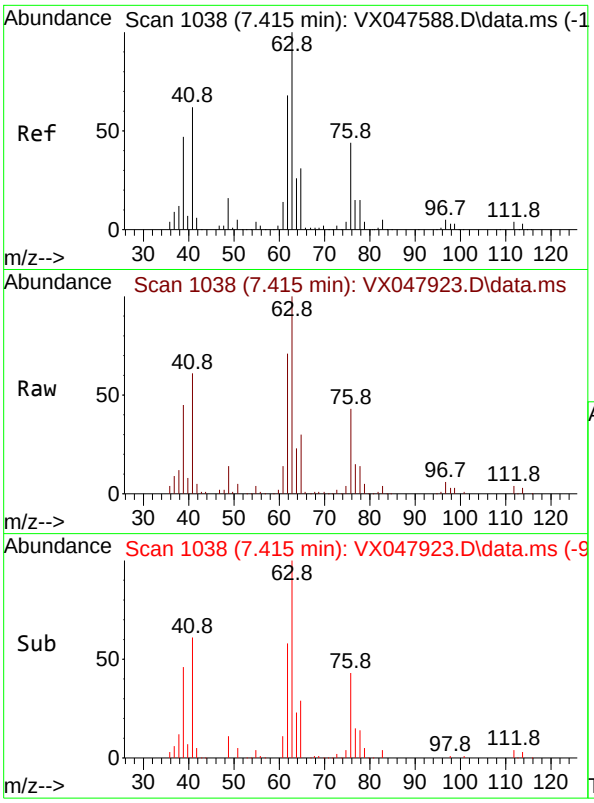


#44
Trichloroethene
Concen: 53.847 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:130 Resp: 92363

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8



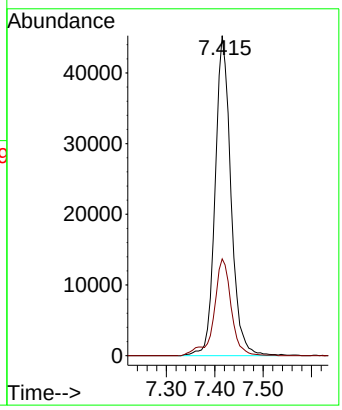


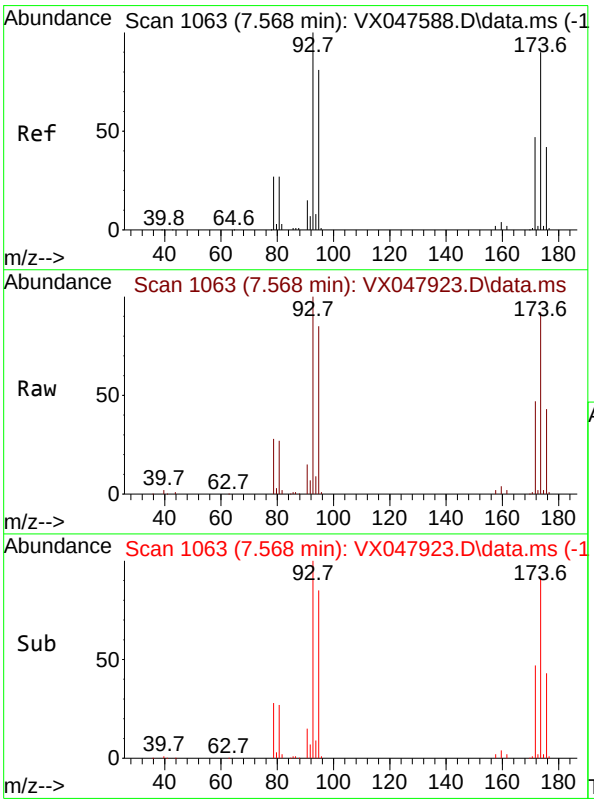
#45
1,2-Dichloropropane
Concen: 56.471 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 102592

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

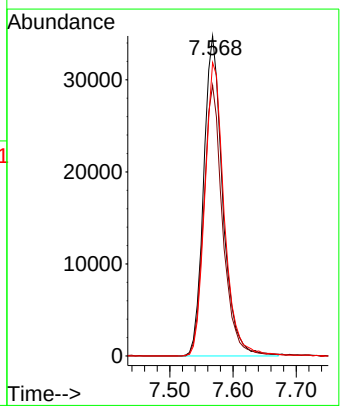


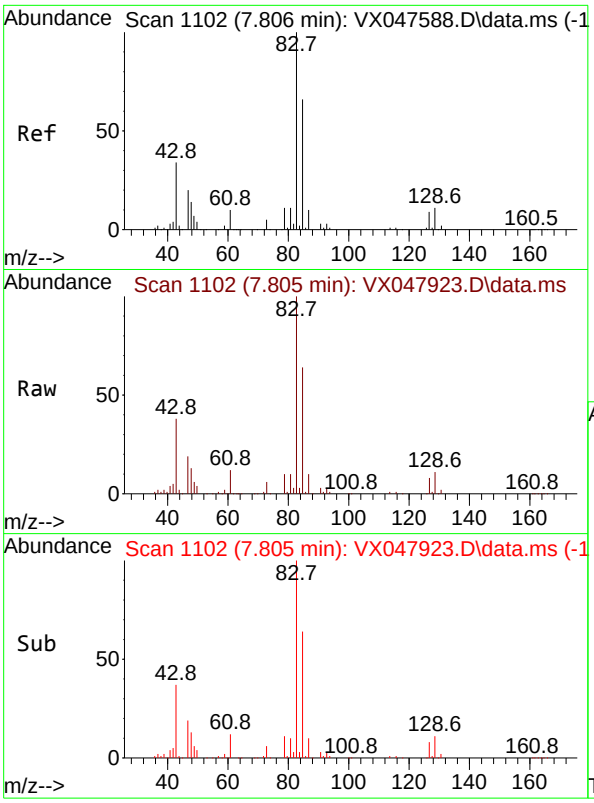


#46
Dibromomethane
Concen: 55.099 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 93 Resp: 72842

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.0	97.6
174	93.5	71.6	107.4



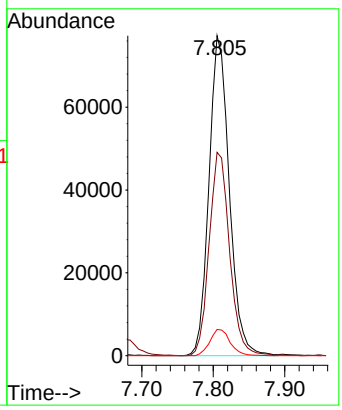


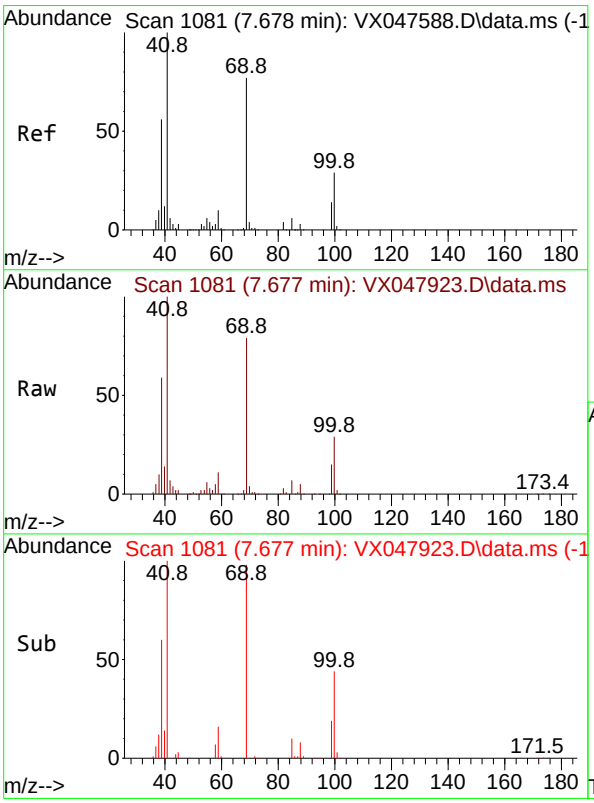
#47
Bromodichloromethane
Concen: 55.883 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 152453

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

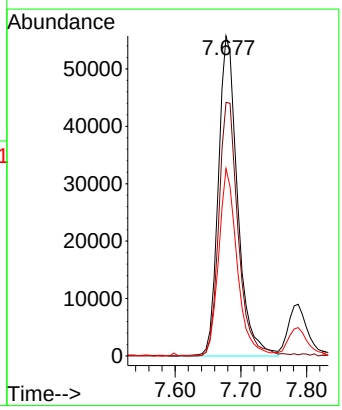


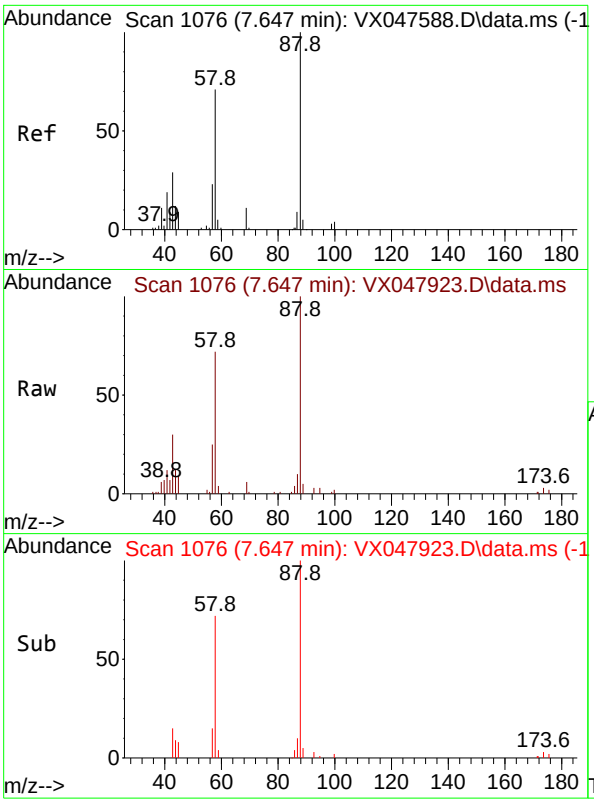


#48
Methyl methacrylate
Concen: 55.472 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 113343

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.3	45.8	68.6



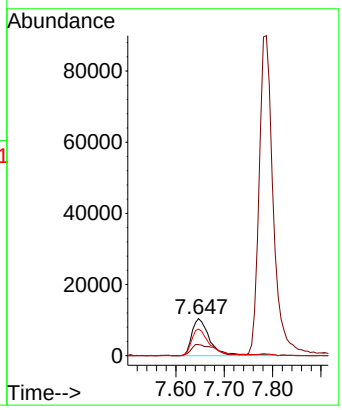


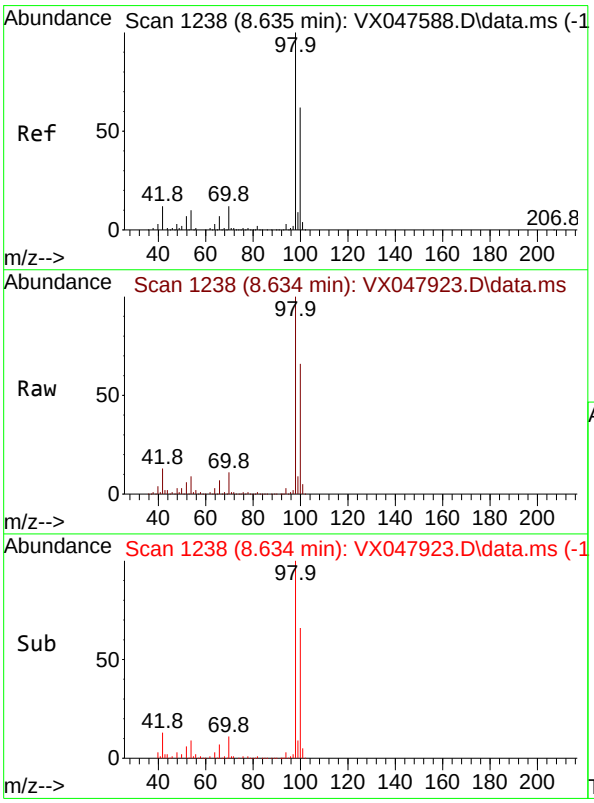
#49
1,4-Dioxane
Concen: 1305.423 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26956

Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.2	45.2
58	71.8	59.5	89.3

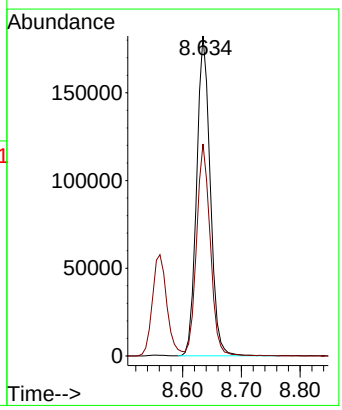


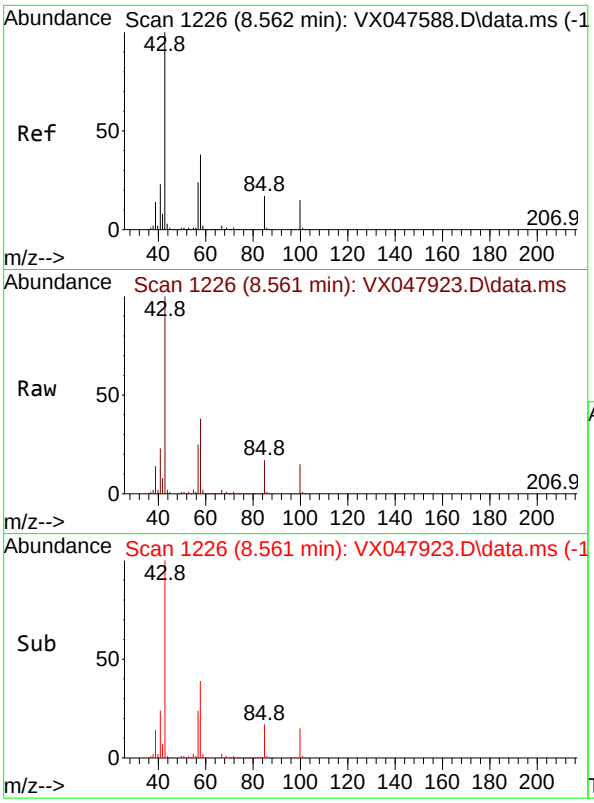


#50
Toluene-d8
Concen: 53.040 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 98 Resp: 293390

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4



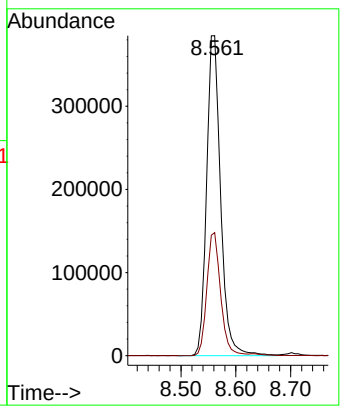


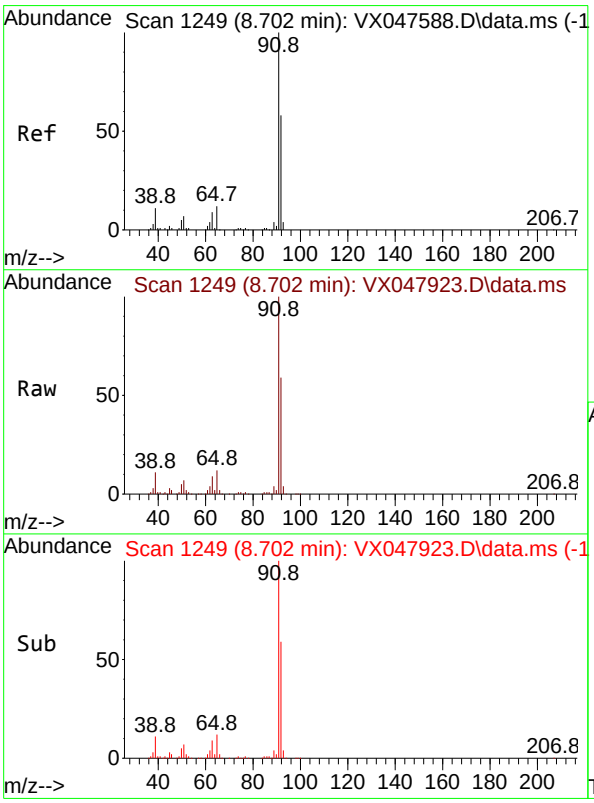
#51
4-Methyl-2-Pentanone
Concen: 298.935 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 679876

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

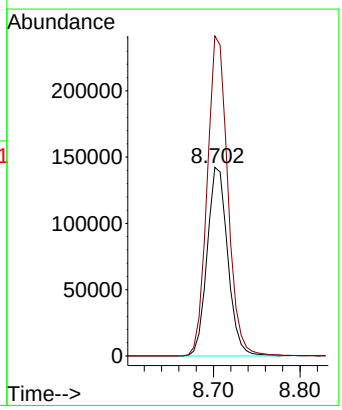


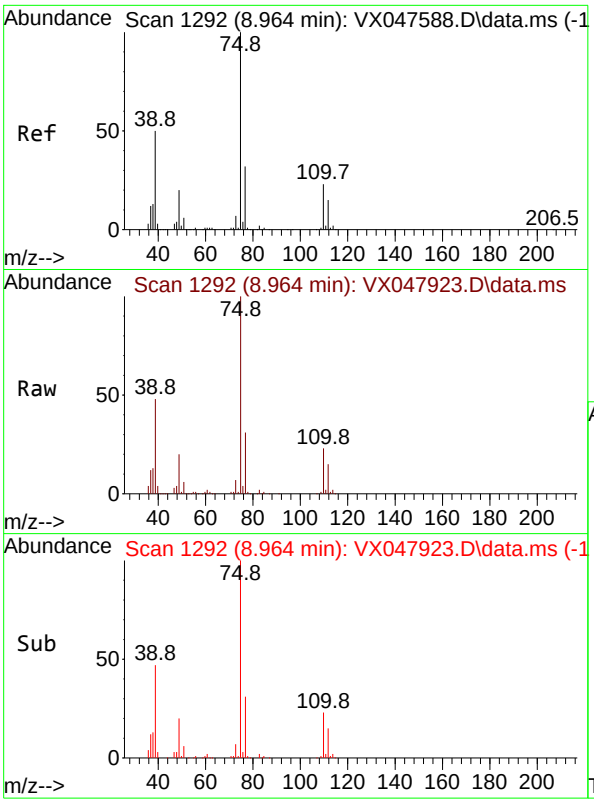


#52
Toluene
Concen: 53.729 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 92 Resp: 234858

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7



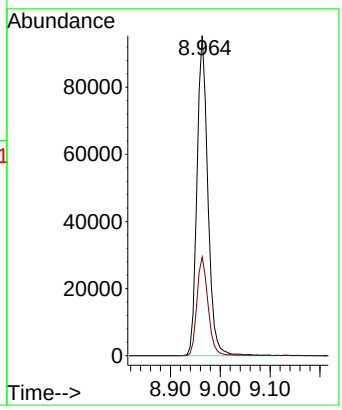


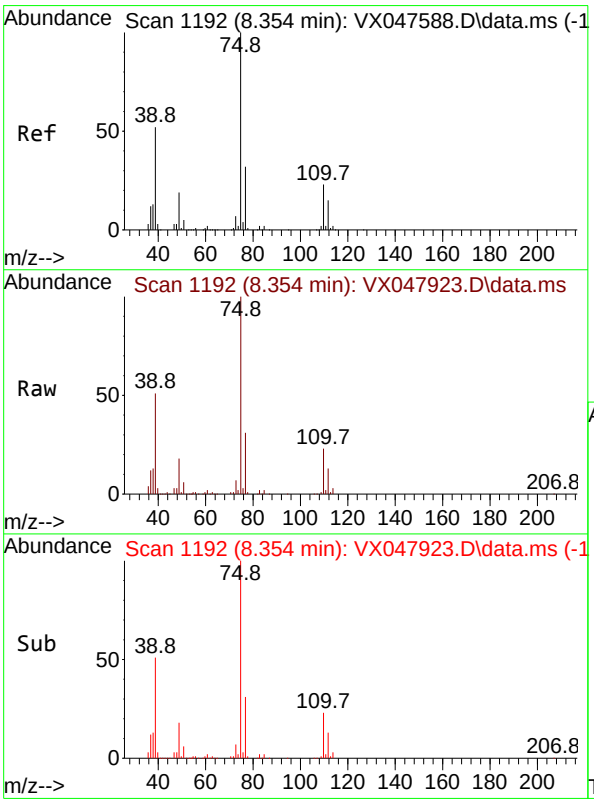
#53
t-1,3-Dichloropropene
Concen: 52.010 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 144726

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2

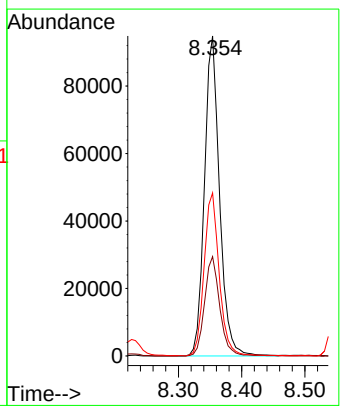


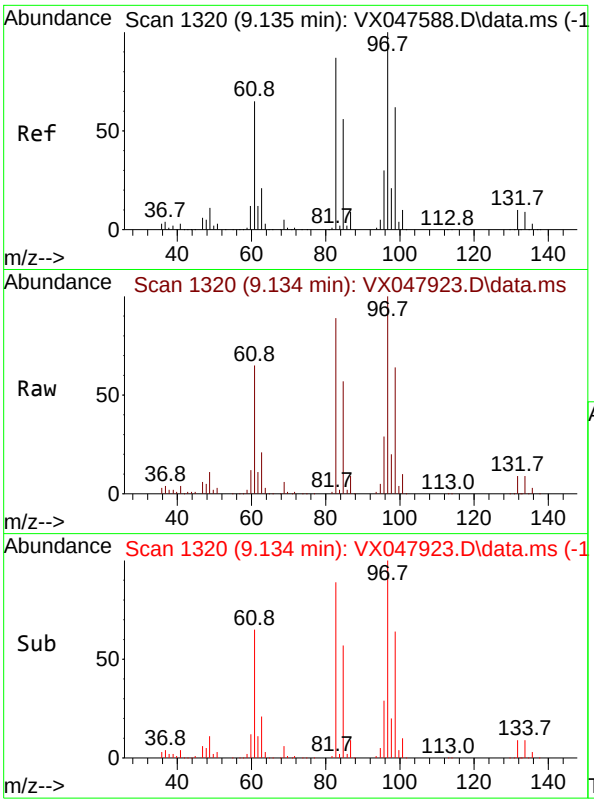


#54
cis-1,3-Dichloropropene
Concen: 52.943 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 157465

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	50.8	41.4	62.2



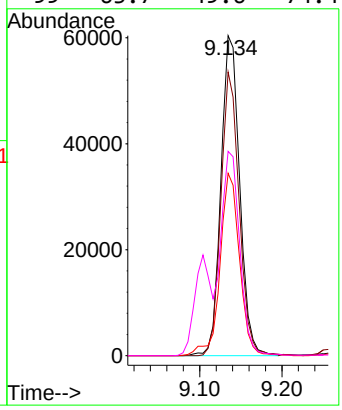


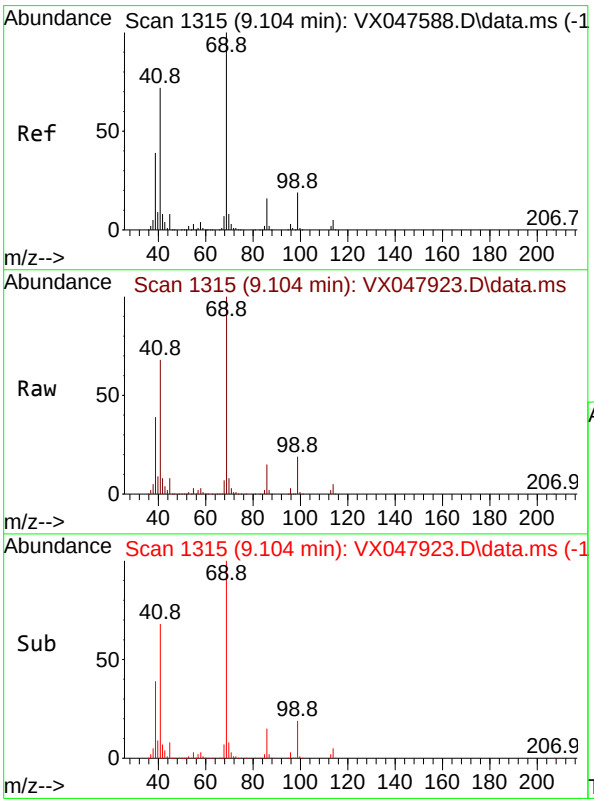
#55
1,1,2-Trichloroethane
Concen: 56.947 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 95983

Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.6	104.4
85	57.0	45.0	67.6
99	63.7	49.6	74.4

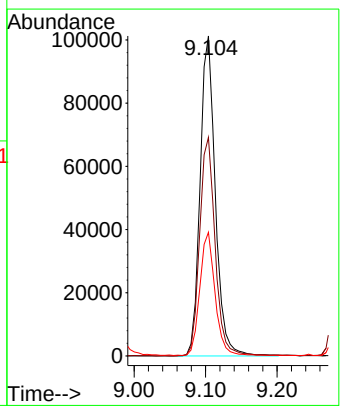


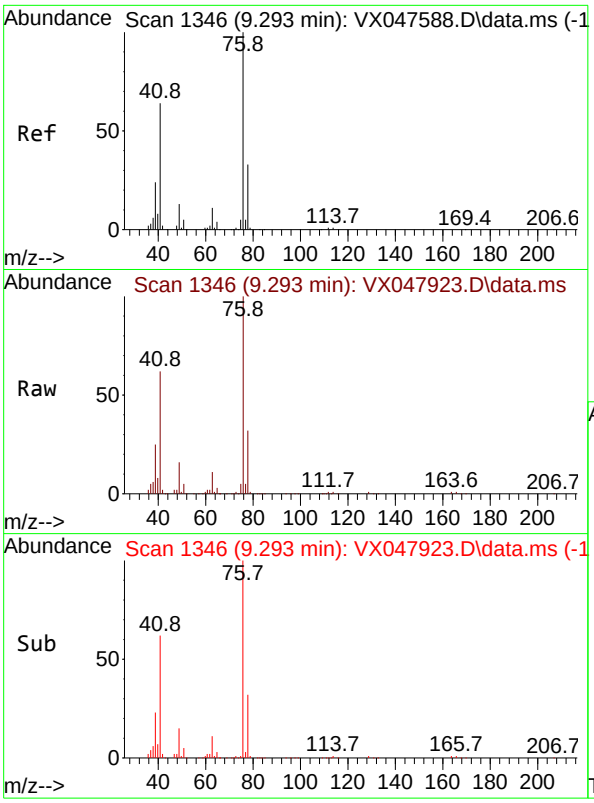


#56
Ethyl methacrylate
Concen: 56.599 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 69 Resp: 149817

Ion	Ratio	Lower	Upper
69	100		
41	69.7	58.6	87.8
39	38.5	31.5	47.3



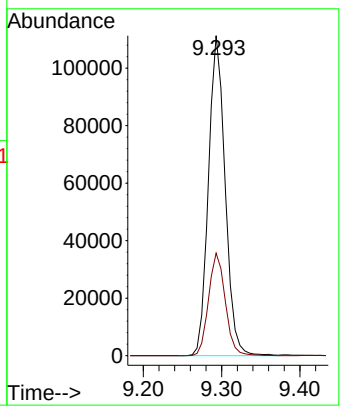


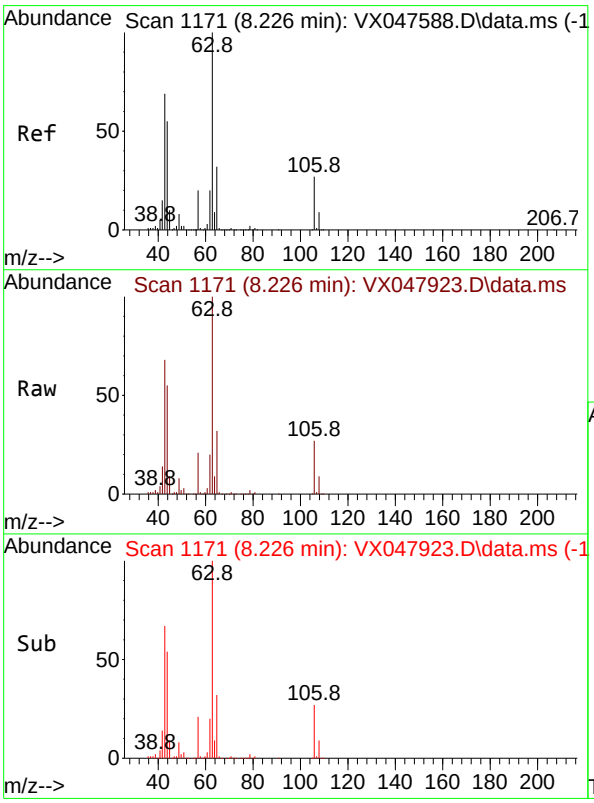
#57
1,3-Dichloropropane
Concen: 56.837 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 164563

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

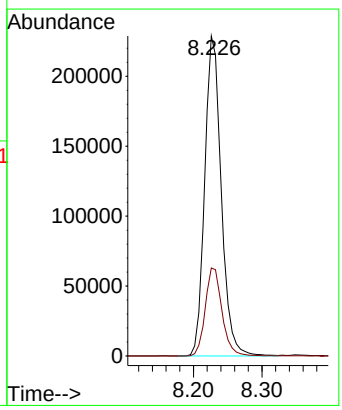


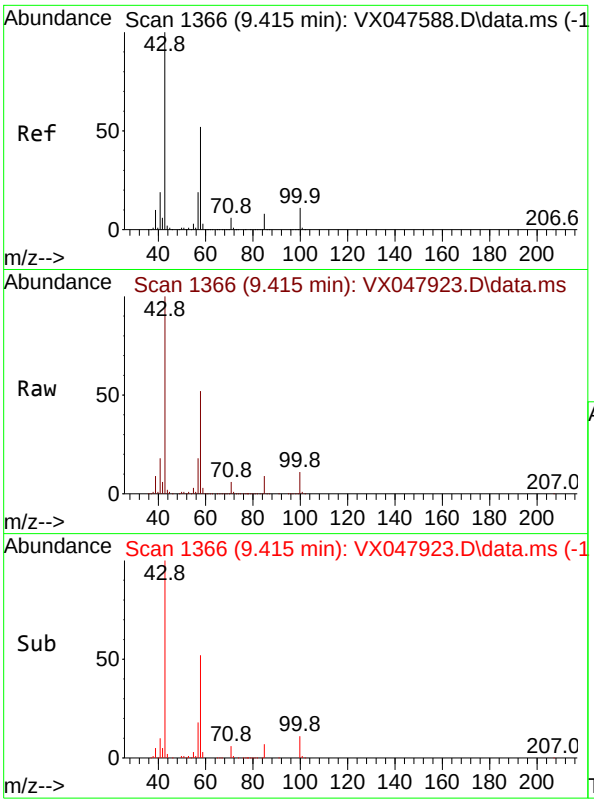


#58
2-Chloroethyl Vinyl ether
Concen: 300.103 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 384496

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



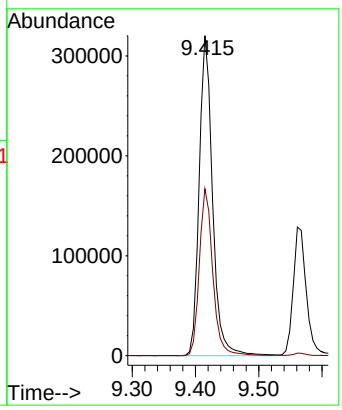


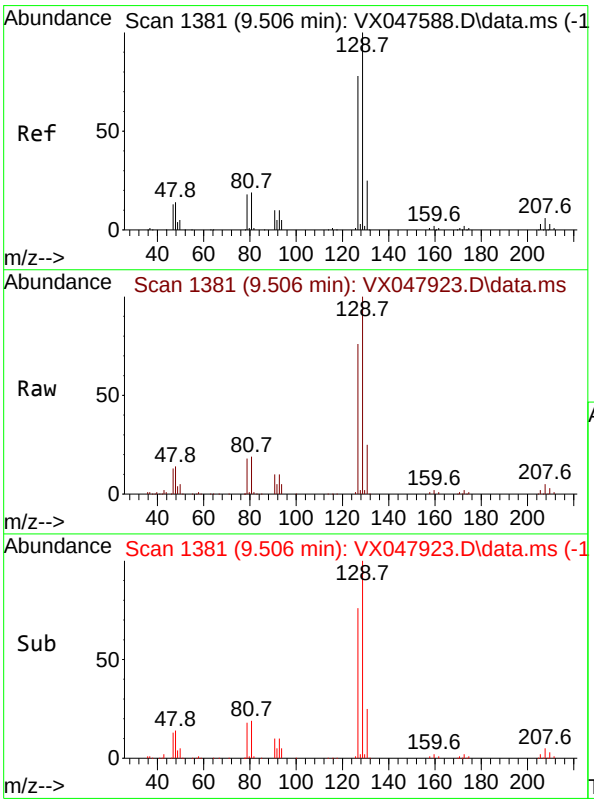
#59
2-Hexanone
Concen: 287.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 470259

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

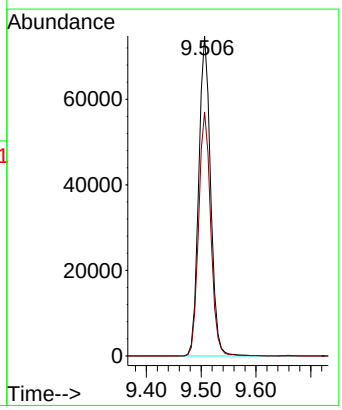


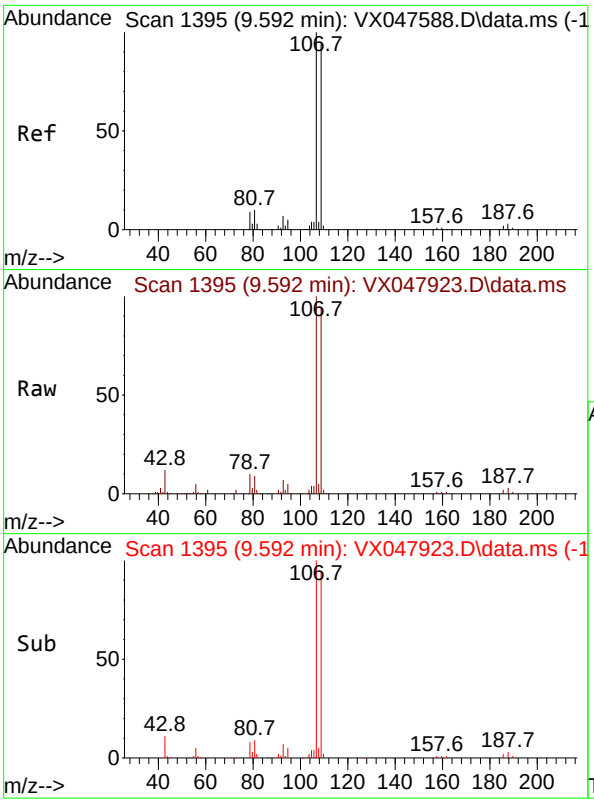


#60
Dibromochloromethane
Concen: 57.958 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:129 Resp: 112557

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2



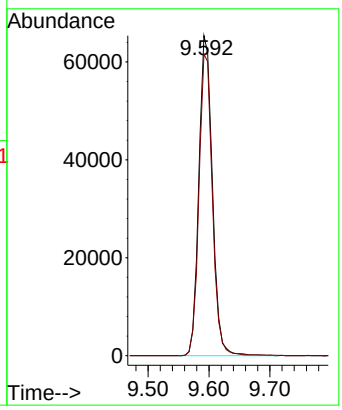


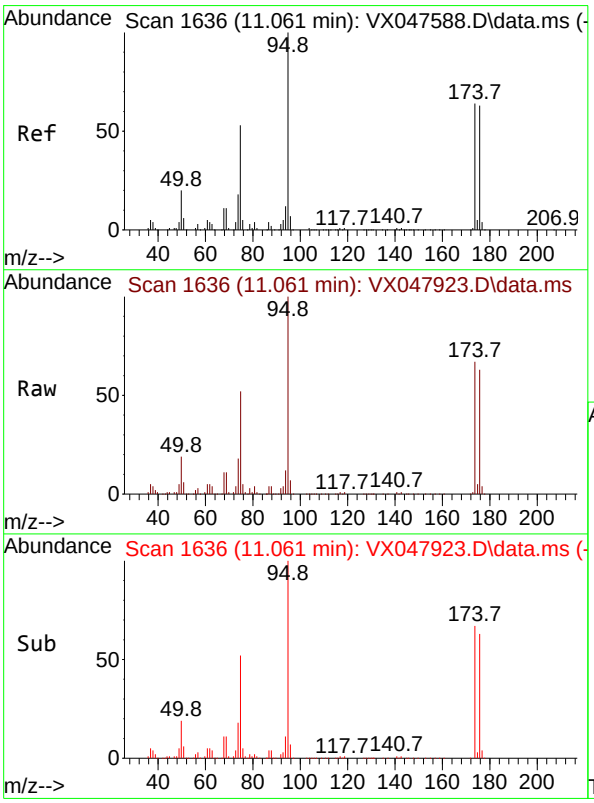
#61
1,2-Dibromoethane
Concen: 58.588 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 100581

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.3	112.9

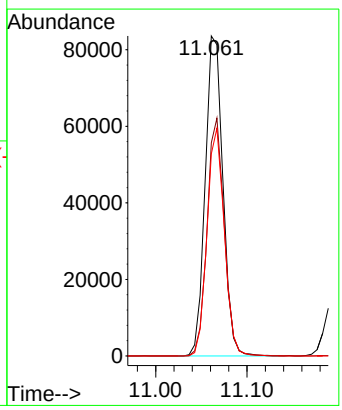


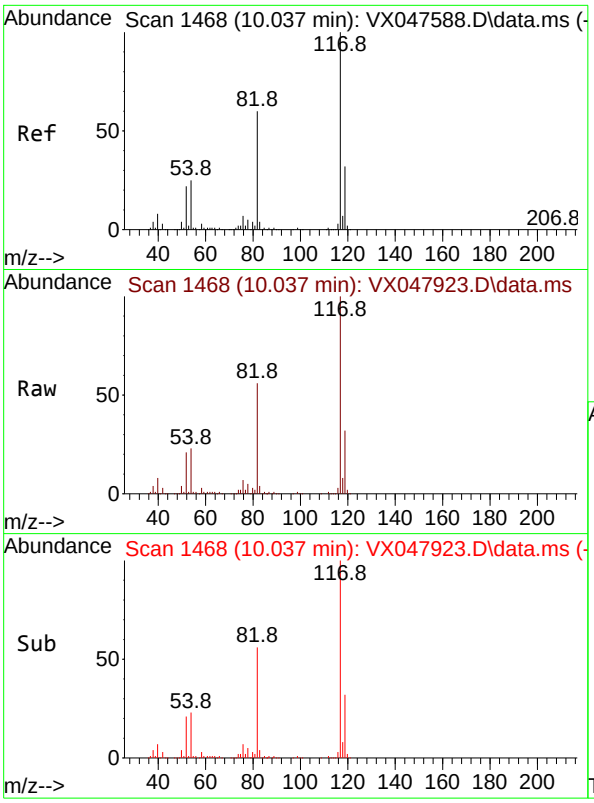


#62
4-Bromofluorobenzene
Concen: 53.472 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 95 Resp: 112253

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	69.3	0.0	138.4



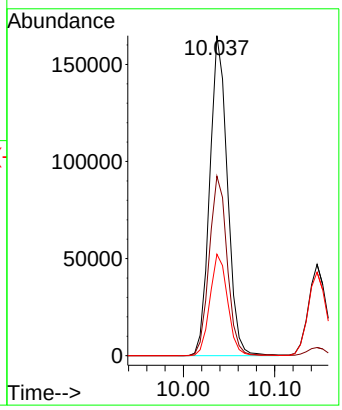


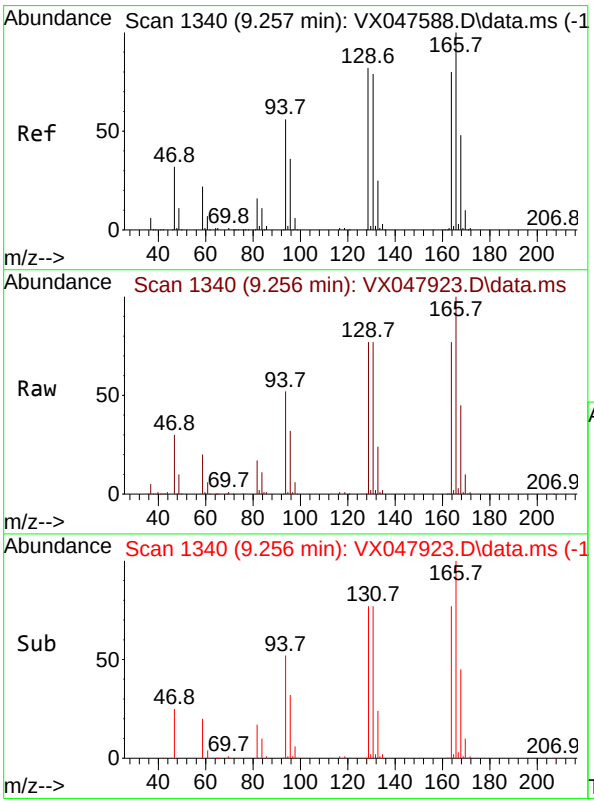
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 220521

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.8	71.6
119	31.7	25.2	37.8

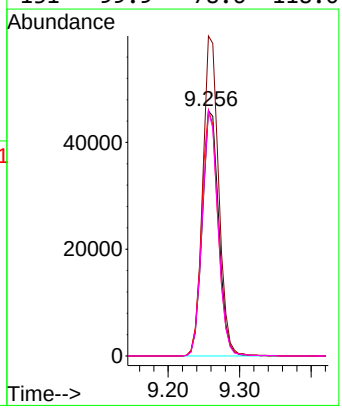


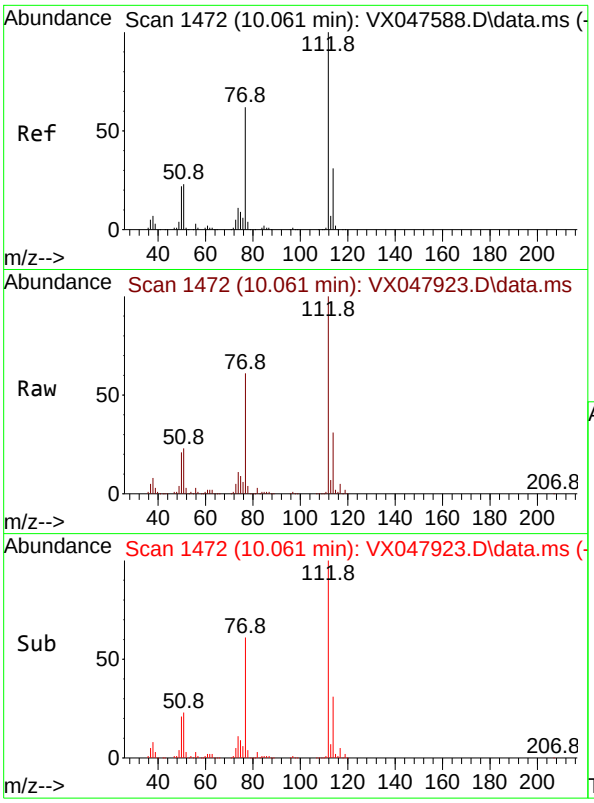


#64
Tetrachloroethene
Concen: 50.812 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:164 Resp: 73046

Ion	Ratio	Lower	Upper
164	100		
166	130.5	100.2	150.2
129	100.4	81.8	122.6
131	99.9	78.6	118.0



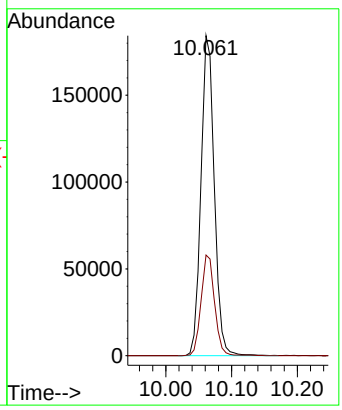


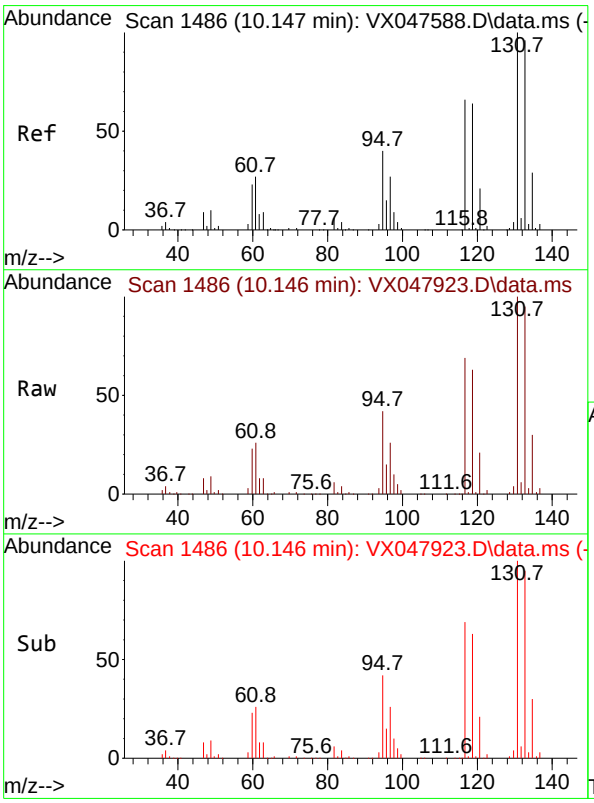
#65
Chlorobenzene
Concen: 51.854 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 259779

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

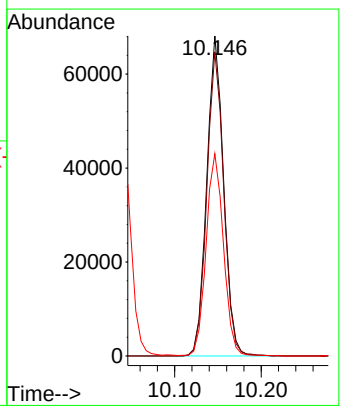


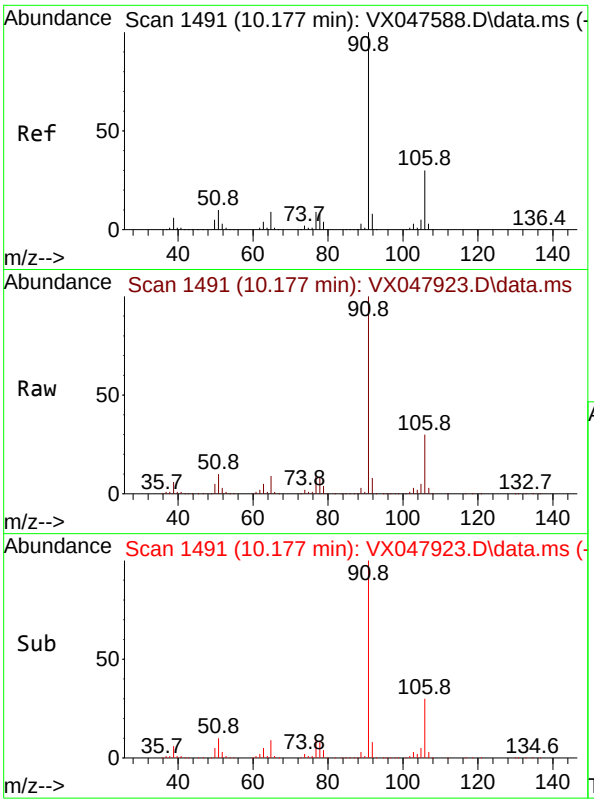


#66
1,1,1,2-Tetrachloroethane
Concen: 53.476 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:131 Resp: 92447

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	142.0
119	65.1	32.0	96.0



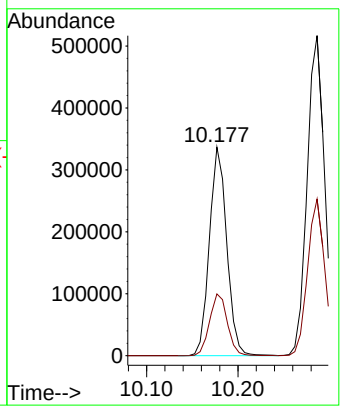


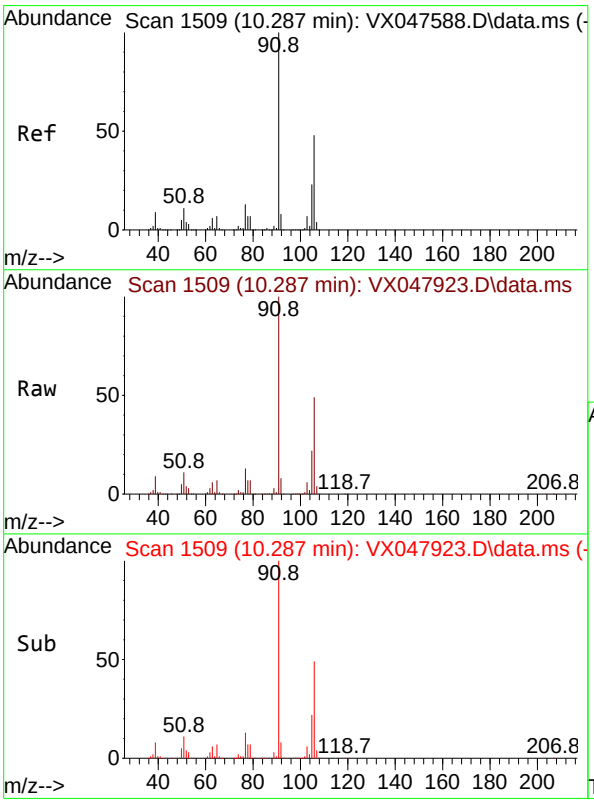
#67
Ethyl Benzene
Concen: 51.390 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 444221

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.3	36.5

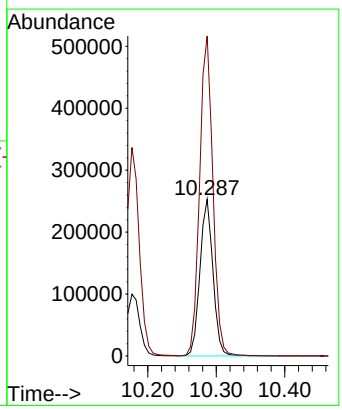


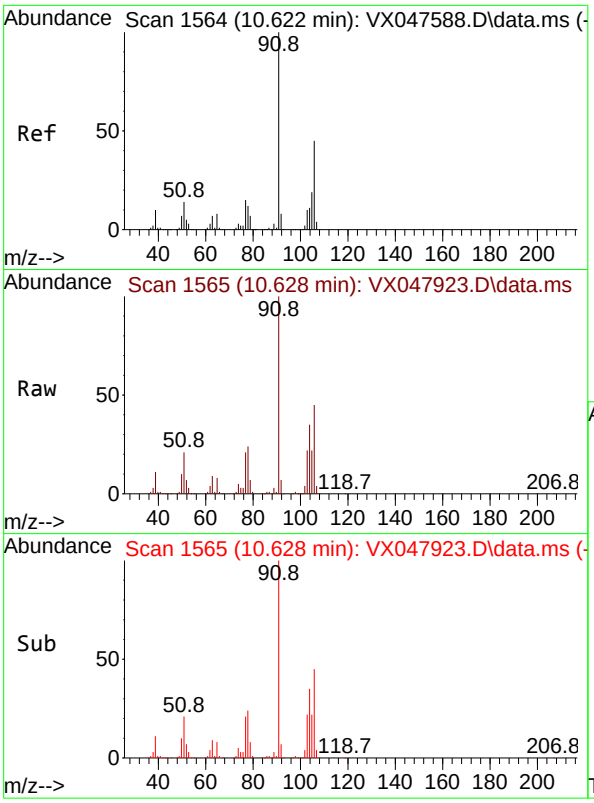


#68
m/p-Xylenes
Concen: 104.119 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:106 Resp: 334993

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



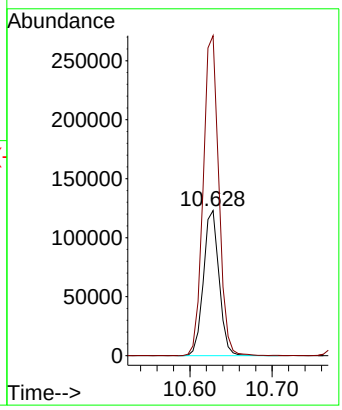


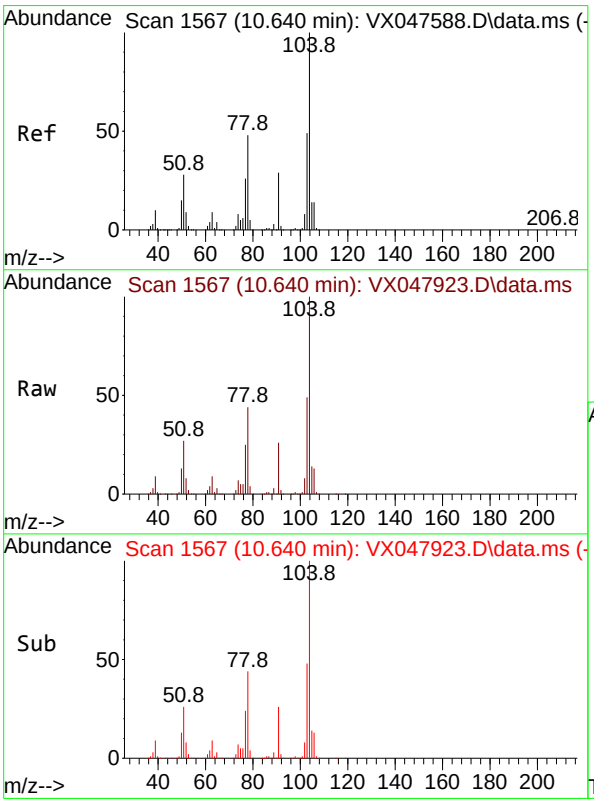
#69
o-Xylene
Concen: 52.032 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 161921

Ion	Ratio	Lower	Upper
106	100		
91	220.6	111.1	333.4

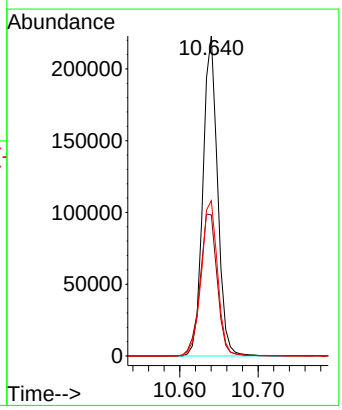


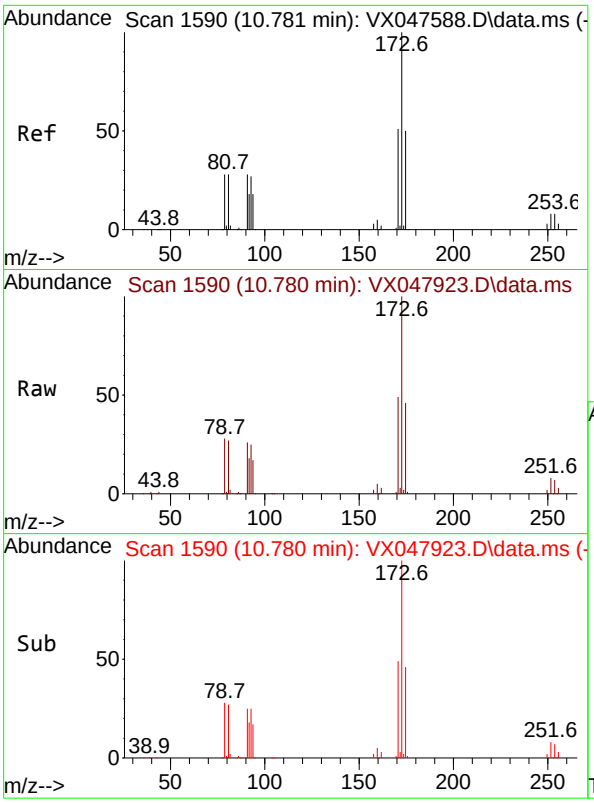


#70
Styrene
Concen: 53.035 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:104 Resp: 289190

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	54.1	43.1	64.7



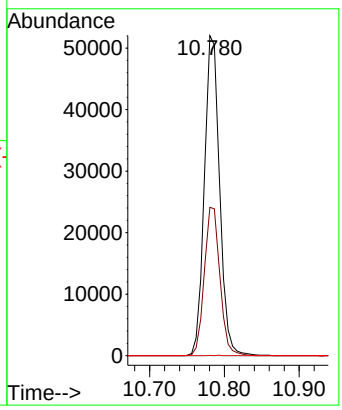


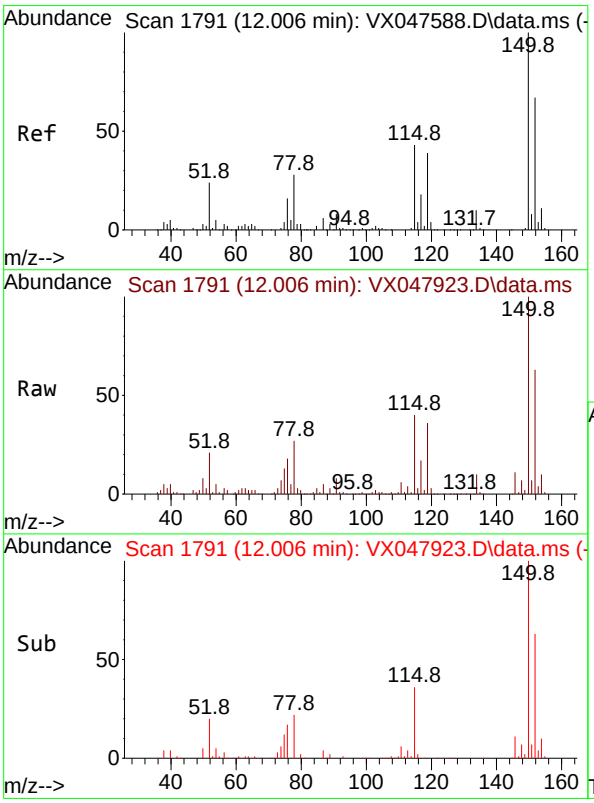
#71
Bromoform
Concen: 57.212 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 73852

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1#

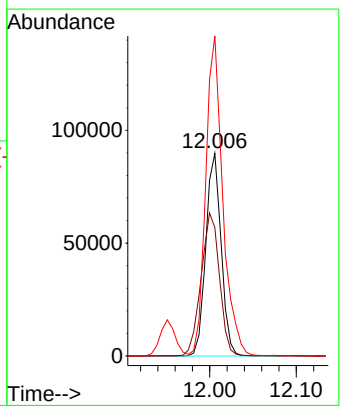


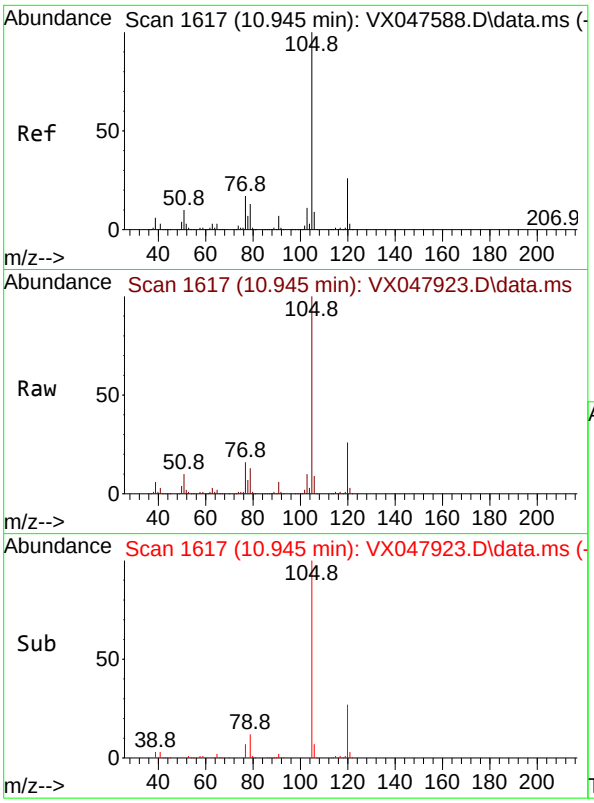


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:152 Resp: 110310

Ion	Ratio	Lower	Upper
152	100		
115	85.0	44.9	134.5
150	176.2	0.0	352.0



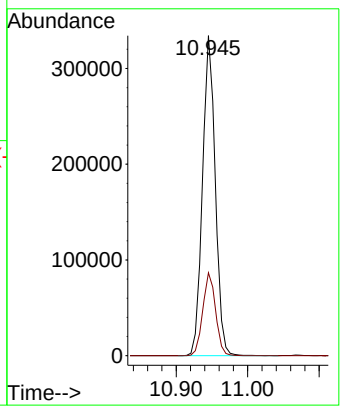


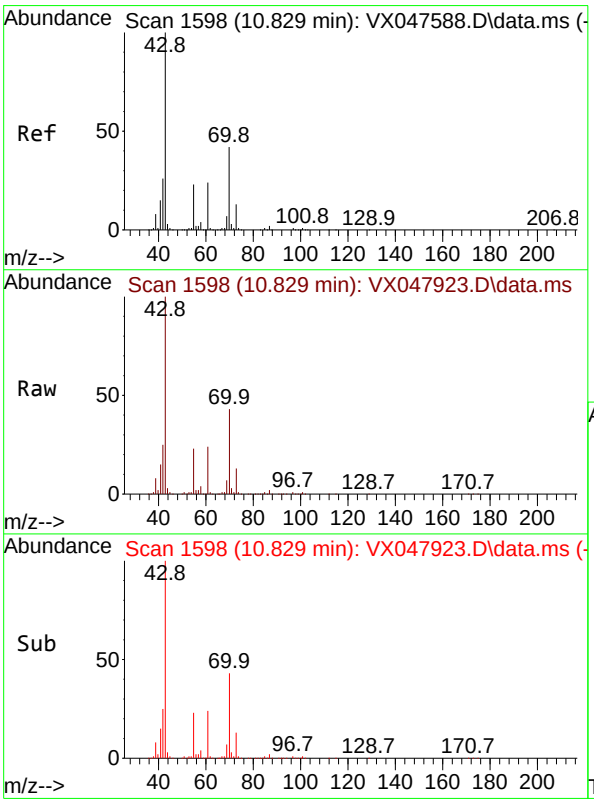
#73
Isopropylbenzene
Concen: 49.469 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 414872

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

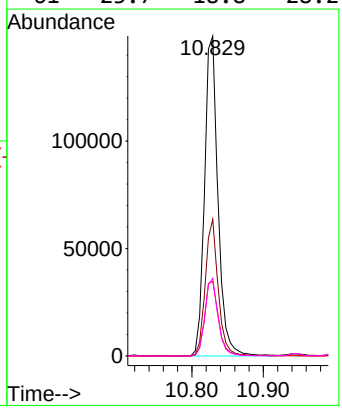


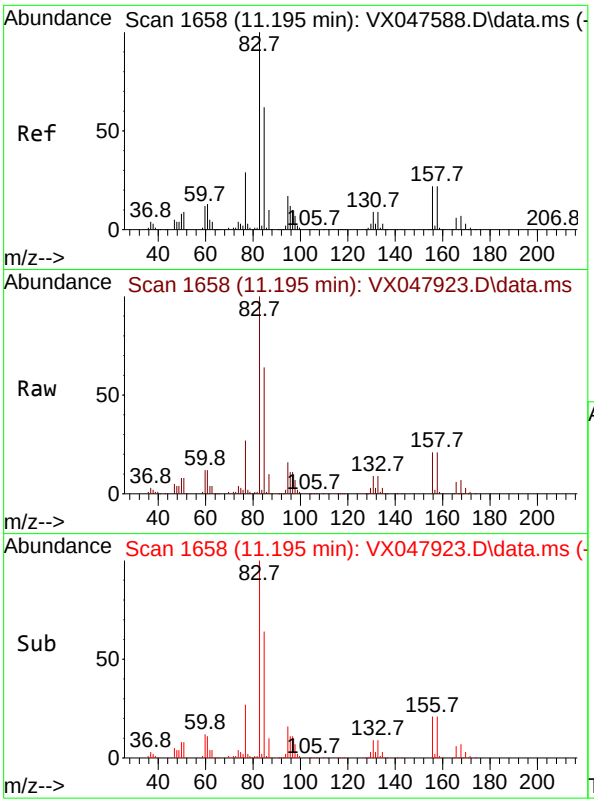


#74
N-amyl acetate
Concen: 50.866 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 194530

Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.0	48.0
55	24.2	18.9	28.3
61	23.7	18.8	28.2



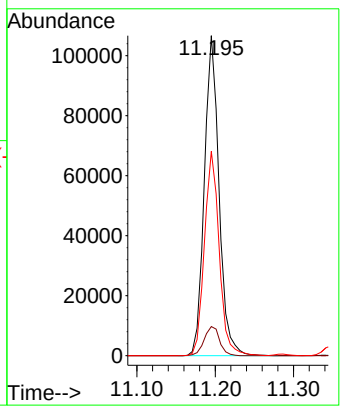


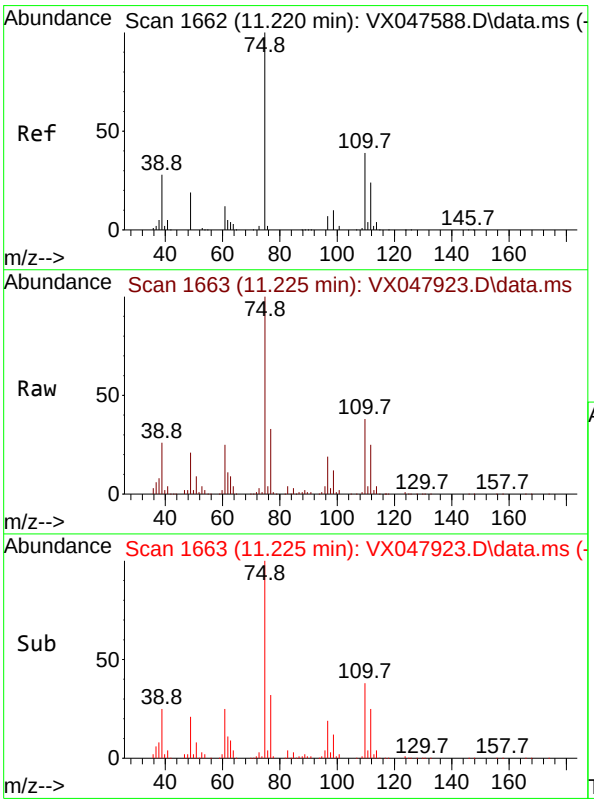
#75
1,1,2,2-Tetrachloroethane
Concen: 54.611 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 138566

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.3	31.6	95.0

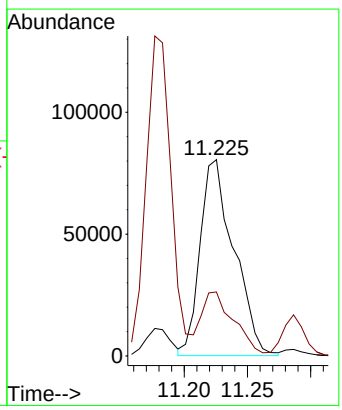


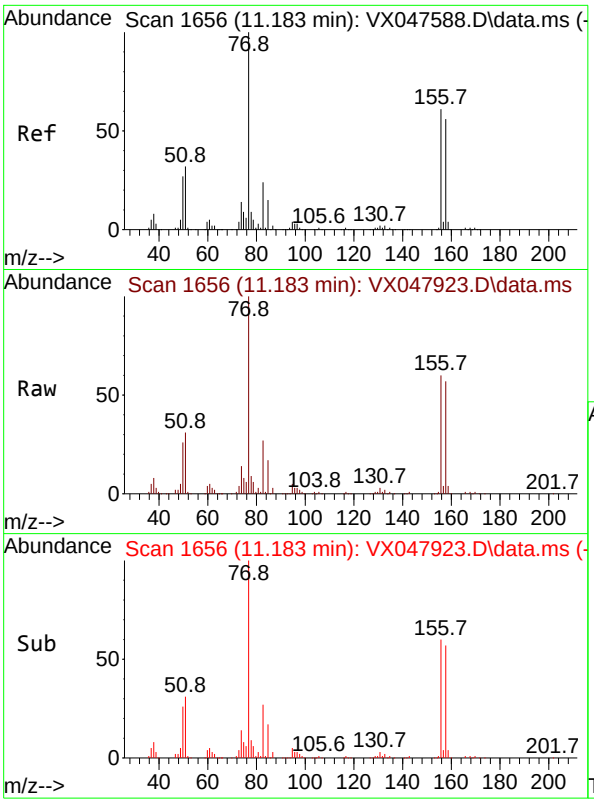


#76
1,2,3-Trichloropropane
Concen: 67.047 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 149744

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



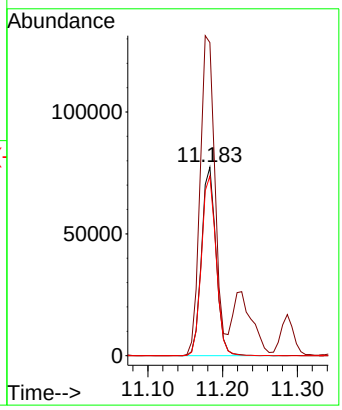


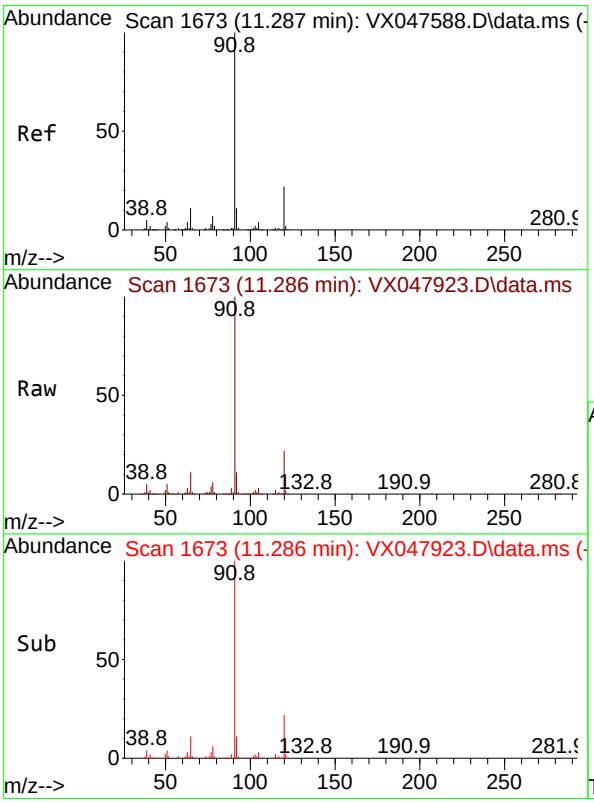
#77
Bromobenzene
Concen: 50.251 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 103795

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.7	47.9	143.6

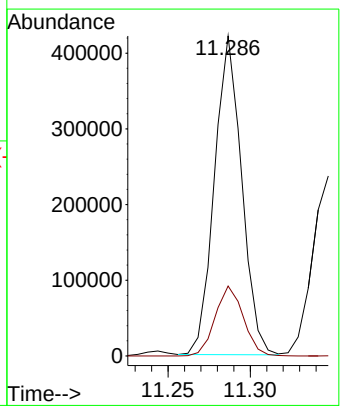


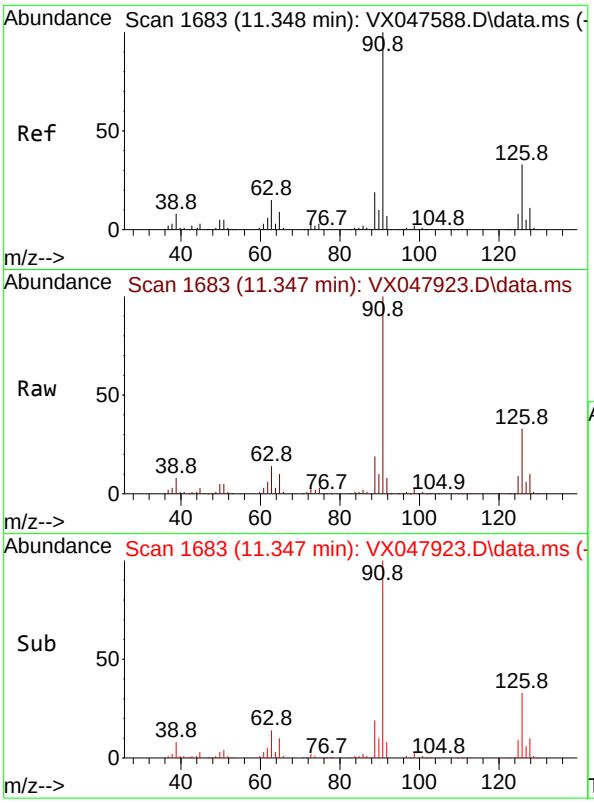


#78
n-propylbenzene
Concen: 49.015 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 485929

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



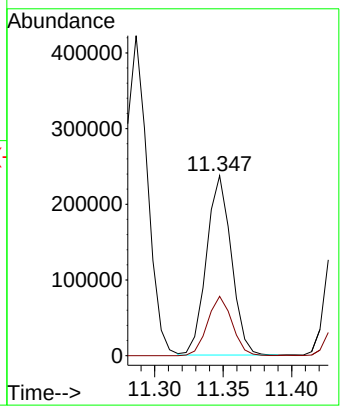


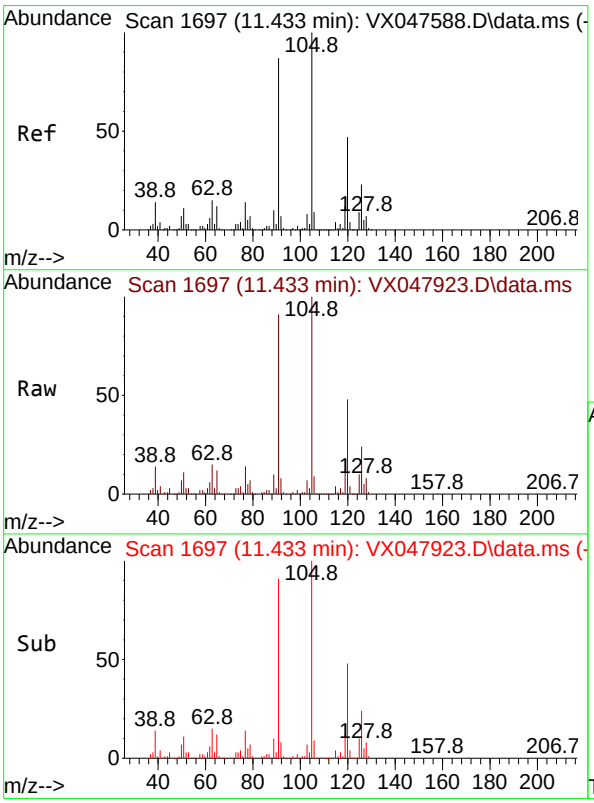
#79
2-Chlorotoluene
Concen: 49.224 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 298892

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

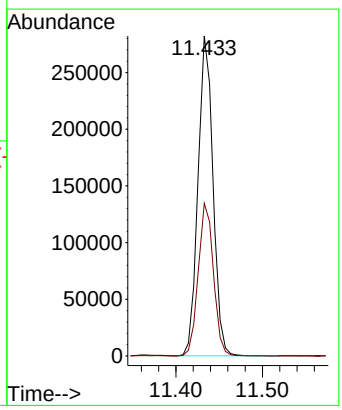


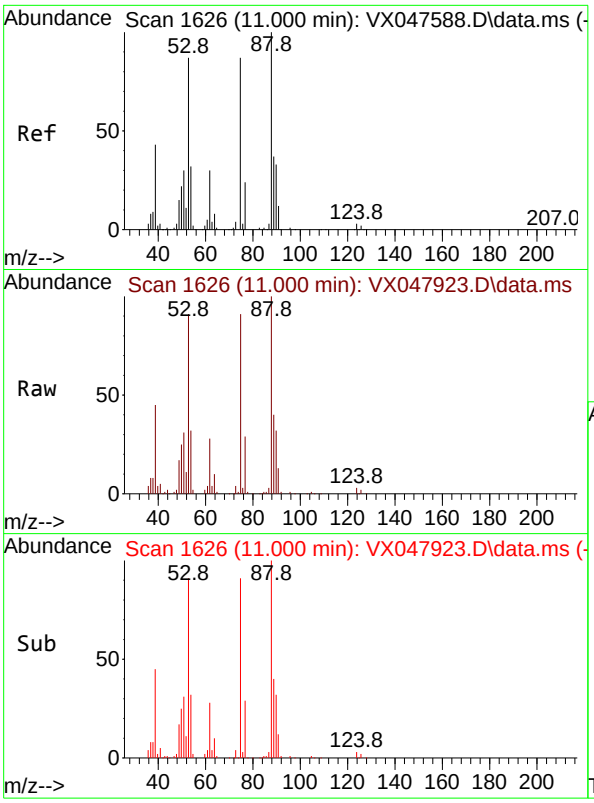


#80
1,3,5-Trimethylbenzene
Concen: 49.255 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 339378

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8



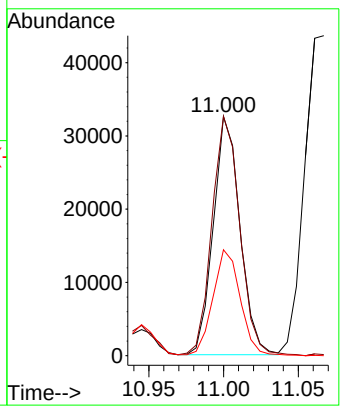


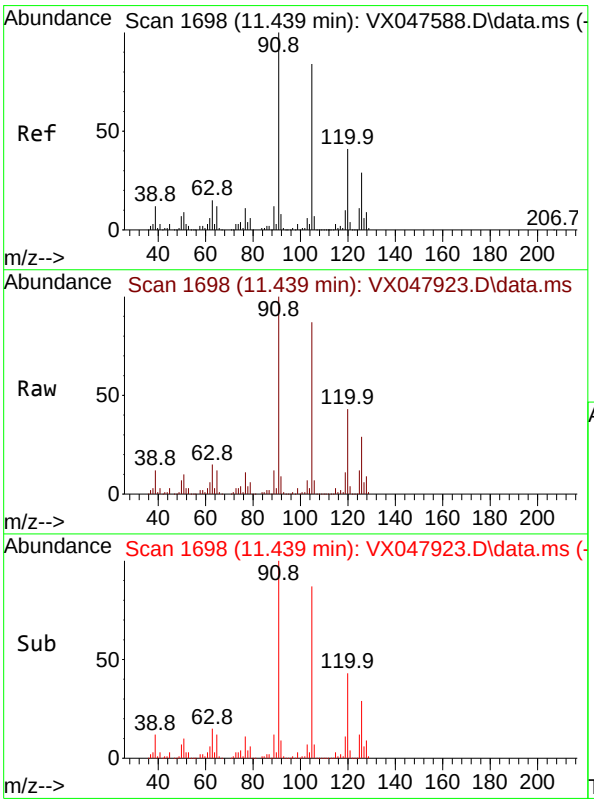
#81
trans-1,4-Dichloro-2-butene
Concen: 46.075 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 40353

Ion	Ratio	Lower	Upper
75	100		
53	105.1	83.4	125.2
89	45.6	36.3	54.5

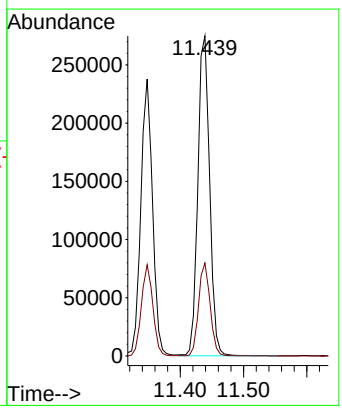


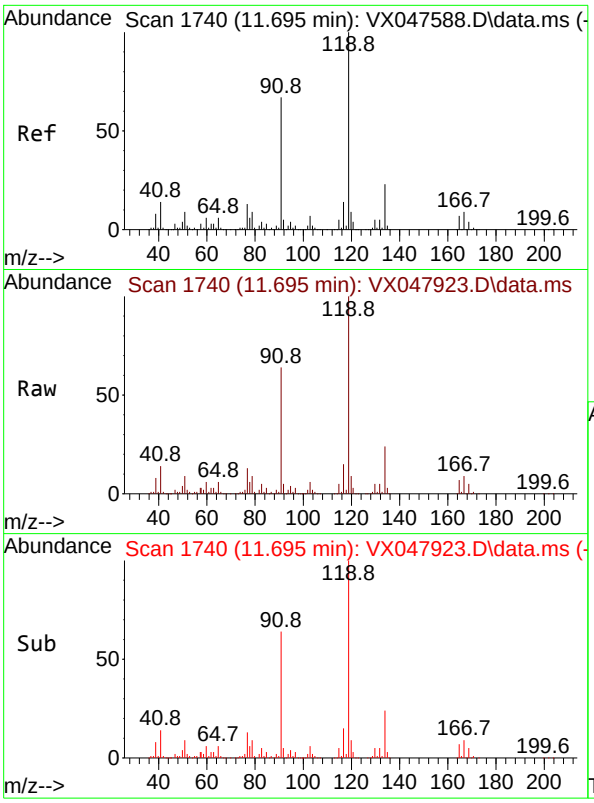


#82
4-Chlorotoluene
Concen: 49.640 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 355988

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



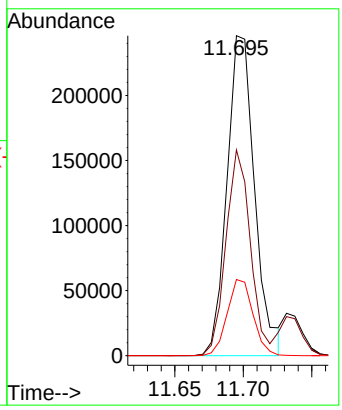


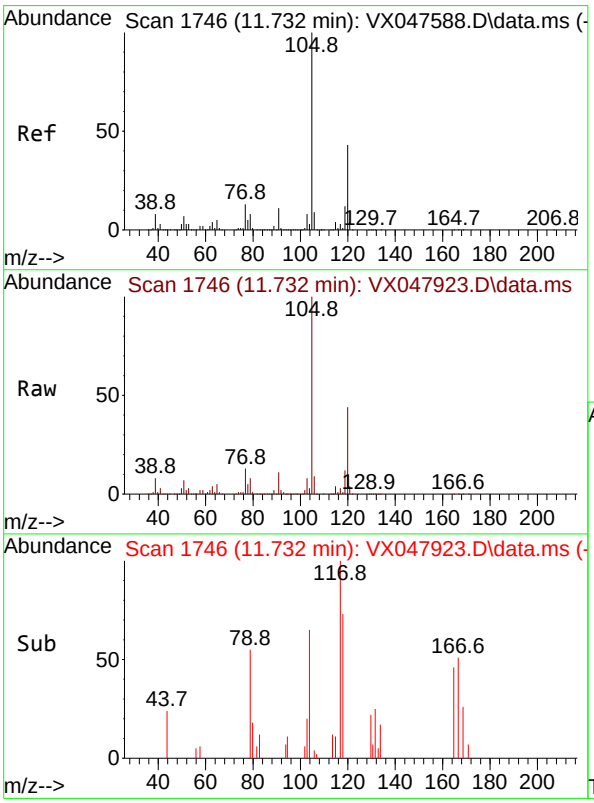
#83
tert-Butylbenzene
Concen: 49.053 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 345986

Ion	Ratio	Lower	Upper
119	100		
91	57.0	29.6	88.8
134	22.3	11.0	33.0

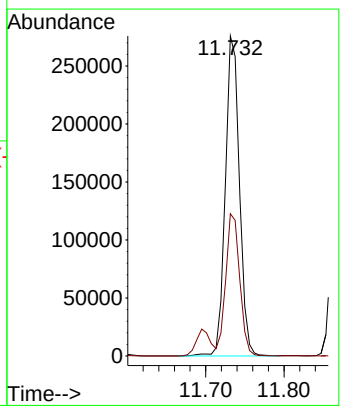


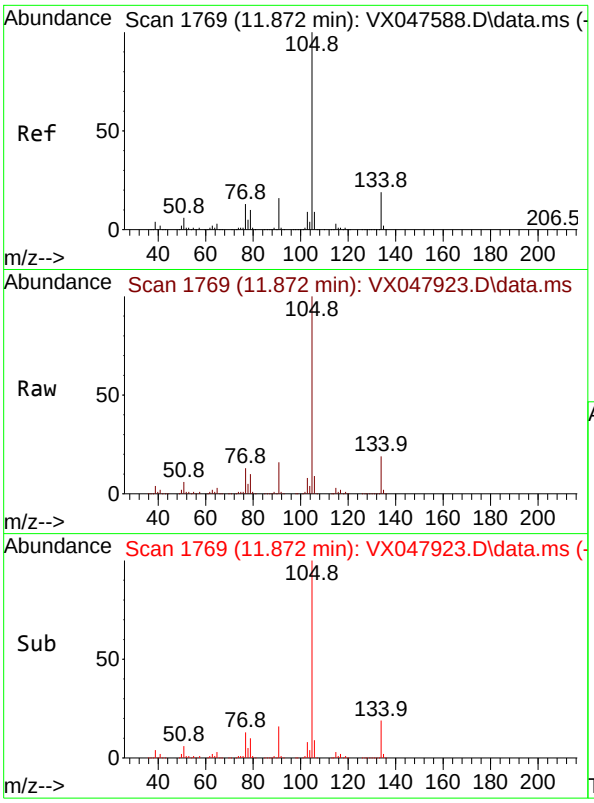


#84
1,2,4-Trimethylbenzene
Concen: 49.536 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 346035

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



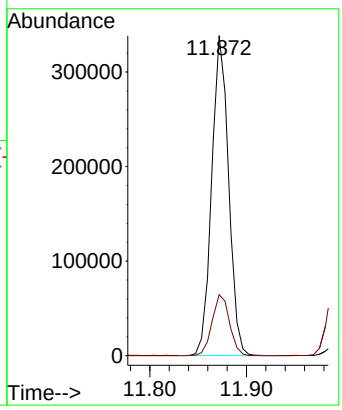


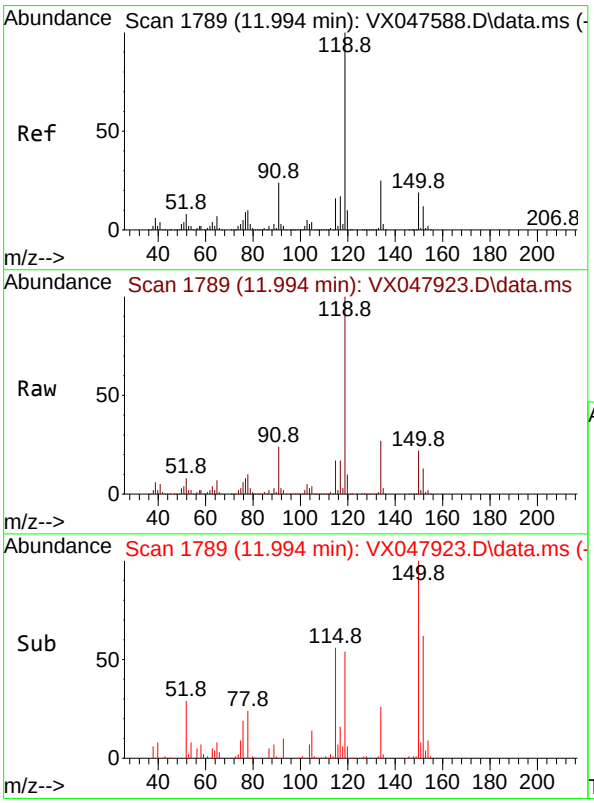
#85
sec-Butylbenzene
Concen: 48.913 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 409794

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

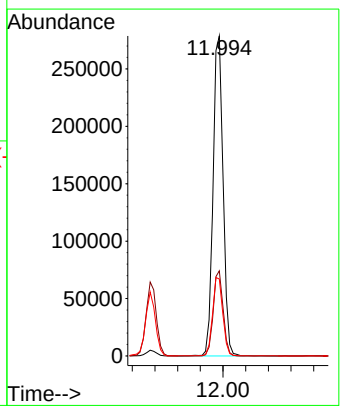


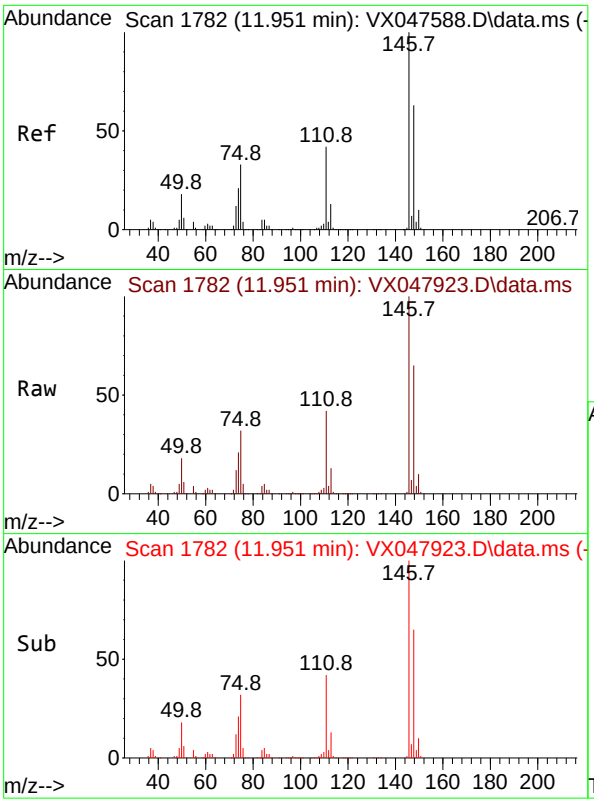


#86
p-Isopropyltoluene
Concen: 48.250 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:119 Resp: 342231

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	24.9	12.6	37.6



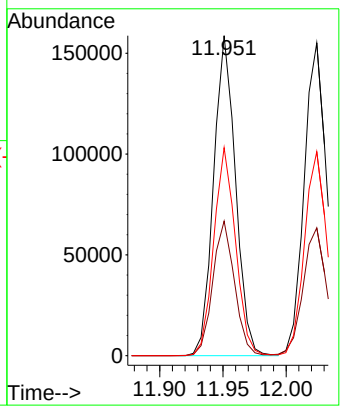


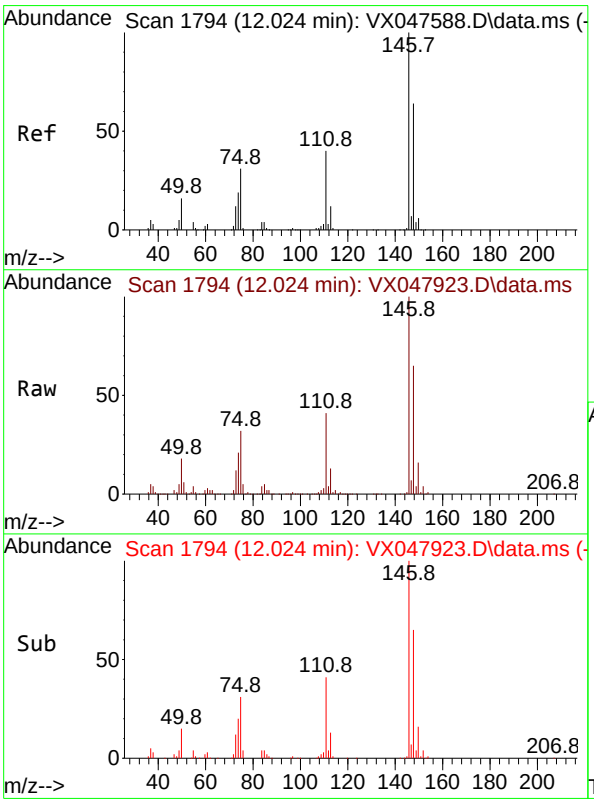
#87
1,3-Dichlorobenzene
Concen: 49.812 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 191106

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	64.6	32.0	96.0

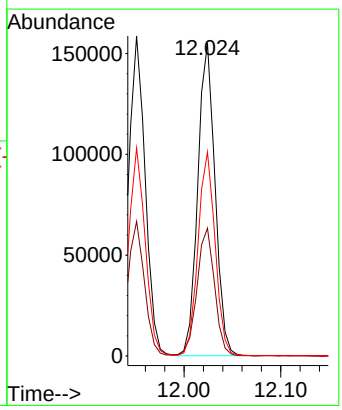


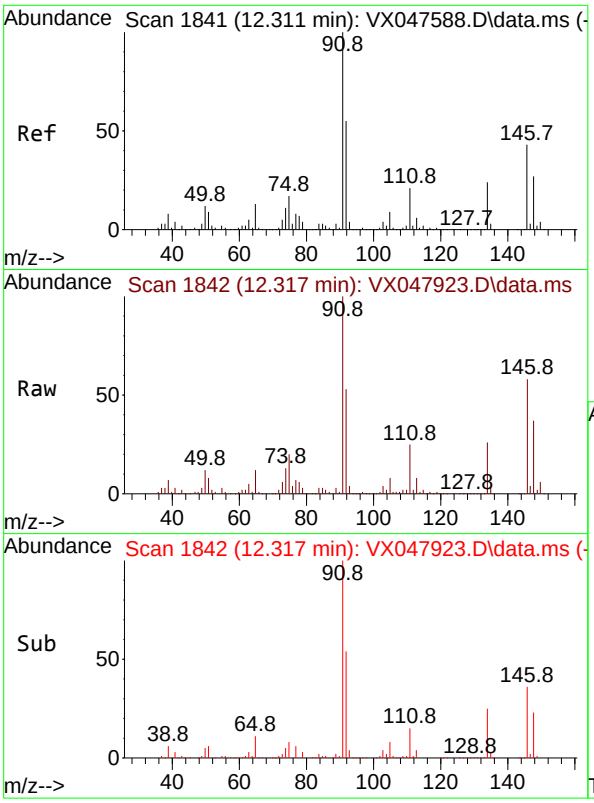


#88
1,4-Dichlorobenzene
Concen: 49.006 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 192965

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.7	31.7	95.1



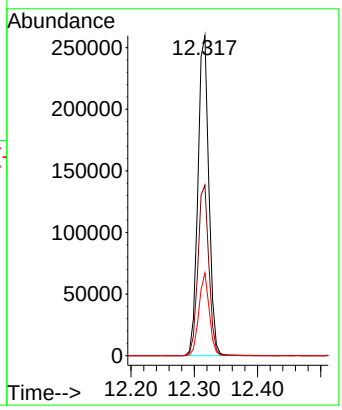


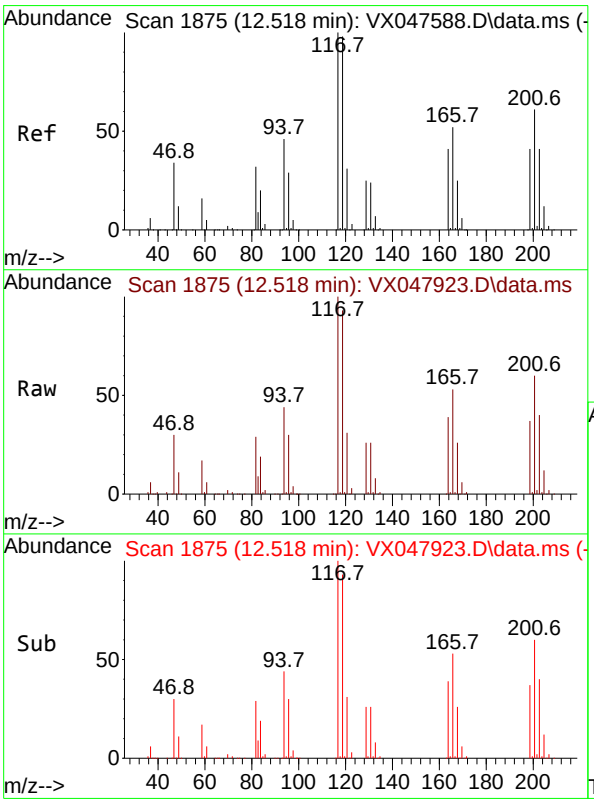
#89
n-Butylbenzene
Concen: 47.651 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 312733

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	24.5	12.6	37.8

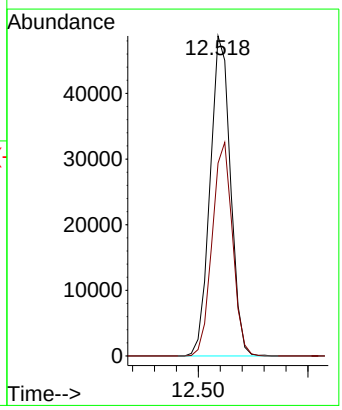


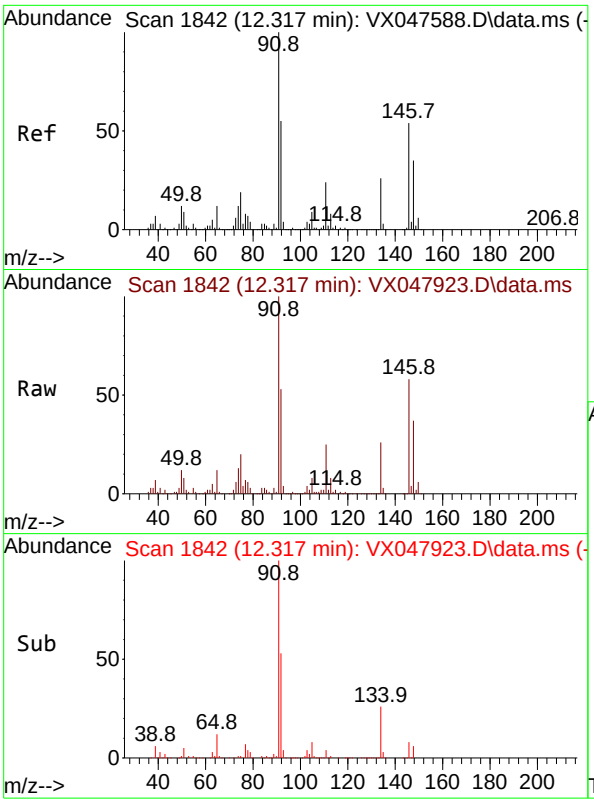


#90
Hexachloroethane
Concen: 50.578 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 62984

Ion	Ratio	Lower	Upper
117	100		
201	66.4	34.2	102.5



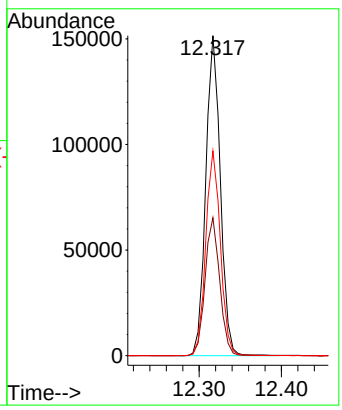


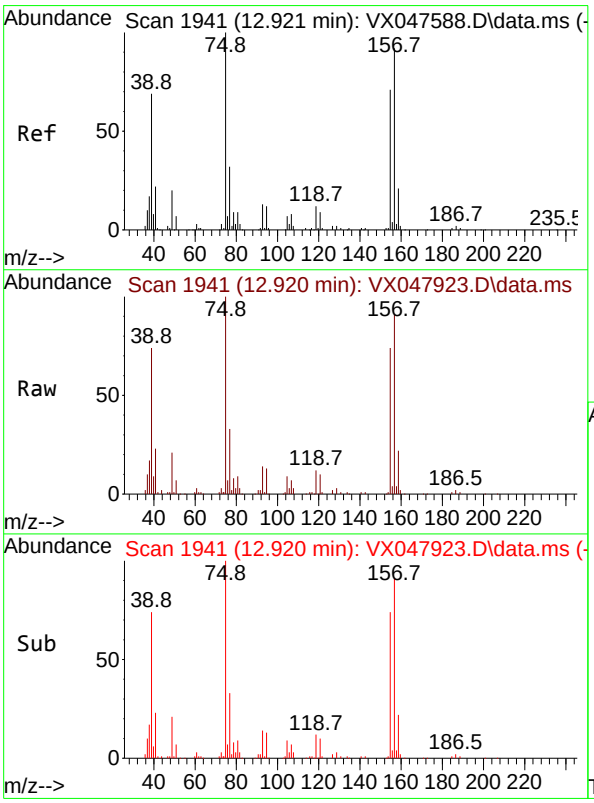
#91
1,2-Dichlorobenzene
Concen: 50.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 186186

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	64.3	31.8	95.4

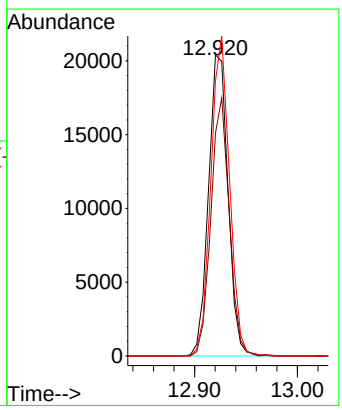


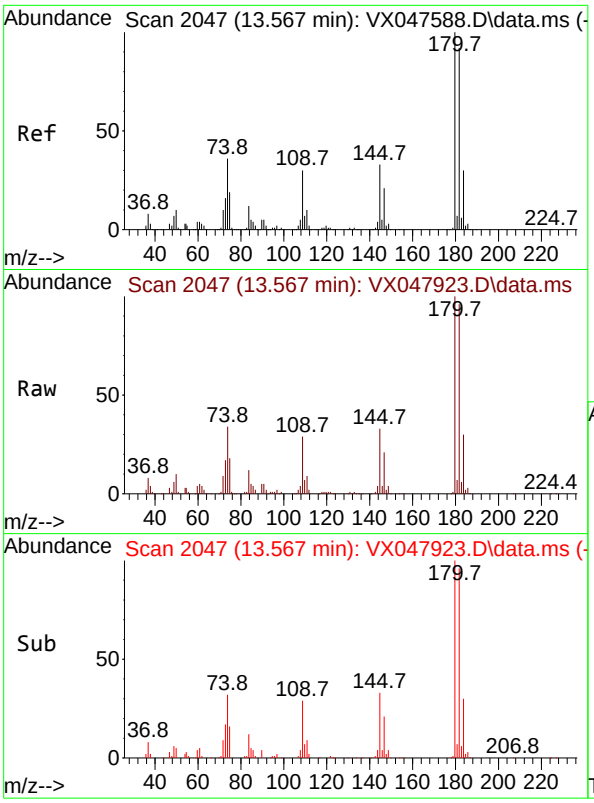


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.467 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 26953

Ion	Ratio	Lower	Upper
75	100		
155	80.5	37.7	113.1
157	101.3	49.8	149.4



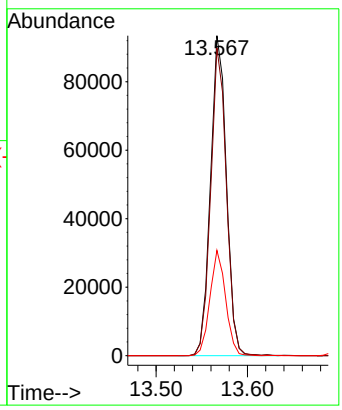


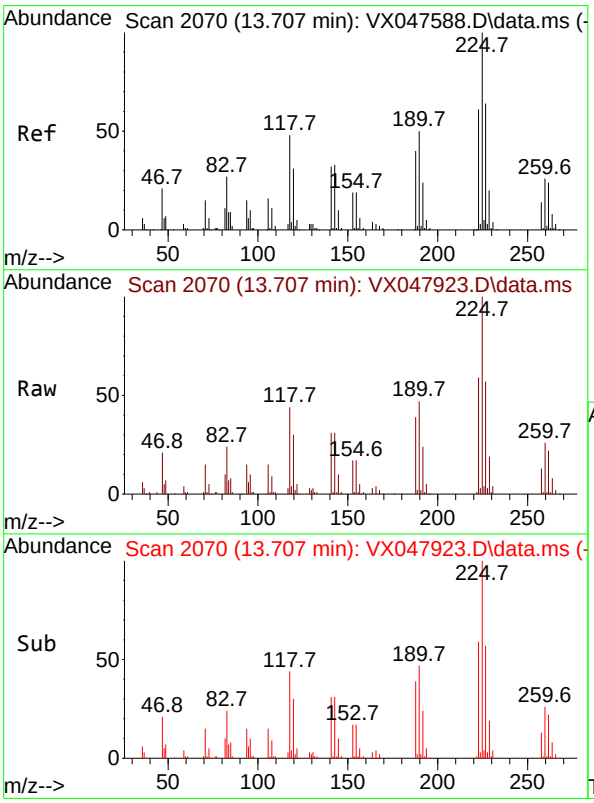
#93
1,2,4-Trichlorobenzene
Concen: 47.467 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 112758

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	32.4	16.4	49.1

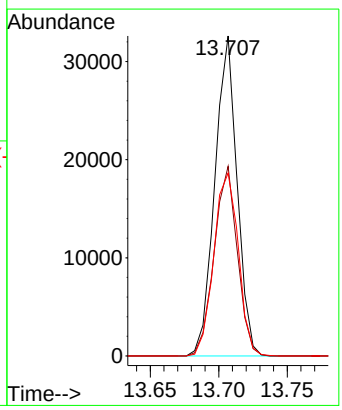


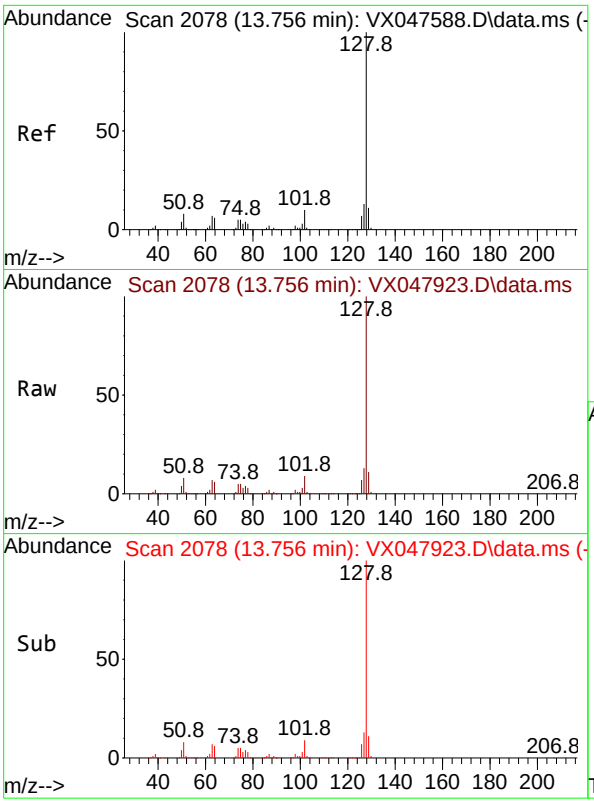


#94
Hexachlorobutadiene
Concen: 45.550 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:225 Resp: 36753

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.1	32.0	96.0



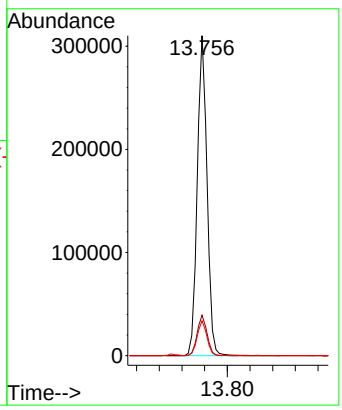


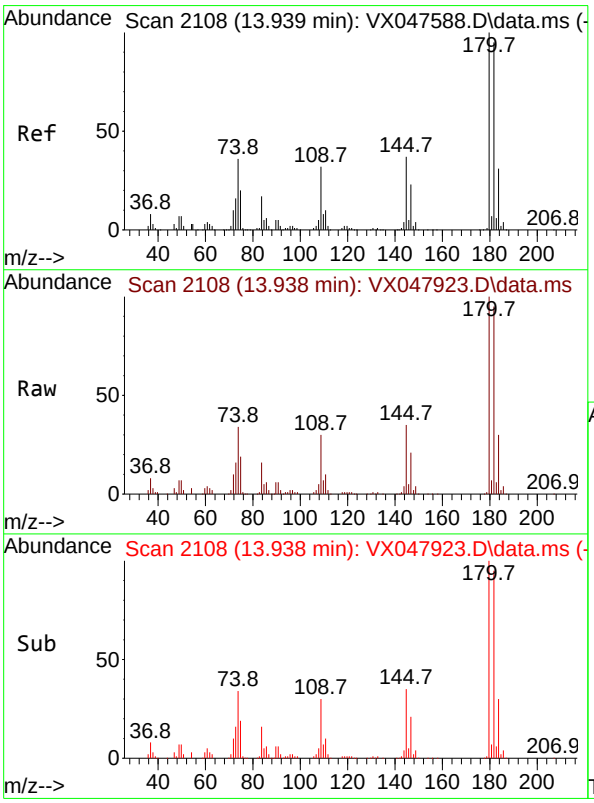
#95
Naphthalene
Concen: 51.160 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 370067

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

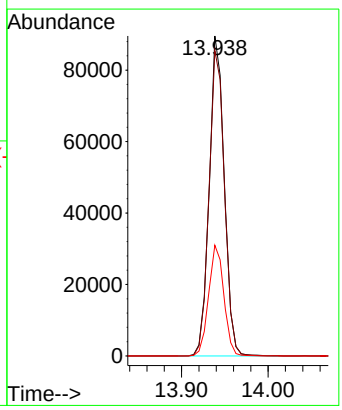




#96
1,2,3-Trichlorobenzene
Concen: 48.861 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:180 Resp: 107969

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	35.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	144631	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	260134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124685	54.160	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.320%			
35) Dibromofluoromethane	5.367	113	98267	56.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.660%			
50) Toluene-d8	8.628	98	324365	53.732	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.460%			
62) 4-Bromofluorobenzene	11.061	95	119729	52.260	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	91085	60.818	ug/l	99
3) Chloromethane	1.300	50	110419	56.097	ug/l	100
4) Vinyl Chloride	1.380	62	114111	59.223	ug/l	99
5) Bromomethane	1.611	94	69517	56.897	ug/l	99
6) Chloroethane	1.691	64	75662	58.753	ug/l	100
7) Trichlorofluoromethane	1.892	101	171477	59.938	ug/l	98
8) Diethyl Ether	2.136	74	67159	57.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	96125	57.462	ug/l	99
10) Methyl Iodide	2.453	142	124704	47.798	ug/l	100
11) Tert butyl alcohol	2.940	59	58452	227.972	ug/l	98
12) 1,1-Dichloroethene	2.325	96	98833	57.516	ug/l	99
13) Acrolein	2.233	56	41249	174.579	ug/l	99
14) Allyl chloride	2.666	41	166158	46.859	ug/l	97
15) Acrylonitrile	3.050	53	269376	283.637	ug/l	100
16) Acetone	2.373	43	217997	217.782	ug/l	98
17) Carbon Disulfide	2.514	76	255182	54.246	ug/l	98
18) Methyl Acetate	2.696	43	134529	60.389	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	348678	55.586	ug/l	100
20) Methylene Chloride	2.782	84	120618	56.927	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	104674	56.580	ug/l	98
22) Diisopropyl ether	3.745	45	395937	57.615	ug/l	91
23) Vinyl Acetate	3.708	43	1499884	272.705	ug/l	99
24) 1,1-Dichloroethane	3.599	63	212129	58.077	ug/l	99
25) 2-Butanone	4.531	43	307124	245.974	ug/l	99
26) 2,2-Dichloropropane	4.458	77	80398	26.480	ug/l	93
27) cis-1,2-Dichloroethene	4.471	96	124695	55.037	ug/l	94
28) Bromochloromethane	4.873	49	101680	63.766	ug/l	99
29) Tetrahydrofuran	4.983	42	196599	261.737	ug/l	99
30) Chloroform	5.074	83	214728	58.176	ug/l	100
31) Cyclohexane	5.452	56	152106	50.000	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	176197	56.279	ug/l	99
36) 1,1-Dichloropropene	5.672	75	130677	51.260	ug/l	99
37) Ethyl Acetate	4.690	43	134131	49.140	ug/l	99
38) Carbon Tetrachloride	5.659	117	147089	53.104	ug/l	99
39) Methylcyclohexane	7.360	83	138542	47.876	ug/l	98
40) Benzene	6.019	78	421247	54.405	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	74326	52.746	ug/l	99
42) 1,2-Dichloroethane	6.068	62	158595	53.834	ug/l	99
43) Isopropyl Acetate	6.312	43	225027	50.267	ug/l	100
44) Trichloroethene	7.104	130	100254	53.557	ug/l	94
45) 1,2-Dichloropropane	7.409	63	109590	55.275	ug/l	97
46) Dibromomethane	7.561	93	78369	54.318	ug/l	97
47) Bromodichloromethane	7.799	83	166580	55.951	ug/l	99
48) Methyl methacrylate	7.671	41	112094	50.270	ug/l	98
49) 1,4-Dioxane	7.641	88	27263	1209.803	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	642043	258.676	ug/l	100
52) Toluene	8.701	92	254447	53.340	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	144886	47.710	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	158578	48.855	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	101762	55.323	ug/l	98
56) Ethyl methacrylate	9.098	69	151133	52.318	ug/l	98
57) 1,3-Dichloropropane	9.293	76	174076	55.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	412325	295.242	ug/l	100
59) 2-Hexanone	9.415	43	432172	242.438	ug/l	99
60) Dibromochloromethane	9.500	129	120602	56.903	ug/l	99
61) 1,2-Dibromoethane	9.592	107	102684	54.808	ug/l	99
64) Tetrachloroethene	9.256	164	82226	54.742	ug/l	98
65) Chlorobenzene	10.061	112	281425	53.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	100383	55.573	ug/l	98
67) Ethyl Benzene	10.177	91	470865	52.134	ug/l	100
68) m/p-Xylenes	10.280	106	358108	106.525	ug/l	98
69) o-Xylene	10.622	106	173728	53.429	ug/l	97
70) Styrene	10.634	104	304498	53.445	ug/l	99
71) Bromoform	10.780	173	74442	55.193	ug/l	99
73) Isopropylbenzene	10.945	105	440490	52.083	ug/l	99
74) N-amyl acetate	10.823	43	190962	49.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135919	53.118	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	139819	62.077	ug/l	92
77) Bromobenzene	11.177	156	109763	52.694	ug/l	96
78) n-propylbenzene	11.286	91	515569	51.568	ug/l	99
79) 2-Chlorotoluene	11.347	91	315063	51.452	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	360539	51.887	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	32867	37.213	ug/l	99
82) 4-Chlorotoluene	11.433	91	374249	51.748	ug/l	99
83) tert-Butylbenzene	11.695	119	363612	51.119	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	362779	51.497	ug/l	100
85) sec-Butylbenzene	11.872	105	425236	50.330	ug/l	100
86) p-Isopropyltoluene	11.987	119	358451	50.113	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	198339	51.263	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	202543	51.006	ug/l	99
89) n-Butylbenzene	12.311	91	322844	48.778	ug/l	99
90) Hexachloroethane	12.518	117	68208	54.313	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	191476	51.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25029	48.313	ug/l	95
93) 1,2,4-Trichlorobenzene	13.566	180	114786	47.915	ug/l	98
94) Hexachlorobutadiene	13.707	225	37573	46.175	ug/l	100
95) Naphthalene	13.755	128	362591	49.706	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	109321	49.057	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

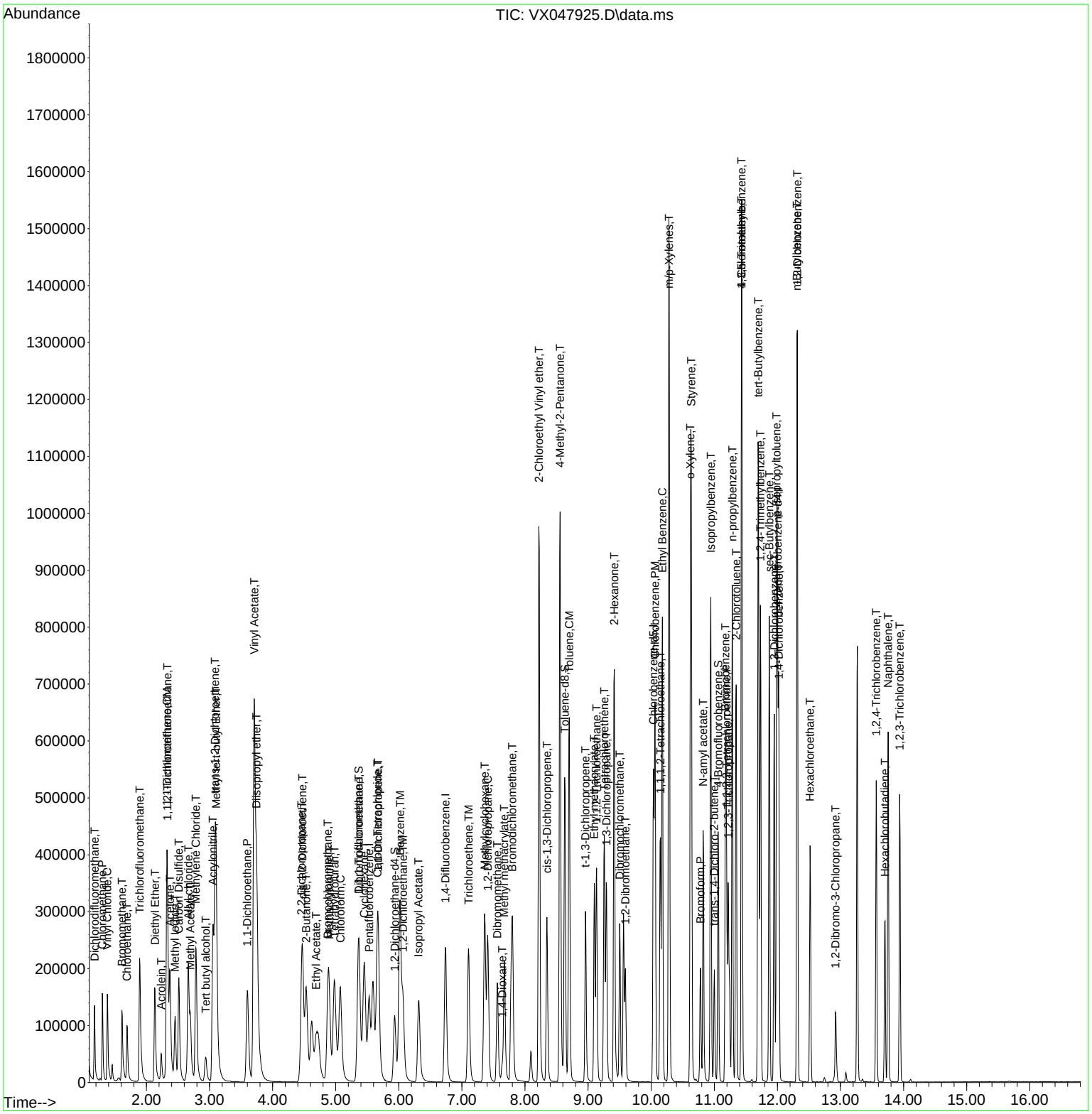
(#) = qualifier out of range (m) = manual integration (+) = signals summed

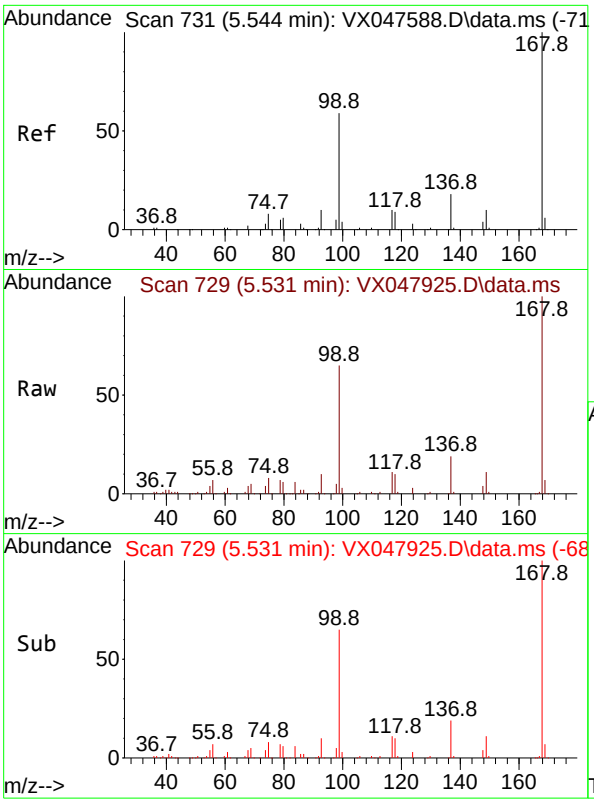
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047925.D
Acq On : 01 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 01:13:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



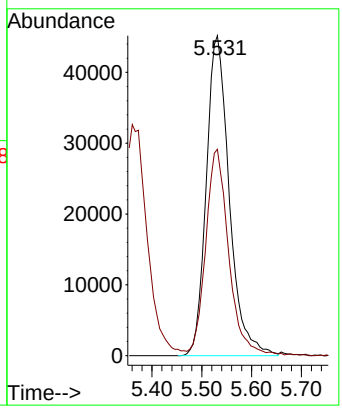


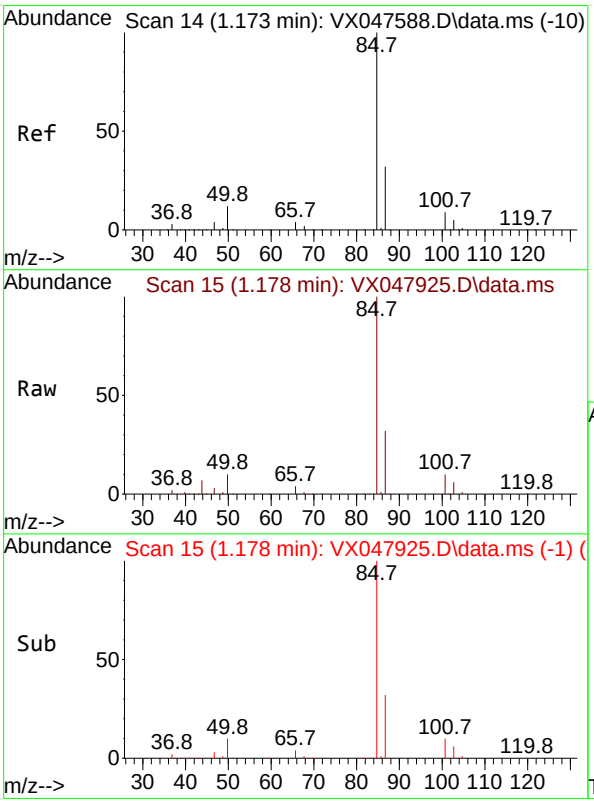
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 144631

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

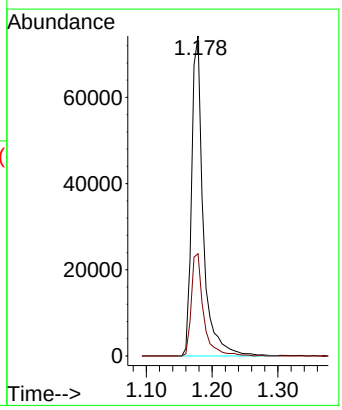


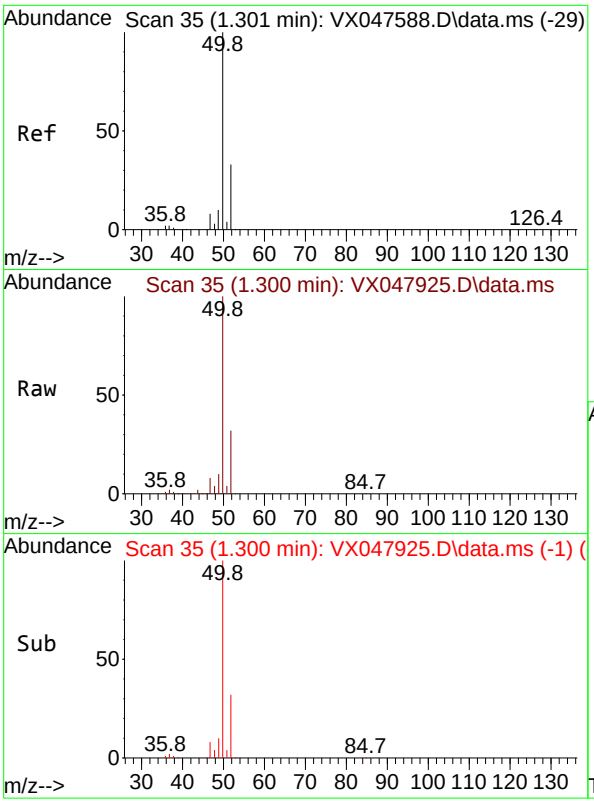


#2
Dichlorodifluoromethane
Concen: 60.818 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 85 Resp: 91085

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.8	47.3



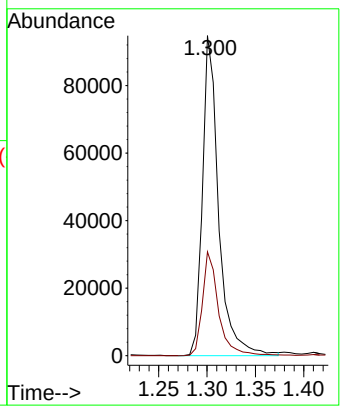


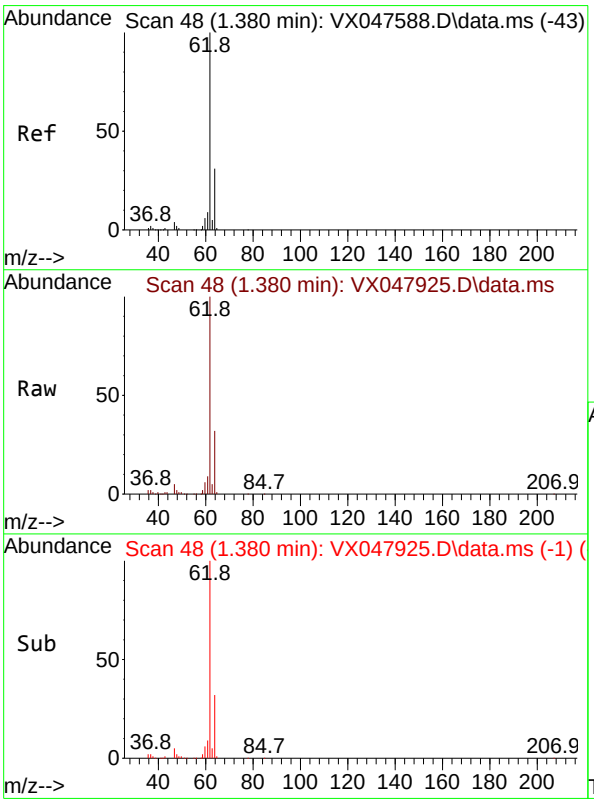
#3
Chloromethane
Concen: 56.097 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 110419

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

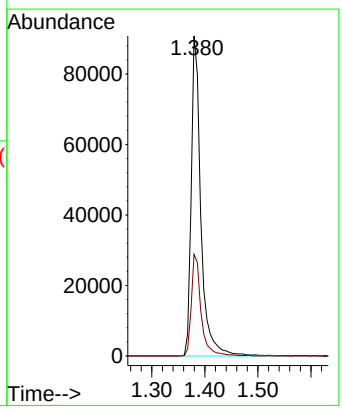


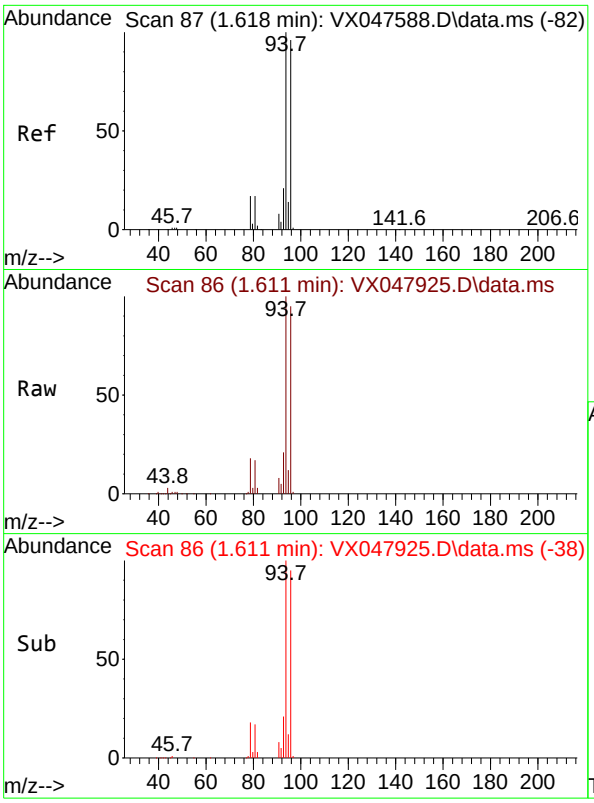


#4
Vinyl Chloride
Concen: 59.223 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 62 Resp: 114111

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3



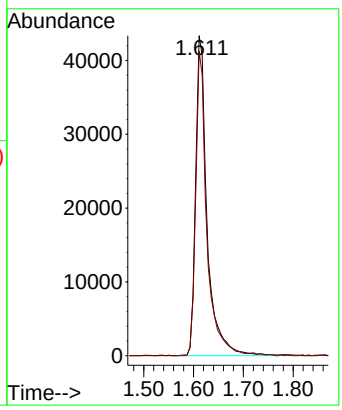


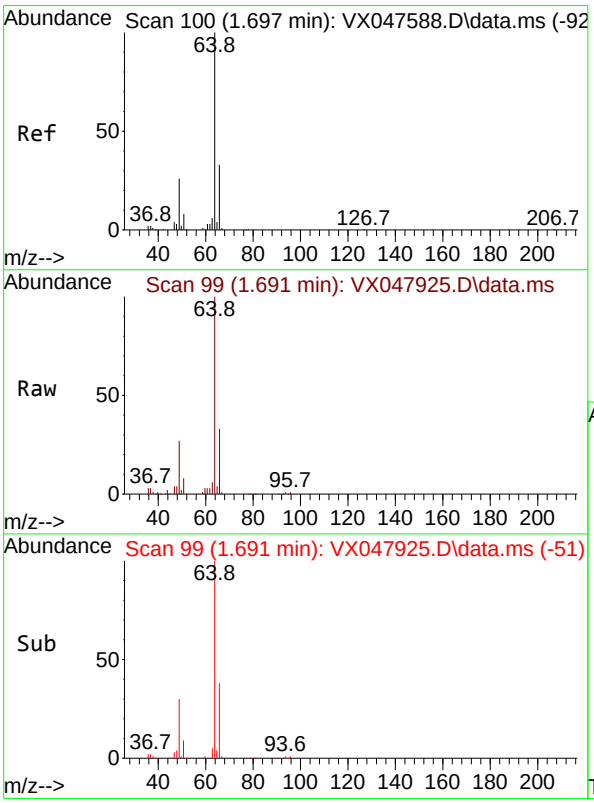
#5
Bromomethane
Concen: 56.897 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 69517

Ion	Ratio	Lower	Upper
94	100		
96	95.1	76.6	115.0

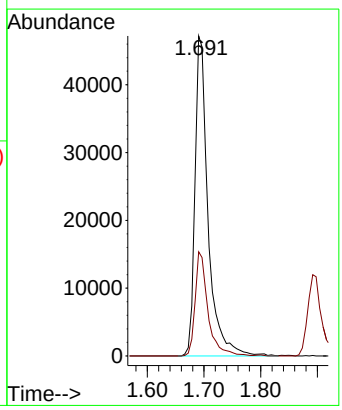


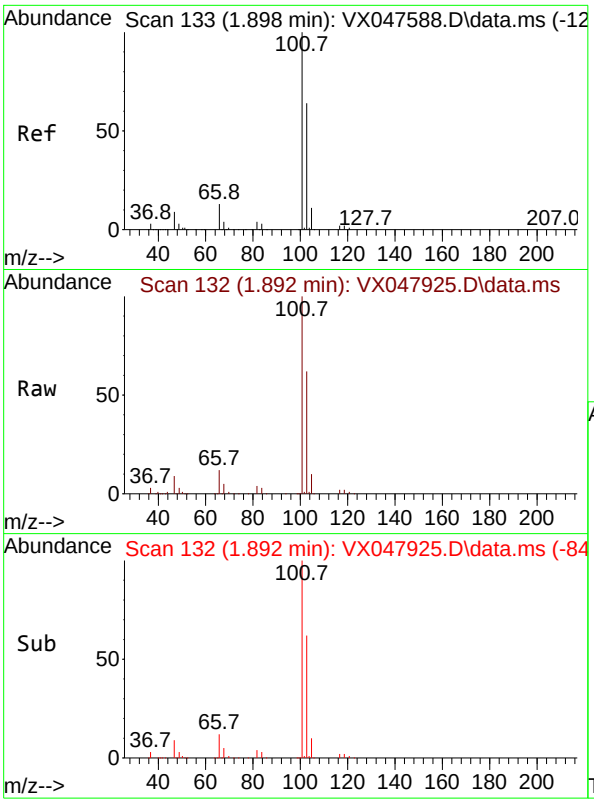


#6
Chloroethane
Concen: 58.753 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 64 Resp: 75662

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1



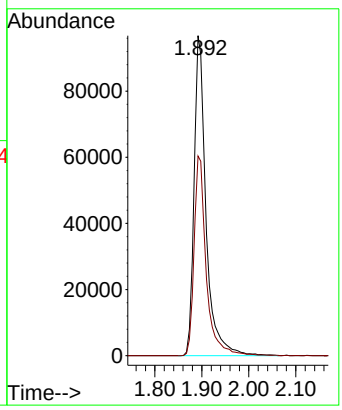


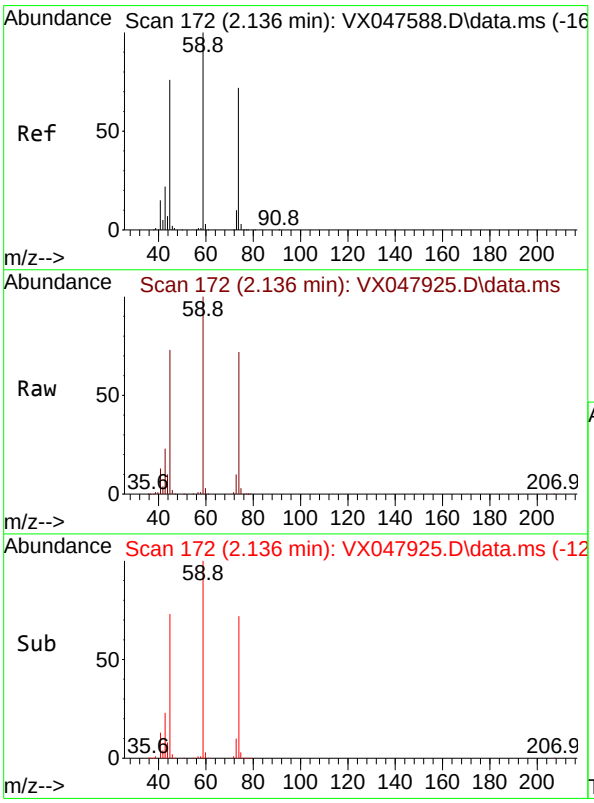
#7
Trichlorofluoromethane
Concen: 59.938 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 171477

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.4	77.2

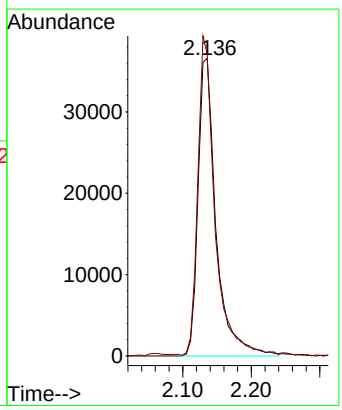


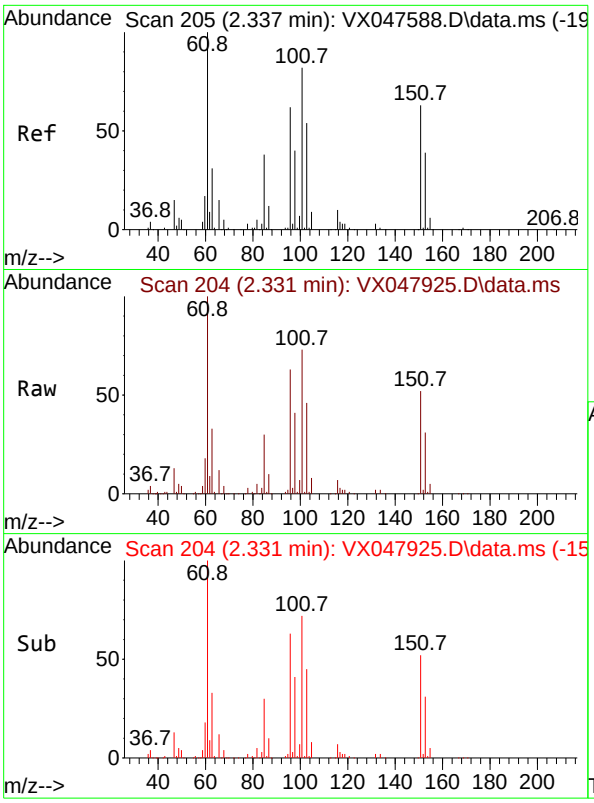


#8
Diethyl Ether
Concen: 57.386 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 74 Resp: 67159

Ion	Ratio	Lower	Upper
74	100		
45	103.2	52.3	156.8



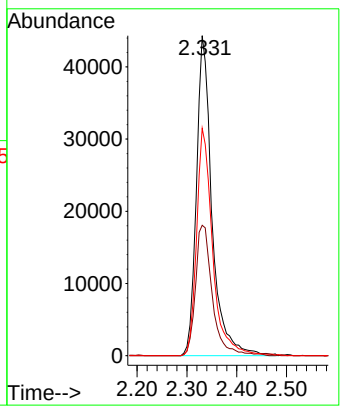


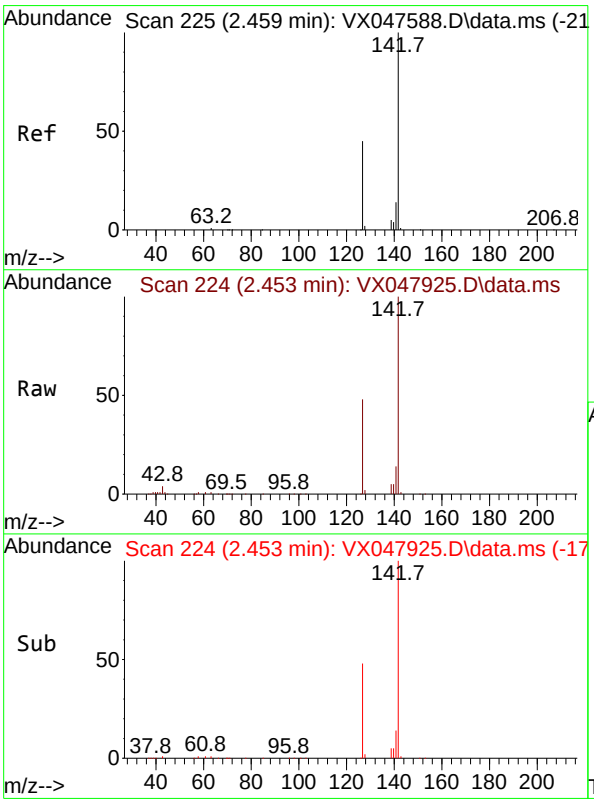
#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.462 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96125

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

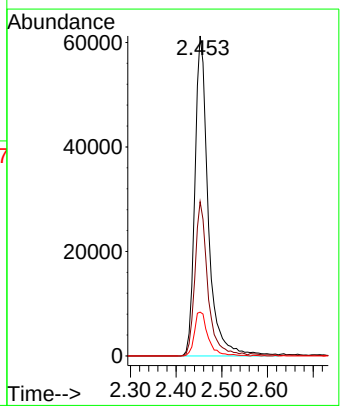


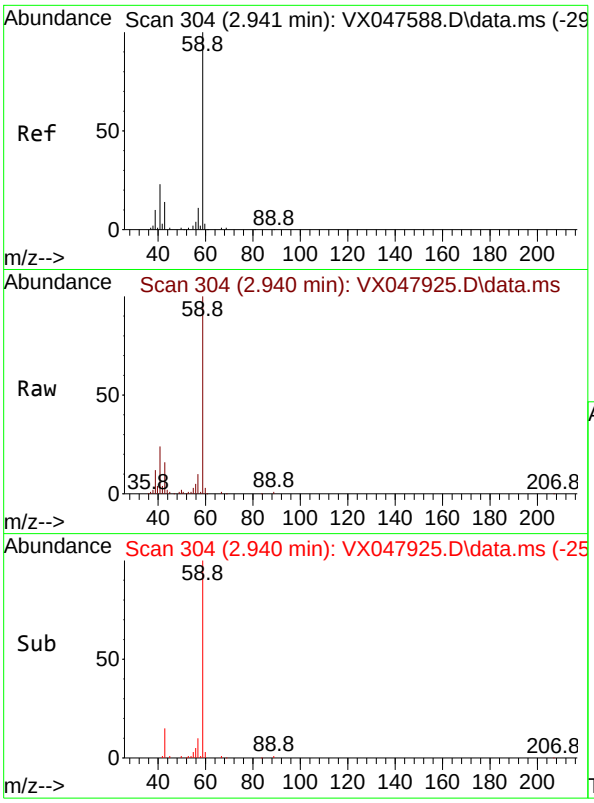


#10
Methyl Iodide
Concen: 47.798 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:142 Resp: 124704

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.0	11.4	17.0



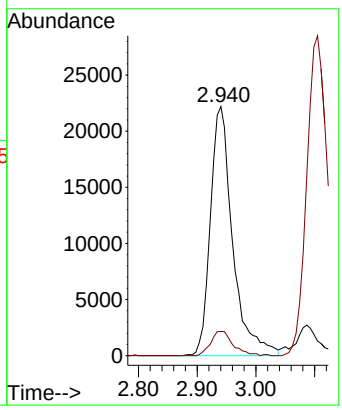


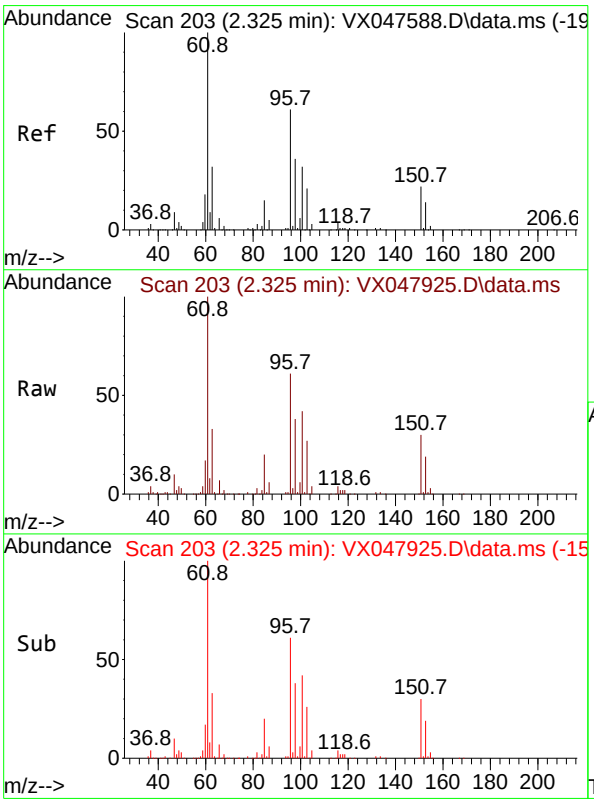
#11
Tert butyl alcohol
Concen: 227.972 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 58452

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

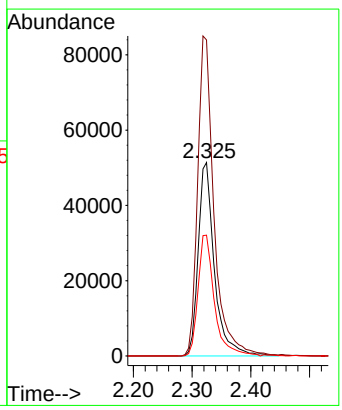


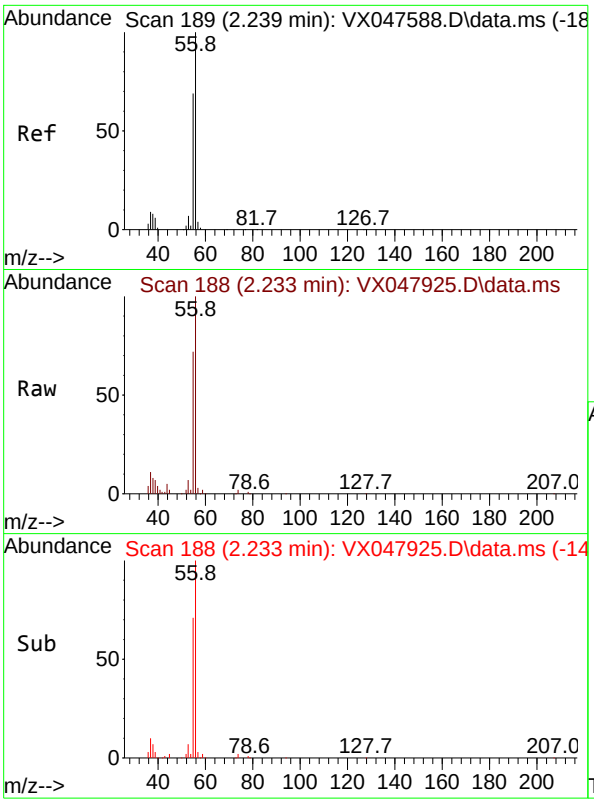


#12
1,1-Dichloroethene
Concen: 57.516 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 96 Resp: 98833

Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.0	196.6
98	62.4	47.7	71.5



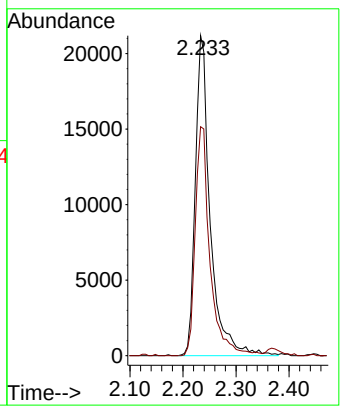


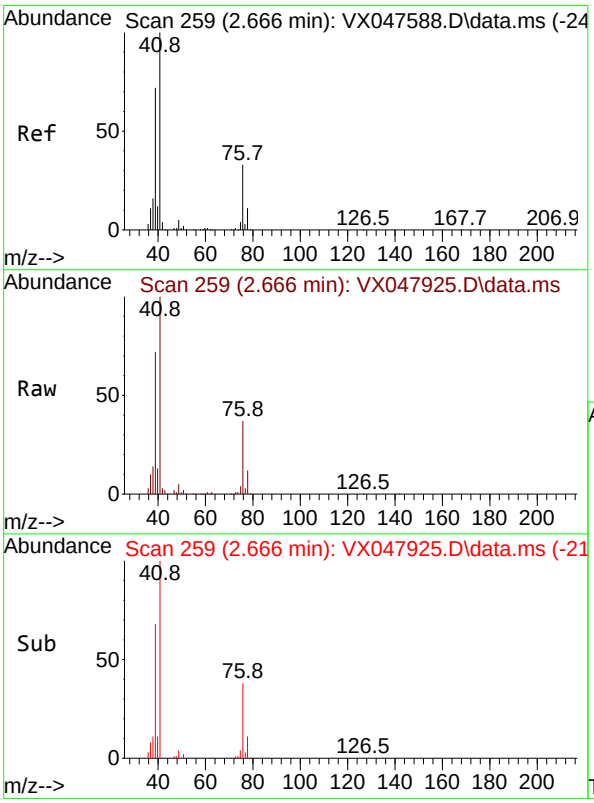
#13
Acrolein
Concen: 174.579 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 41249

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

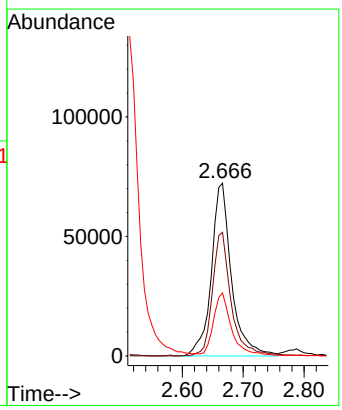


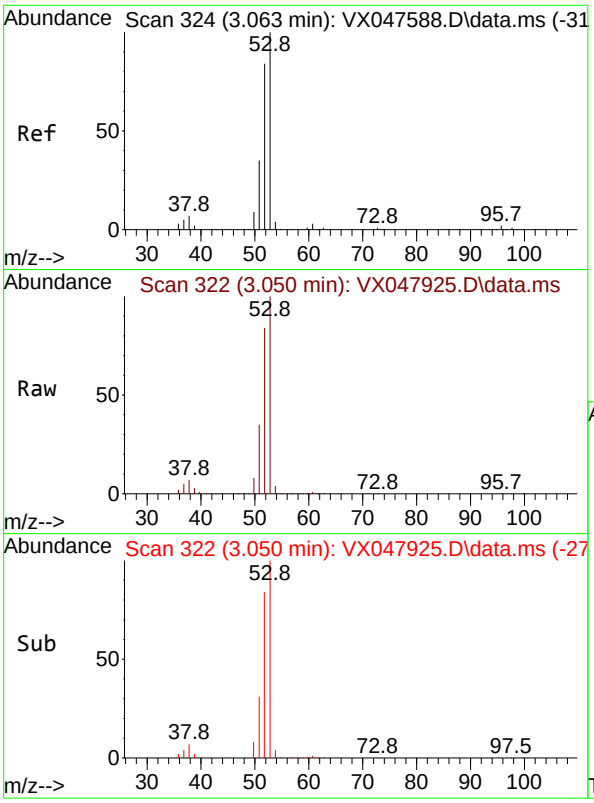


#14
Allyl chloride
Concen: 46.859 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 41 Resp: 166158

Ion	Ratio	Lower	Upper
41	100		
39	66.2	54.7	82.1
76	33.3	25.7	38.5



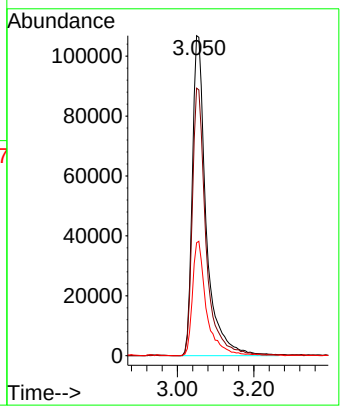


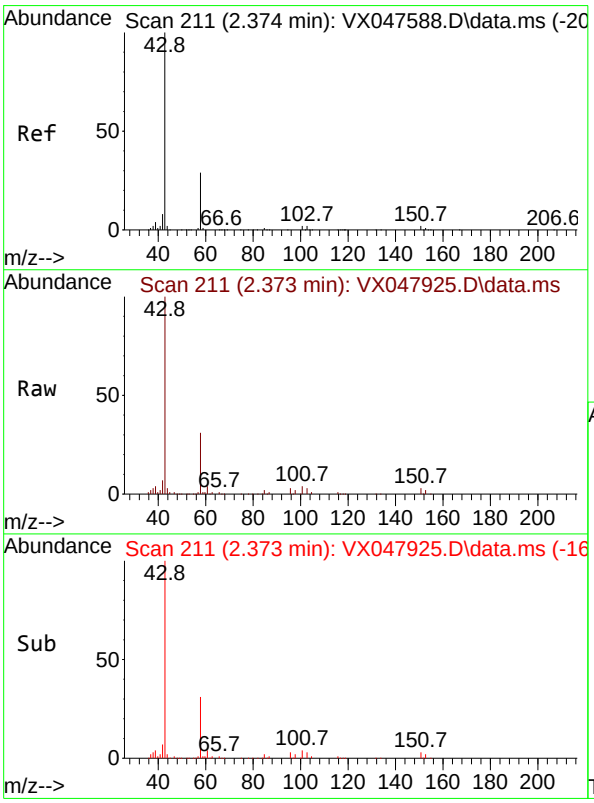
#15
Acrylonitrile
Concen: 283.637 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 269376

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	29.5	44.3

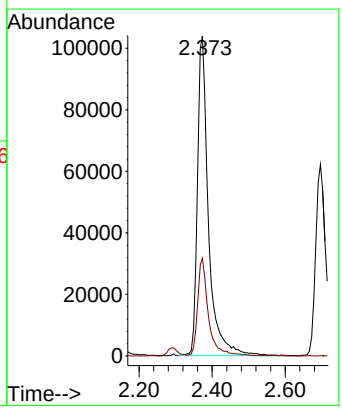


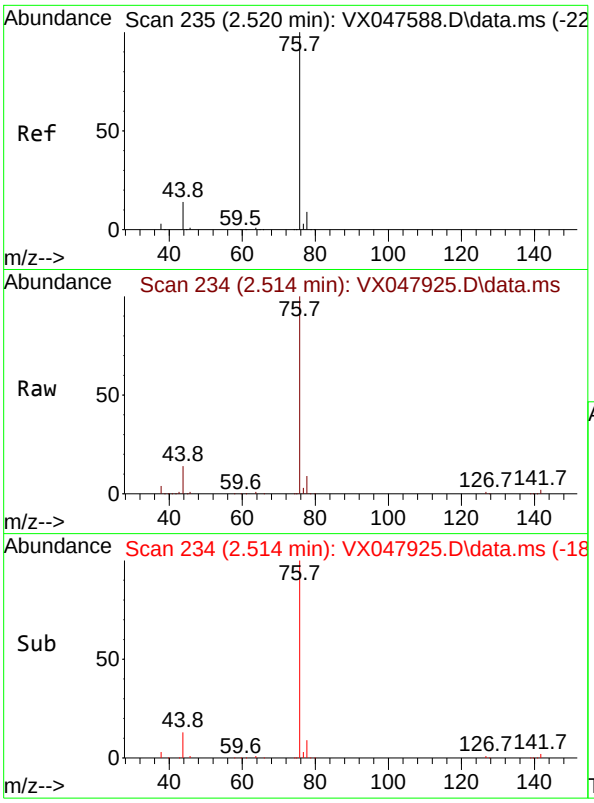


#16
Acetone
Concen: 217.782 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 217997

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0



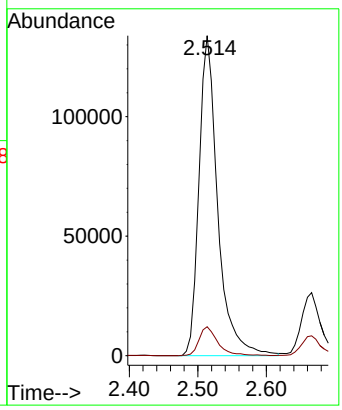


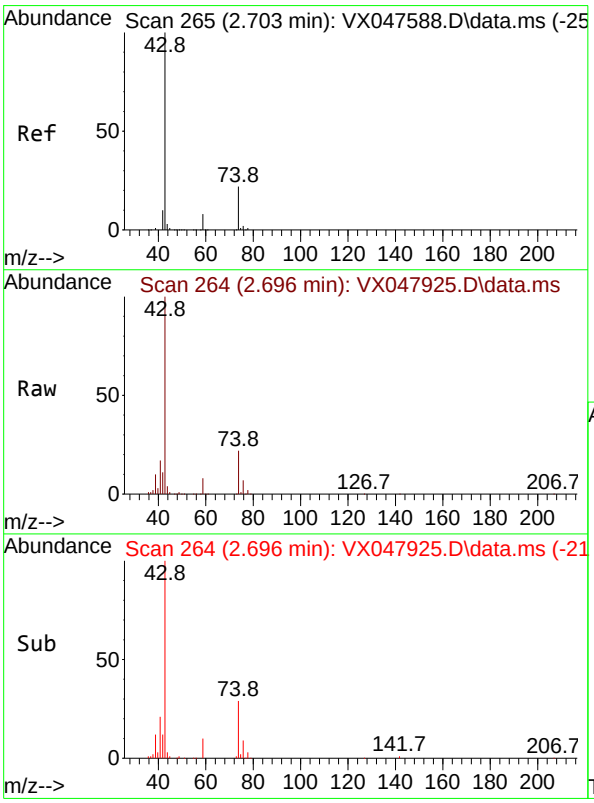
#17
Carbon Disulfide
Concen: 54.246 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 255182

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

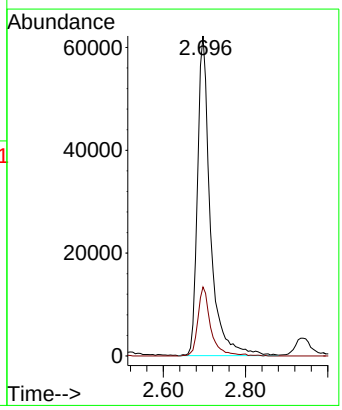


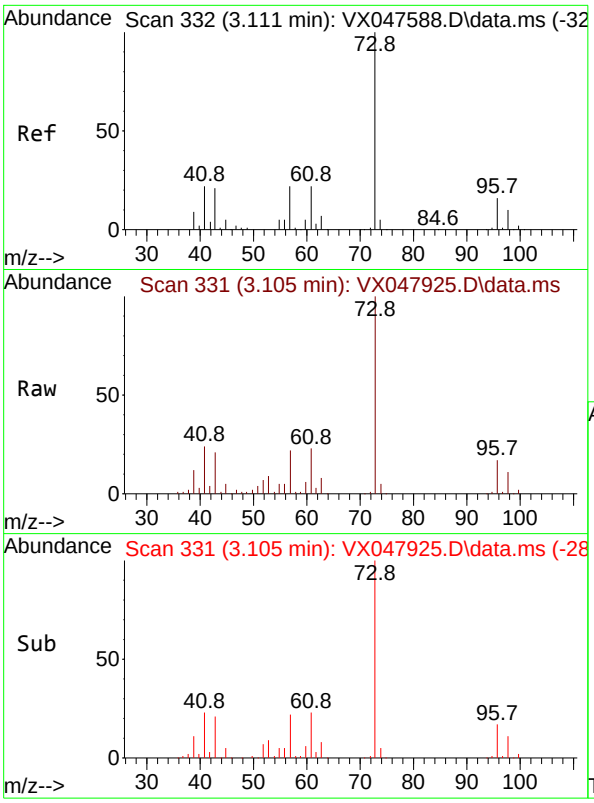


#18
Methyl Acetate
Concen: 60.389 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 134529

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2



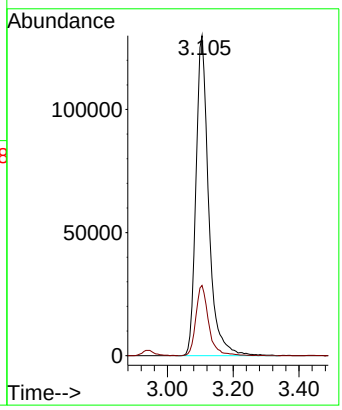


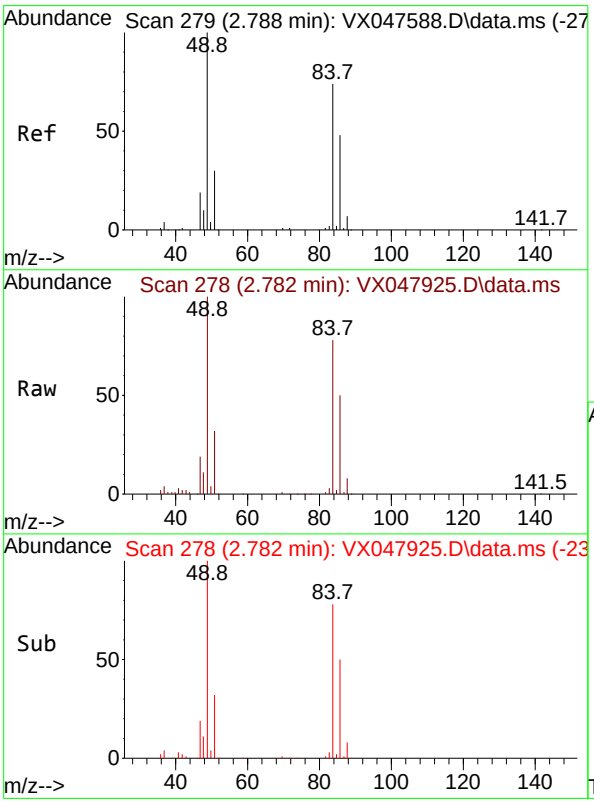
#19
Methyl tert-butyl Ether
Concen: 55.586 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 348678

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

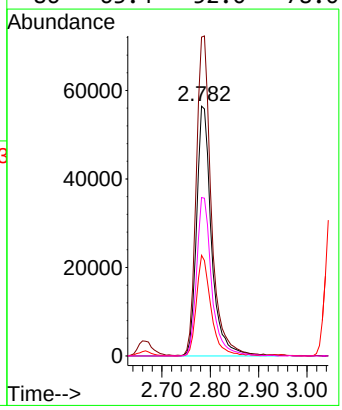


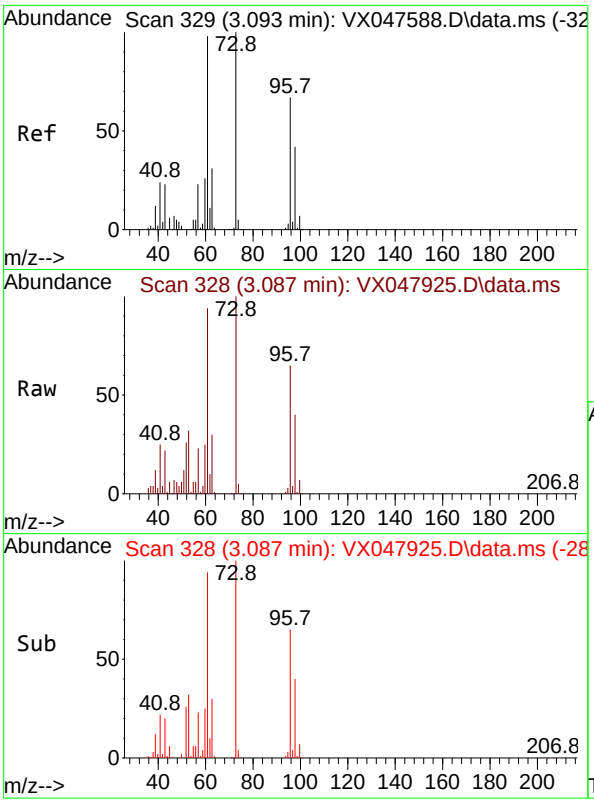


#20
Methylene Chloride
Concen: 56.927 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 84 Resp: 120618

Ion	Ratio	Lower	Upper
84	100		
49	127.4	108.6	162.8
51	40.3	32.6	48.8
86	63.4	52.0	78.0



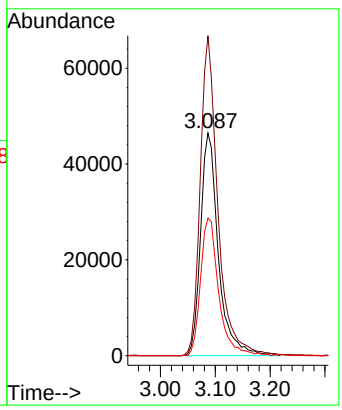


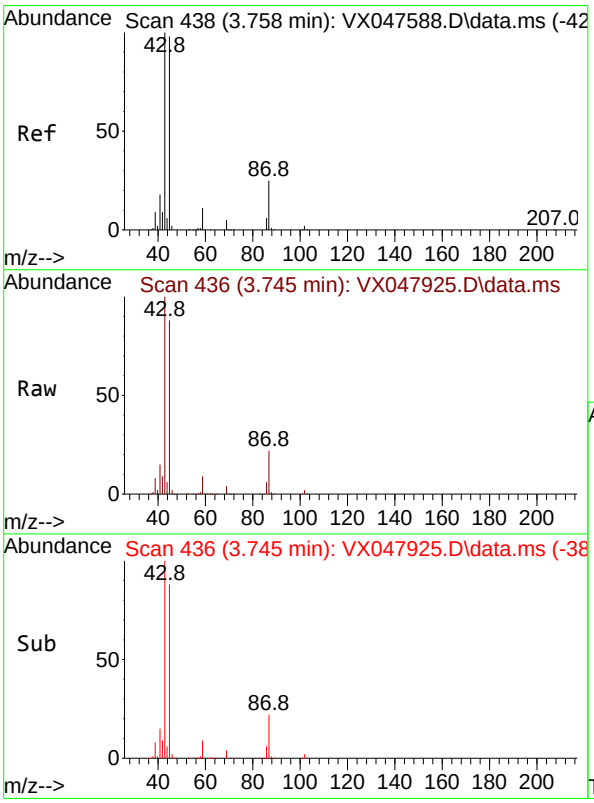
#21
trans-1,2-Dichloroethene
Concen: 56.580 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 104674

Ion	Ratio	Lower	Upper
96	100		
61	143.7	116.2	174.2
98	63.7	49.3	73.9

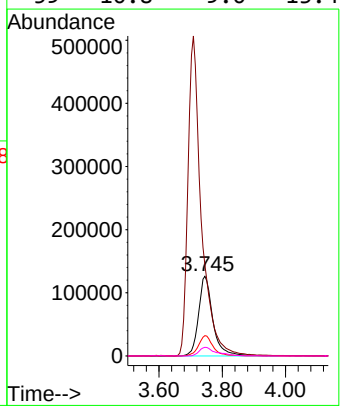


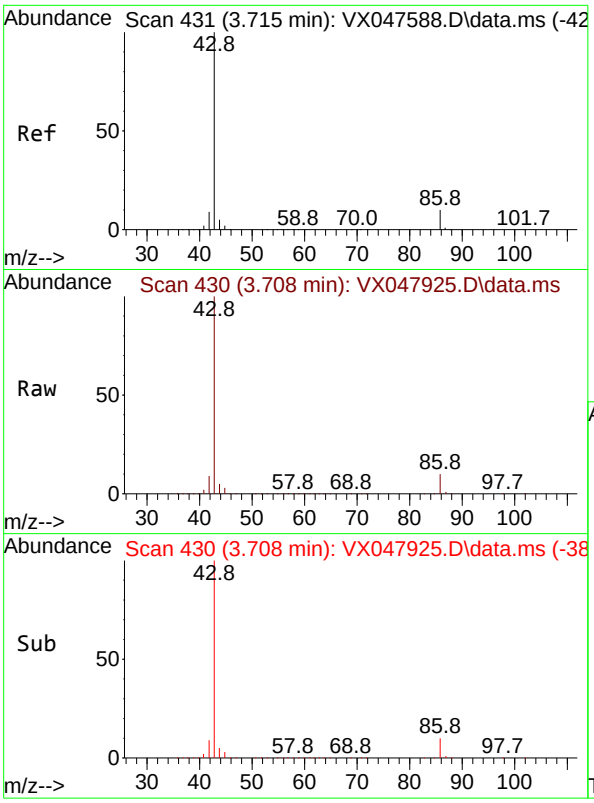


#22
Diisopropyl ether
Concen: 57.615 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 45 Resp: 395937

Ion	Ratio	Lower	Upper
45	100		
43	113.4	81.0	121.4
87	25.6	20.3	30.5
59	10.8	9.0	13.4



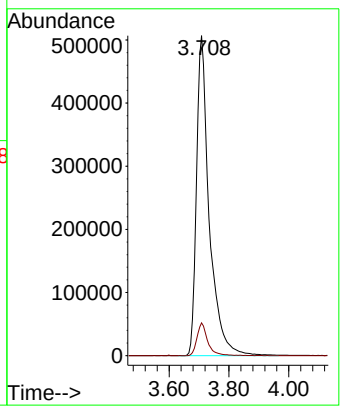


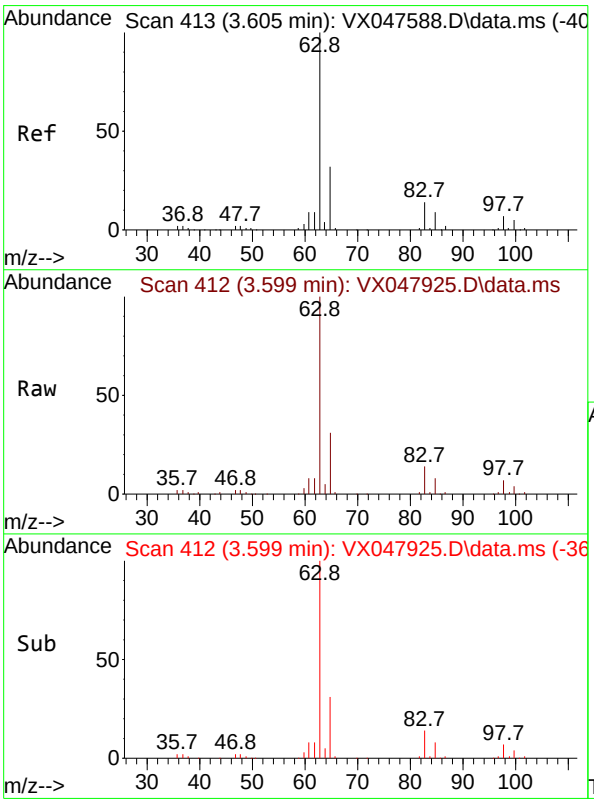
#23
Vinyl Acetate
Concen: 272.705 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1499884

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

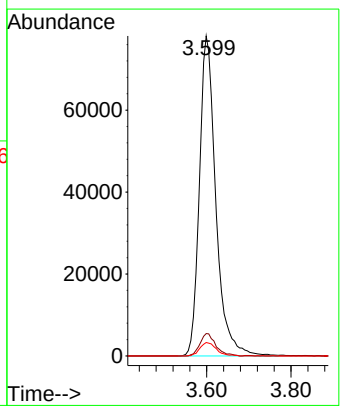


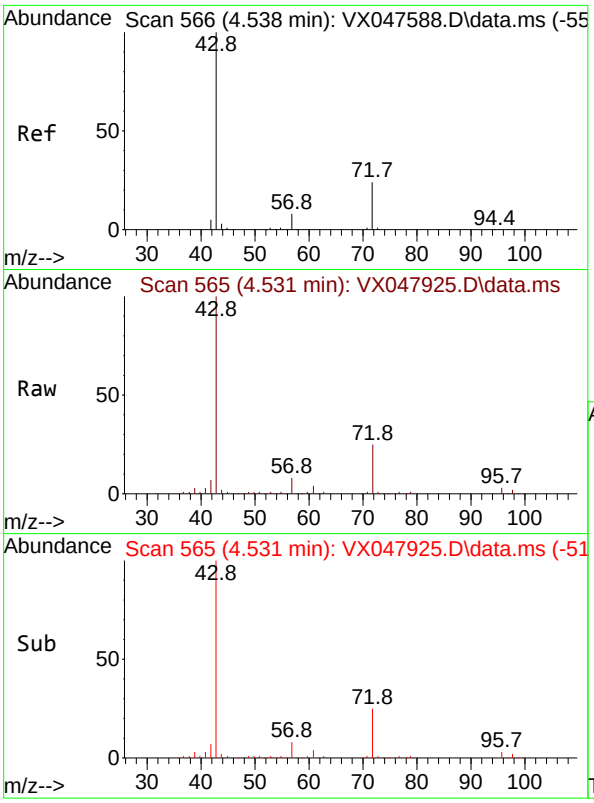


#24
1,1-Dichloroethane
Concen: 58.077 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 63 Resp: 212129

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.4	2.3	6.9



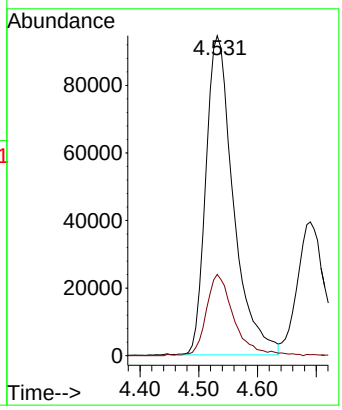


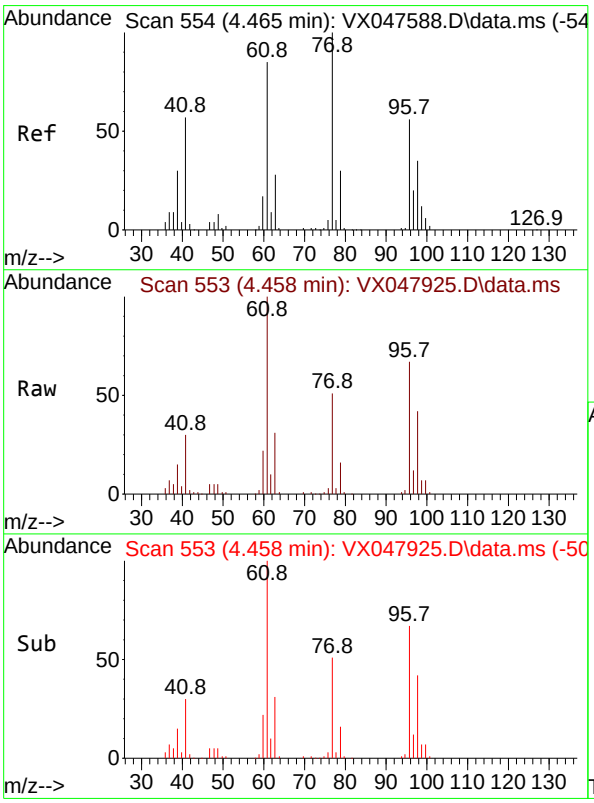
#25
2-Butanone
Concen: 245.974 ug/l
RT: 4.531 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 307124

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.1	30.1

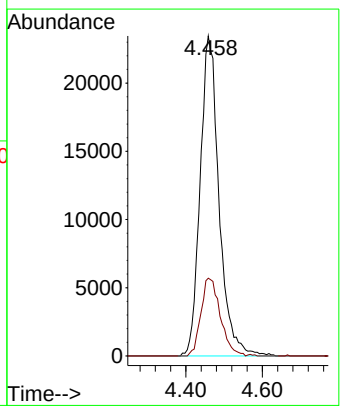


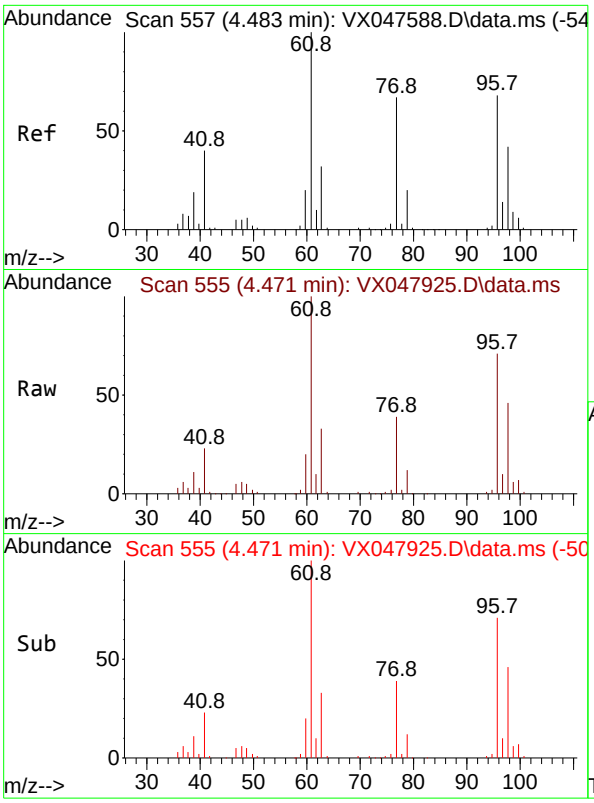


#26
2,2-Dichloropropane
Concen: 26.480 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 77 Resp: 80398

Ion	Ratio	Lower	Upper
77	100		
97	24.9	10.9	32.7



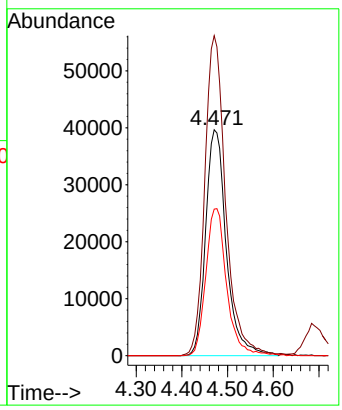


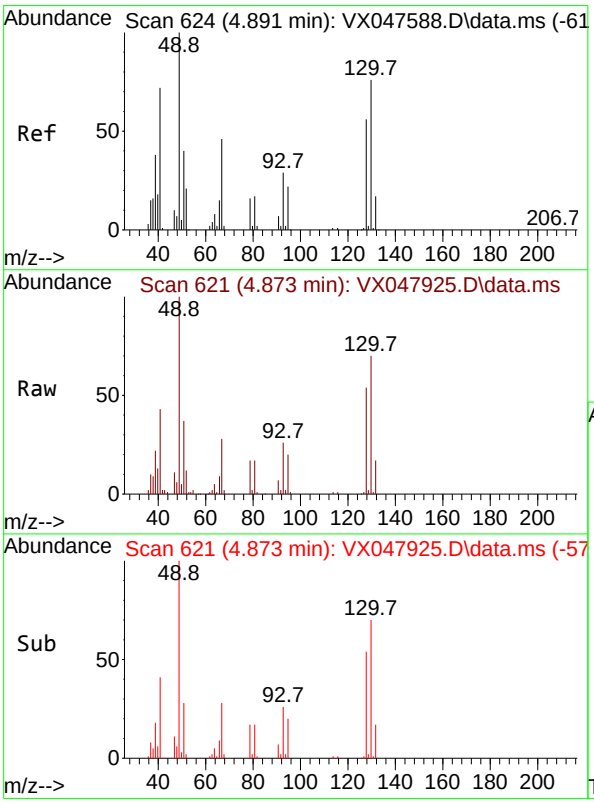
#27
cis-1,2-Dichloroethene
Concen: 55.037 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 124695

Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	303.2
98	65.8	0.0	127.8

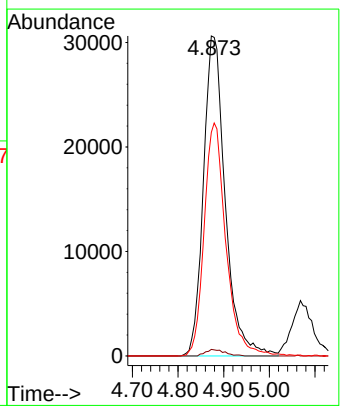


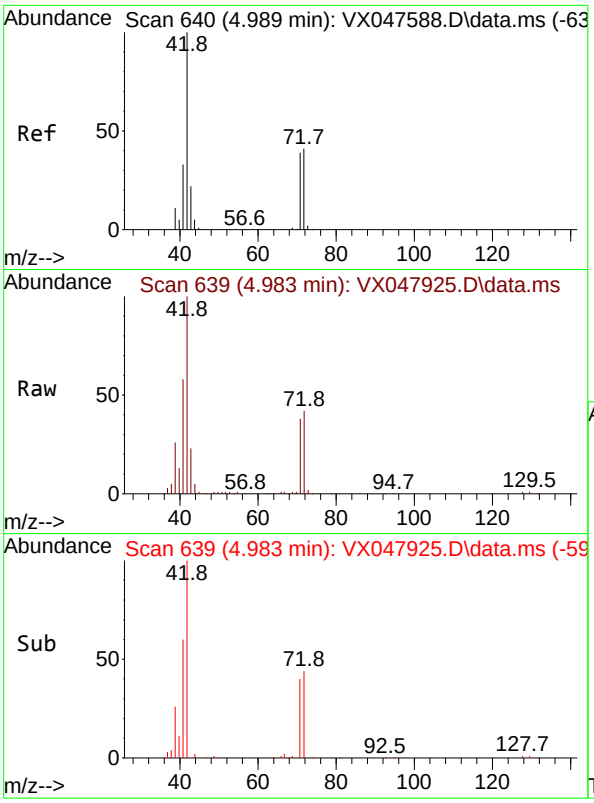


#28
Bromochloromethane
Concen: 63.766 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.019 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 49 Resp: 101680

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.7	57.8	86.8



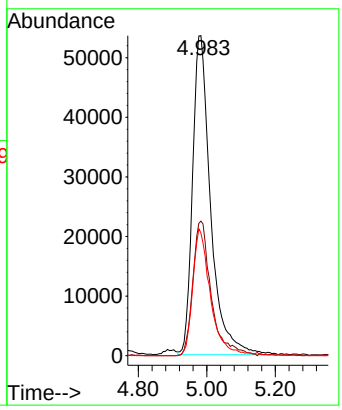


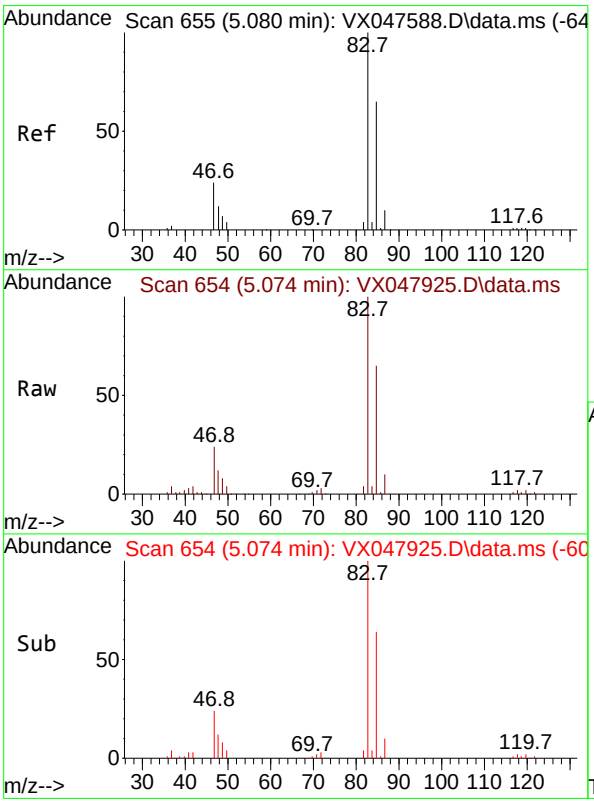
#29
Tetrahydrofuran
Concen: 261.737 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 196599

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	38.8	31.9	47.9

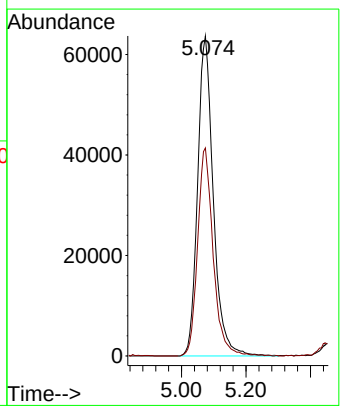


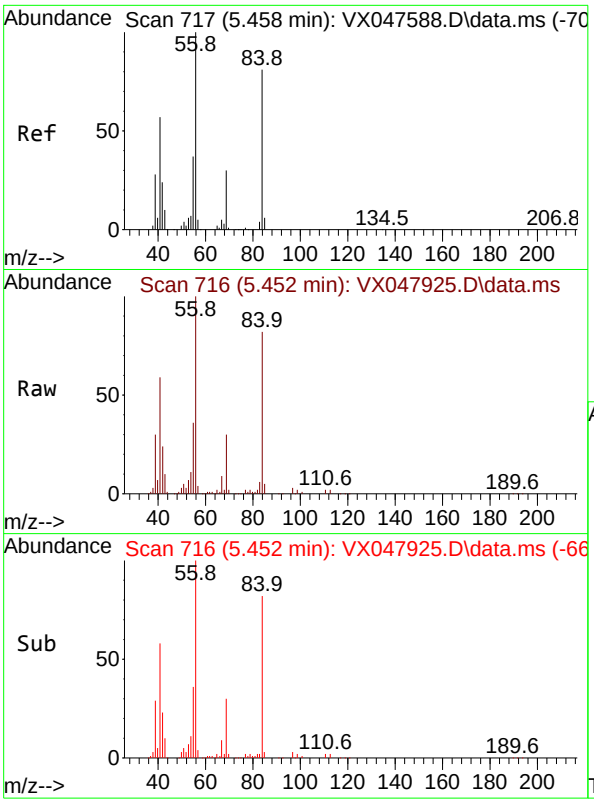


#30
Chloroform
Concen: 58.176 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 83 Resp: 214728

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6



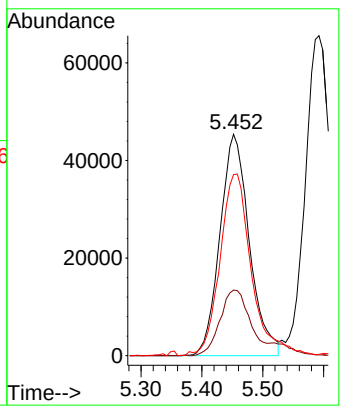


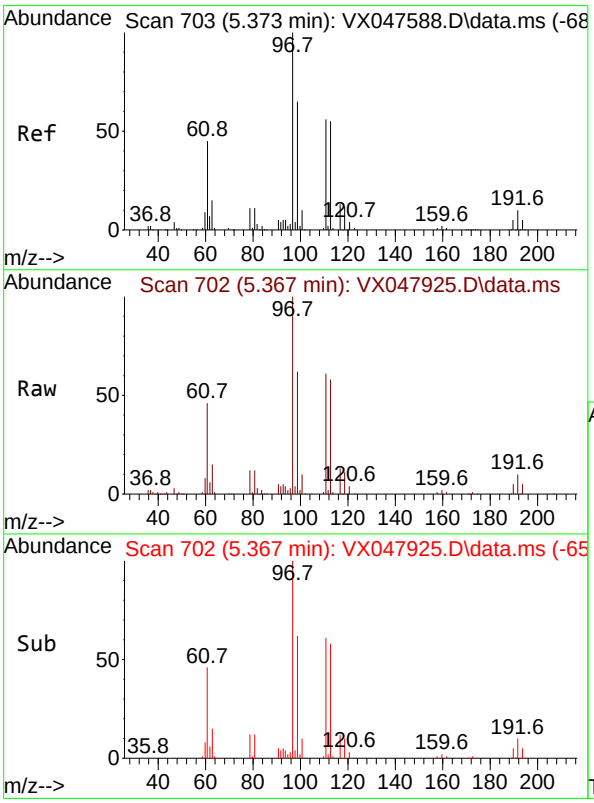
#31
Cyclohexane
Concen: 50.000 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 152106

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	81.6	64.6	97.0

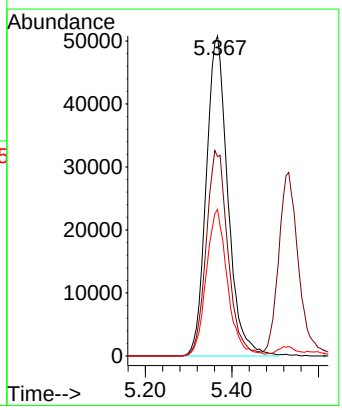


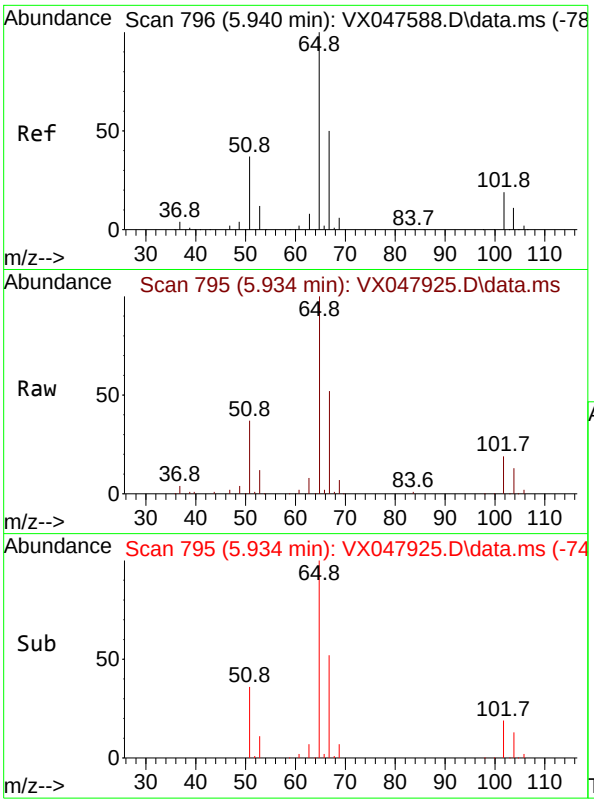


#32
1,1,1-Trichloroethane
Concen: 56.279 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 97 Resp: 176197

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	76.0
61	45.1	35.8	53.8



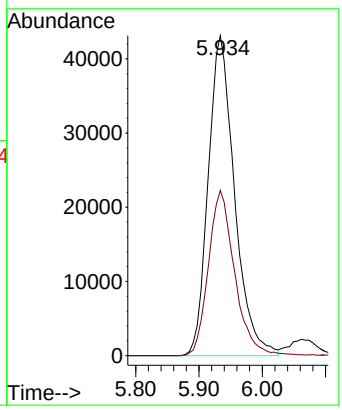


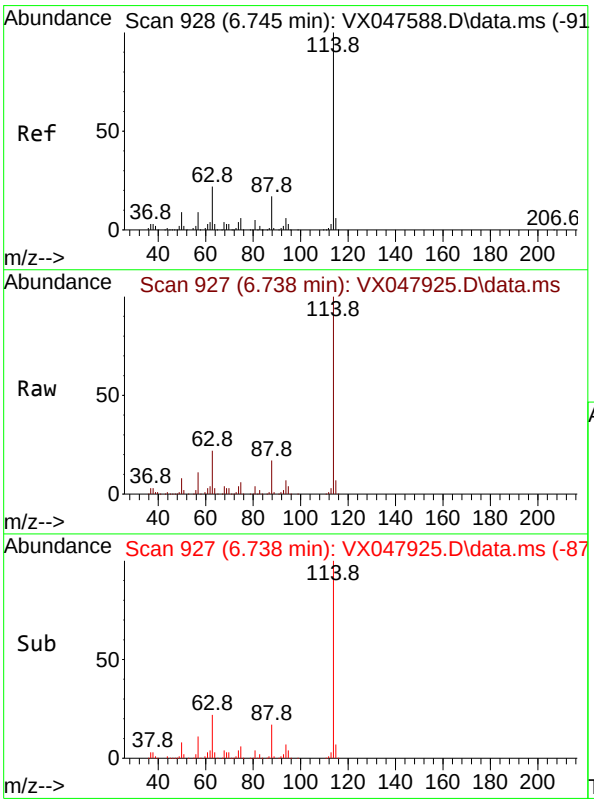
#33
1,2-Dichloroethane-d4
Concen: 54.160 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 124685

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

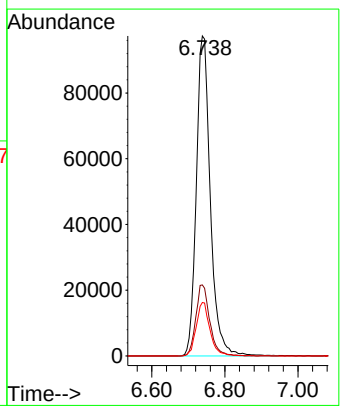


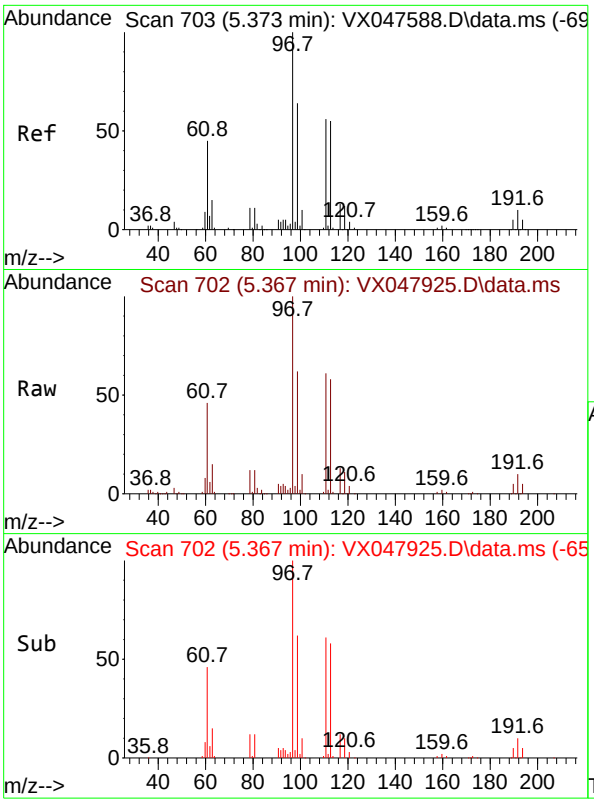


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:114 Resp: 260134

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.7	0.0	34.2



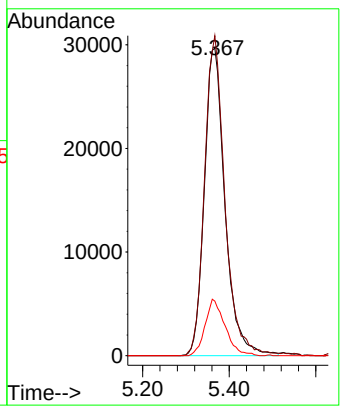


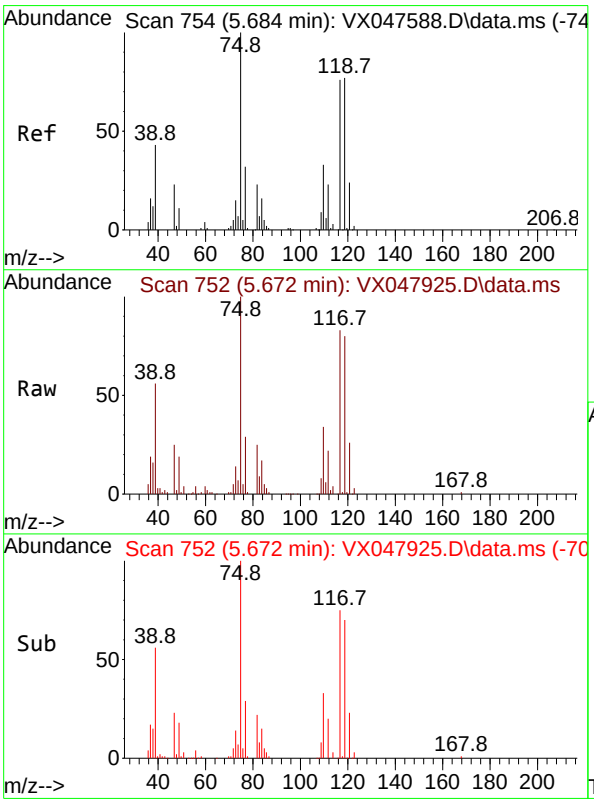
#35
Dibromofluoromethane
Concen: 56.326 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 98267

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	17.8	14.2	21.4

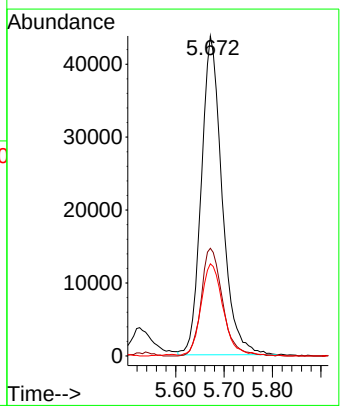


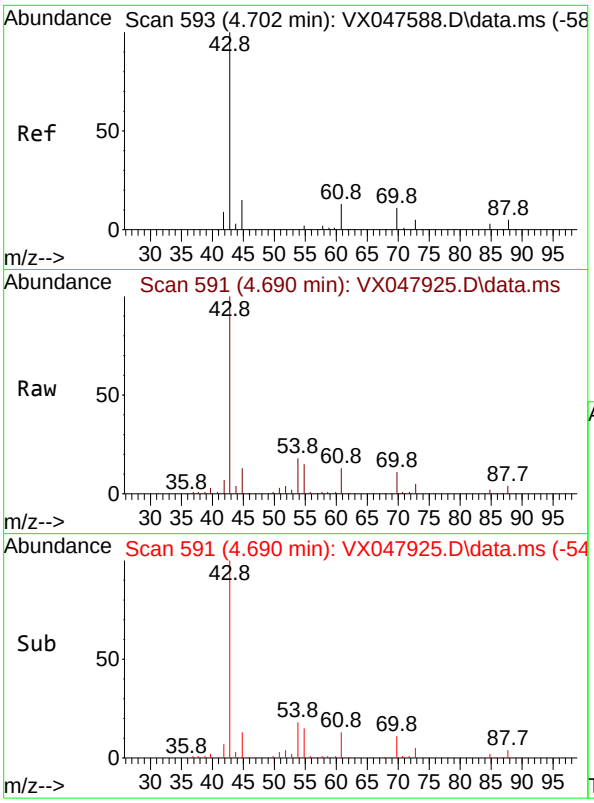


#36
1,1-Dichloropropene
Concen: 51.260 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 130677

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.1
77	30.6	24.3	36.5



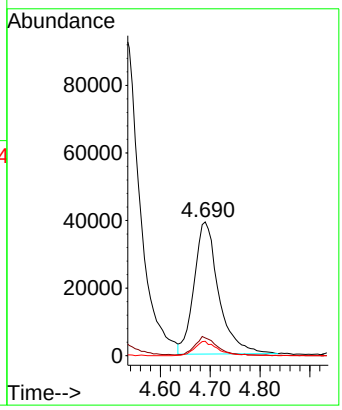


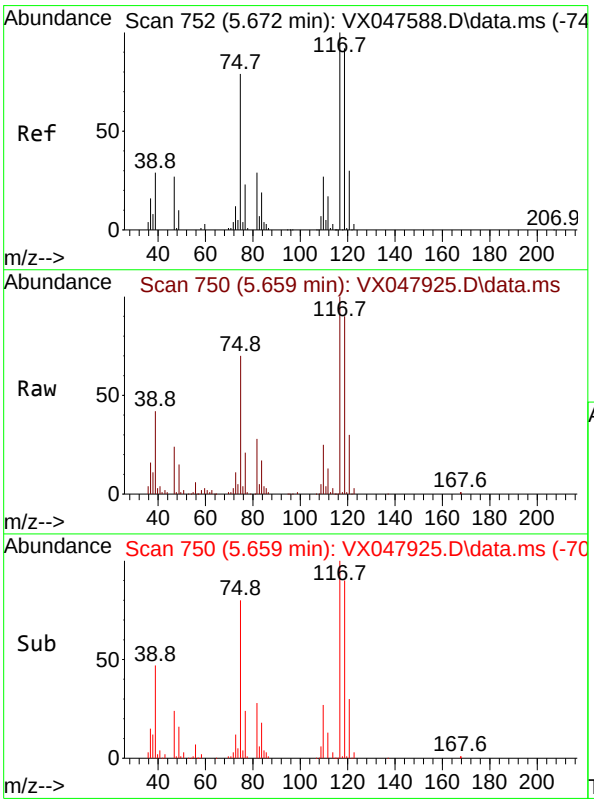
#37
Ethyl Acetate
Concen: 49.140 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 134131

Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.8
70	10.3	7.9	11.9

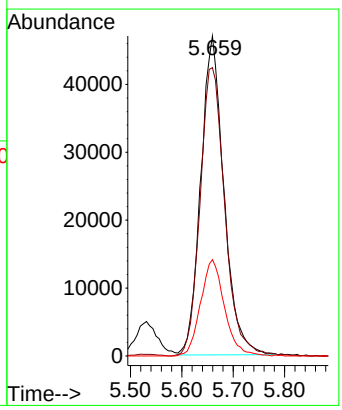


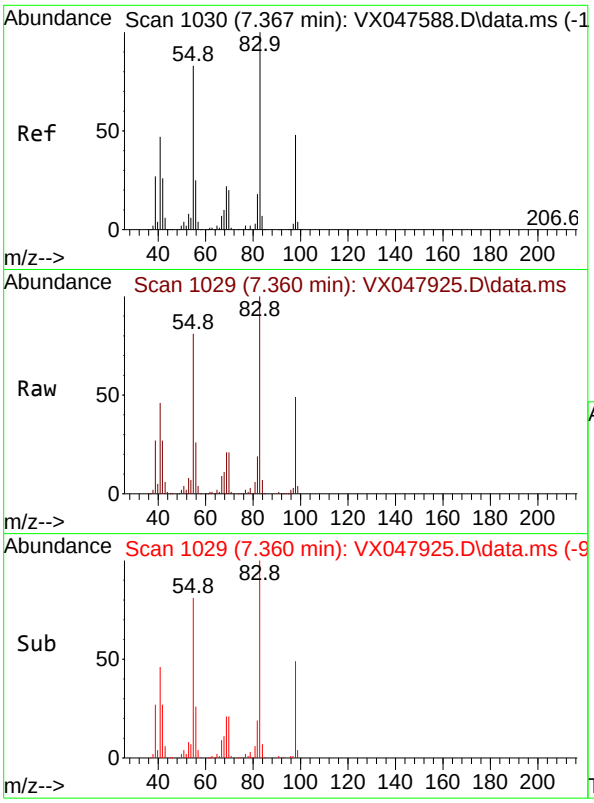


#38
Carbon Tetrachloride
Concen: 53.104 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:117 Resp: 147089

Ion	Ratio	Lower	Upper
117	100		
119	90.2	73.4	110.2
121	30.1	23.8	35.6



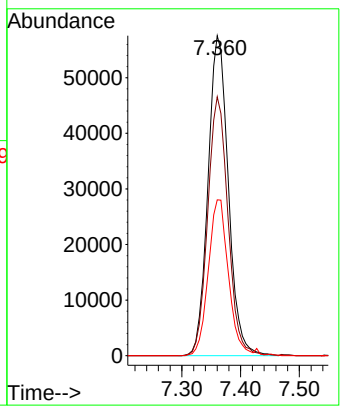


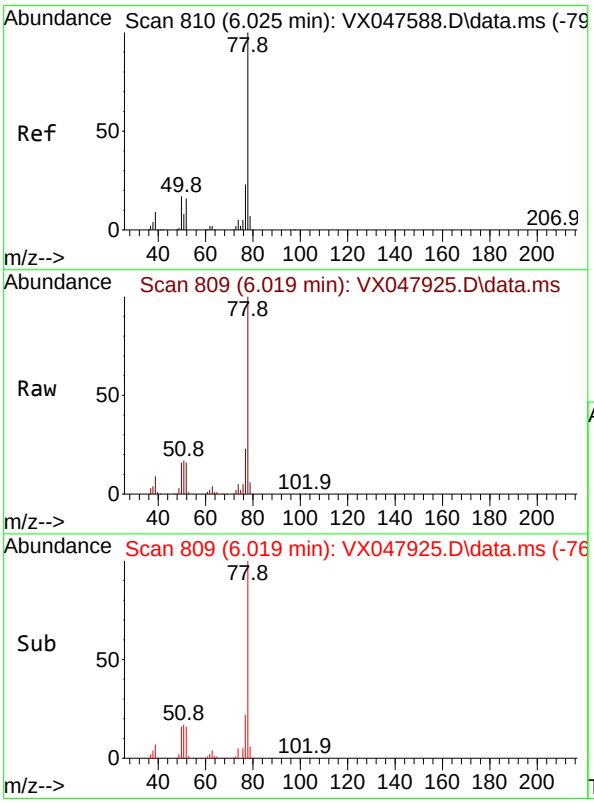
#39
Methylcyclohexane
Concen: 47.876 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 138542

Ion	Ratio	Lower	Upper
83	100		
55	80.9	66.4	99.6
98	48.7	38.1	57.1

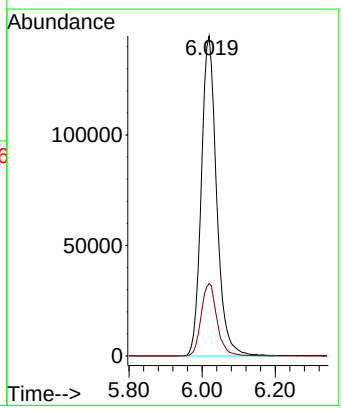


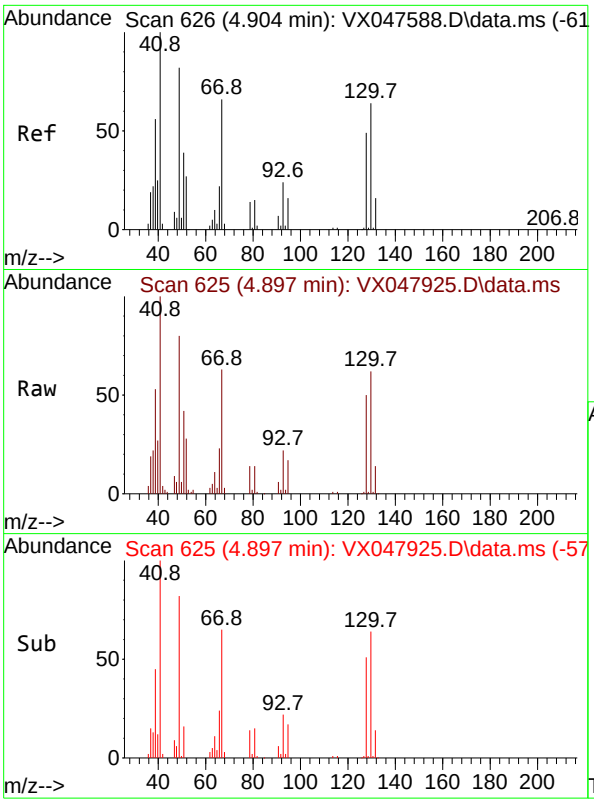


#40
Benzene
Concen: 54.405 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 78 Resp: 421247

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2



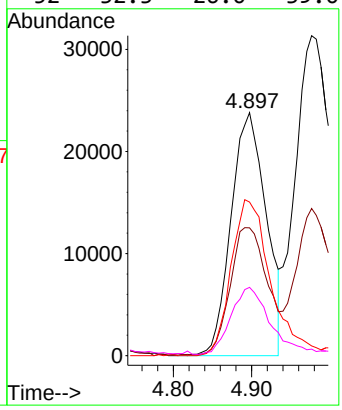


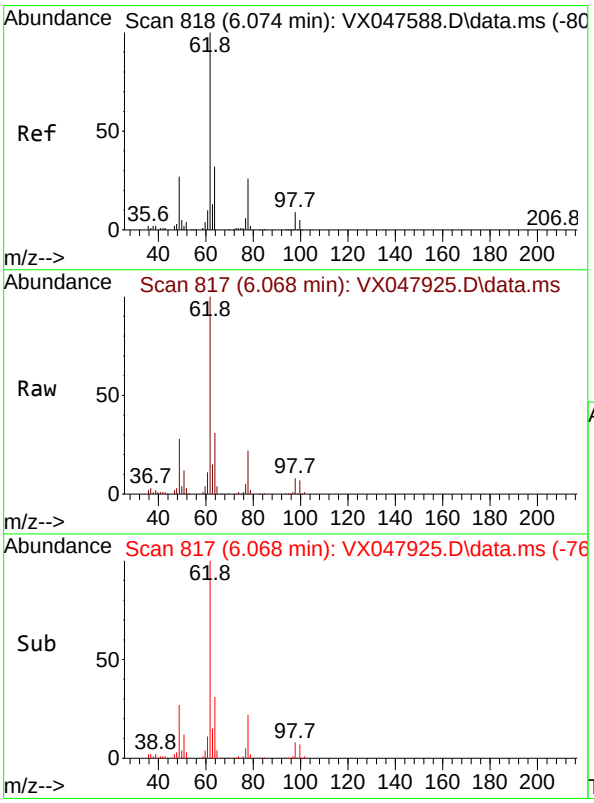
#41
Methacrylonitrile
Concen: 52.746 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 74326

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	71.9	58.6	87.8
52	32.3	26.0	39.0

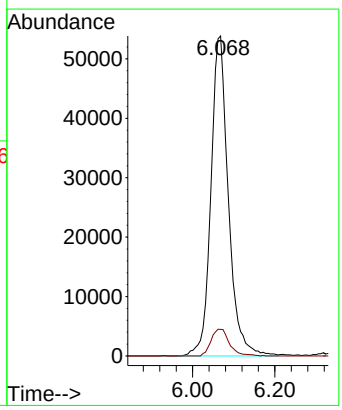


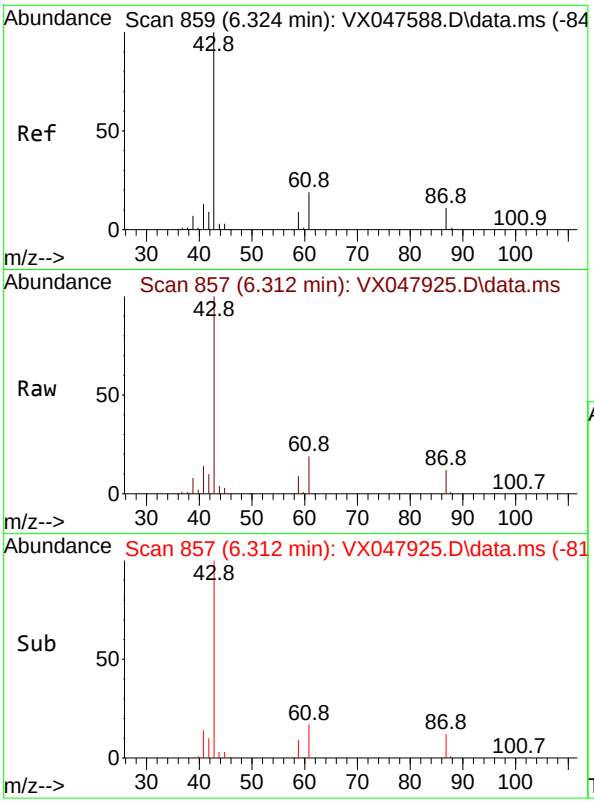


#42
1,2-Dichloroethane
Concen: 53.834 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 62 Resp: 158595

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



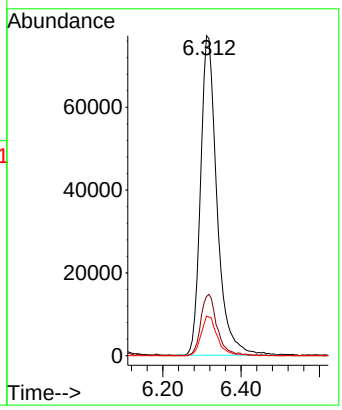


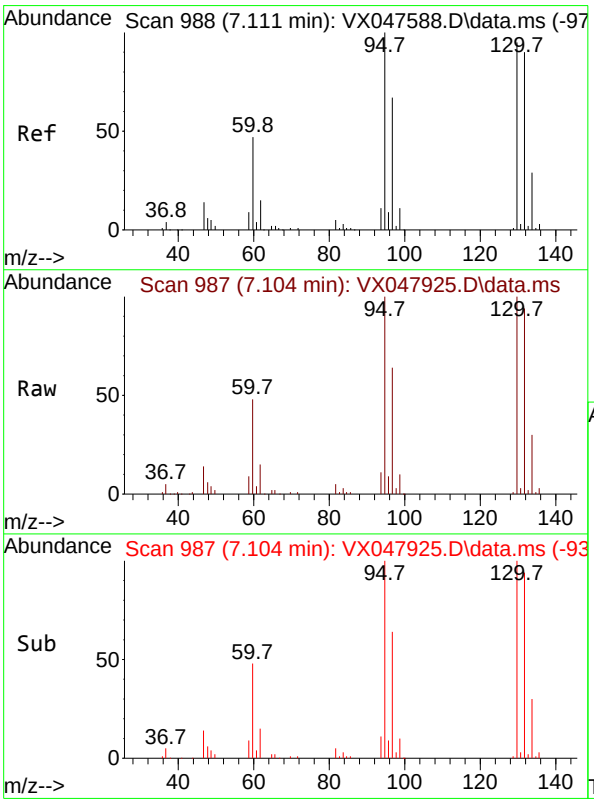
#43
Isopropyl Acetate
Concen: 50.267 ug/l
RT: 6.312 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 225027

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

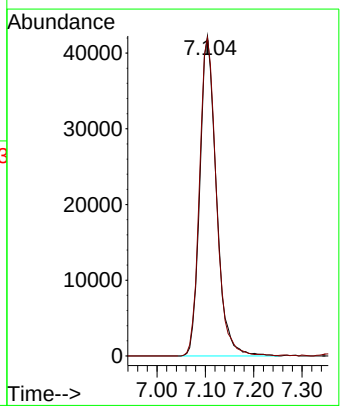


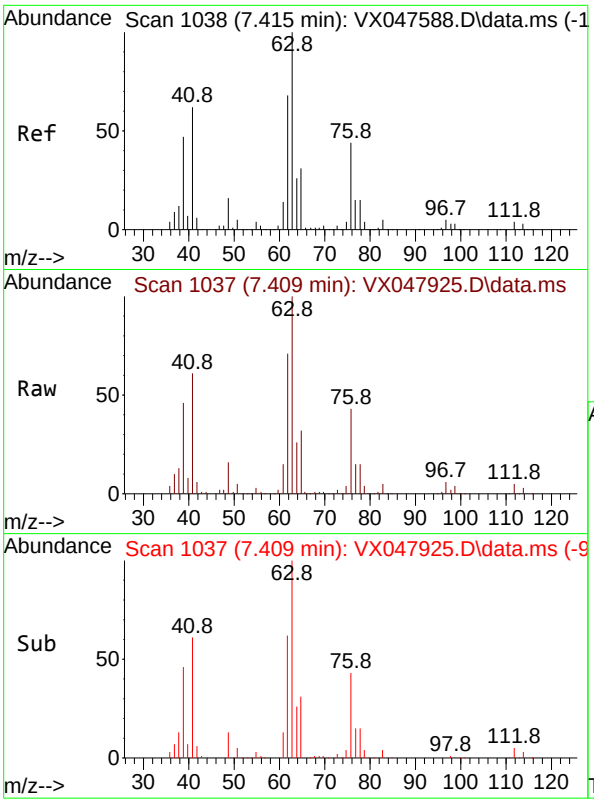


#44
Trichloroethene
Concen: 53.557 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:130 Resp: 100254

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	210.8



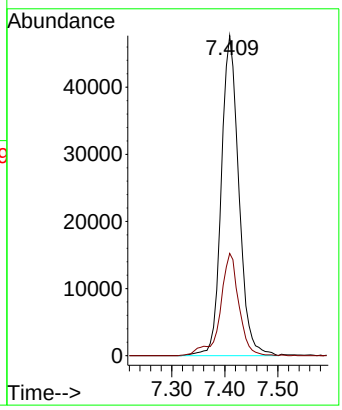


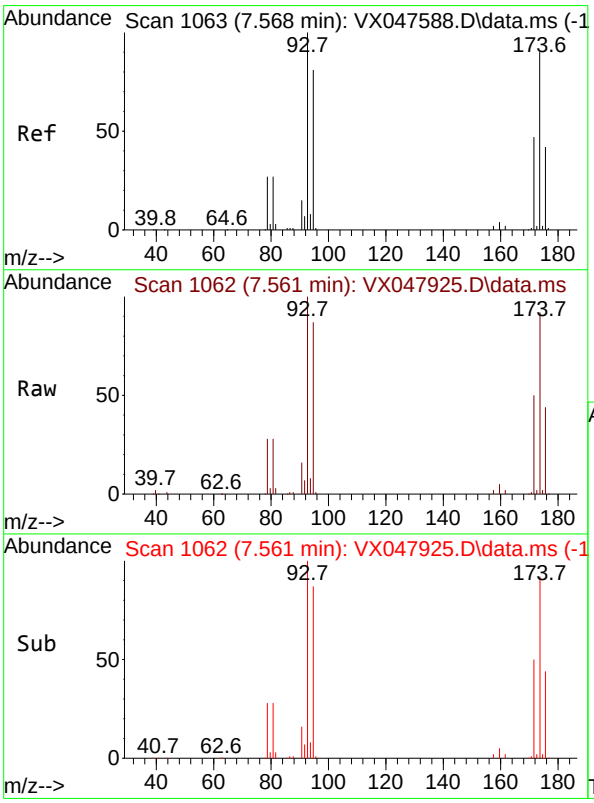
#45
1,2-Dichloropropane
Concen: 55.275 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 109590

Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.7	37.1

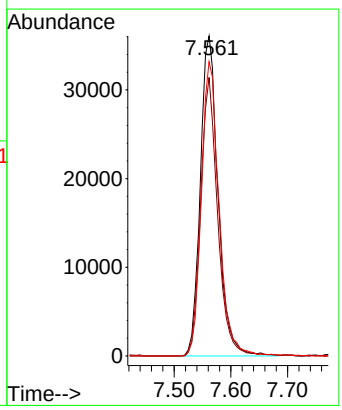


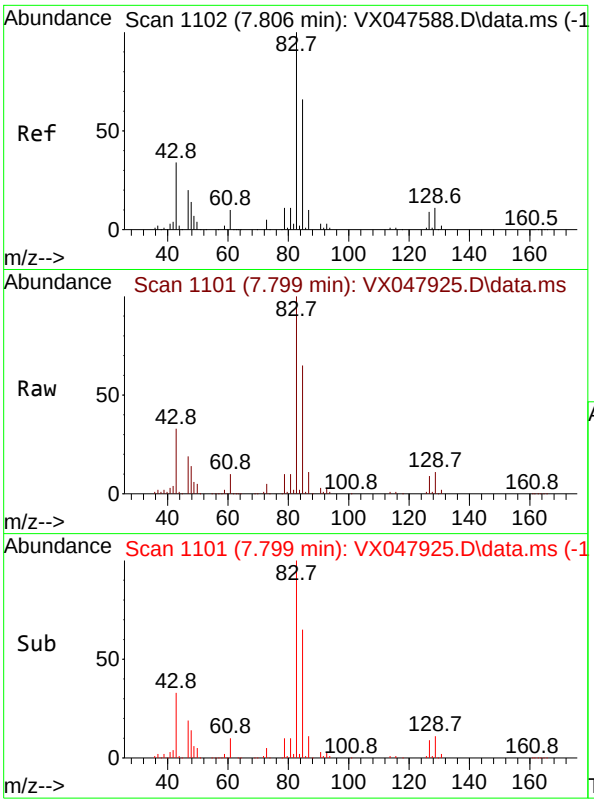


#46
Dibromomethane
Concen: 54.318 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 93 Resp: 78369

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	91.9	71.6	107.4



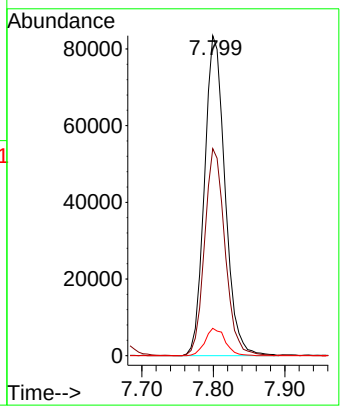


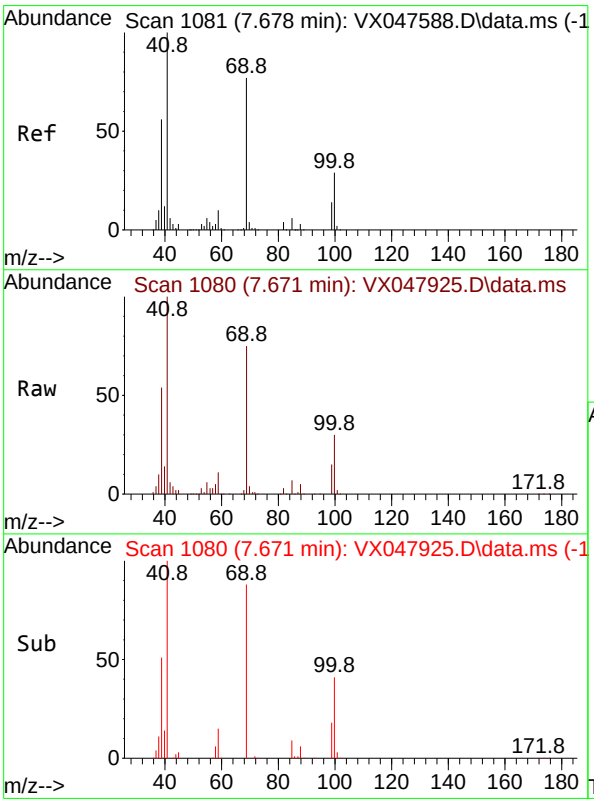
#47
Bromodichloromethane
Concen: 55.951 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 166580

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	8.6	6.9	10.3

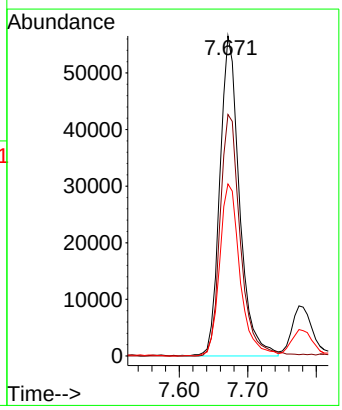


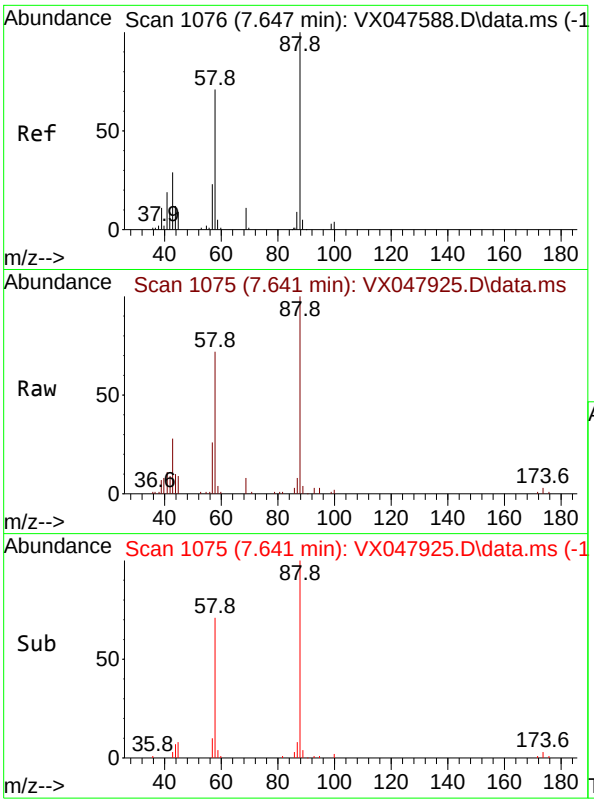


#48
Methyl methacrylate
Concen: 50.270 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 41 Resp: 112094

Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.4	92.2
39	55.9	45.8	68.6



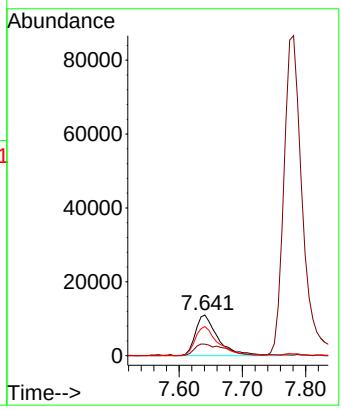


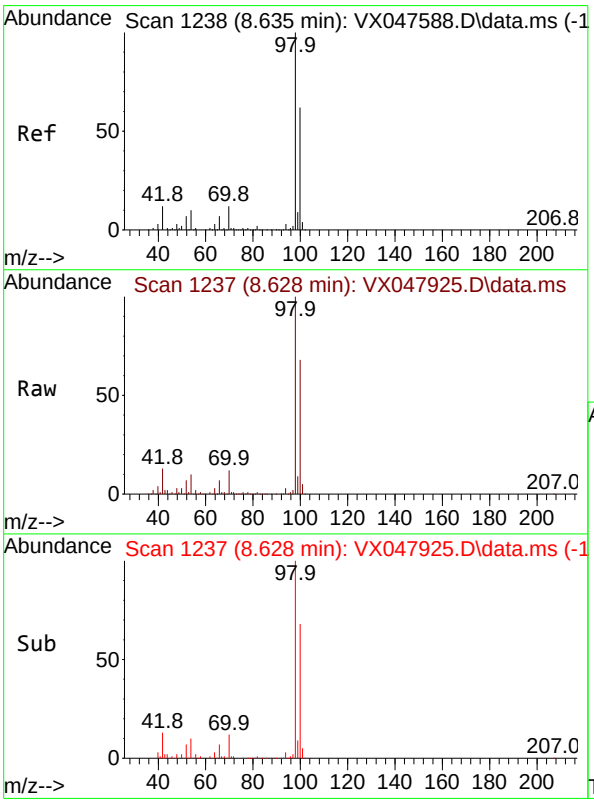
#49
1,4-Dioxane
Concen: 1209.803 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27263

Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.2	45.2
58	73.7	59.5	89.3

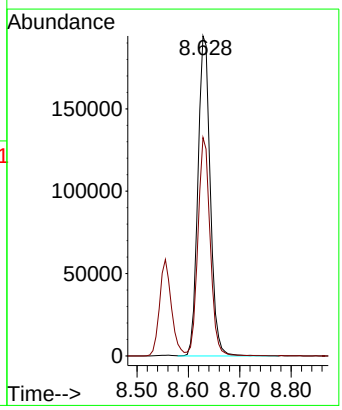


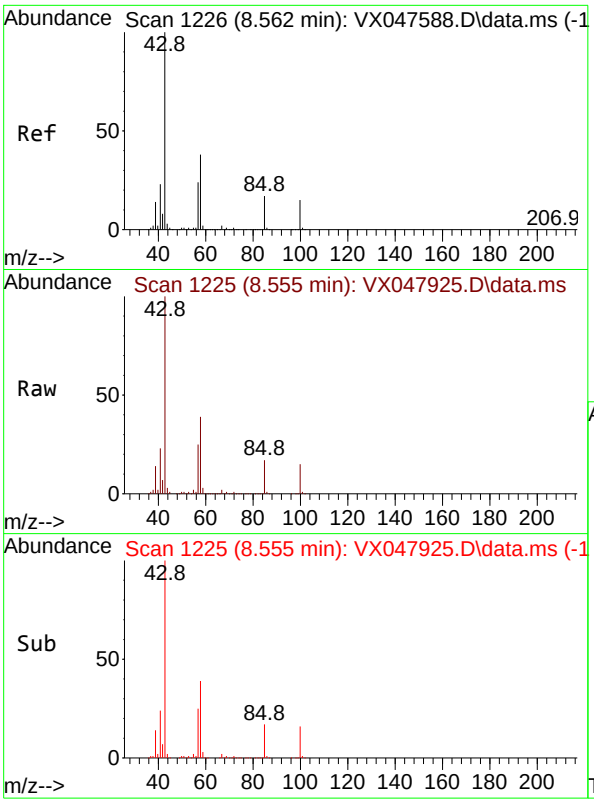


#50
Toluene-d8
Concen: 53.732 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 98 Resp: 324365

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4



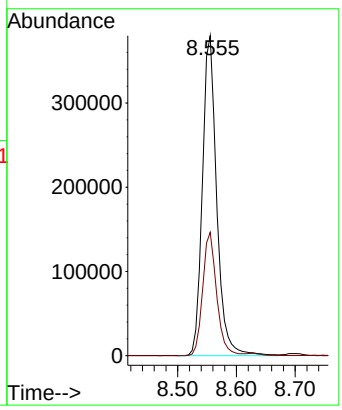


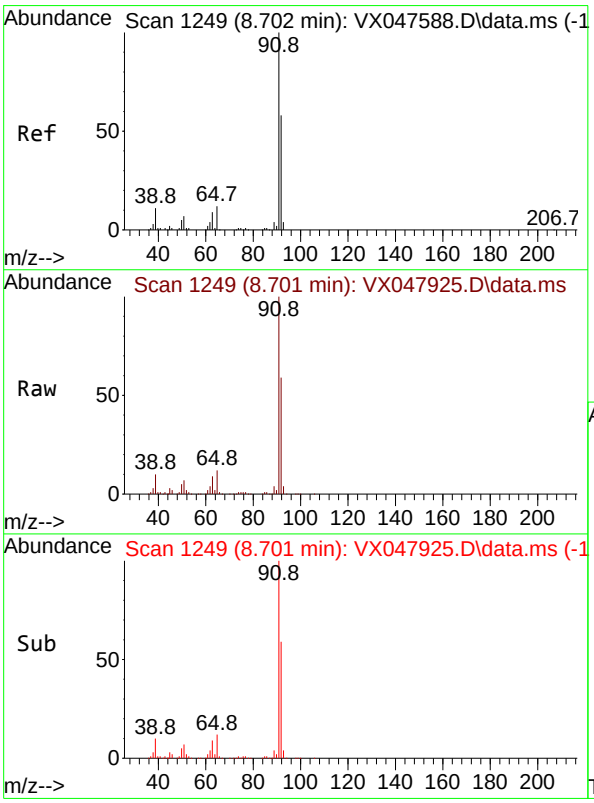
#51
4-Methyl-2-Pentanone
Concen: 258.676 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 642043

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

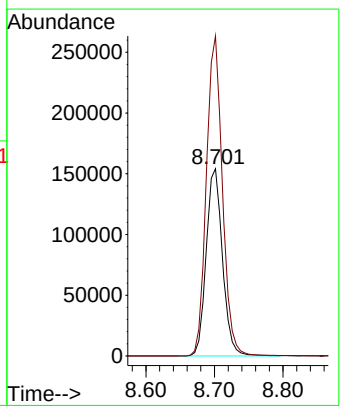


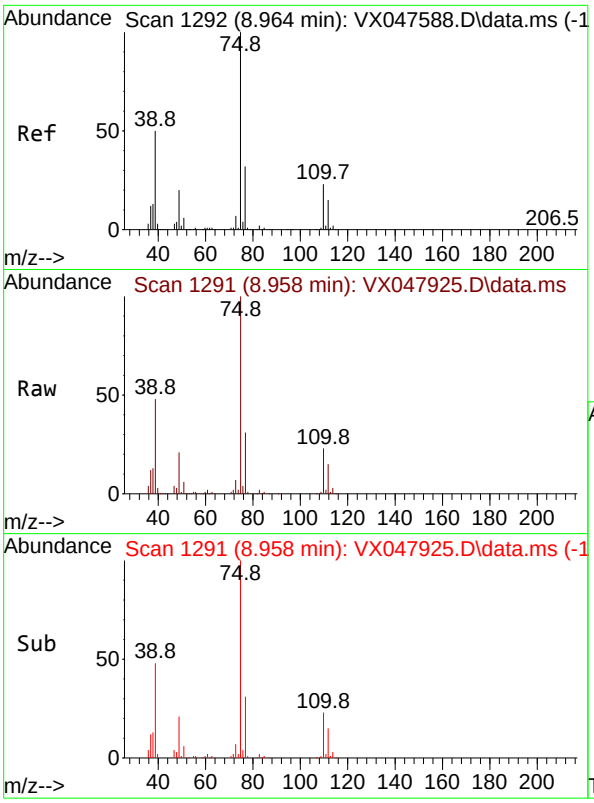


#52
Toluene
Concen: 53.340 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 92 Resp: 254447

Ion	Ratio	Lower	Upper
92	100		
91	169.0	137.1	205.7



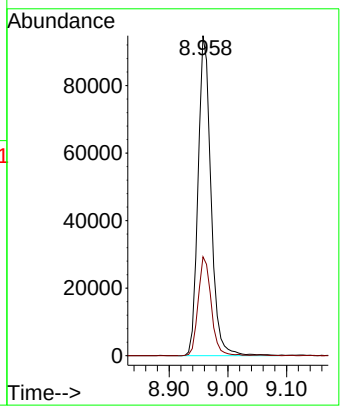


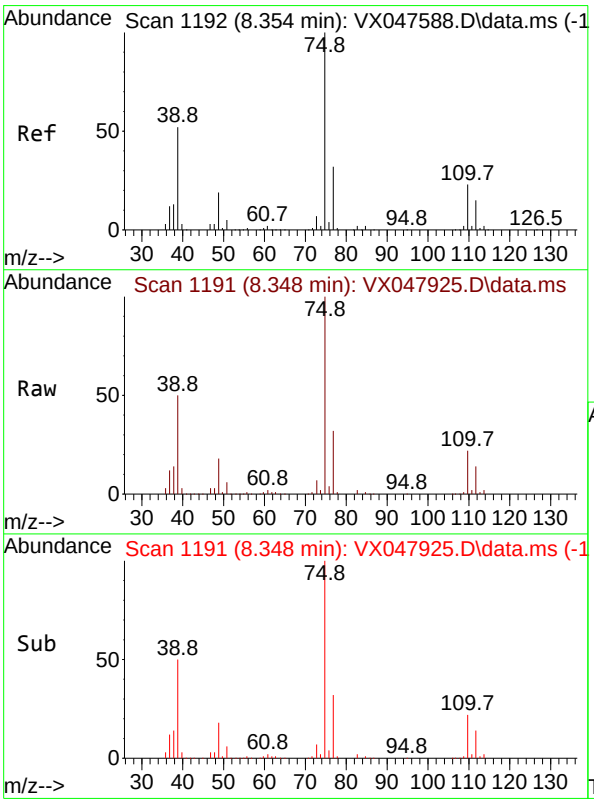
#53
t-1,3-Dichloropropene
Concen: 47.710 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 144886

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

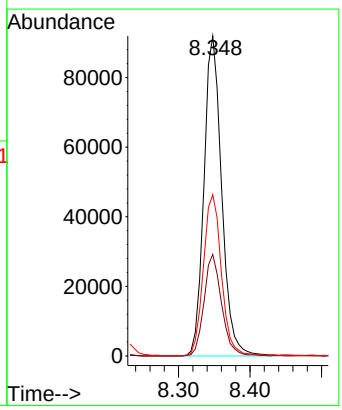


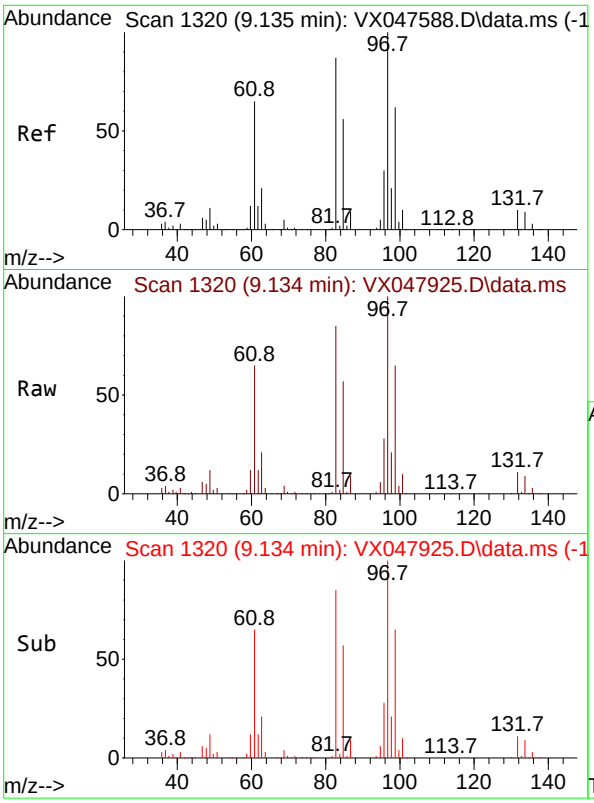


#54
cis-1,3-Dichloropropene
Concen: 48.855 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 158578

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6
39	50.3	41.4	62.2



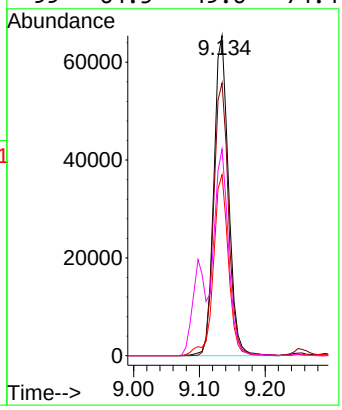


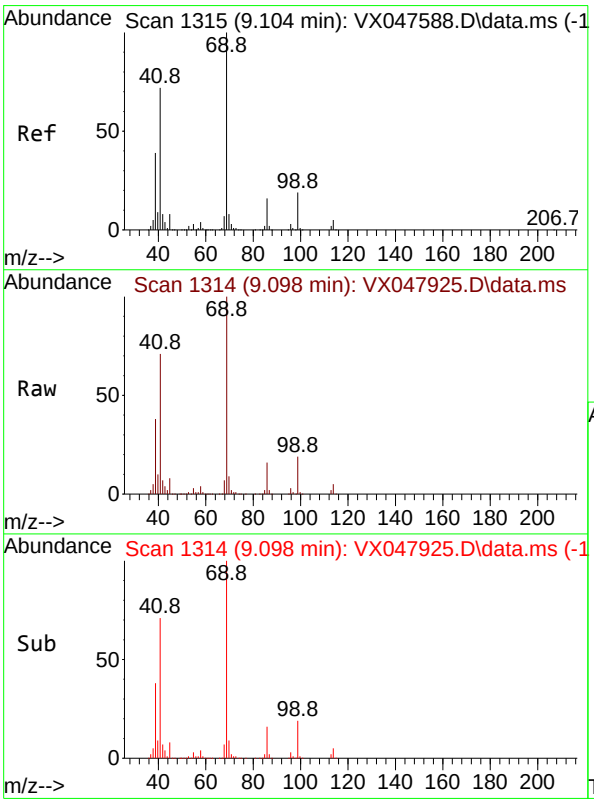
#55
1,1,2-Trichloroethane
Concen: 55.323 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 101762

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	56.5	45.0	67.6
99	64.5	49.6	74.4

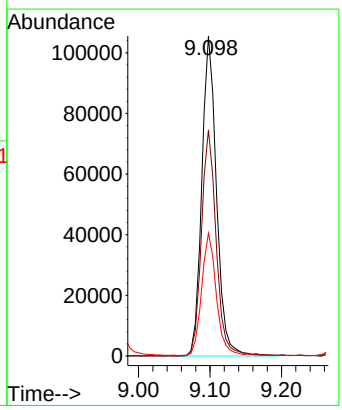


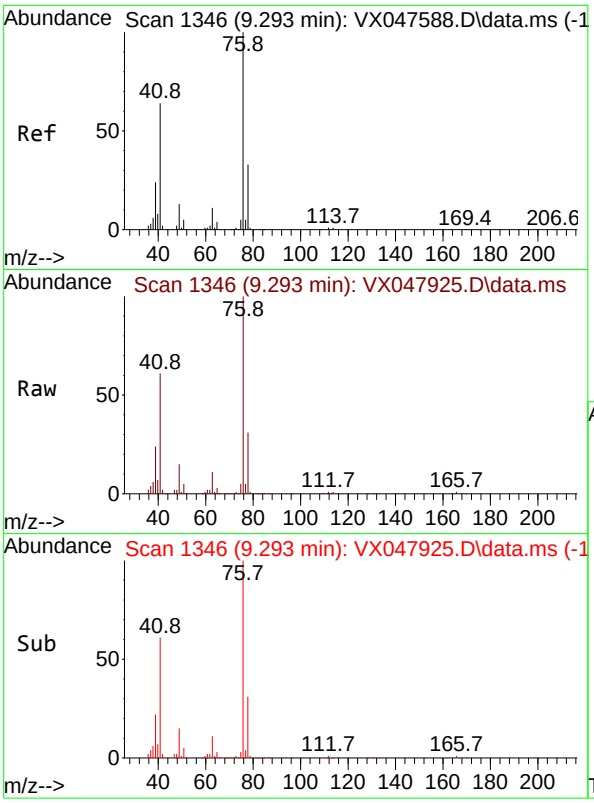


#56
Ethyl methacrylate
Concen: 52.318 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 69 Resp: 151133

Ion	Ratio	Lower	Upper
69	100		
41	71.1	58.6	87.8
39	38.1	31.5	47.3



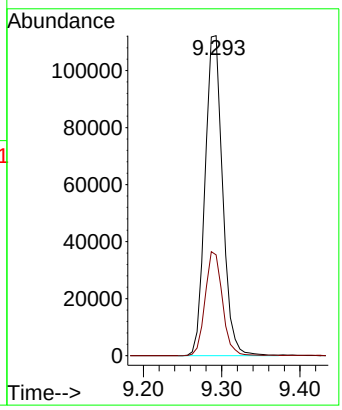


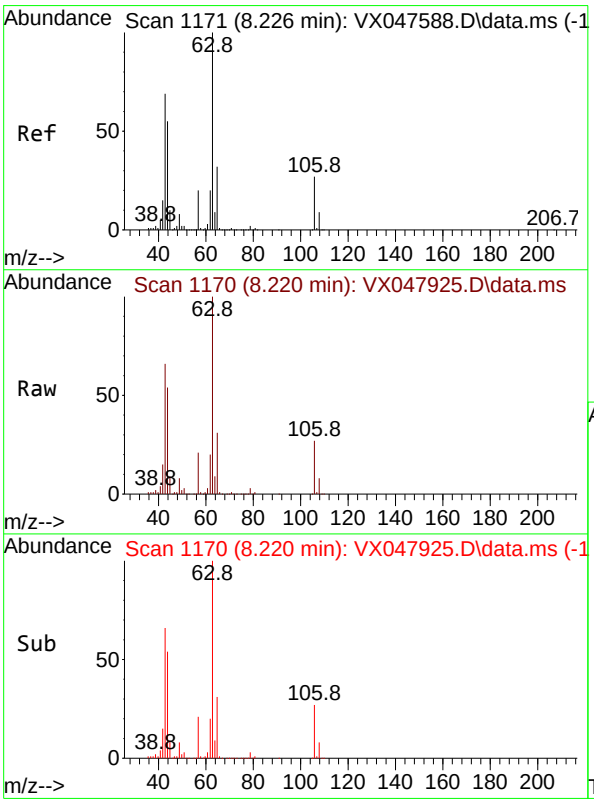
#57
1,3-Dichloropropane
Concen: 55.091 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 174076

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.4

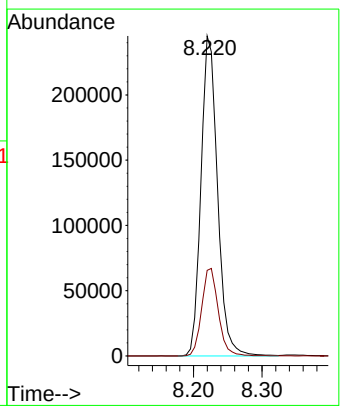


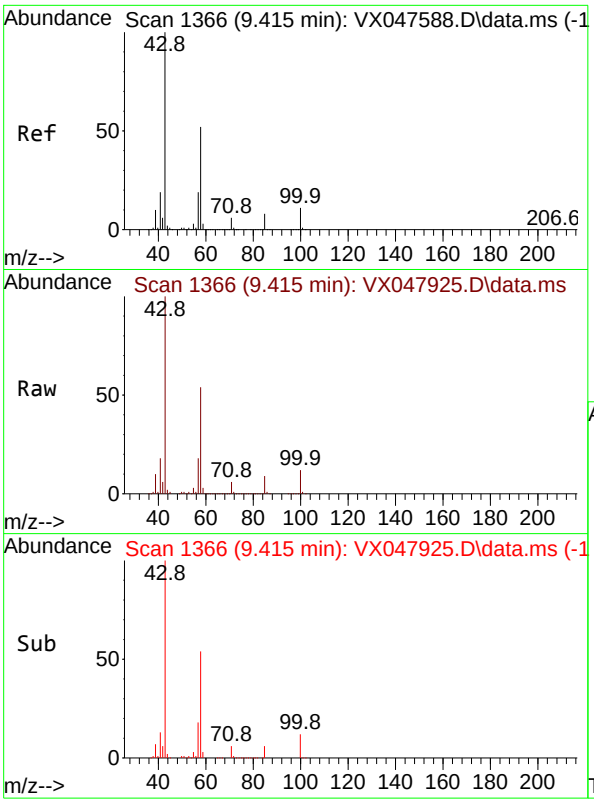


#58
2-Chloroethyl Vinyl ether
Concen: 295.242 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 63 Resp: 412325

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



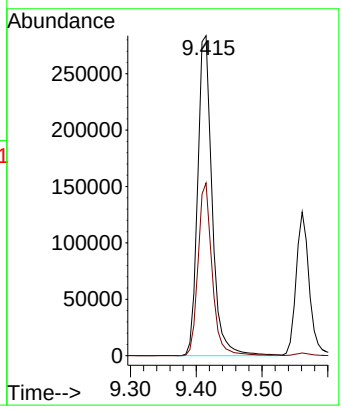


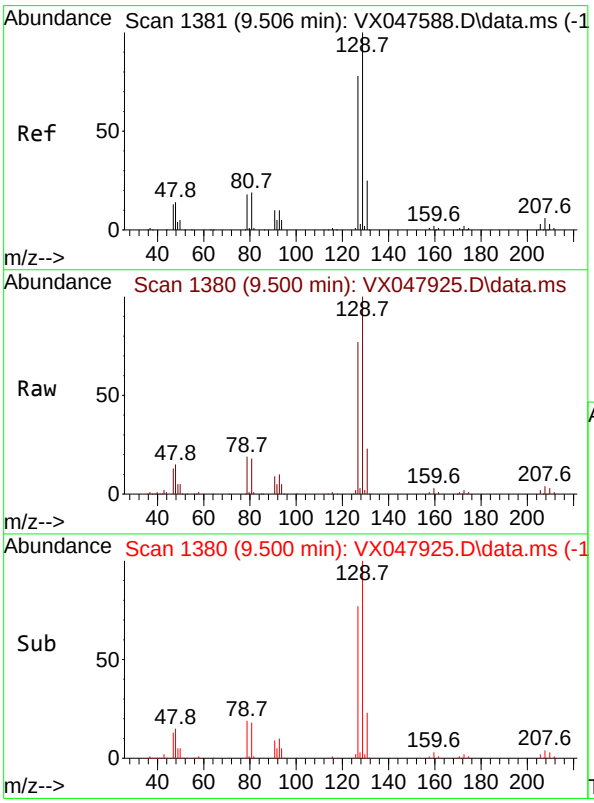
#59
2-Hexanone
Concen: 242.438 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 432172

Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.1	78.2

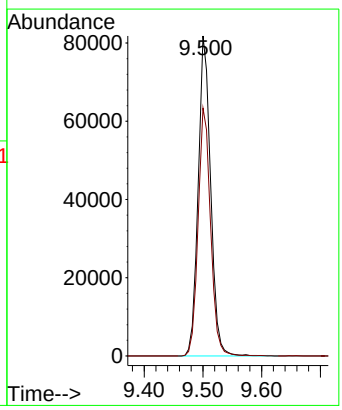


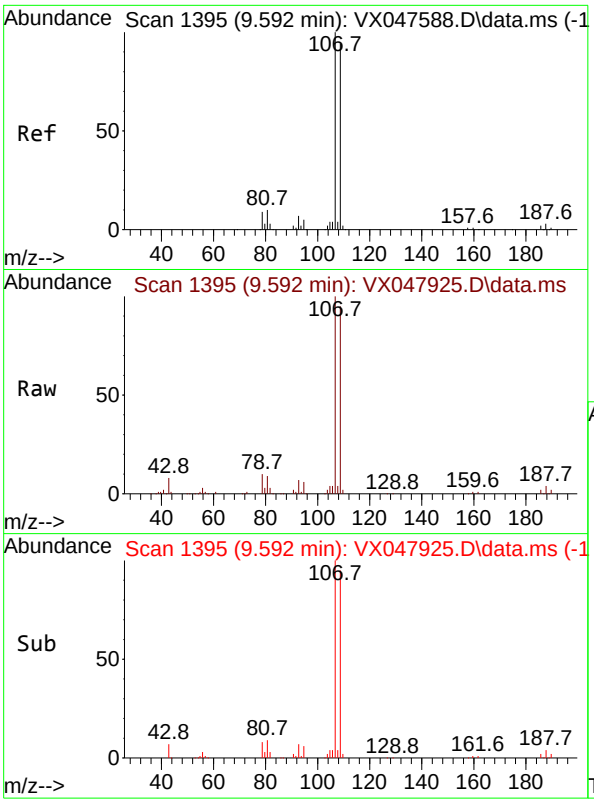


#60
Dibromochloromethane
Concen: 56.903 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:129 Resp: 120602

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



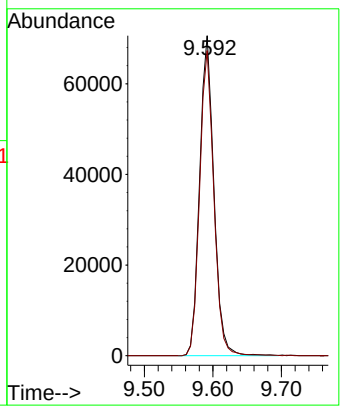


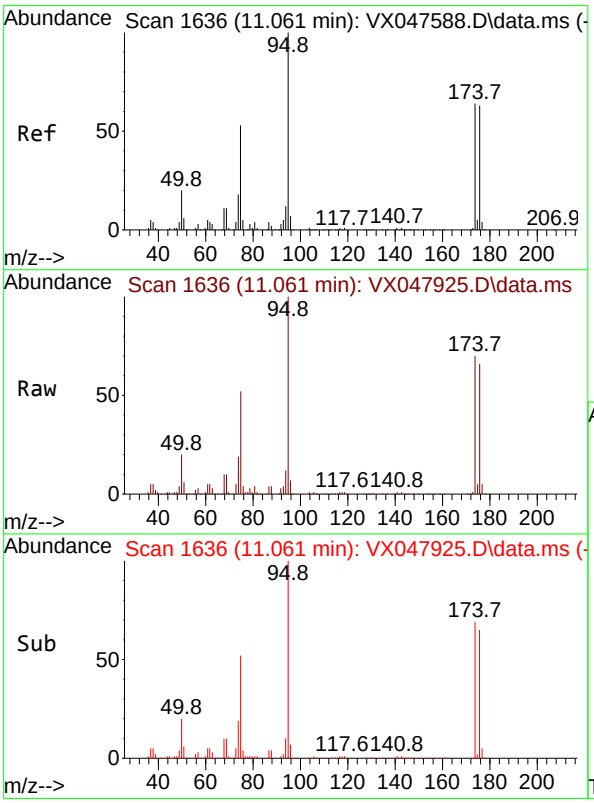
#61
1,2-Dibromoethane
Concen: 54.808 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 102684

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

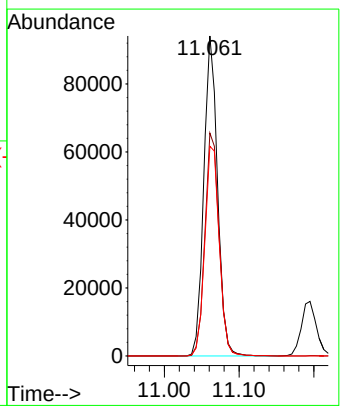


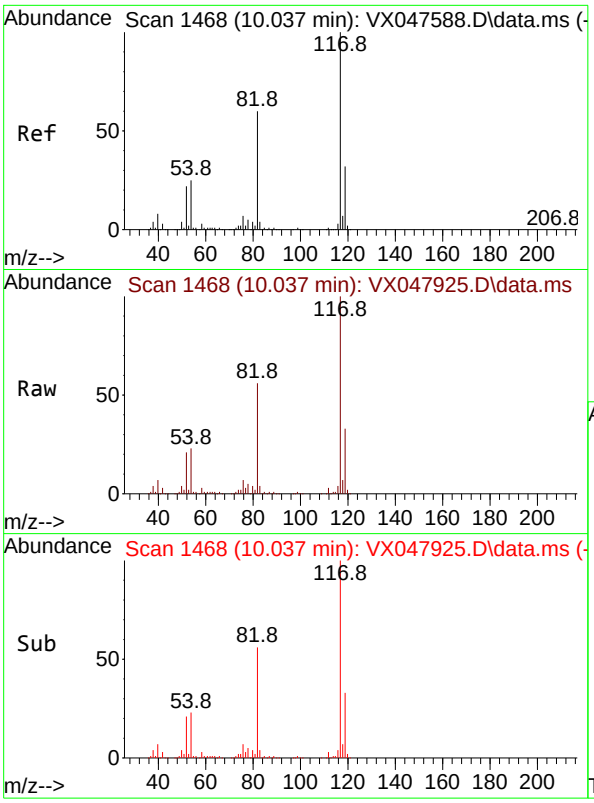


#62
4-Bromofluorobenzene
Concen: 52.260 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 95 Resp: 119729

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	141.6
176	69.2	0.0	138.4



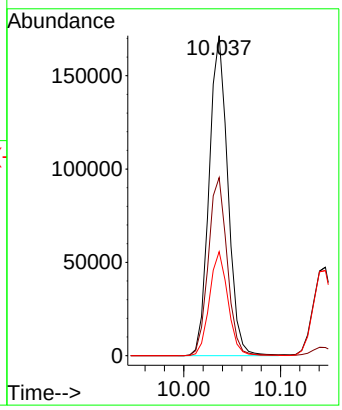


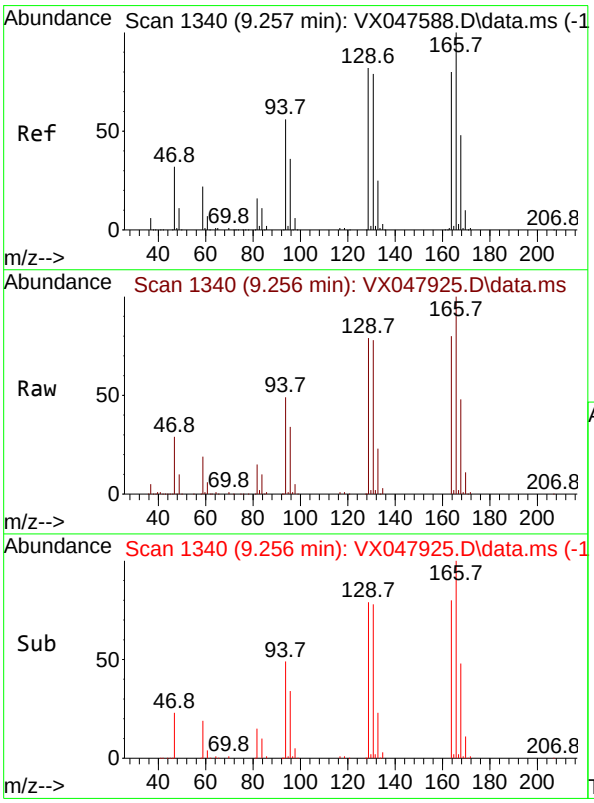
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 230415

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.5	25.2	37.8

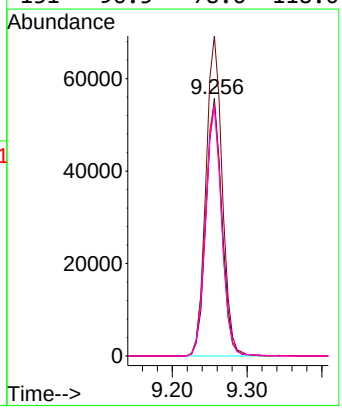


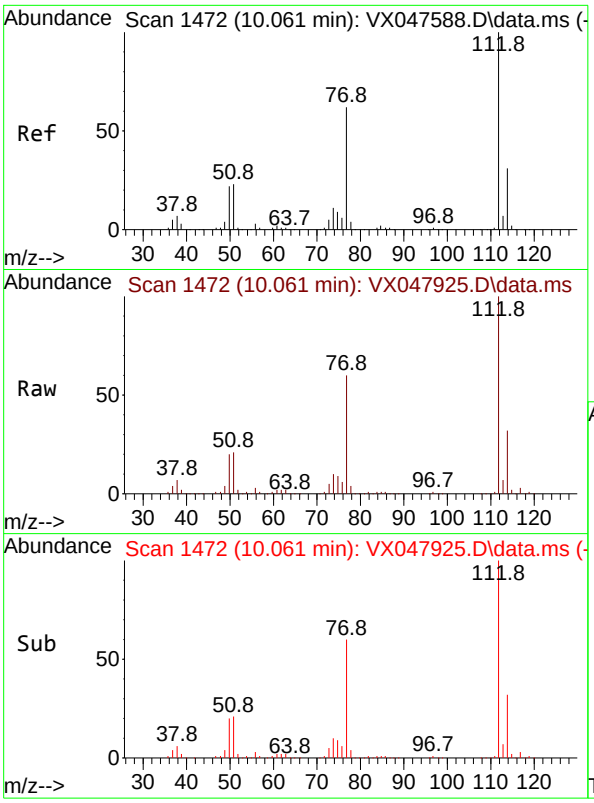


#64
Tetrachloroethene
Concen: 54.742 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:164 Resp: 82226

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.2	150.2
129	98.3	81.8	122.6
131	96.5	78.6	118.0



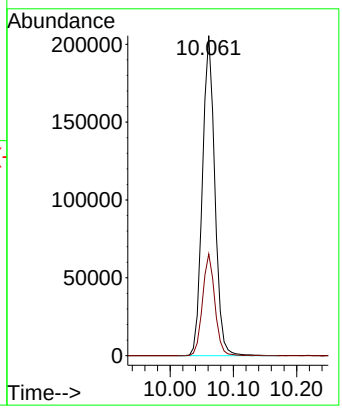


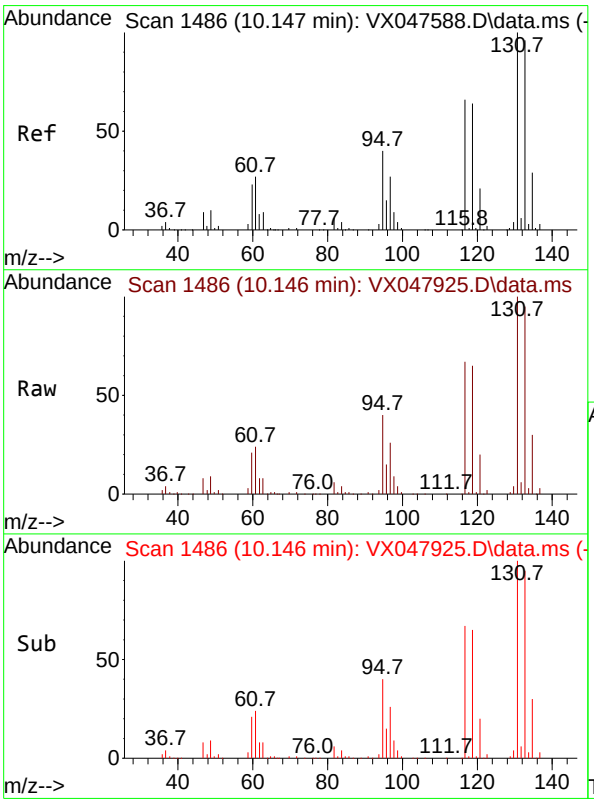
#65
Chlorobenzene
Concen: 53.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 281425

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

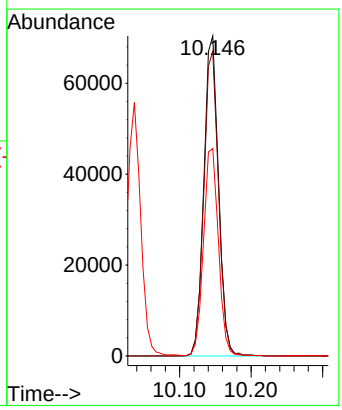


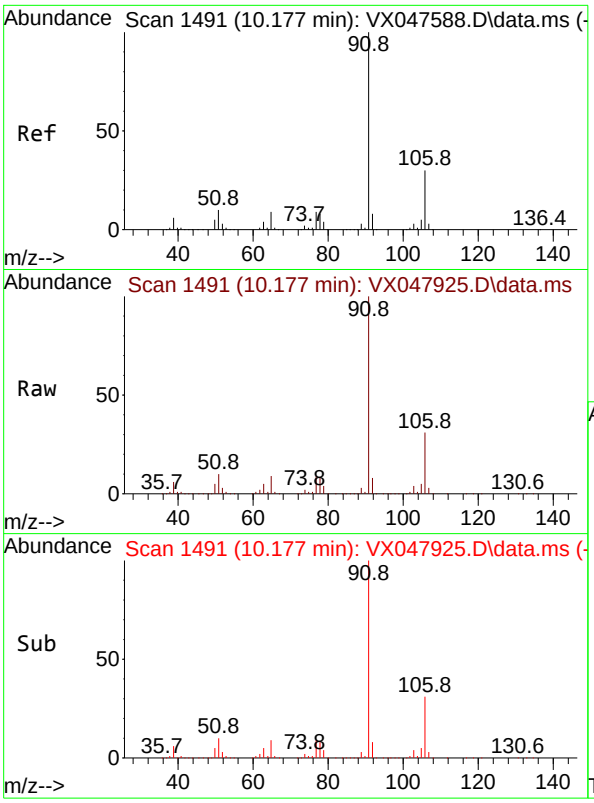


#66
1,1,1,2-Tetrachloroethane
Concen: 55.573 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:131 Resp: 100383

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	142.0
119	66.1	32.0	96.0



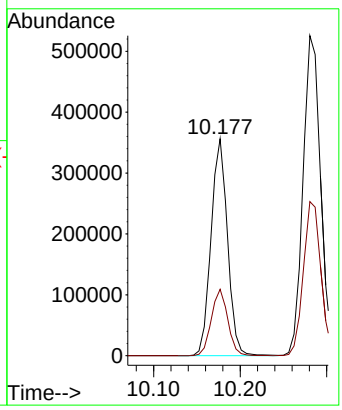


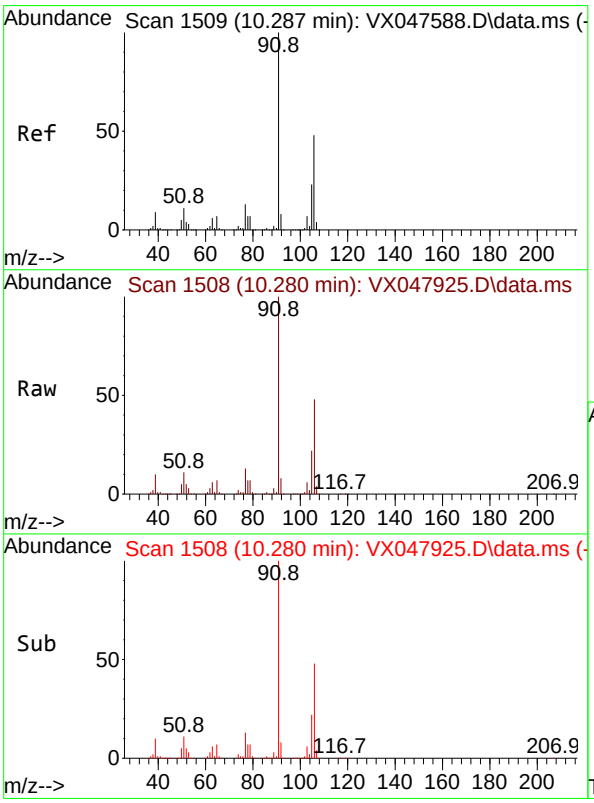
#67
Ethyl Benzene
Concen: 52.134 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 470865

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

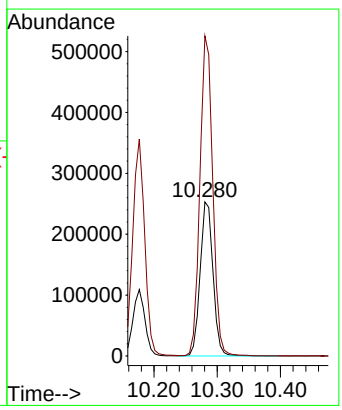


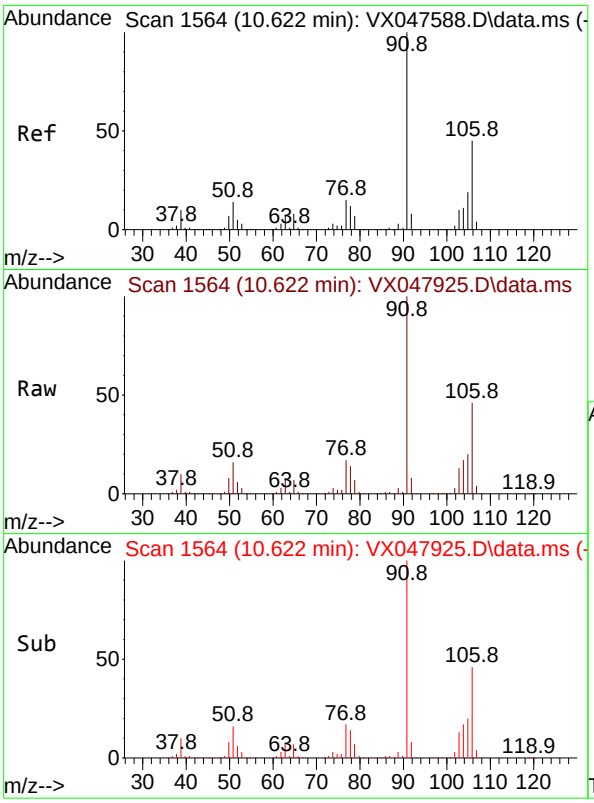


#68
m/p-Xylenes
Concen: 106.525 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:106 Resp: 358108

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.8	251.8



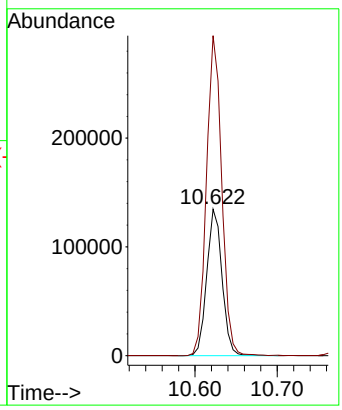


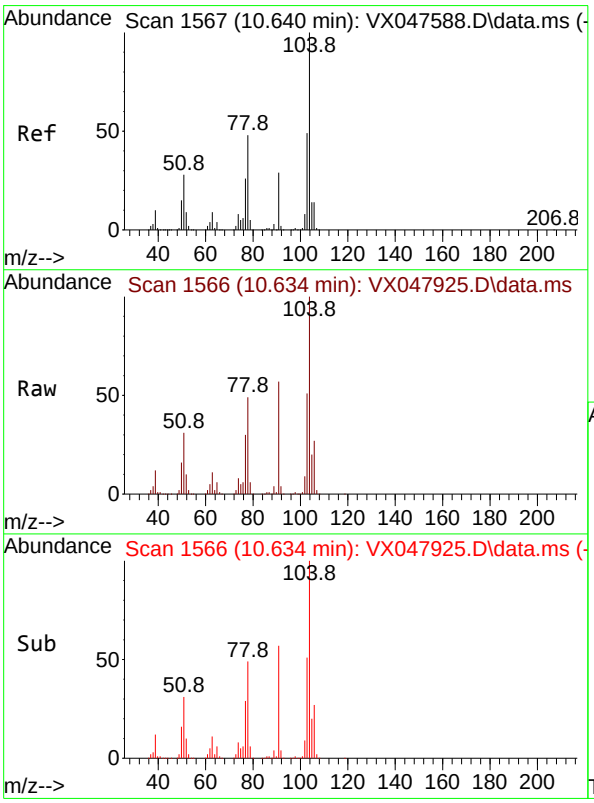
#69
o-Xylene
Concen: 53.429 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 173728

Ion	Ratio	Lower	Upper
106	100		
91	218.2	111.1	333.4

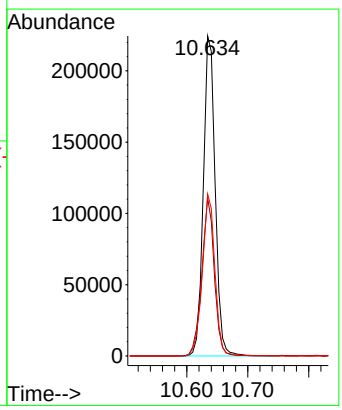


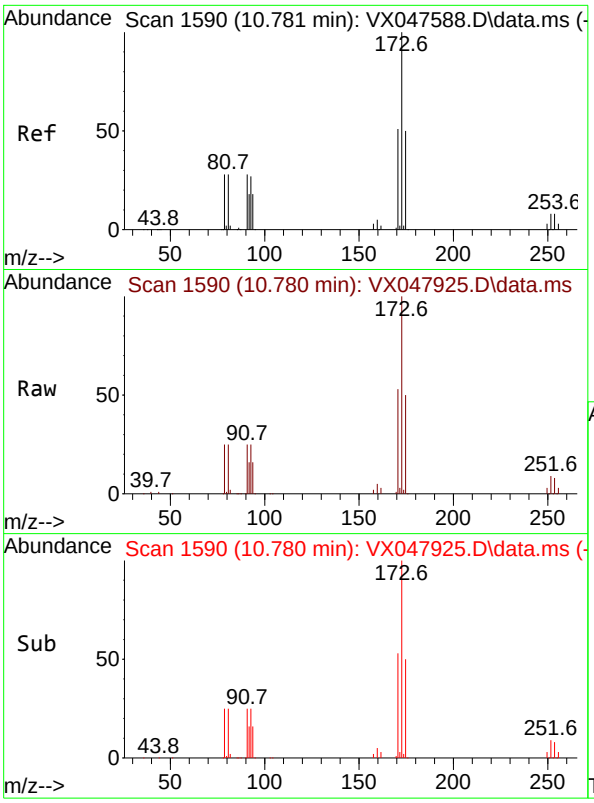


#70
Styrene
Concen: 53.445 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:104 Resp: 304498

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	53.7	43.1	64.7



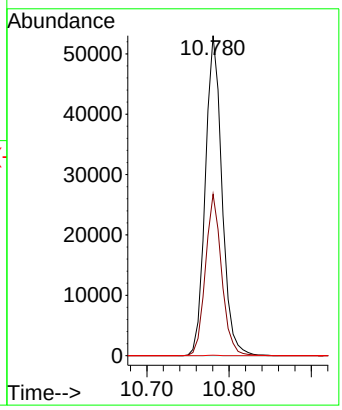


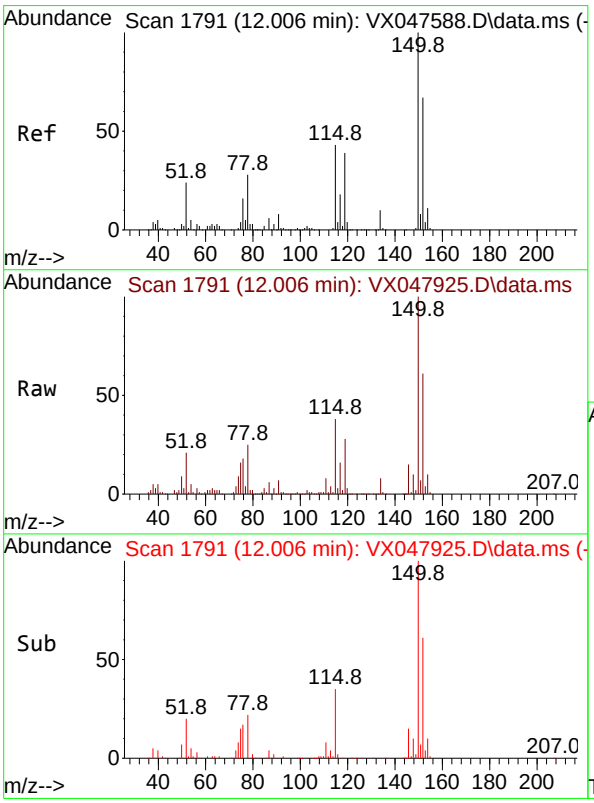
#71
Bromoform
Concen: 55.193 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 74442

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.6
254	0.1	0.1	0.1

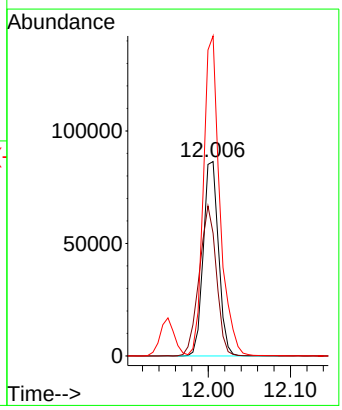


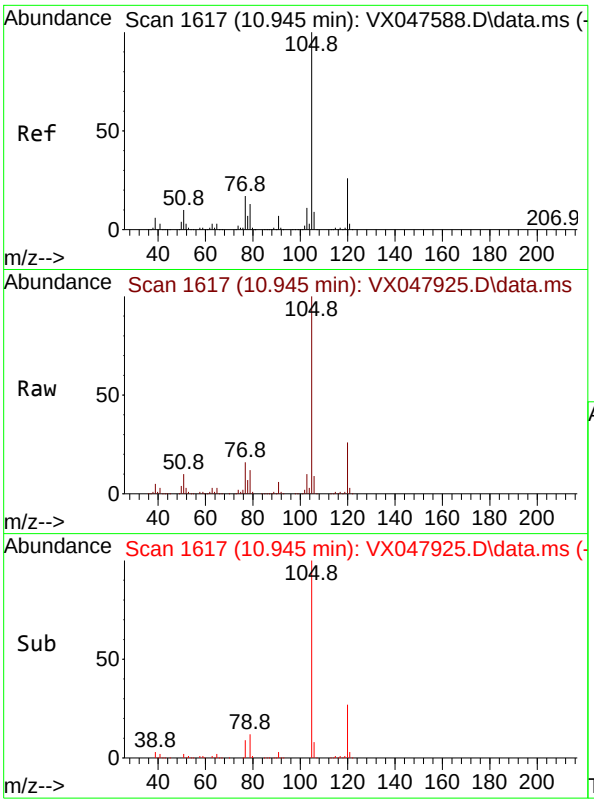


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:152 Resp: 111244

Ion	Ratio	Lower	Upper
152	100		
115	87.0	44.9	134.5
150	176.4	0.0	352.0



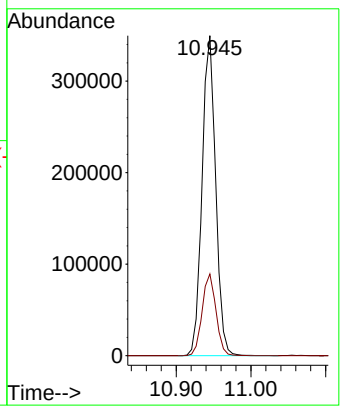


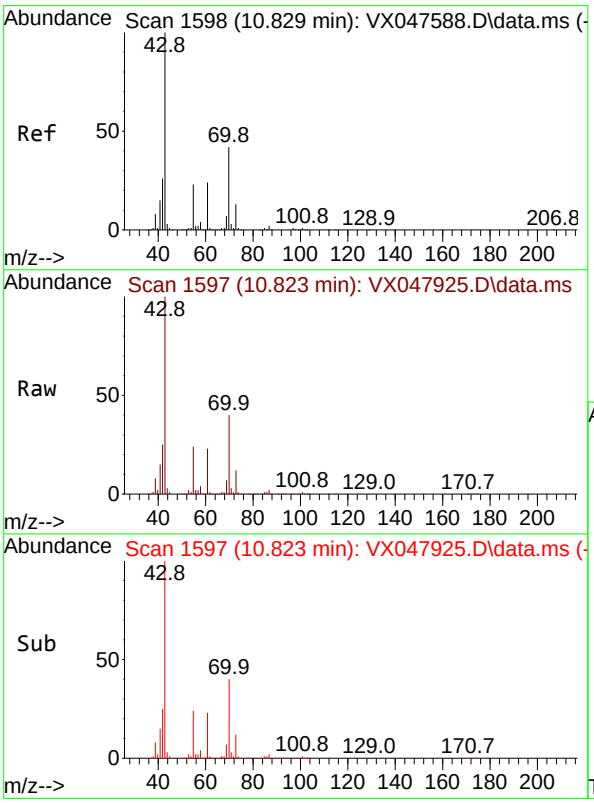
#73
Isopropylbenzene
Concen: 52.083 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 440490

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

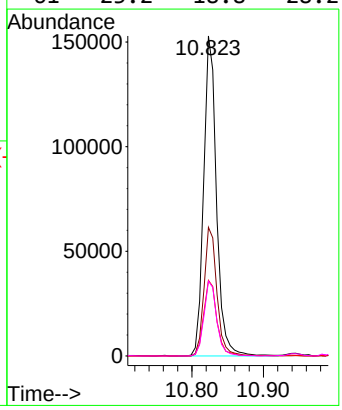


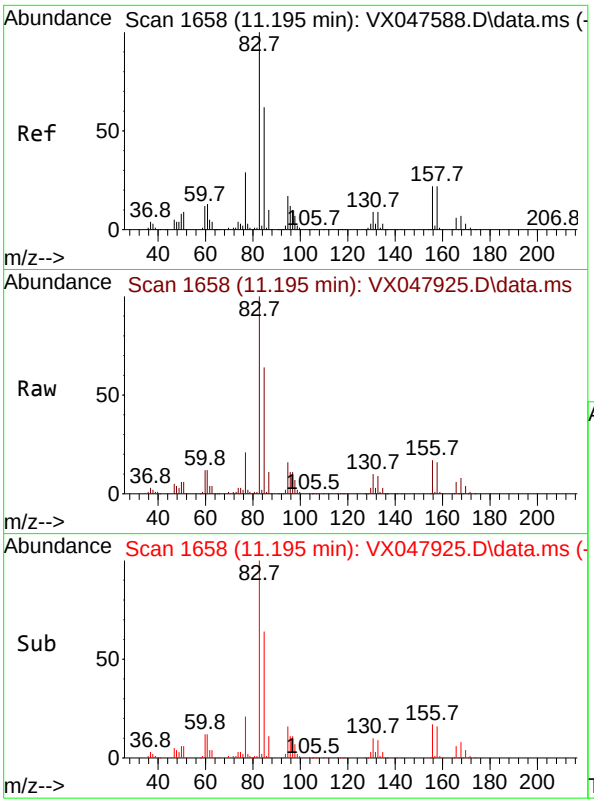


#74
N-amyl acetate
Concen: 49.514 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 43 Resp: 190962

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.0	48.0
55	24.4	18.9	28.3
61	23.2	18.8	28.2



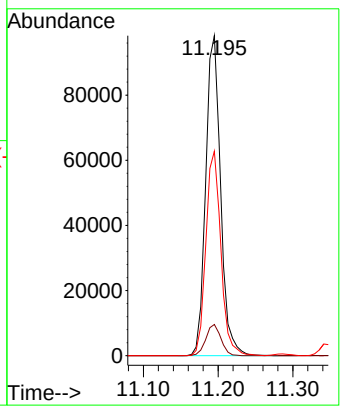


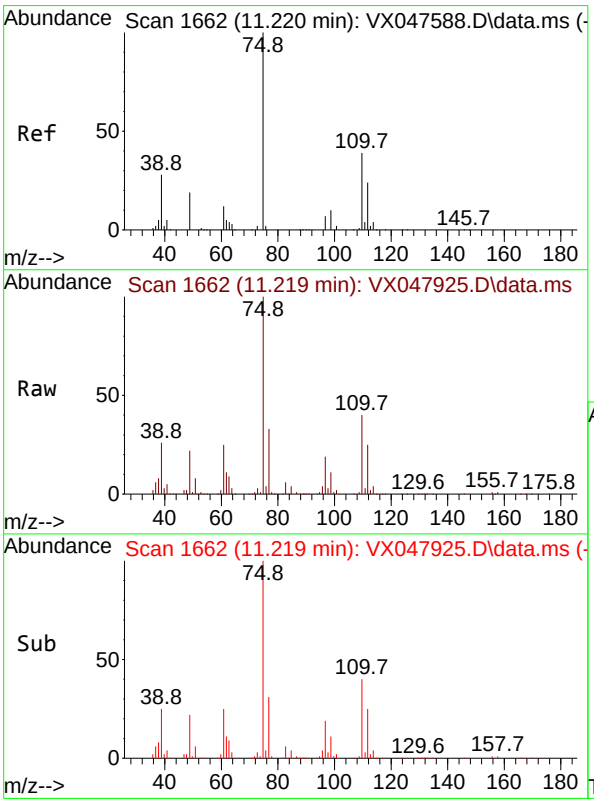
#75
1,1,2,2-Tetrachloroethane
Concen: 53.118 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 135919

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.4	31.6	95.0

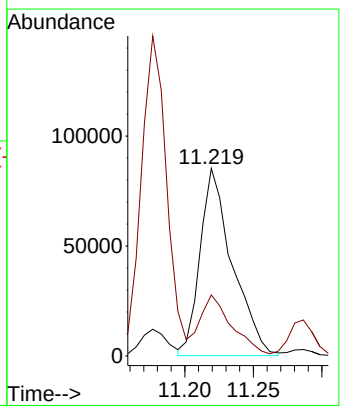


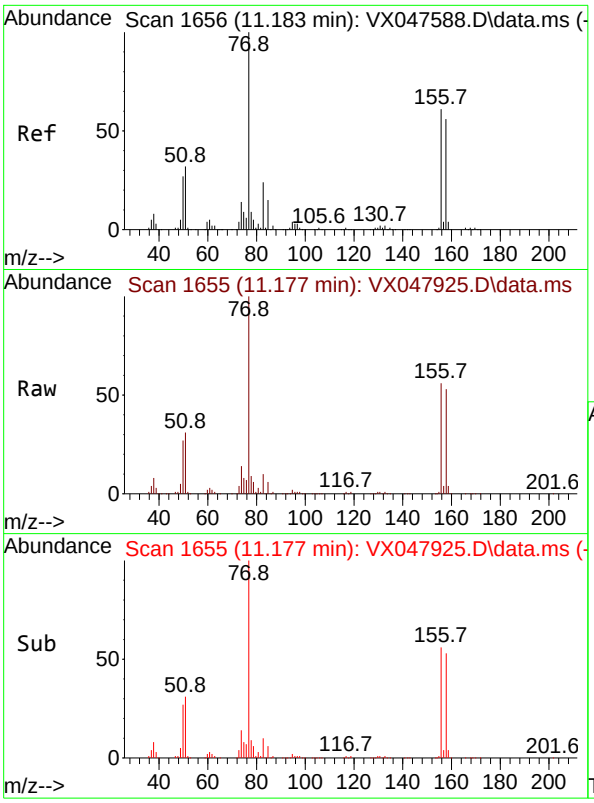


#76
1,2,3-Trichloropropane
Concen: 62.077 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 139819

Ion	Ratio	Lower	Upper
75	100		
77	32.7	18.8	56.4



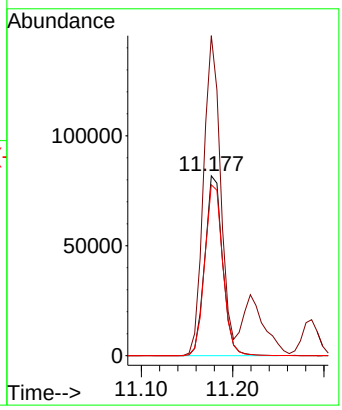


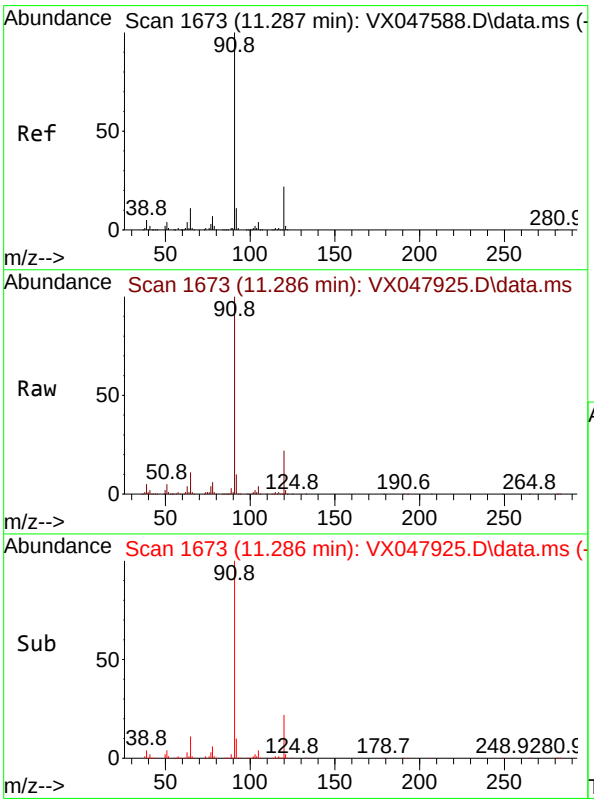
#77
Bromobenzene
Concen: 52.694 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 109763

Ion	Ratio	Lower	Upper
156	100		
77	171.2	89.7	269.1
158	96.8	47.9	143.6

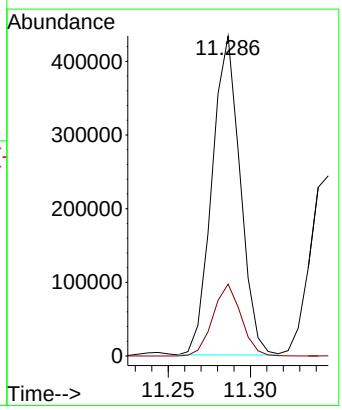


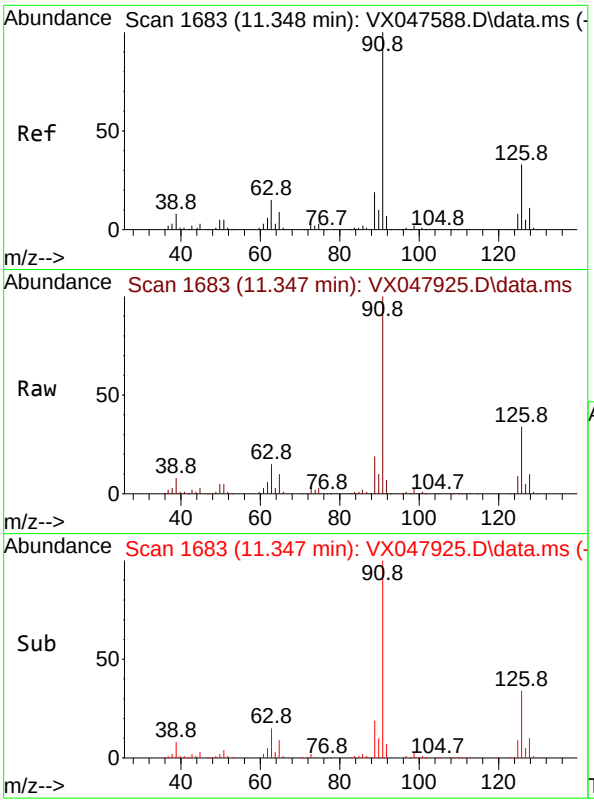


#78
n-propylbenzene
Concen: 51.568 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 515569

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



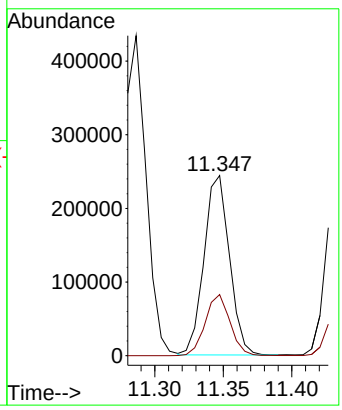


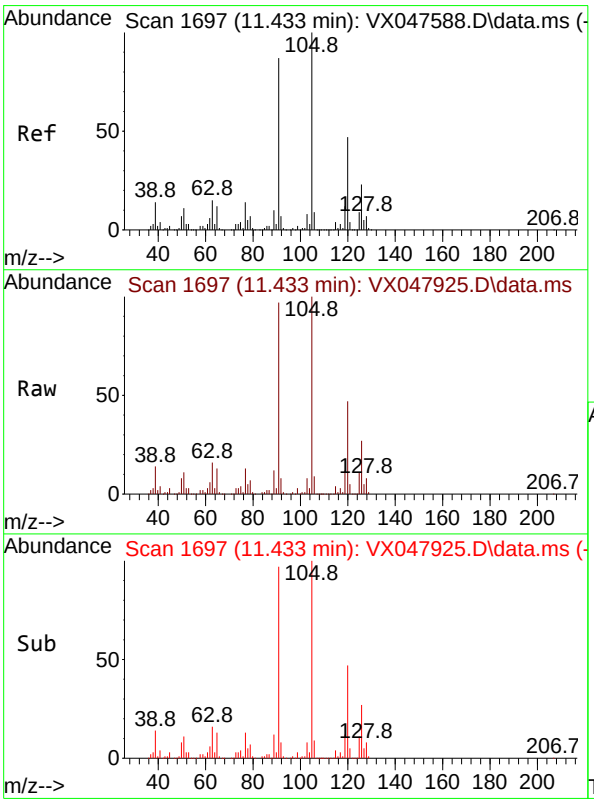
#79
2-Chlorotoluene
Concen: 51.452 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 315063

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.3

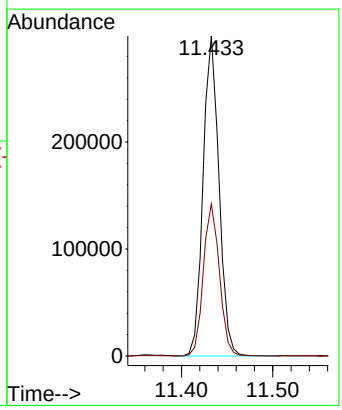


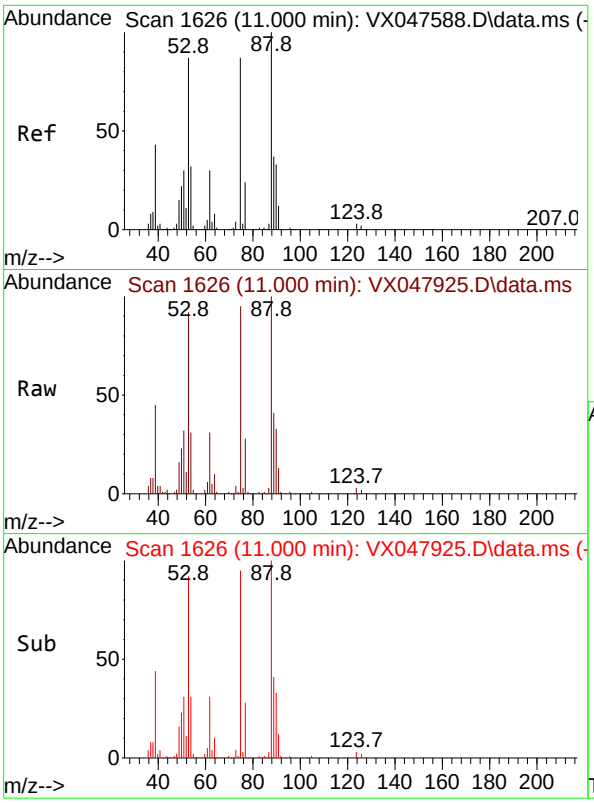


#80
1,3,5-Trimethylbenzene
Concen: 51.887 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:105 Resp: 360539

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	70.8



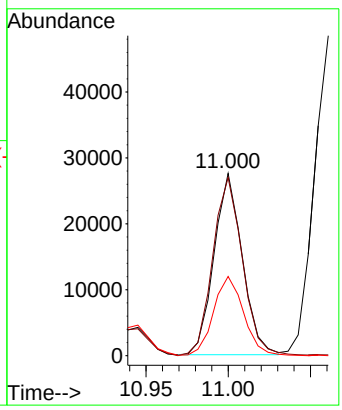


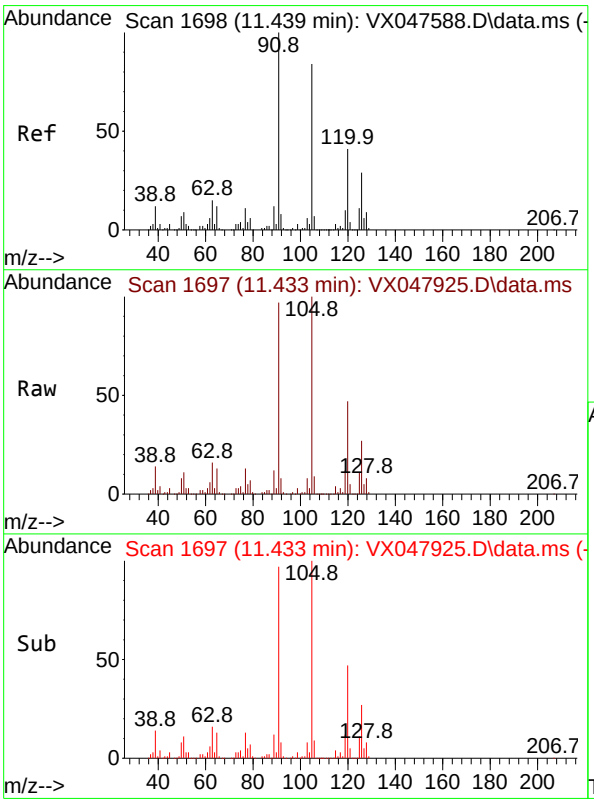
#81
trans-1,4-Dichloro-2-butene
Concen: 37.213 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 32867

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	46.7	36.3	54.5

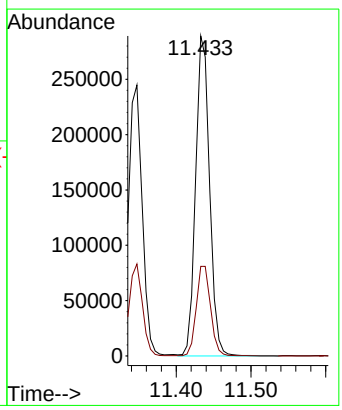


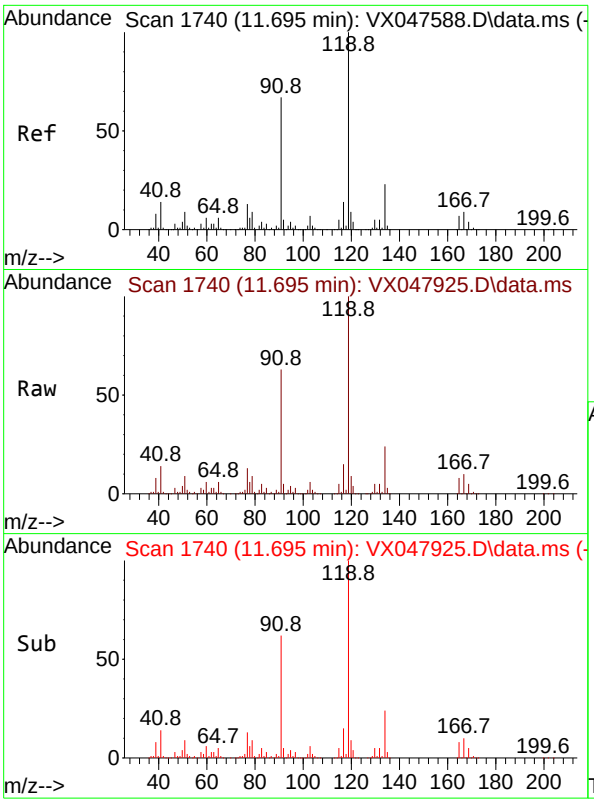


#82
4-Chlorotoluene
Concen: 51.748 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 91 Resp: 374249

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6



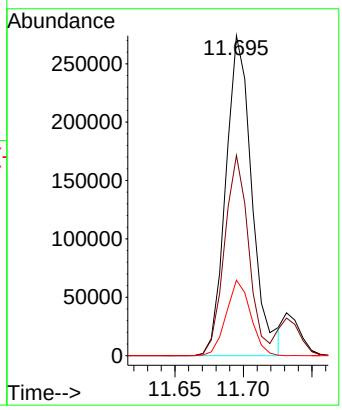


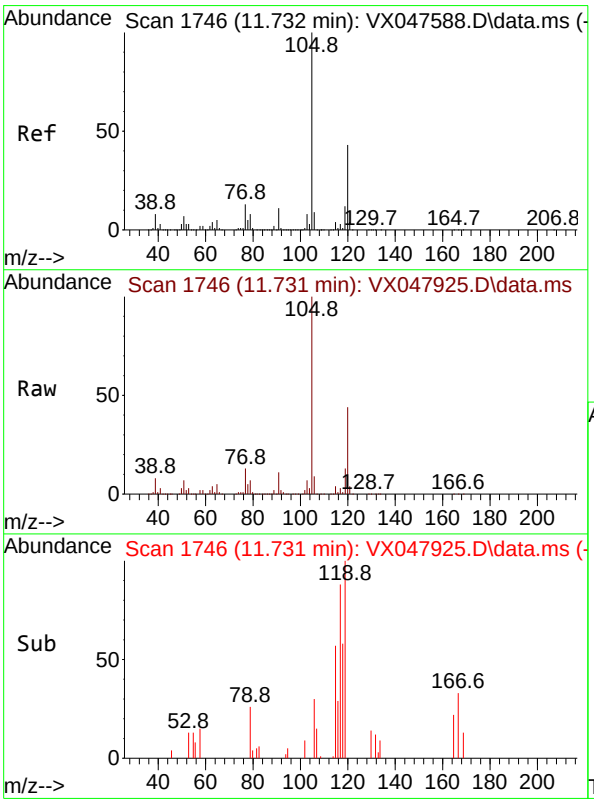
#83
tert-Butylbenzene
Concen: 51.119 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 363612

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.1	11.0	33.0

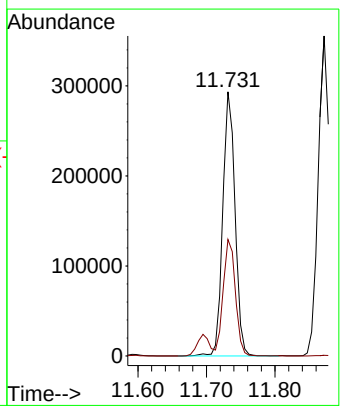


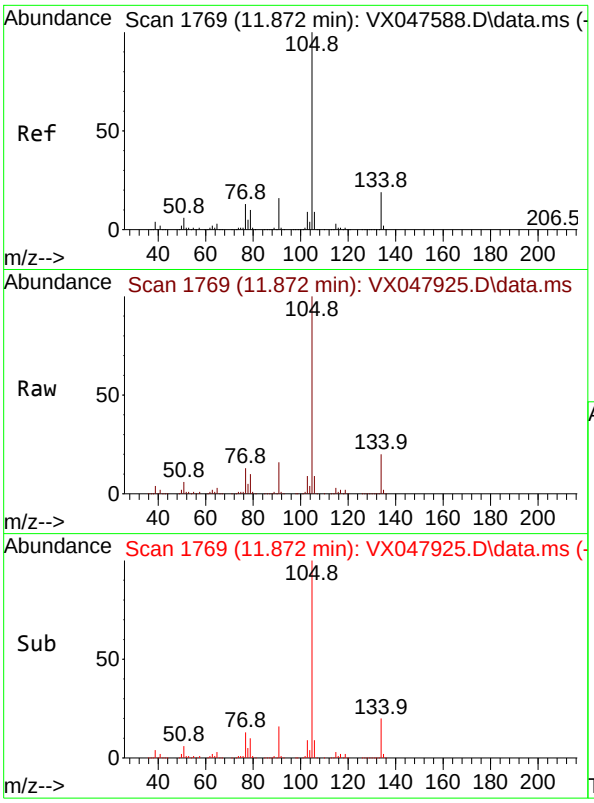


#84
1,2,4-Trimethylbenzene
Concen: 51.497 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:105 Resp: 362779

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



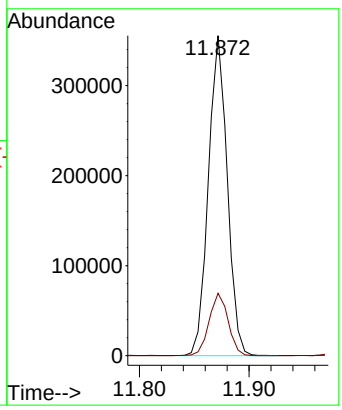


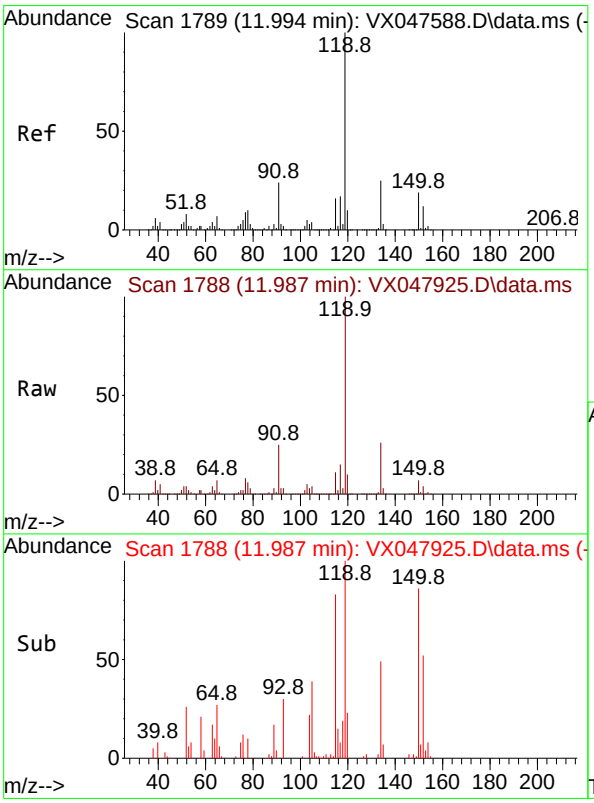
#85
sec-Butylbenzene
Concen: 50.330 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 425236

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

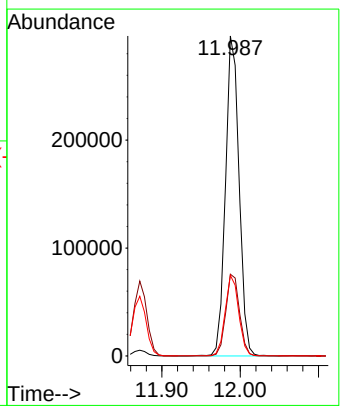


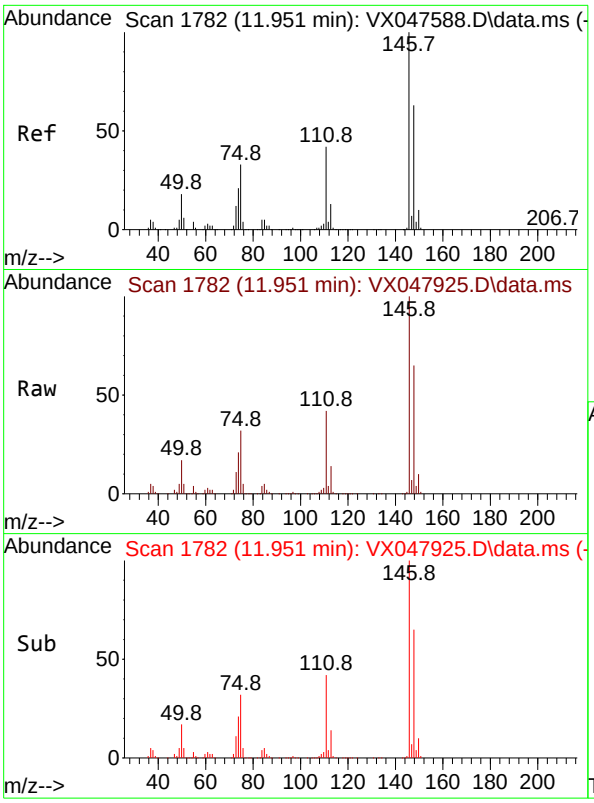


#86
p-Isopropyltoluene
Concen: 50.113 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:119 Resp: 358451

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.0	12.6	37.6



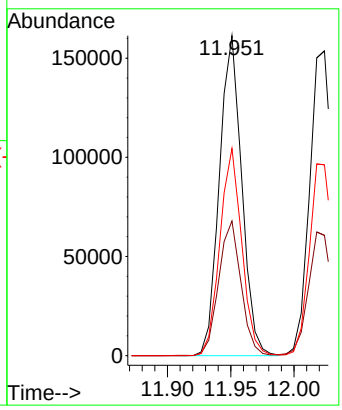


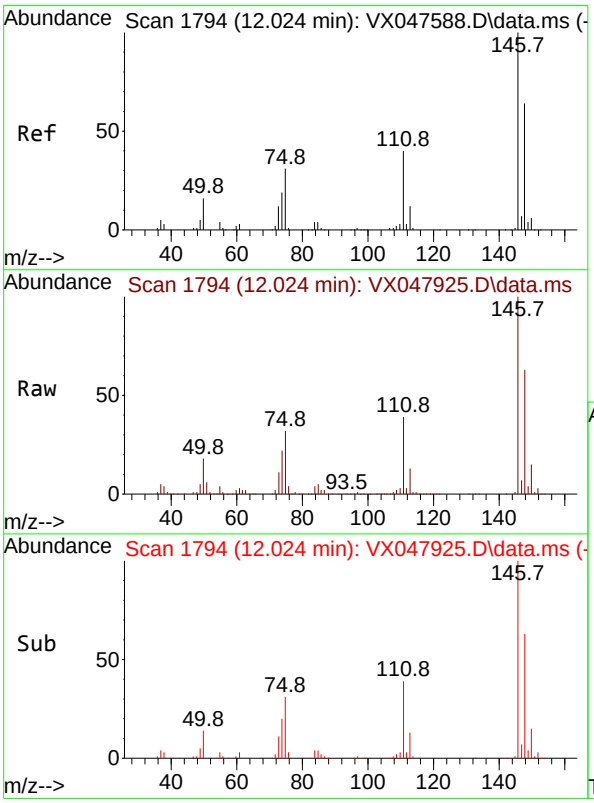
#87
1,3-Dichlorobenzene
Concen: 51.263 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 198339

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.4	32.0	96.0

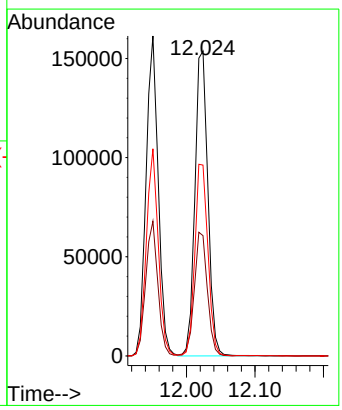


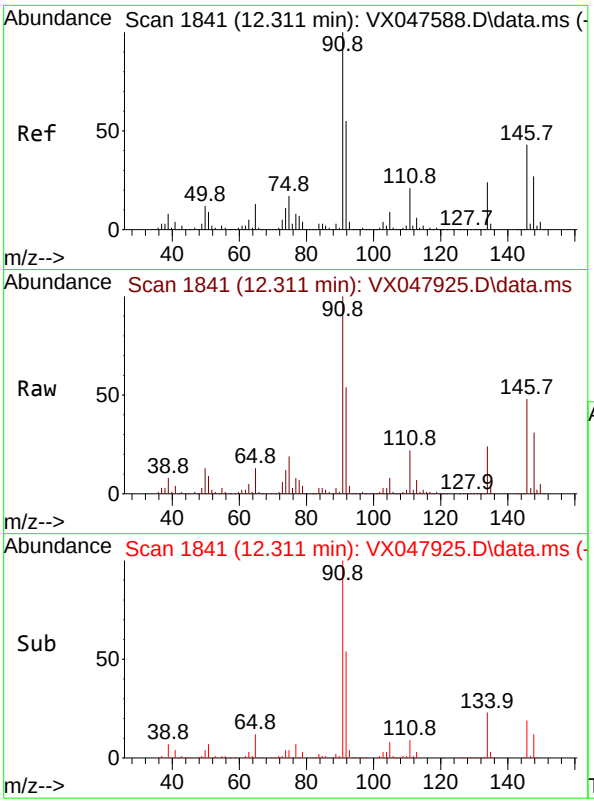


#88
1,4-Dichlorobenzene
Concen: 51.006 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:146 Resp: 202543

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	63.6	31.7	95.1



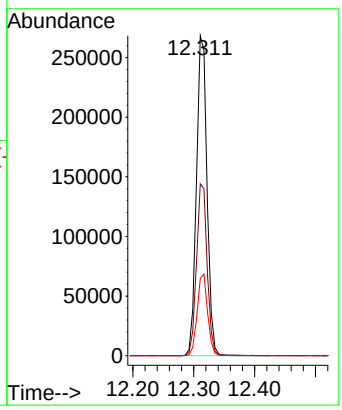


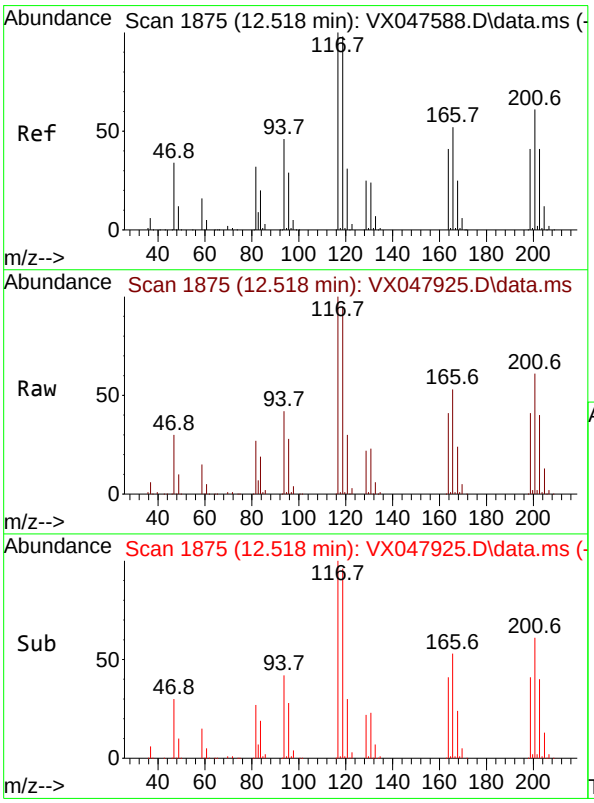
#89
n-Butylbenzene
Concen: 48.778 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 322844

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	25.1	12.6	37.8

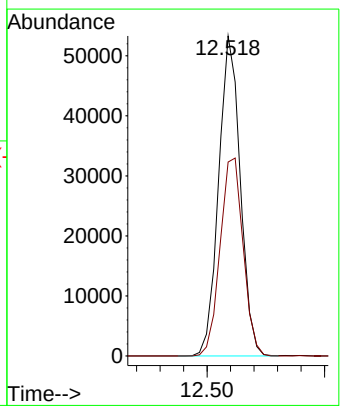


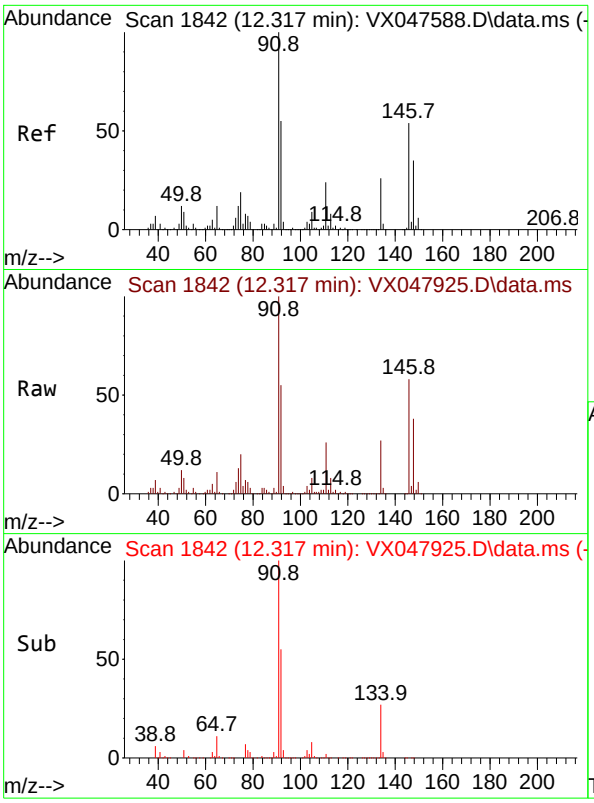


#90
Hexachloroethane
Concen: 54.313 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:117 Resp: 68208

Ion	Ratio	Lower	Upper
117	100		
201	65.8	34.2	102.5



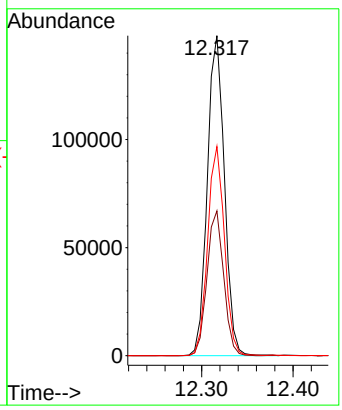


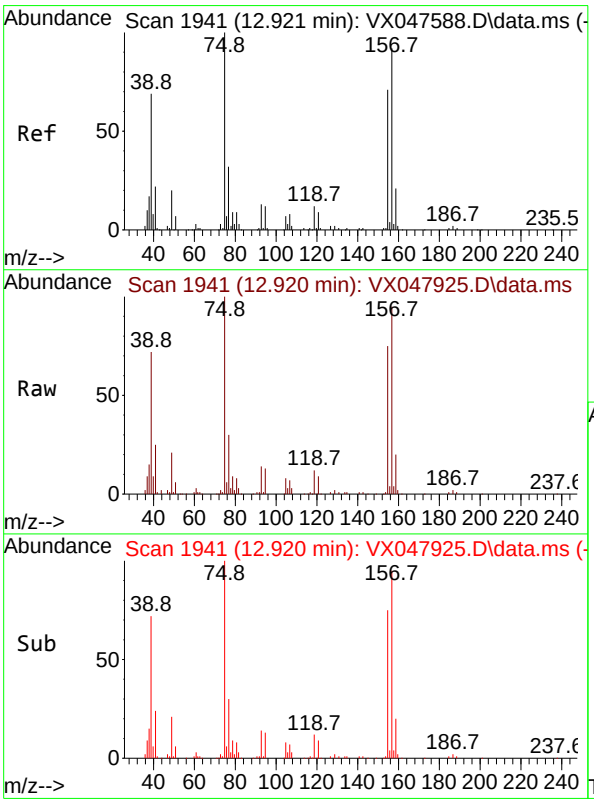
#91
1,2-Dichlorobenzene
Concen: 51.946 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 191476

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.2	31.8	95.4

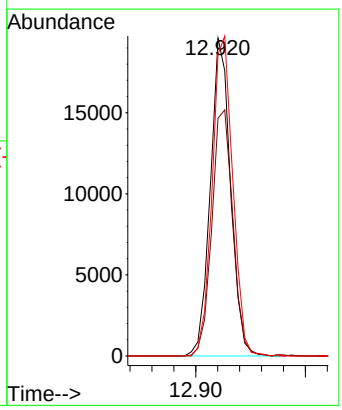


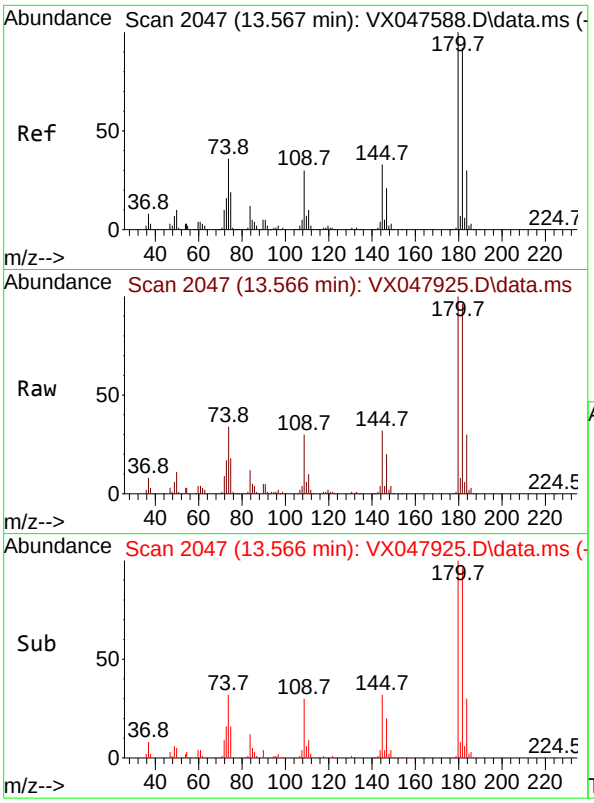


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.313 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion: 75 Resp: 25029

Ion	Ratio	Lower	Upper
75	100		
155	80.7	37.7	113.1
157	102.9	49.8	149.4



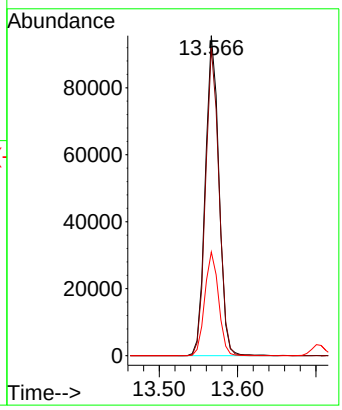


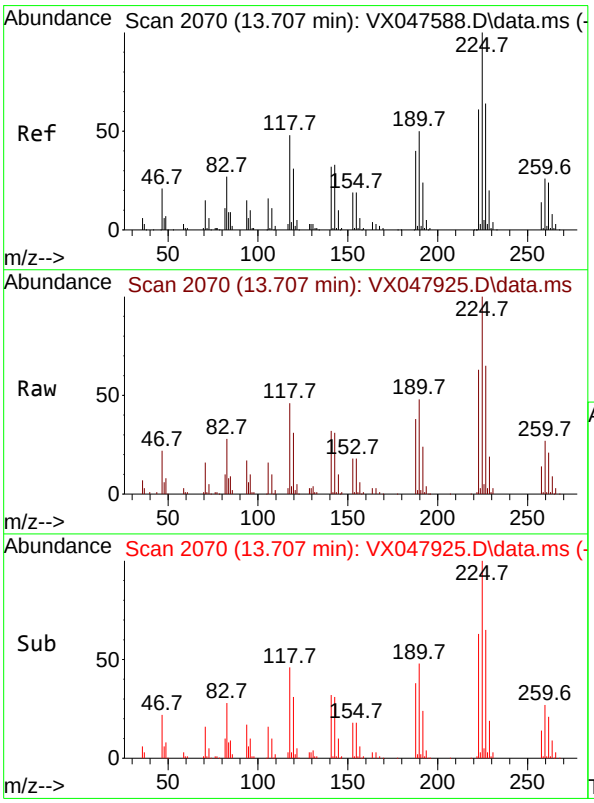
#93
1,2,4-Trichlorobenzene
Concen: 47.915 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 114786

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	32.8	16.4	49.1

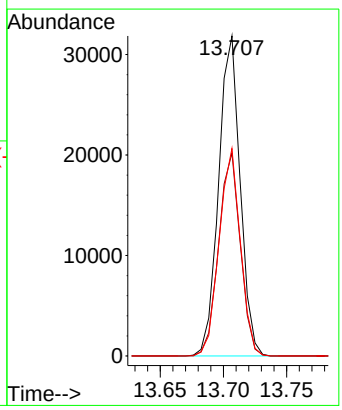


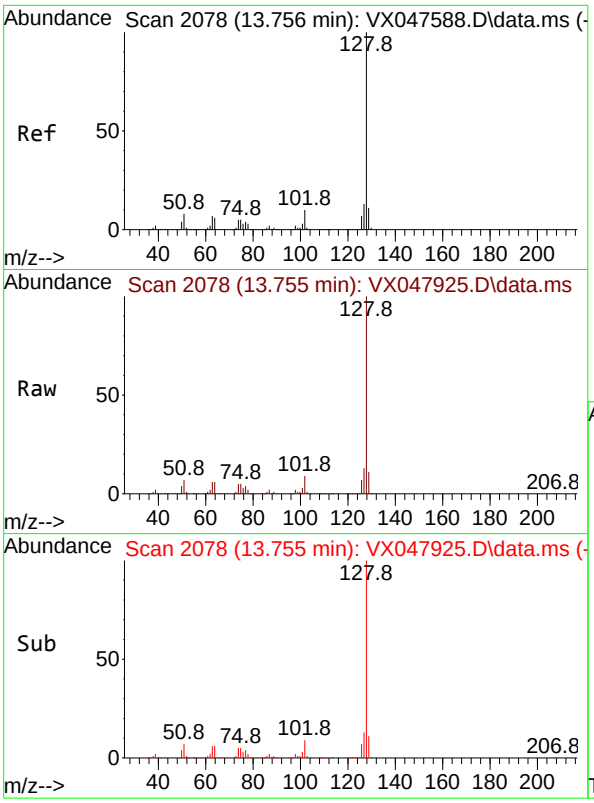


#94
Hexachlorobutadiene
Concen: 46.175 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:225 Resp: 37573

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.0	32.0	96.0



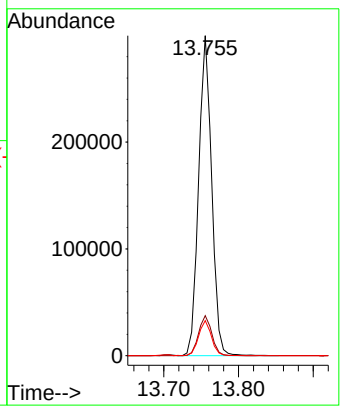


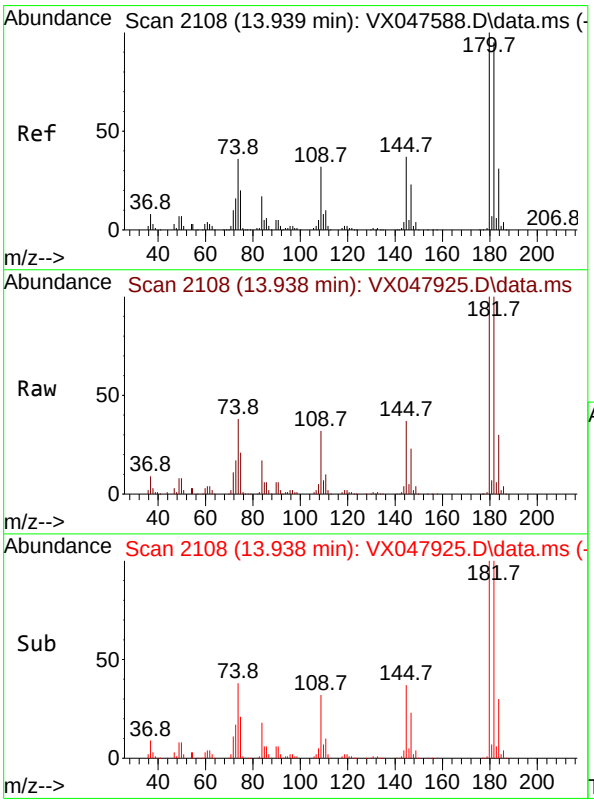
#95
Naphthalene
Concen: 49.706 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 362591

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

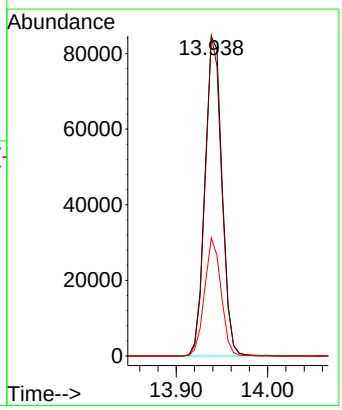




#96
1,2,3-Trichlorobenzene
Concen: 49.057 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047925.D
Acq: 01 Oct 2025 08:44

Tgt Ion:180 Resp: 109321

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	35.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	143368	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	256464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	117338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	116722	51.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.300%			
35) Dibromofluoromethane	5.367	113	90497	52.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.220%			
50) Toluene-d8	8.629	98	308951	51.911	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.820%			
62) 4-Bromofluorobenzene	11.061	95	115941	51.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	29795	20.069	ug/l	95
3) Chloromethane	1.301	50	36407	18.659	ug/l	97
4) Vinyl Chloride	1.380	62	37334	19.547	ug/l	99
5) Bromomethane	1.618	94	27176	22.438	ug/l	98
6) Chloroethane	1.697	64	24793	19.422	ug/l	98
7) Trichlorofluoromethane	1.898	101	55384	19.529	ug/l	97
8) Diethyl Ether	2.136	74	22856	19.702	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	33095	19.958	ug/l	99
10) Methyl Iodide	2.453	142	41522	16.055	ug/l	96
11) Tert butyl alcohol	2.941	59	20372	80.154	ug/l	98
12) 1,1-Dichloroethene	2.325	96	33196	19.489	ug/l	95
13) Acrolein	2.239	56	16119	68.822	ug/l	99
14) Allyl chloride	2.666	41	65150	18.535	ug/l	99
15) Acrylonitrile	3.056	53	95367	101.301	ug/l	99
16) Acetone	2.374	43	94426	95.164	ug/l	99
17) Carbon Disulfide	2.514	76	84931	18.213	ug/l	99
18) Methyl Acetate	2.697	43	44709	20.246	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	122020	19.624	ug/l	100
20) Methylene Chloride	2.788	84	43680	20.797	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	35861	19.555	ug/l	96
22) Diisopropyl ether	3.745	45	138849	20.383	ug/l #	81
23) Vinyl Acetate	3.709	43	534353	98.011	ug/l	99
24) 1,1-Dichloroethane	3.605	63	74689	20.628	ug/l	100
25) 2-Butanone	4.538	43	118738	95.934	ug/l	98
26) 2,2-Dichloropropane	4.465	77	59600	19.803	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	46387	20.654	ug/l	97
28) Bromochloromethane	4.885	49	30651	19.391	ug/l	98
29) Tetrahydrofuran	4.983	42	69981	93.988	ug/l	99
30) Chloroform	5.074	83	77569	21.201	ug/l	100
31) Cyclohexane	5.452	56	54769	18.162	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	62984	20.295	ug/l	98
36) 1,1-Dichloropropene	5.678	75	47797	19.018	ug/l	99
37) Ethyl Acetate	4.696	43	43361	16.113	ug/l	97
38) Carbon Tetrachloride	5.660	117	54154	19.831	ug/l	98
39) Methylcyclohexane	7.360	83	50895	17.839	ug/l	97
40) Benzene	6.019	78	154444	20.232	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	26469	19.053	ug/l		97
42) 1,2-Dichloroethane	6.068	62	59300	20.417	ug/l		100
43) Isopropyl Acetate	6.318	43	82812	18.763	ug/l		99
44) Trichloroethene	7.104	130	36839	19.961	ug/l		96
45) 1,2-Dichloropropane	7.409	63	41267	21.112	ug/l		98
46) Dibromomethane	7.562	93	29032	20.410	ug/l		99
47) Bromodichloromethane	7.806	83	61587	20.982	ug/l		97
48) Methyl methacrylate	7.677	41	40745	18.534	ug/l		99
49) 1,4-Dioxane	7.647	88	9318	419.406	ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	244517	99.924	ug/l		98
52) Toluene	8.702	92	94738	20.144	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	59556	19.892	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	64556	20.173	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	38757	21.372	ug/l		98
56) Ethyl methacrylate	9.098	69	55203	19.383	ug/l		98
57) 1,3-Dichloropropane	9.293	76	65633	21.069	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	128537	101.513	ug/l		99
59) 2-Hexanone	9.415	43	170104	96.790	ug/l		100
60) Dibromochloromethane	9.506	129	45160	21.613	ug/l		99
61) 1,2-Dibromoethane	9.592	107	39392	21.326	ug/l		99
64) Tetrachloroethene	9.256	164	29231	19.018	ug/l		96
65) Chlorobenzene	10.061	112	108167	20.194	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	37627	20.357	ug/l		97
67) Ethyl Benzene	10.177	91	178322	19.294	ug/l		99
68) m/p-Xylenes	10.281	106	134798	39.185	ug/l		99
69) o-Xylene	10.622	106	65016	19.540	ug/l		99
70) Styrene	10.640	104	116119	19.917	ug/l		98
71) Bromoform	10.781	173	28082	20.347	ug/l	#	99
73) Isopropylbenzene	10.945	105	168530	18.892	ug/l		100
74) N-amyl acetate	10.823	43	72147	17.735	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53088	19.670	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	57839	24.346	ug/l		89
77) Bromobenzene	11.183	156	42848	19.502	ug/l		98
78) n-propylbenzene	11.287	91	201137	19.073	ug/l		100
79) 2-Chlorotoluene	11.348	91	122591	18.980	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	139295	19.006	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	15793	16.952	ug/l		97
82) 4-Chlorotoluene	11.439	91	147172	19.293	ug/l		98
83) tert-Butylbenzene	11.695	119	141601	18.873	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	142439	19.169	ug/l		100
85) sec-Butylbenzene	11.872	105	167012	18.741	ug/l		100
86) p-Isopropyltoluene	11.988	119	142178	18.845	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	79760	19.544	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	81177	19.381	ug/l		98
89) n-Butylbenzene	12.317	91	129623	18.568	ug/l		99
90) Hexachloroethane	12.518	117	26051	19.667	ug/l		95
91) 1,2-Dichlorobenzene	12.317	146	76305	19.626	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9081	16.618	ug/l		89
93) 1,2,4-Trichlorobenzene	13.567	180	45852	18.146	ug/l		99
94) Hexachlorobutadiene	13.707	225	16270	18.956	ug/l		99
95) Naphthalene	13.756	128	131572	17.100	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	43451	18.486	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

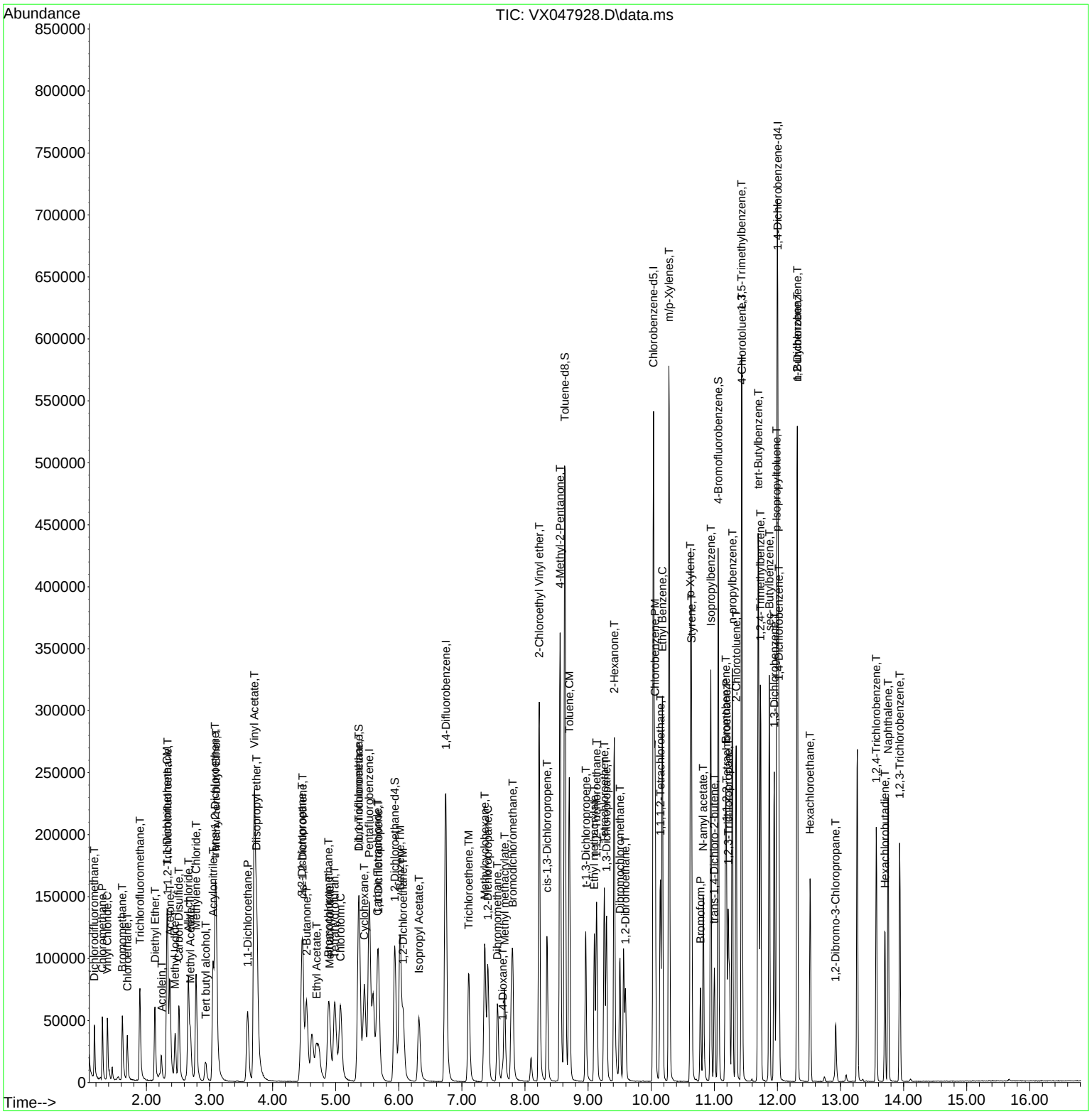
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

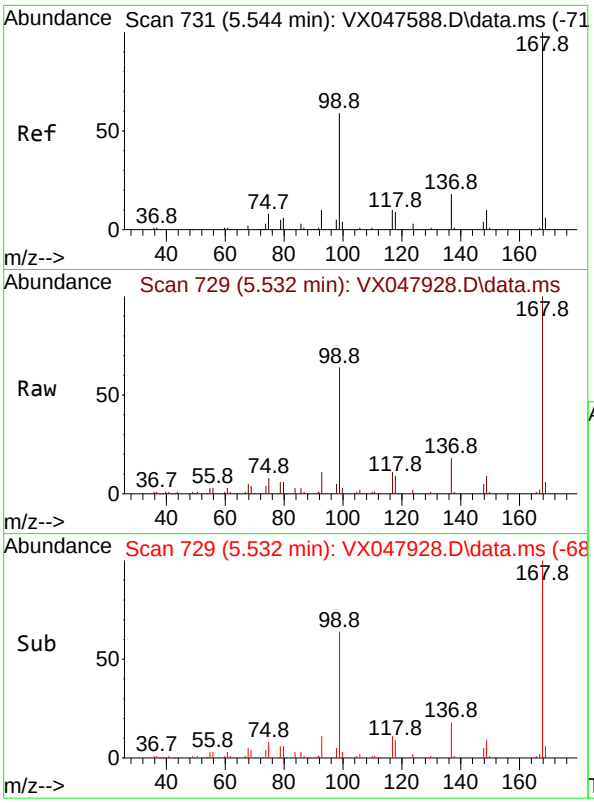
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047928.D
Acq On : 01 Oct 2025 10:59
Operator : JC/MD
Sample : VX1001WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Quant Time: Oct 03 01:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



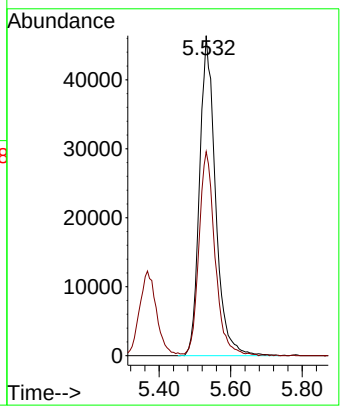


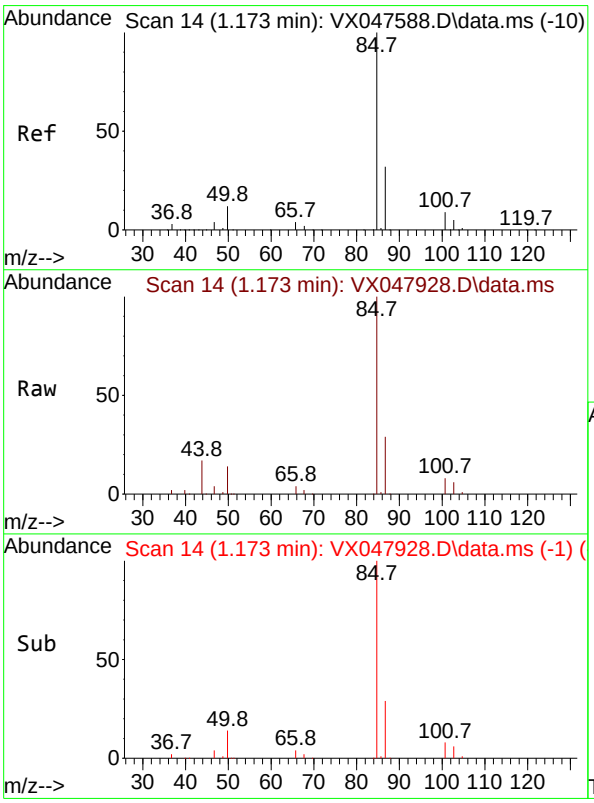
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:168 Resp: 143368

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.8	73.2

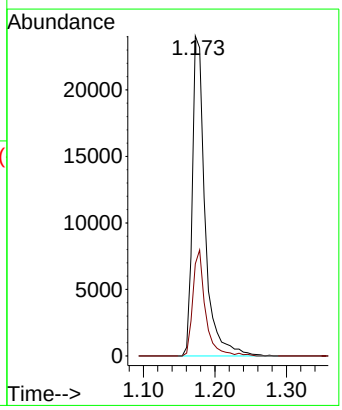


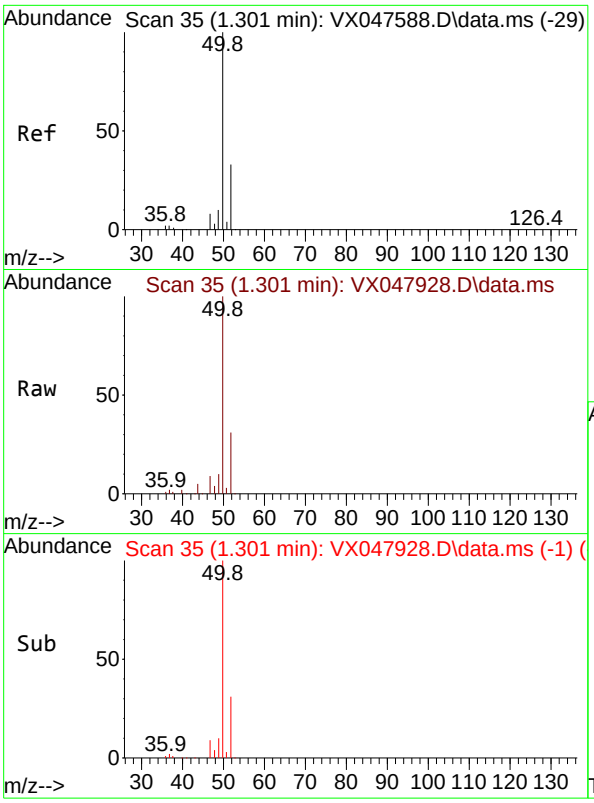


#2
Dichlorodifluoromethane
Concen: 20.069 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 85 Resp: 29795

Ion	Ratio	Lower	Upper
85	100		
87	28.8	15.8	47.3



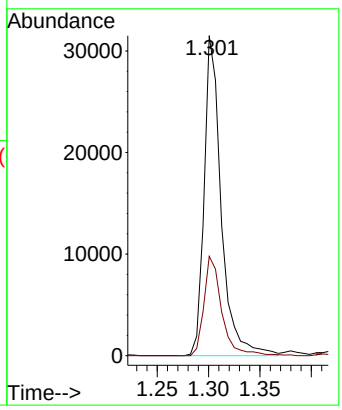


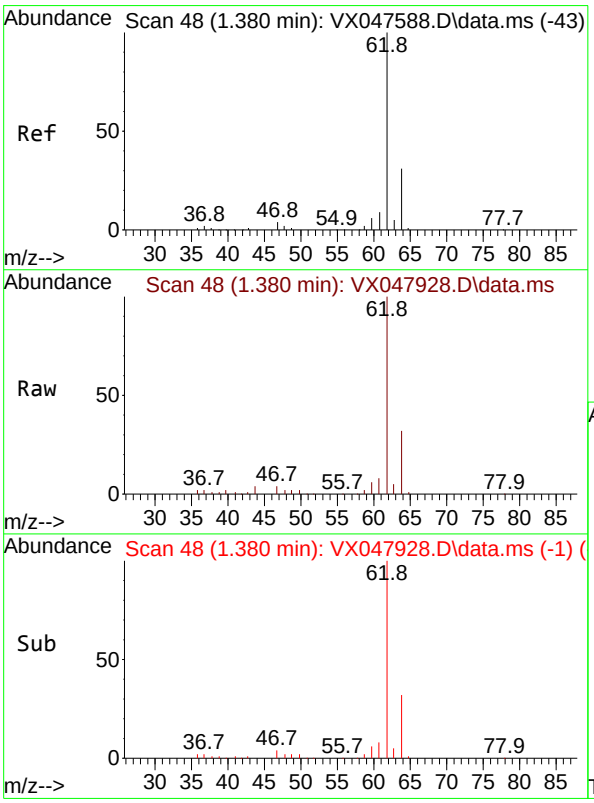
#3
Chloromethane
Concen: 18.659 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 50 Resp: 36407

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1

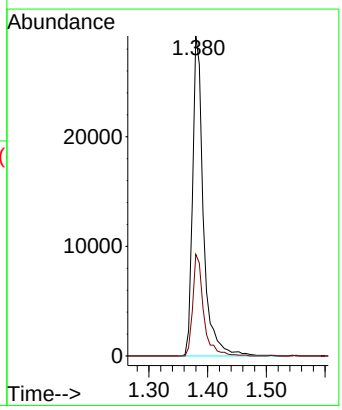


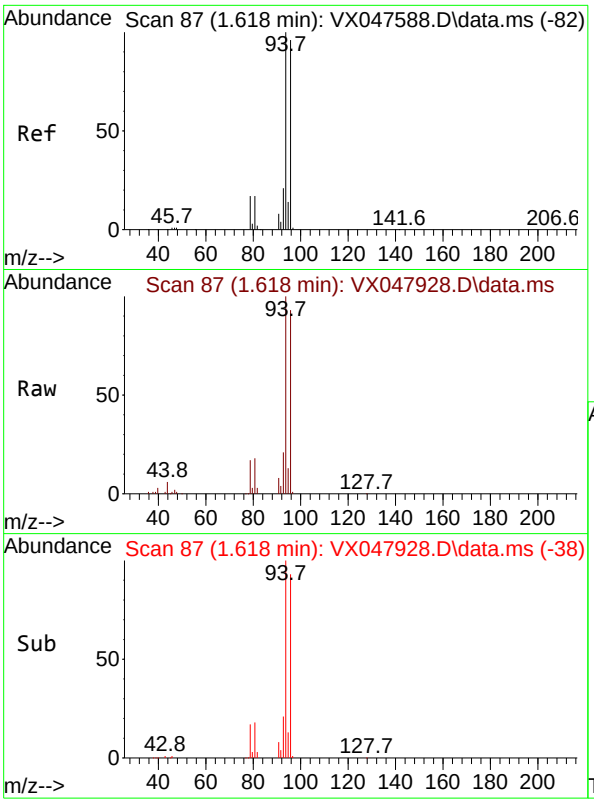


#4
Vinyl Chloride
Concen: 19.547 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 62 Resp: 37334

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3



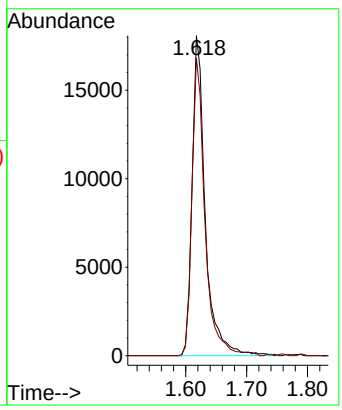


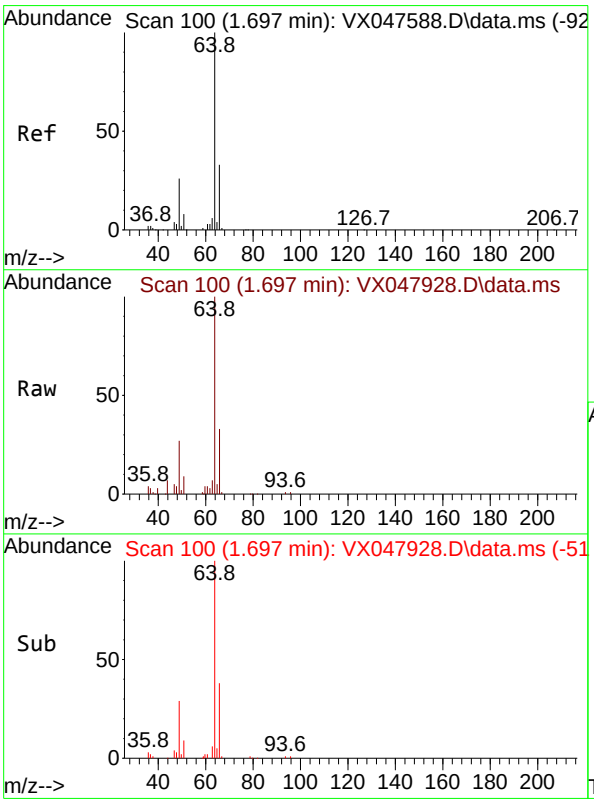
#5
Bromomethane
Concen: 22.438 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 94 Resp: 27176

Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.6	115.0

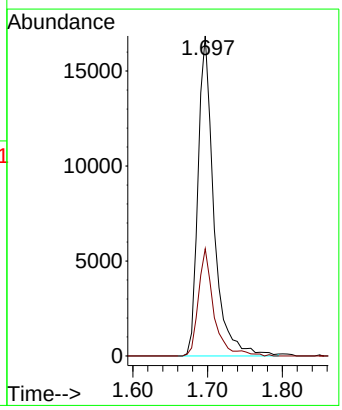


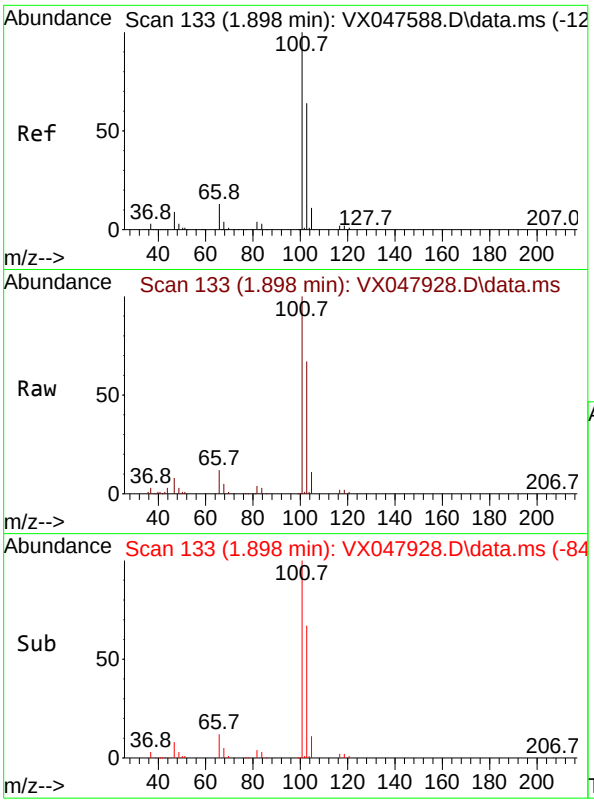


#6
Chloroethane
Concen: 19.422 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 64 Resp: 24793

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.1	39.1



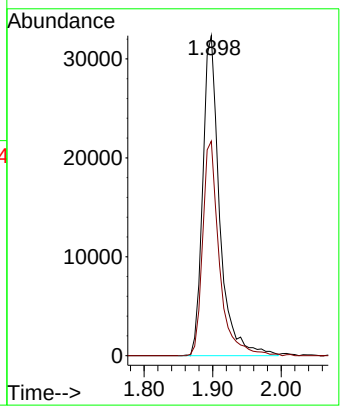


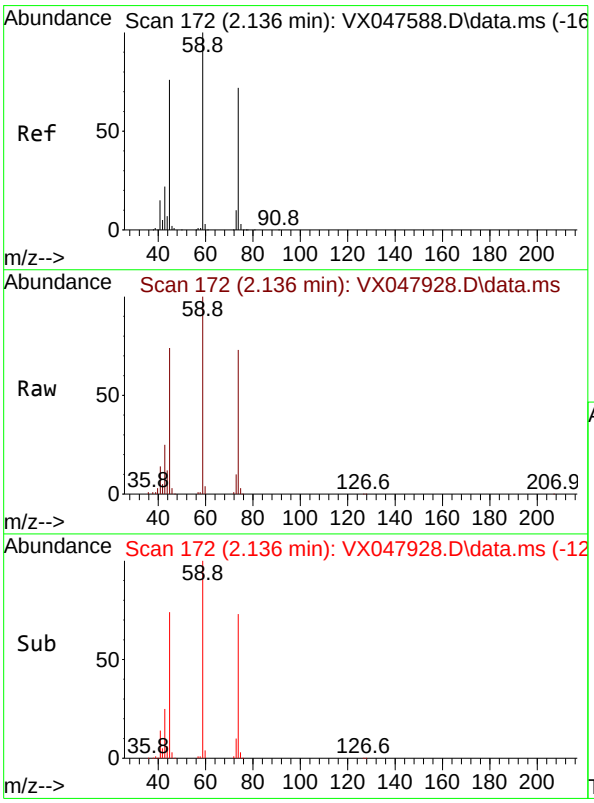
#7
Trichlorofluoromethane
Concen: 19.529 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:101 Resp: 55384

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.4	77.2

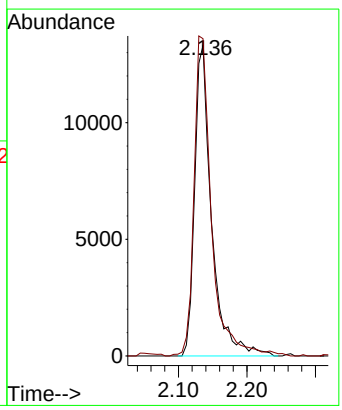


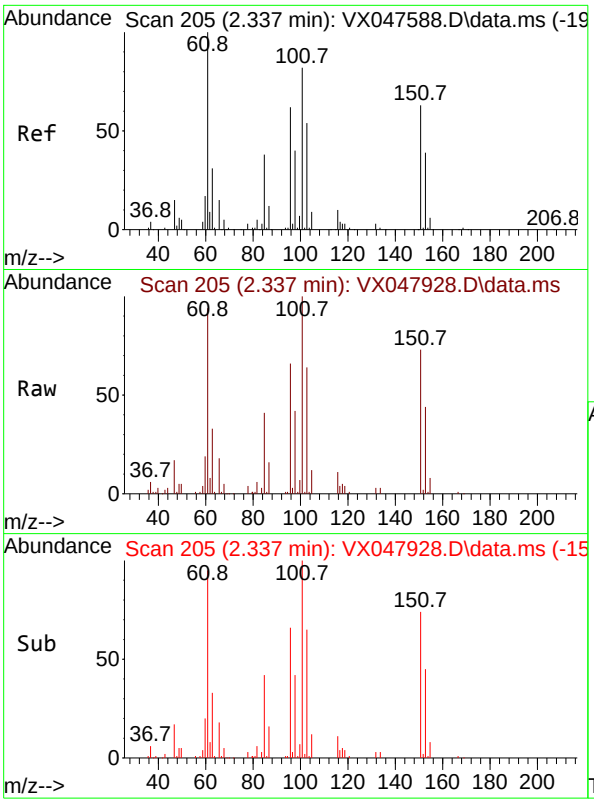


#8
Diethyl Ether
Concen: 19.702 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 74 Resp: 22856

Ion	Ratio	Lower	Upper
74	100		
45	106.4	52.3	156.8



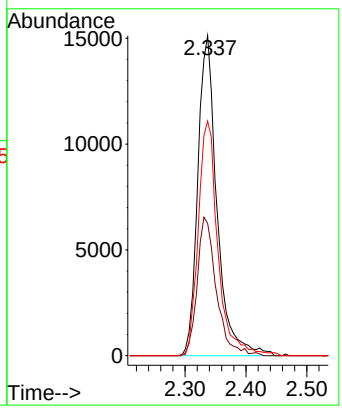


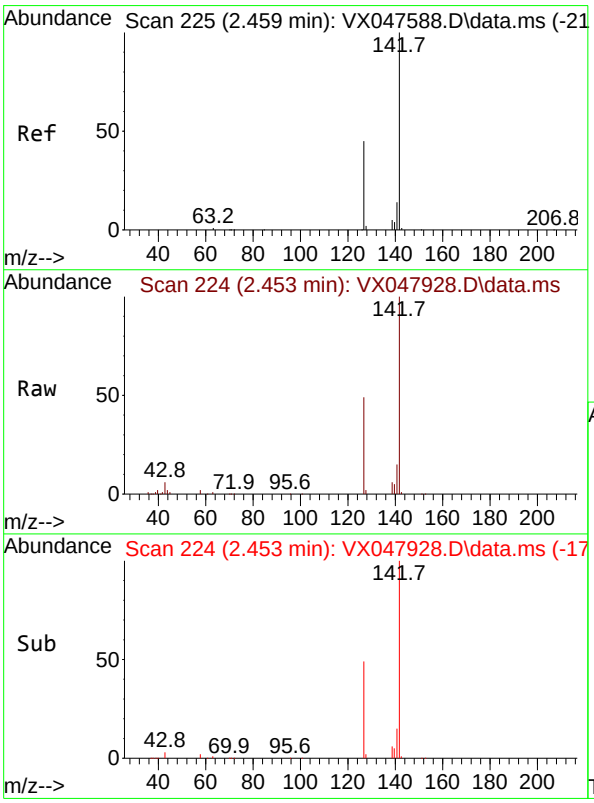
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.958 ug/l
RT: 2.337 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:101 Resp: 33095

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	75.0	59.4	89.0

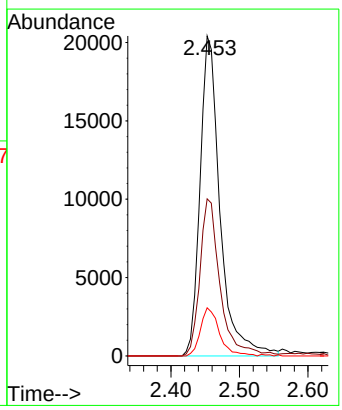


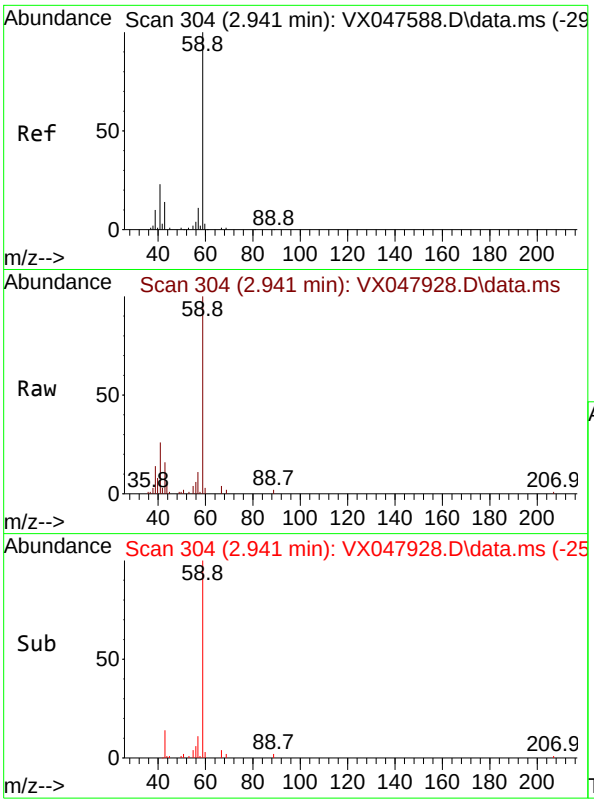


#10
Methyl Iodide
Concen: 16.055 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:142 Resp: 41522

Ion	Ratio	Lower	Upper
142	100		
127	49.5	37.2	55.8
141	14.3	11.4	17.0



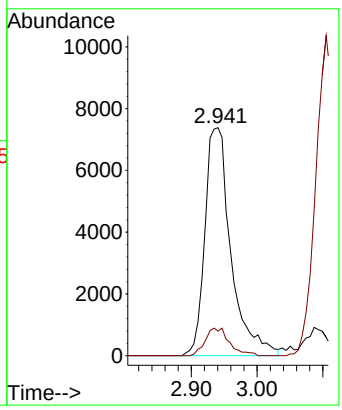


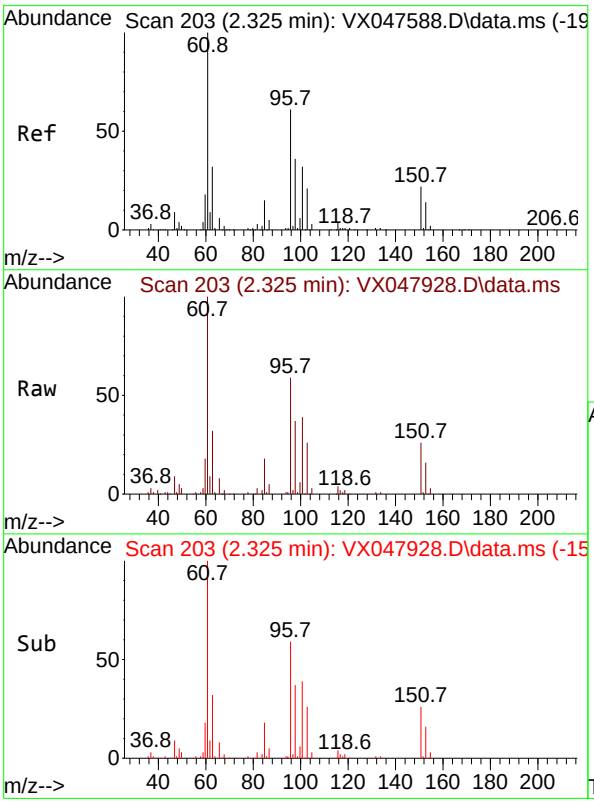
#11
Tert butyl alcohol
Concen: 80.154 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 59 Resp: 20372

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5

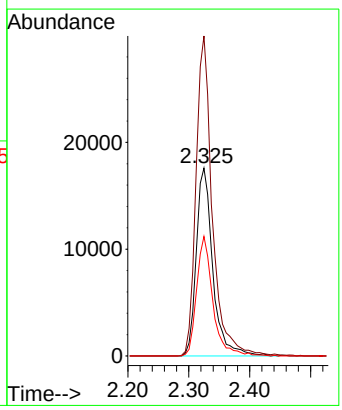


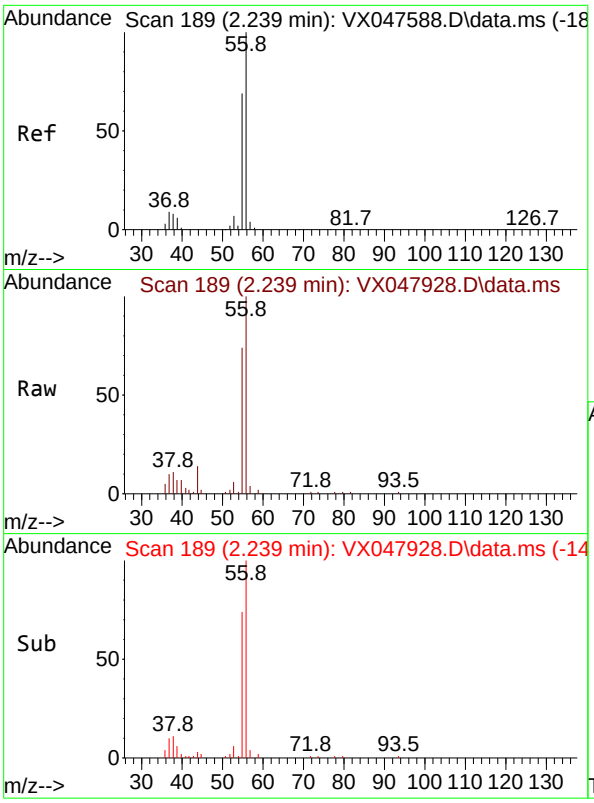


#12
1,1-Dichloroethene
Concen: 19.489 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 96 Resp: 33196

Ion	Ratio	Lower	Upper
96	100		
61	170.4	131.0	196.6
98	63.6	47.7	71.5



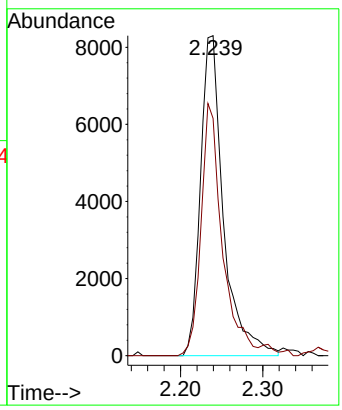


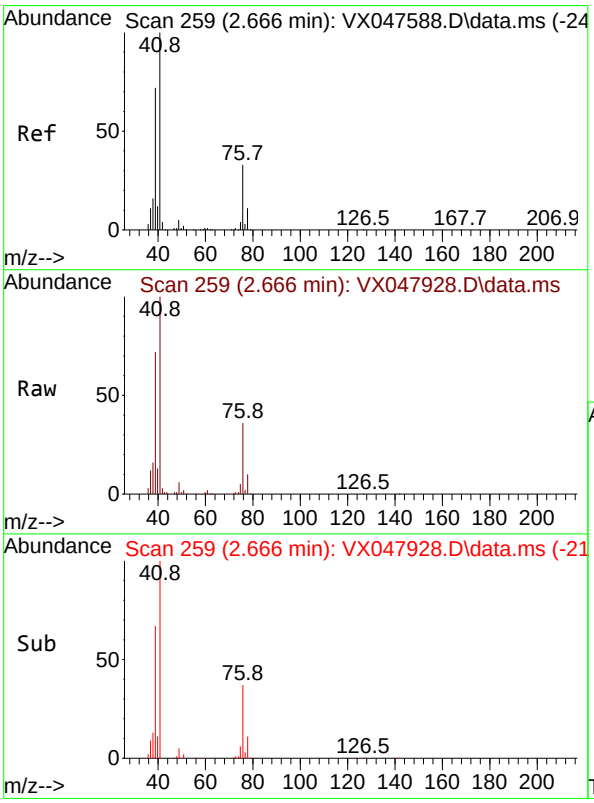
#13
Acrolein
Concen: 68.822 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 56 Resp: 16119

Ion	Ratio	Lower	Upper
56	100		
55	72.4	57.2	85.8

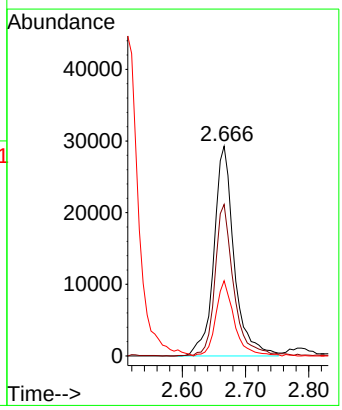


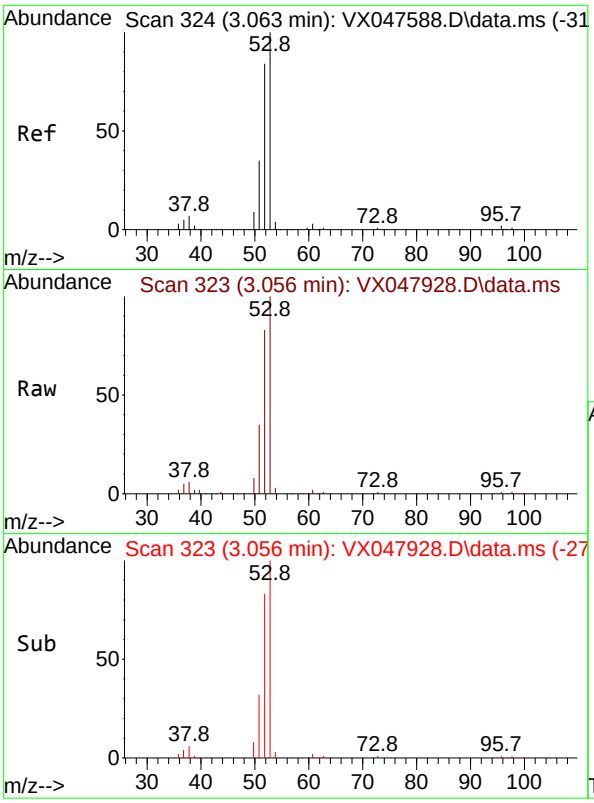


#14
Allyl chloride
Concen: 18.535 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 41 Resp: 65150

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	32.6	25.7	38.5



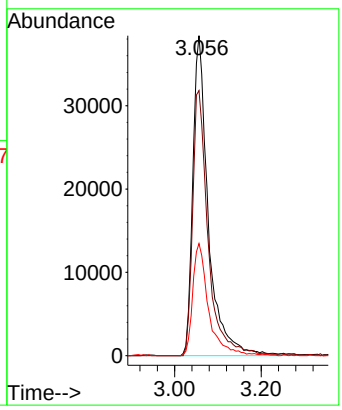


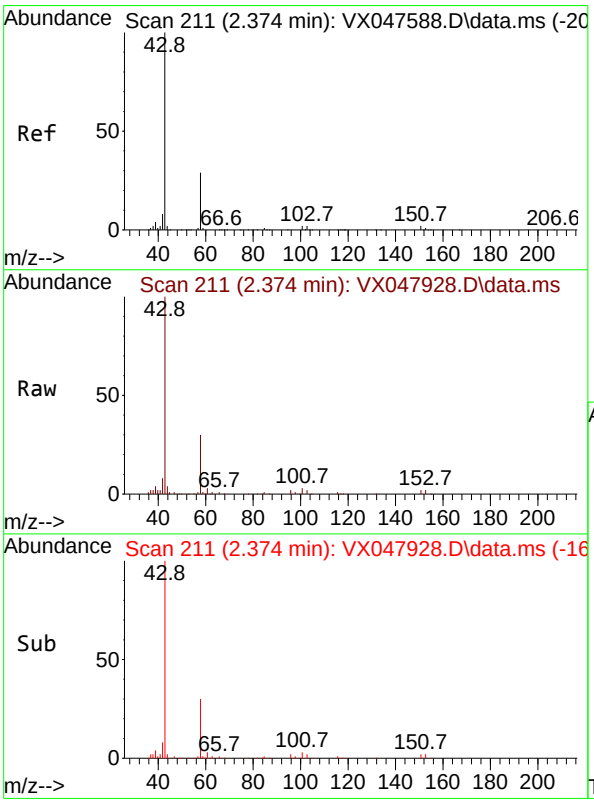
#15
Acrylonitrile
Concen: 101.301 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 53 Resp: 95367

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	35.9	29.5	44.3

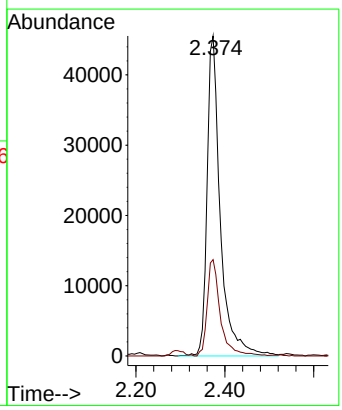


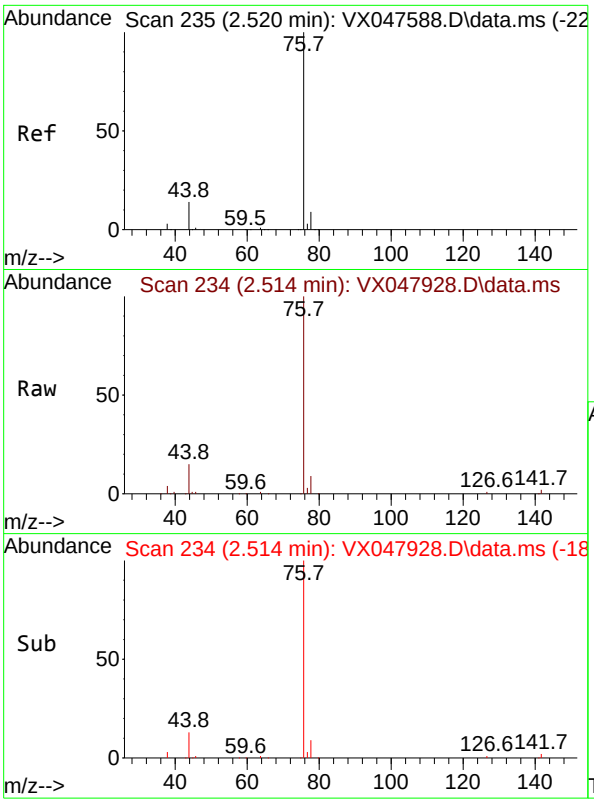


#16
Acetone
Concen: 95.164 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 94426

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



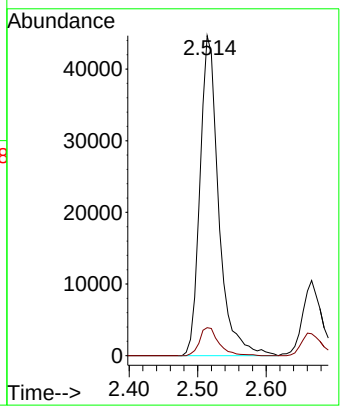


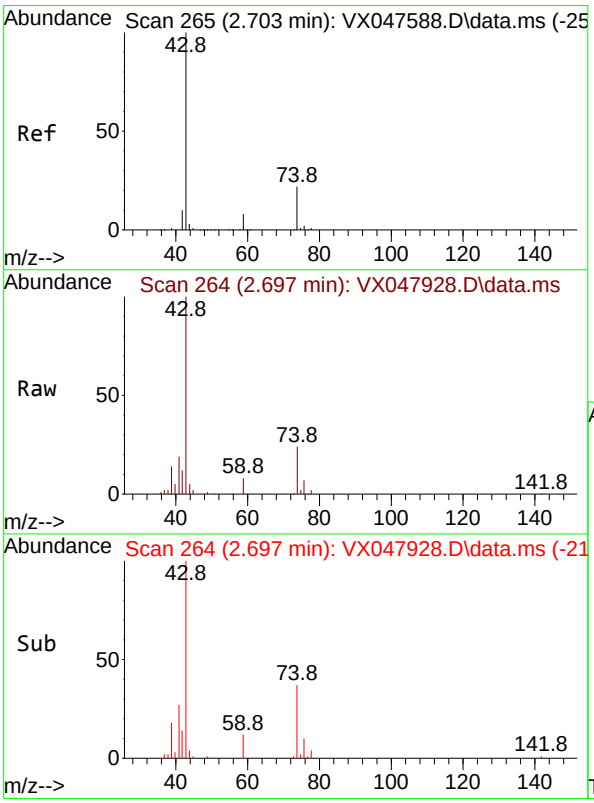
#17
Carbon Disulfide
Concen: 18.213 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 76 Resp: 84931

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

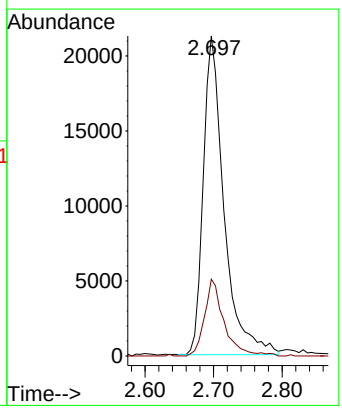


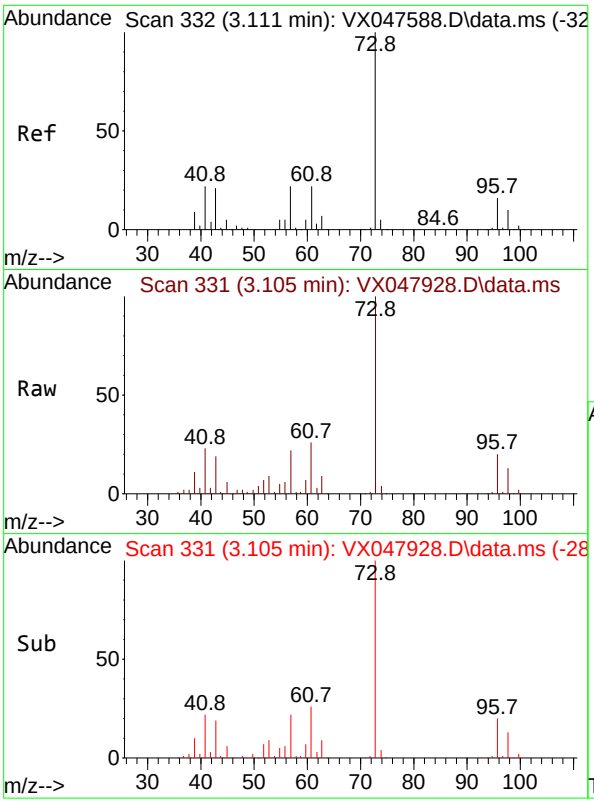


#18
Methyl Acetate
Concen: 20.246 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 44709

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



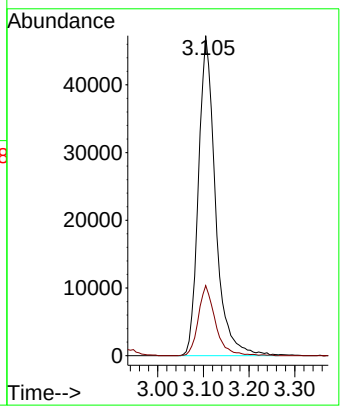


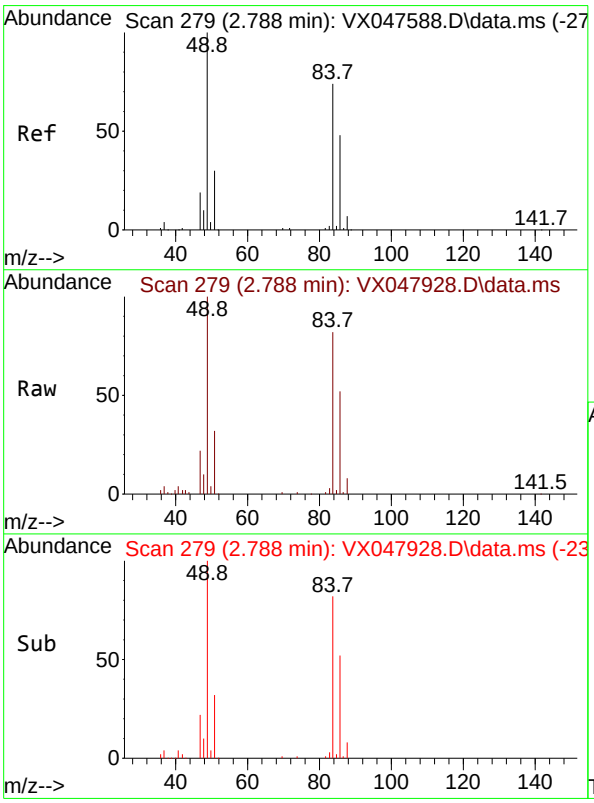
#19
Methyl tert-butyl Ether
Concen: 19.624 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 73 Resp: 122020

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

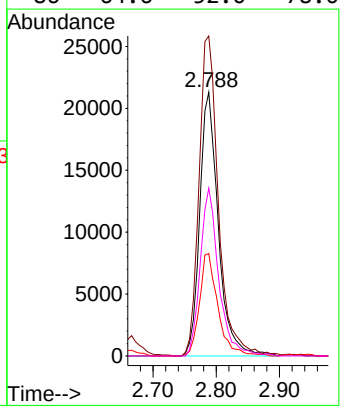


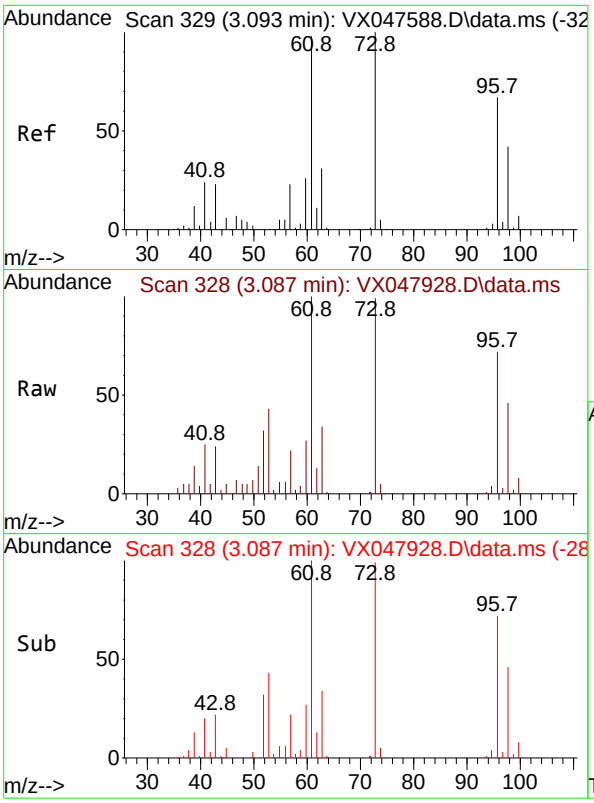


#20
Methylene Chloride
Concen: 20.797 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 84 Resp: 43680

Ion	Ratio	Lower	Upper
84	100		
49	121.3	108.6	162.8
51	38.8	32.6	48.8
86	64.6	52.0	78.0



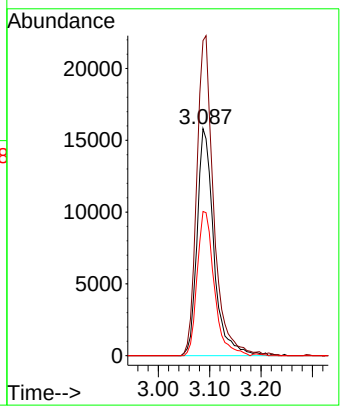


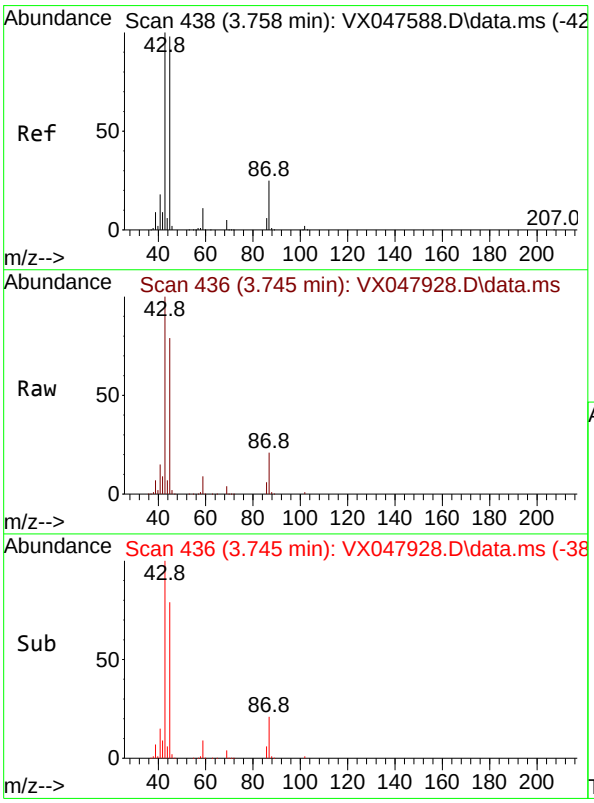
#21
trans-1,2-Dichloroethene
Concen: 19.555 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 96 Resp: 35861

Ion	Ratio	Lower	Upper
96	100		
61	138.8	116.2	174.2
98	63.5	49.3	73.9

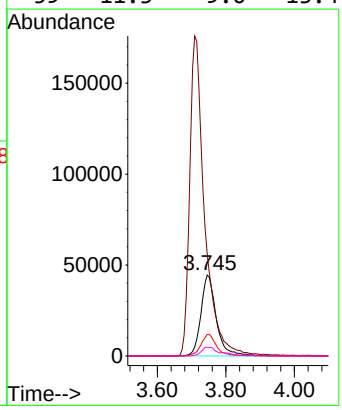


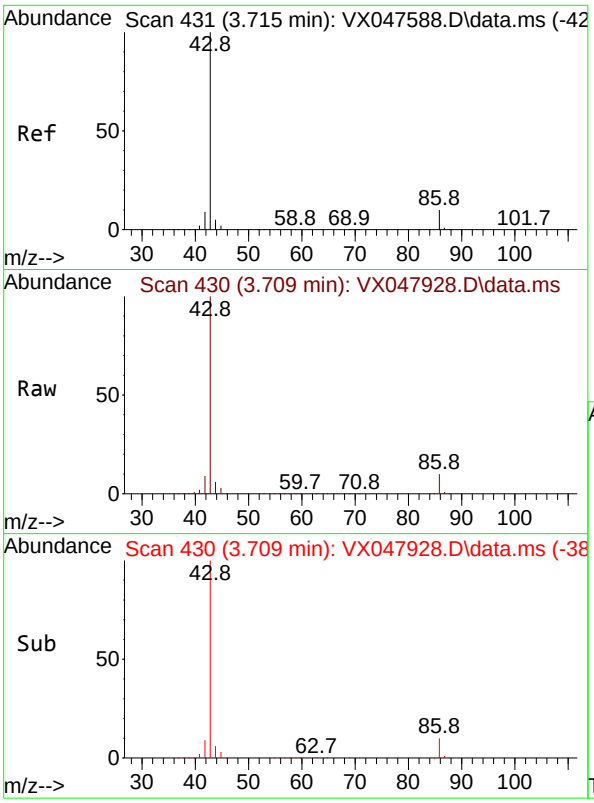


#22
Diisopropyl ether
Concen: 20.383 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 45 Resp: 138849

Ion	Ratio	Lower	Upper
45	100		
43	126.8	81.0	121.4#
87	26.5	20.3	30.5
59	11.3	9.0	13.4



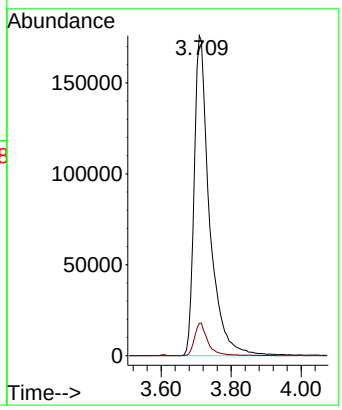


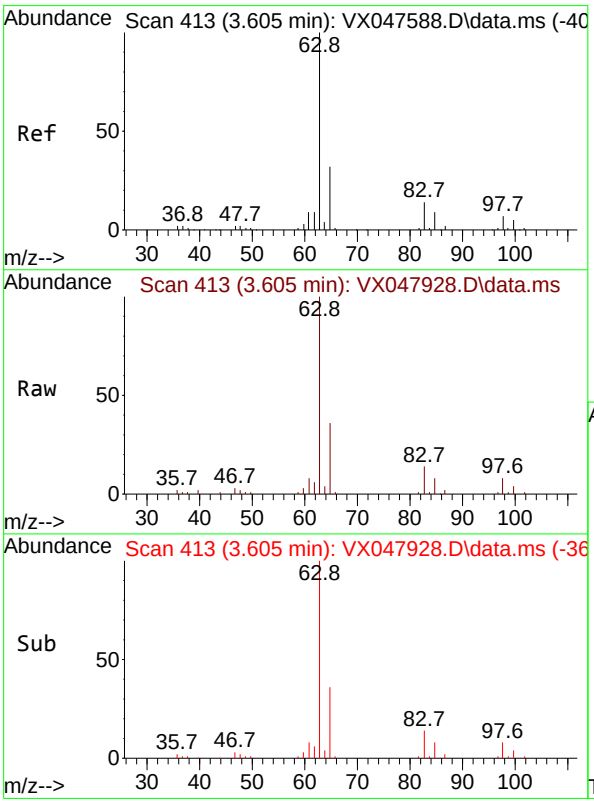
#23
Vinyl Acetate
Concen: 98.011 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 43 Resp: 534353

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

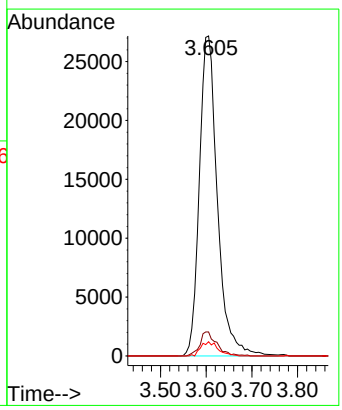


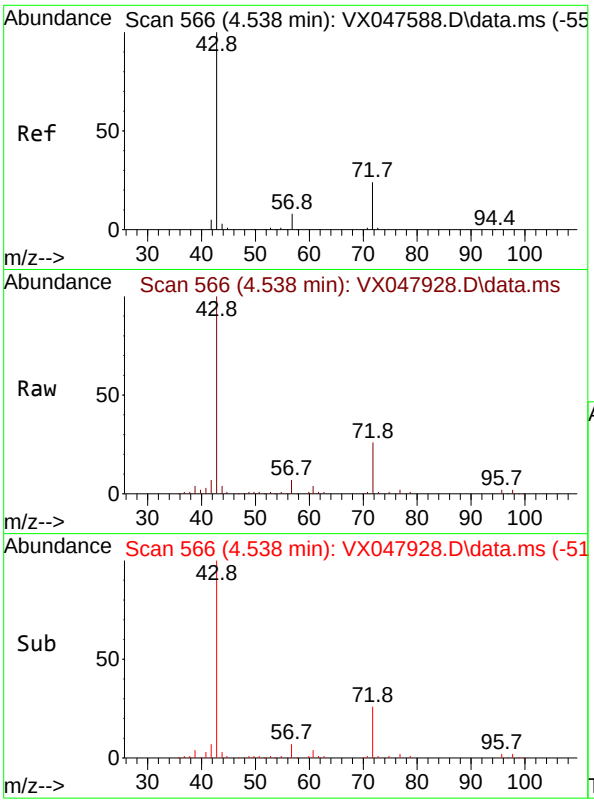


#24
1,1-Dichloroethane
Concen: 20.628 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 63 Resp: 74689

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.4	2.3	6.9



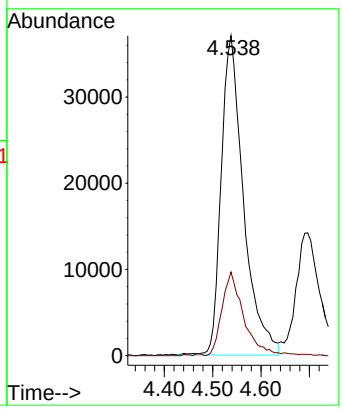


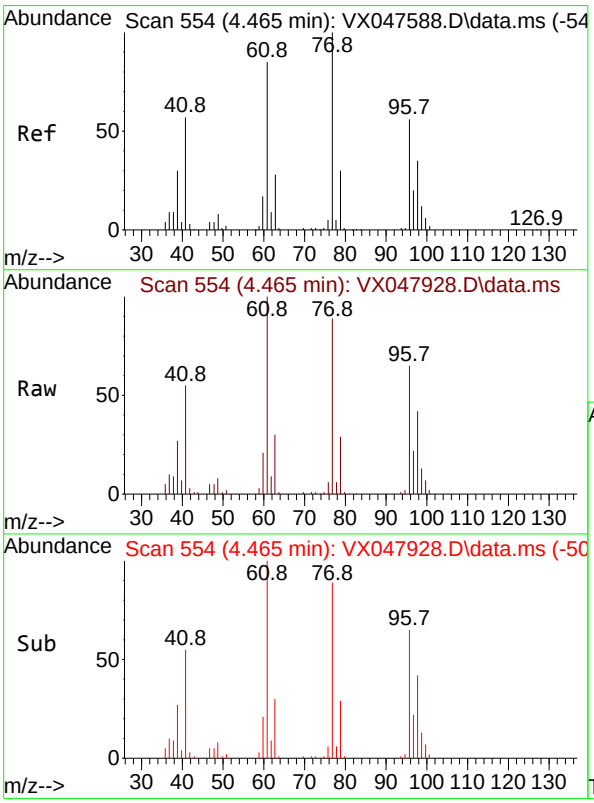
#25
2-Butanone
Concen: 95.934 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 43 Resp: 118738

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.1	30.1

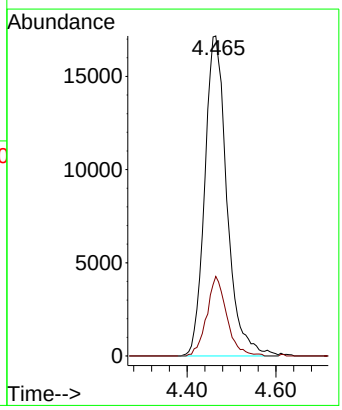


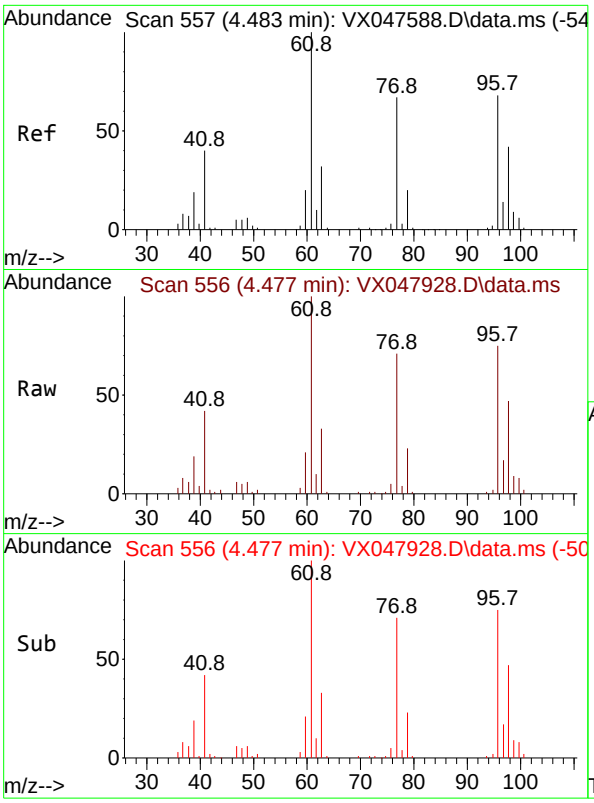


#26
2,2-Dichloropropane
Concen: 19.803 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 77 Resp: 59600

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



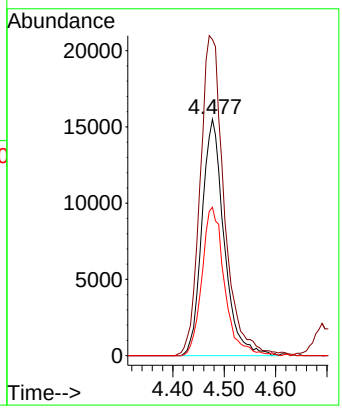


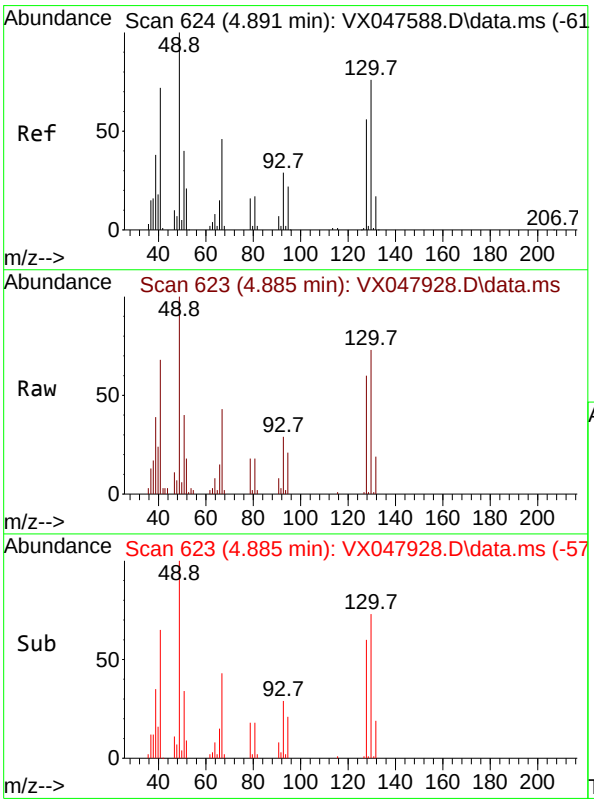
#27
cis-1,2-Dichloroethene
Concen: 20.654 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 96 Resp: 46387

Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	303.2
98	64.0	0.0	127.8

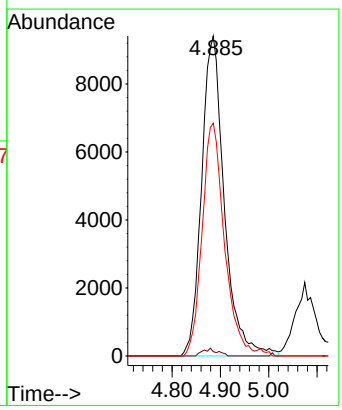


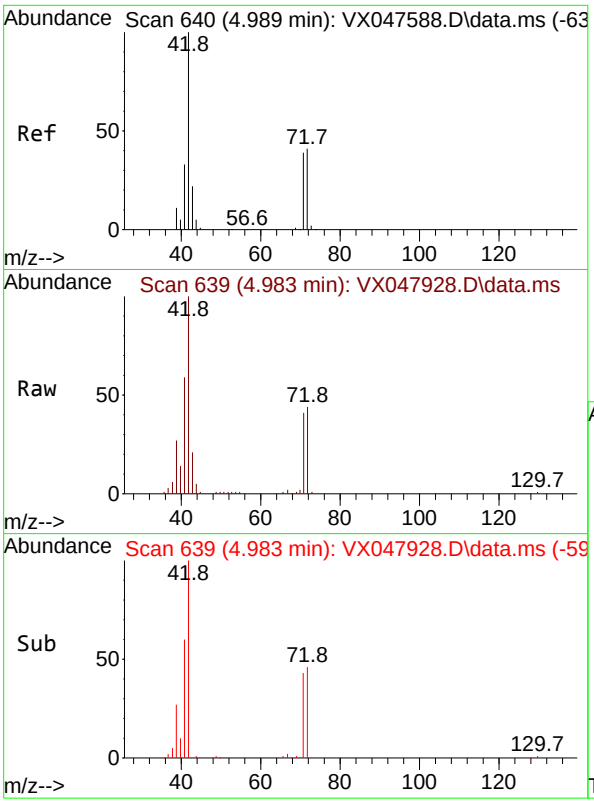


#28
Bromochloromethane
Concen: 19.391 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 49 Resp: 30651

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	71.0	57.8	86.8



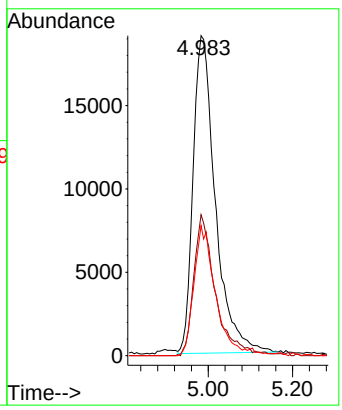


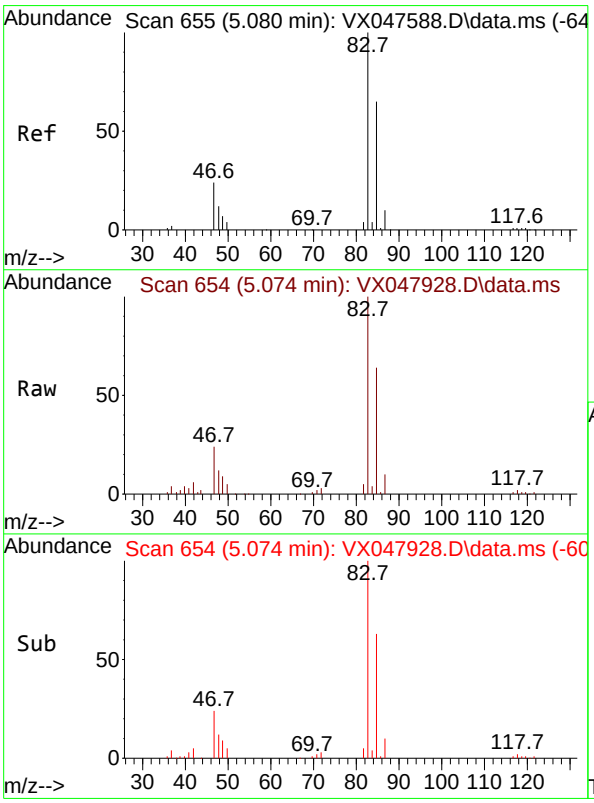
#29
Tetrahydrofuran
Concen: 93.988 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 42 Resp: 69981

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	39.0	31.9	47.9

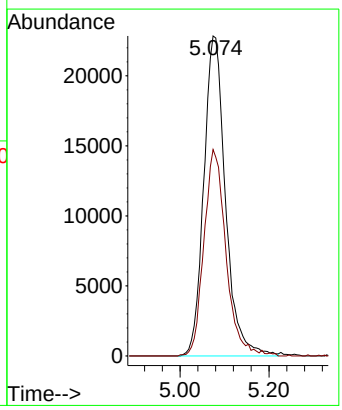


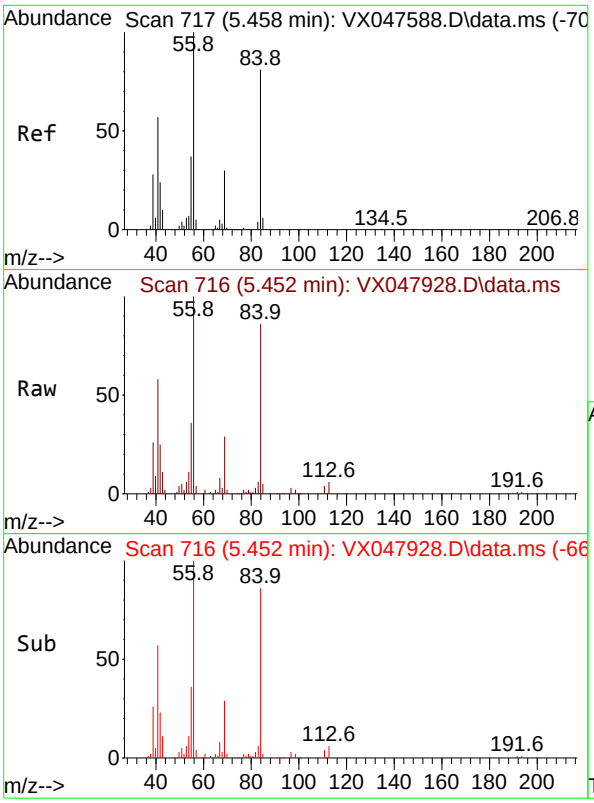


#30
Chloroform
Concen: 21.201 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 83 Resp: 77569

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6



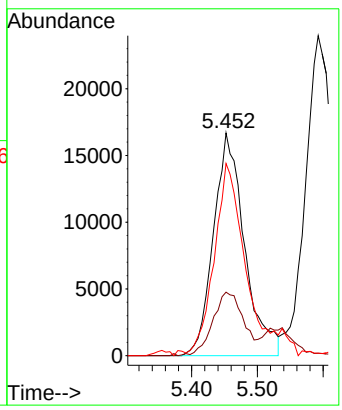


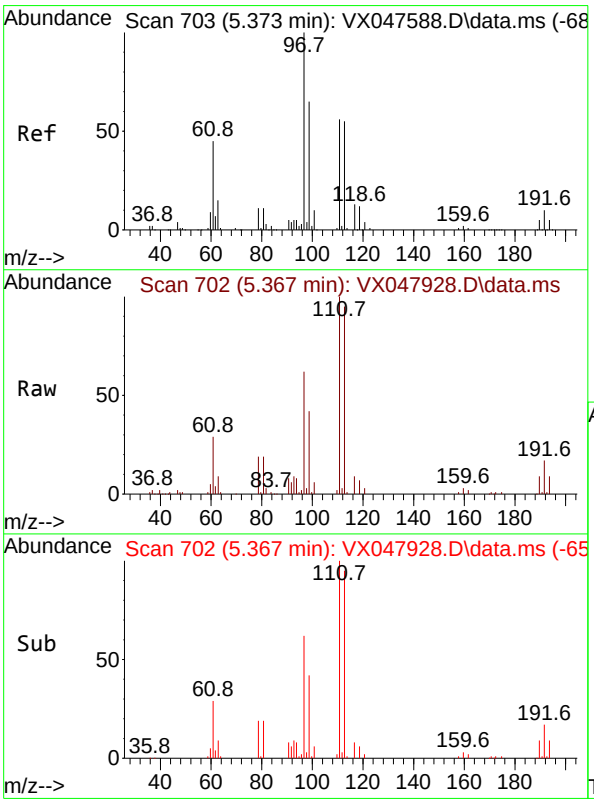
#31
Cyclohexane
Concen: 18.162 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 56 Resp: 54769

Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.8	35.8
84	83.9	64.6	97.0

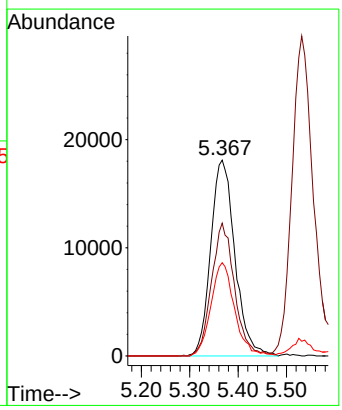


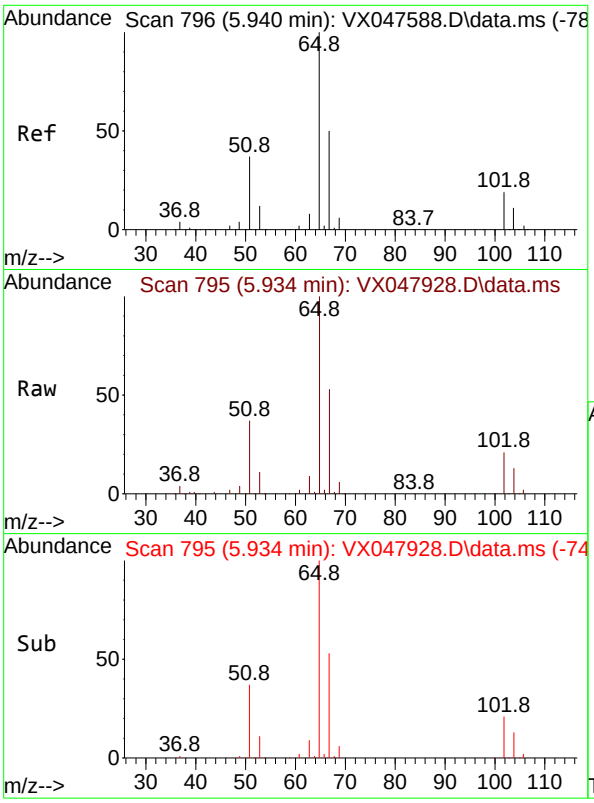


#32
1,1,1-Trichloroethane
Concen: 20.295 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 97 Resp: 62984

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	46.4	35.8	53.8



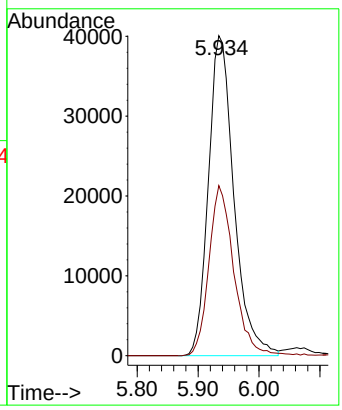


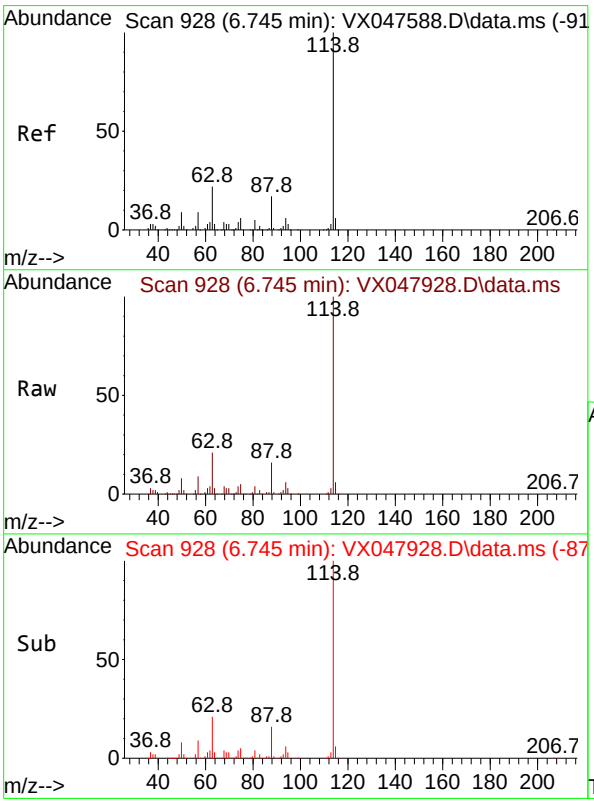
#33
1,2-Dichloroethane-d4
Concen: 51.148 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 65 Resp: 116722

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

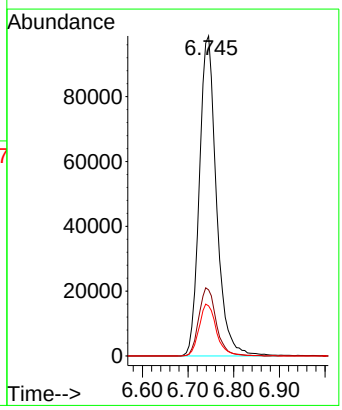


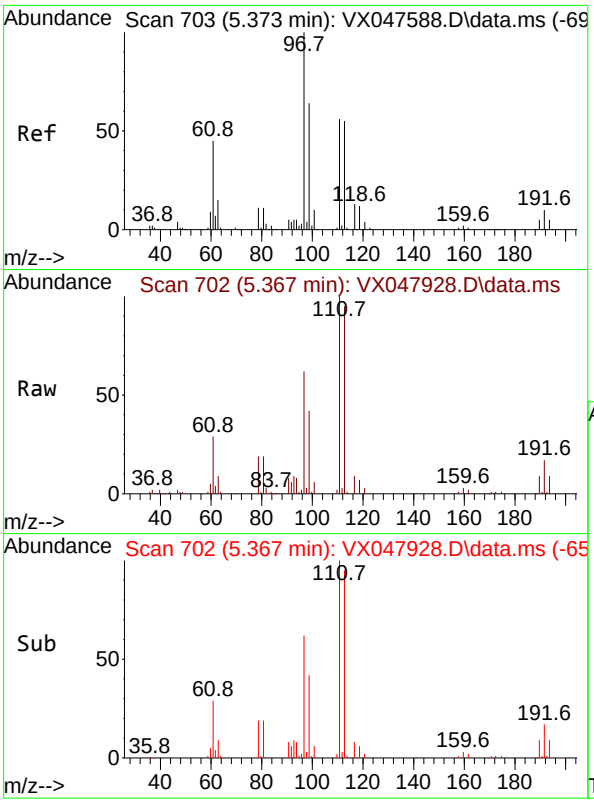


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:114 Resp: 256464

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.7	0.0	34.2



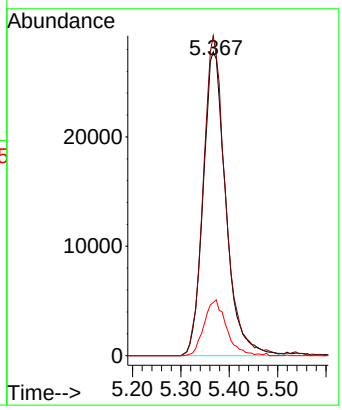


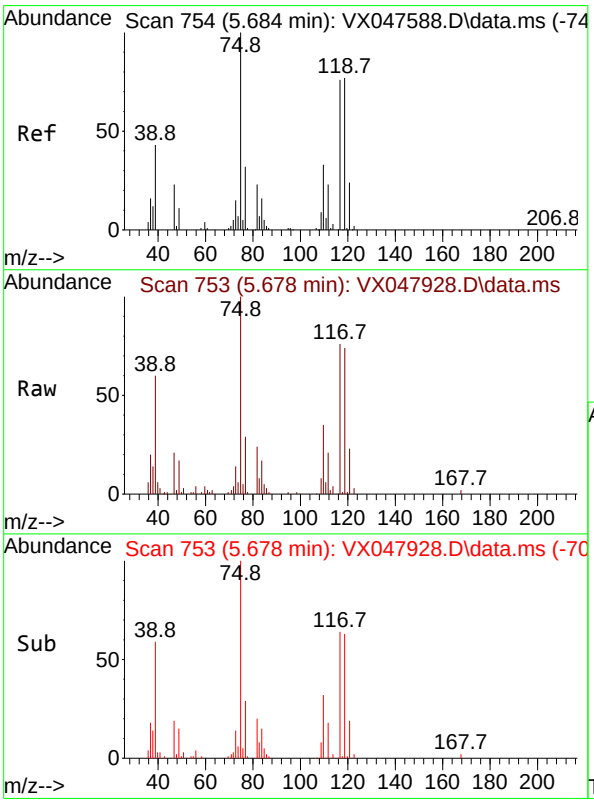
#35
Dibromofluoromethane
Concen: 52.615 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:113 Resp: 90497

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	18.1	14.2	21.4

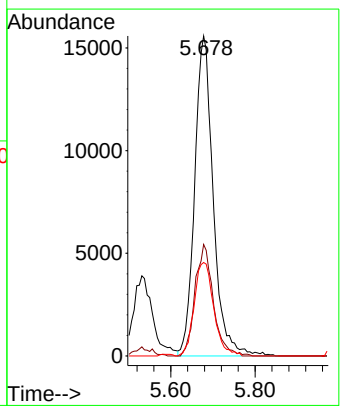


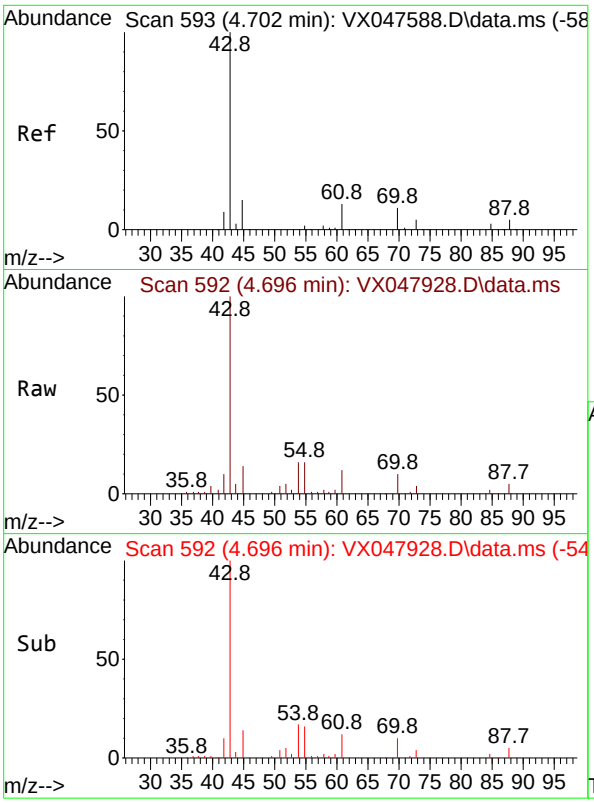


#36
1,1-Dichloropropene
Concen: 19.018 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 47797

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	30.8	24.3	36.5



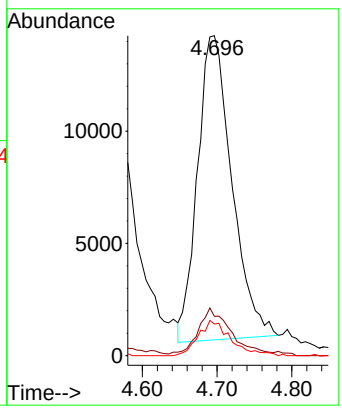


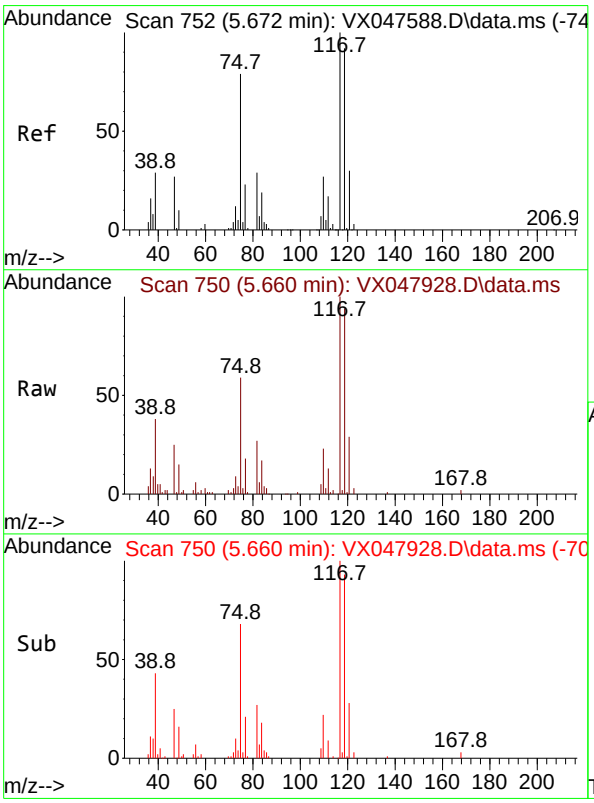
#37
Ethyl Acetate
Concen: 16.113 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 43 Resp: 43361

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.9	7.9	11.9

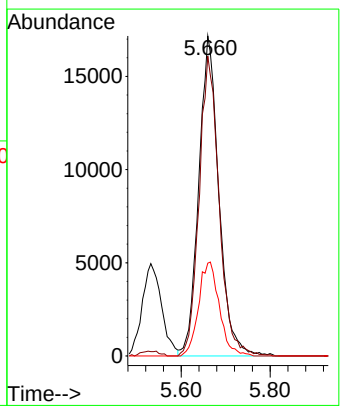


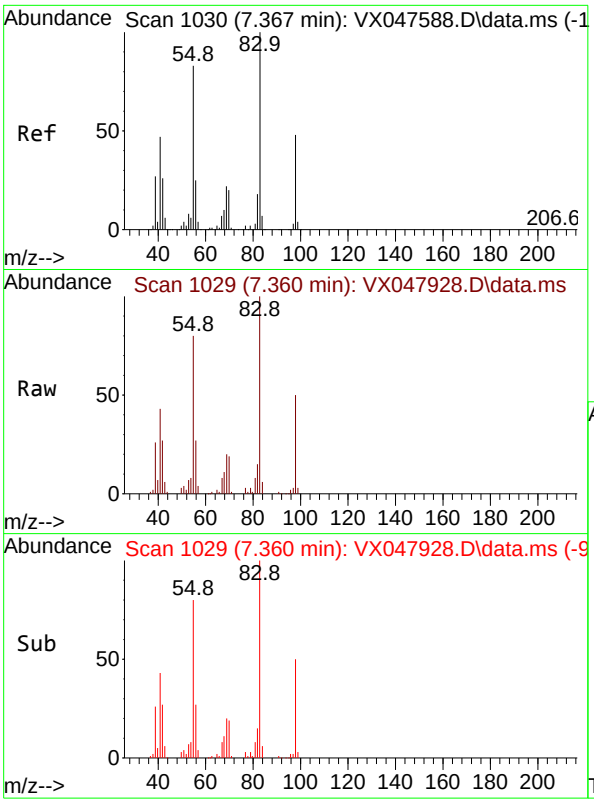


#38
Carbon Tetrachloride
Concen: 19.831 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:117 Resp: 54154

Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.4	110.2
121	29.0	23.8	35.6



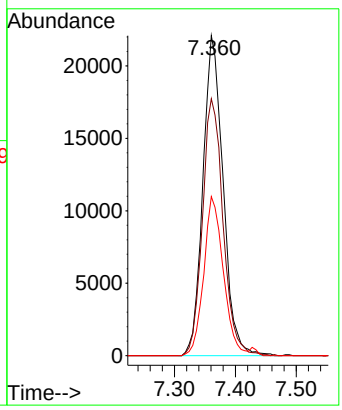


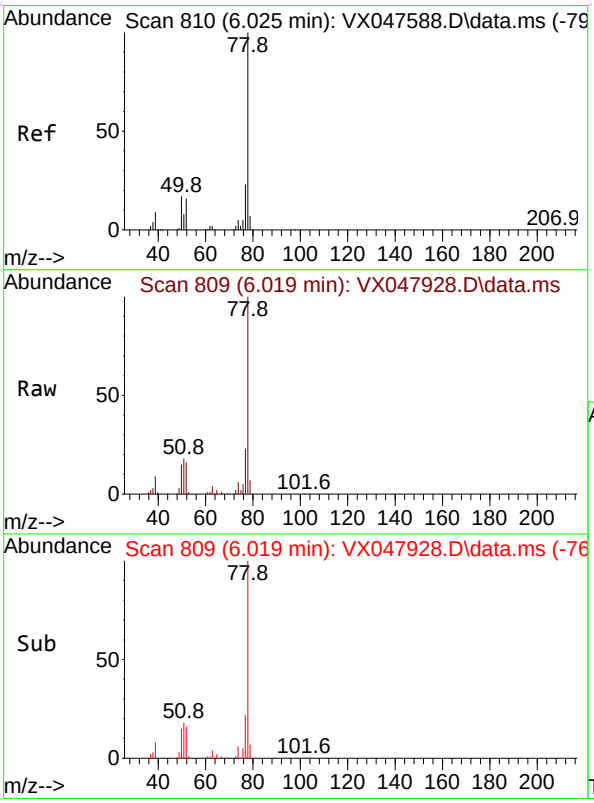
#39
Methylcyclohexane
Concen: 17.839 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 83 Resp: 50895

Ion	Ratio	Lower	Upper
83	100		
55	80.3	66.4	99.6
98	49.7	38.1	57.1

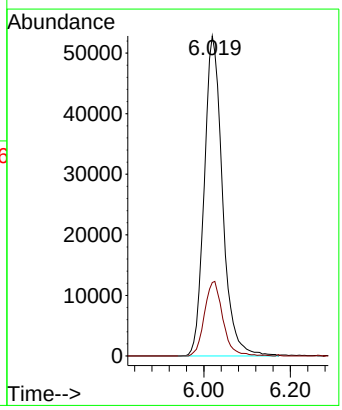


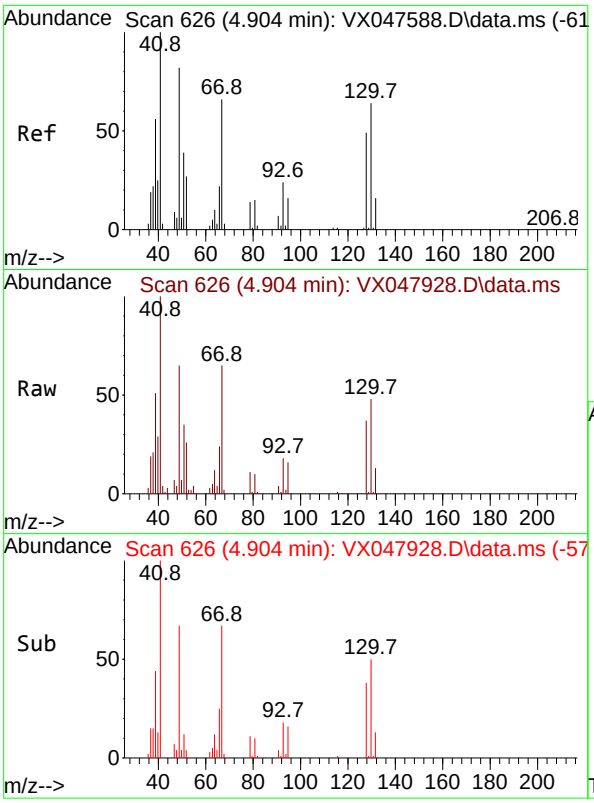


#40
Benzene
Concen: 20.232 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 78 Resp: 154444

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2



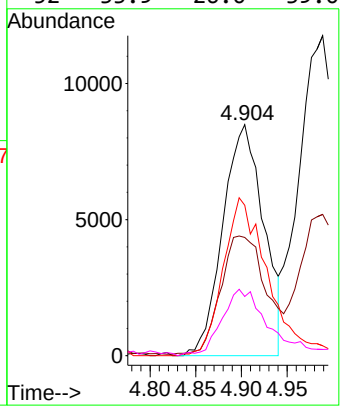


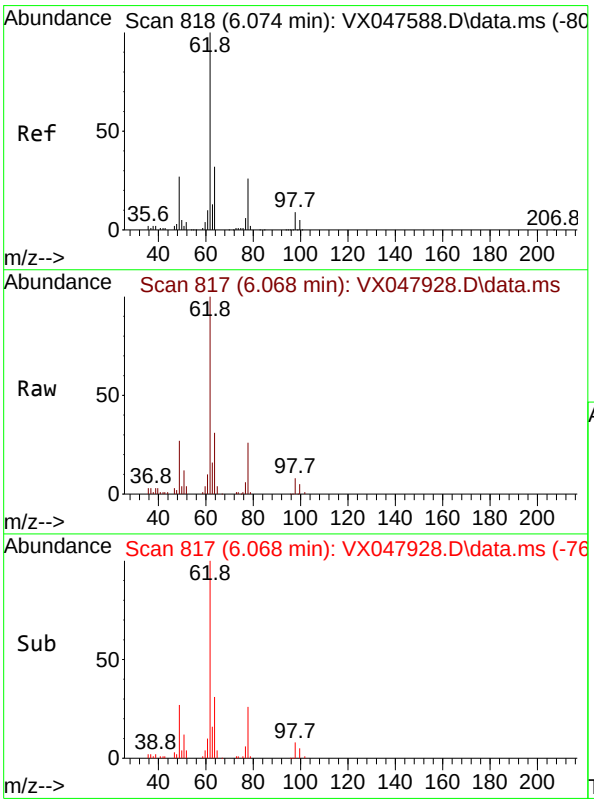
#41
Methacrylonitrile
Concen: 19.053 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 41 Resp: 26469

Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.3	64.9
67	74.8	58.6	87.8
52	33.9	26.0	39.0

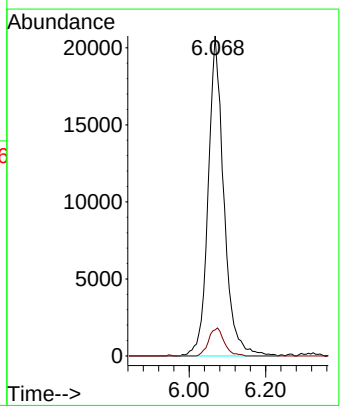


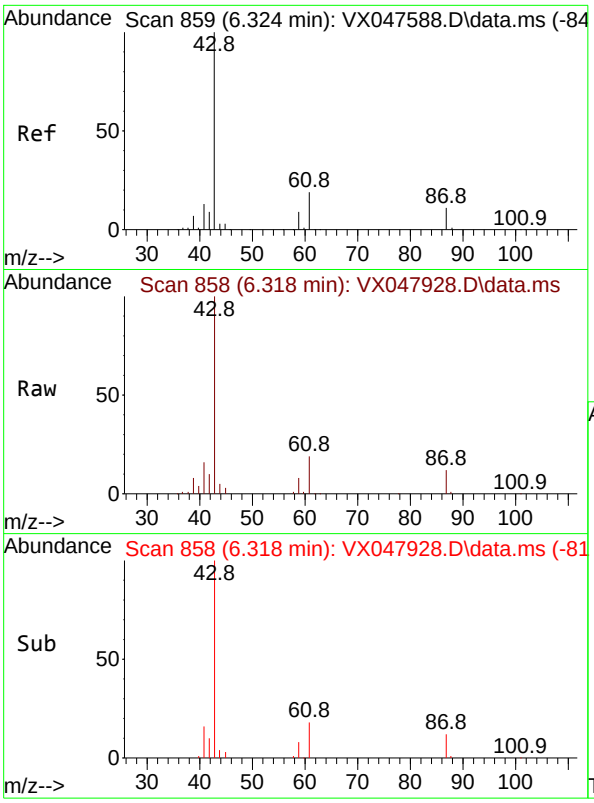


#42
1,2-Dichloroethane
Concen: 20.417 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 62 Resp: 59300

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



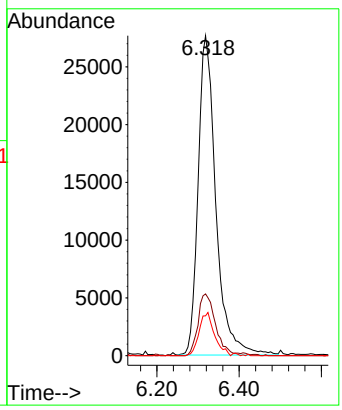


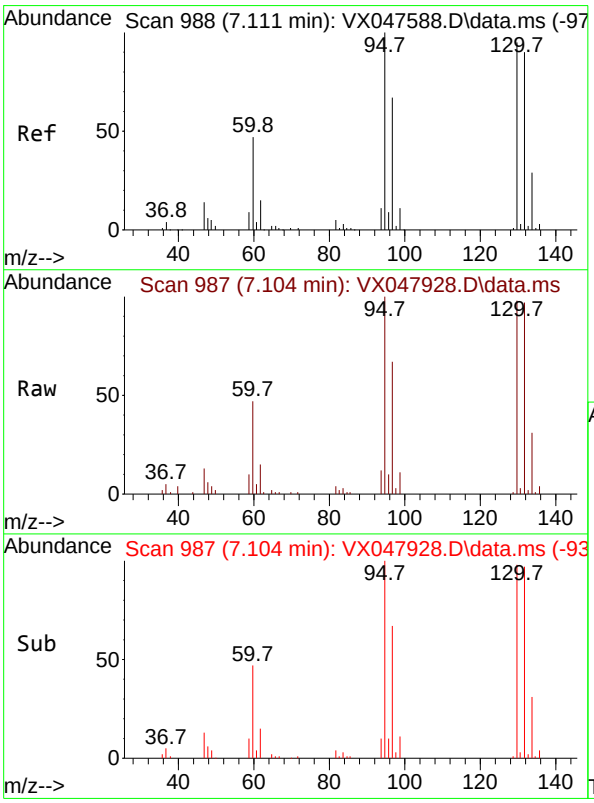
#43
Isopropyl Acetate
Concen: 18.763 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 43 Resp: 82812

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.7	9.6	14.4

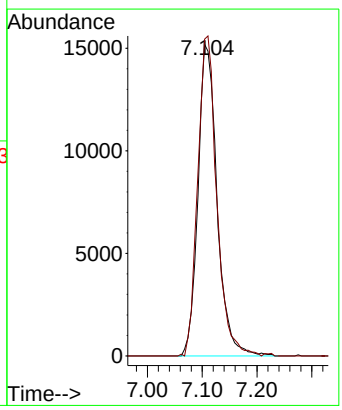


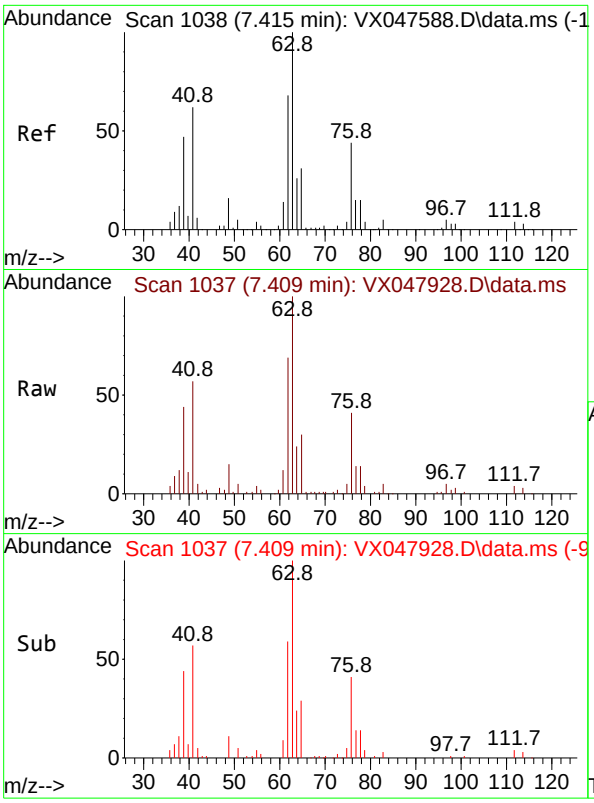


#44
Trichloroethene
Concen: 19.961 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:130 Resp: 36839

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	210.8



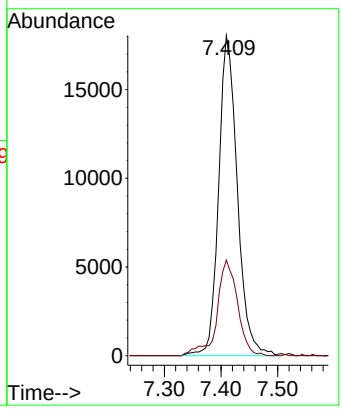


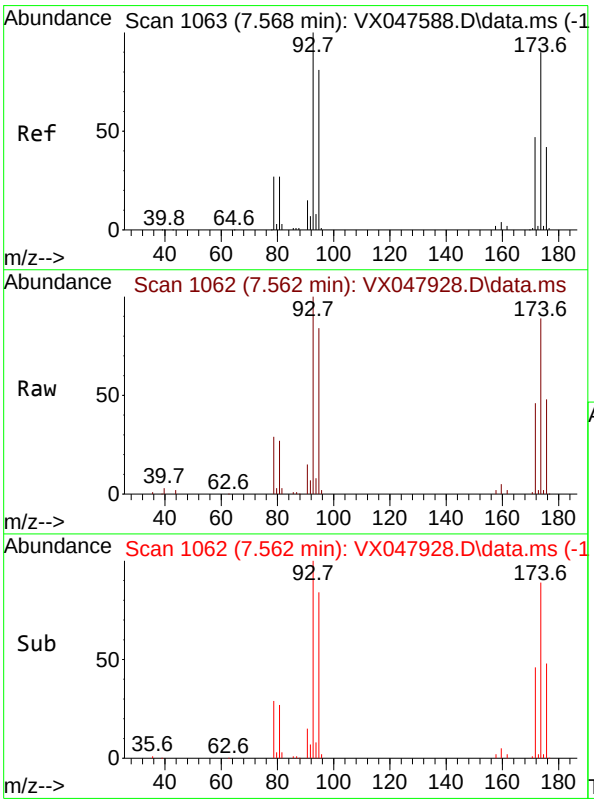
#45
1,2-Dichloropropane
Concen: 21.112 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 63 Resp: 41267

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1

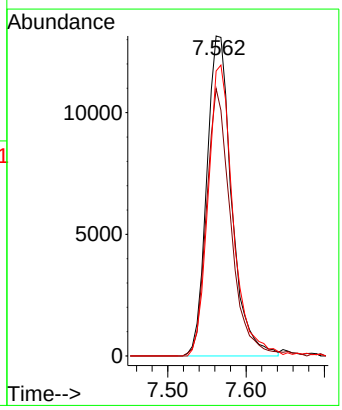


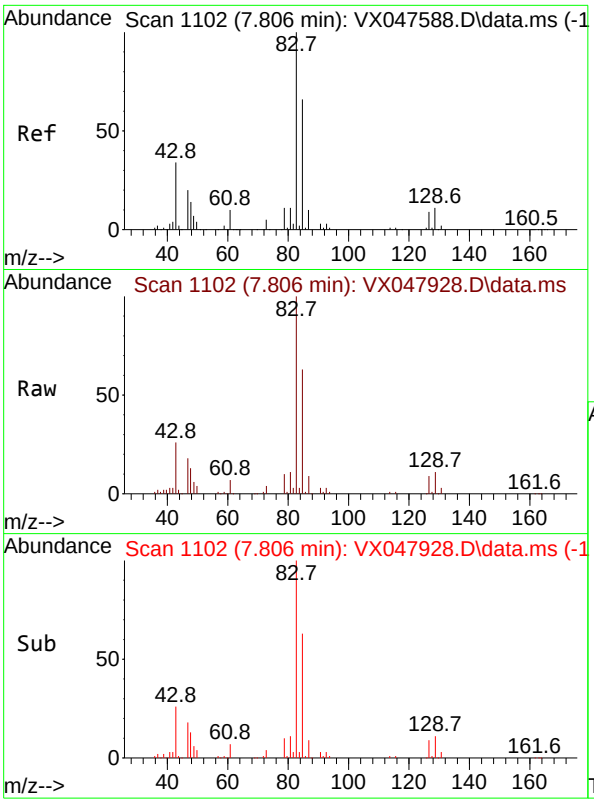


#46
Dibromomethane
Concen: 20.410 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 93 Resp: 29032

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.0	97.6
174	91.3	71.6	107.4



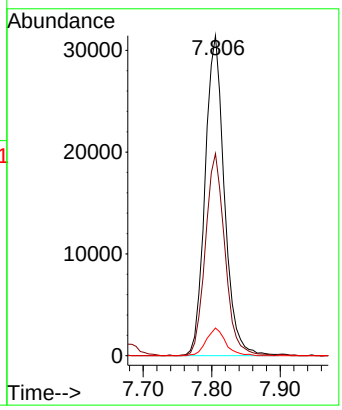


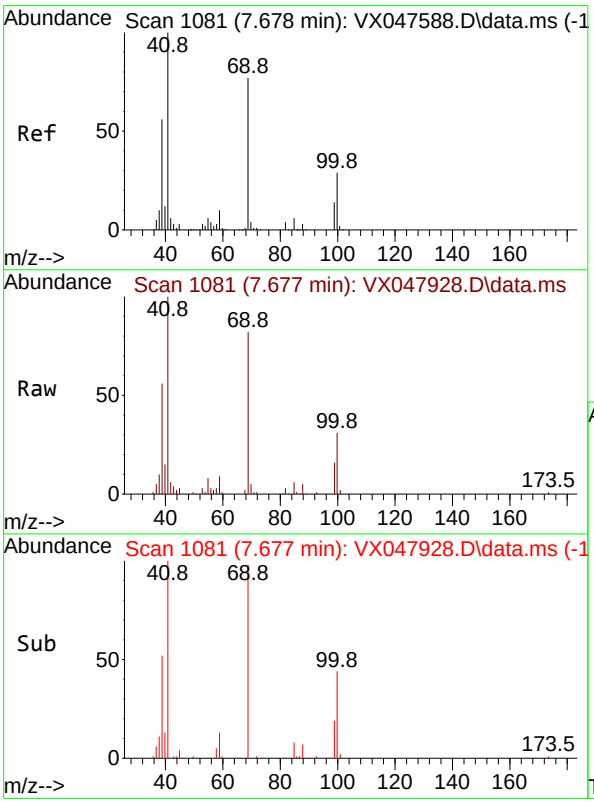
#47
Bromodichloromethane
Concen: 20.982 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 83 Resp: 61587

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7
127	8.7	6.9	10.3

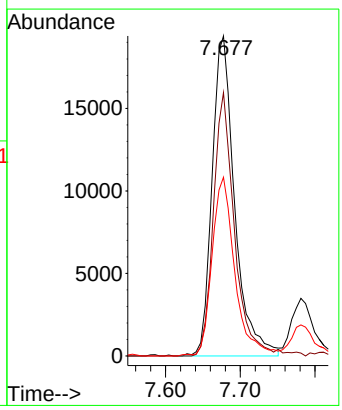


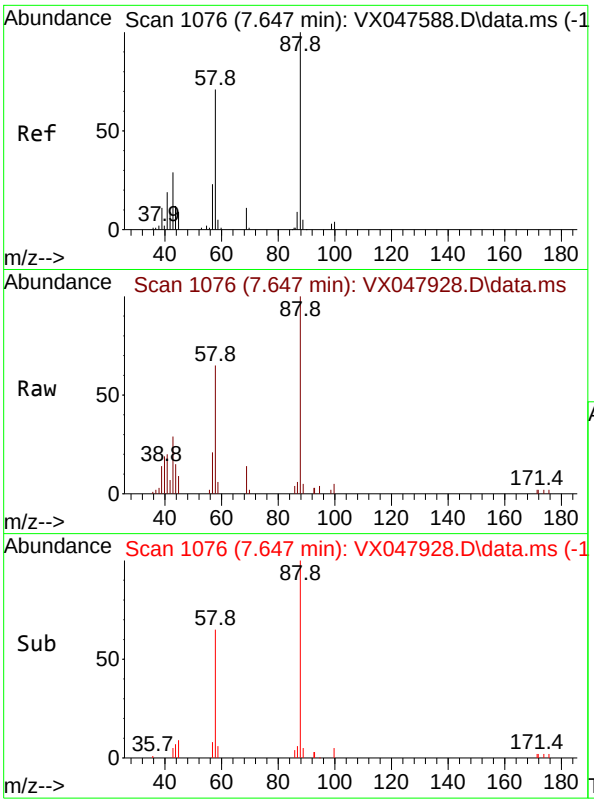


#48
Methyl methacrylate
Concen: 18.534 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 41 Resp: 40745

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	56.3	45.8	68.6



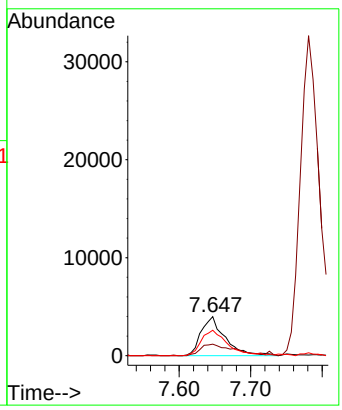


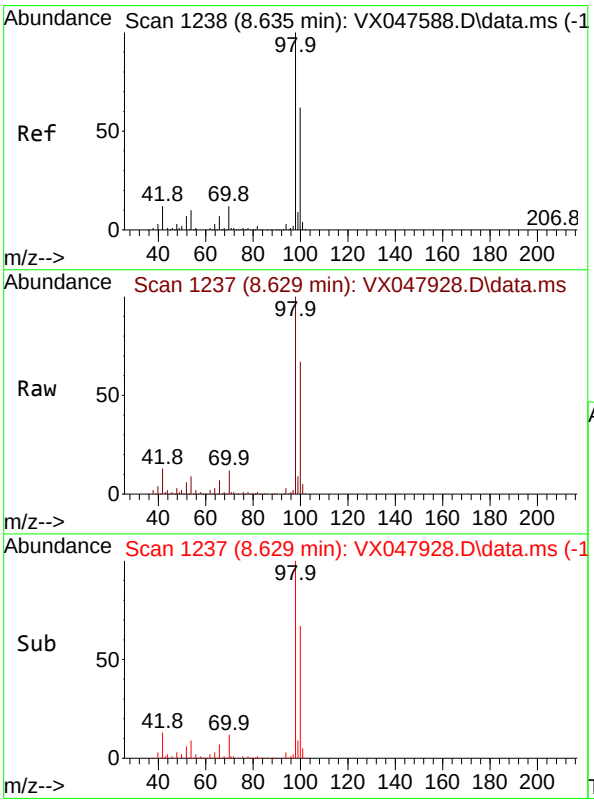
#49
1,4-Dioxane
Concen: 419.406 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 88 Resp: 9318

Ion	Ratio	Lower	Upper
88	100		
43	40.1	30.2	45.2
58	71.4	59.5	89.3

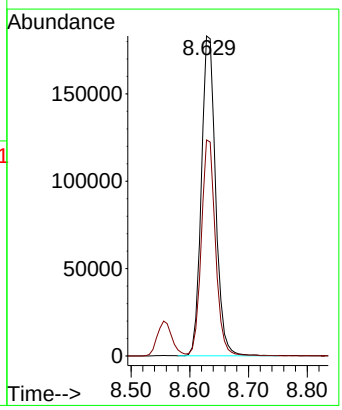


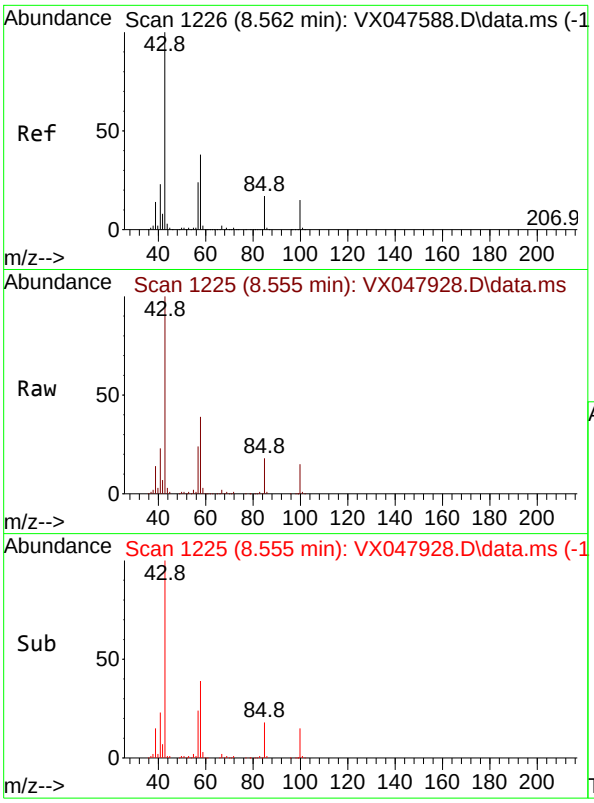


#50
Toluene-d8
Concen: 51.911 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 98 Resp: 308951

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



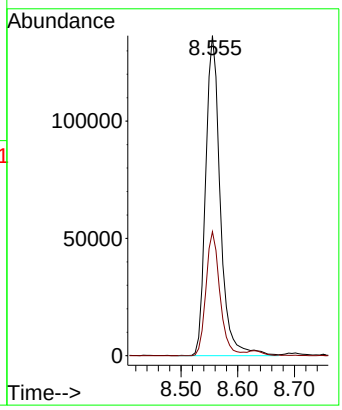


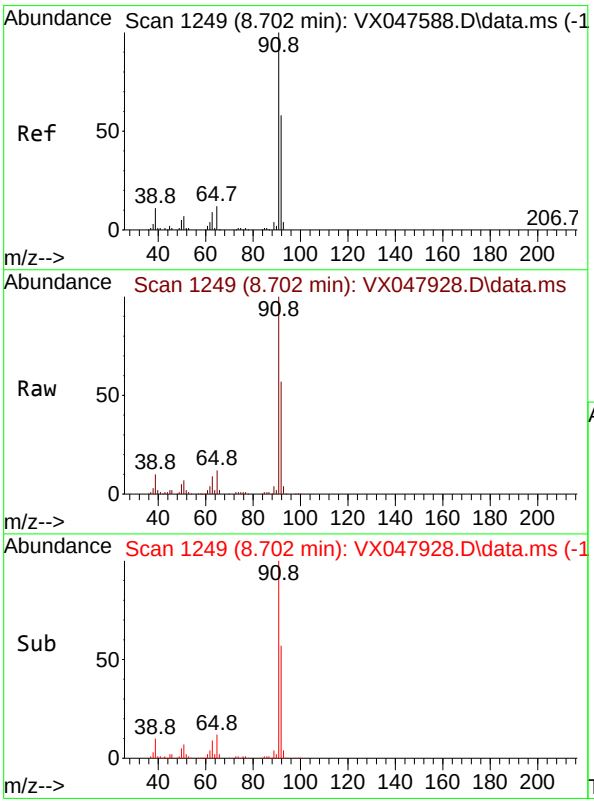
#51
4-Methyl-2-Pentanone
Concen: 99.924 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 43 Resp: 244517

Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.3	45.5

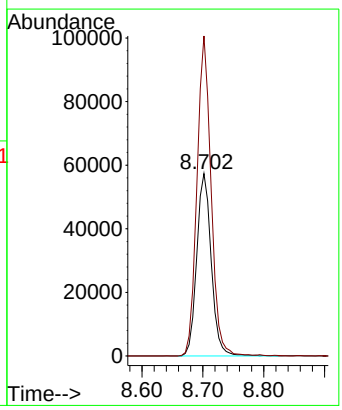


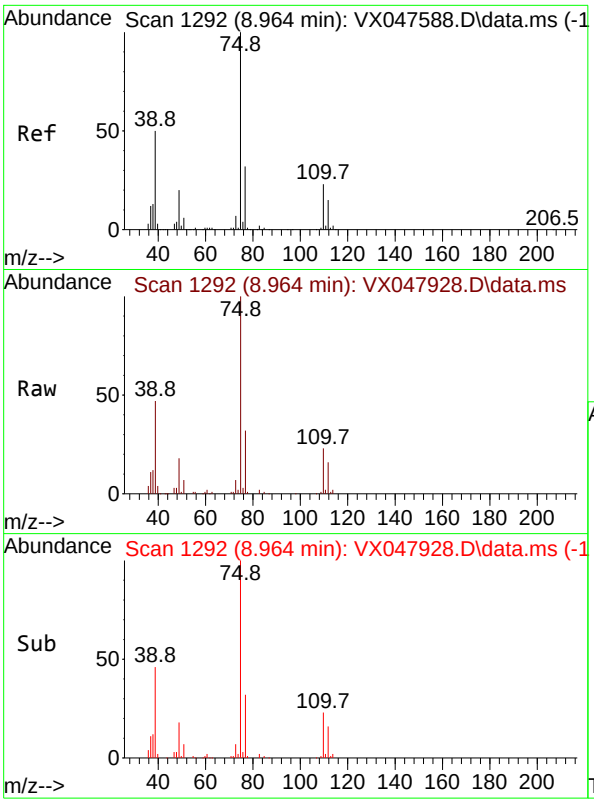


#52
Toluene
Concen: 20.144 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 92 Resp: 94738

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.1	205.7



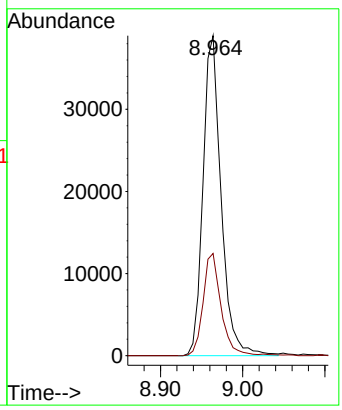


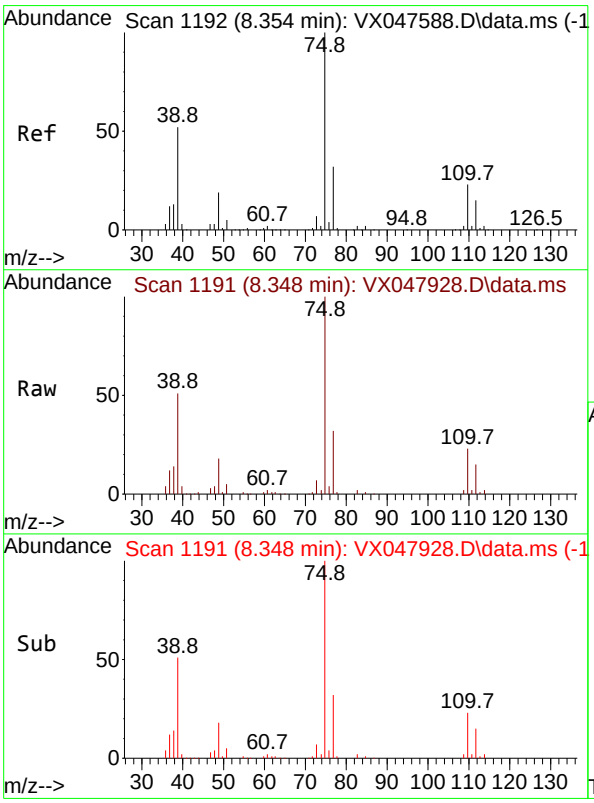
#53
t-1,3-Dichloropropene
Concen: 19.892 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 75 Resp: 59556

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

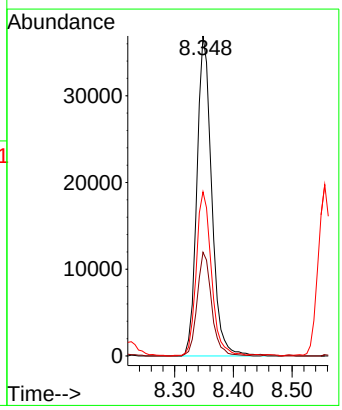


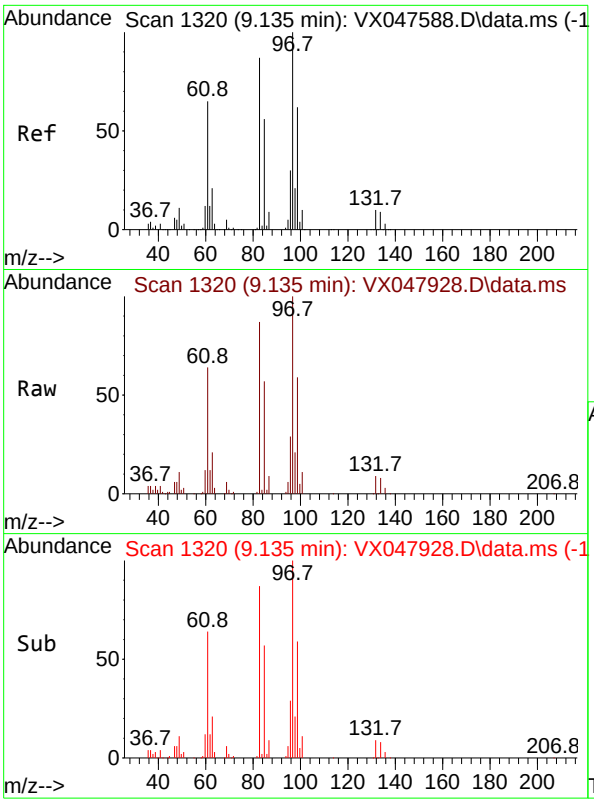


#54
cis-1,3-Dichloropropene
Concen: 20.173 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 64556

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	51.1	41.4	62.2



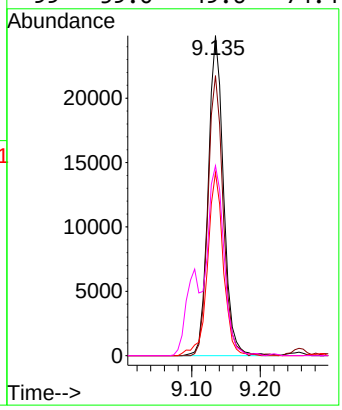


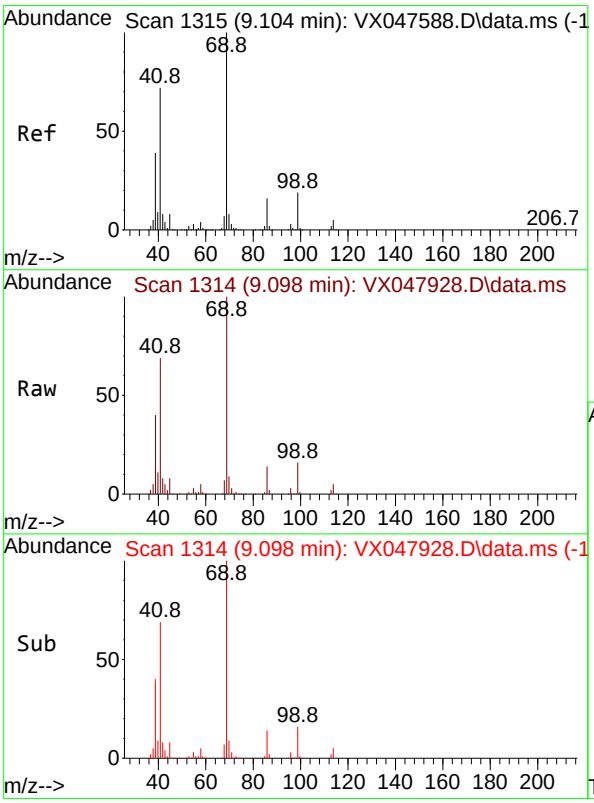
#55
1,1,2-Trichloroethane
Concen: 21.372 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 97 Resp: 38757

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.6	104.4
85	57.2	45.0	67.6
99	59.0	49.6	74.4

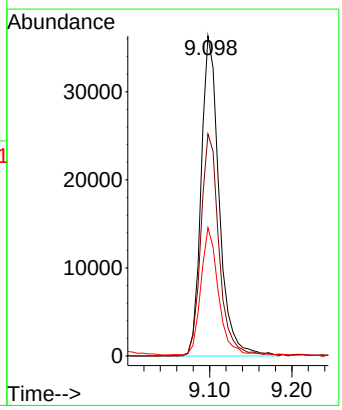


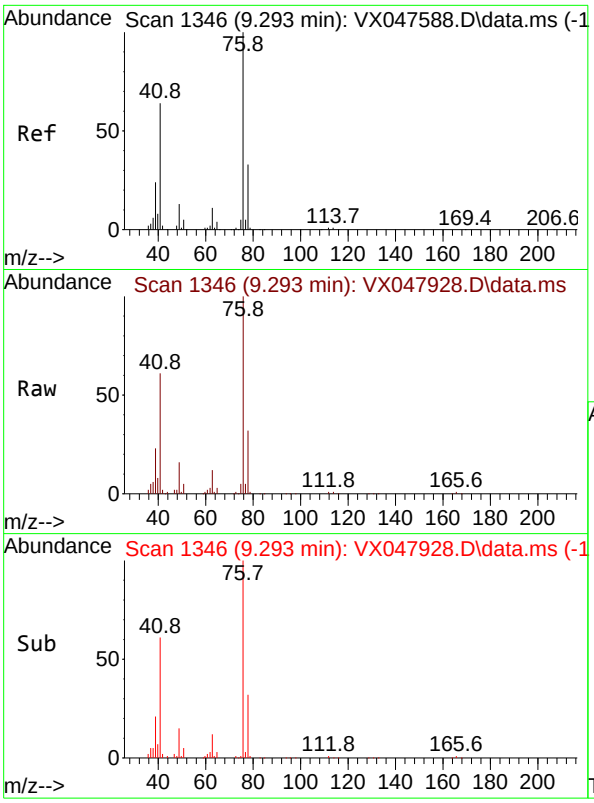


#56
Ethyl methacrylate
Concen: 19.383 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 69 Resp: 55203

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.8	31.5	47.3



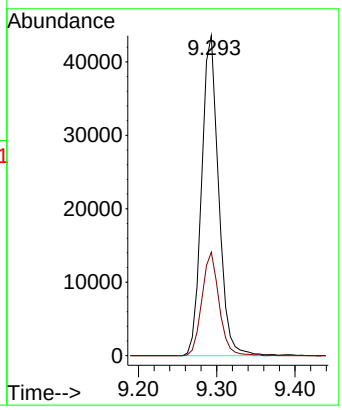


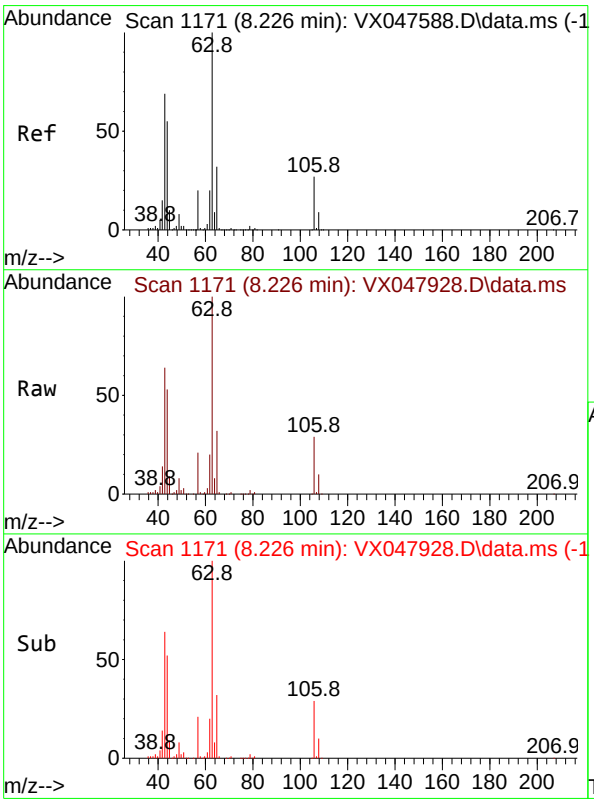
#57
1,3-Dichloropropane
Concen: 21.069 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 76 Resp: 65633

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

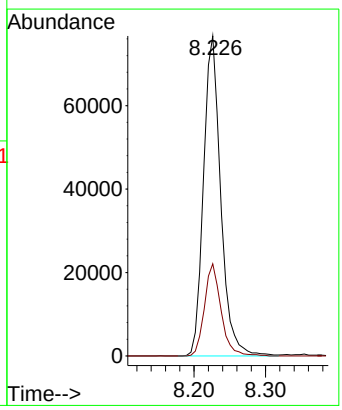


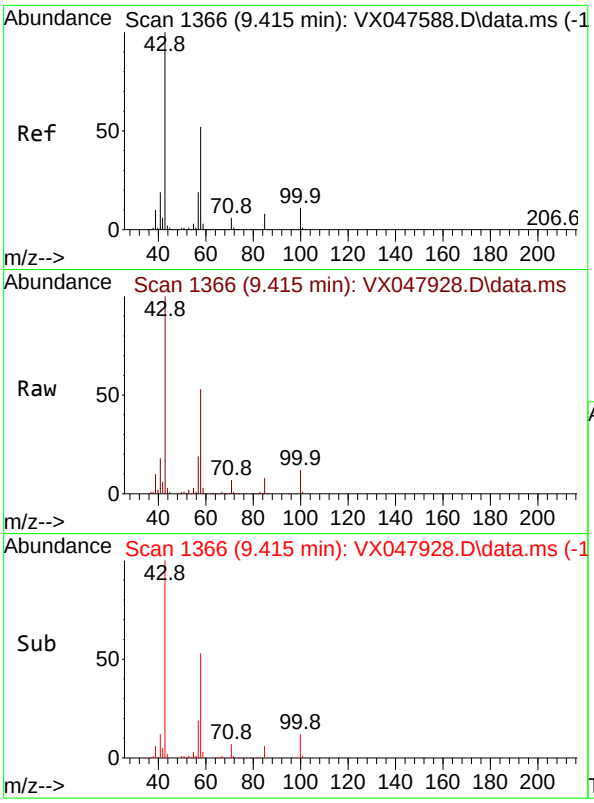


#58
2-Chloroethyl Vinyl ether
Concen: 101.513 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 63 Resp: 128537

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



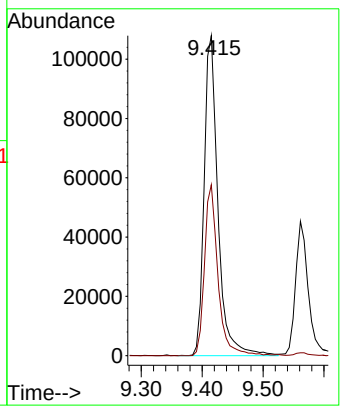


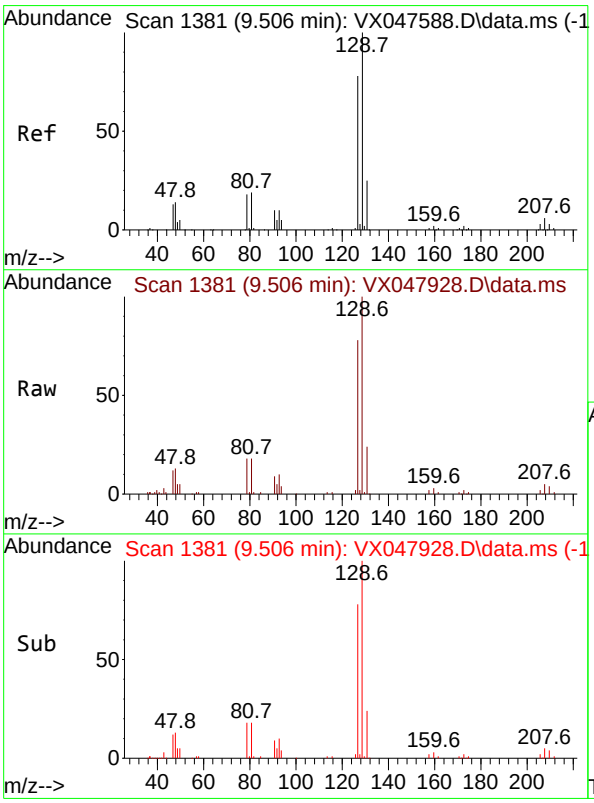
#59
2-Hexanone
Concen: 96.790 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 43 Resp: 170104

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

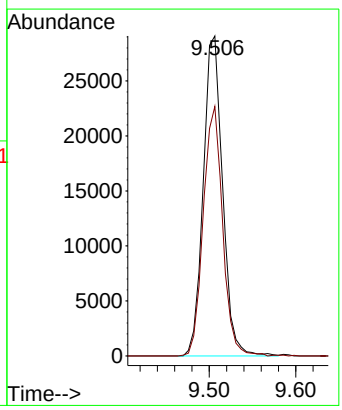


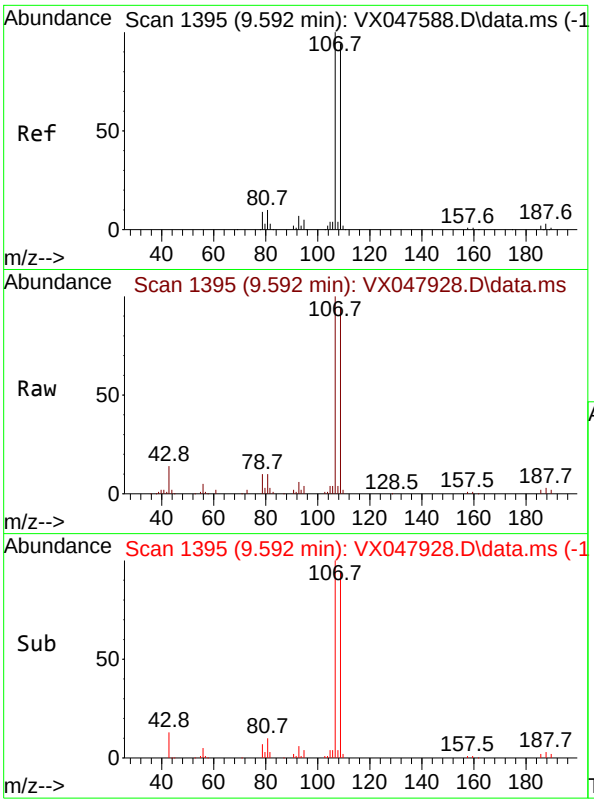


#60
Dibromochloromethane
Concen: 21.613 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:129 Resp: 45160

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2



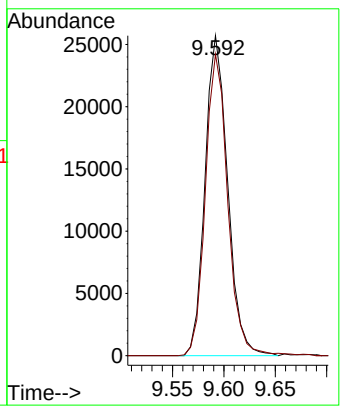


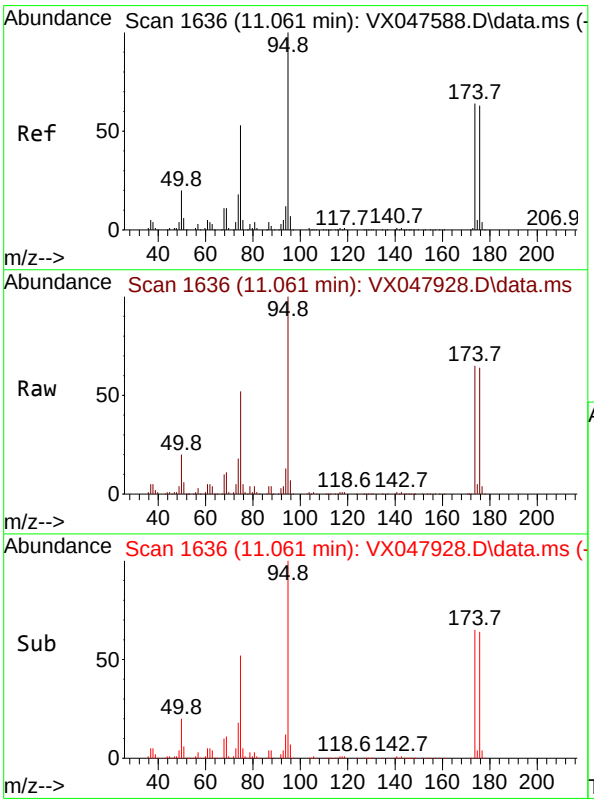
#61
1,2-Dibromoethane
Concen: 21.326 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:107 Resp: 39392

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

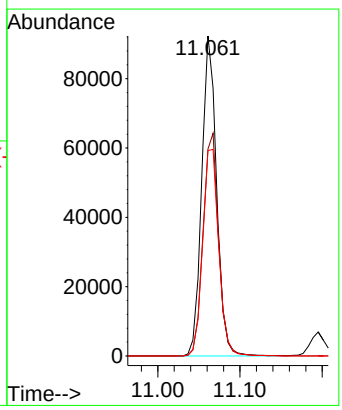


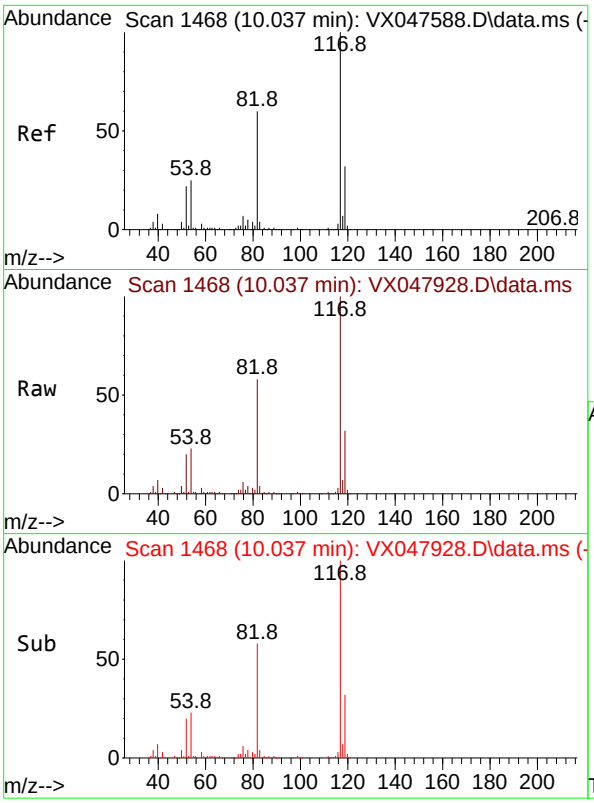


#62
4-Bromofluorobenzene
Concen: 51.331 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 95 Resp: 115941

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	69.8	0.0	138.4



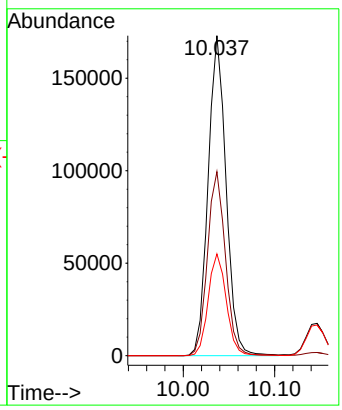


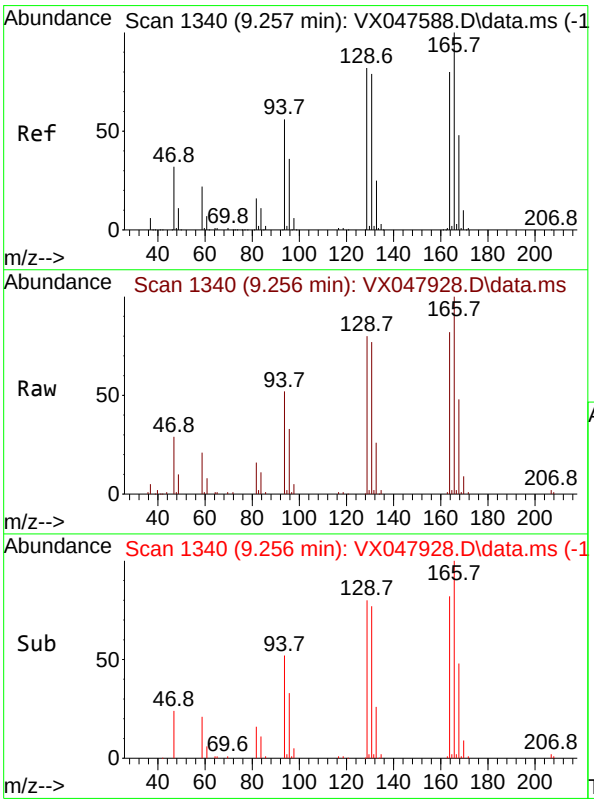
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:117 Resp: 235781

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.8	25.2	37.8

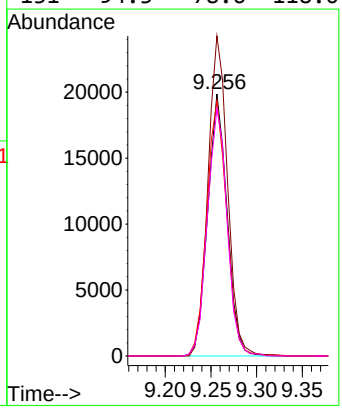


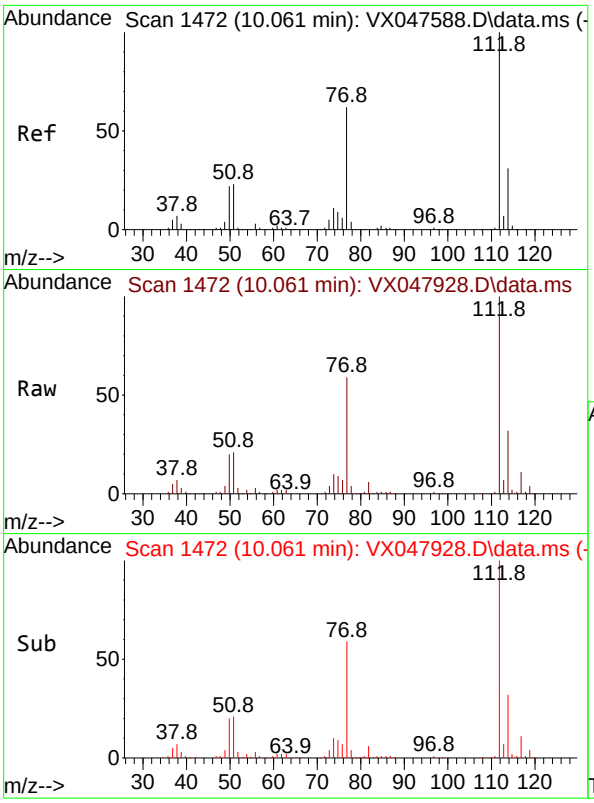


#64
Tetrachloroethene
Concen: 19.018 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:164 Resp: 29231

Ion	Ratio	Lower	Upper
164	100		
166	122.2	100.2	150.2
129	97.3	81.8	122.6
131	94.3	78.6	118.0



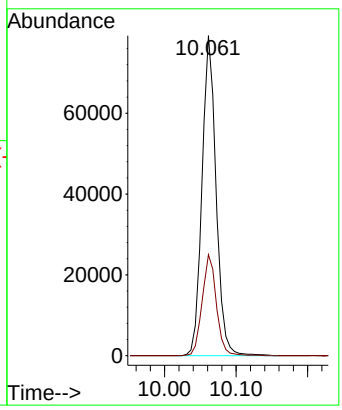


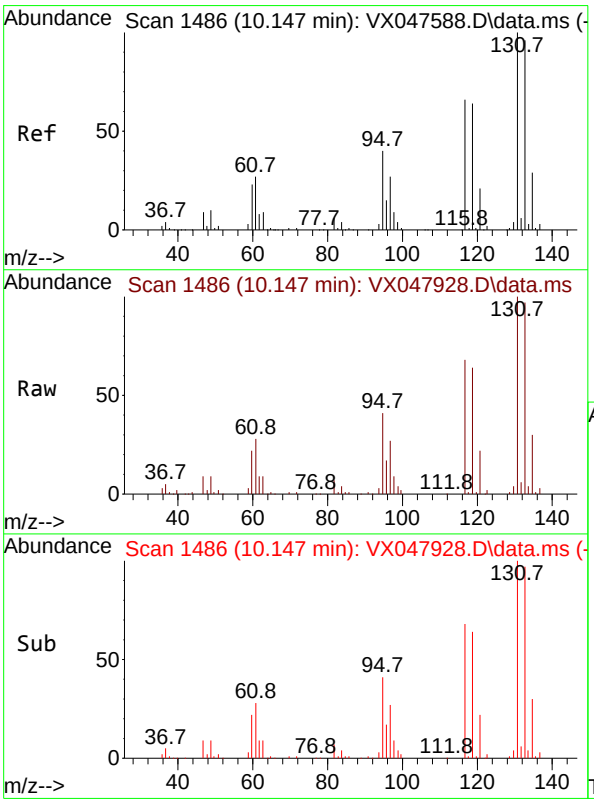
#65
Chlorobenzene
Concen: 20.194 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:112 Resp: 108167

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

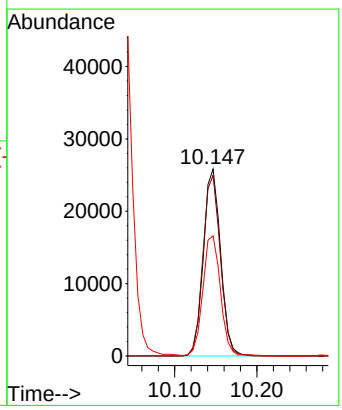


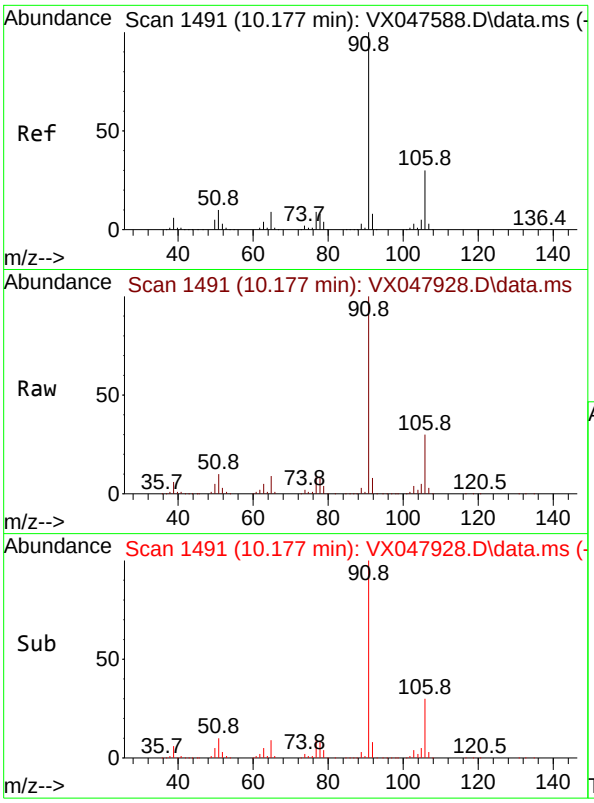


#66
1,1,1,2-Tetrachloroethane
Concen: 20.357 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:131 Resp: 37627

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.3	142.0
119	65.7	32.0	96.0



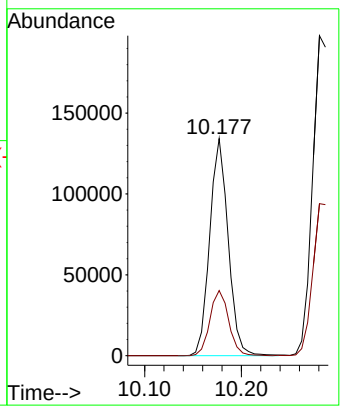


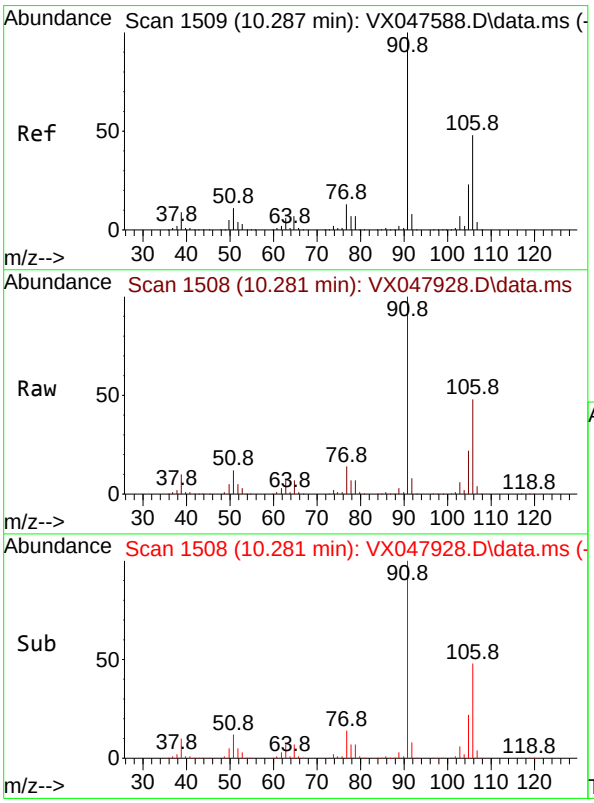
#67
Ethyl Benzene
Concen: 19.294 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 91 Resp: 178322

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

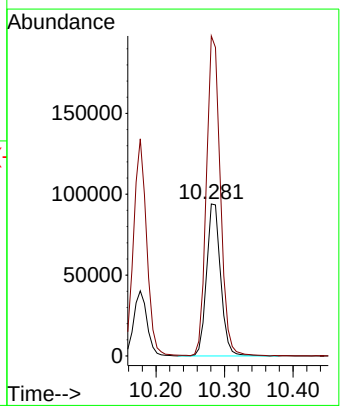


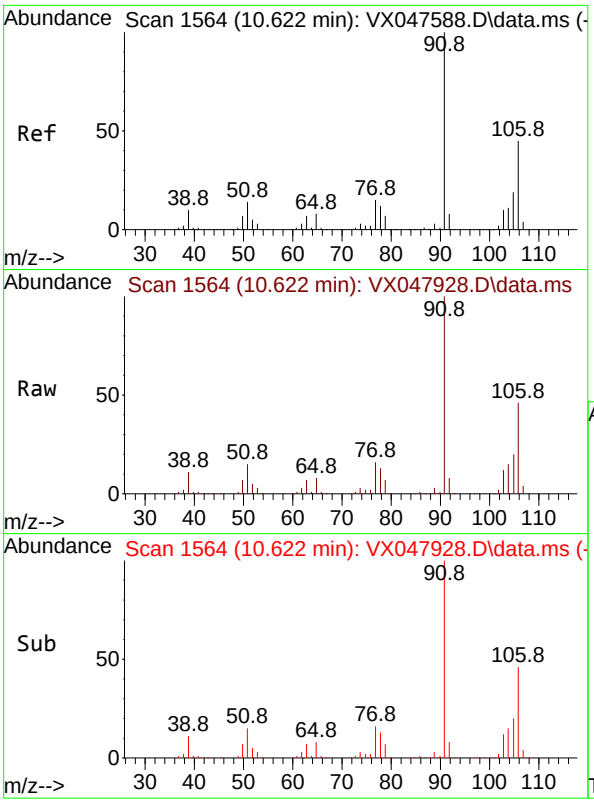


#68
m/p-Xylenes
Concen: 39.185 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:106 Resp: 134798

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



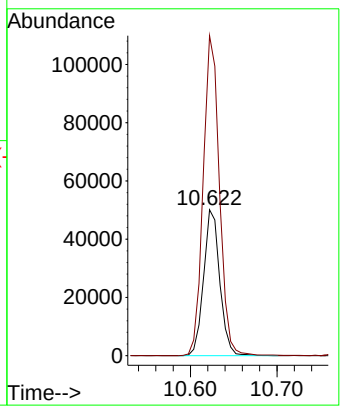


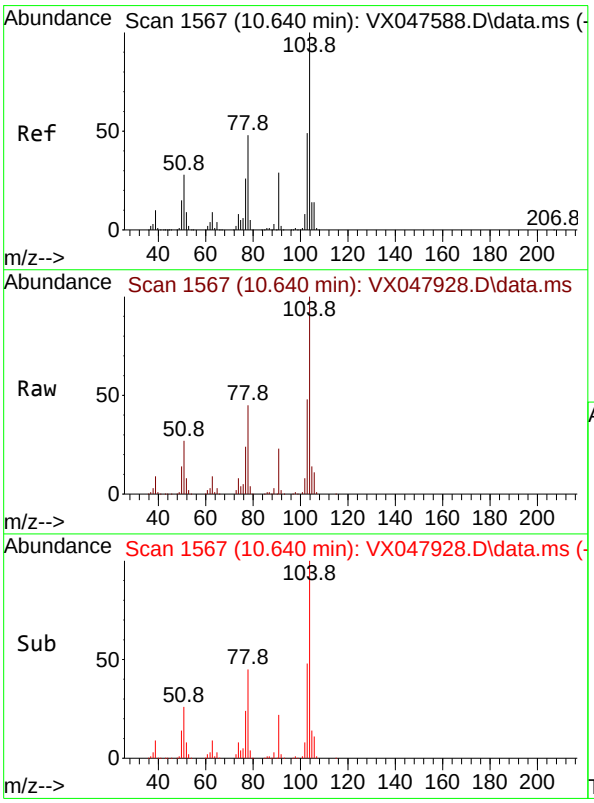
#69
o-Xylene
Concen: 19.540 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:106 Resp: 65016

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

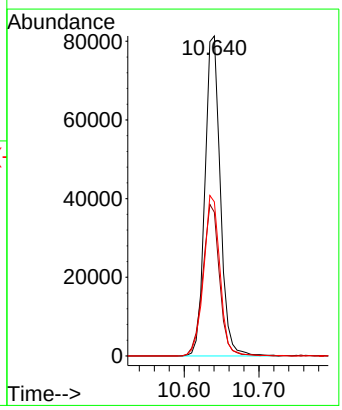


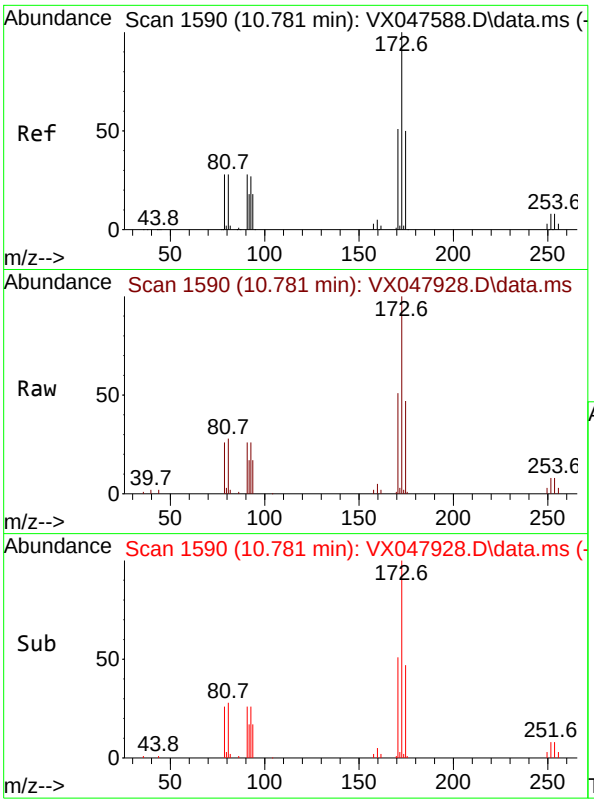


#70
Styrene
Concen: 19.917 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:104 Resp: 116119

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.1	64.7
103	53.3	43.1	64.7



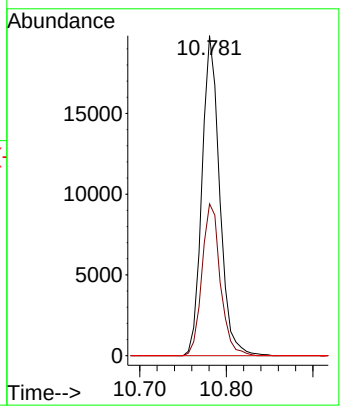


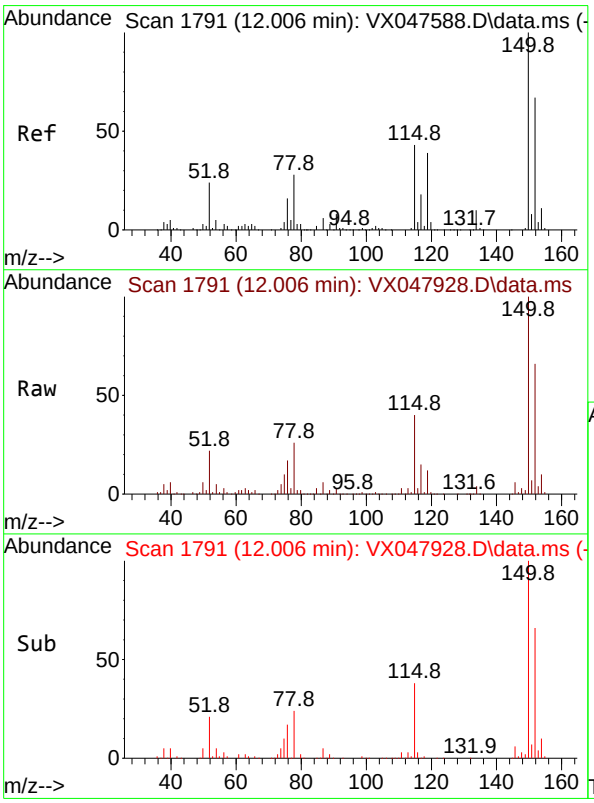
#71
Bromoform
Concen: 20.347 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:173 Resp: 28082

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.6
254	0.0	0.1	0.1#

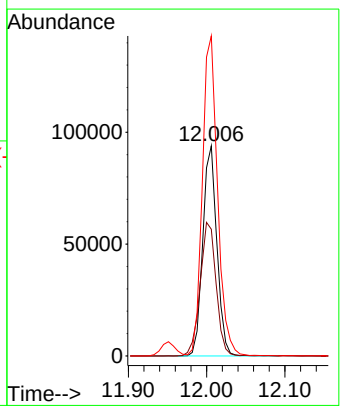


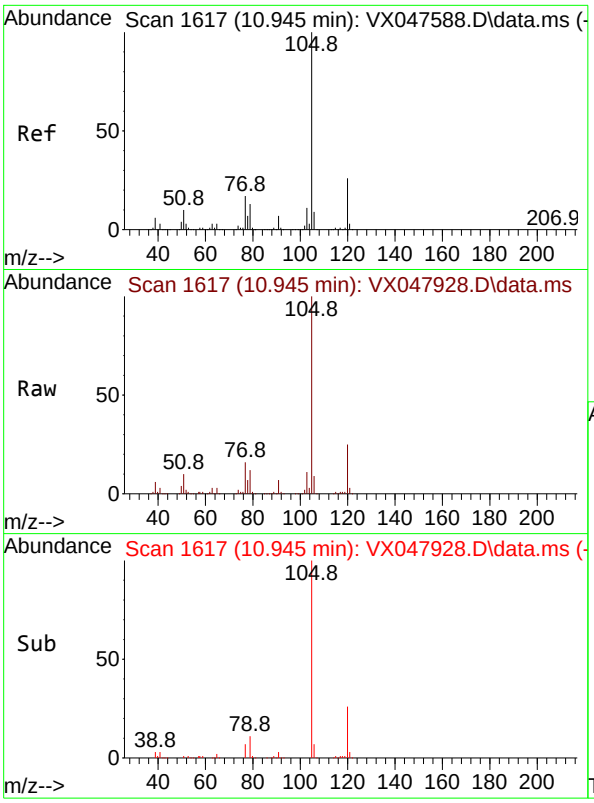


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:152 Resp: 117338

Ion	Ratio	Lower	Upper
152	100		
115	71.7	44.9	134.5
150	163.6	0.0	352.0



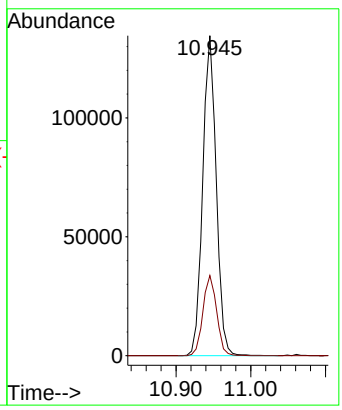


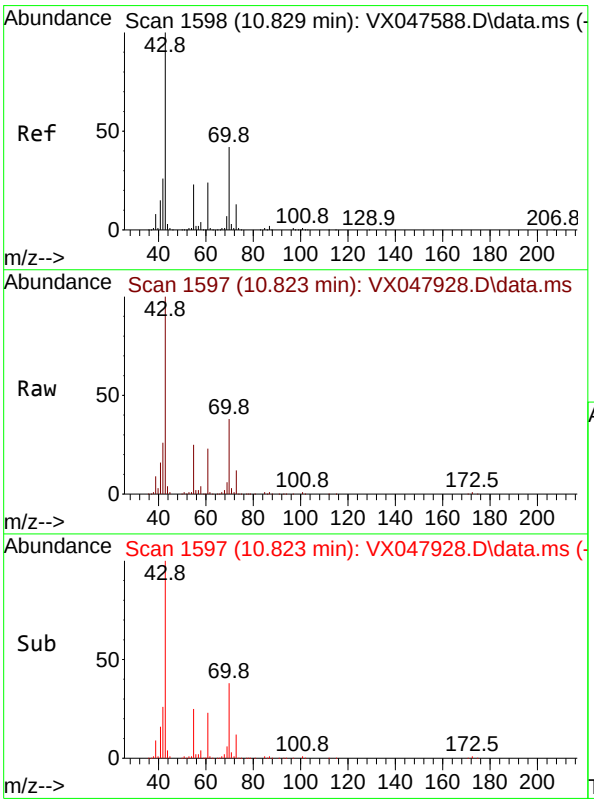
#73
Isopropylbenzene
Concen: 18.892 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:105 Resp: 168530

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

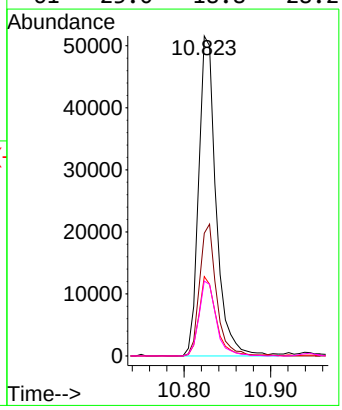


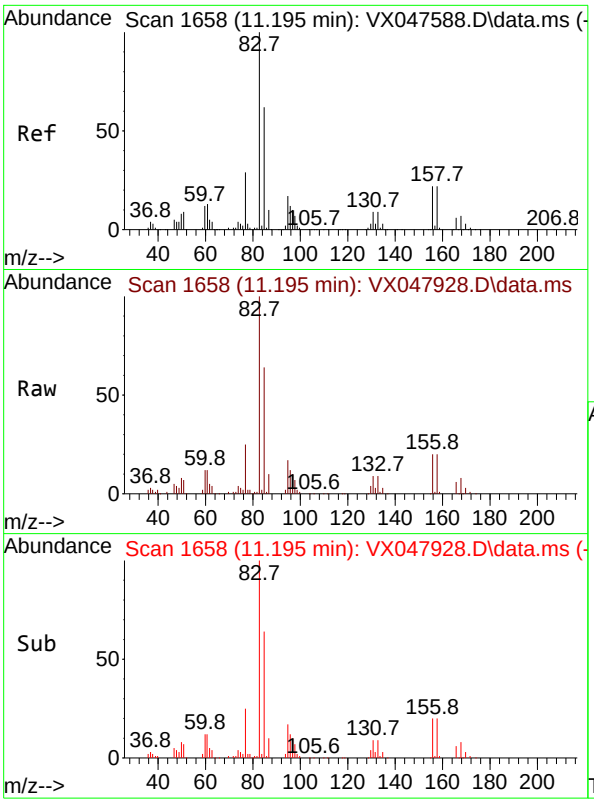


#74
N-amyl acetate
Concen: 17.735 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 43 Resp: 72147

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.0	48.0
55	24.3	18.9	28.3
61	23.0	18.8	28.2



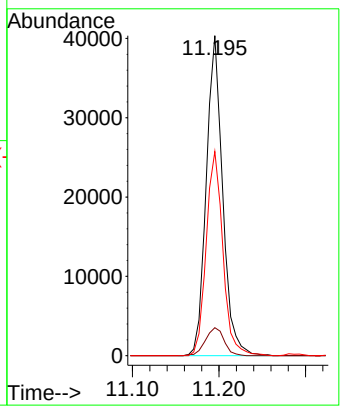


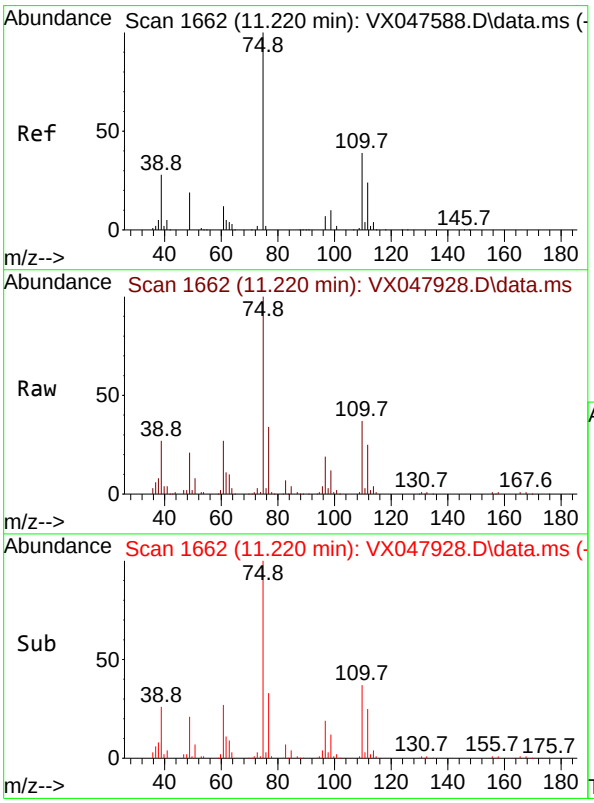
#75
1,1,2,2-Tetrachloroethane
Concen: 19.670 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 83 Resp: 53088

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.9	31.6	95.0

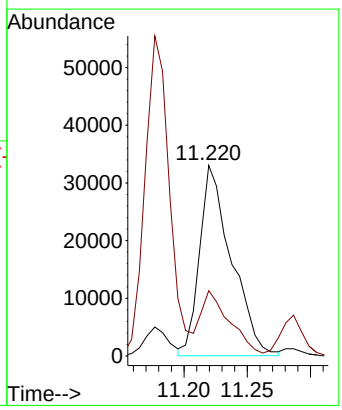


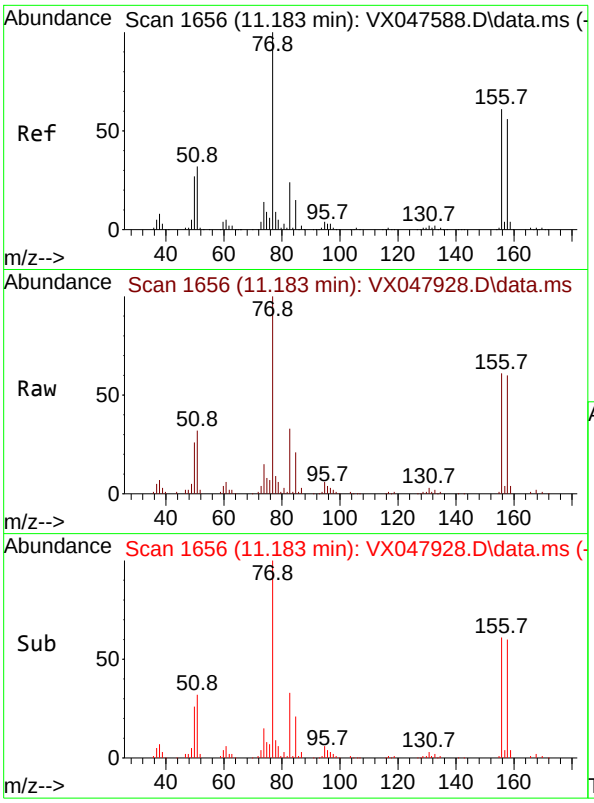


#76
1,2,3-Trichloropropane
Concen: 24.346 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 57839

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



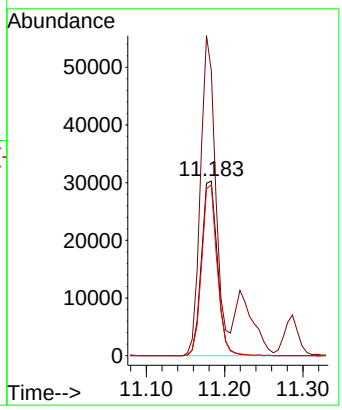


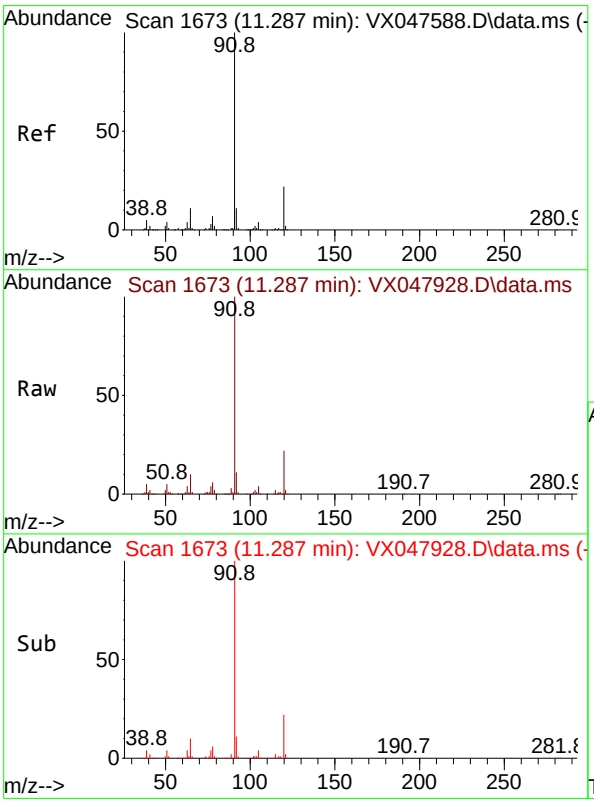
#77
Bromobenzene
Concen: 19.502 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:156 Resp: 42848

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	95.1	47.9	143.6

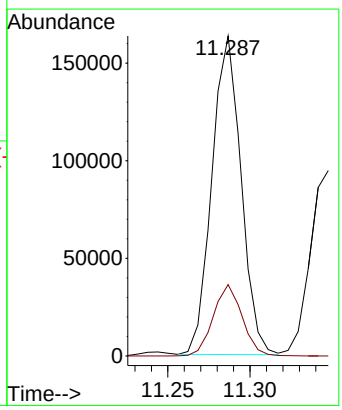


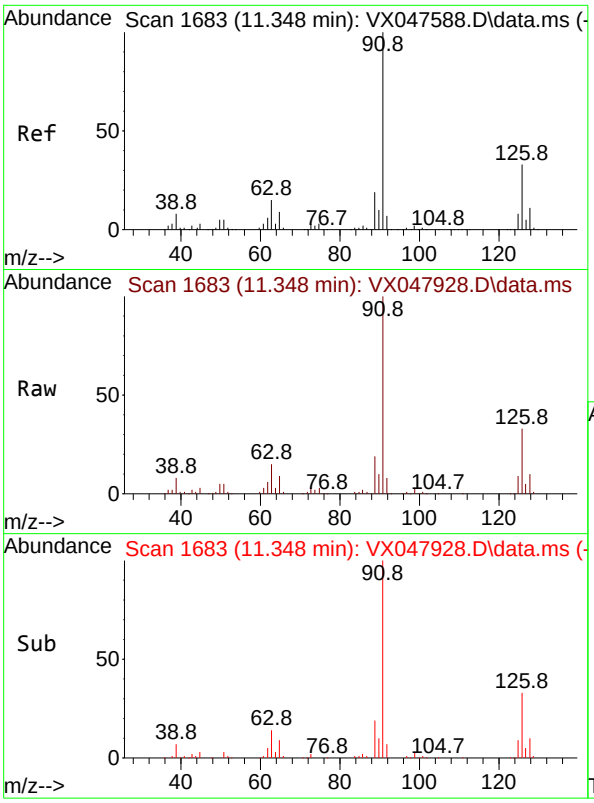


#78
n-propylbenzene
Concen: 19.073 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 201137

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



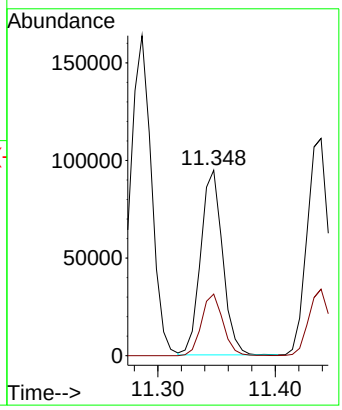


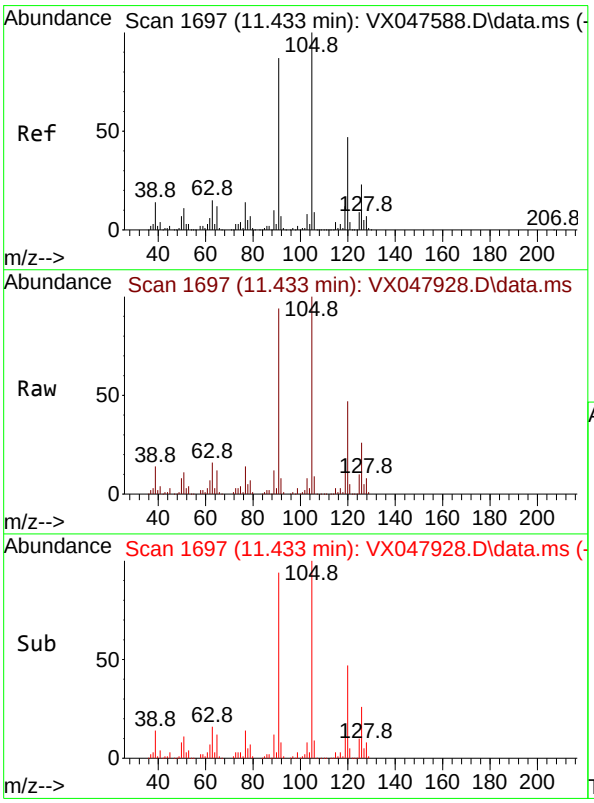
#79
2-Chlorotoluene
Concen: 18.980 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 91 Resp: 122591

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

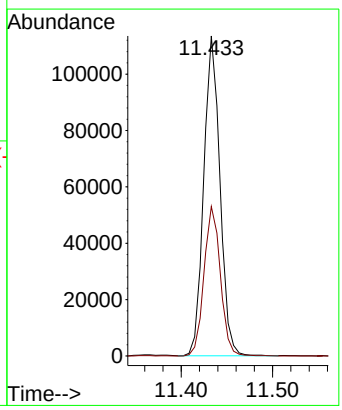


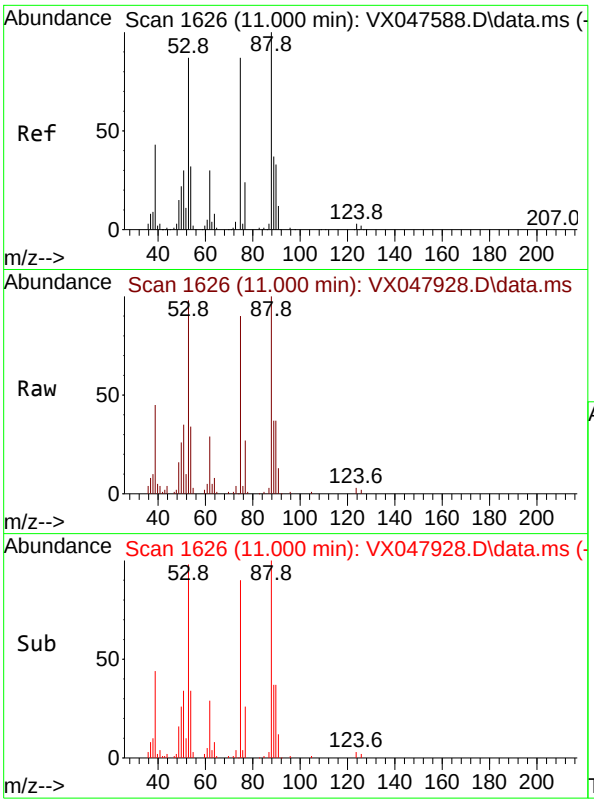


#80
1,3,5-Trimethylbenzene
Concen: 19.006 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:105 Resp: 139295

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	70.8



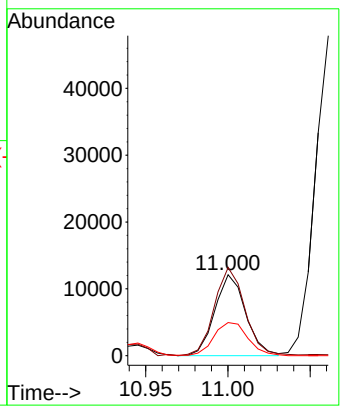


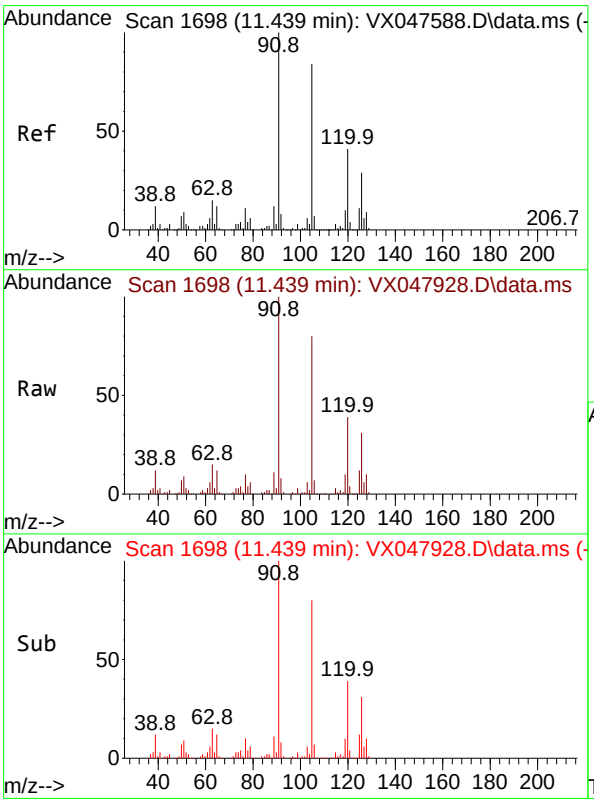
#81
trans-1,4-Dichloro-2-butene
Concen: 16.952 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 75 Resp: 15793

Ion	Ratio	Lower	Upper
75	100		
53	109.2	83.4	125.2
89	45.1	36.3	54.5

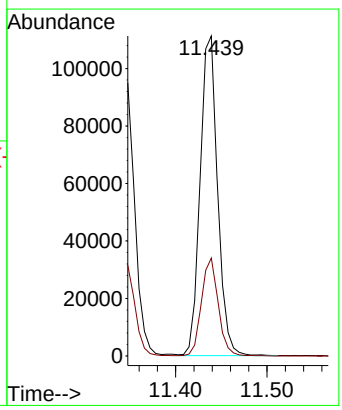


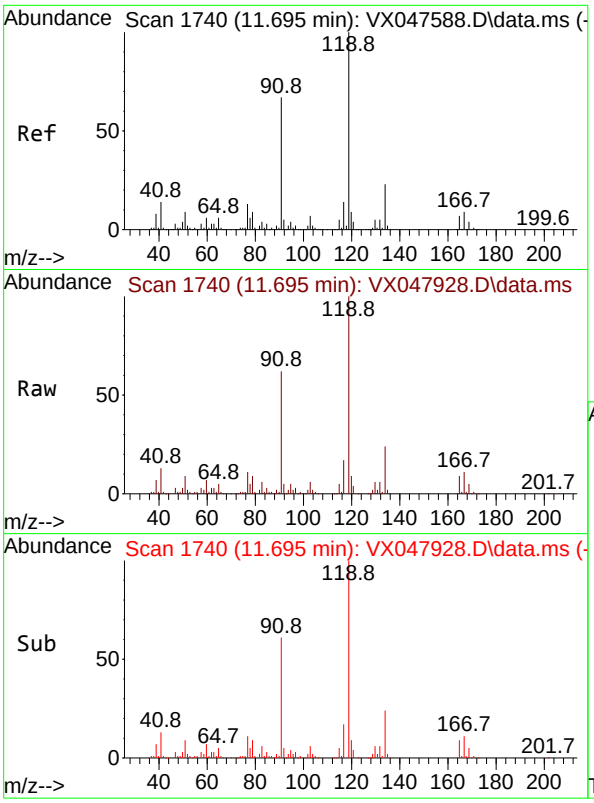


#82
4-Chlorotoluene
Concen: 19.293 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 91 Resp: 147172

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6



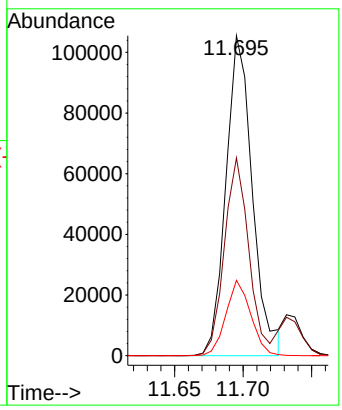


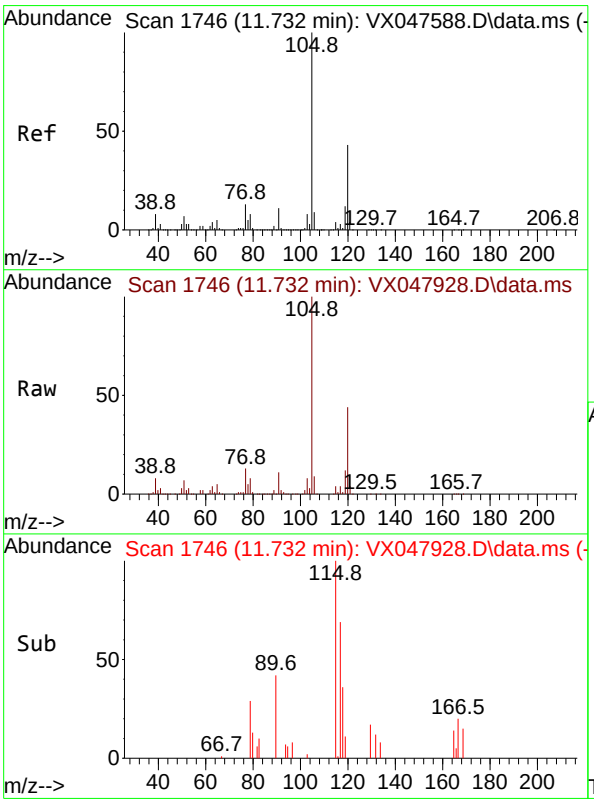
#83
tert-Butylbenzene
Concen: 18.873 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:119 Resp: 141601

Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.2	11.0	33.0

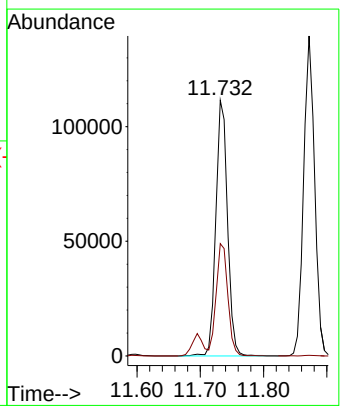


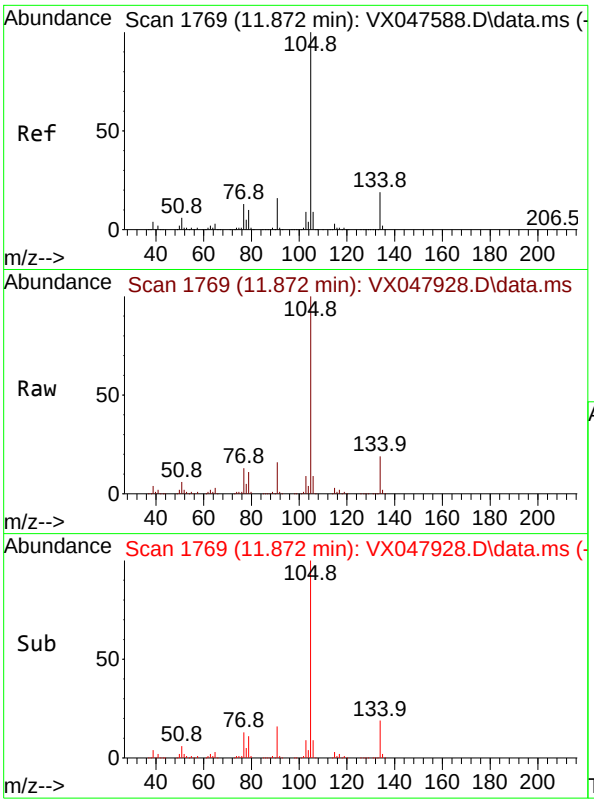


#84
1,2,4-Trimethylbenzene
Concen: 19.169 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:105 Resp: 142439

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



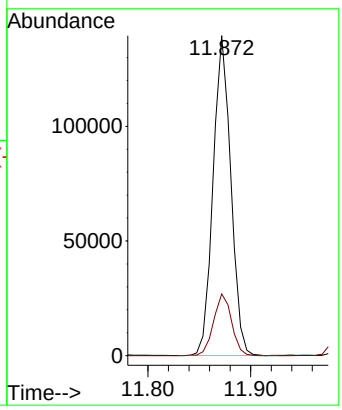


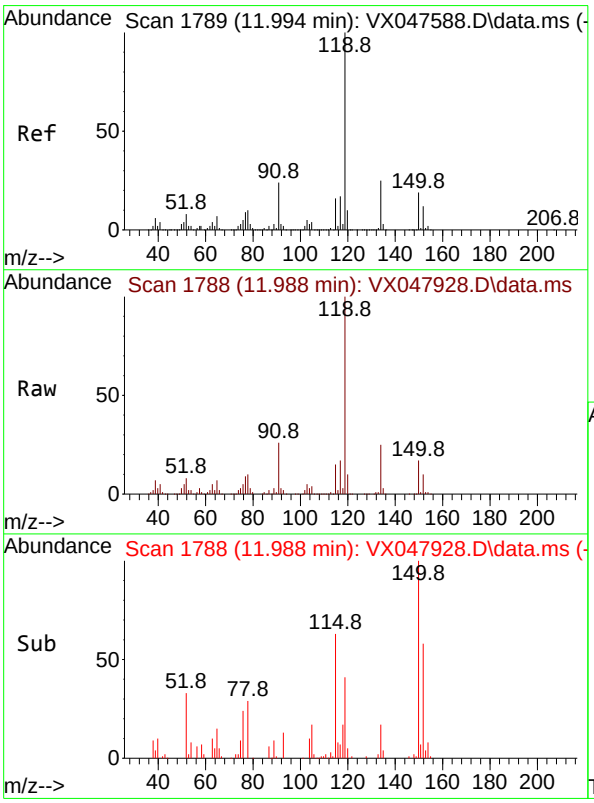
#85
sec-Butylbenzene
Concen: 18.741 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:105 Resp: 167012

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

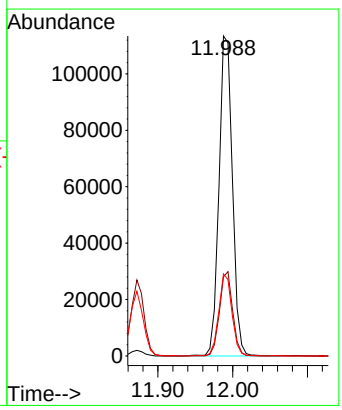


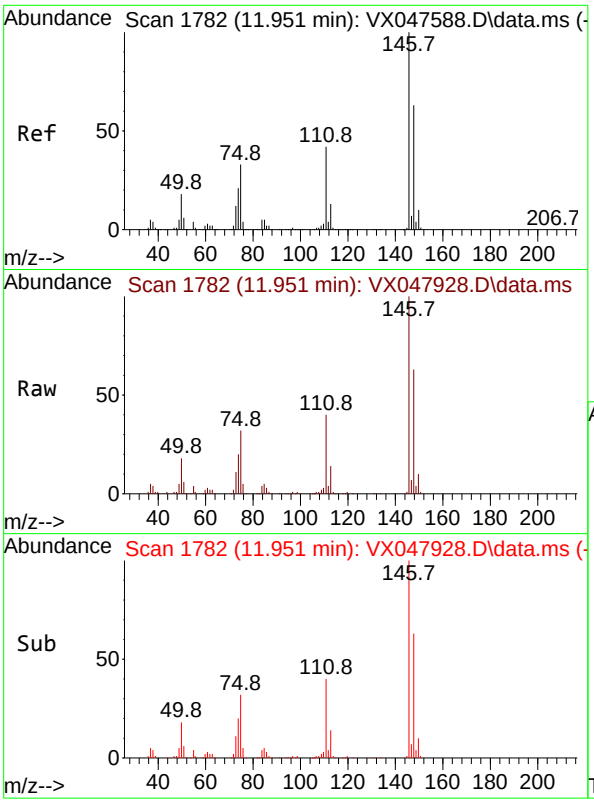


#86
p-Isopropyltoluene
Concen: 18.845 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:119 Resp: 142178

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.2	12.6	37.6



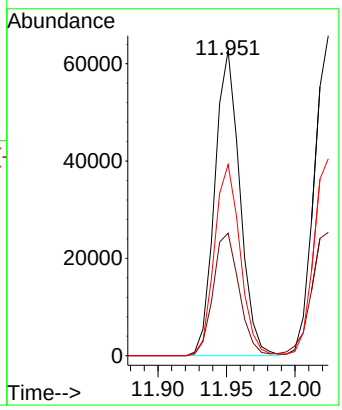


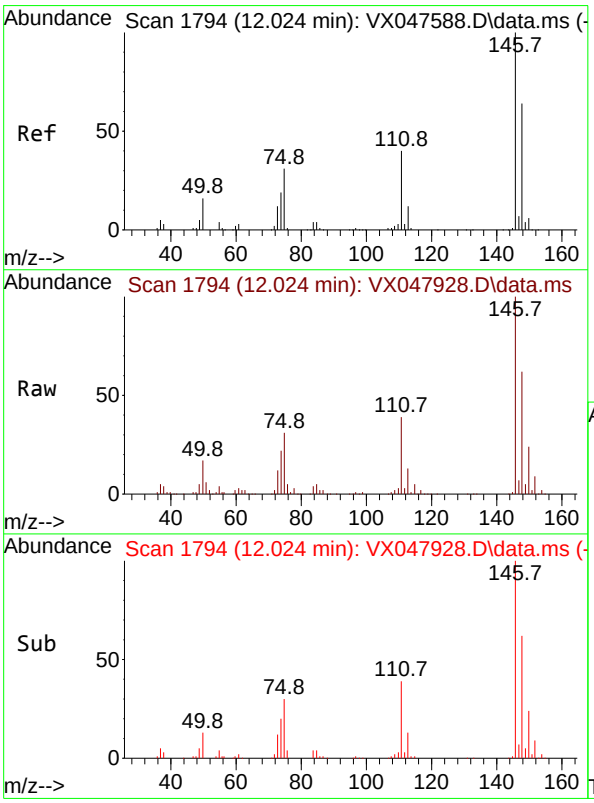
#87
1,3-Dichlorobenzene
Concen: 19.544 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:146 Resp: 79760

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	64.3	32.0	96.0

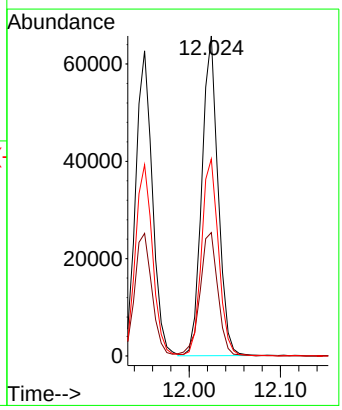


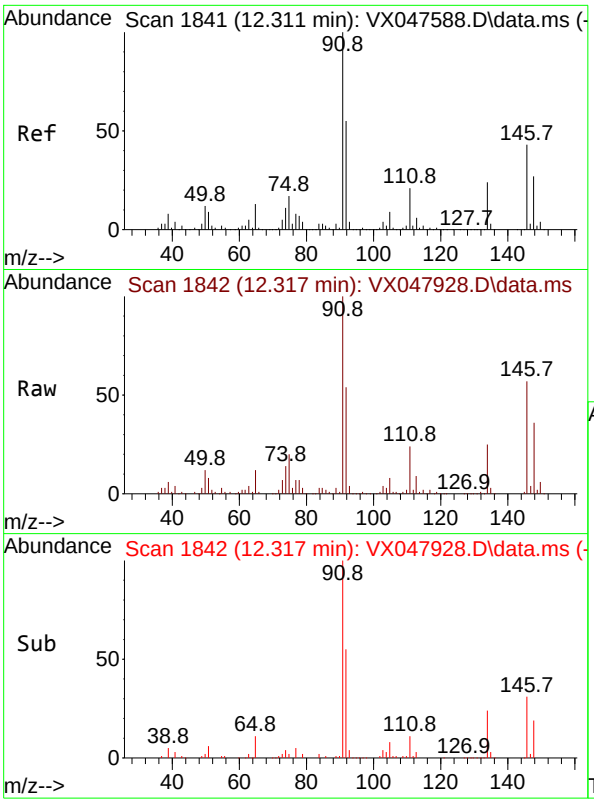


#88
1,4-Dichlorobenzene
Concen: 19.381 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:146 Resp: 81177

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.4
148	64.6	31.7	95.1



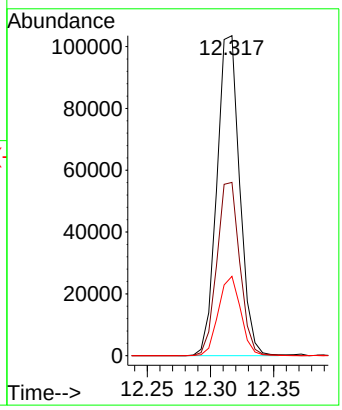


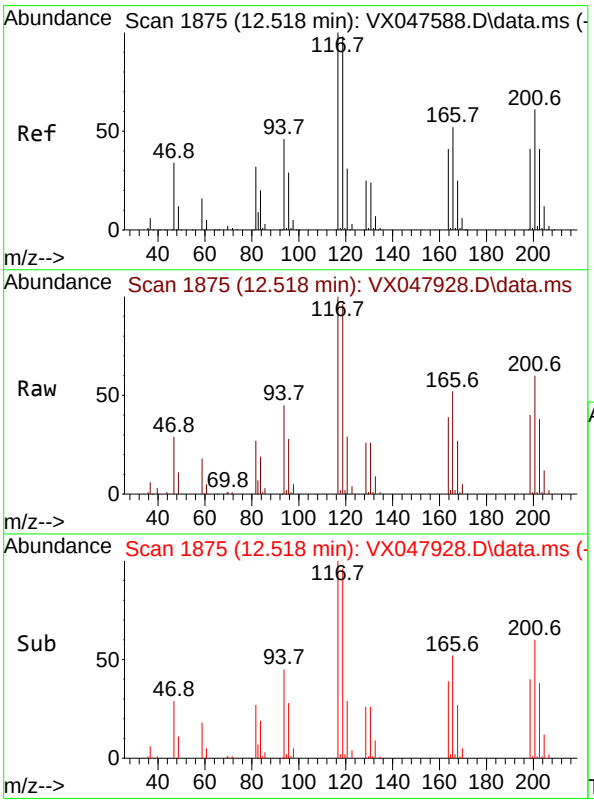
#89
n-Butylbenzene
Concen: 18.568 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion: 91 Resp: 129623

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	24.3	12.6	37.8

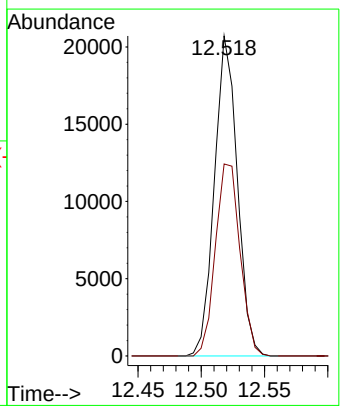


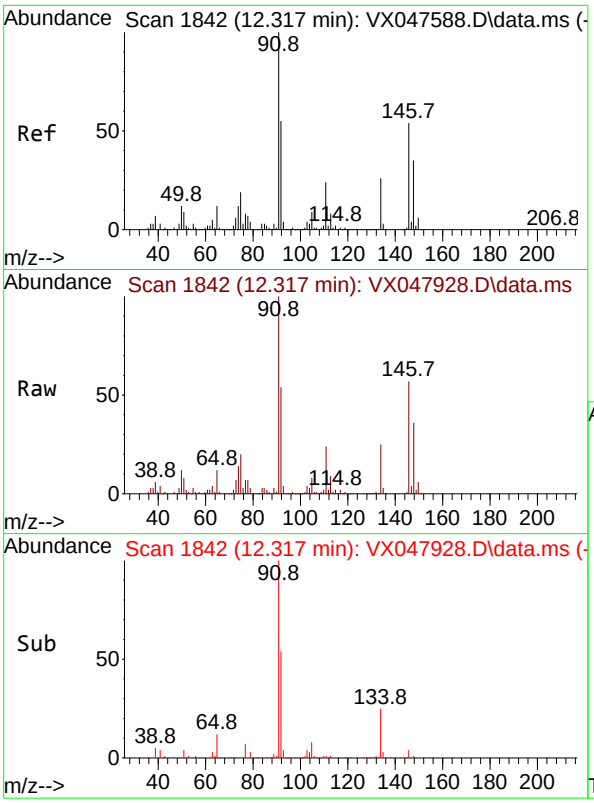


#90
Hexachloroethane
Concen: 19.667 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:117 Resp: 26051

Ion	Ratio	Lower	Upper
117	100		
201	64.6	34.2	102.5



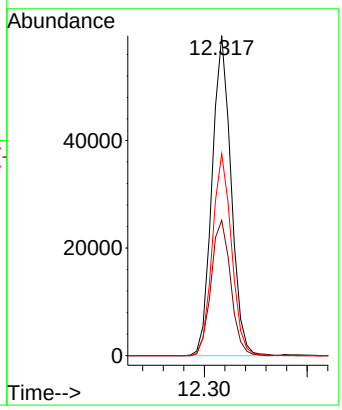


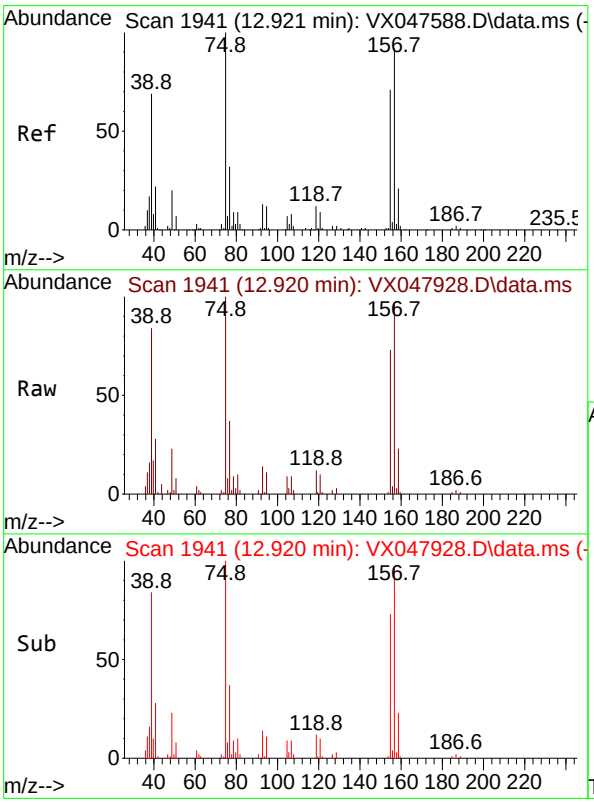
#91
1,2-Dichlorobenzene
Concen: 19.626 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:146 Resp: 76305

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.5	31.8	95.4

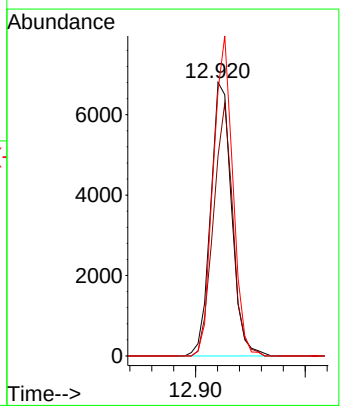


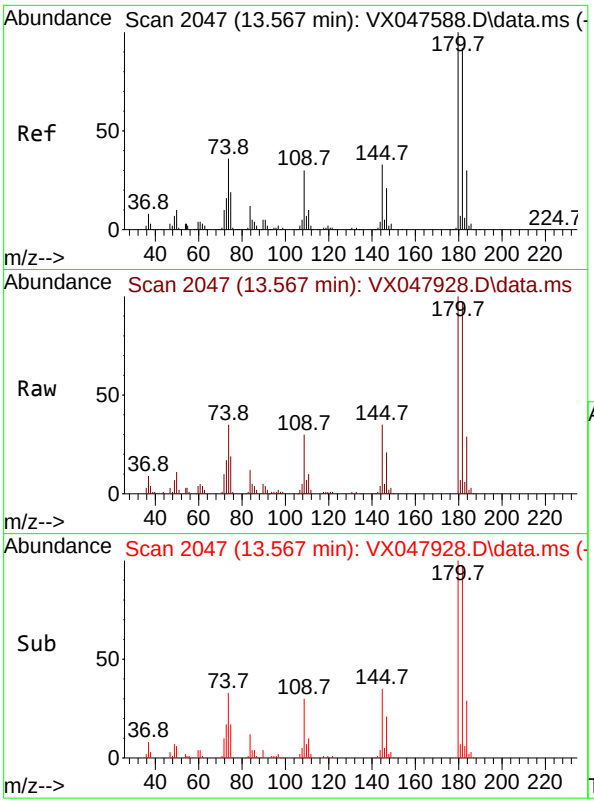


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.618 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion: 75 Resp: 9081

Ion	Ratio	Lower	Upper
75	100		
155	85.7	37.7	113.1
157	109.1	49.8	149.4



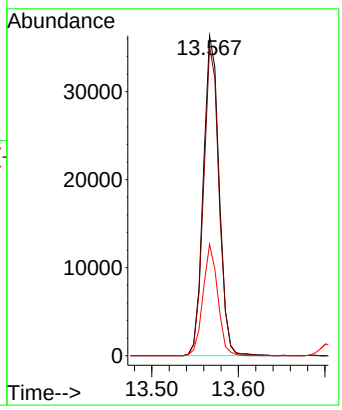


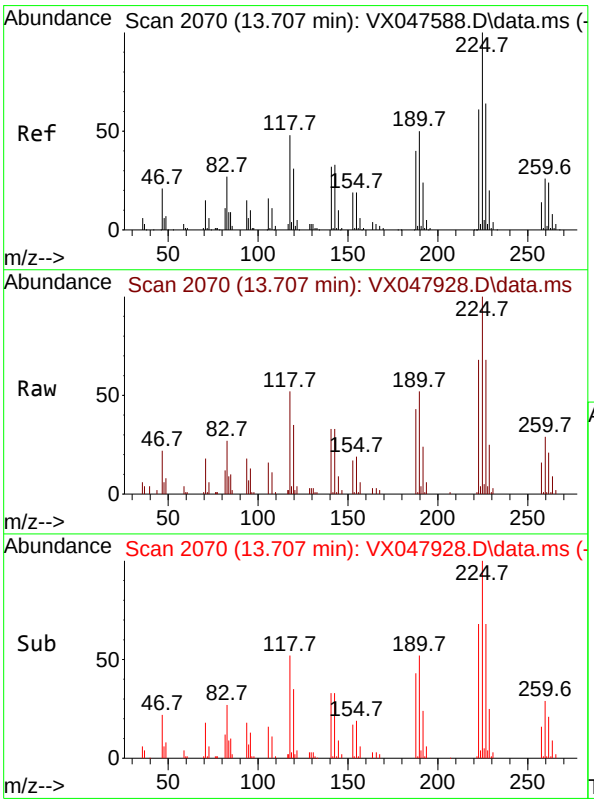
#93
1,2,4-Trichlorobenzene
Concen: 18.146 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:180 Resp: 45852

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.6	139.8
145	32.6	16.4	49.1

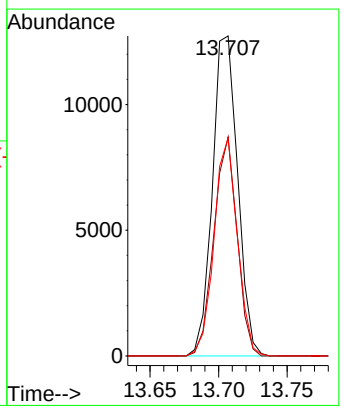


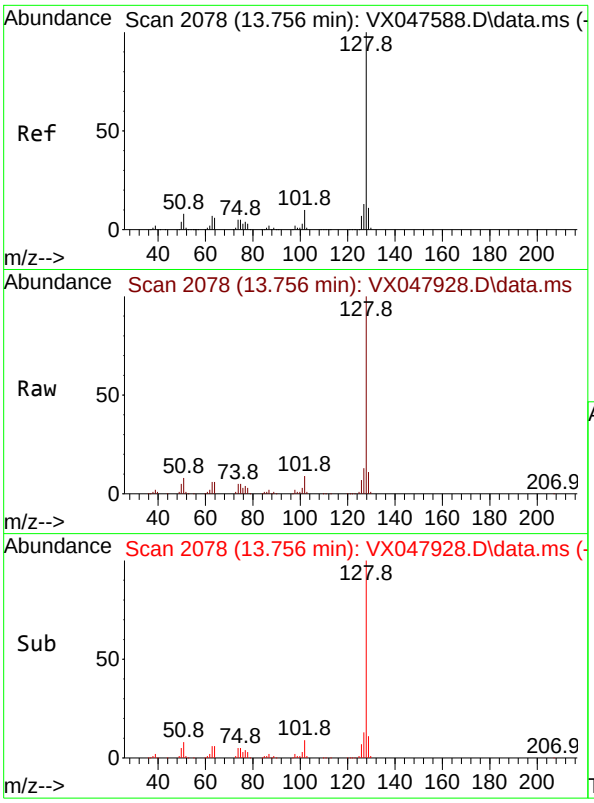


#94
Hexachlorobutadiene
Concen: 18.956 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:225 Resp: 16270

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	62.9	32.0	96.0



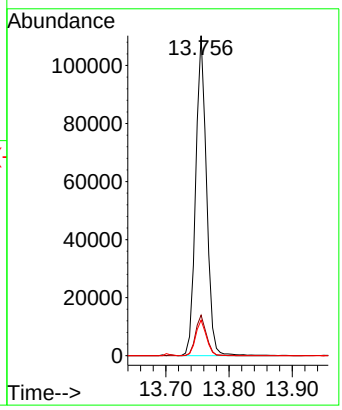


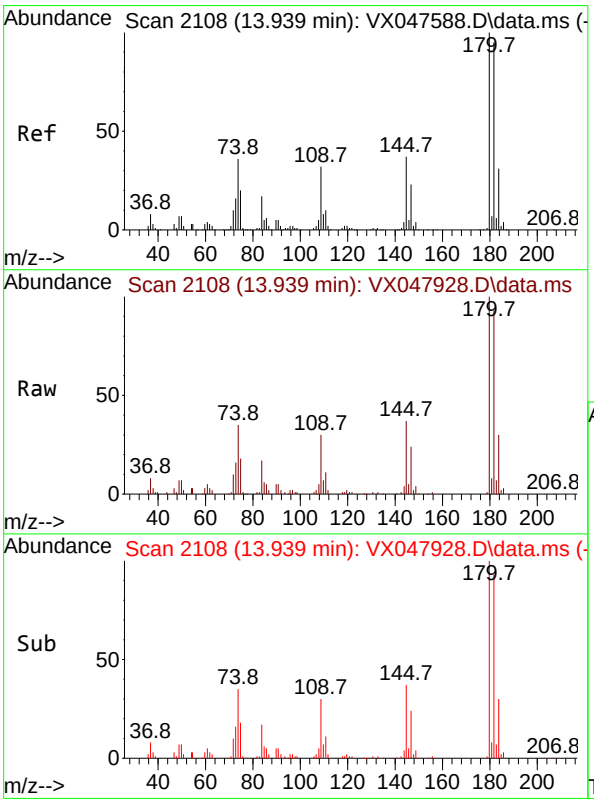
#95
Naphthalene
Concen: 17.100 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS01

Tgt Ion:128 Resp: 131572

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2

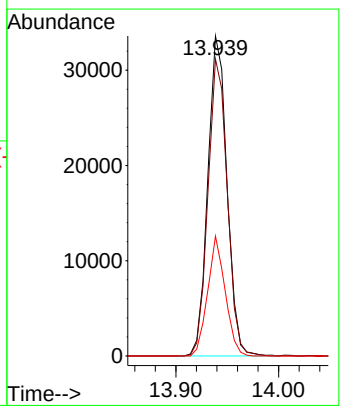




#96
1,2,3-Trichlorobenzene
Concen: 18.486 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047928.D
Acq: 01 Oct 2025 10:59

Tgt Ion:180 Resp: 43451

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.8
145	34.4	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	249155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	226618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112865	51.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.080%			
35) Dibromofluoromethane	5.373	113	87090	52.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	8.635	98	291109	50.348	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.700%			
62) 4-Bromofluorobenzene	11.061	95	110409	50.316	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	72636	50.986	ug/l	99
3) Chloromethane	1.301	50	88670	47.357	ug/l	99
4) Vinyl Chloride	1.380	62	92425	50.427	ug/l	98
5) Bromomethane	1.611	94	56642	48.736	ug/l	98
6) Chloroethane	1.697	64	62475	51.000	ug/l	98
7) Trichlorofluoromethane	1.892	101	137522	50.534	ug/l	99
8) Diethyl Ether	2.136	74	56807	51.029	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	79076	49.694	ug/l	98
10) Methyl Iodide	2.459	142	103700	41.785	ug/l	98
11) Tert butyl alcohol	2.947	59	60887	249.645	ug/l	100
12) 1,1-Dichloroethene	2.325	96	81498	49.859	ug/l	94
13) Acrolein	2.239	56	54948	244.482	ug/l	98
14) Allyl chloride	2.666	41	144448	42.825	ug/l	98
15) Acrylonitrile	3.062	53	257693	285.248	ug/l	99
16) Acetone	2.374	43	208744	219.231	ug/l	99
17) Carbon Disulfide	2.514	76	204871	45.784	ug/l	99
18) Methyl Acetate	2.703	43	92923	43.851	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	303685	50.895	ug/l	100
20) Methylene Chloride	2.788	84	101427	50.324	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	87894	49.945	ug/l	96
22) Diisopropyl ether	3.757	45	335947	51.392	ug/l	89
23) Vinyl Acetate	3.715	43	965730	184.589	ug/l	100
24) 1,1-Dichloroethane	3.605	63	178215	51.293	ug/l	98
25) 2-Butanone	4.544	43	308283	259.561	ug/l	99
26) 2,2-Dichloropropane	4.465	77	56182	19.453	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	109034	50.592	ug/l	93
28) Bromochloromethane	4.891	49	75712	49.915	ug/l	99
29) Tetrahydrofuran	4.989	42	196621	275.188	ug/l	100
30) Chloroform	5.080	83	185553	52.849	ug/l	100
31) Cyclohexane	5.464	56	129035	44.591	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	149781	50.295	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111598	45.705	ug/l	98
37) Ethyl Acetate	4.702	43	101361	38.771	ug/l	99
38) Carbon Tetrachloride	5.672	117	126647	47.739	ug/l	99
39) Methylcyclohexane	7.367	83	116622	42.077	ug/l	98
40) Benzene	6.025	78	369543	49.830	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73695	54.602	ug/l		98
42) 1,2-Dichloroethane	6.074	62	140050	49.633	ug/l		98
43) Isopropyl Acetate	6.324	43	182040	42.456	ug/l		100
44) Trichloroethene	7.117	130	87388	48.741	ug/l		99
45) 1,2-Dichloropropane	7.415	63	97104	51.135	ug/l		98
46) Dibromomethane	7.568	93	70804	51.238	ug/l		99
47) Bromodichloromethane	7.806	83	147933	51.878	ug/l		99
48) Methyl methacrylate	7.677	41	107467	50.318	ug/l		98
49) 1,4-Dioxane	7.647	88	24199	1121.156	ug/l		95
51) 4-Methyl-2-Pentanone	8.555	43	660010	277.632	ug/l		99
52) Toluene	8.702	92	225040	49.254	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	124111	42.670	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	132296	42.554	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	93431	53.032	ug/l		99
56) Ethyl methacrylate	9.104	69	142817	51.618	ug/l		97
57) 1,3-Dichloropropane	9.293	76	159601	52.736	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.153	63	74	7.949	ug/l	#	47
59) 2-Hexanone	9.415	43	452858	265.237	ug/l		99
60) Dibromochloromethane	9.506	129	108700	53.548	ug/l		99
61) 1,2-Dibromoethane	9.592	107	96416	53.730	ug/l		99
64) Tetrachloroethene	9.256	164	66025	44.693	ug/l		97
65) Chlorobenzene	10.061	112	252327	49.011	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	89722	50.504	ug/l		99
67) Ethyl Benzene	10.177	91	424497	47.787	ug/l		98
68) m/p-Xylenes	10.287	106	321485	97.233	ug/l		98
69) o-Xylene	10.628	106	155556	48.642	ug/l		98
70) Styrene	10.640	104	275268	49.124	ug/l		99
71) Bromoform	10.781	173	69522	52.409	ug/l	#	98
73) Isopropylbenzene	10.945	105	391154	44.613	ug/l		99
74) N-amyl acetate	10.829	43	136001	34.016	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	134192	50.588	ug/l		98
76) 1,2,3-Trichloropropane	11.226	75	135270	57.933	ug/l		89
77) Bromobenzene	11.183	156	99736	46.187	ug/l		98
78) n-propylbenzene	11.287	91	461966	44.572	ug/l		99
79) 2-Chlorotoluene	11.348	91	287872	45.348	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	323736	44.942	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	29502	32.221	ug/l		97
82) 4-Chlorotoluene	11.439	91	338296	45.122	ug/l		99
83) tert-Butylbenzene	11.695	119	328678	44.573	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	327974	44.909	ug/l		100
85) sec-Butylbenzene	11.872	105	382662	43.689	ug/l		99
86) p-Isopropyltoluene	11.994	119	320143	43.174	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	178688	44.550	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	181313	44.044	ug/l		99
89) n-Butylbenzene	12.317	91	288466	42.042	ug/l		99
90) Hexachloroethane	12.518	117	59306	45.554	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	175899	46.032	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25279	47.069	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	104847	42.218	ug/l		100
94) Hexachlorobutadiene	13.707	225	32612	38.660	ug/l		96
95) Naphthalene	13.756	128	340760	45.060	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	102966	44.571	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

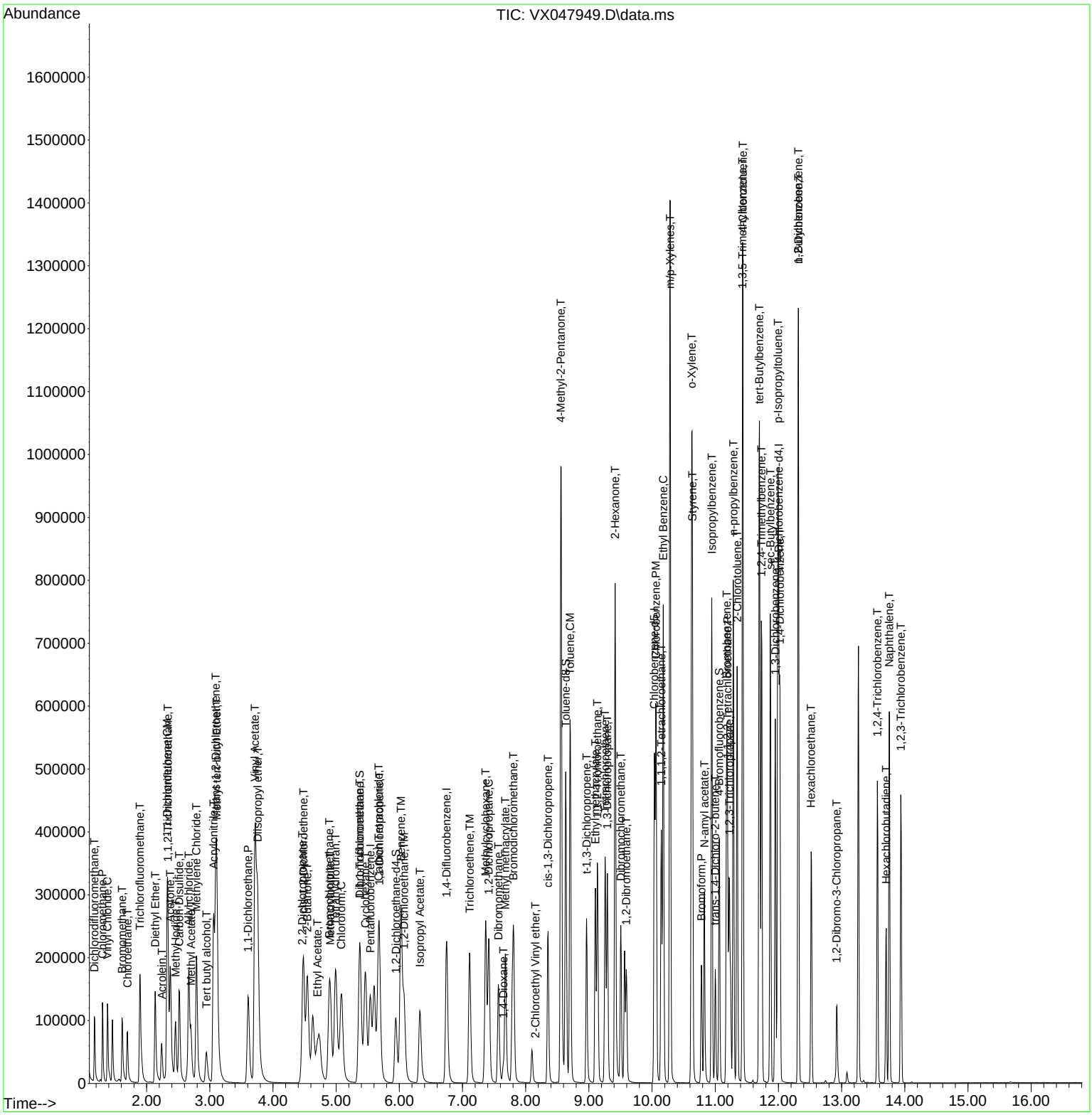
(#) = qualifier out of range (m) = manual integration (+) = signals summed

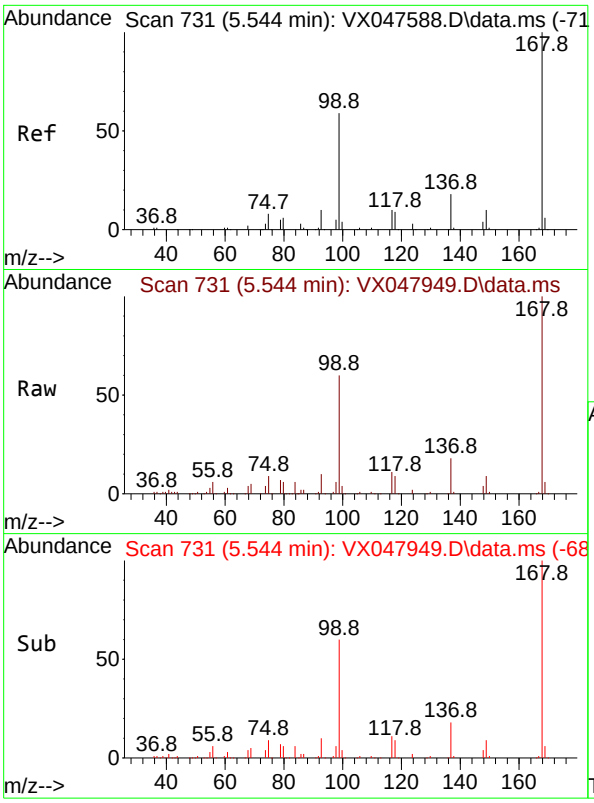
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047949.D
Acq On : 01 Oct 2025 18:17
Operator : JC/MD
Sample : Q3193-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Quant Time: Oct 03 01:27:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



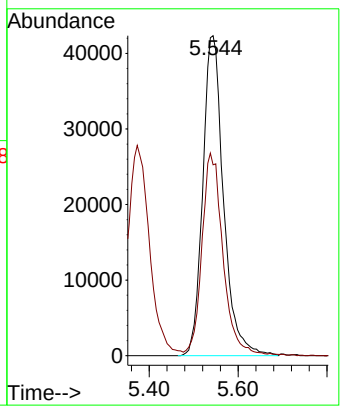


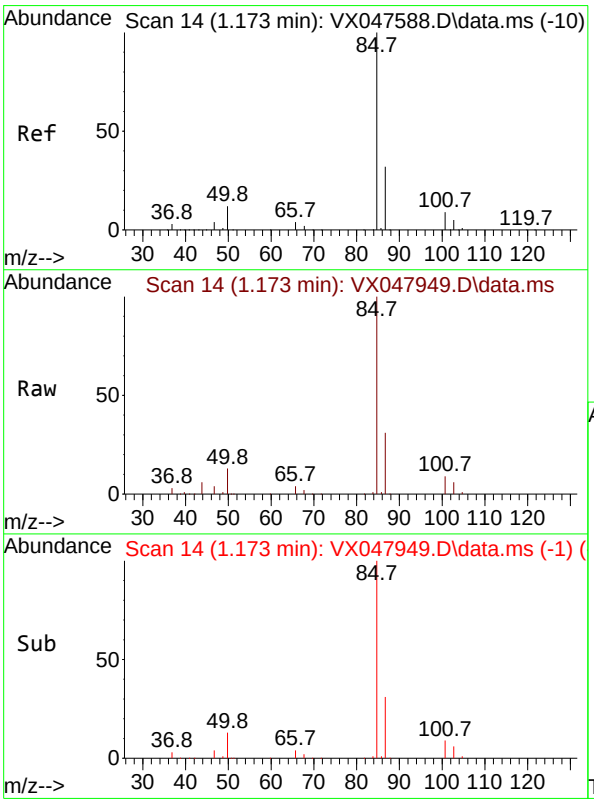
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:168 Resp: 137577

Ion	Ratio	Lower	Upper
168	100		
99	59.3	48.8	73.2

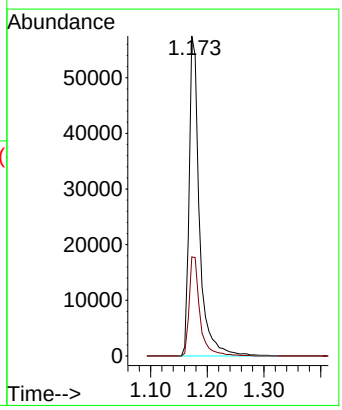


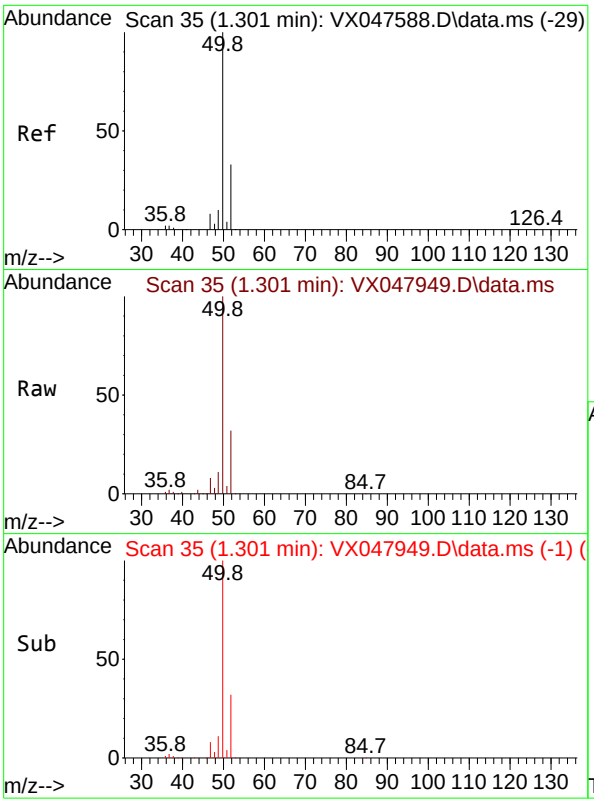


#2
Dichlorodifluoromethane
Concen: 50.986 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 85 Resp: 72636

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.8	47.3



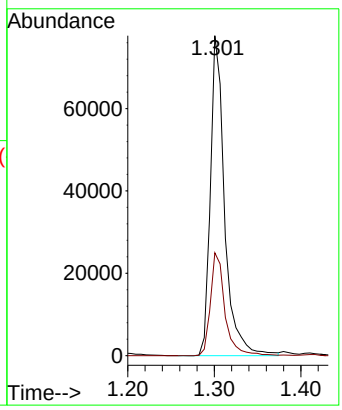


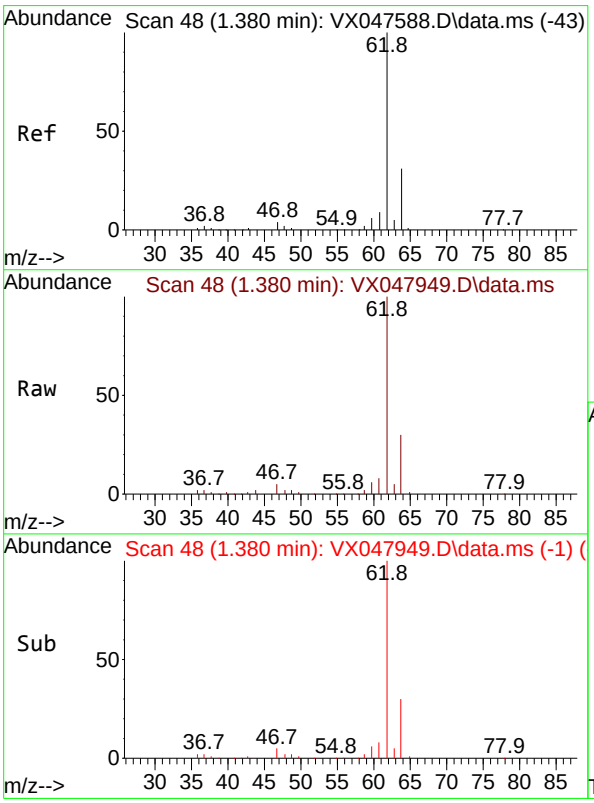
#3
Chloromethane
Concen: 47.357 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 50 Resp: 88670

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

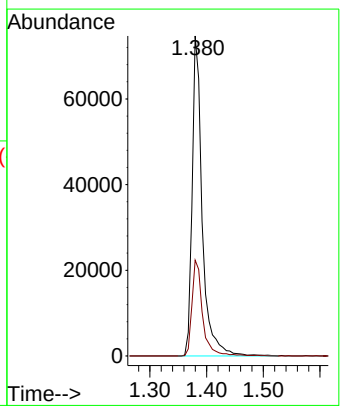


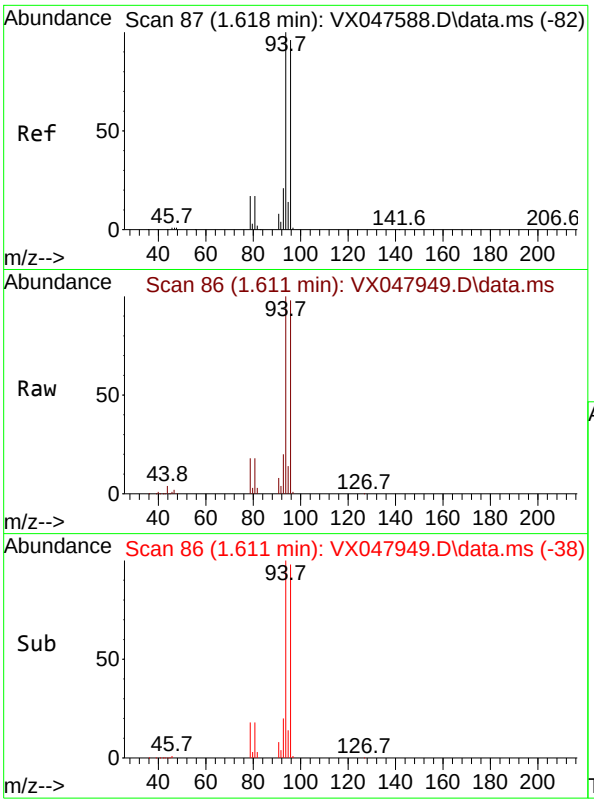


#4
Vinyl Chloride
Concen: 50.427 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 62 Resp: 92425

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.9	37.3



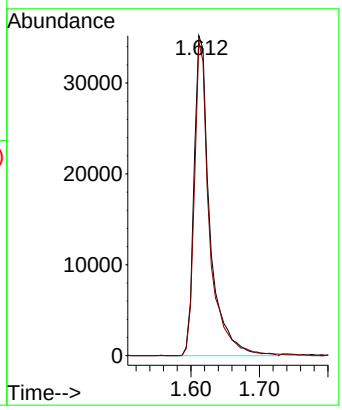


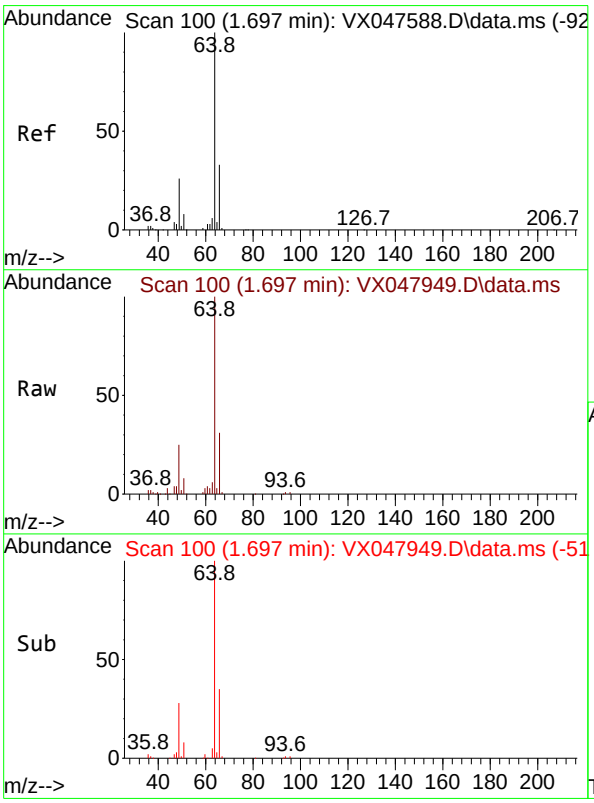
#5
Bromomethane
Concen: 48.736 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 94 Resp: 56642

Ion	Ratio	Lower	Upper
94	100		
96	98.0	76.6	115.0

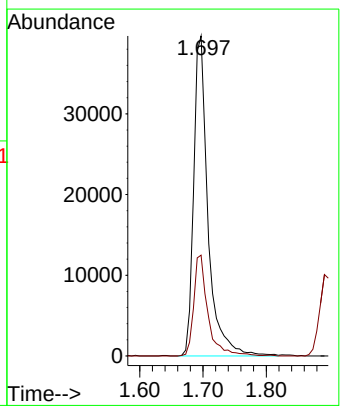


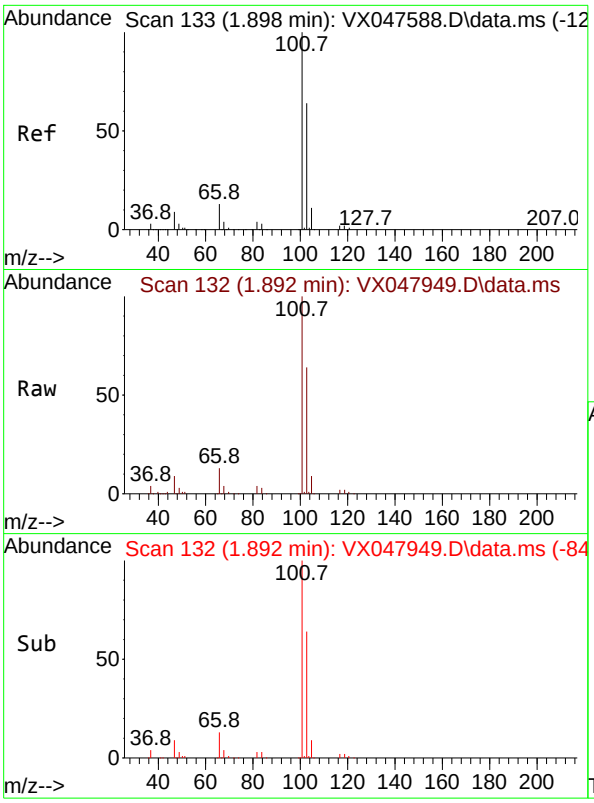


#6
Chloroethane
Concen: 51.000 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 64 Resp: 62475

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.1	39.1



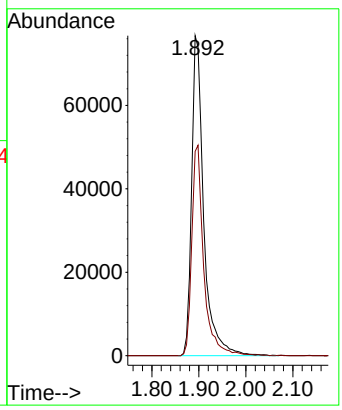


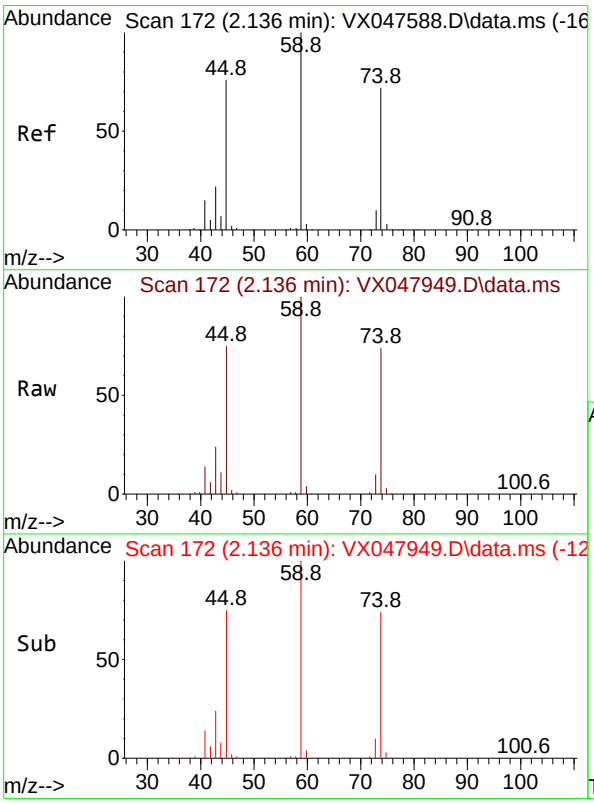
#7
Trichlorofluoromethane
Concen: 50.534 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:101 Resp: 137522

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

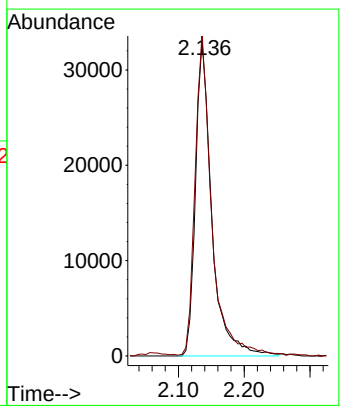


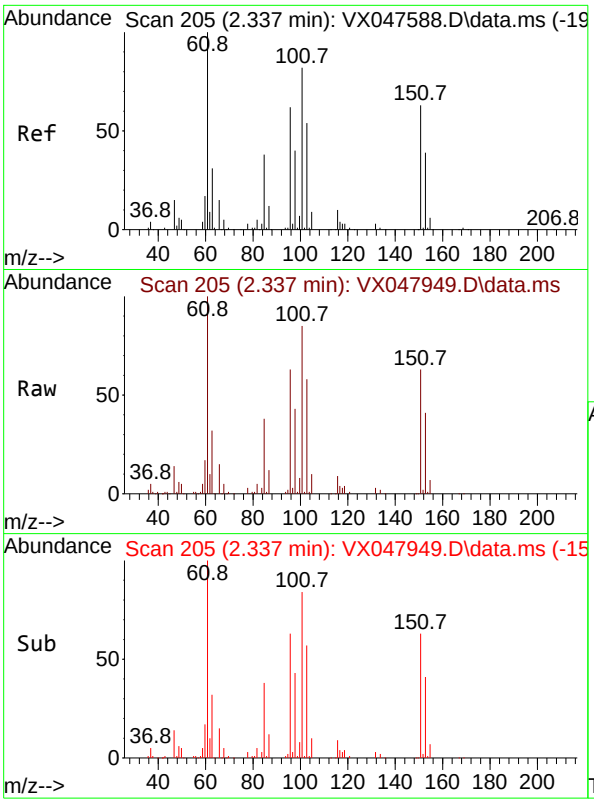


#8
Diethyl Ether
Concen: 51.029 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 74 Resp: 56807

Ion	Ratio	Lower	Upper
74	100		
45	103.5	52.3	156.8



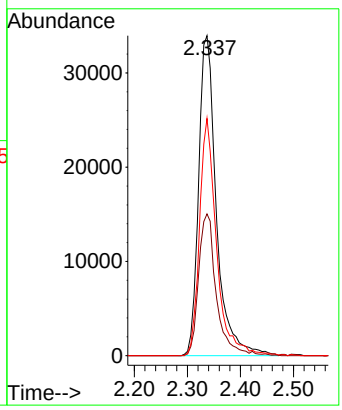


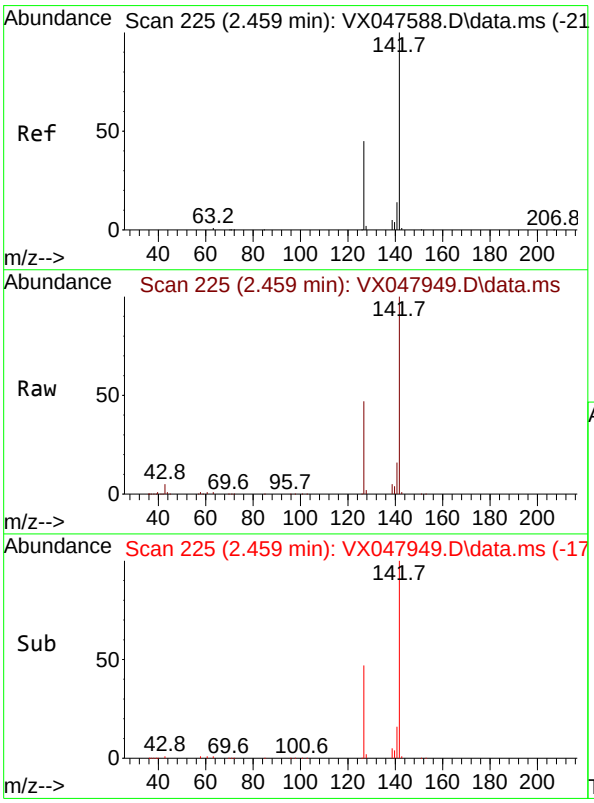
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.694 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:101 Resp: 79076

Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.5	53.3
151	71.3	59.4	89.0

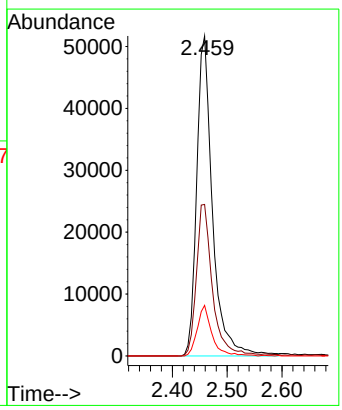


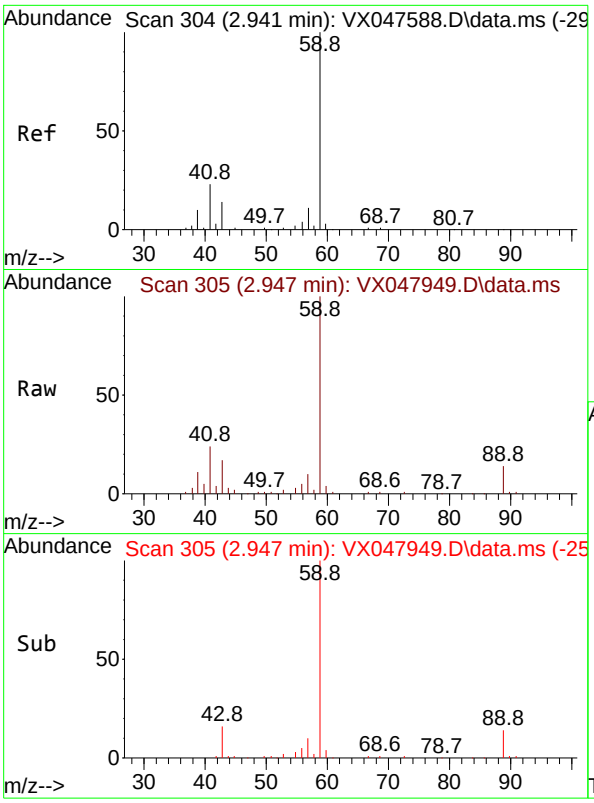


#10
Methyl Iodide
Concen: 41.785 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:142 Resp: 103700

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	14.6	11.4	17.0



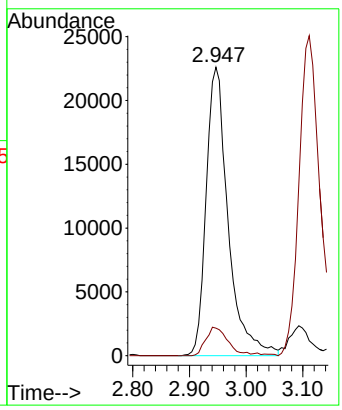


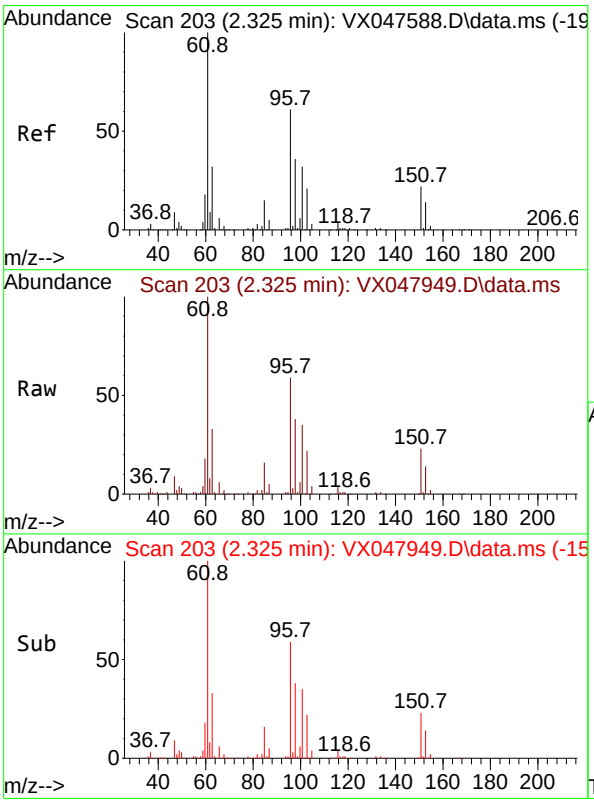
#11
Tert butyl alcohol
Concen: 249.645 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 59 Resp: 60887

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

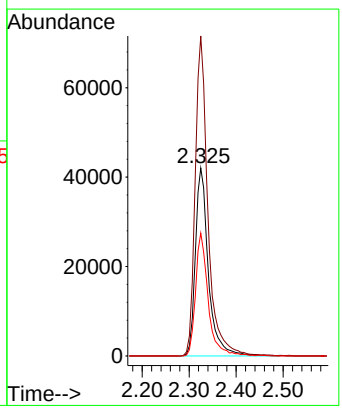


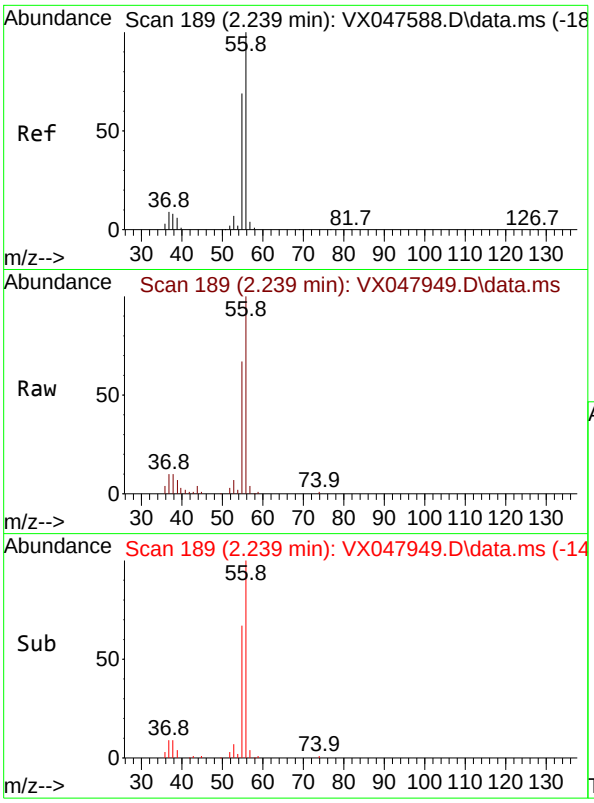


#12
1,1-Dichloroethene
Concen: 49.859 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 96 Resp: 81498

Ion	Ratio	Lower	Upper
96	100		
61	170.2	131.0	196.6
98	65.4	47.7	71.5



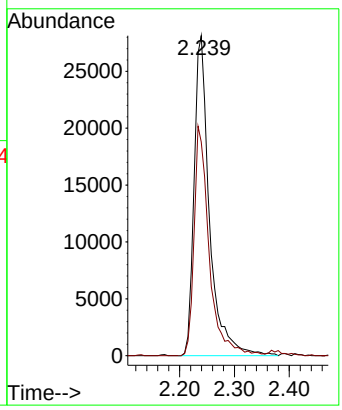


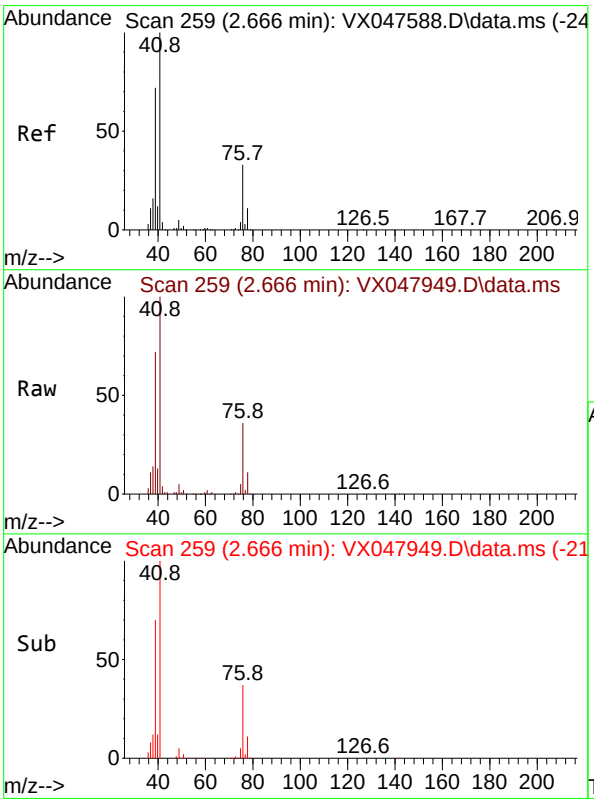
#13
Acrolein
Concen: 244.482 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 56 Resp: 54948

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

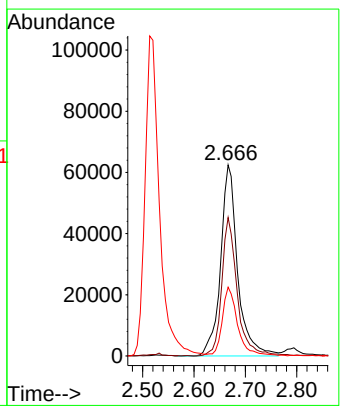


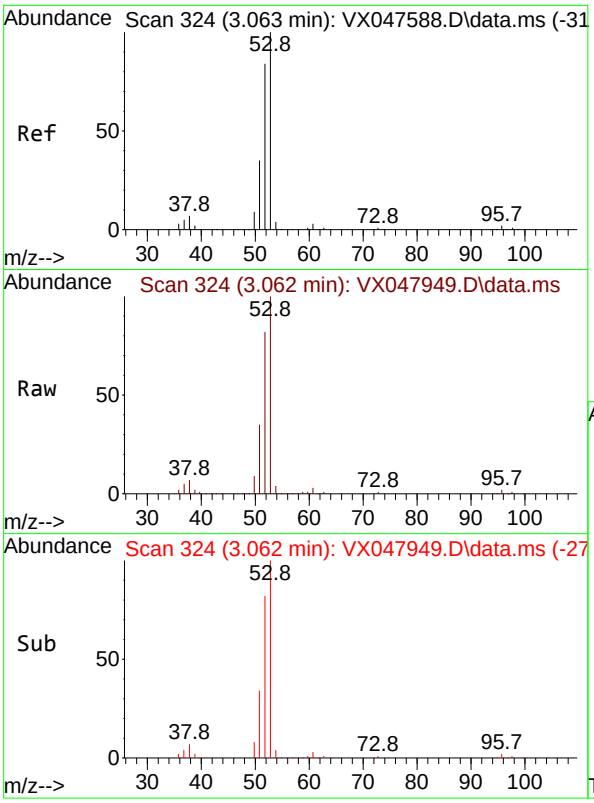


#14
Allyl chloride
Concen: 42.825 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 41 Resp: 144448

Ion	Ratio	Lower	Upper
41	100		
39	65.8	54.7	82.1
76	32.1	25.7	38.5



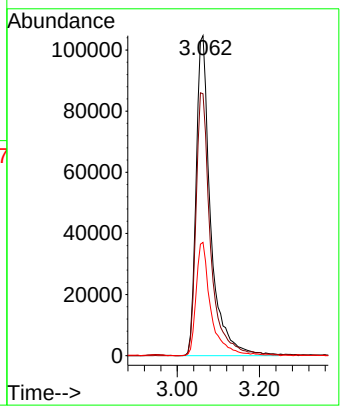


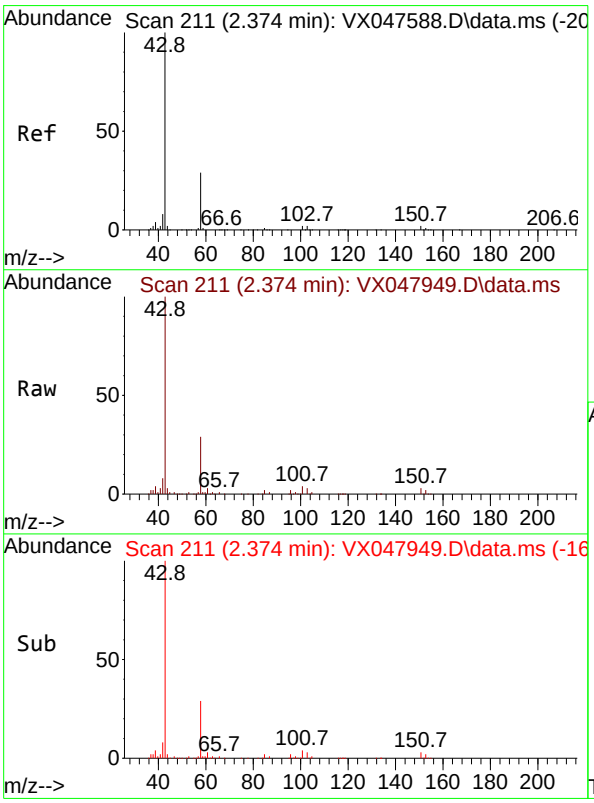
#15
Acrylonitrile
Concen: 285.248 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 53 Resp: 257693

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.4	99.6
51	35.6	29.5	44.3

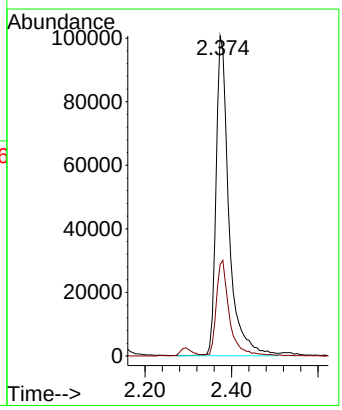


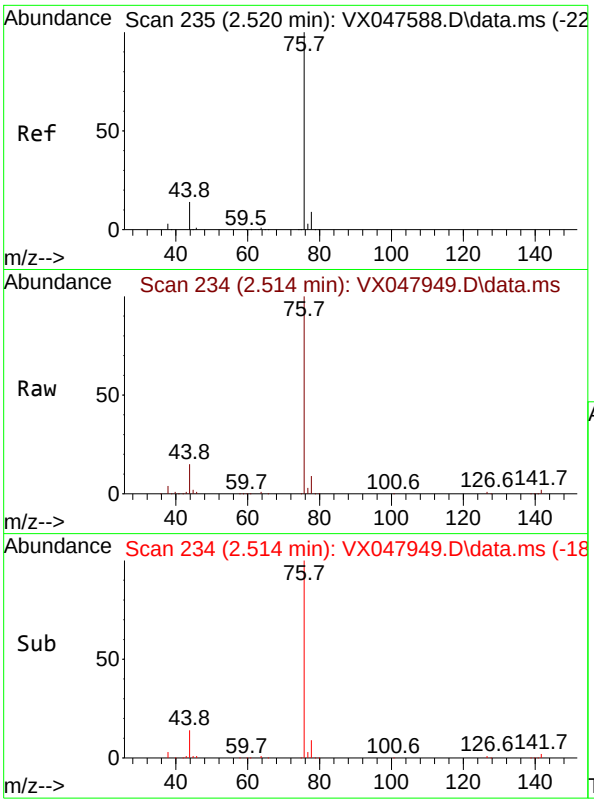


#16
Acetone
Concen: 219.231 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 208744

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0



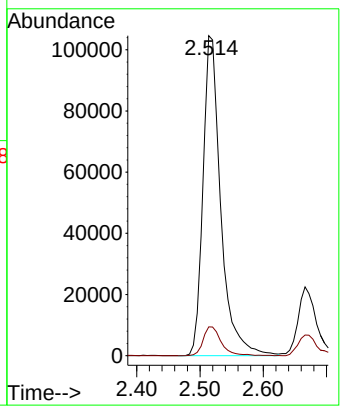


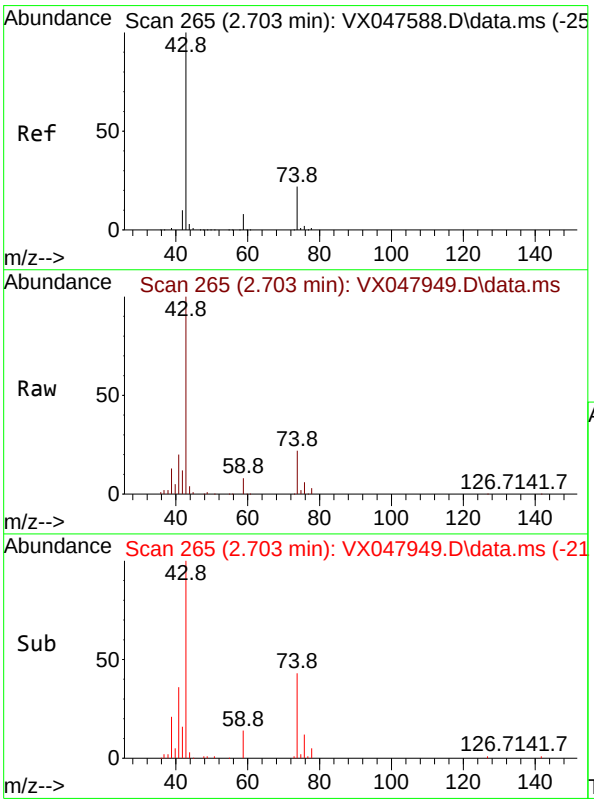
#17
Carbon Disulfide
Concen: 45.784 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 76 Resp: 204871

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

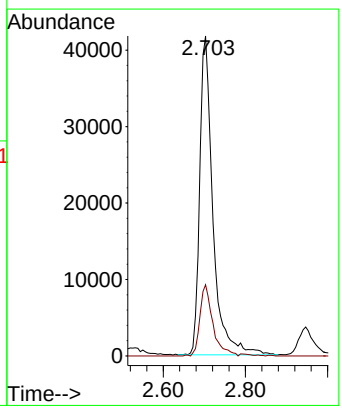


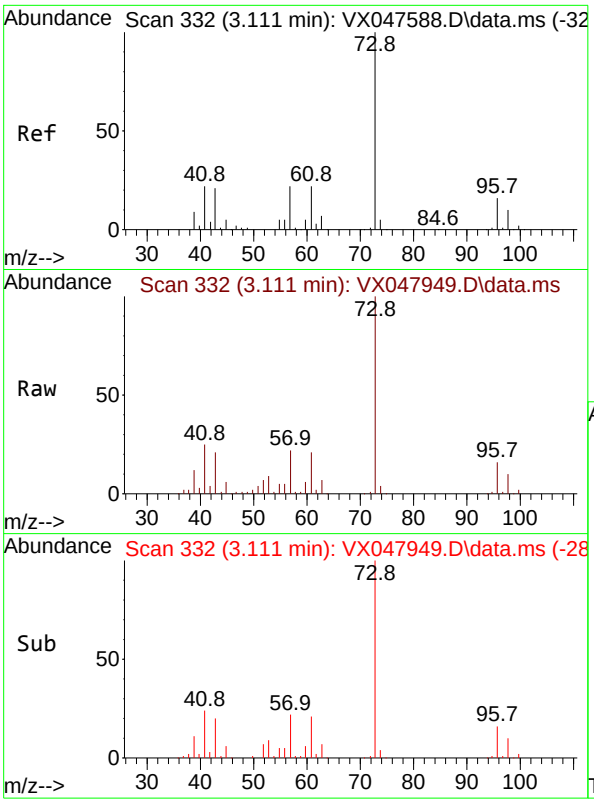


#18
Methyl Acetate
Concen: 43.851 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 92923

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



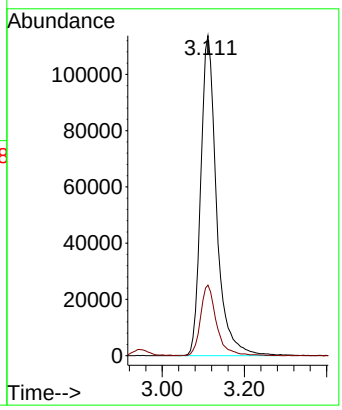


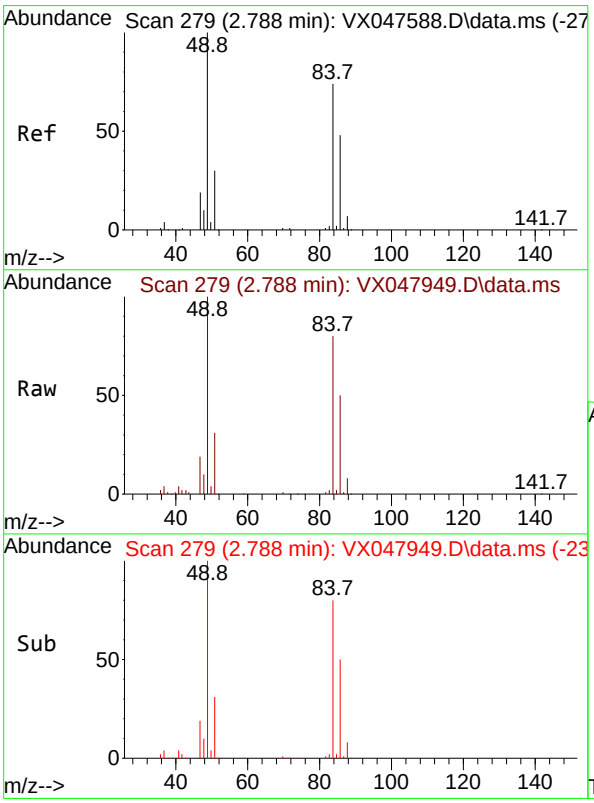
#19
Methyl tert-butyl Ether
Concen: 50.895 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 73 Resp: 303685

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

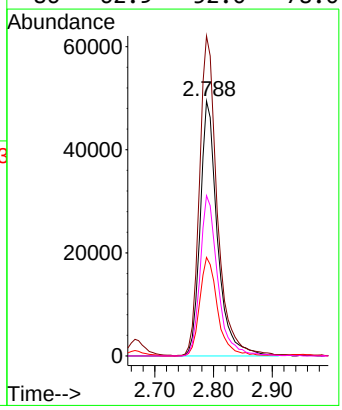


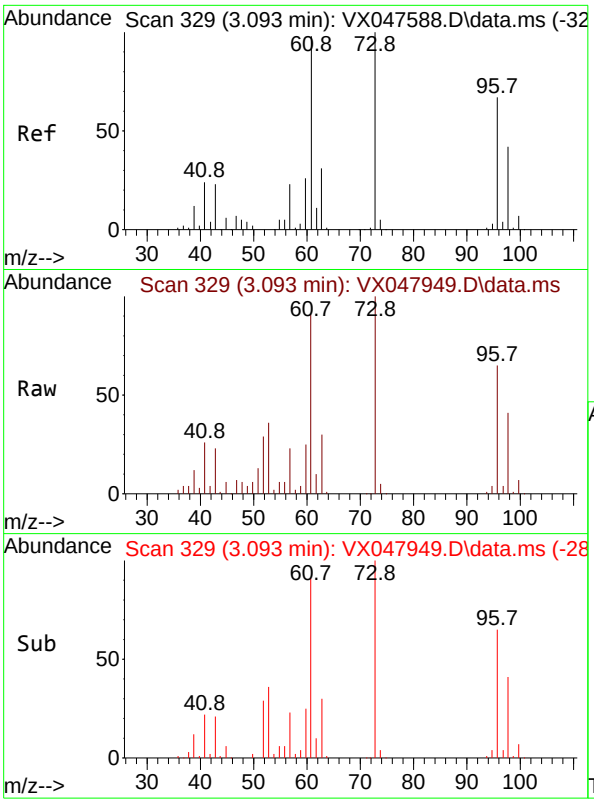


#20
Methylene Chloride
Concen: 50.324 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 84 Resp: 101427

Ion	Ratio	Lower	Upper
84	100		
49	125.3	108.6	162.8
51	38.6	32.6	48.8
86	62.9	52.0	78.0



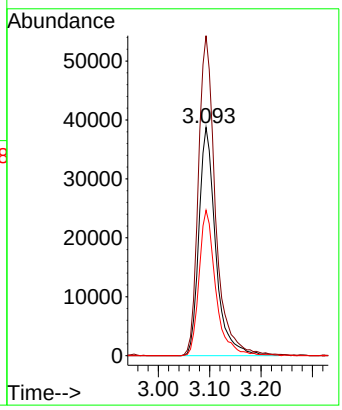


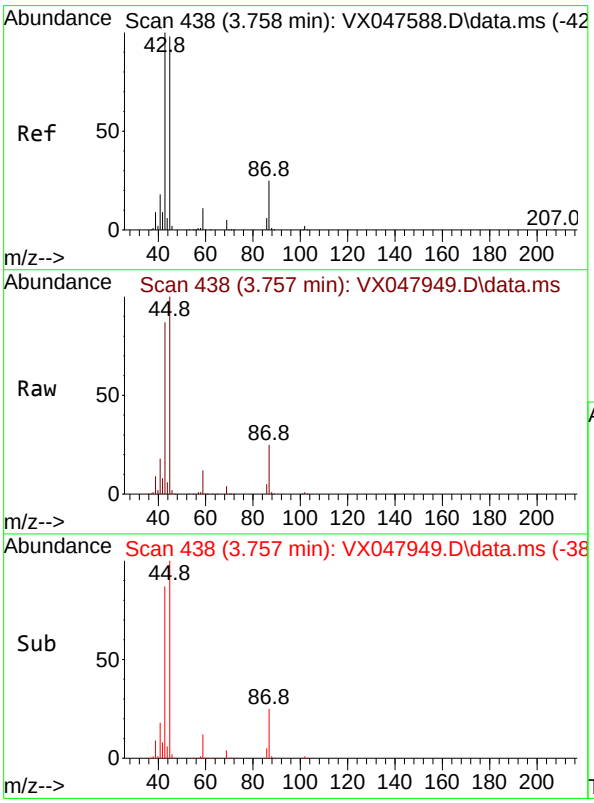
#21
trans-1,2-Dichloroethene
Concen: 49.945 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 96 Resp: 87894

Ion	Ratio	Lower	Upper
96	100		
61	140.2	116.2	174.2
98	63.8	49.3	73.9

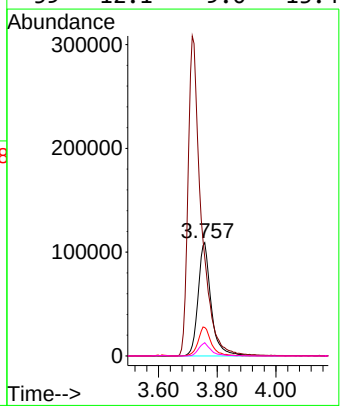


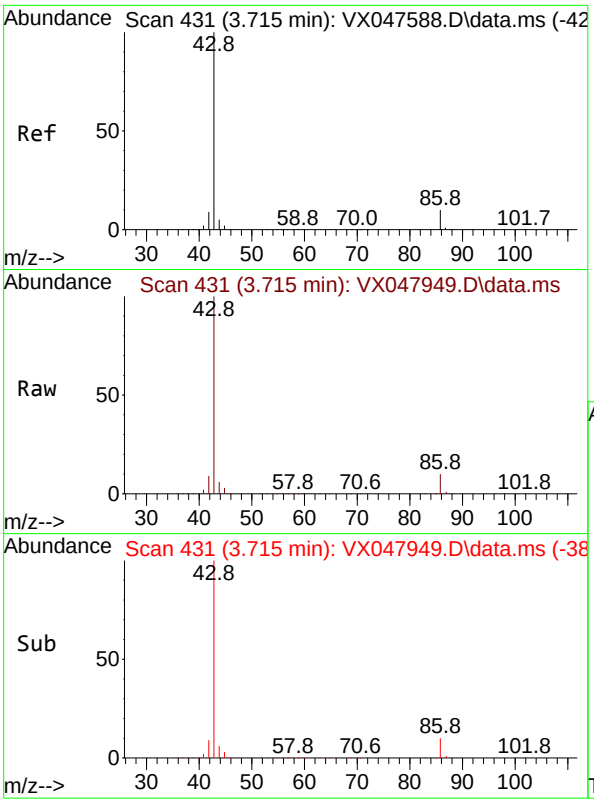


#22
Diisopropyl ether
Concen: 51.392 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 45 Resp: 335947

Ion	Ratio	Lower	Upper
45	100		
43	86.8	81.0	121.4
87	25.1	20.3	30.5
59	12.1	9.0	13.4



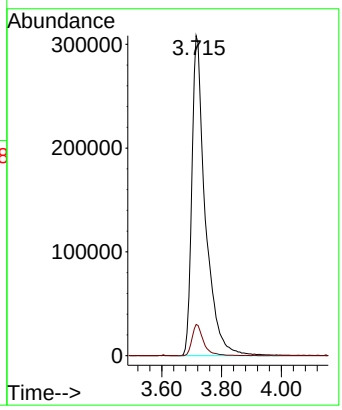


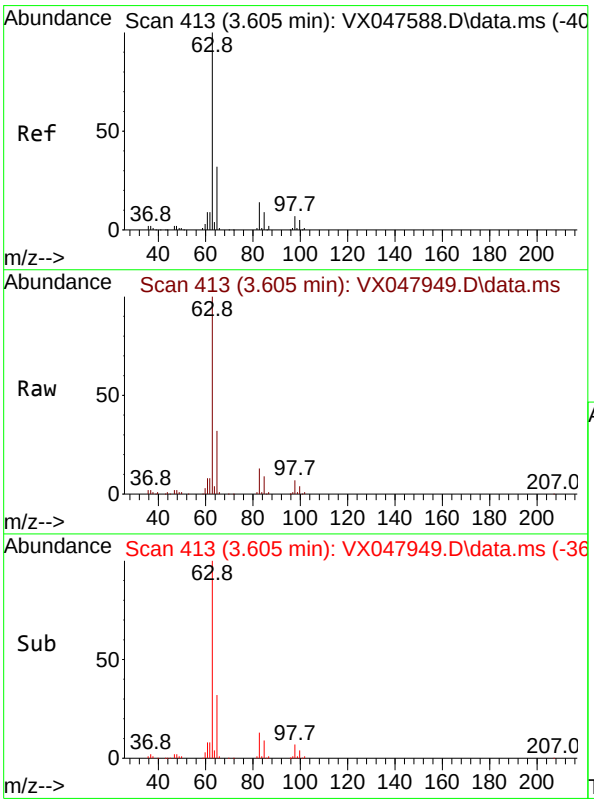
#23
Vinyl Acetate
Concen: 184.589 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 43 Resp: 965730

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

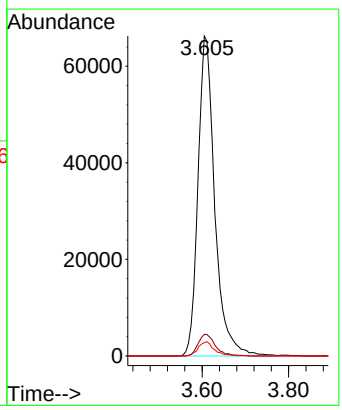


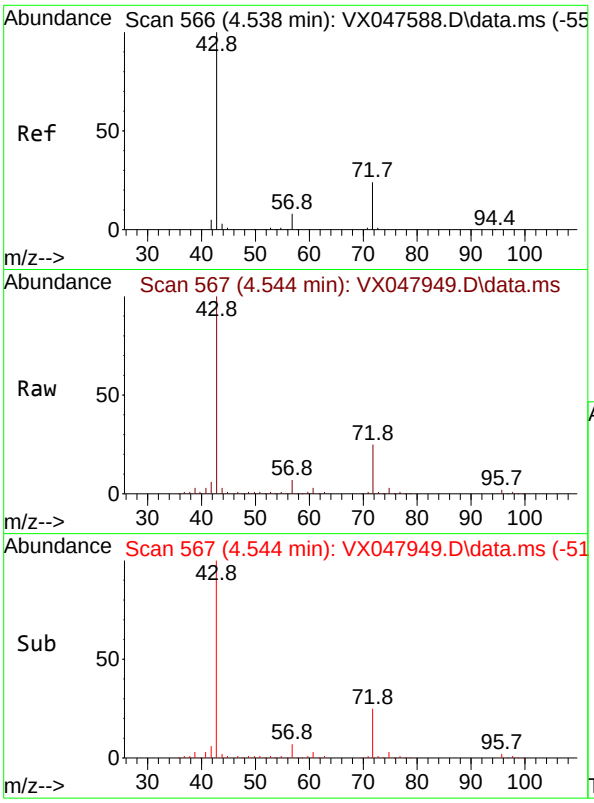


#24
1,1-Dichloroethane
Concen: 51.293 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 63 Resp: 178215

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.1	2.3	6.9



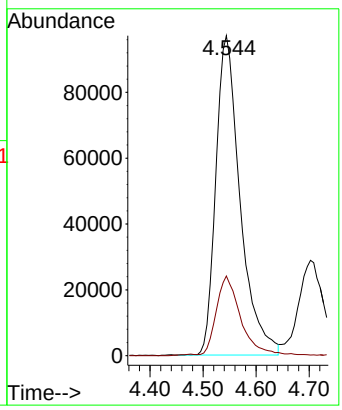


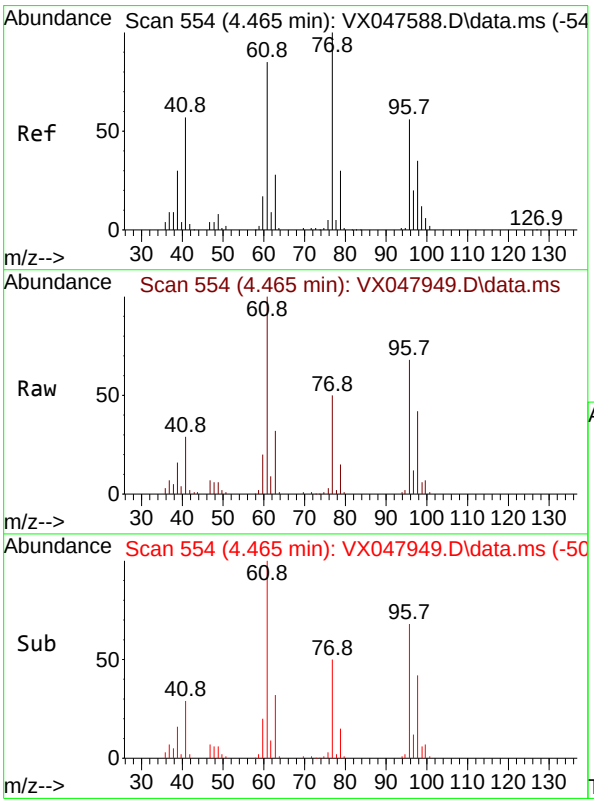
#25
2-Butanone
Concen: 259.561 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 43 Resp: 308283

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

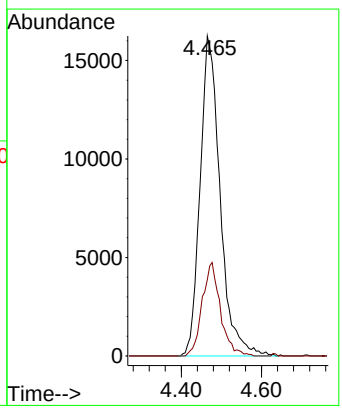


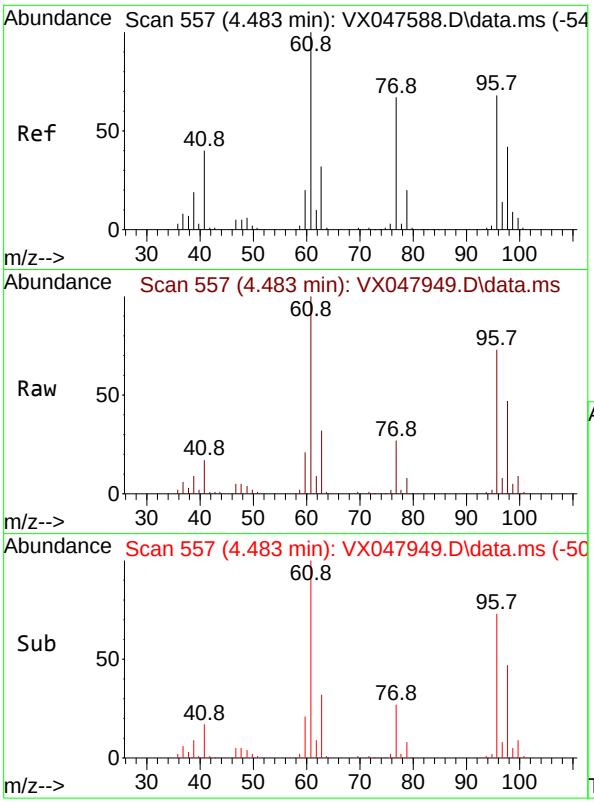


#26
2,2-Dichloropropane
Concen: 19.453 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 77 Resp: 56182

Ion	Ratio	Lower	Upper
77	100		
97	26.7	10.9	32.7



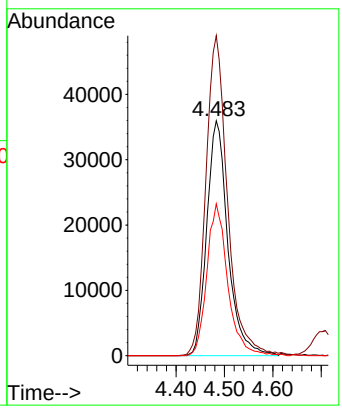


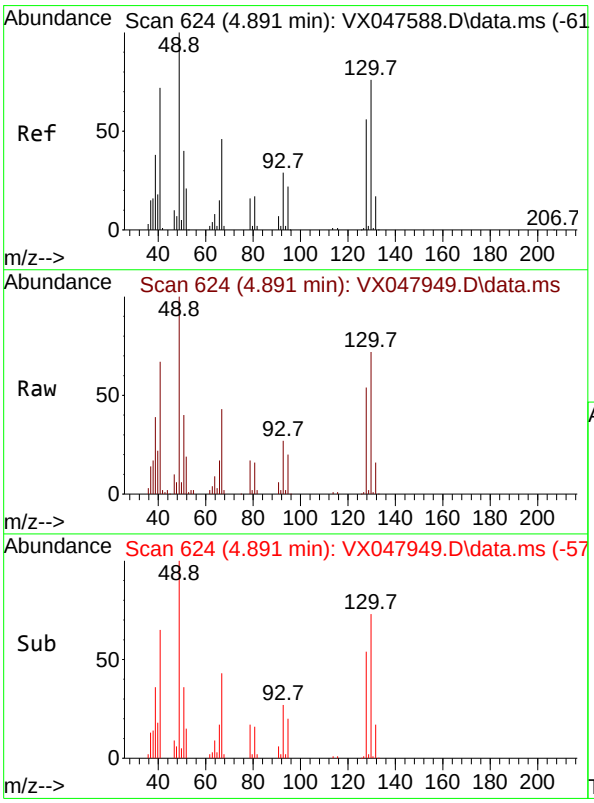
#27
cis-1,2-Dichloroethene
Concen: 50.592 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 96 Resp: 109034

Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	303.2
98	63.9	0.0	127.8

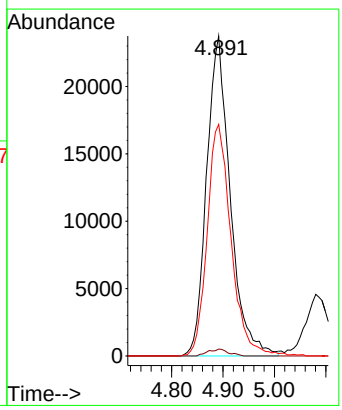


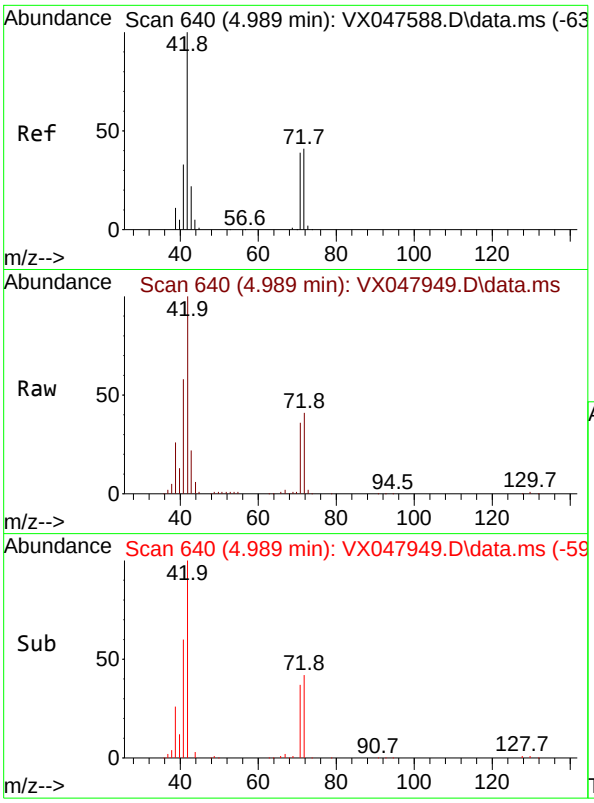


#28
Bromochloromethane
Concen: 49.915 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 49 Resp: 75712

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	73.2	57.8	86.8



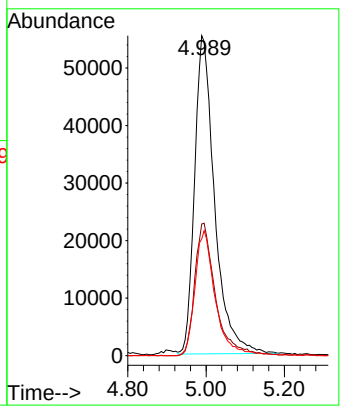


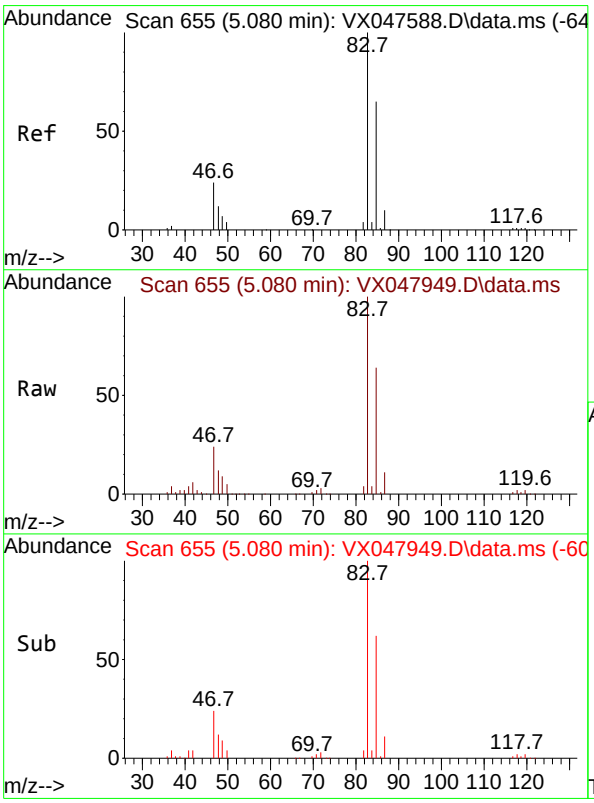
#29
Tetrahydrofuran
Concen: 275.188 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 42 Resp: 196621

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	40.0	31.9	47.9

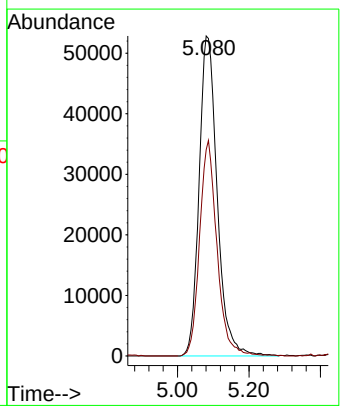


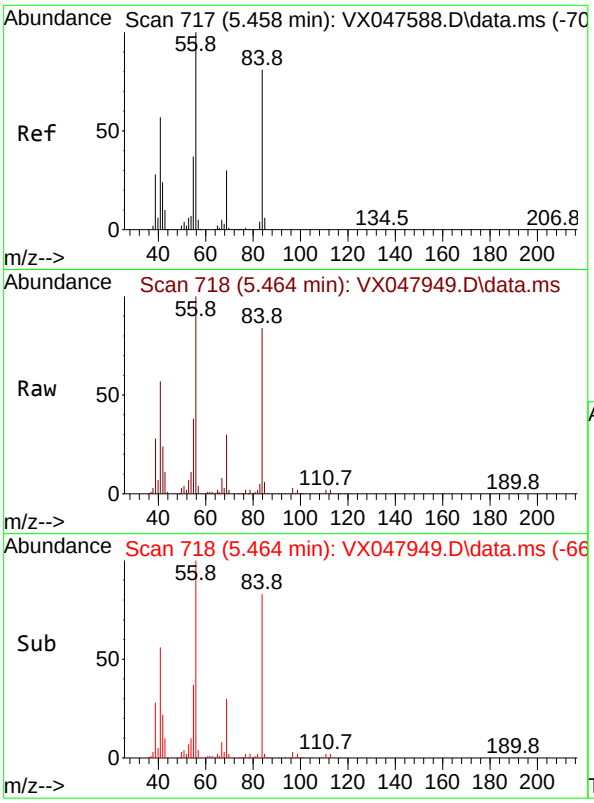


#30
Chloroform
Concen: 52.849 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 83 Resp: 185553

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6



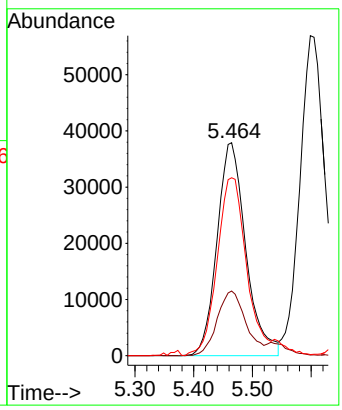


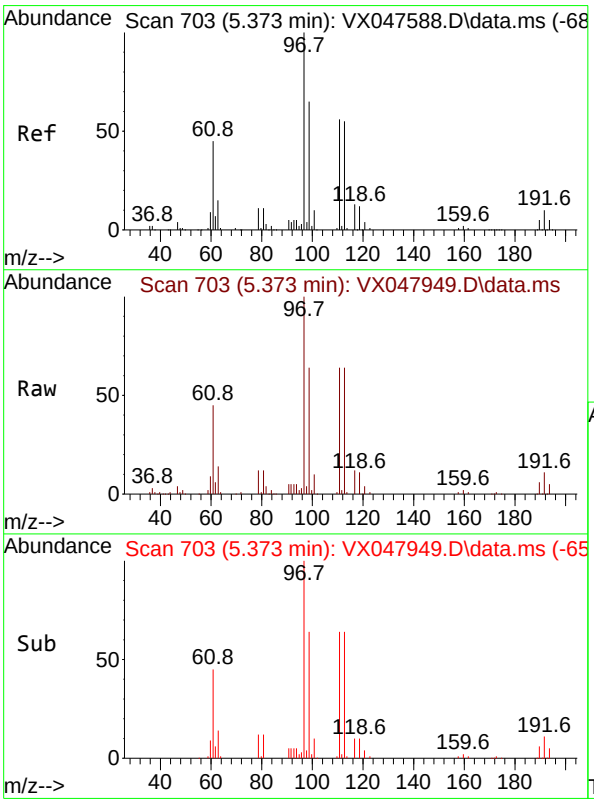
#31
Cyclohexane
Concen: 44.591 ug/l
RT: 5.464 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 56 Resp: 129035

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.8
84	81.1	64.6	97.0

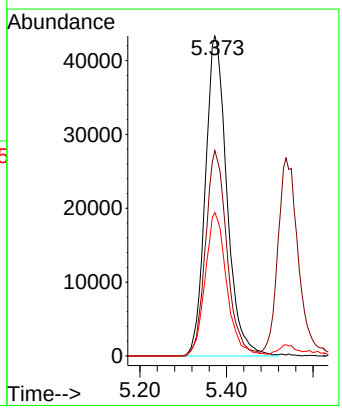


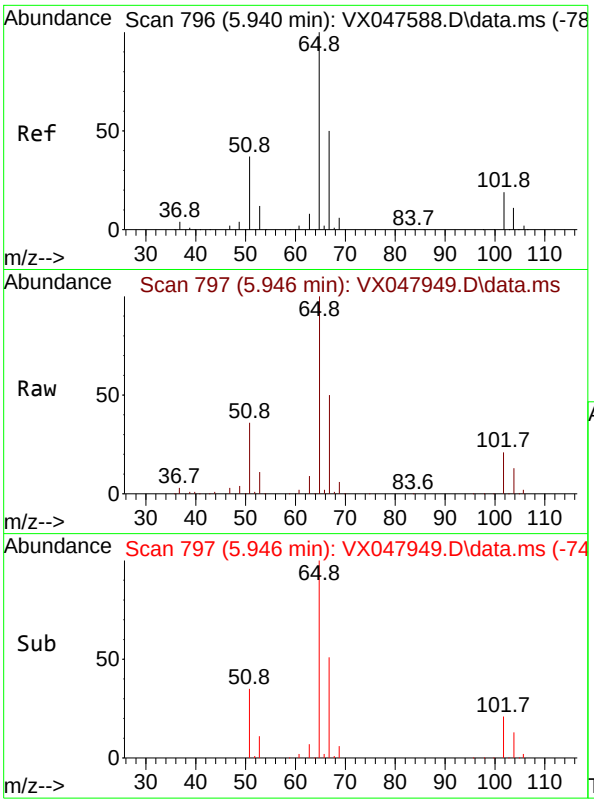


#32
1,1,1-Trichloroethane
Concen: 50.295 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 97 Resp: 149781

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	45.0	35.8	53.8



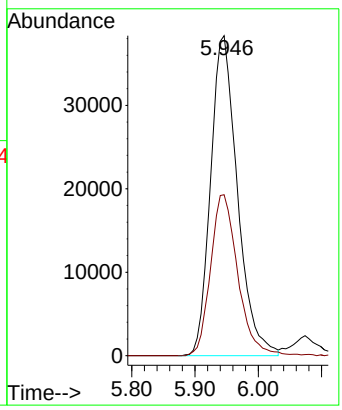


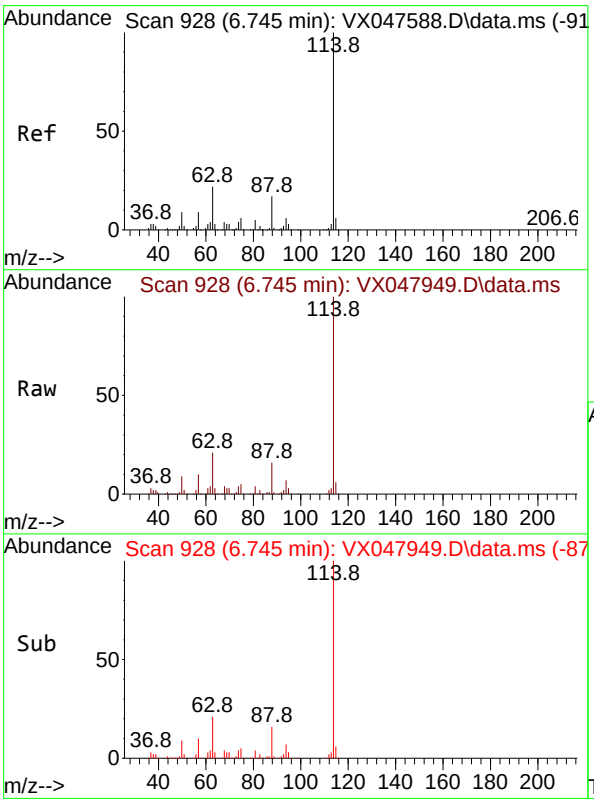
#33
1,2-Dichloroethane-d4
Concen: 51.539 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 65 Resp: 112865

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0

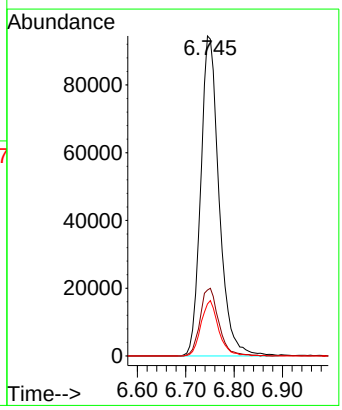


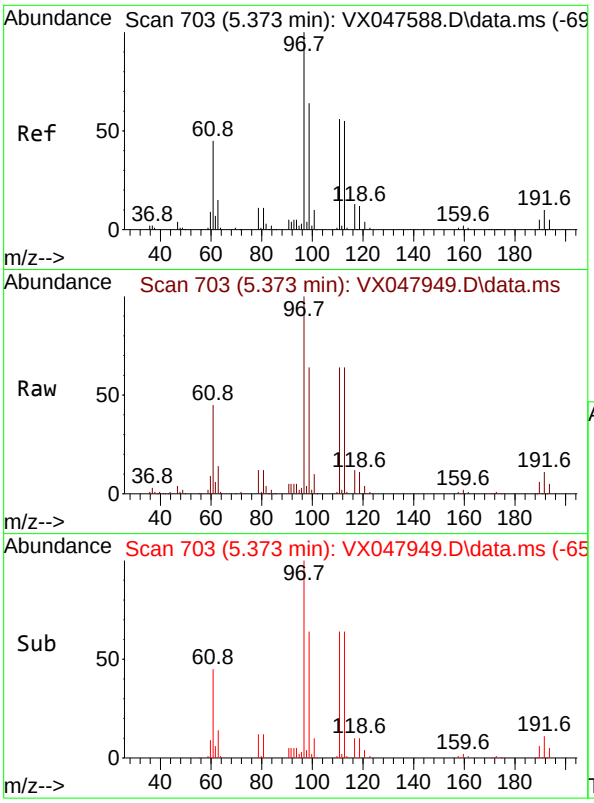


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:114 Resp: 249155

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	16.3	0.0	34.2



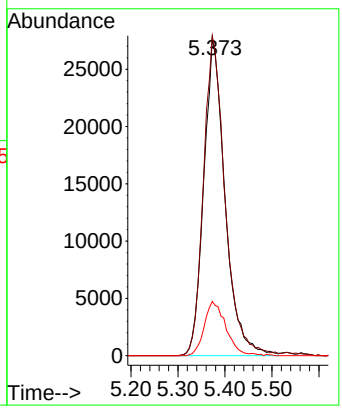


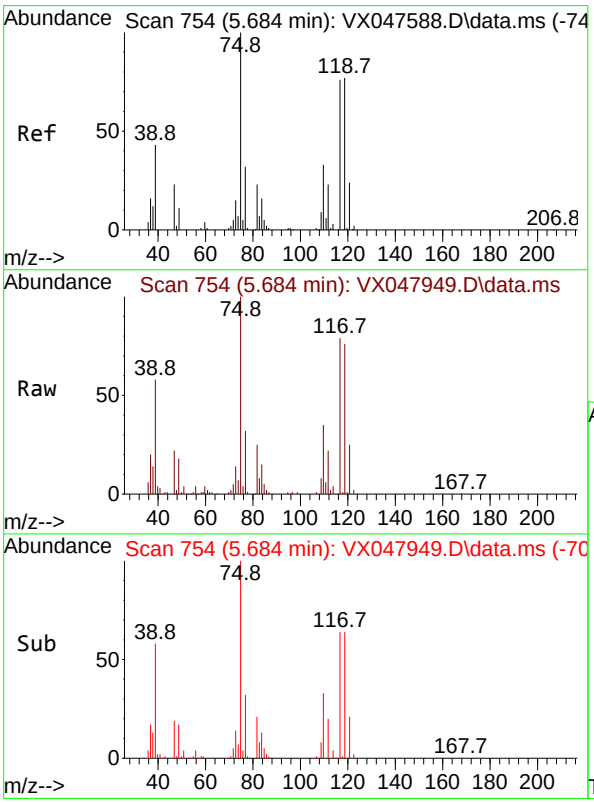
#35
Dibromofluoromethane
Concen: 52.119 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:113 Resp: 87090

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	17.4	14.2	21.4

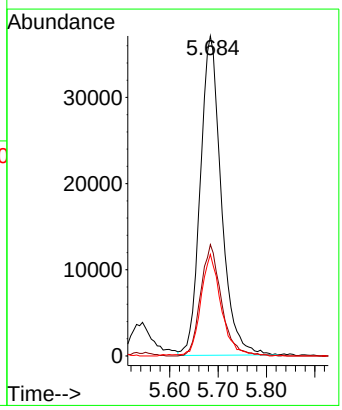


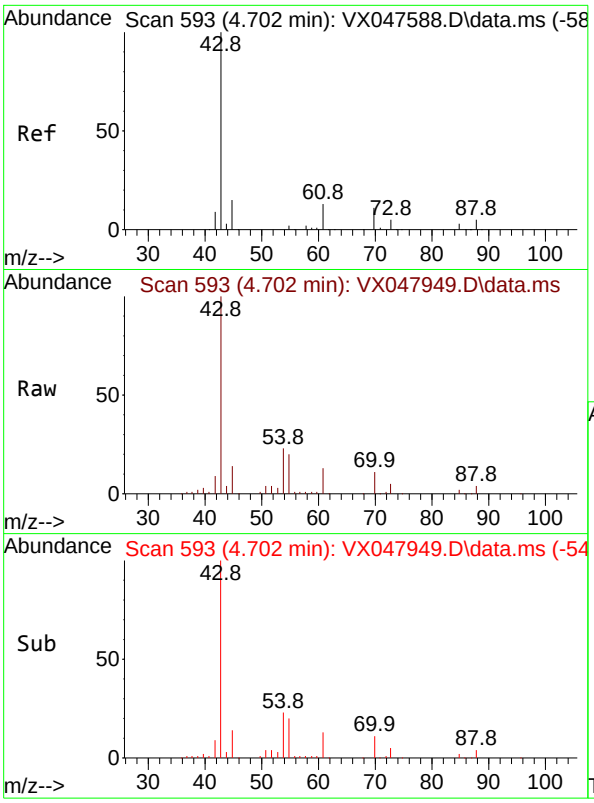


#36
1,1-Dichloropropene
Concen: 45.705 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 111598

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	30.9	24.3	36.5



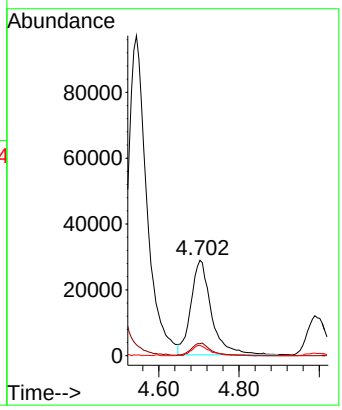


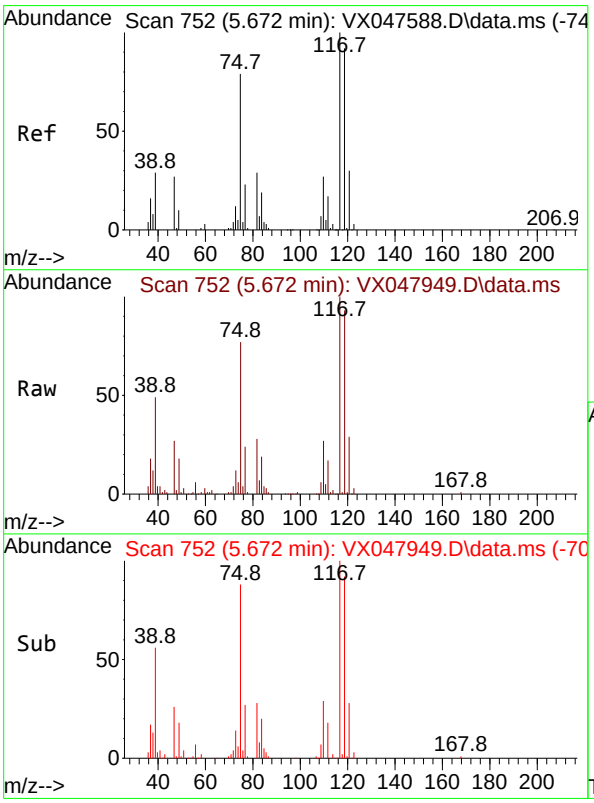
#37
Ethyl Acetate
Concen: 38.771 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 43 Resp: 101361

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	10.1	7.9	11.9

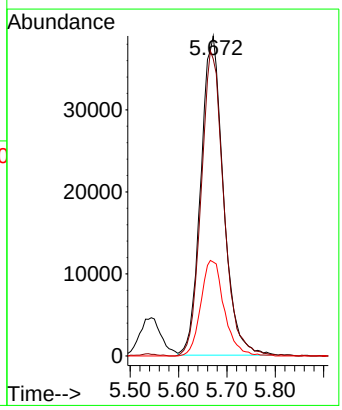


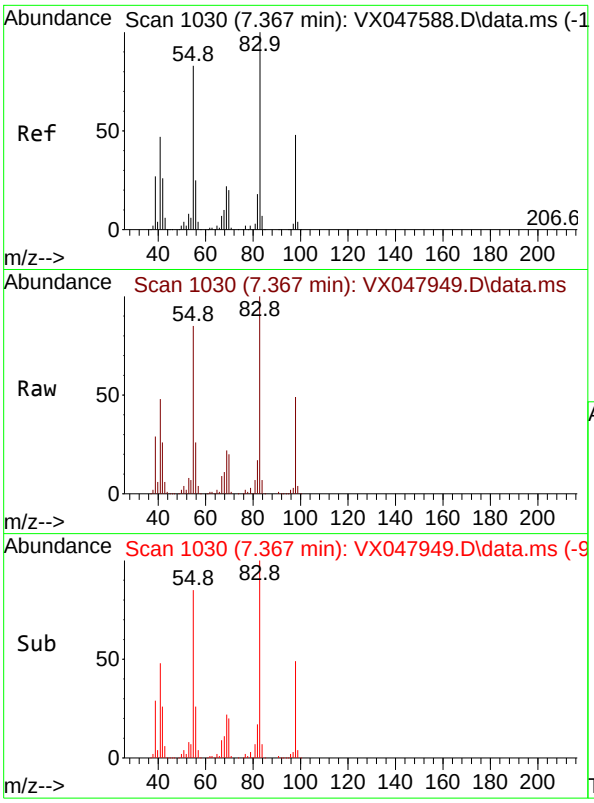


#38
Carbon Tetrachloride
Concen: 47.739 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:117 Resp: 126647

Ion	Ratio	Lower	Upper
117	100		
119	92.8	73.4	110.2
121	29.4	23.8	35.6



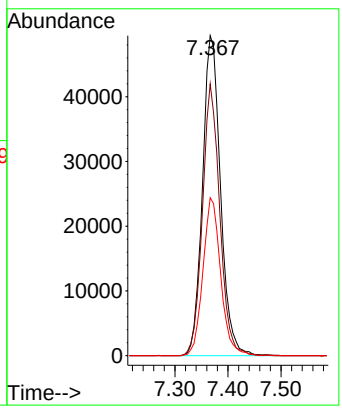


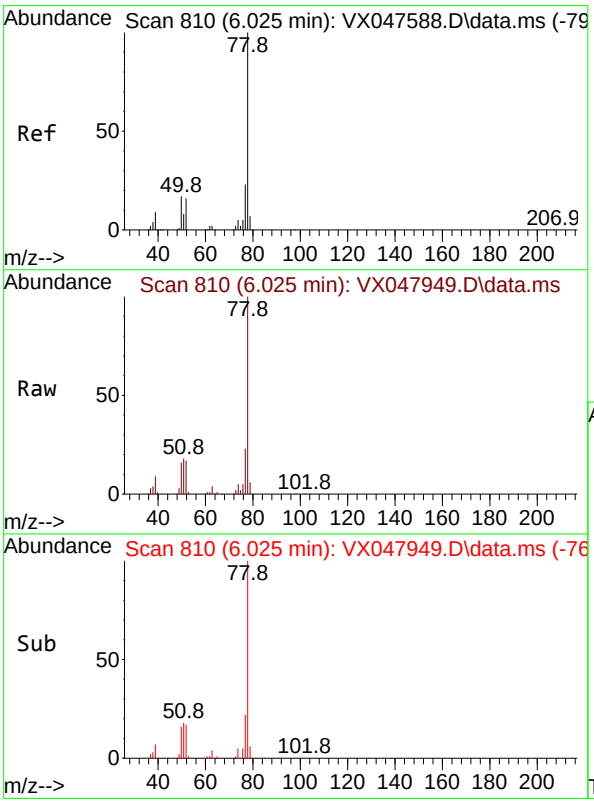
#39
Methylcyclohexane
Concen: 42.077 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 83 Resp: 116622

Ion	Ratio	Lower	Upper
83	100		
55	84.9	66.4	99.6
98	49.3	38.1	57.1

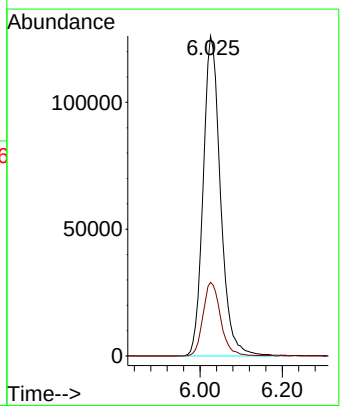


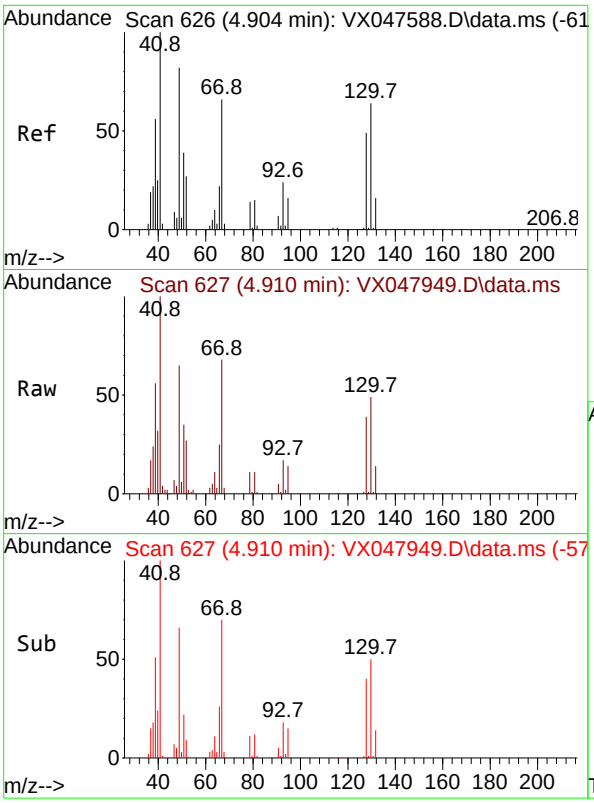


#40
Benzene
Concen: 49.830 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 78 Resp: 369543

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



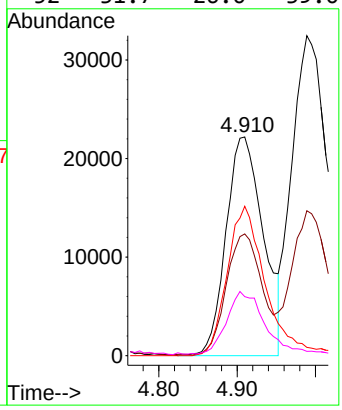


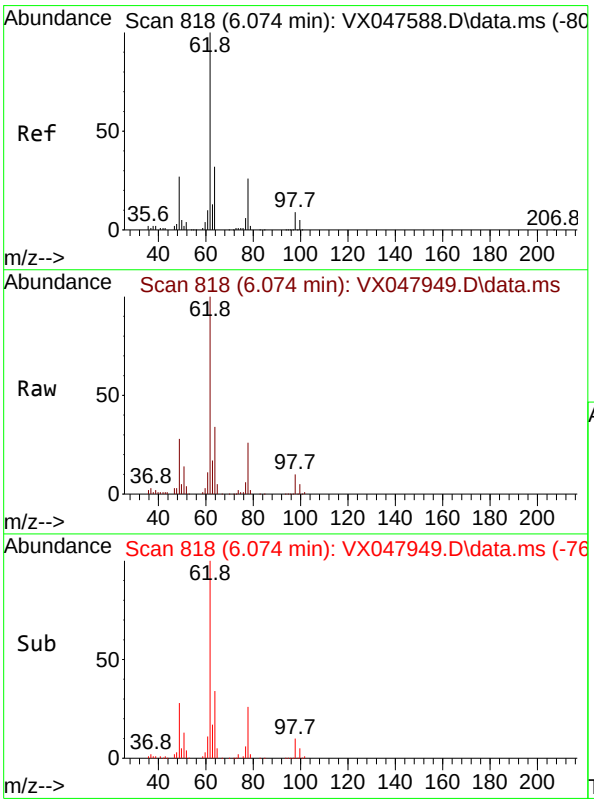
#41
Methacrylonitrile
Concen: 54.602 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 41 Resp: 73695

Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.3	64.9
67	71.0	58.6	87.8
52	31.7	26.0	39.0

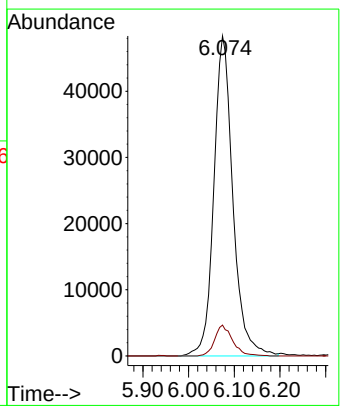


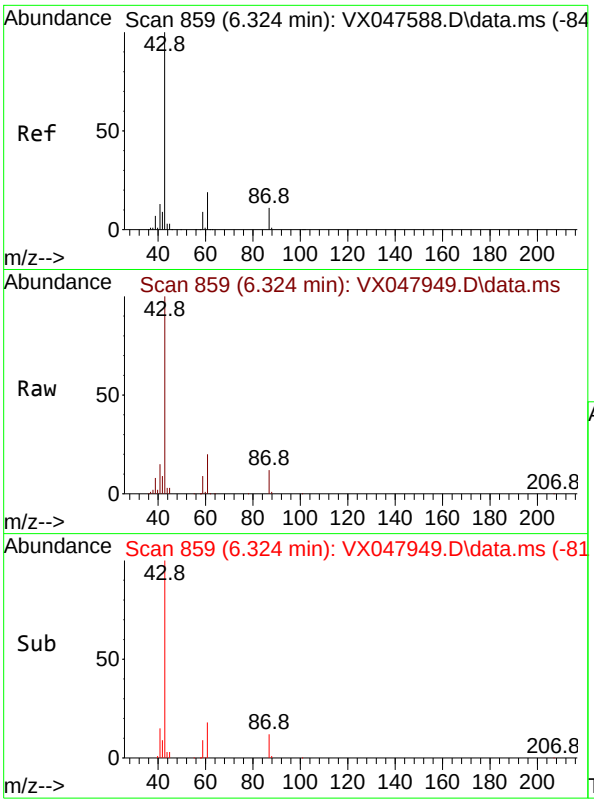


#42
1,2-Dichloroethane
Concen: 49.633 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 62 Resp: 140050

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0



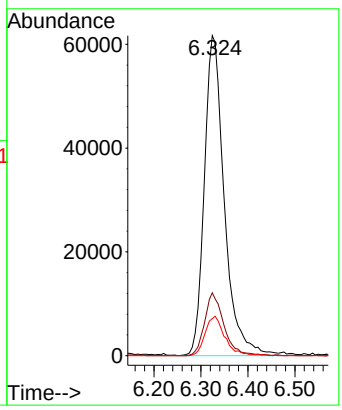


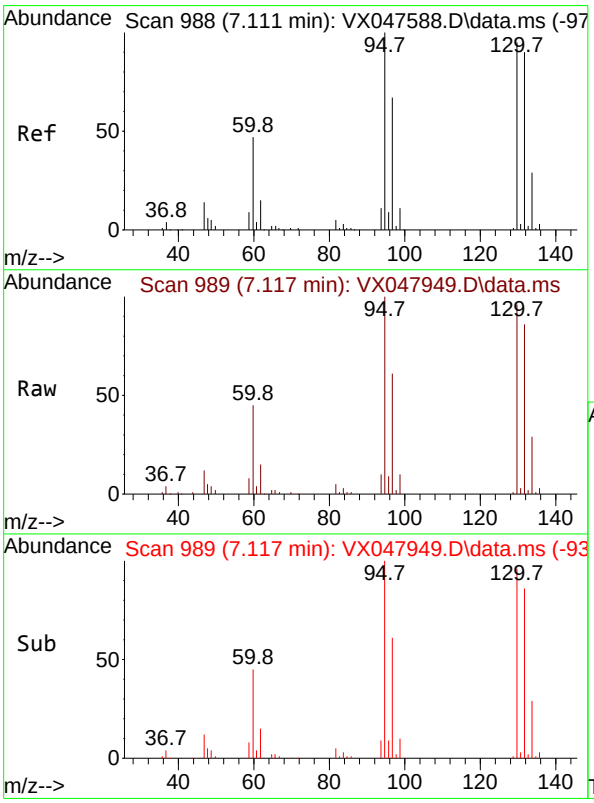
#43
Isopropyl Acetate
Concen: 42.456 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 43 Resp: 182040

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4

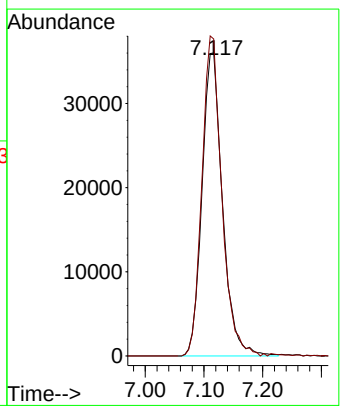


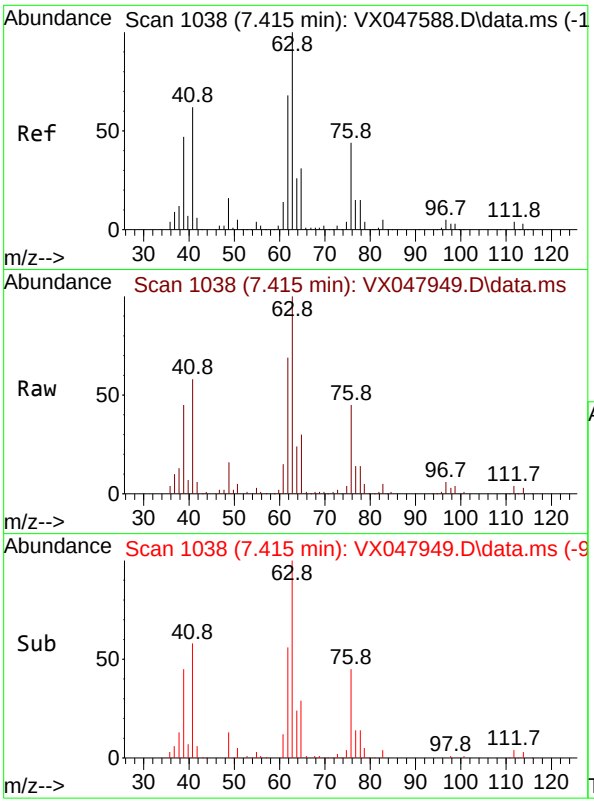


#44
Trichloroethene
Concen: 48.741 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:130 Resp: 87388

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	210.8



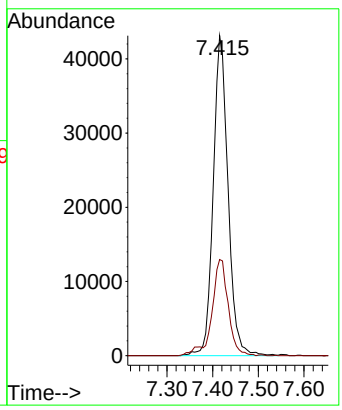


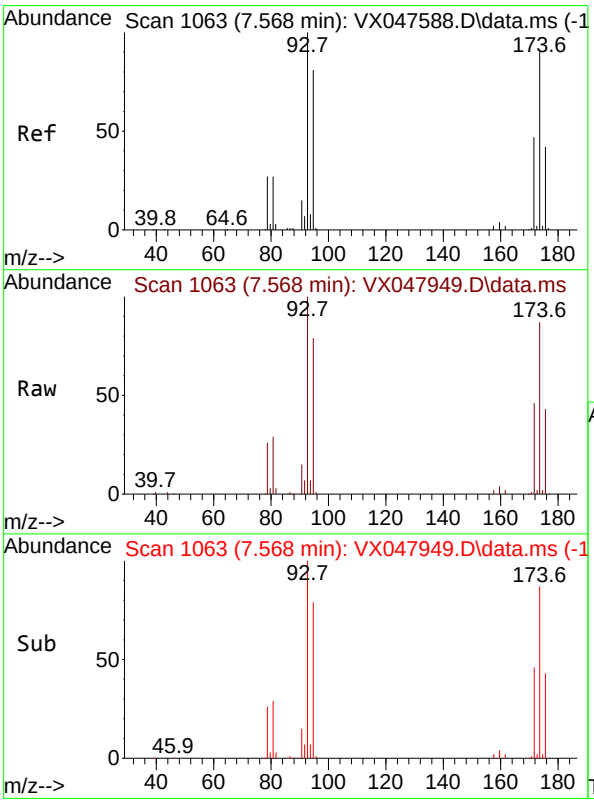
#45
1,2-Dichloropropane
Concen: 51.135 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 63 Resp: 97104

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

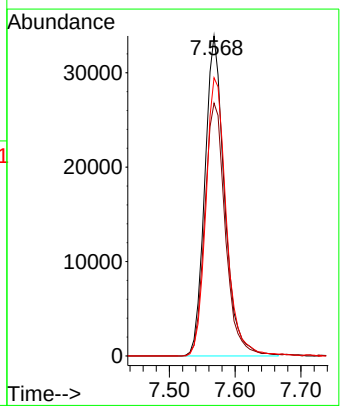


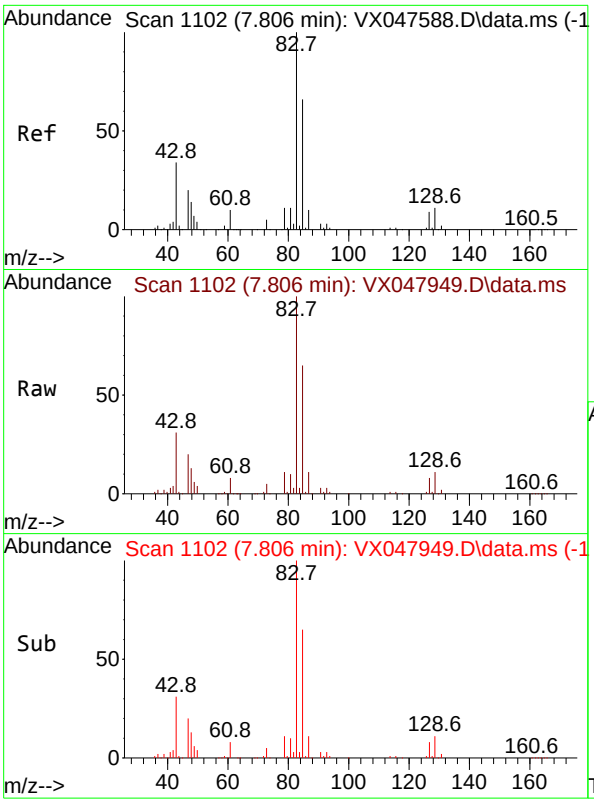


#46
Dibromomethane
Concen: 51.238 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 93 Resp: 70804

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.0	97.6
174	90.3	71.6	107.4



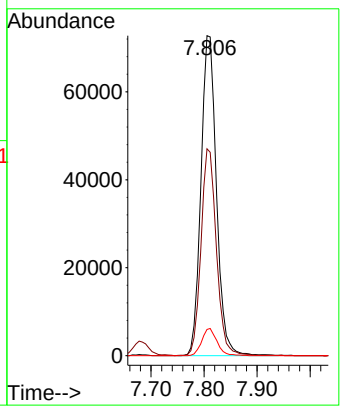


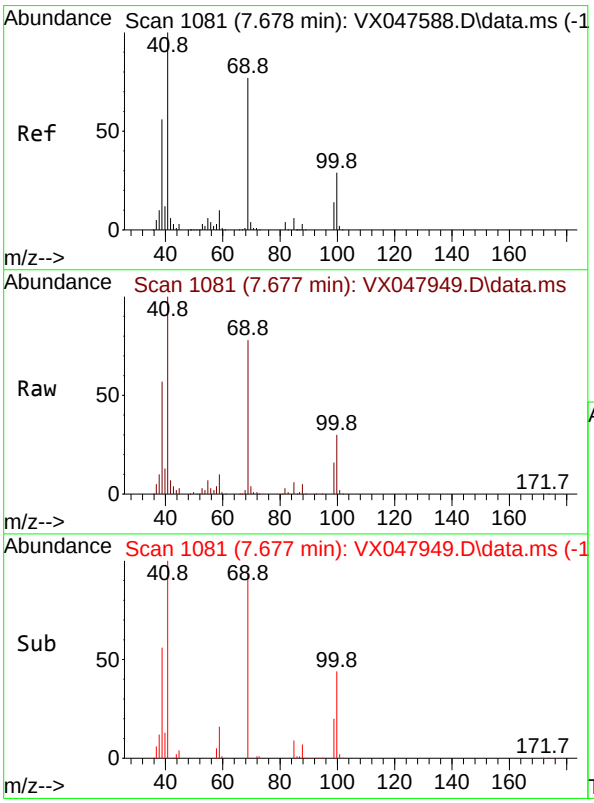
#47
Bromodichloromethane
Concen: 51.878 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 83 Resp: 147933

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.2	6.9	10.3

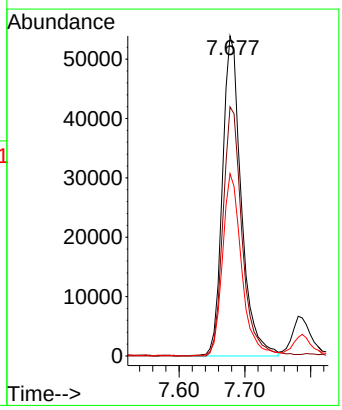


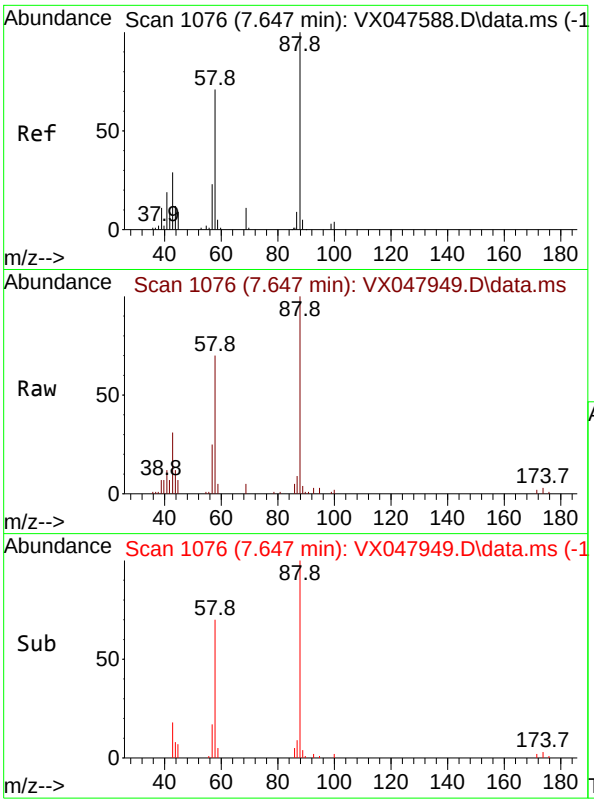


#48
Methyl methacrylate
Concen: 50.318 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 41 Resp: 107467

Ion	Ratio	Lower	Upper
41	100		
69	78.9	61.4	92.2
39	57.8	45.8	68.6



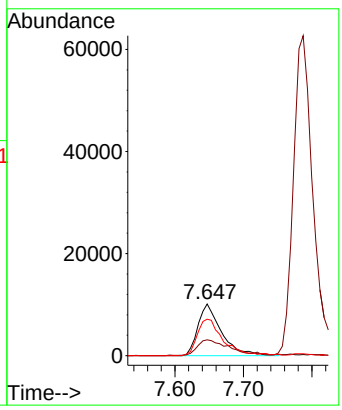


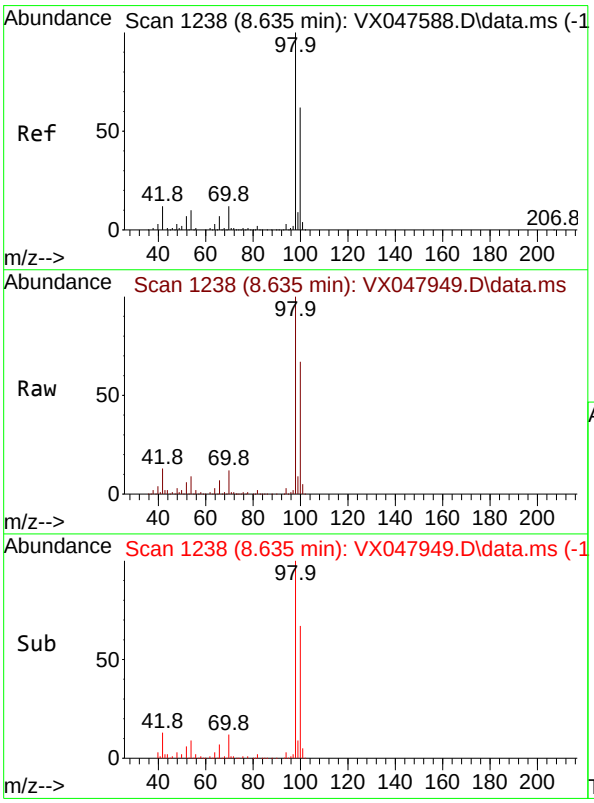
#49
1,4-Dioxane
Concen: 1121.156 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 88 Resp: 24199

Ion	Ratio	Lower	Upper
88	100		
43	42.4	30.2	45.2
58	77.0	59.5	89.3

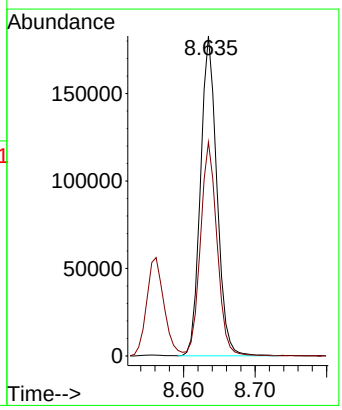


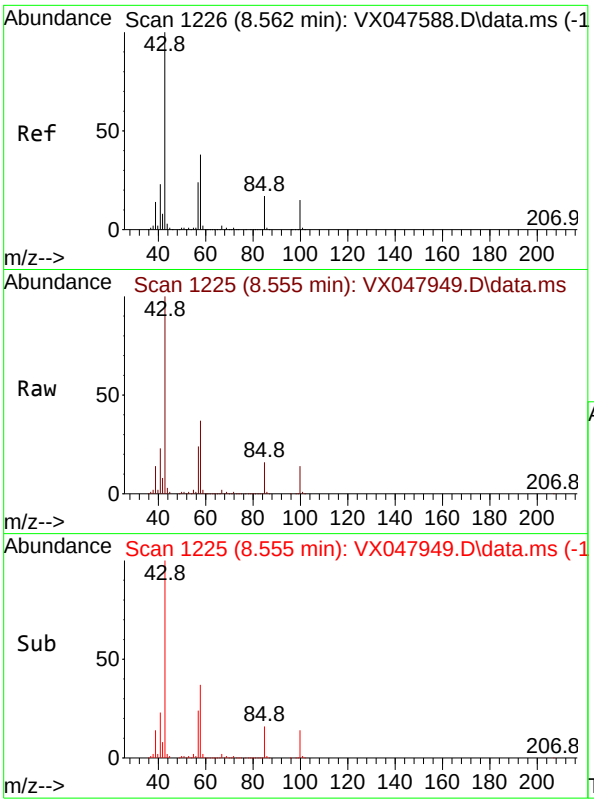


#50
Toluene-d8
Concen: 50.348 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 98 Resp: 291109

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4



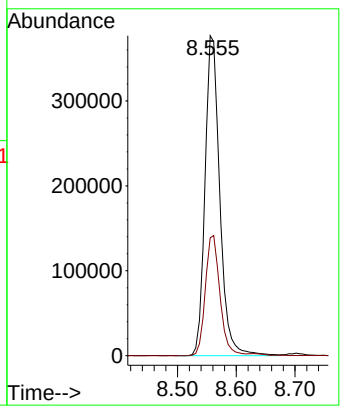


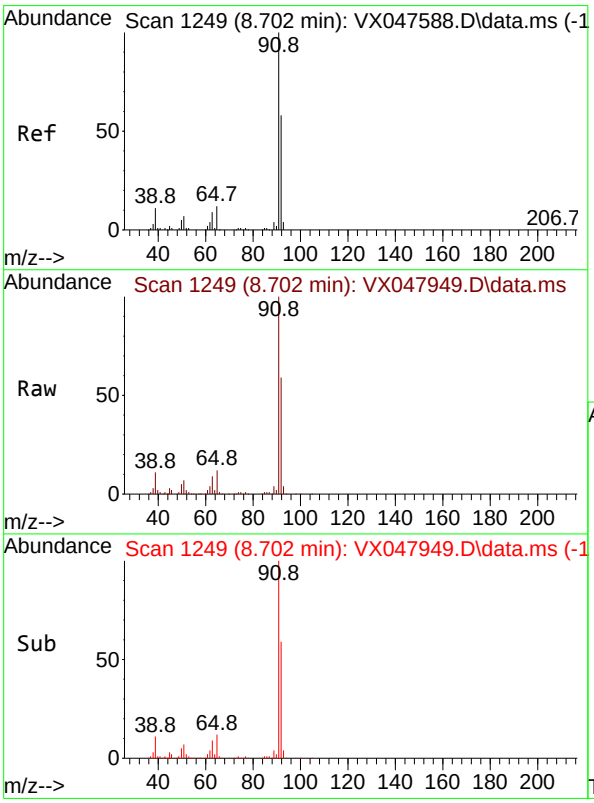
#51
4-Methyl-2-Pentanone
Concen: 277.632 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 43 Resp: 660010

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.3	45.5

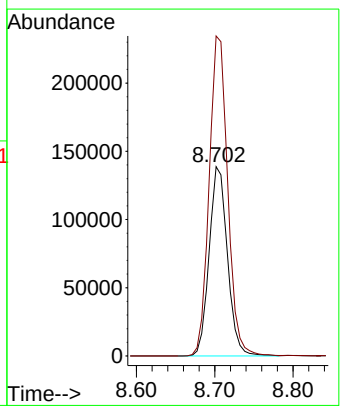


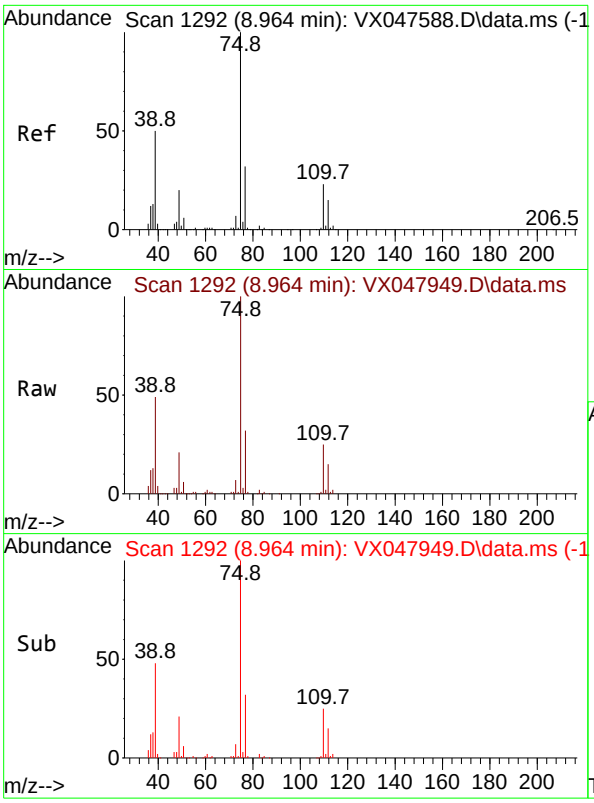


#52
Toluene
Concen: 49.254 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 92 Resp: 225040

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7



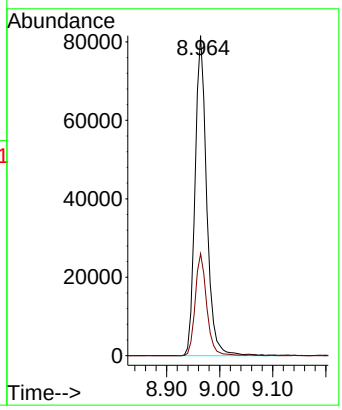


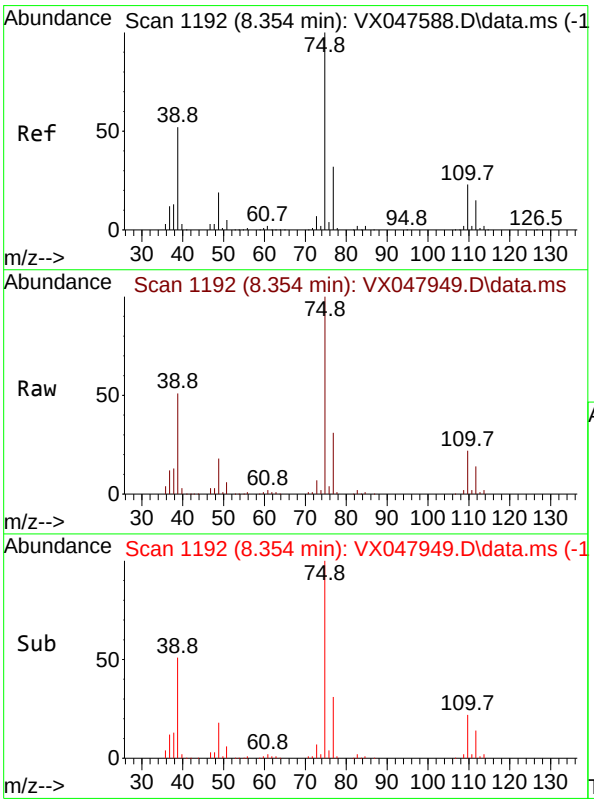
#53
t-1,3-Dichloropropene
Concen: 42.670 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 75 Resp: 124111

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

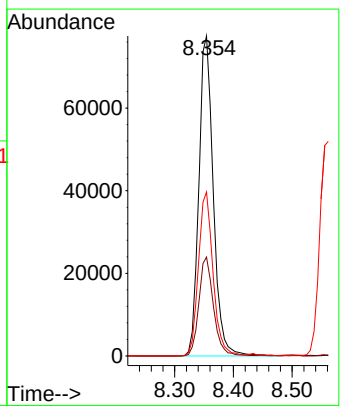


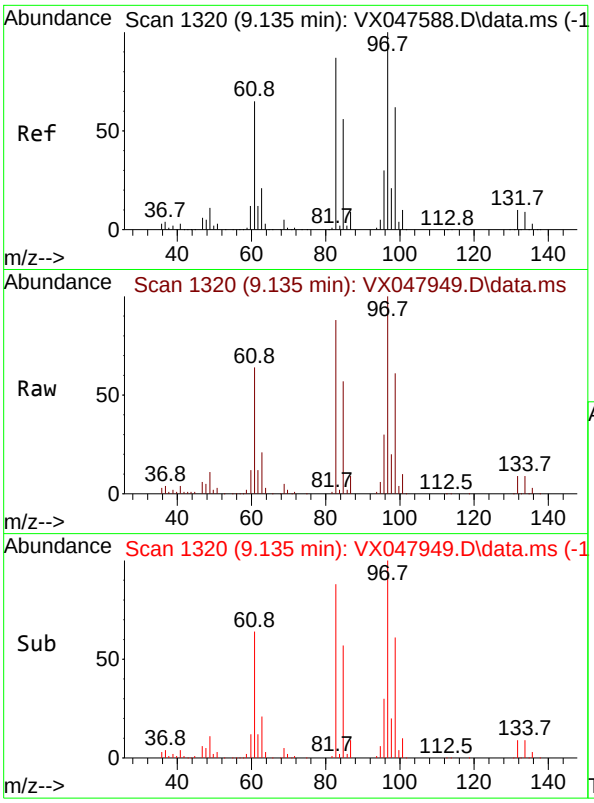


#54
cis-1,3-Dichloropropene
Concen: 42.554 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 132296

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	51.1	41.4	62.2



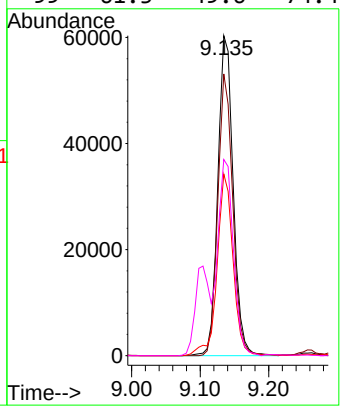


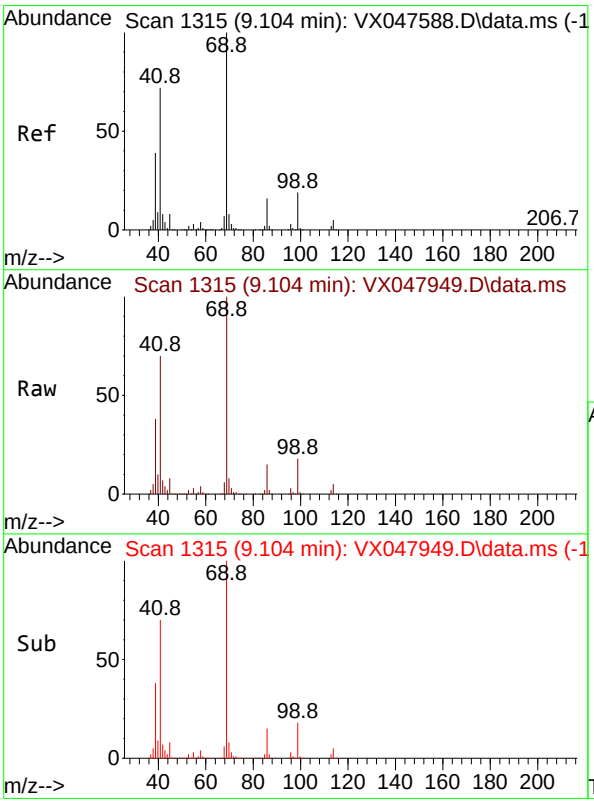
#55
1,1,2-Trichloroethane
Concen: 53.032 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 97 Resp: 93431

Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.6	104.4
85	56.7	45.0	67.6
99	61.3	49.6	74.4

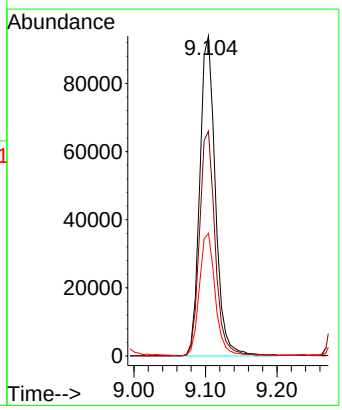


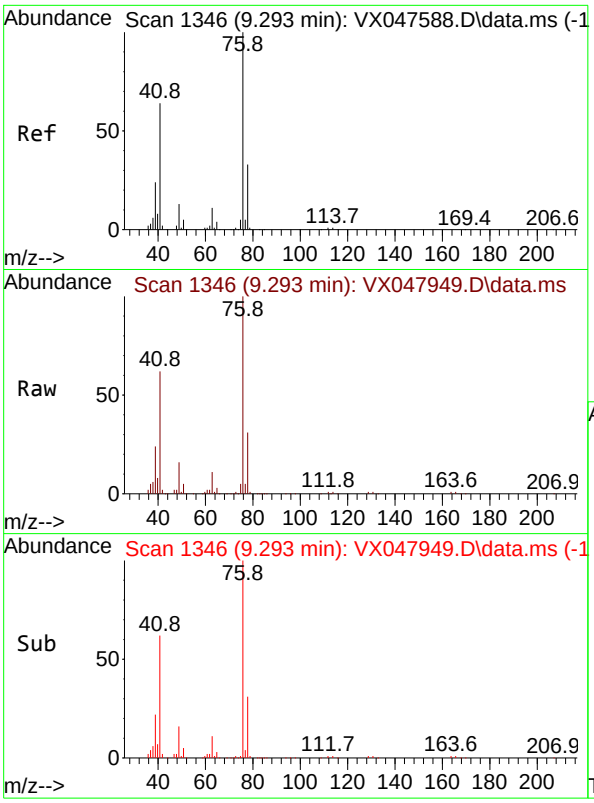


#56
Ethyl methacrylate
Concen: 51.618 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 69 Resp: 142817

Ion	Ratio	Lower	Upper
69	100		
41	70.0	58.6	87.8
39	38.8	31.5	47.3



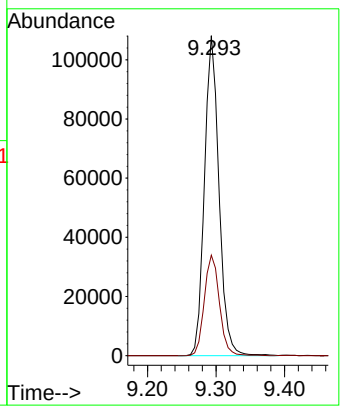


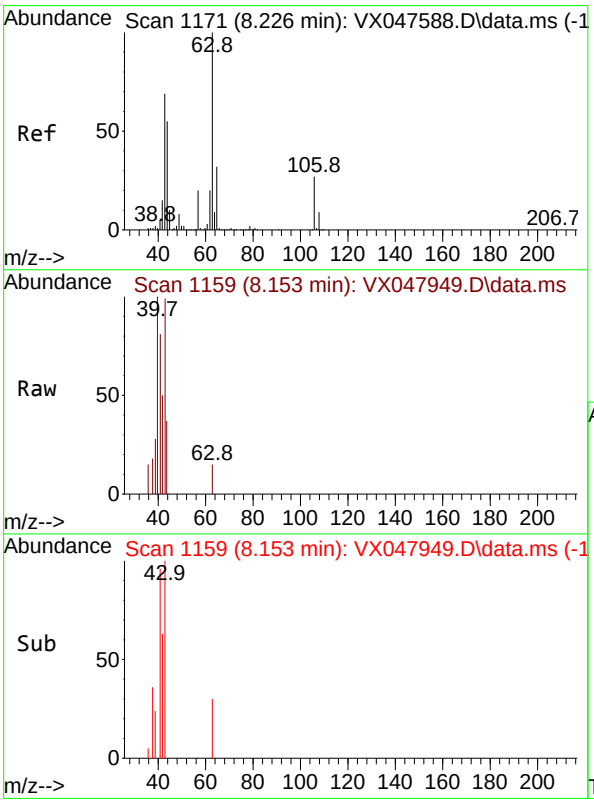
#57
1,3-Dichloropropane
Concen: 52.736 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 76 Resp: 159601

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

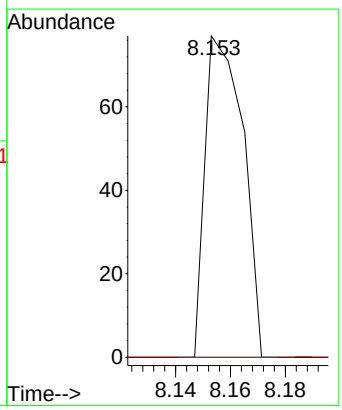


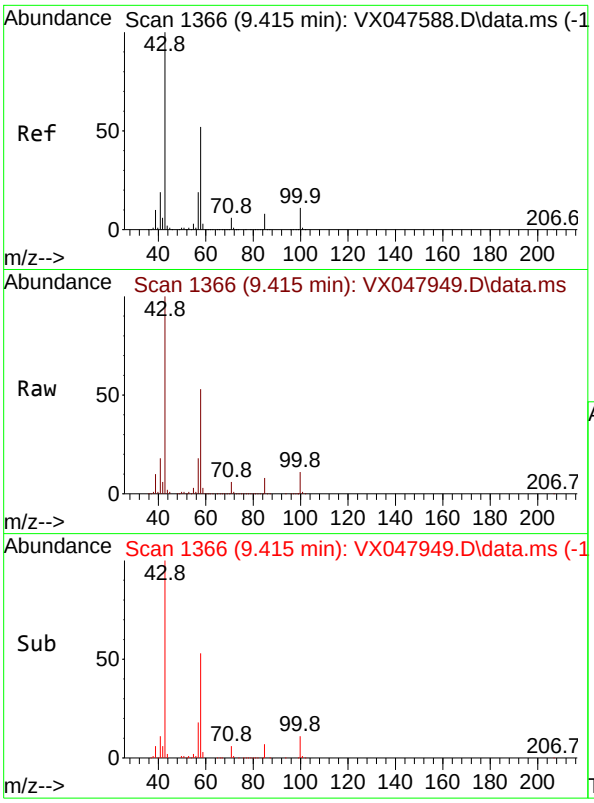


#58
2-Chloroethyl Vinyl ether
Concen: 7.949 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 63 Resp: 74

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#



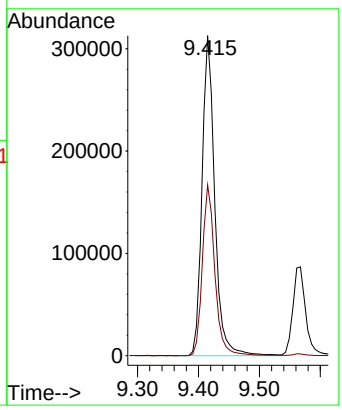


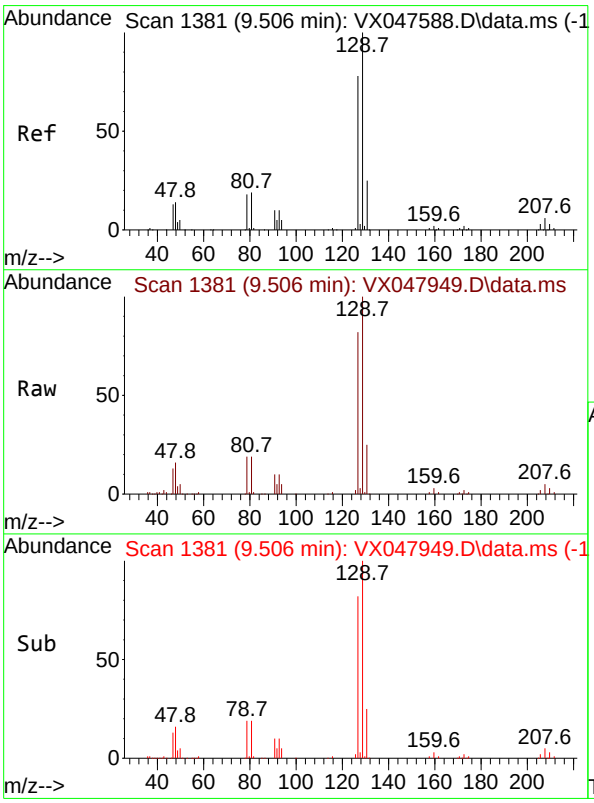
#59
2-Hexanone
Concen: 265.237 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 43 Resp: 452858

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

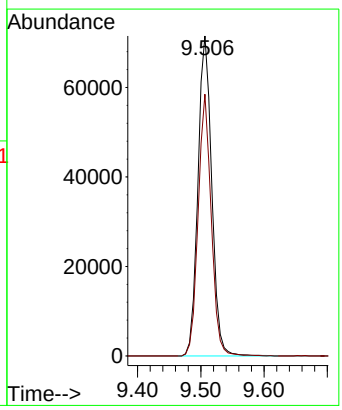


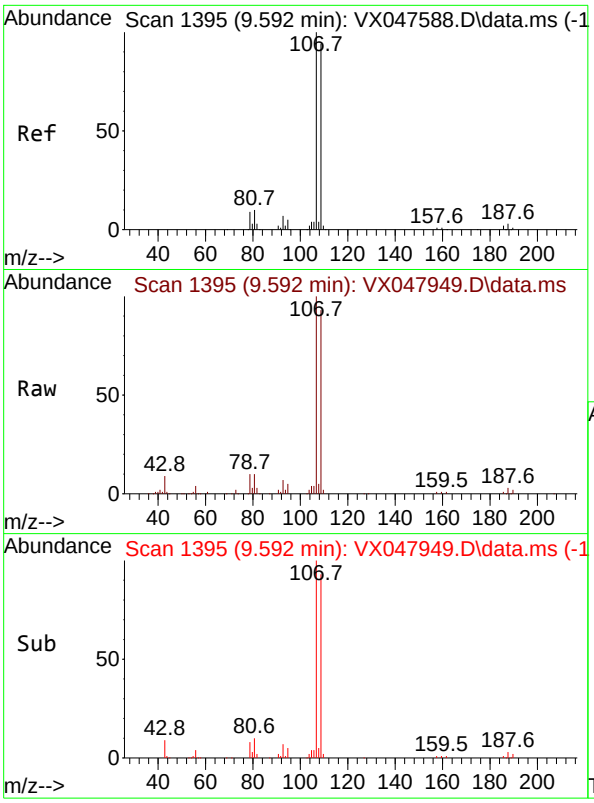


#60
Dibromochloromethane
Concen: 53.548 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:129 Resp: 108700

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



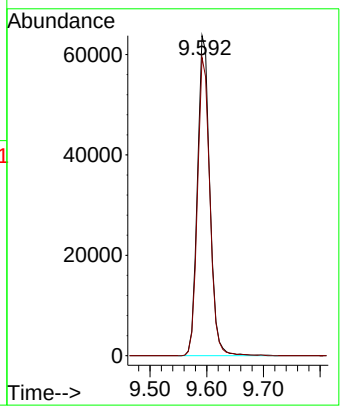


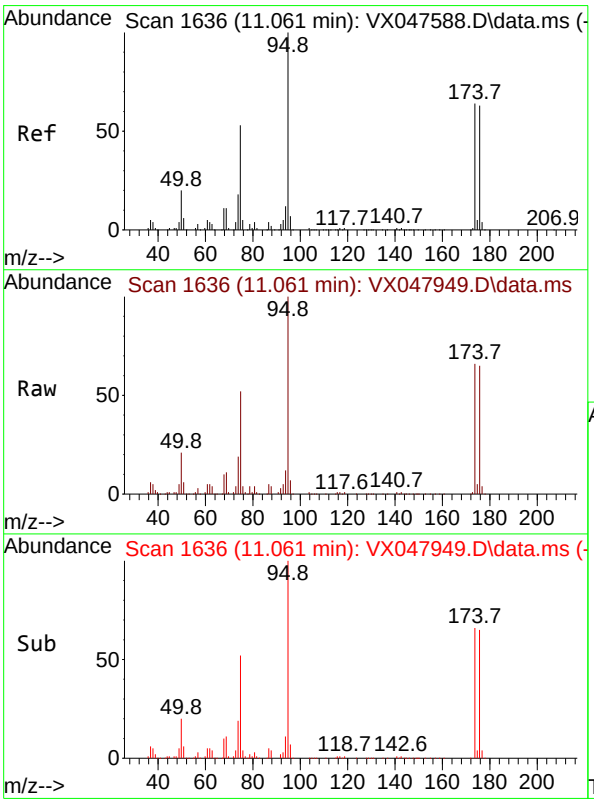
#61
1,2-Dibromoethane
Concen: 53.730 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:107 Resp: 96416

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

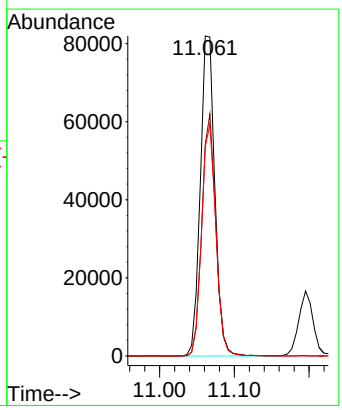


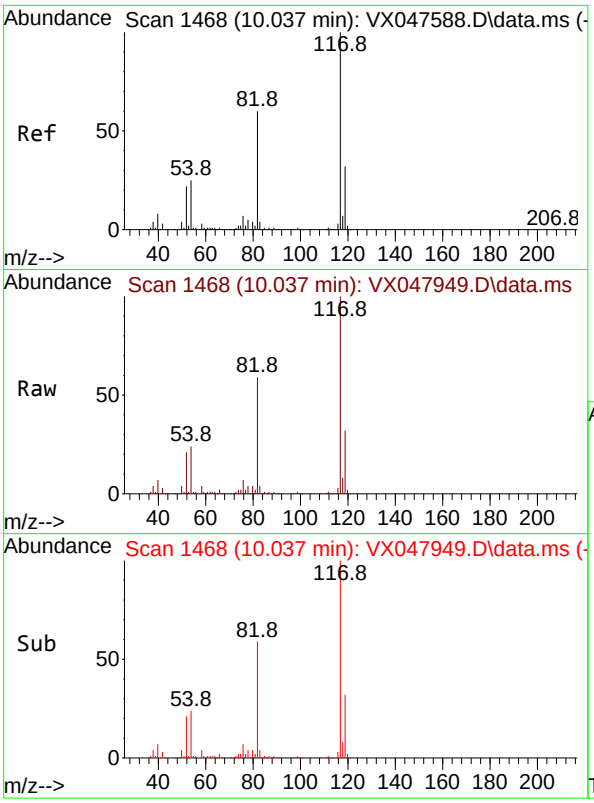


#62
4-Bromofluorobenzene
Concen: 50.316 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 95 Resp: 110409

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	70.8	0.0	138.4



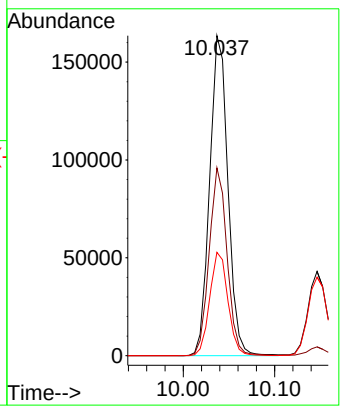


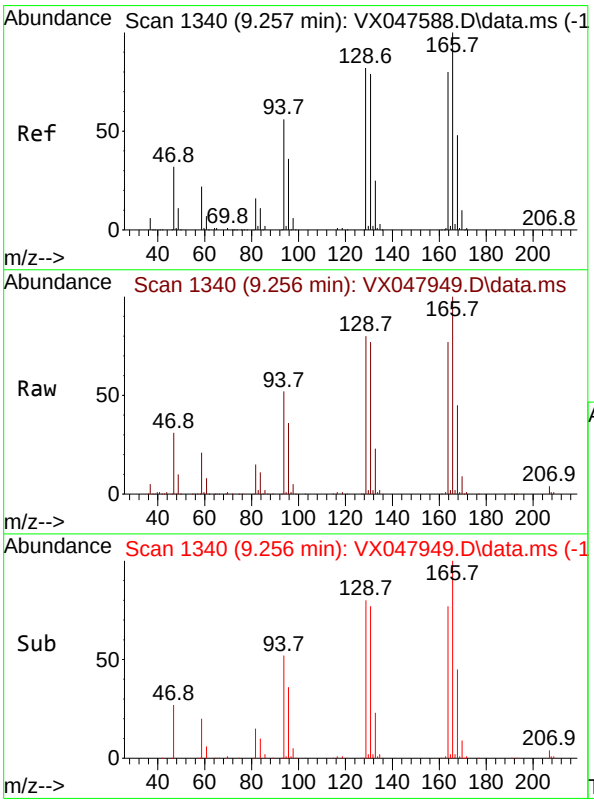
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:117 Resp: 226618

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.6
119	32.3	25.2	37.8

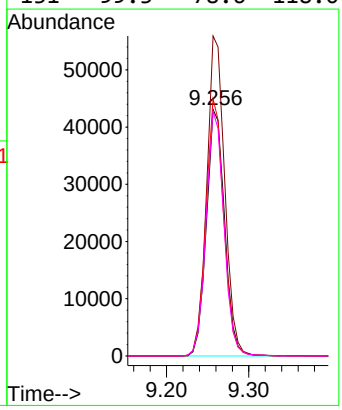


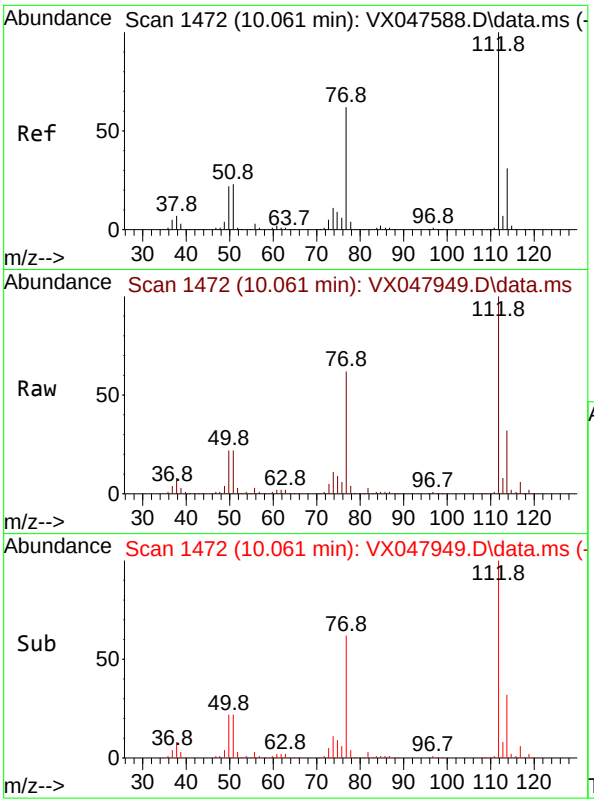


#64
Tetrachloroethene
Concen: 44.693 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:164 Resp: 66025

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	104.3	81.8	122.6
131	99.3	78.6	118.0



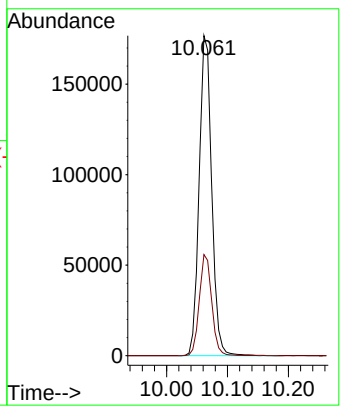


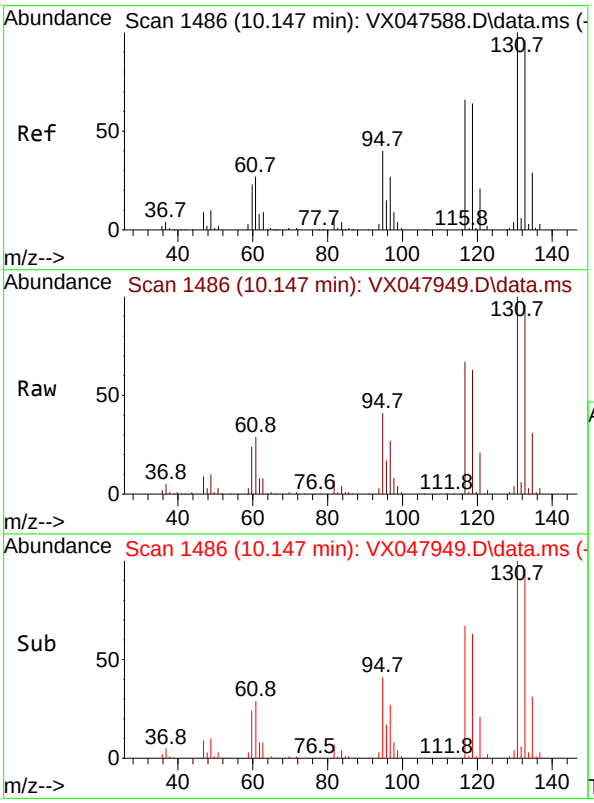
#65
Chlorobenzene
Concen: 49.011 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:112 Resp: 252327

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.1	37.7

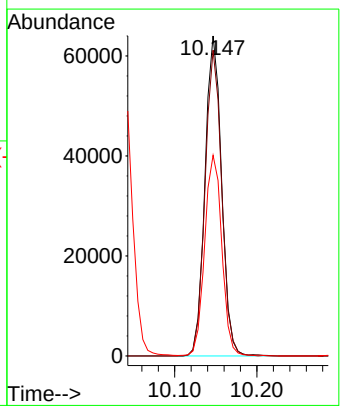


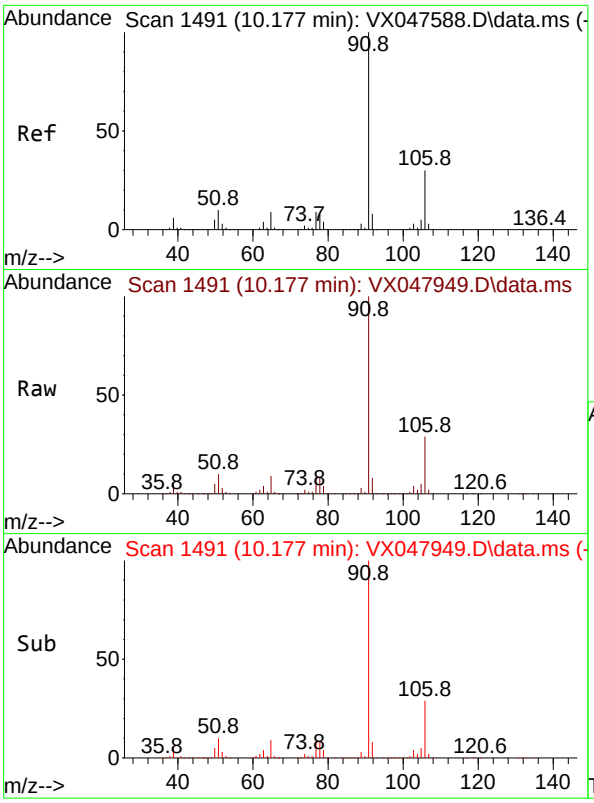


#66
1,1,1,2-Tetrachloroethane
Concen: 50.504 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:131 Resp: 89722

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	142.0
119	64.9	32.0	96.0



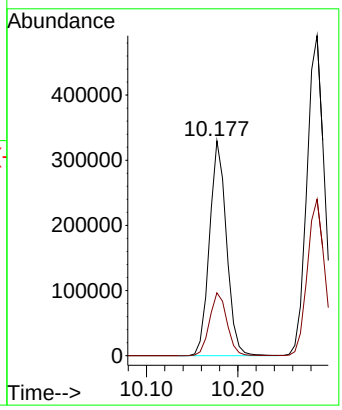


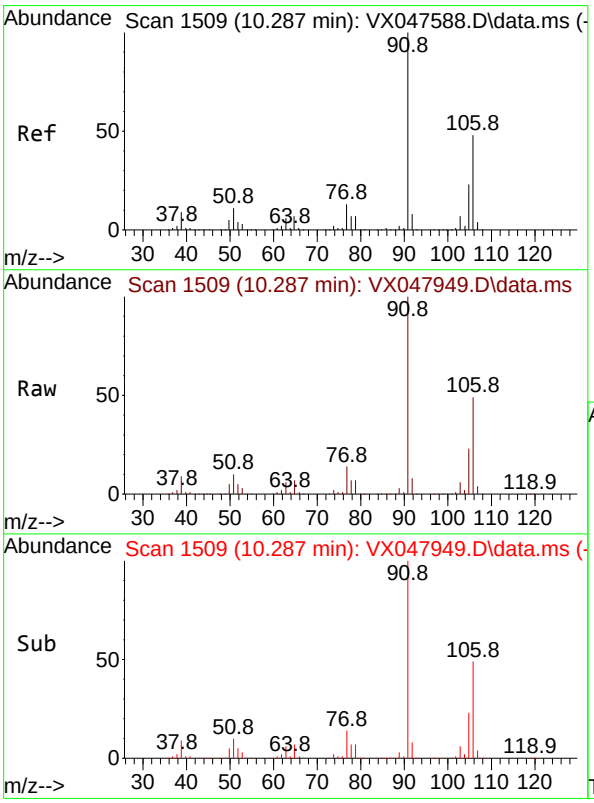
#67
Ethyl Benzene
Concen: 47.787 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 91 Resp: 424497

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

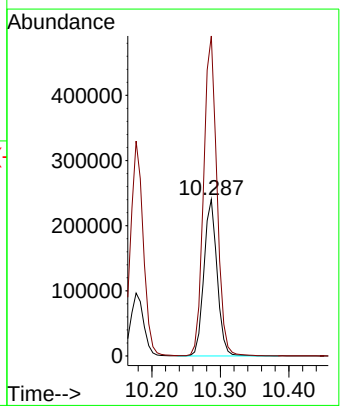


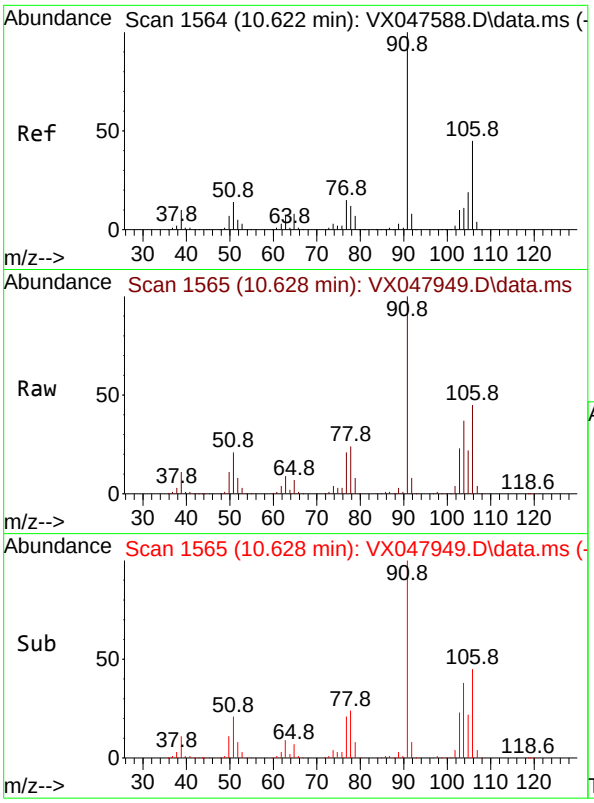


#68
m/p-Xylenes
Concen: 97.233 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:106 Resp: 321485

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.8	251.8



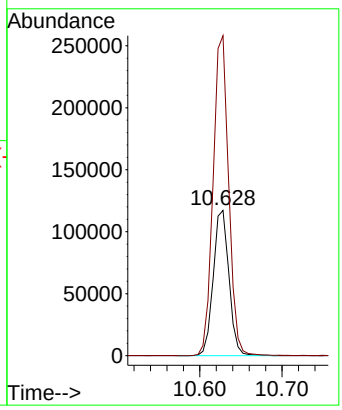


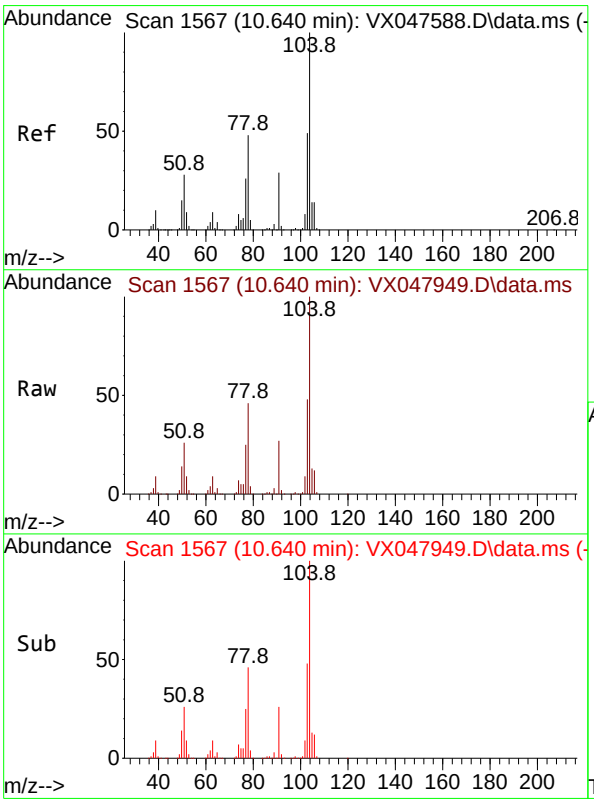
#69
o-Xylene
Concen: 48.642 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:106 Resp: 155556

Ion	Ratio	Lower	Upper
106	100		
91	218.7	111.1	333.4

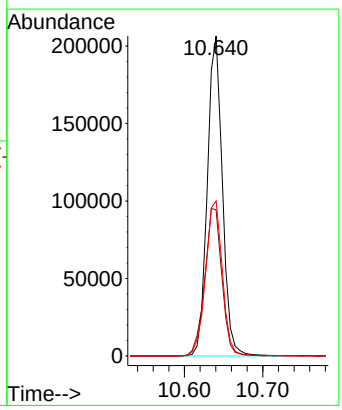


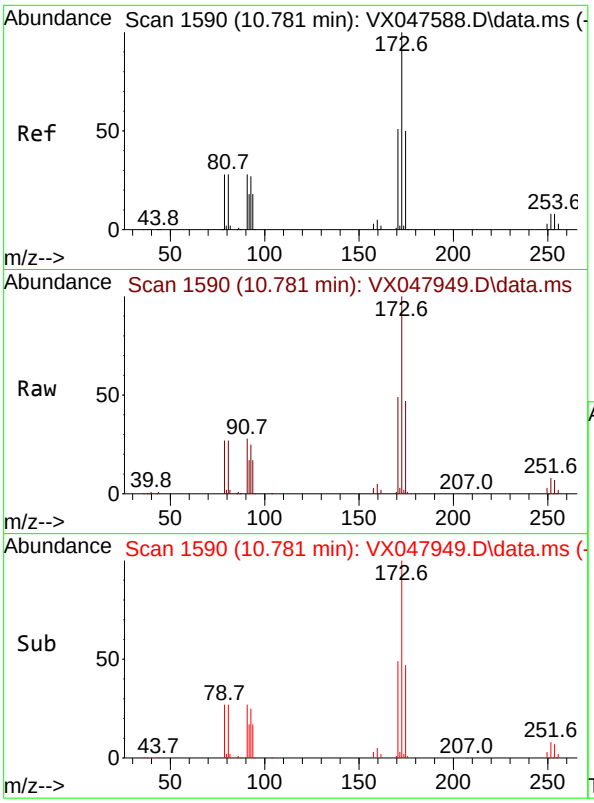


#70
Styrene
Concen: 49.124 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:104 Resp: 275268

Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.1	64.7
103	54.0	43.1	64.7





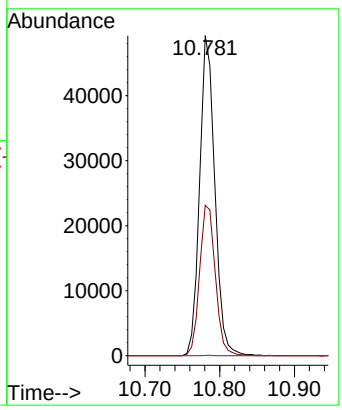
#71
Bromoform
Concen: 52.409 ug/l
RT: 10.781 min Scan# 1

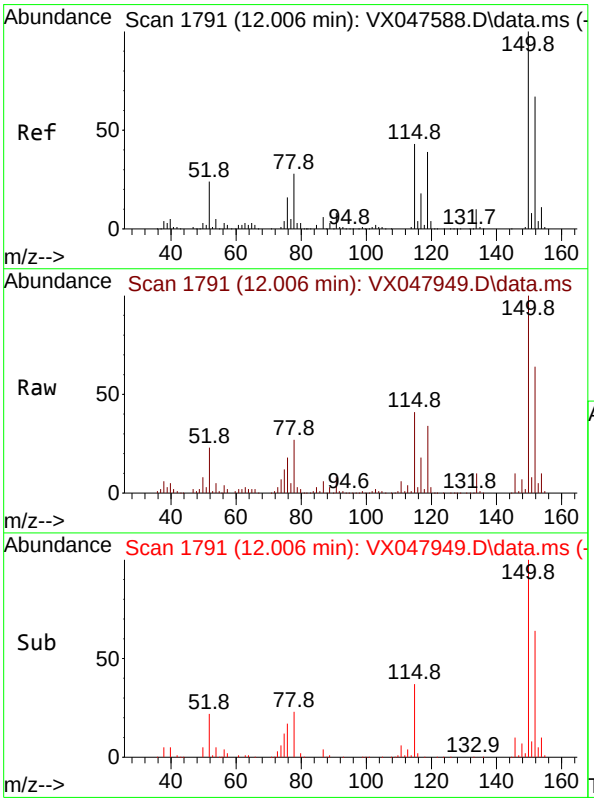
Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:173 Resp: 69522

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.6
254	0.1	0.1	0.1#

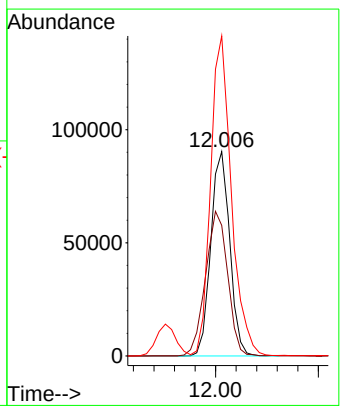


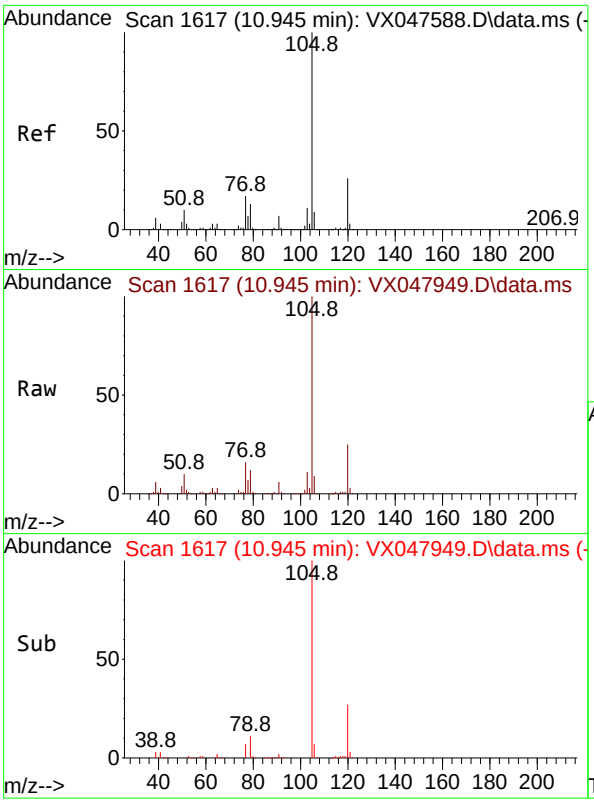


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:152 Resp: 115324

Ion	Ratio	Lower	Upper
152	100		
115	82.9	44.9	134.5
150	171.5	0.0	352.0



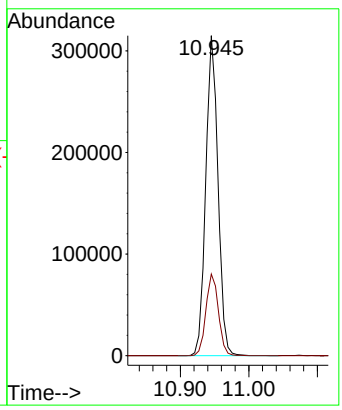


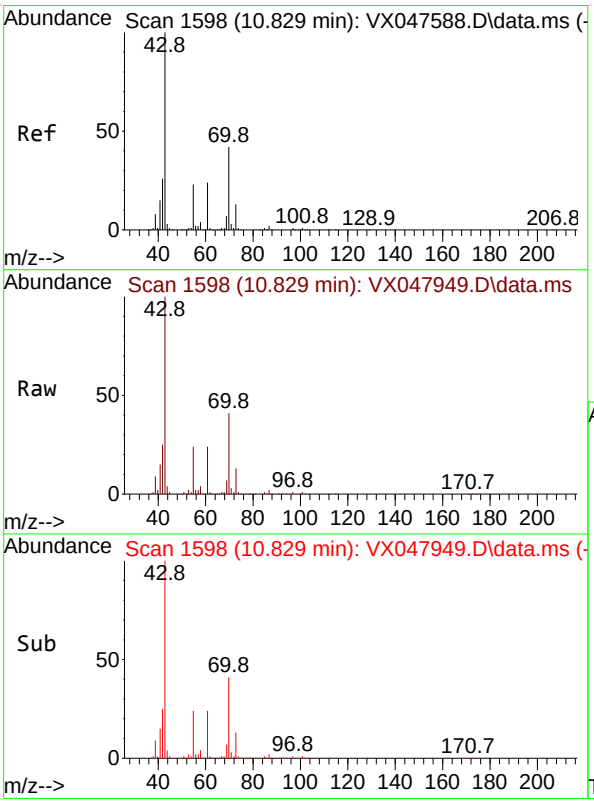
#73
Isopropylbenzene
Concen: 44.613 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:105 Resp: 391154

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

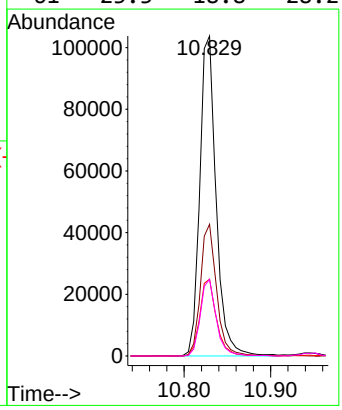


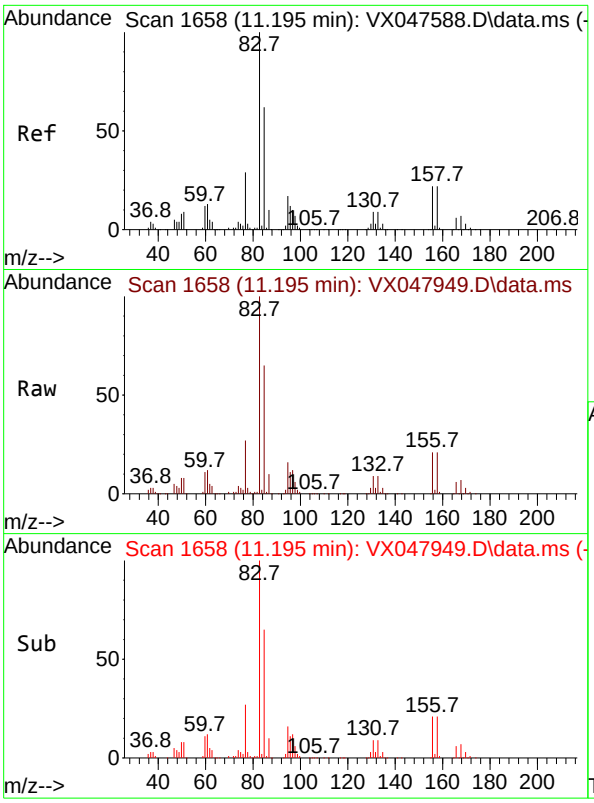


#74
N-amyl acetate
Concen: 34.016 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 43 Resp: 136001

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.0	48.0
55	24.5	18.9	28.3
61	23.3	18.8	28.2



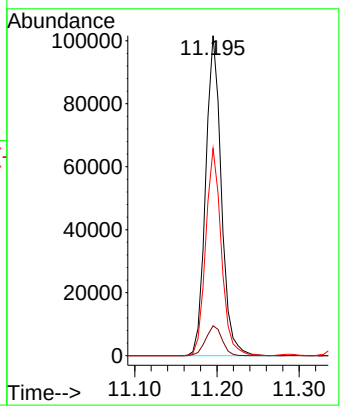


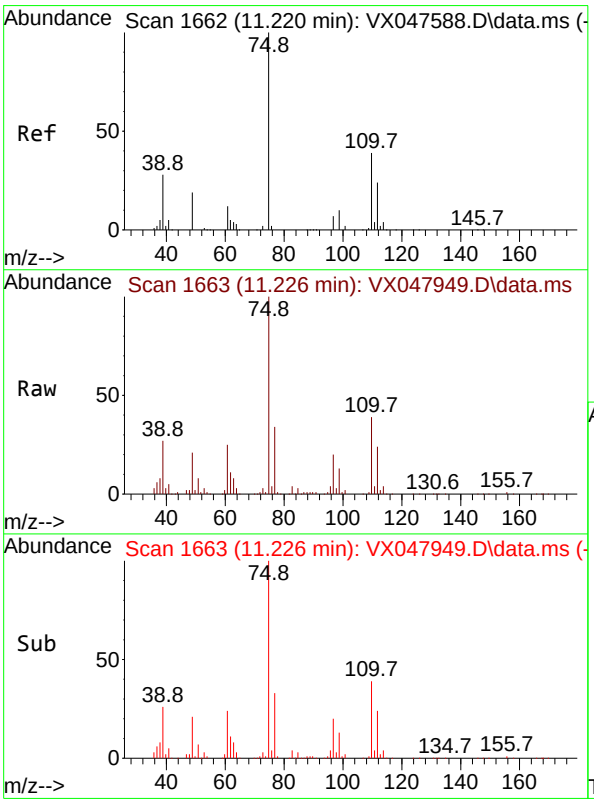
#75
1,1,2,2-Tetrachloroethane
Concen: 50.588 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 83 Resp: 134192

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.8	31.6	95.0

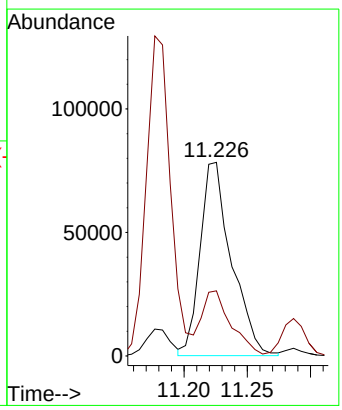


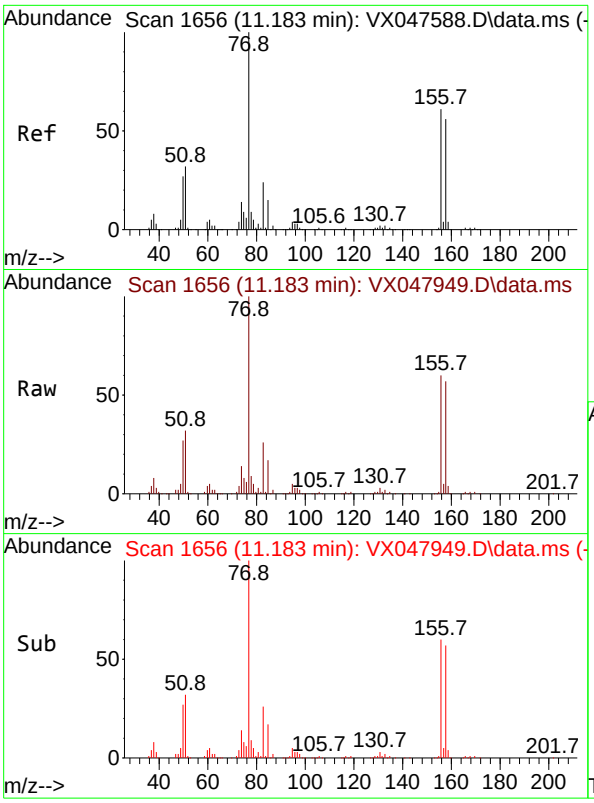


#76
1,2,3-Trichloropropane
Concen: 57.933 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 135270

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



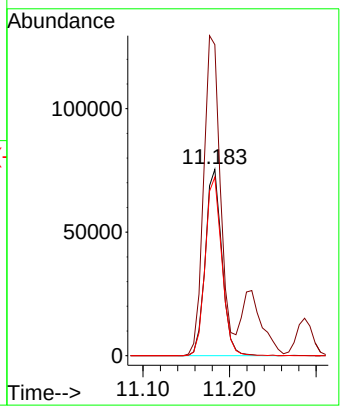


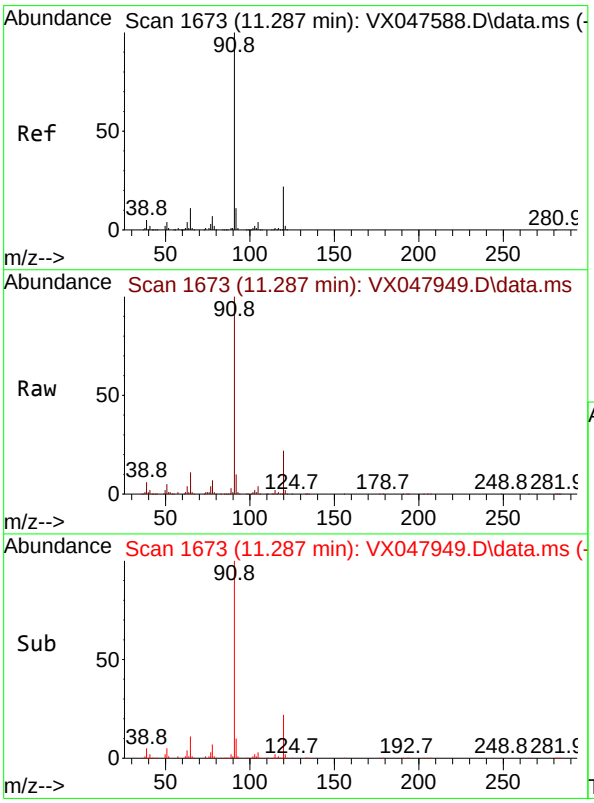
#77
Bromobenzene
Concen: 46.187 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:156 Resp: 99736

Ion	Ratio	Lower	Upper
156	100		
77	175.7	89.7	269.1
158	96.6	47.9	143.6

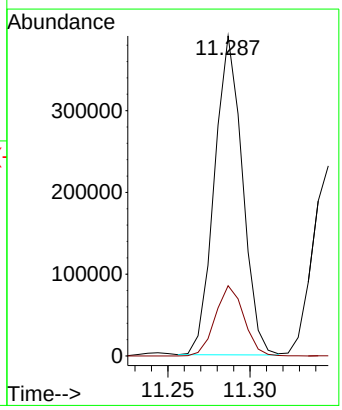


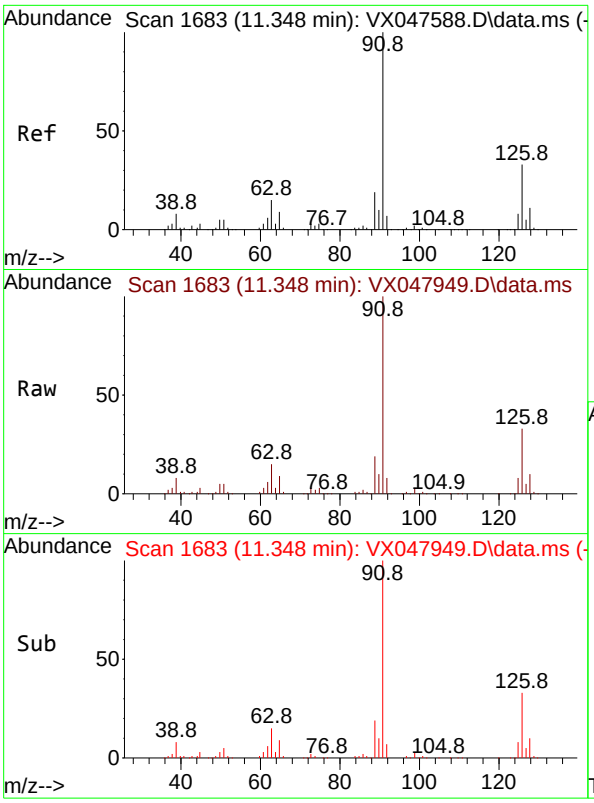


#78
n-propylbenzene
Concen: 44.572 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 461966

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



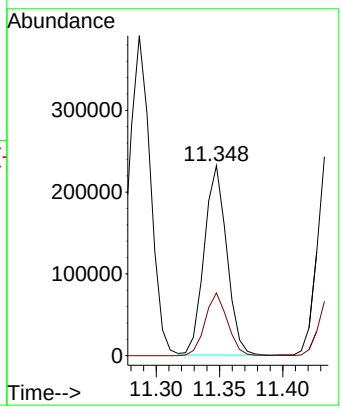


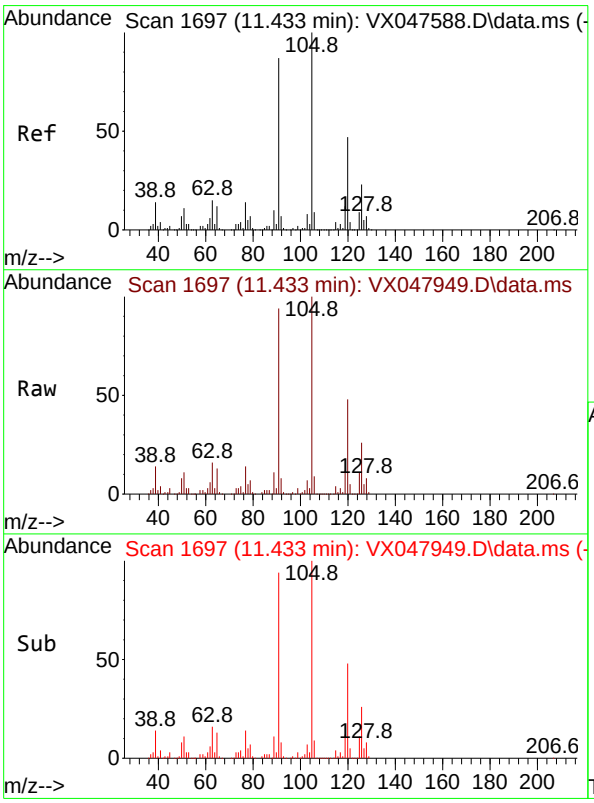
#79
2-Chlorotoluene
Concen: 45.348 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 91 Resp: 287872

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

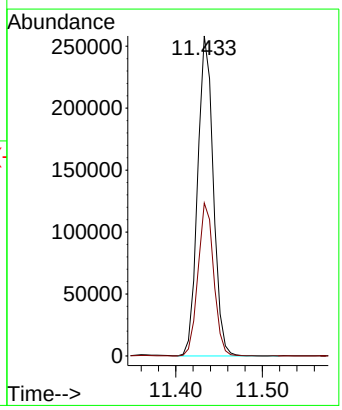


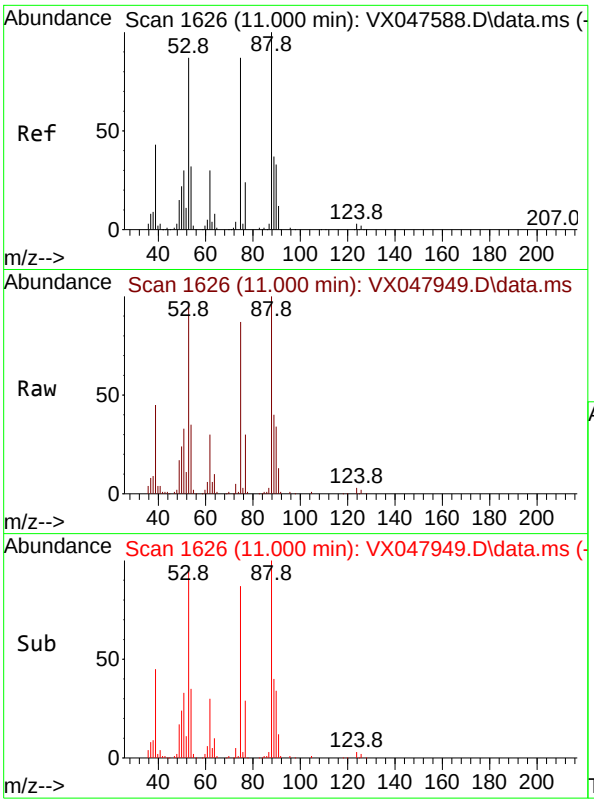


#80
1,3,5-Trimethylbenzene
Concen: 44.942 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:105 Resp: 323736

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



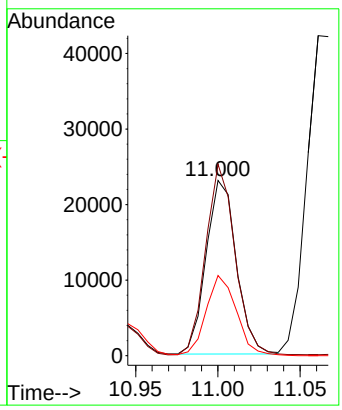


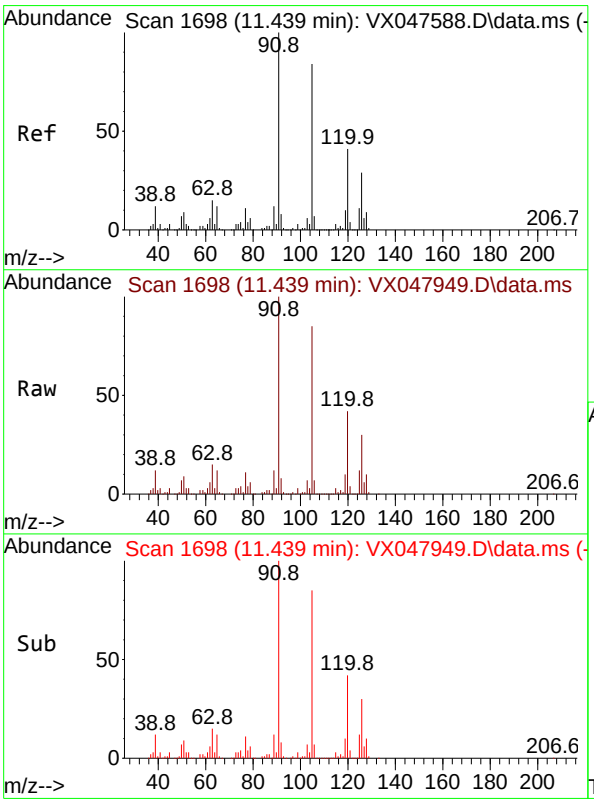
#81
trans-1,4-Dichloro-2-butene
Concen: 32.221 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 75 Resp: 29502

Ion	Ratio	Lower	Upper
75	100		
53	108.5	83.4	125.2
89	46.2	36.3	54.5

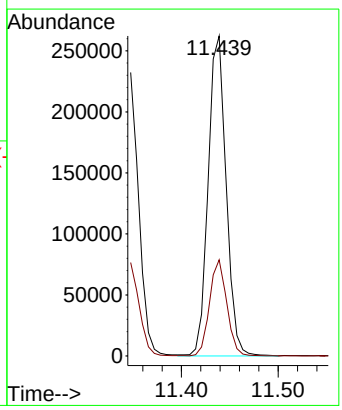


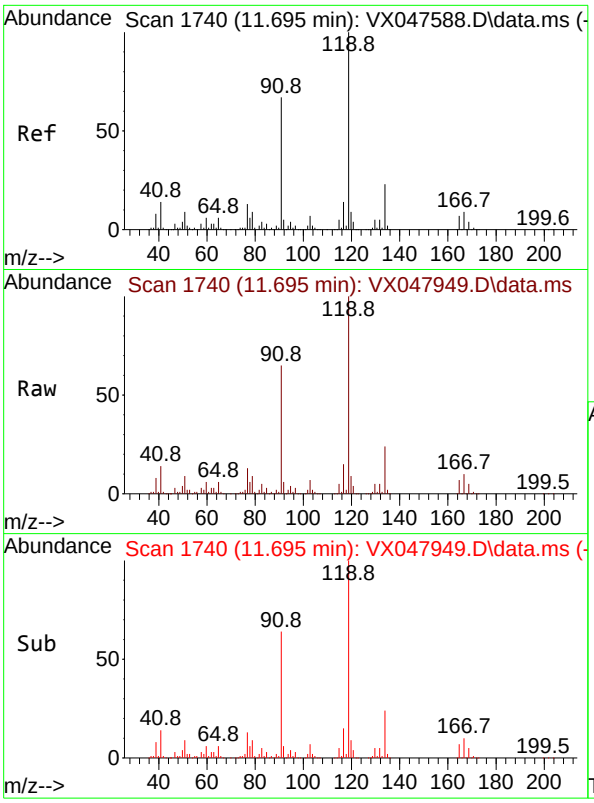


#82
4-Chlorotoluene
Concen: 45.122 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 91 Resp: 338296

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6



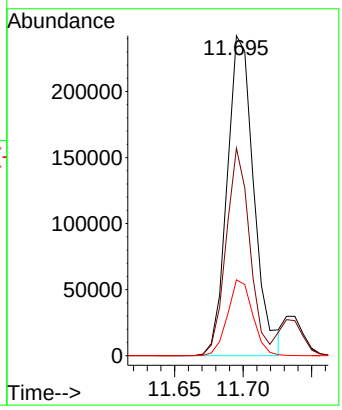


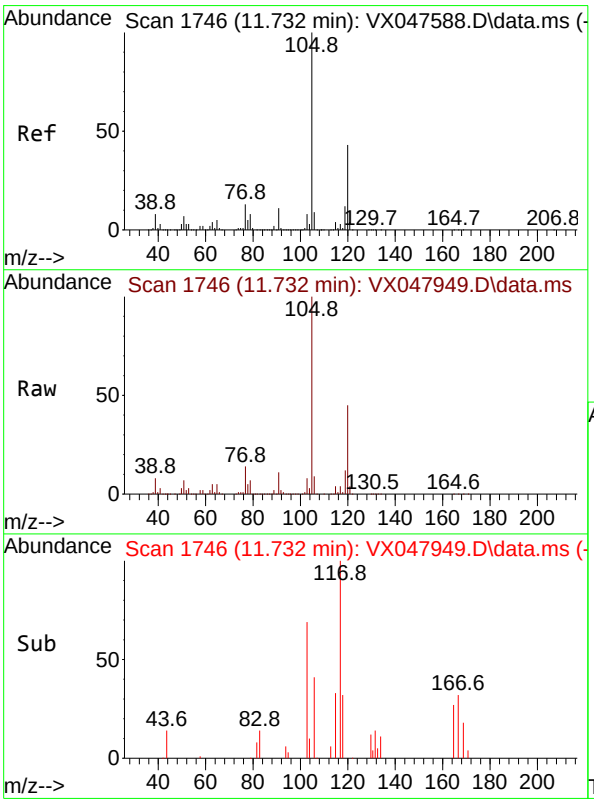
#83
tert-Butylbenzene
Concen: 44.573 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:119 Resp: 328678

Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.6	88.8
134	22.3	11.0	33.0

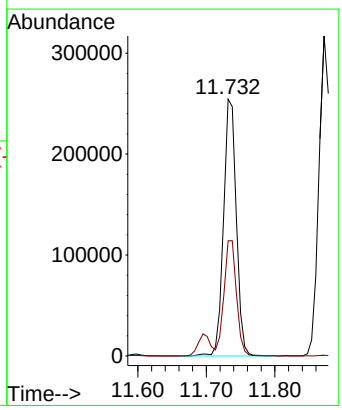


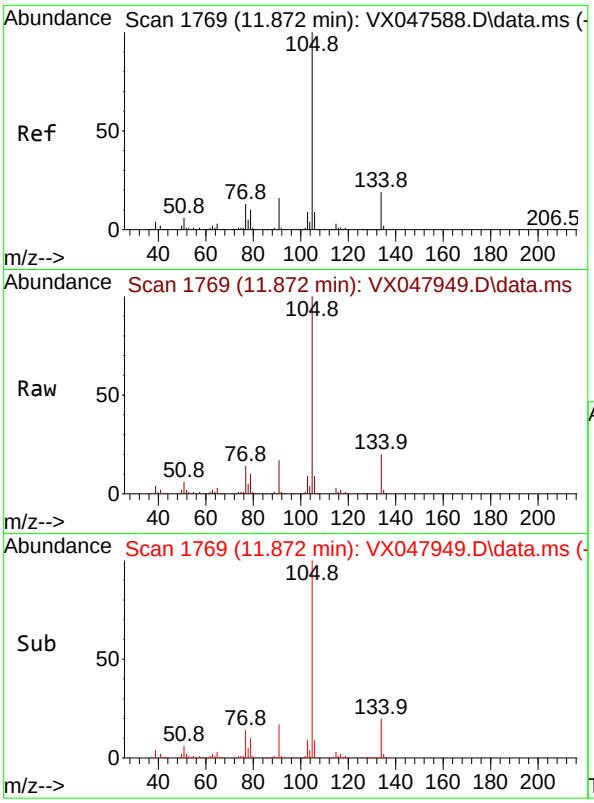


#84
1,2,4-Trimethylbenzene
Concen: 44.909 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:105 Resp: 327974

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1



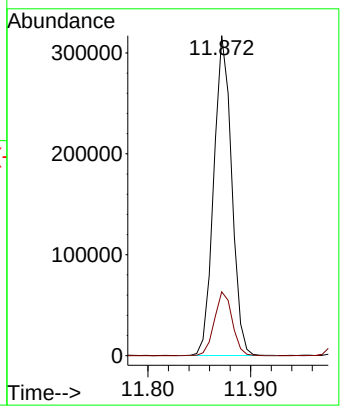


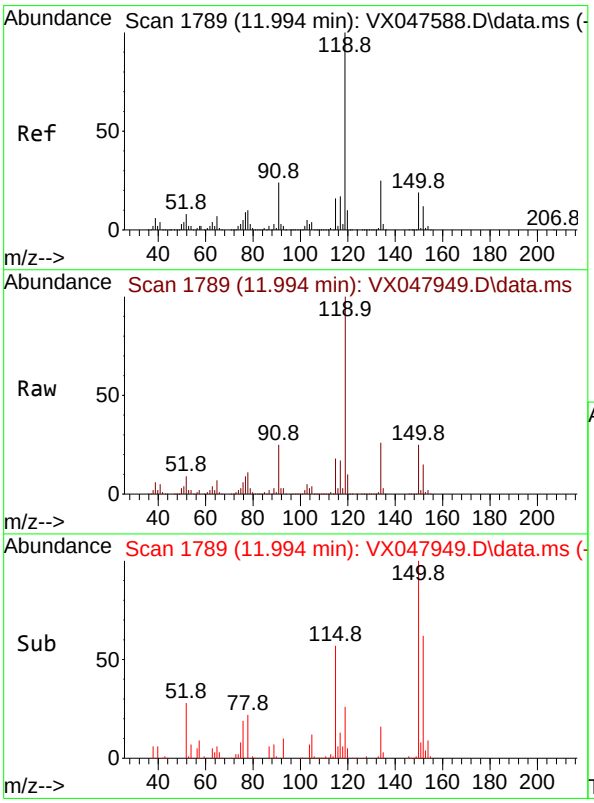
#85
sec-Butylbenzene
Concen: 43.689 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:105 Resp: 382662

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

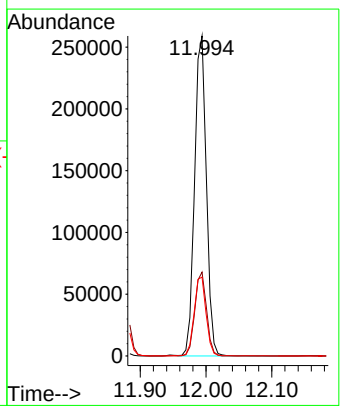


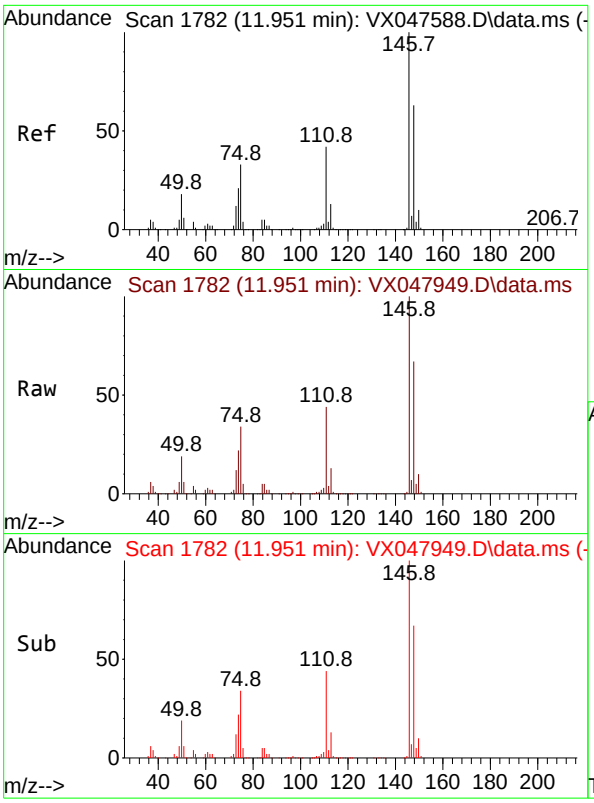


#86
p-Isopropyltoluene
Concen: 43.174 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:119 Resp: 320143

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.1	12.6	37.6



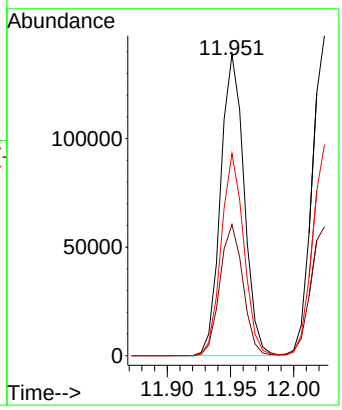


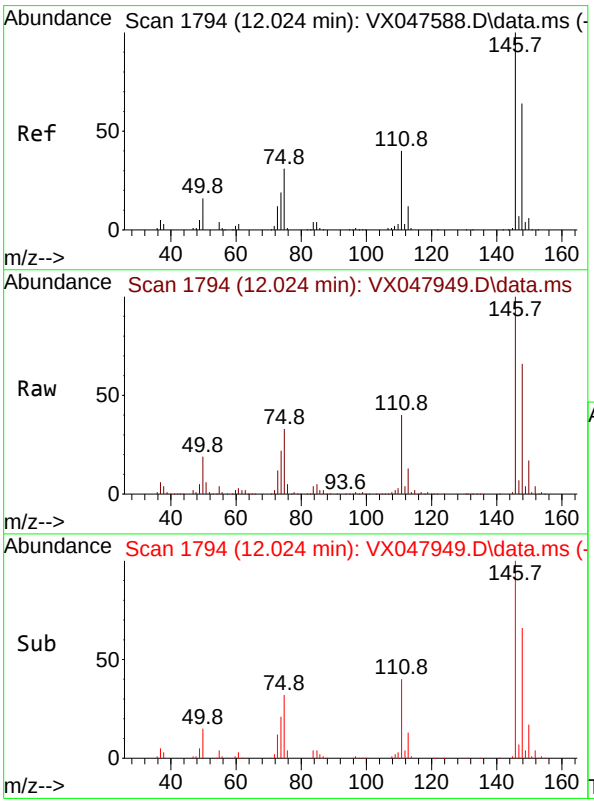
#87
1,3-Dichlorobenzene
Concen: 44.550 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:146 Resp: 178688

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.7	32.0	96.0

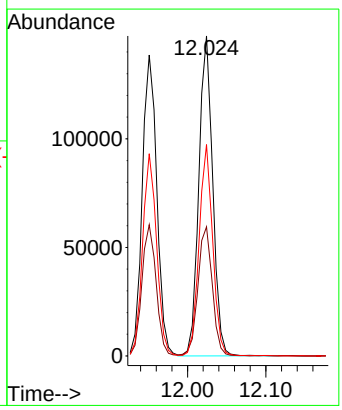


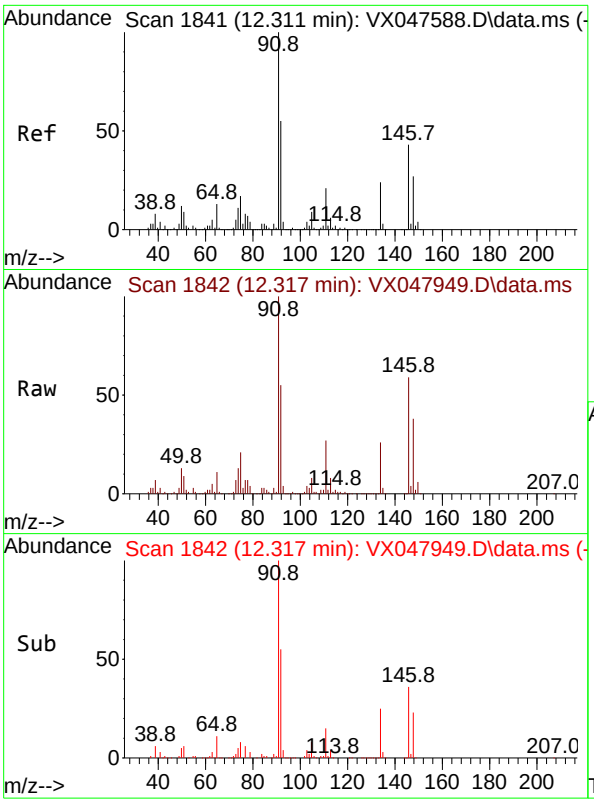


#88
1,4-Dichlorobenzene
Concen: 44.044 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:146 Resp: 181313

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.5	31.7	95.1



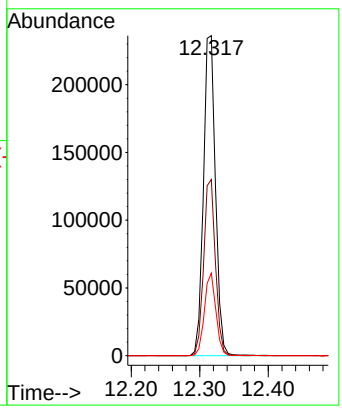


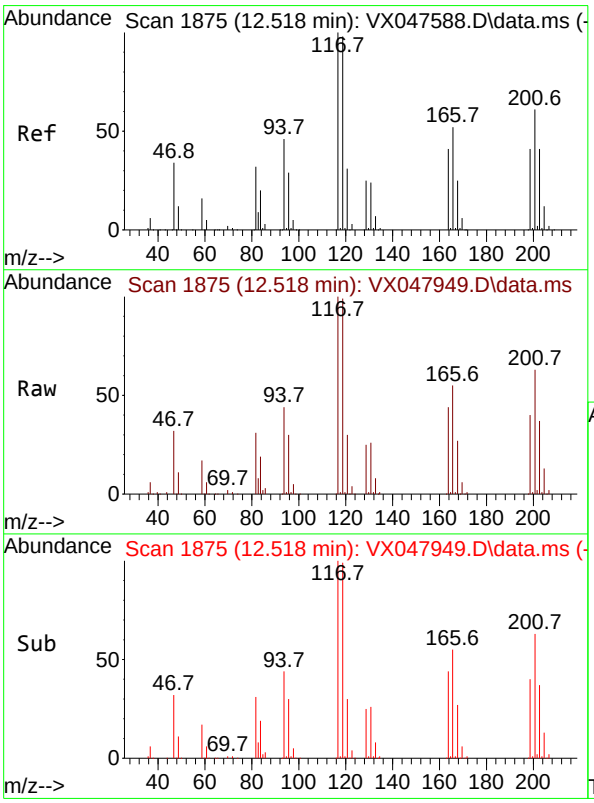
#89
n-Butylbenzene
Concen: 42.042 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion: 91 Resp: 288466

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

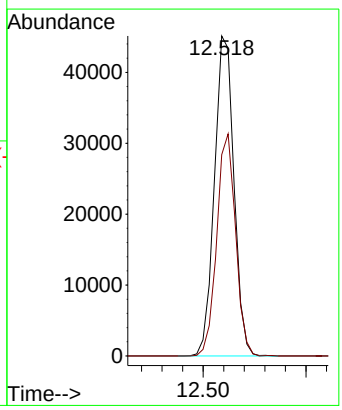


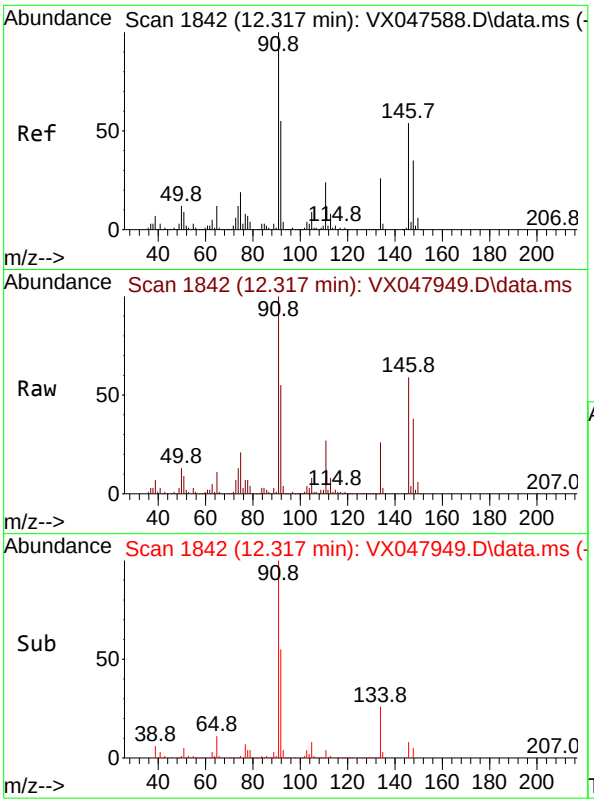


#90
Hexachloroethane
Concen: 45.554 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:117 Resp: 59306

Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.2	102.5



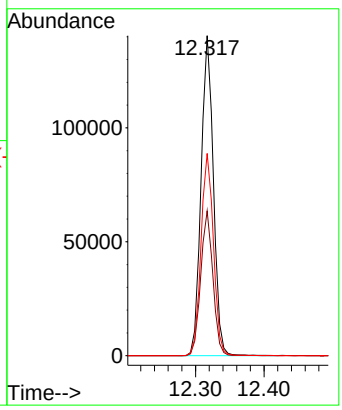


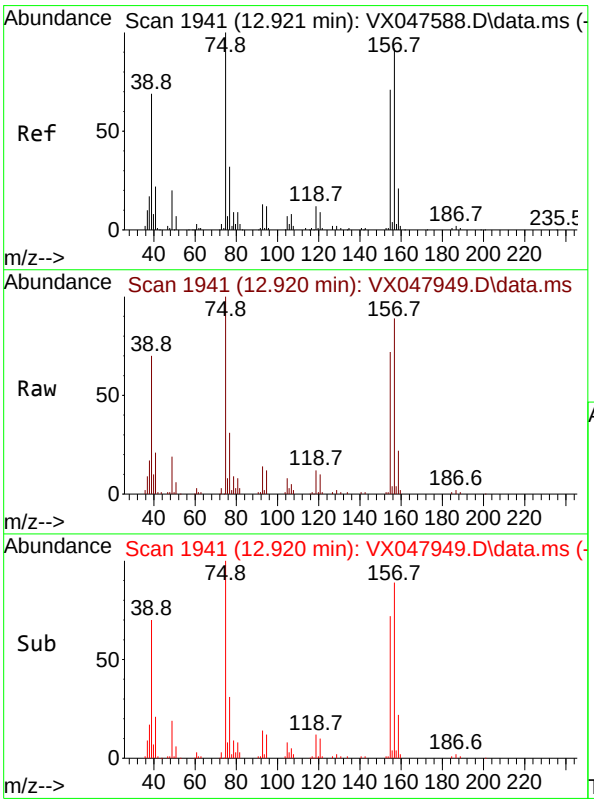
#91
1,2-Dichlorobenzene
Concen: 46.032 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:146 Resp: 175899

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.2	66.6
148	63.9	31.8	95.4

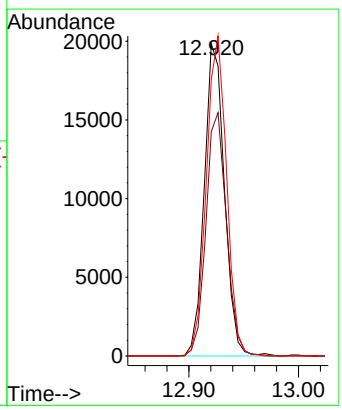


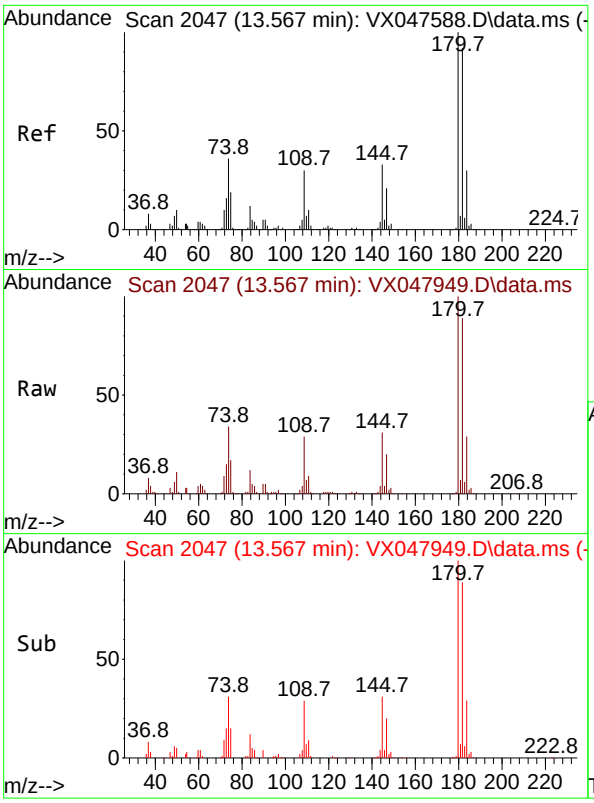


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.069 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion: 75 Resp: 25279

Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.7	113.1
157	103.1	49.8	149.4



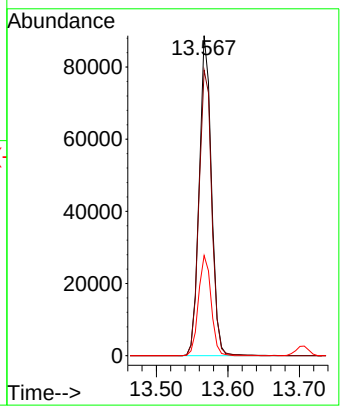


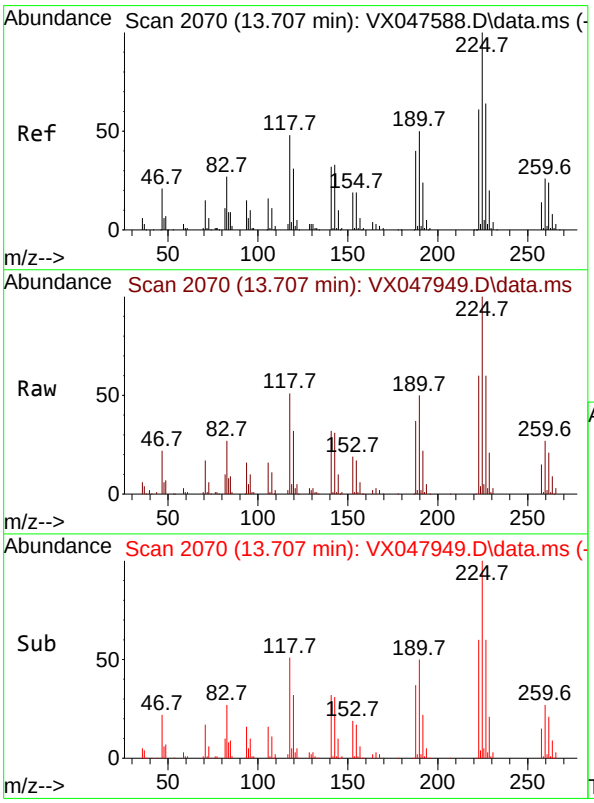
#93
1,2,4-Trichlorobenzene
Concen: 42.218 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:180 Resp: 104847

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.6	139.8
145	32.4	16.4	49.1

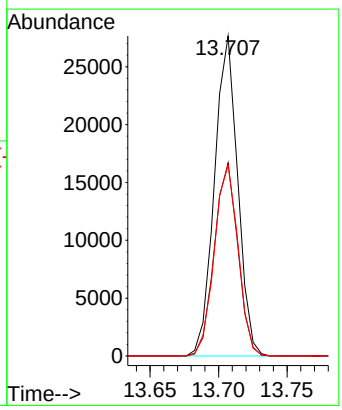


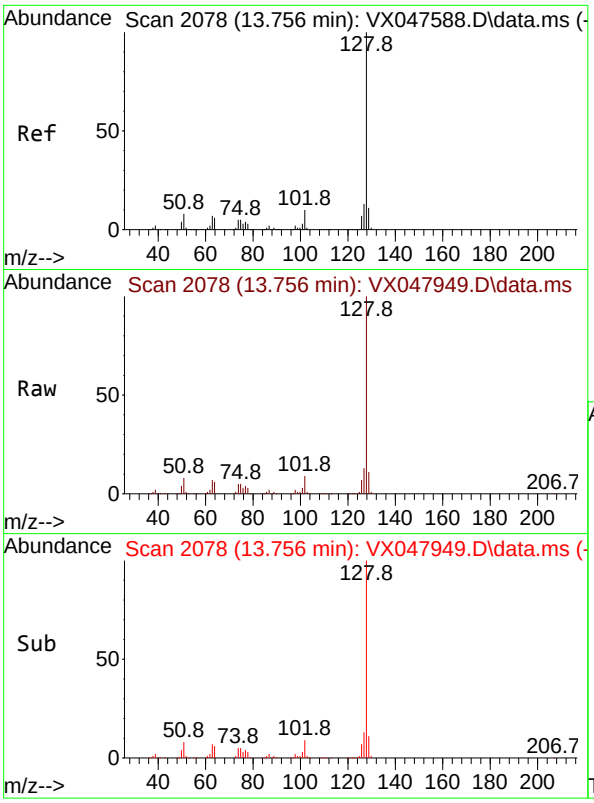


#94
Hexachlorobutadiene
Concen: 38.660 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:225 Resp: 32612

Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.7	95.1
227	60.9	32.0	96.0



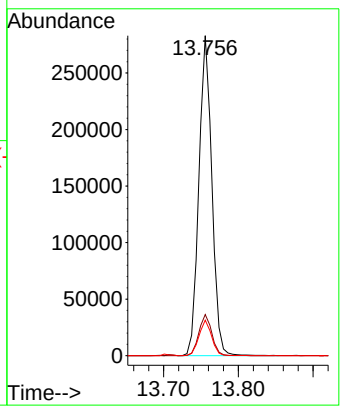


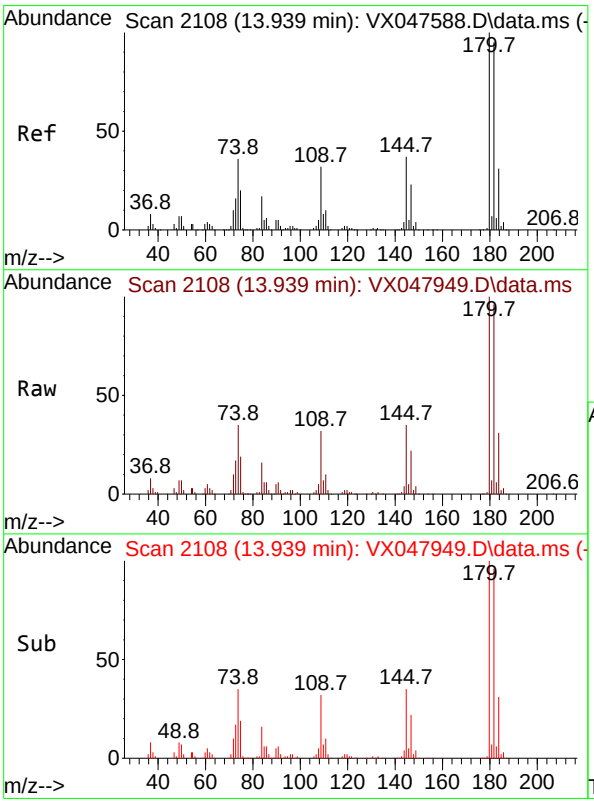
#95
Naphthalene
Concen: 45.060 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MS

Tgt Ion:128 Resp: 340760

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

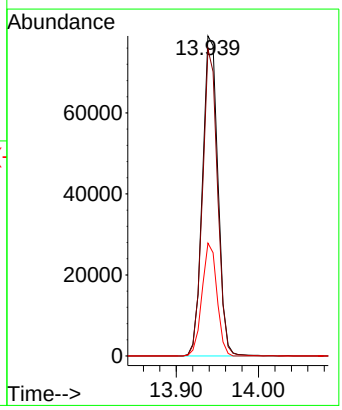




#96
1,2,3-Trichlorobenzene
Concen: 44.571 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047949.D
Acq: 01 Oct 2025 18:17

Tgt Ion:180 Resp: 102966

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.8
145	34.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	130403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	238258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109304	52.659	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.320%			
35) Dibromofluoromethane	5.373	113	84783	53.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.120%			
50) Toluene-d8	8.635	98	290229	52.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.980%			
62) 4-Bromofluorobenzene	11.061	95	110376	52.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	66166	48.999	ug/l	94
3) Chloromethane	1.301	50	82422	46.442	ug/l	99
4) Vinyl Chloride	1.380	62	84533	48.659	ug/l	98
5) Bromomethane	1.612	94	53212	48.304	ug/l	97
6) Chloroethane	1.691	64	55625	47.906	ug/l	99
7) Trichlorofluoromethane	1.898	101	126197	48.923	ug/l	99
8) Diethyl Ether	2.136	74	53194	50.412	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	72752	48.235	ug/l	98
10) Methyl Iodide	2.459	142	102873	43.733	ug/l	100
11) Tert butyl alcohol	2.947	59	57745	249.788	ug/l	99
12) 1,1-Dichloroethene	2.325	96	74483	48.074	ug/l	95
13) Acrolein	2.239	56	51943	243.826	ug/l	99
14) Allyl chloride	2.666	41	133771	41.842	ug/l	97
15) Acrylonitrile	3.062	53	237074	276.861	ug/l	98
16) Acetone	2.374	43	191277	211.938	ug/l	100
17) Carbon Disulfide	2.514	76	190551	44.926	ug/l	99
18) Methyl Acetate	2.703	43	84951	42.295	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	283904	50.198	ug/l	100
20) Methylene Chloride	2.788	84	93302	48.839	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	81059	48.595	ug/l	96
22) Diisopropyl ether	3.751	45	310330	50.085	ug/l	99
23) Vinyl Acetate	3.715	43	891723	179.821	ug/l	100
24) 1,1-Dichloroethane	3.605	63	166350	50.512	ug/l	99
25) 2-Butanone	4.544	43	292554	259.869	ug/l	99
26) 2,2-Dichloropropane	4.465	77	51357	18.760	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	101724	49.797	ug/l	92
28) Bromochloromethane	4.885	49	74572	51.868	ug/l	99
29) Tetrahydrofuran	4.995	42	184209	272.000	ug/l	99
30) Chloroform	5.087	83	171178	51.437	ug/l	99
31) Cyclohexane	5.458	56	122547	44.679	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	141212	50.026	ug/l	100
36) 1,1-Dichloropropene	5.684	75	108217	46.348	ug/l	99
37) Ethyl Acetate	4.702	43	94235	37.694	ug/l	100
38) Carbon Tetrachloride	5.672	117	118724	46.799	ug/l	99
39) Methylcyclohexane	7.367	83	111912	42.224	ug/l	98
40) Benzene	6.025	78	347041	48.936	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	67444	52.256	ug/l		99
42) 1,2-Dichloroethane	6.074	62	131812	48.850	ug/l		99
43) Isopropyl Acetate	6.324	43	171409	41.805	ug/l		99
44) Trichloroethene	7.111	130	82562	48.155	ug/l		96
45) 1,2-Dichloropropane	7.415	63	91907	50.612	ug/l		99
46) Dibromomethane	7.568	93	65794	49.790	ug/l		97
47) Bromodichloromethane	7.806	83	138717	50.871	ug/l		99
48) Methyl methacrylate	7.678	41	102283	50.081	ug/l		98
49) 1,4-Dioxane	7.647	88	24786	1200.873	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	620097	272.773	ug/l		100
52) Toluene	8.702	92	214913	49.189	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	119225	42.865	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	125574	42.239	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	89687	53.235	ug/l		98
56) Ethyl methacrylate	9.104	69	135413	51.180	ug/l		98
57) 1,3-Dichloropropane	9.293	76	152638	52.742	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.159	63	101	7.973	ug/l	#	47
59) 2-Hexanone	9.415	43	431515	264.296	ug/l		99
60) Dibromochloromethane	9.506	129	102603	52.856	ug/l		99
61) 1,2-Dibromoethane	9.592	107	91070	53.072	ug/l		99
64) Tetrachloroethene	9.256	164	63893	44.674	ug/l		98
65) Chlorobenzene	10.061	112	241281	48.409	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	86085	50.052	ug/l		100
67) Ethyl Benzene	10.177	91	408915	47.549	ug/l		99
68) m/p-Xylenes	10.287	106	305843	95.548	ug/l		97
69) o-Xylene	10.622	106	147434	47.620	ug/l		100
70) Styrene	10.640	104	263713	48.612	ug/l		99
71) Bromoform	10.781	173	67158	52.294	ug/l	#	97
73) Isopropylbenzene	10.945	105	378611	45.680	ug/l		99
74) N-amyl acetate	10.829	43	130534	34.536	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	127200	50.725	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	130295	59.029	ug/l		88
77) Bromobenzene	11.183	156	95003	46.539	ug/l		97
78) n-propylbenzene	11.287	91	443409	45.255	ug/l		99
79) 2-Chlorotoluene	11.348	91	275505	45.910	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	311235	45.705	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	28646	33.095	ug/l		99
82) 4-Chlorotoluene	11.433	91	324041	45.720	ug/l		100
83) tert-Butylbenzene	11.695	119	319186	45.788	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	318257	46.098	ug/l		100
85) sec-Butylbenzene	11.872	105	373260	45.080	ug/l		100
86) p-Isopropyltoluene	11.988	119	311701	44.466	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	174955	46.142	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	176328	45.310	ug/l		99
89) n-Butylbenzene	12.311	91	282629	43.574	ug/l		98
90) Hexachloroethane	12.518	117	57934	47.073	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	171262	47.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24849	48.944	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	102687	43.739	ug/l		98
94) Hexachlorobutadiene	13.707	225	32725	41.038	ug/l		99
95) Naphthalene	13.756	128	343048	47.986	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	100023	45.801	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

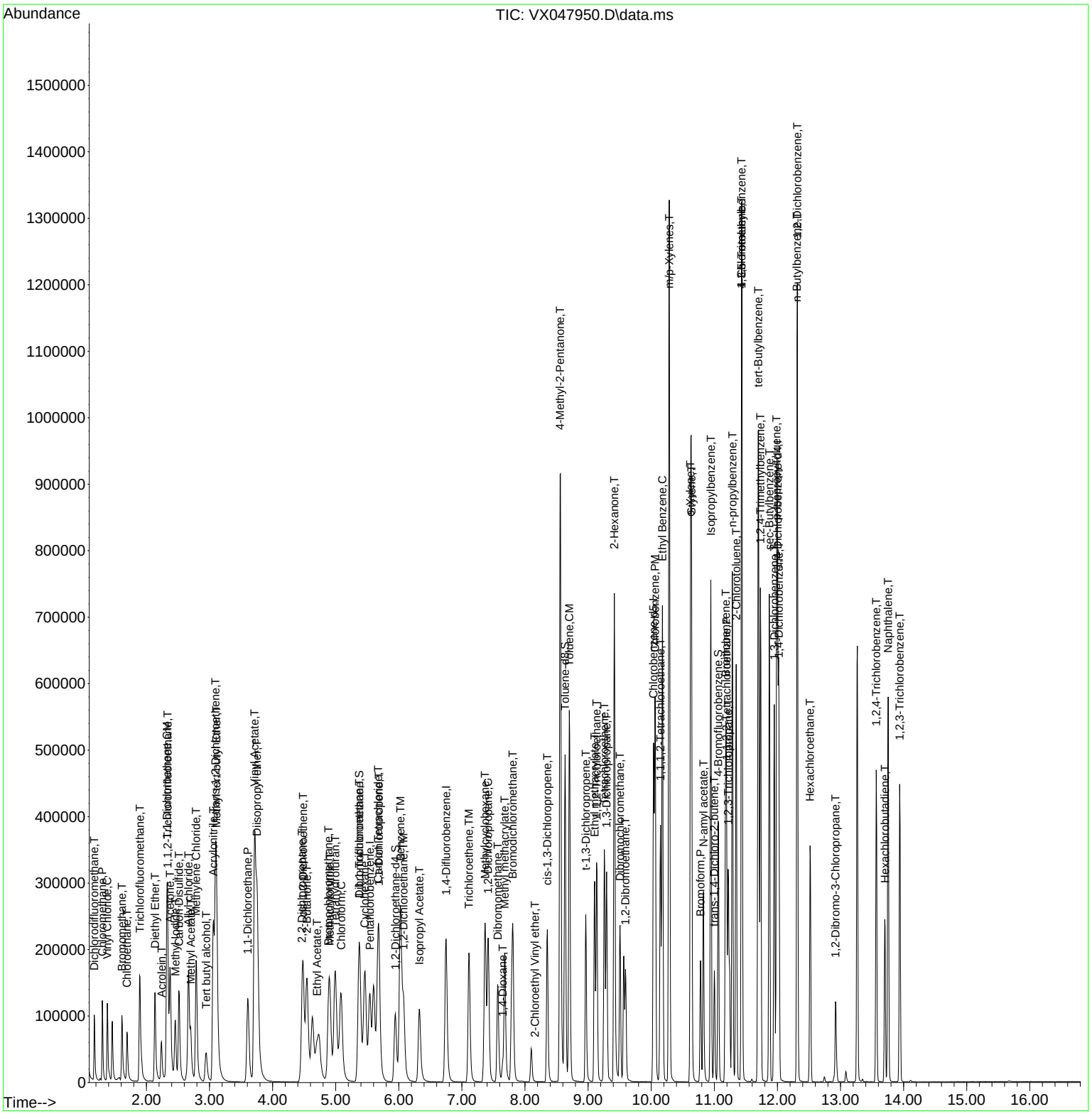
(#) = qualifier out of range (m) = manual integration (+) = signals summed

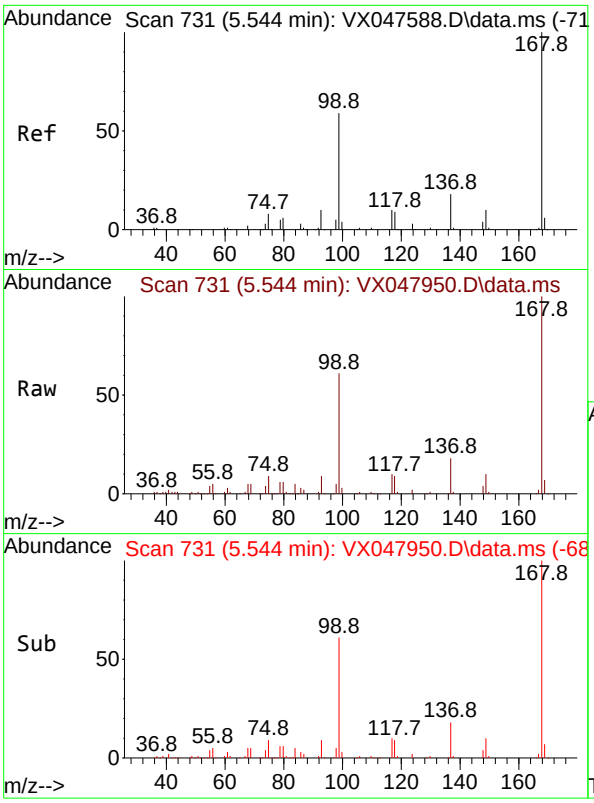
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047950.D
Acq On : 01 Oct 2025 18:38
Operator : JC/MD
Sample : Q3193-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Quant Time: Oct 03 01:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



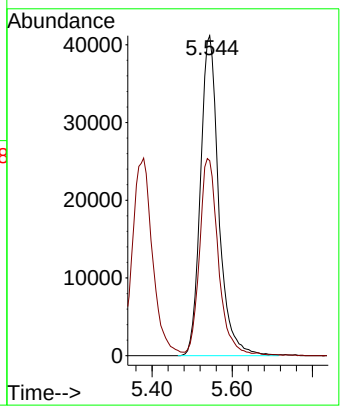


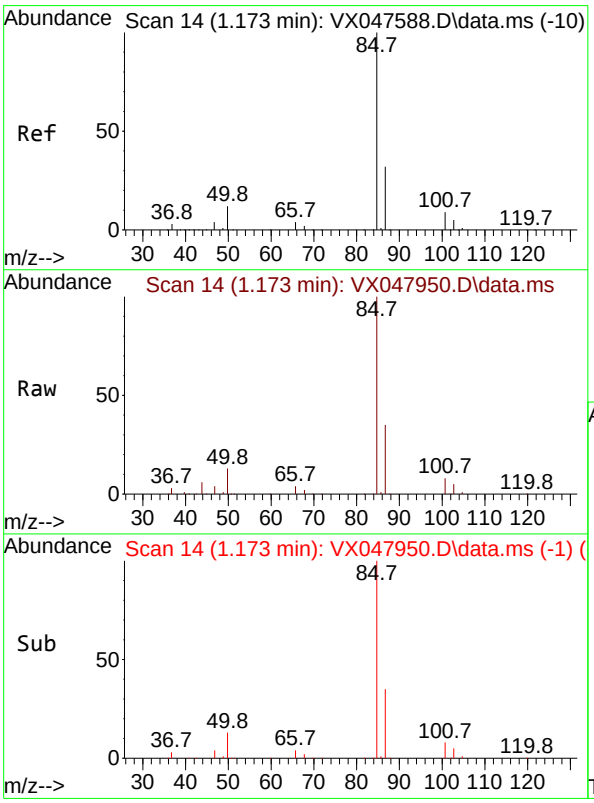
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:168 Resp: 130403

Ion	Ratio	Lower	Upper
168	100		
99	60.7	48.8	73.2

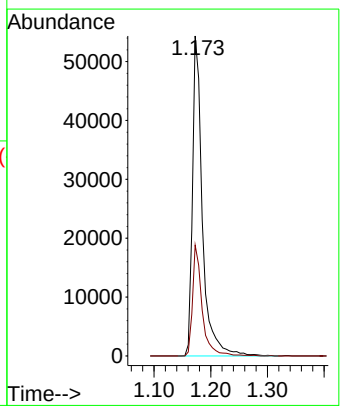


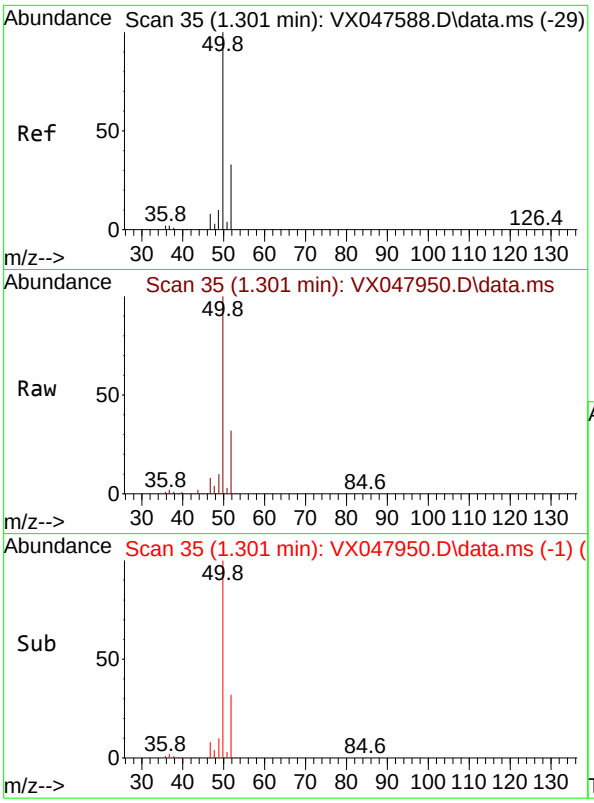


#2
Dichlorodifluoromethane
Concen: 48.999 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 85 Resp: 66166

Ion	Ratio	Lower	Upper
85	100		
87	34.7	15.8	47.3



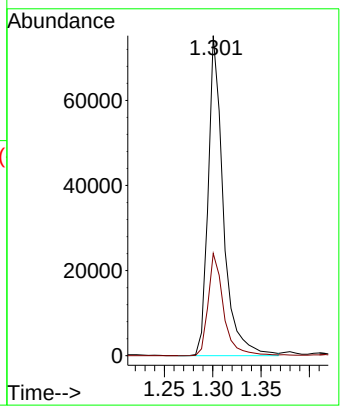


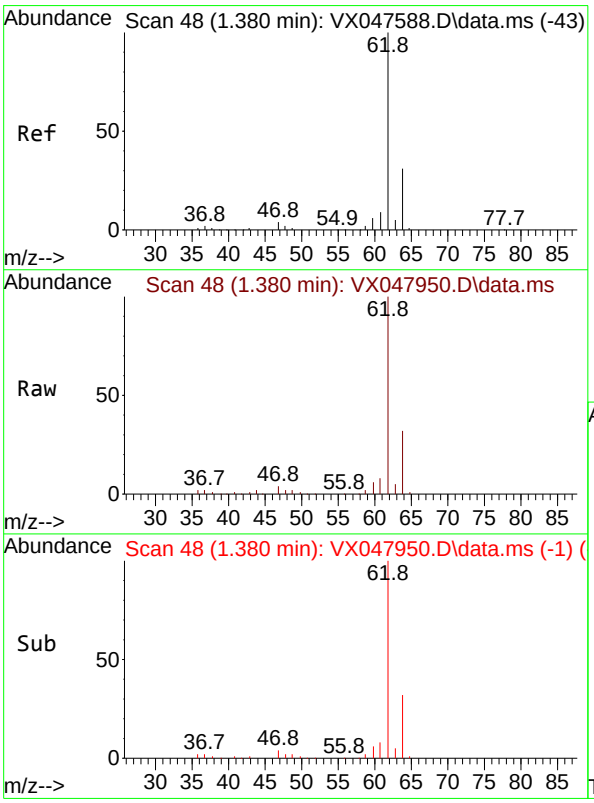
#3
Chloromethane
Concen: 46.442 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 50 Resp: 82422

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1

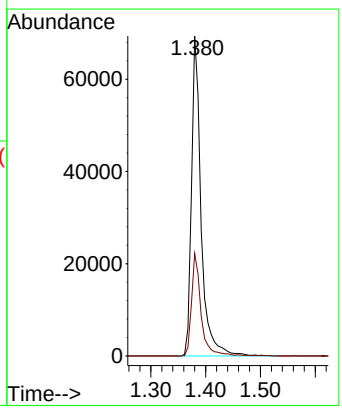


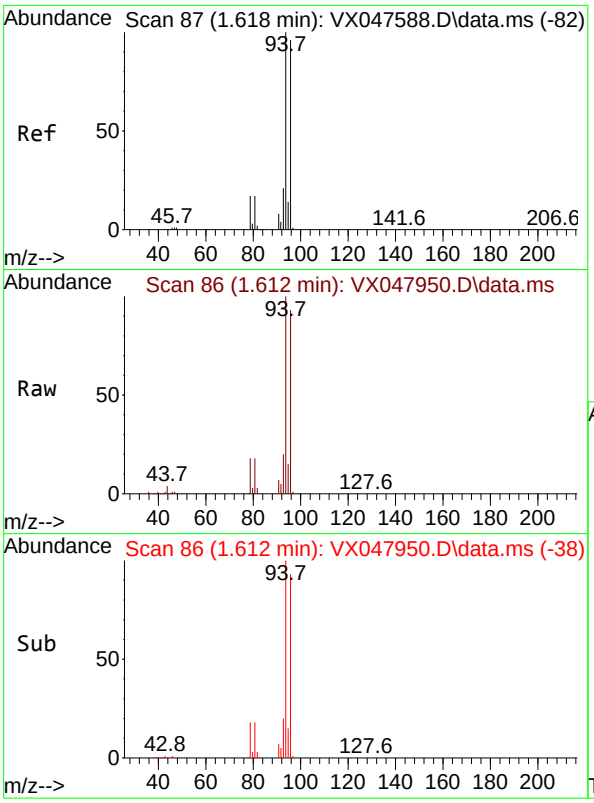


#4
Vinyl Chloride
Concen: 48.659 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 62 Resp: 84533

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3



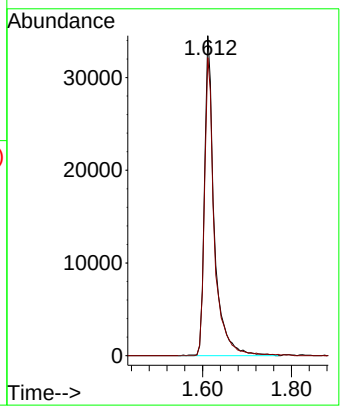


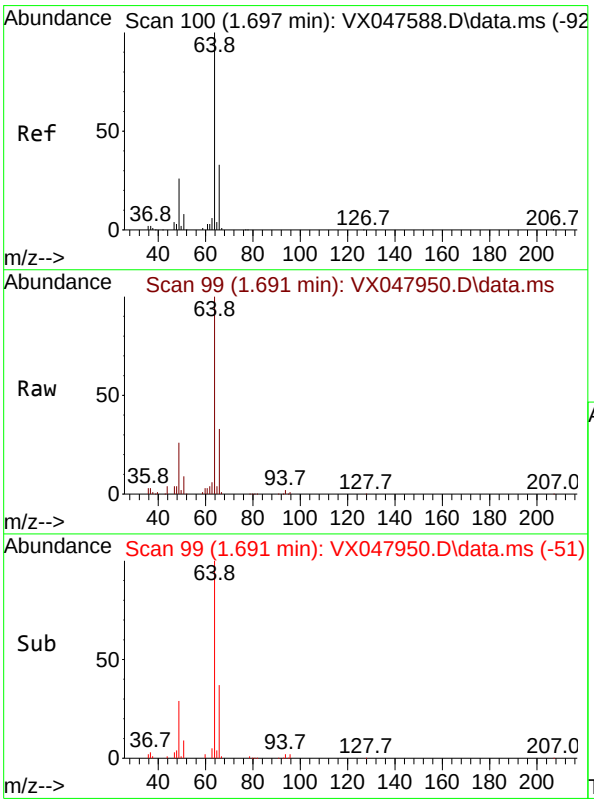
#5
Bromomethane
Concen: 48.304 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 94 Resp: 53212

Ion	Ratio	Lower	Upper
94	100		
96	93.2	76.6	115.0

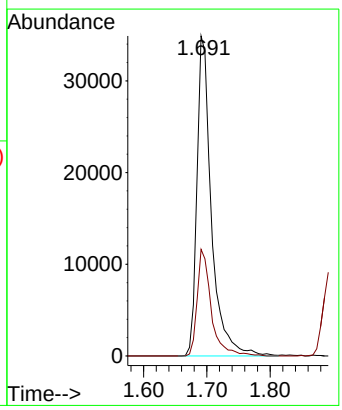


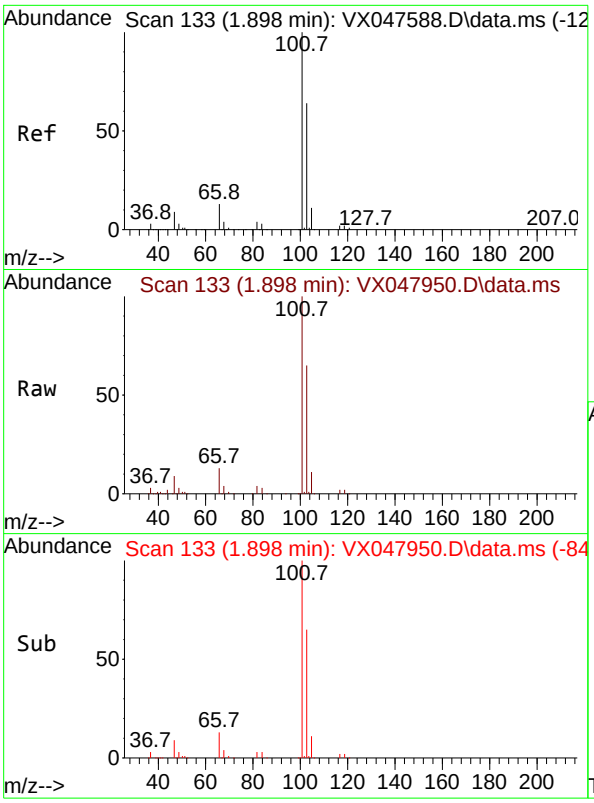


#6
Chloroethane
Concen: 47.906 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 64 Resp: 55625

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.1	39.1



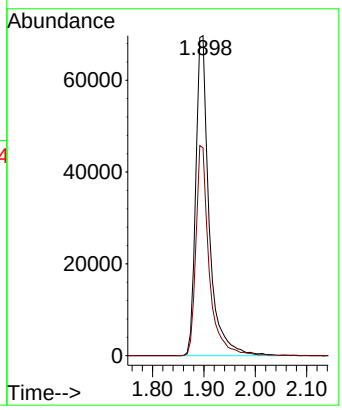


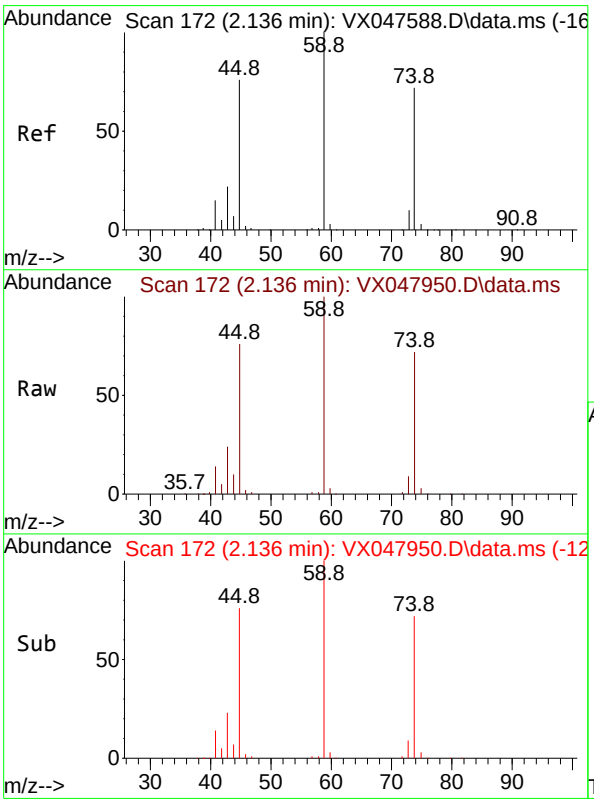
#7
Trichlorofluoromethane
Concen: 48.923 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:101 Resp: 126197

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2

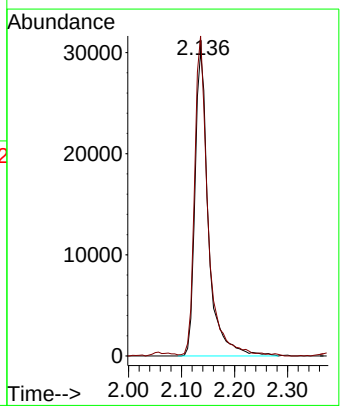


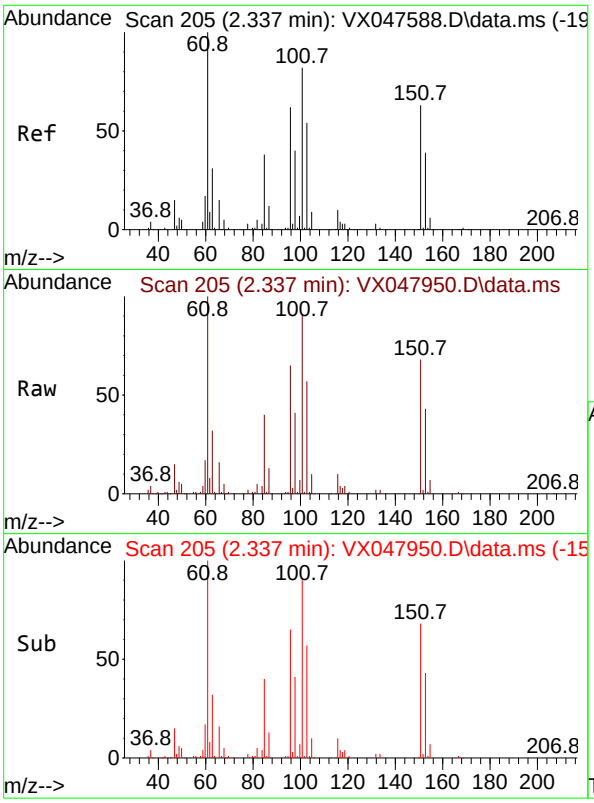


#8
Diethyl Ether
Concen: 50.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 74 Resp: 53194

Ion	Ratio	Lower	Upper
74	100		
45	106.0	52.3	156.8



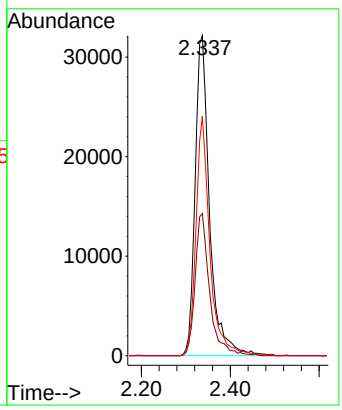


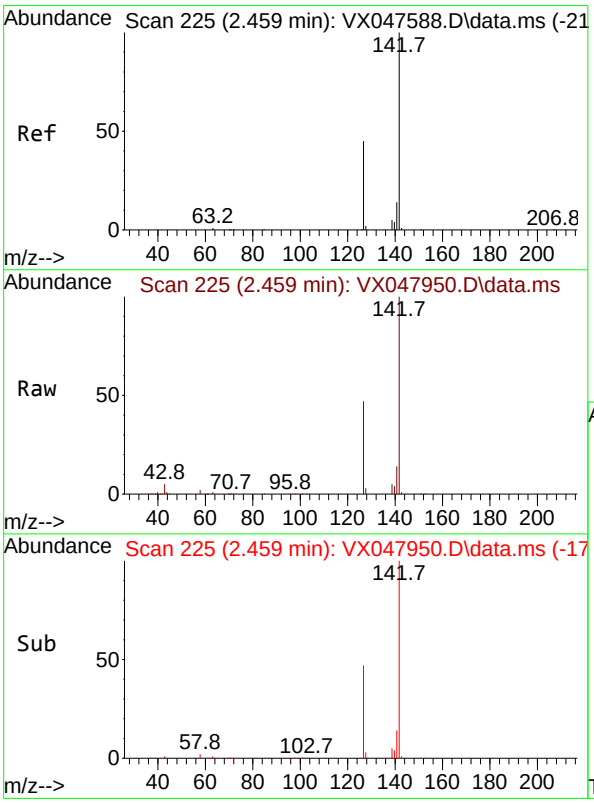
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.235 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:101 Resp: 72752

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	71.9	59.4	89.0

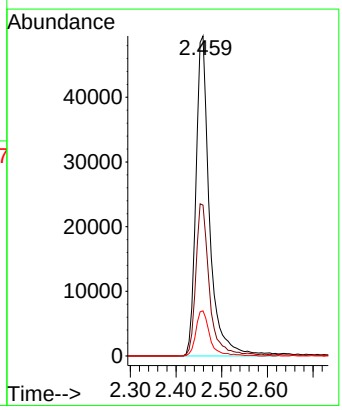


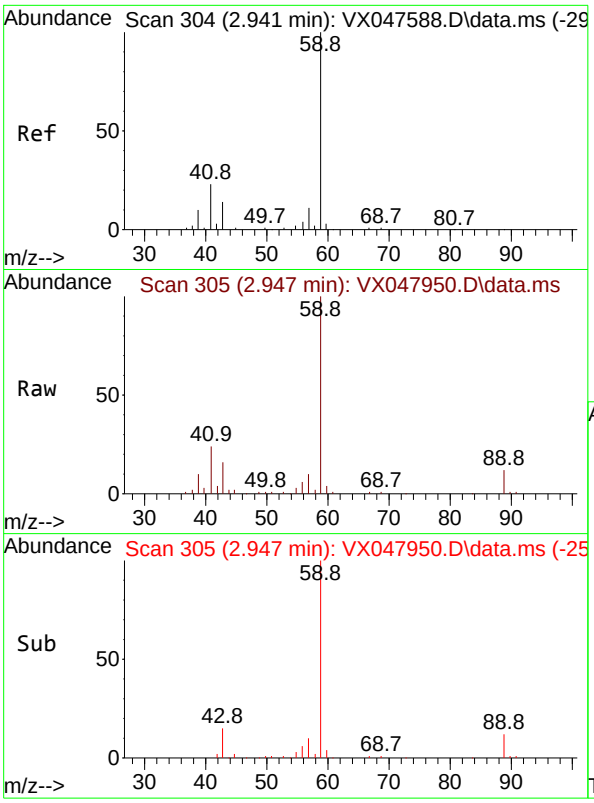


#10
Methyl Iodide
Concen: 43.733 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:142 Resp: 102873

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.4	11.4	17.0



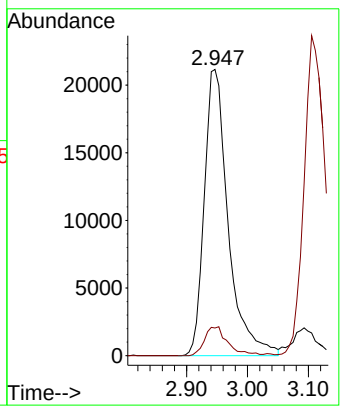


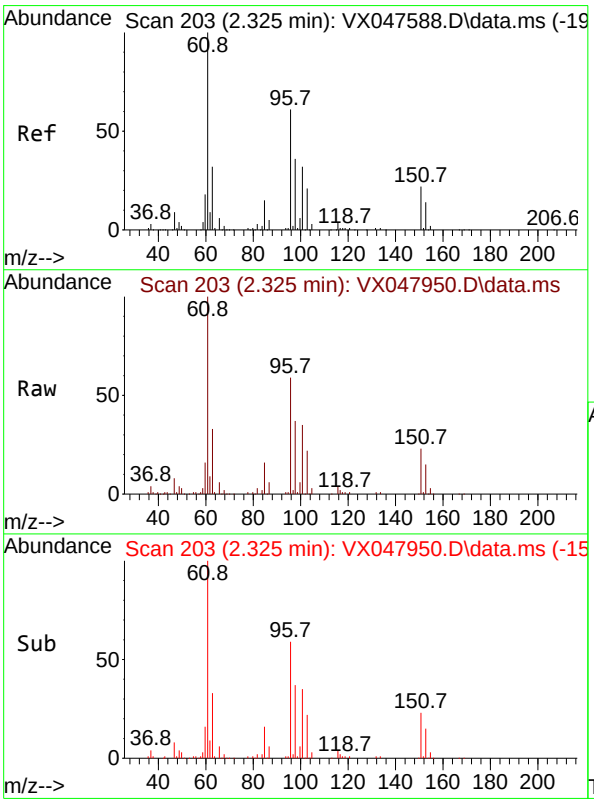
#11
Tert butyl alcohol
Concen: 249.788 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 59 Resp: 57745

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

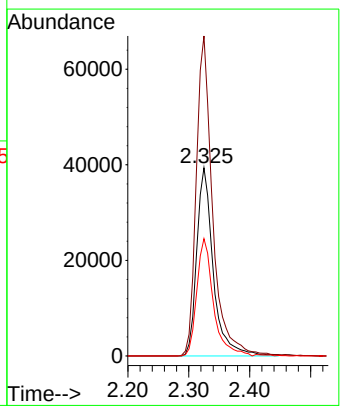


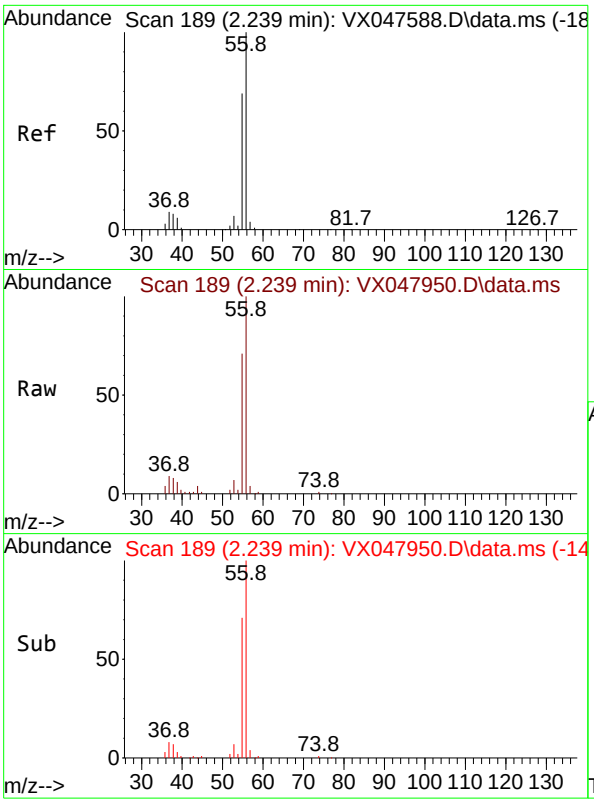


#12
1,1-Dichloroethene
Concen: 48.074 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 96 Resp: 74483

Ion	Ratio	Lower	Upper
96	100		
61	170.1	131.0	196.6
98	64.4	47.7	71.5



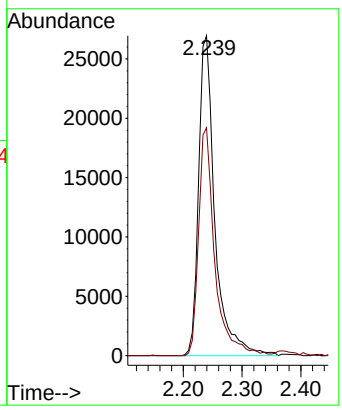


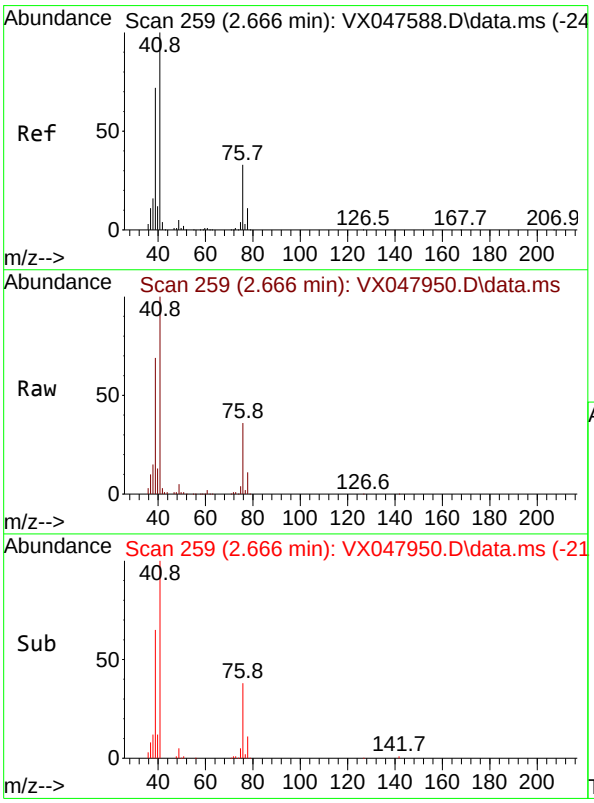
#13
Acrolein
Concen: 243.826 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 56 Resp: 51943

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

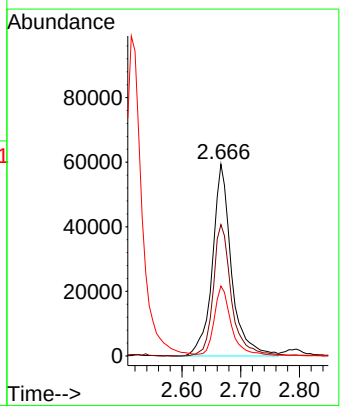


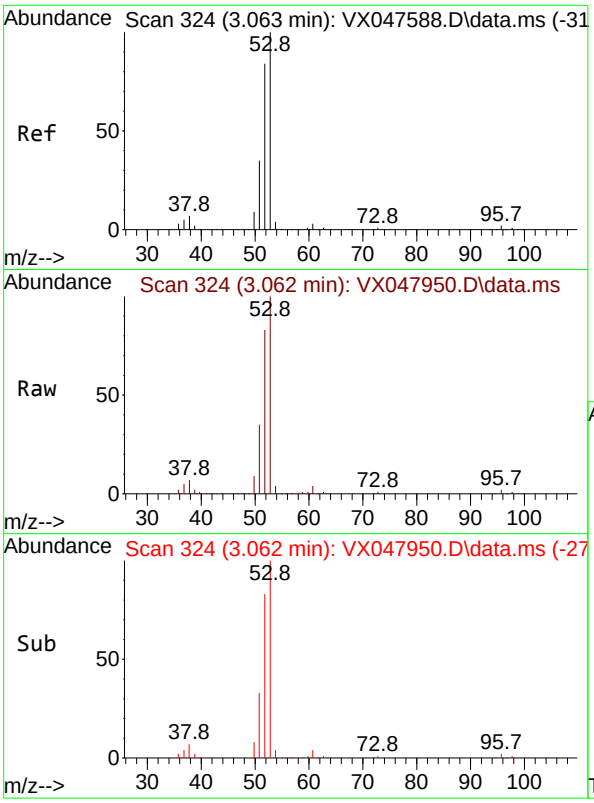


#14
Allyl chloride
Concen: 41.842 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 41 Resp: 133771

Ion	Ratio	Lower	Upper
41	100		
39	65.7	54.7	82.1
76	33.0	25.7	38.5



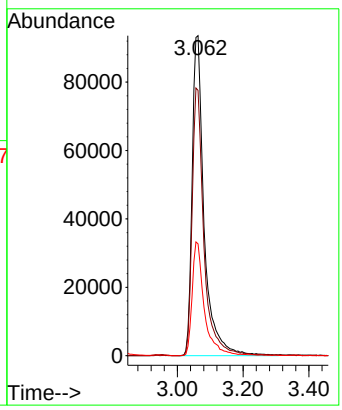


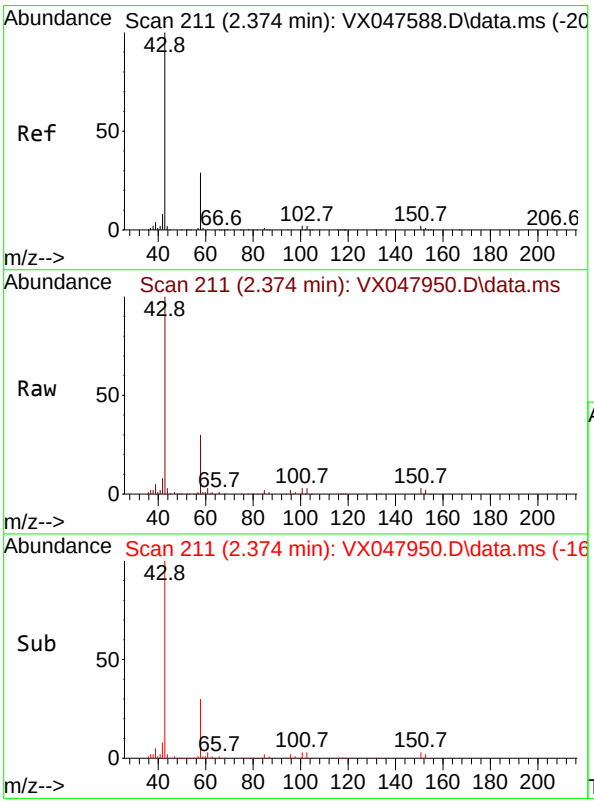
#15
Acrylonitrile
Concen: 276.861 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 53 Resp: 237074

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.1	29.5	44.3

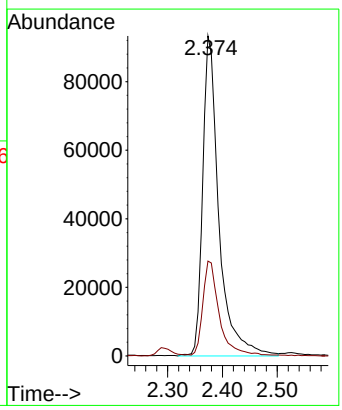


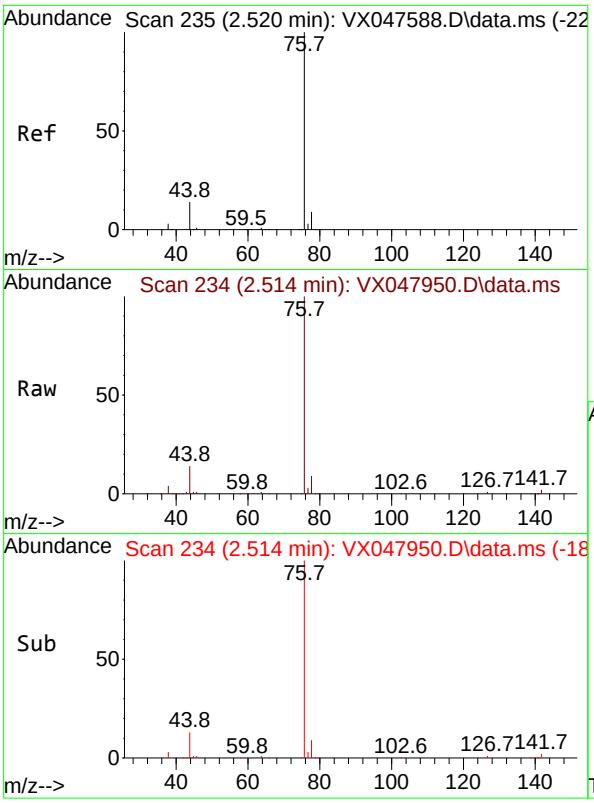


#16
Acetone
Concen: 211.938 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 191277

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



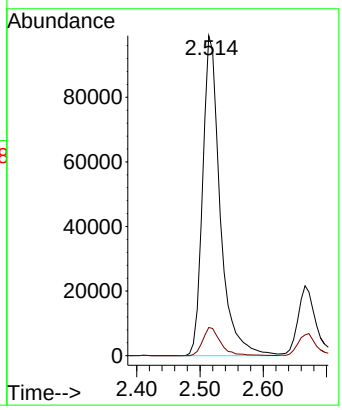


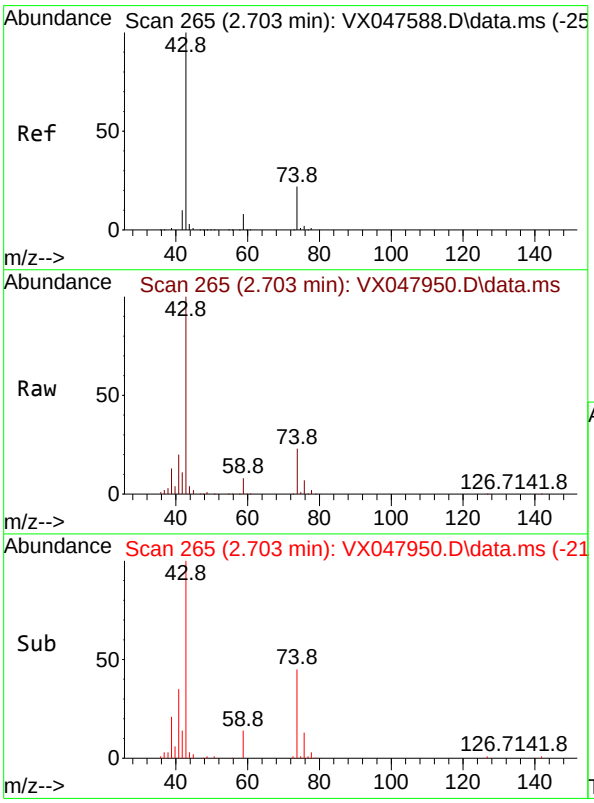
#17
Carbon Disulfide
Concen: 44.926 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 76 Resp: 190551

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.8	10.2

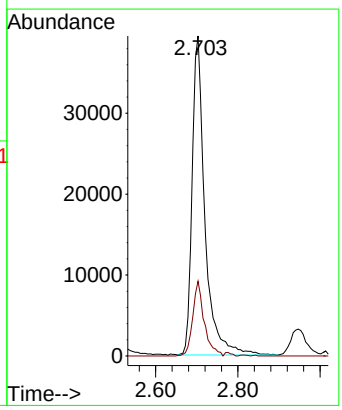


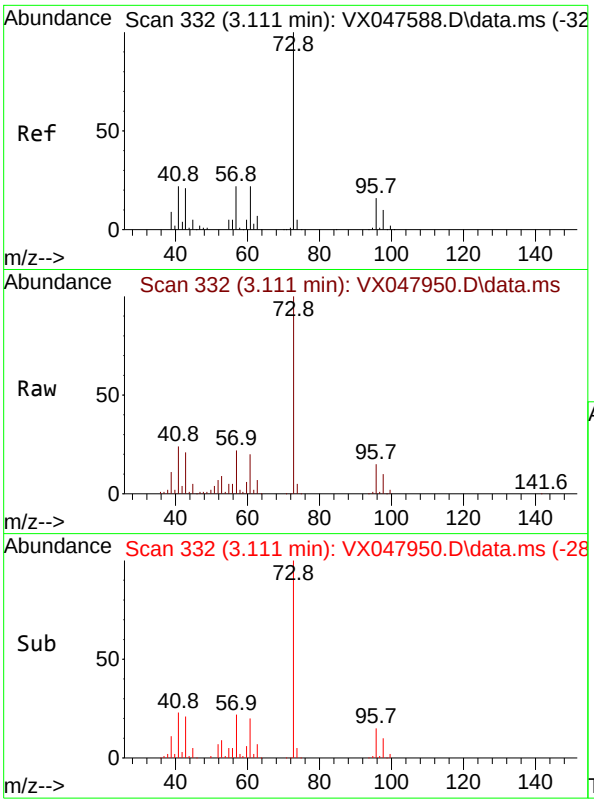


#18
Methyl Acetate
Concen: 42.295 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 84951

Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.4	26.2



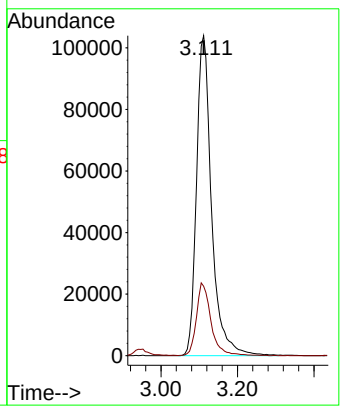


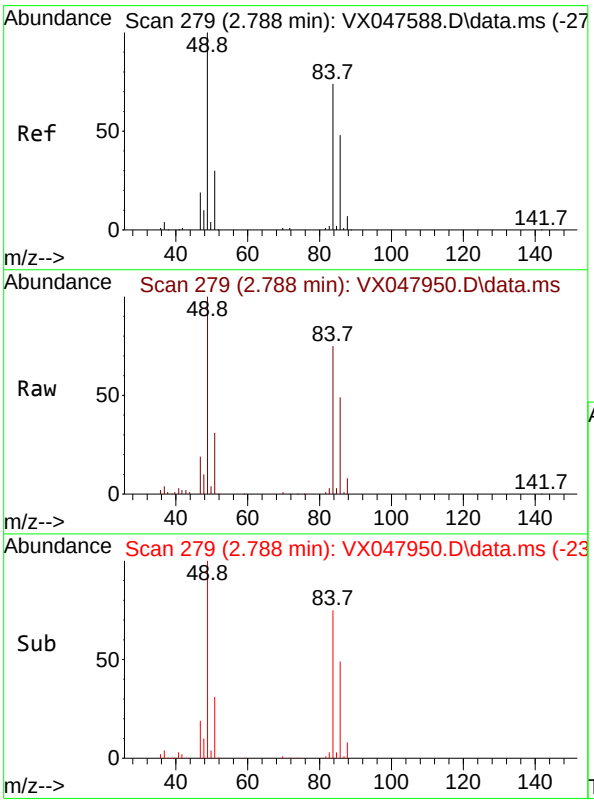
#19
Methyl tert-butyl Ether
Concen: 50.198 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 73 Resp: 283904

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

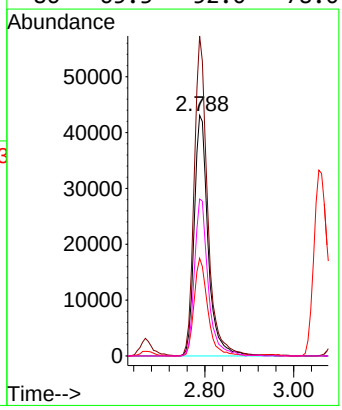


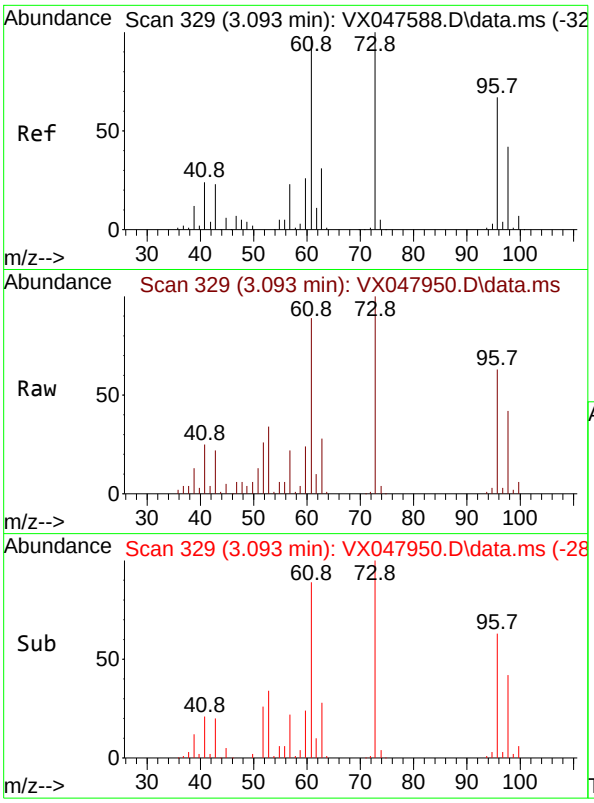


#20
Methylene Chloride
Concen: 48.839 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 84 Resp: 93302

Ion	Ratio	Lower	Upper
84	100		
49	132.8	108.6	162.8
51	40.6	32.6	48.8
86	65.3	52.0	78.0



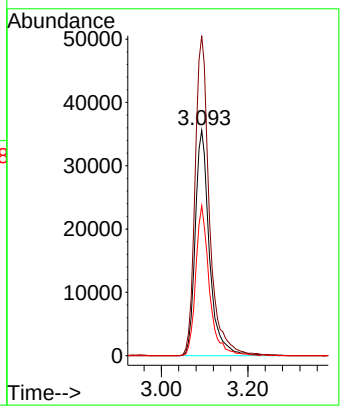


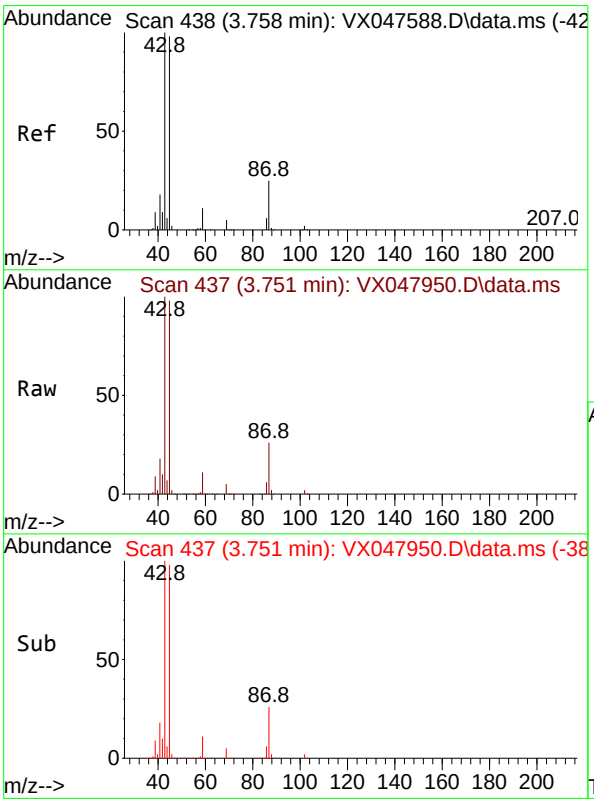
#21
trans-1,2-Dichloroethene
Concen: 48.595 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 96 Resp: 81059

Ion	Ratio	Lower	Upper
96	100		
61	142.0	116.2	174.2
98	66.5	49.3	73.9

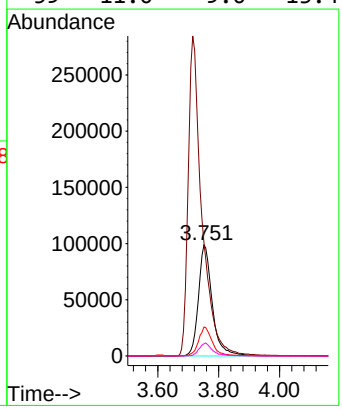


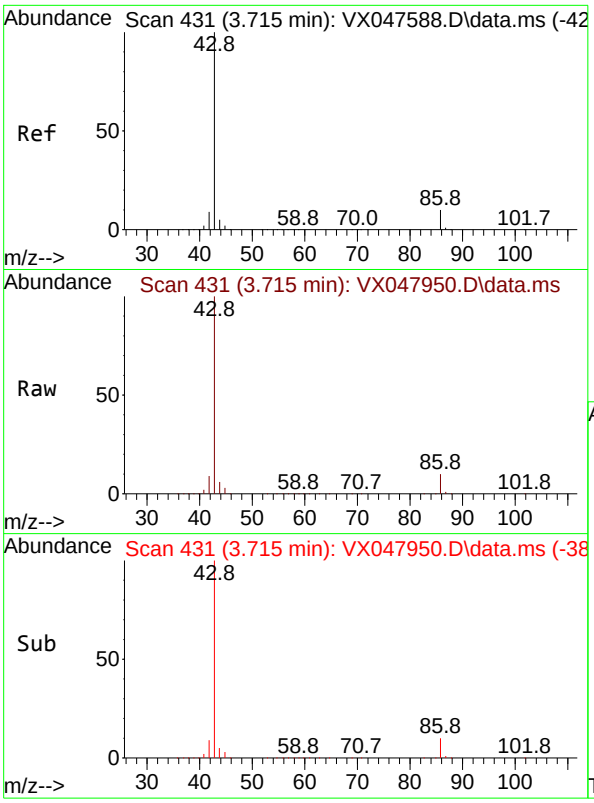


#22
Diisopropyl ether
Concen: 50.085 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 45 Resp: 310330

Ion	Ratio	Lower	Upper
45	100		
43	101.9	81.0	121.4
87	26.1	20.3	30.5
59	11.0	9.0	13.4



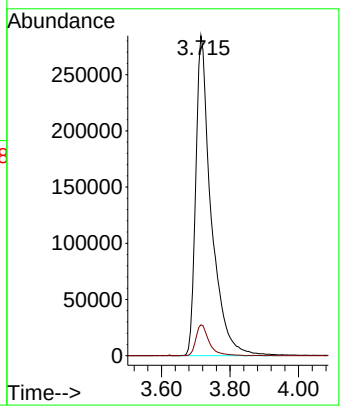


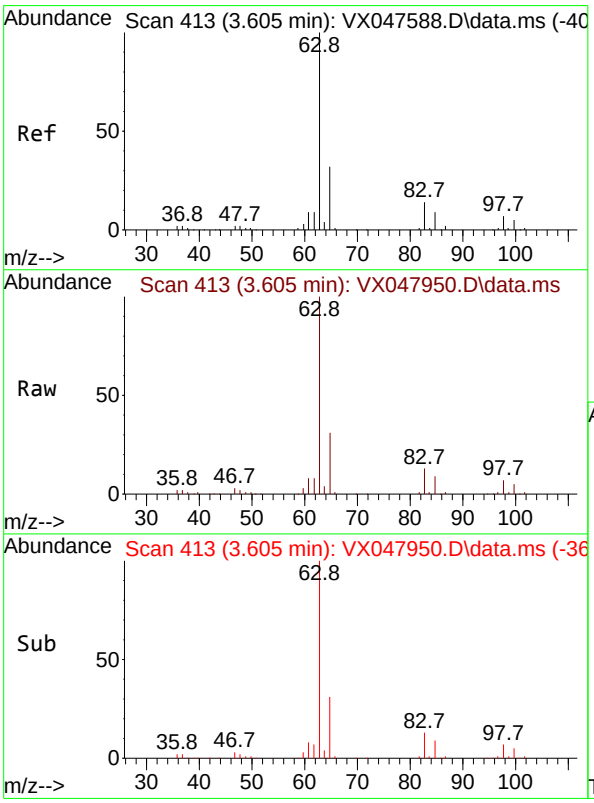
#23
Vinyl Acetate
Concen: 179.821 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 43 Resp: 891723

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

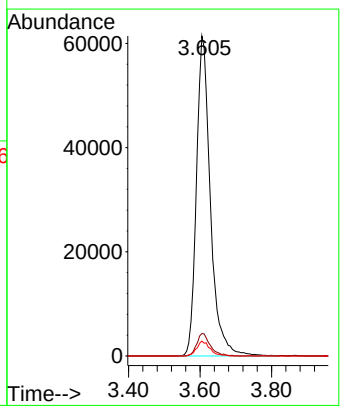


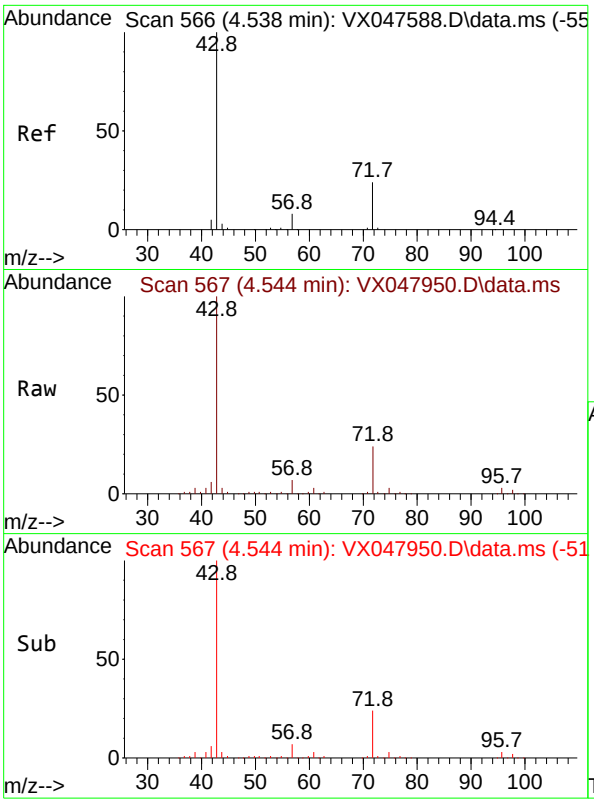


#24
1,1-Dichloroethane
Concen: 50.512 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 63 Resp: 166350

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.6	2.3	6.9



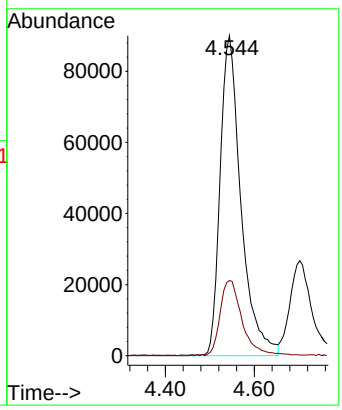


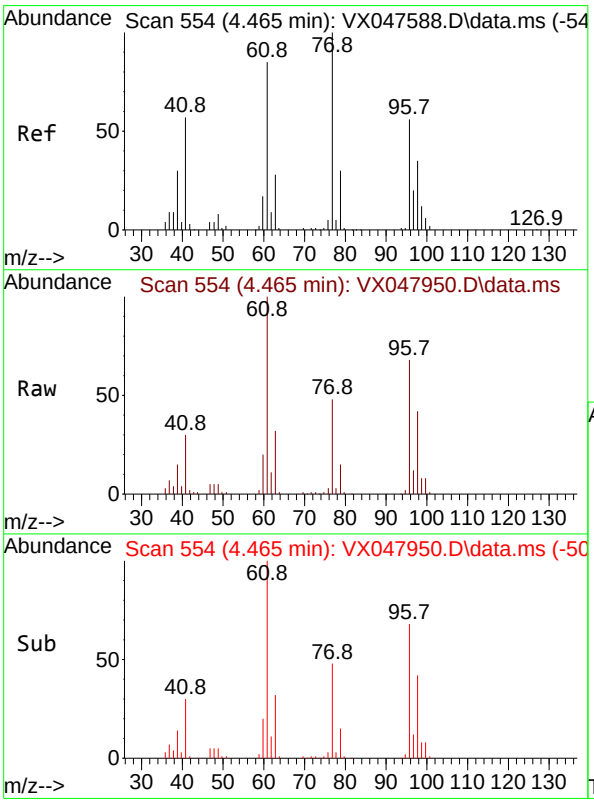
#25
2-Butanone
Concen: 259.869 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 43 Resp: 292554

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.1	30.1

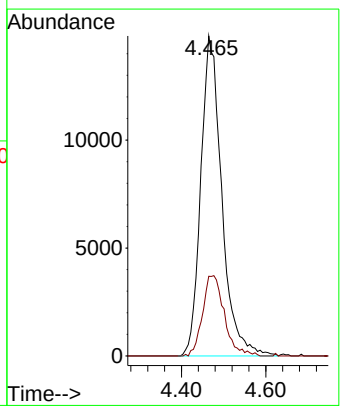


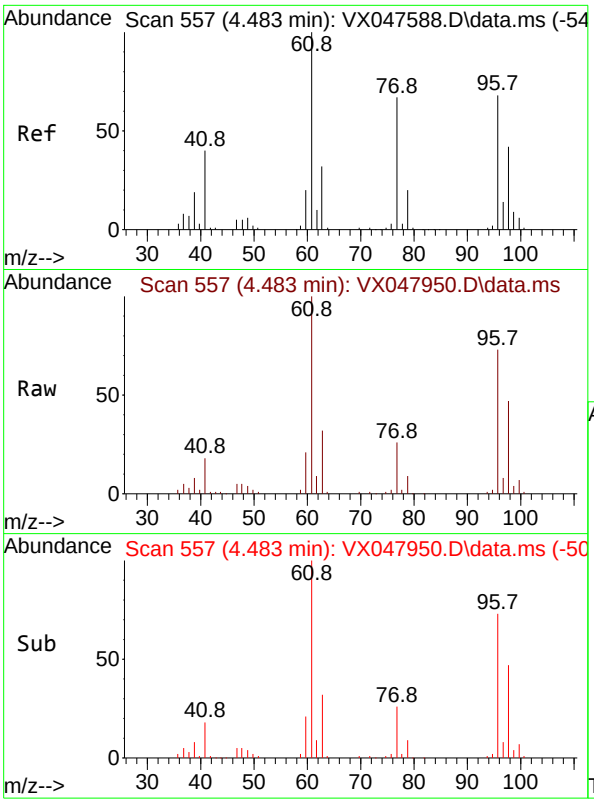


#26
2,2-Dichloropropane
Concen: 18.760 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 77 Resp: 51357

Ion	Ratio	Lower	Upper
77	100		
97	26.0	10.9	32.7



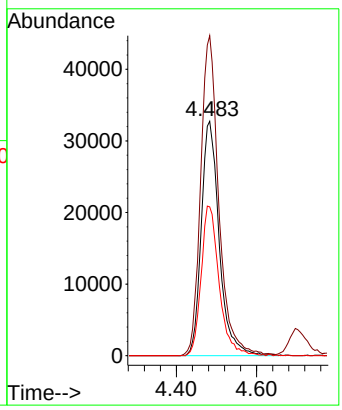


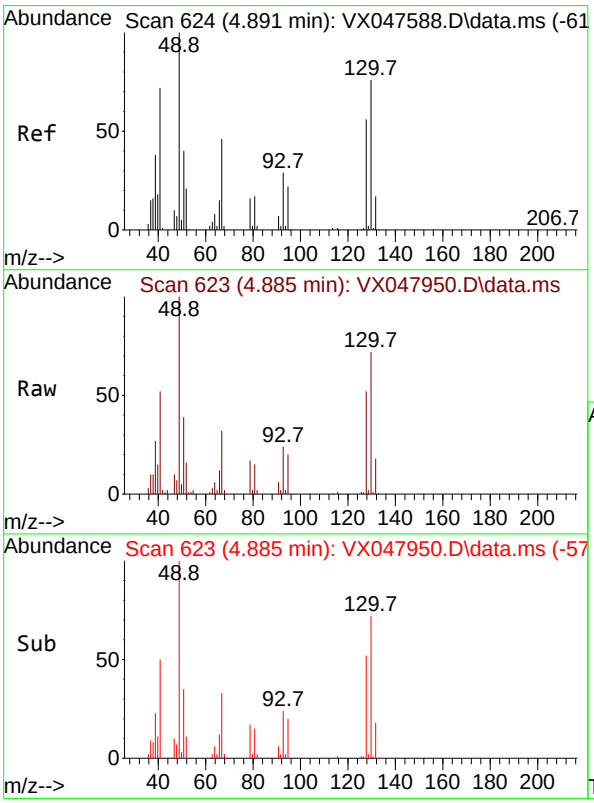
#27
cis-1,2-Dichloroethene
Concen: 49.797 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 96 Resp: 101724

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	303.2
98	64.0	0.0	127.8

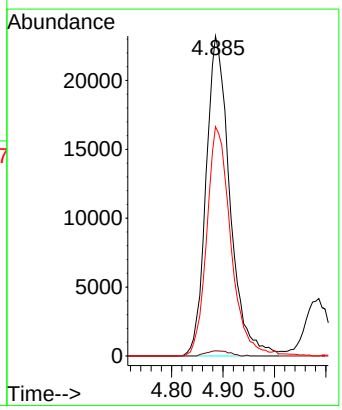


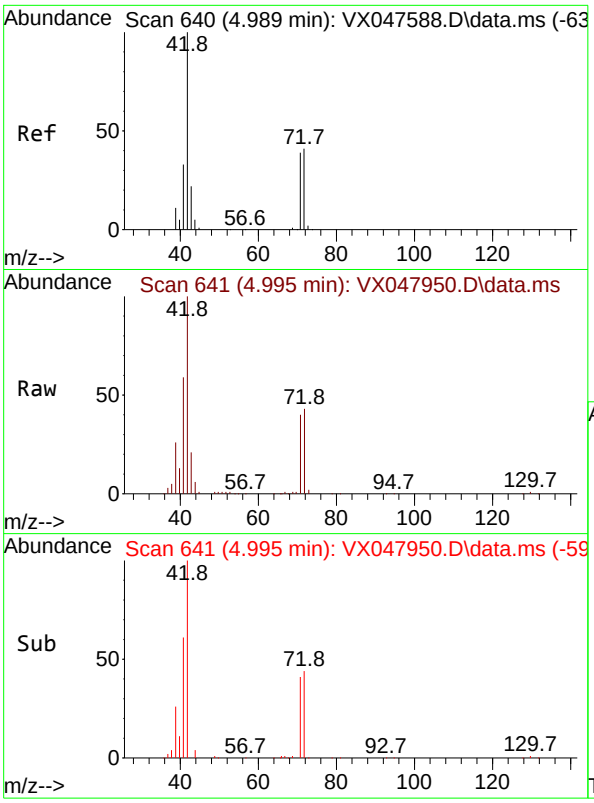


#28
Bromochloromethane
Concen: 51.868 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 49 Resp: 74572

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.8	57.8	86.8



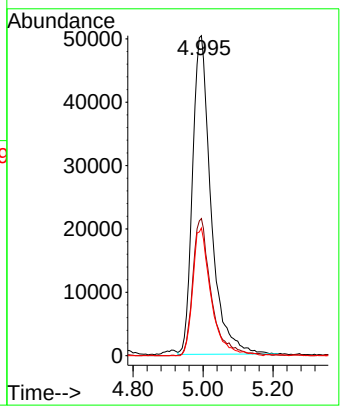


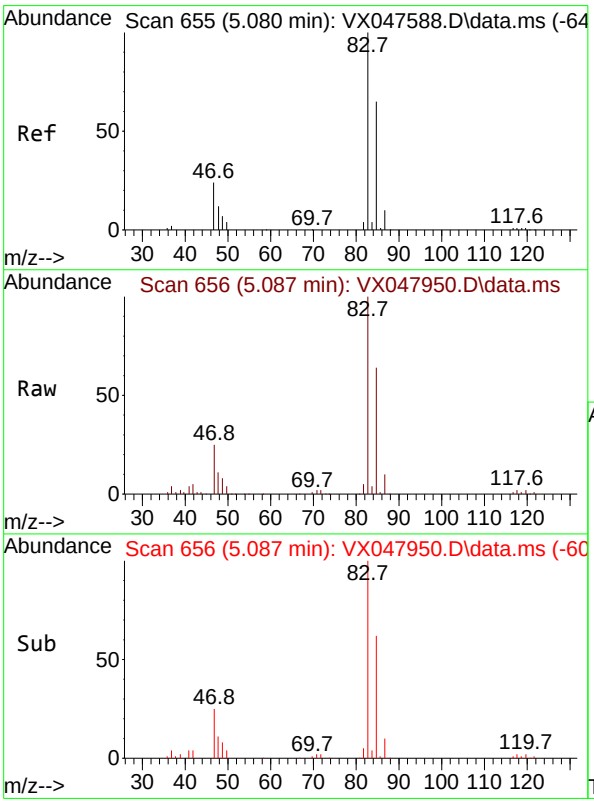
#29
Tetrahydrofuran
Concen: 272.000 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 42 Resp: 184209

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	39.6	31.9	47.9

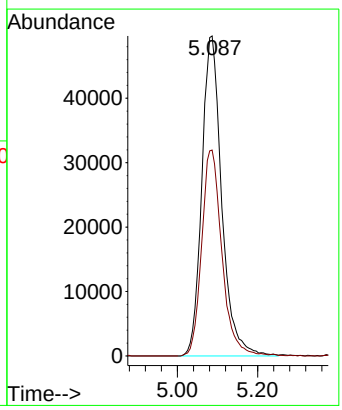


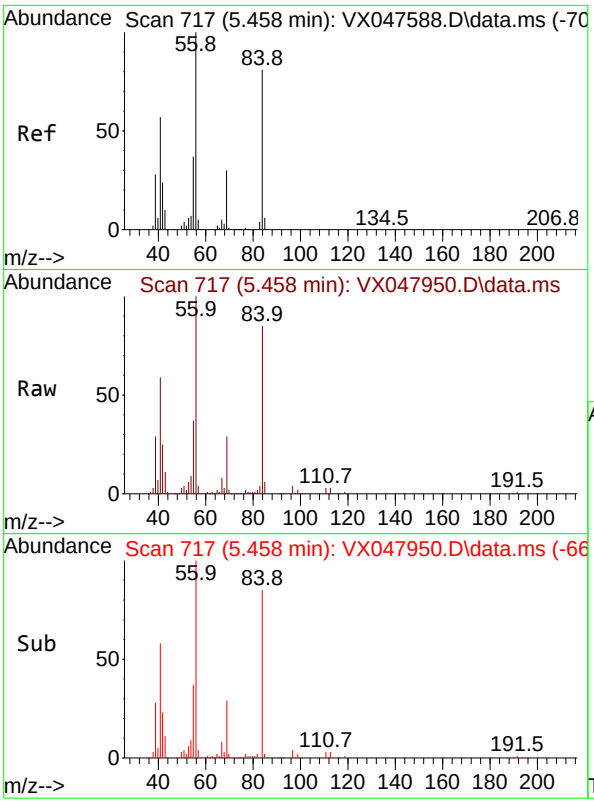


#30
Chloroform
Concen: 51.437 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 83 Resp: 171178

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



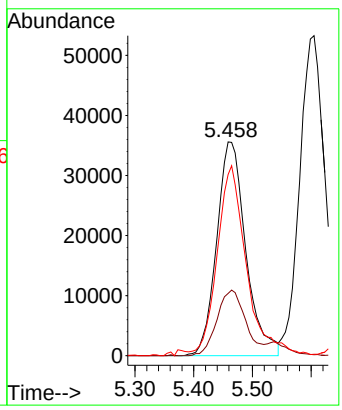


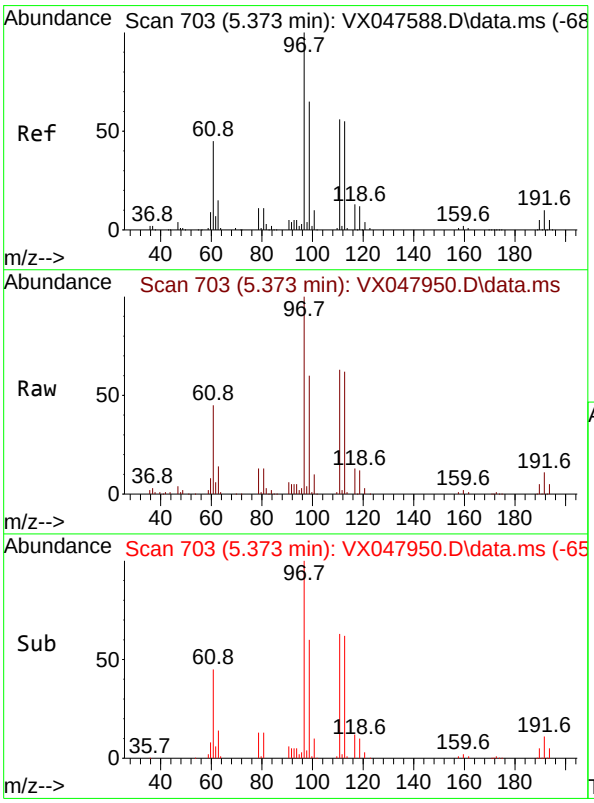
#31
Cyclohexane
Concen: 44.679 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 56 Resp: 122547

Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.8	35.8
84	81.6	64.6	97.0

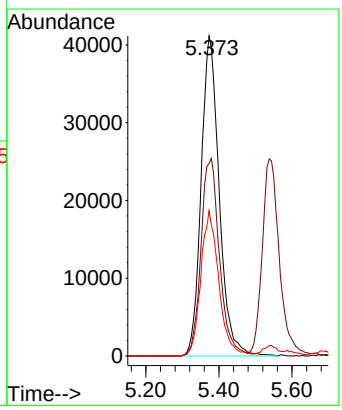


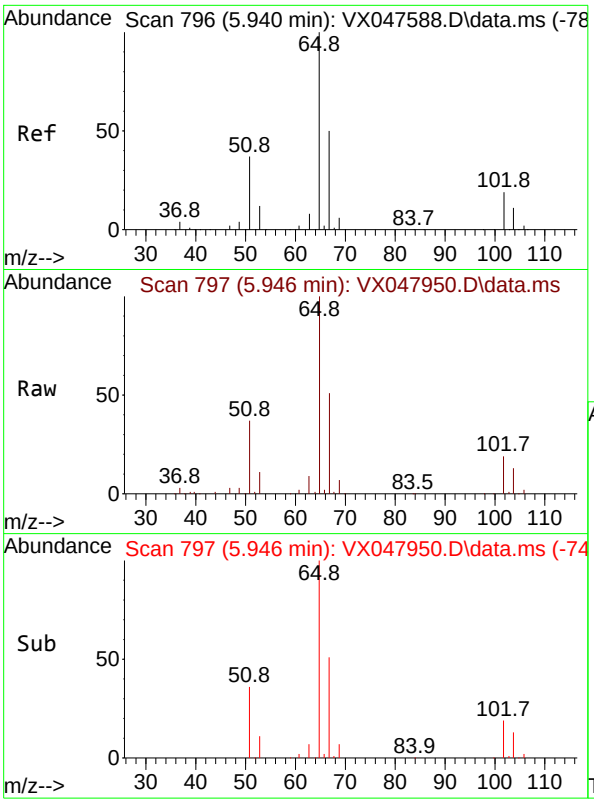


#32
1,1,1-Trichloroethane
Concen: 50.026 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 97 Resp: 141212

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.1	35.8	53.8



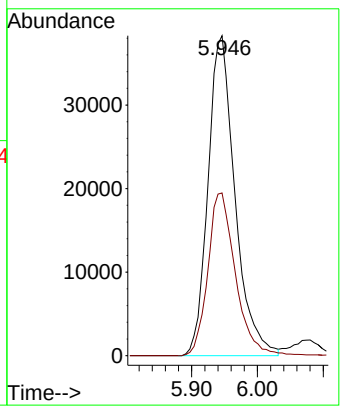


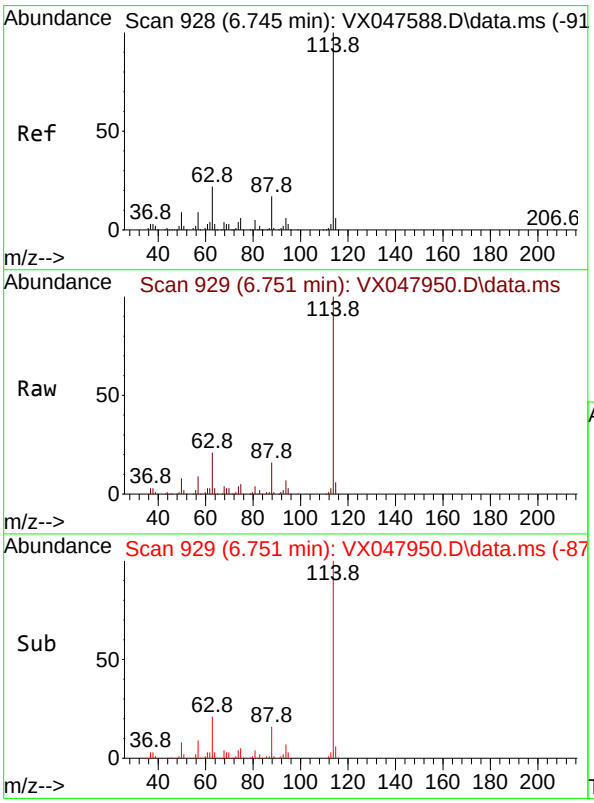
#33
1,2-Dichloroethane-d4
Concen: 52.659 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 65 Resp: 109304

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

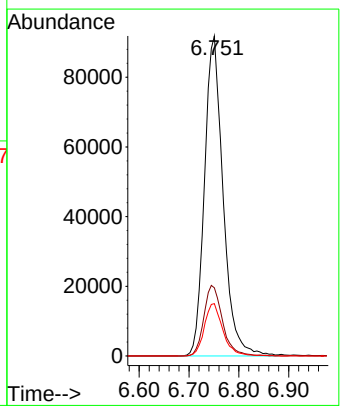


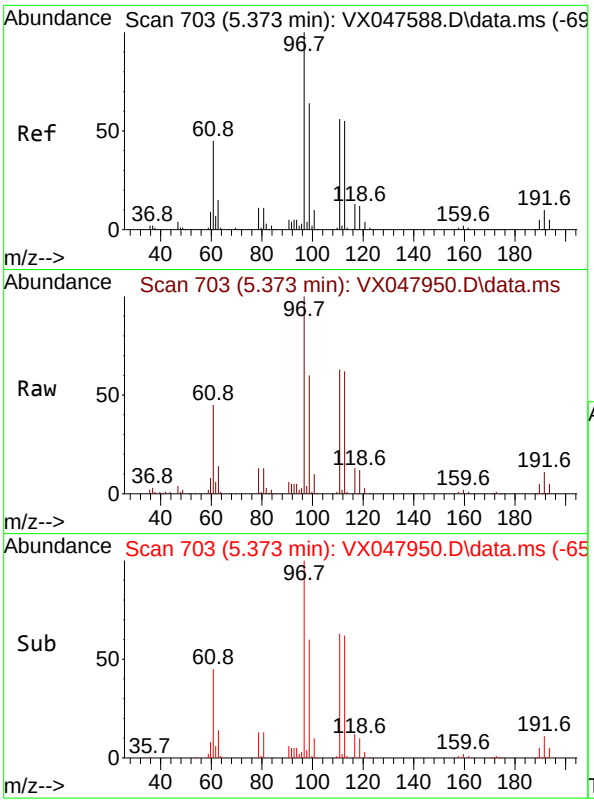


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:114 Resp: 238258

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.3	0.0	34.2



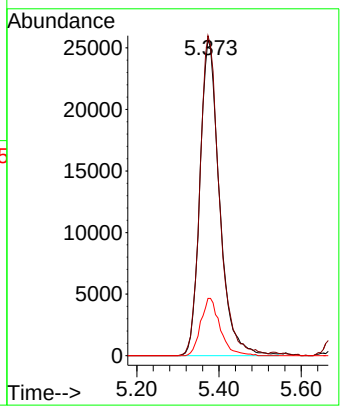


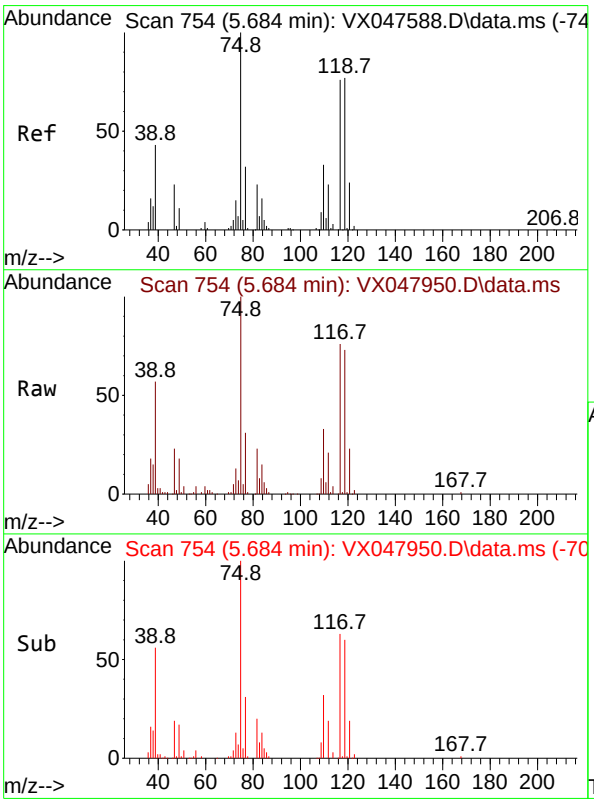
#35
Dibromofluoromethane
Concen: 53.059 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:113 Resp: 84783

Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.9	121.3
192	18.0	14.2	21.4

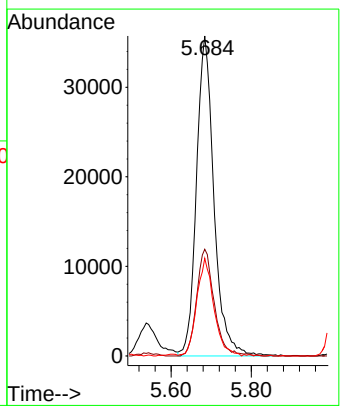


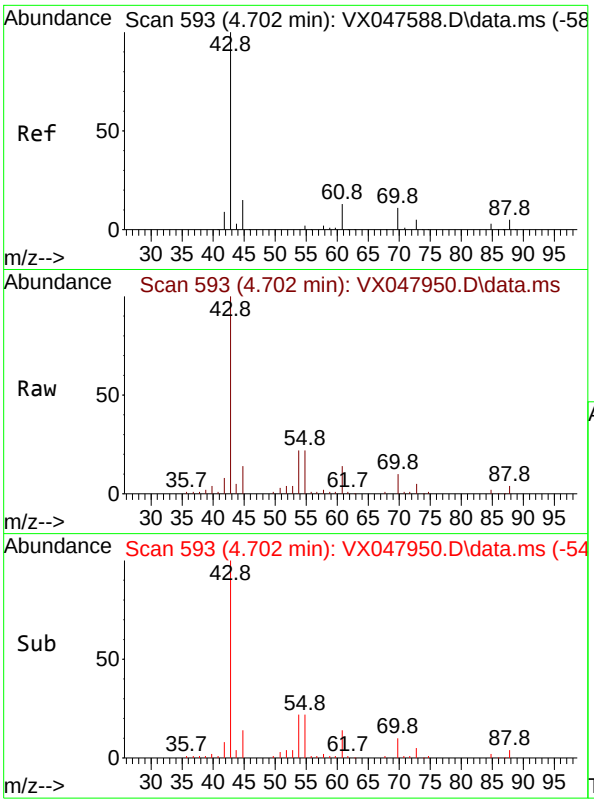


#36
1,1-Dichloropropene
Concen: 46.348 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 108217

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.7	50.1
77	29.8	24.3	36.5



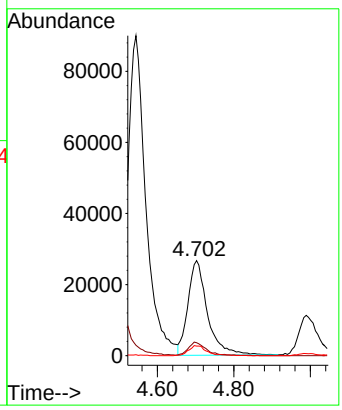


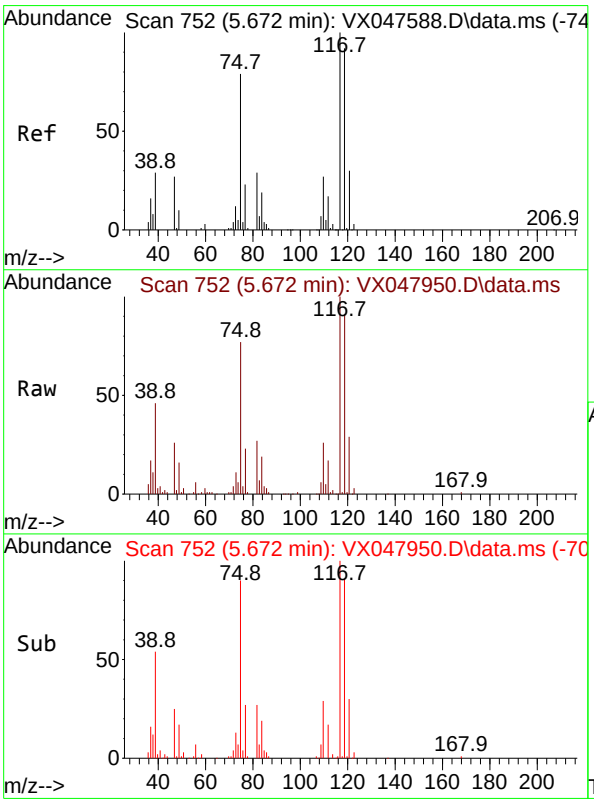
#37
Ethyl Acetate
Concen: 37.694 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 43 Resp: 94235

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.8	7.9	11.9

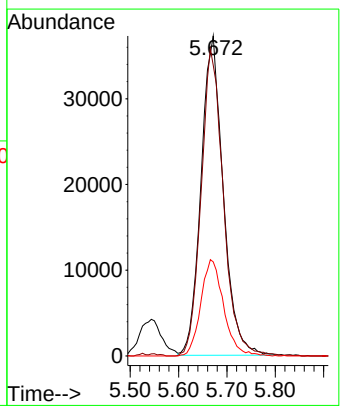


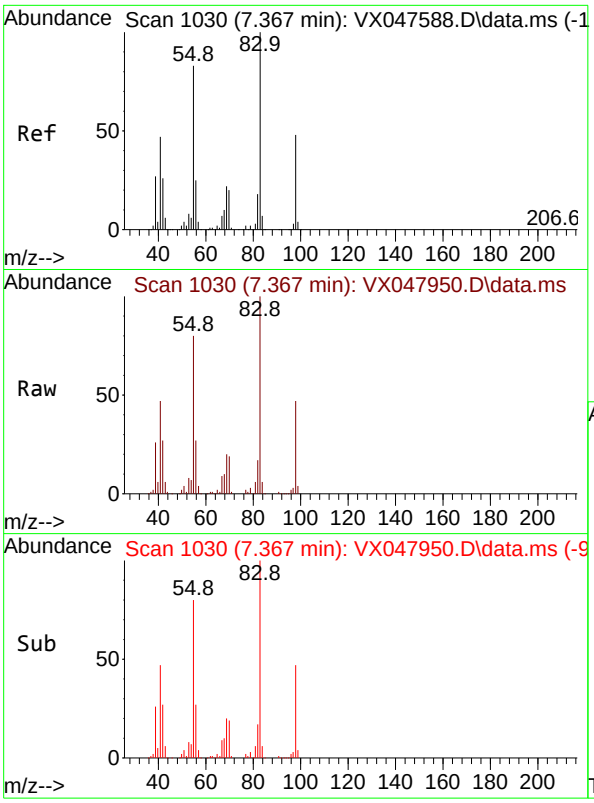


#38
Carbon Tetrachloride
Concen: 46.799 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:117 Resp: 118724

Ion	Ratio	Lower	Upper
117	100		
119	90.9	73.4	110.2
121	29.5	23.8	35.6



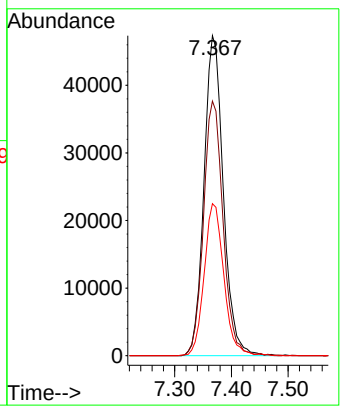


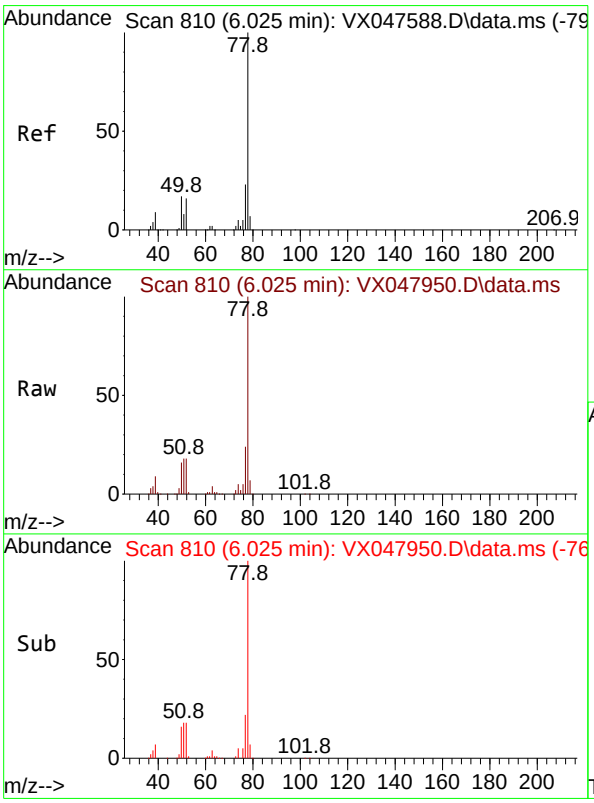
#39
Methylcyclohexane
Concen: 42.224 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 83 Resp: 111912

Ion	Ratio	Lower	Upper
83	100		
55	79.5	66.4	99.6
98	47.5	38.1	57.1

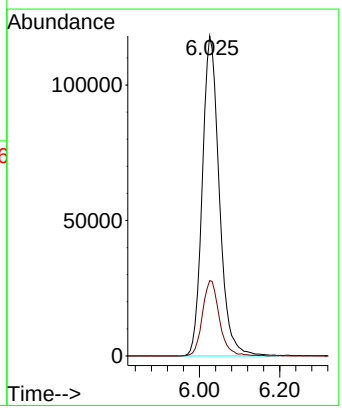


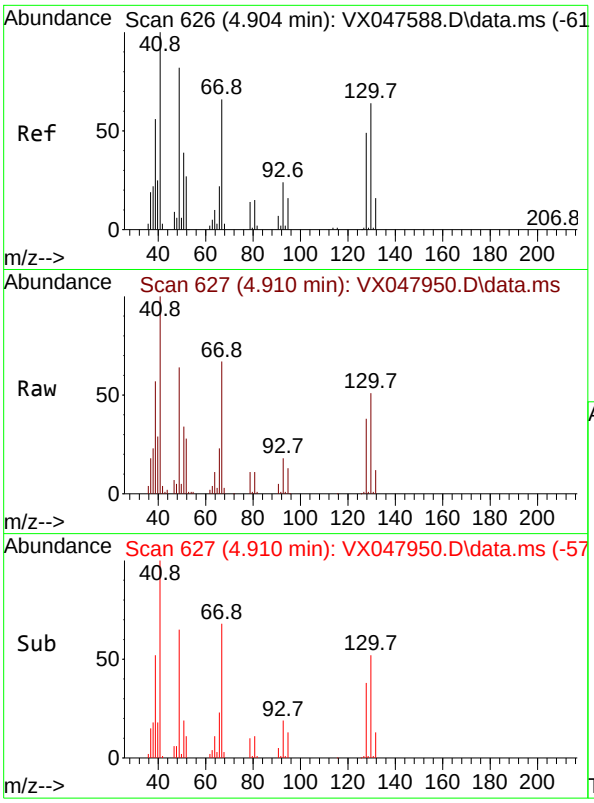


#40
Benzene
Concen: 48.936 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 78 Resp: 347041

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



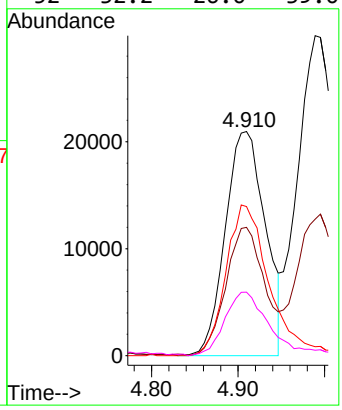


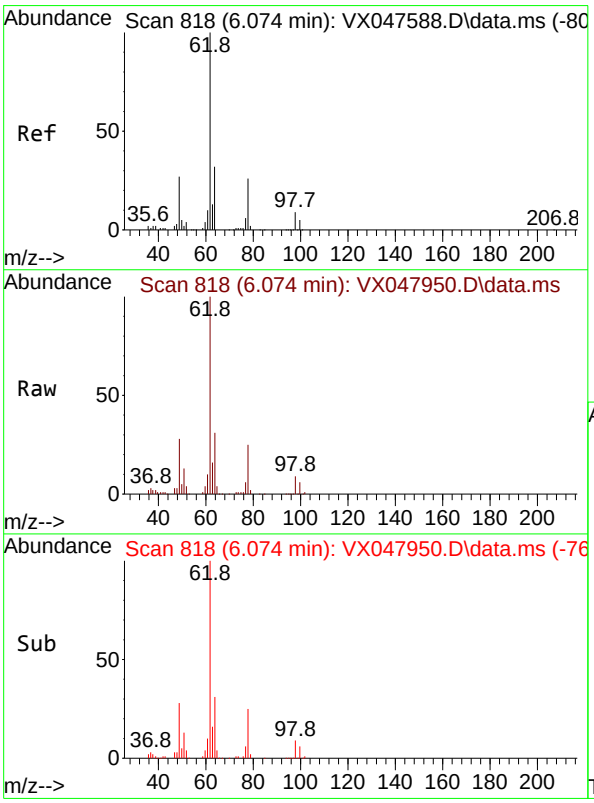
#41
Methacrylonitrile
Concen: 52.256 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 41 Resp: 67444

Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.3	64.9
67	74.2	58.6	87.8
52	32.2	26.0	39.0

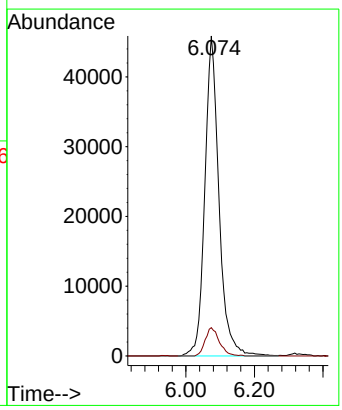


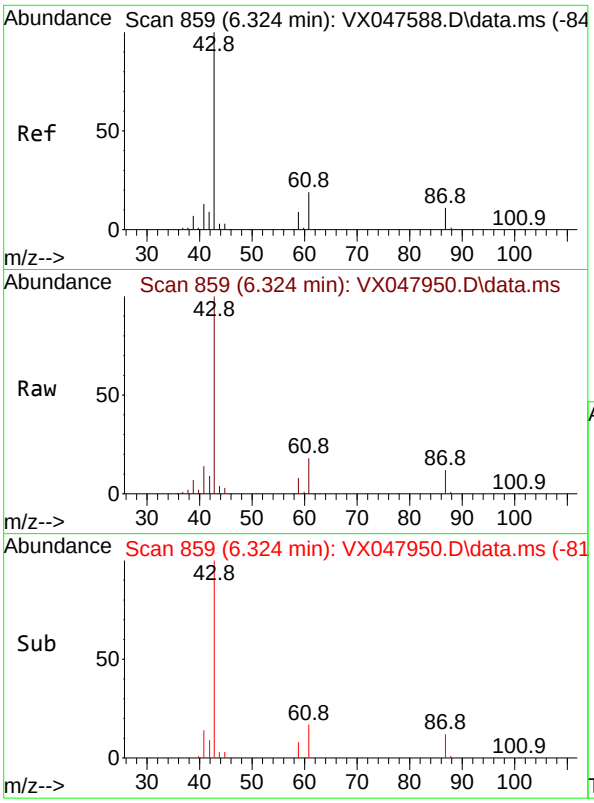


#42
1,2-Dichloroethane
Concen: 48.850 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 62 Resp: 131812

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



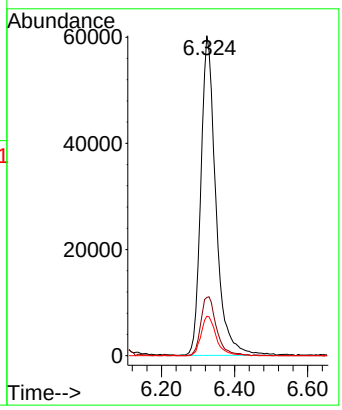


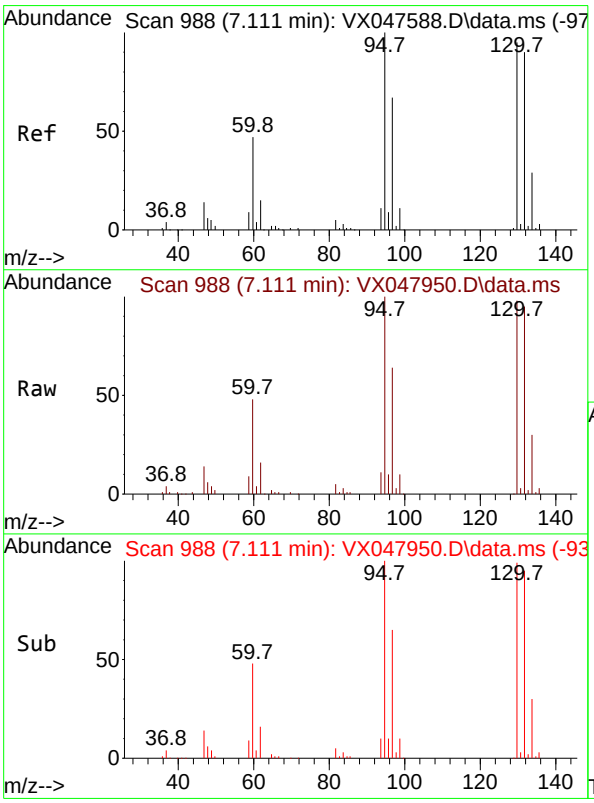
#43
Isopropyl Acetate
Concen: 41.805 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 43 Resp: 171409

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.5	9.6	14.4

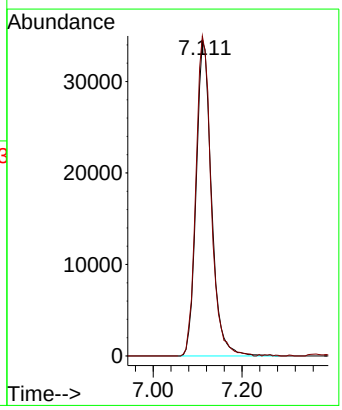


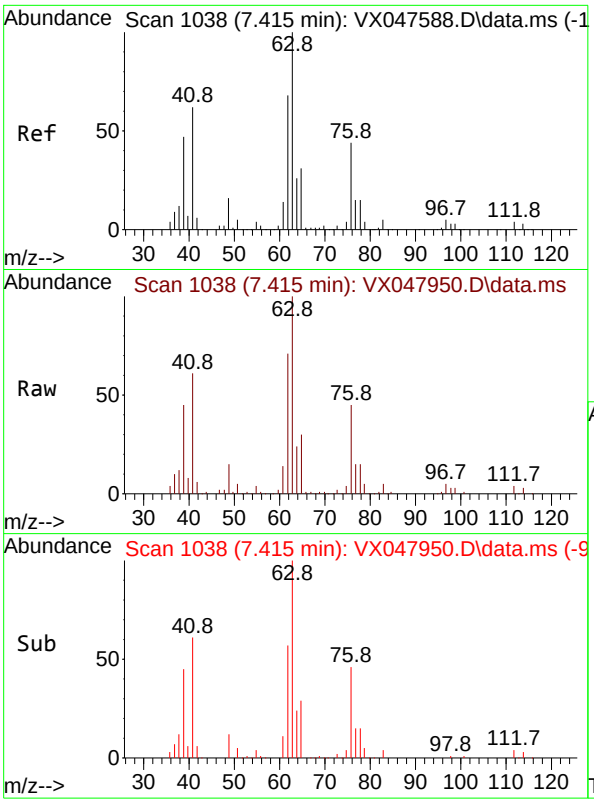


#44
Trichloroethene
Concen: 48.155 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:130 Resp: 82562

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	210.8



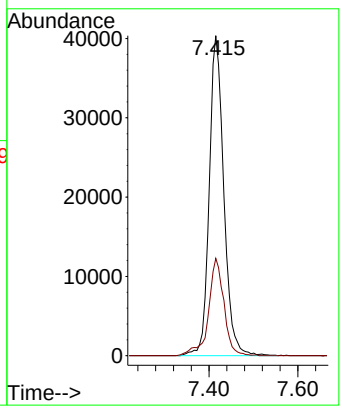


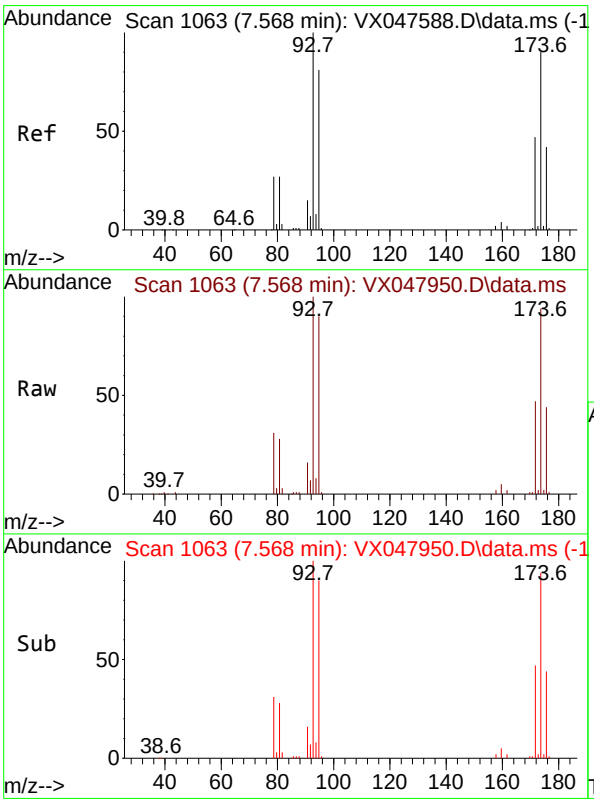
#45
1,2-Dichloropropane
Concen: 50.612 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 63 Resp: 91907

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1

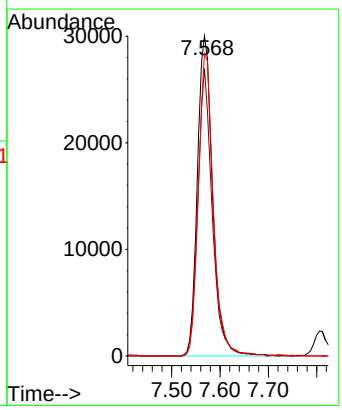


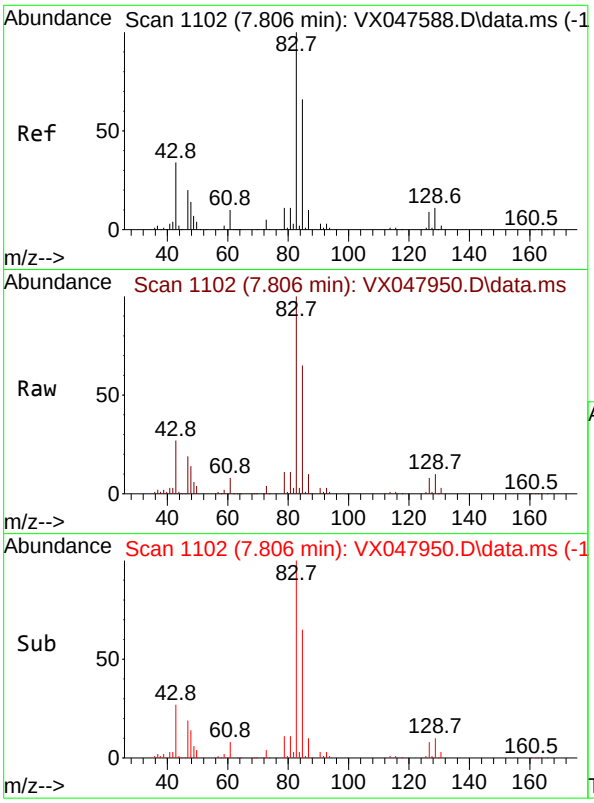


#46
Dibromomethane
Concen: 49.790 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 93 Resp: 65794

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.0	97.6
174	92.7	71.6	107.4



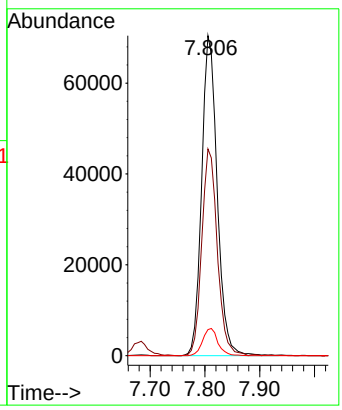


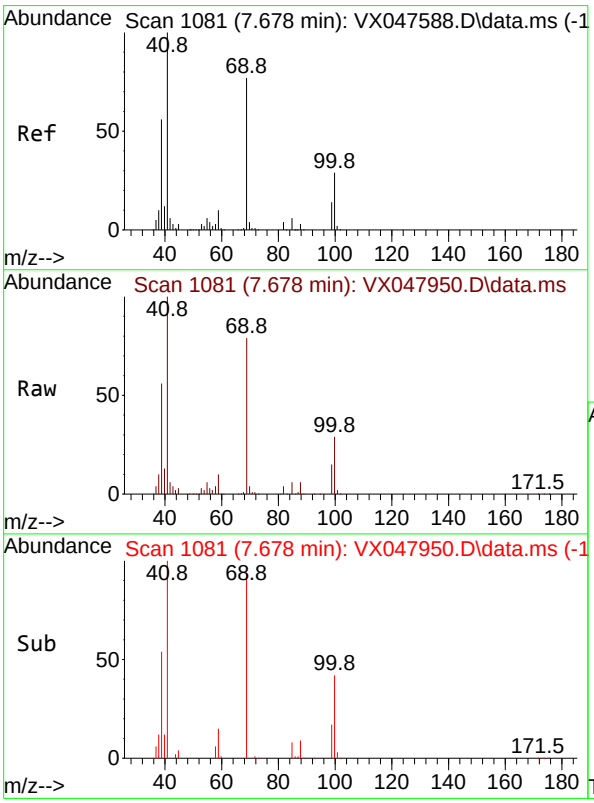
#47
Bromodichloromethane
Concen: 50.871 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 83 Resp: 138717

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.2	6.9	10.3

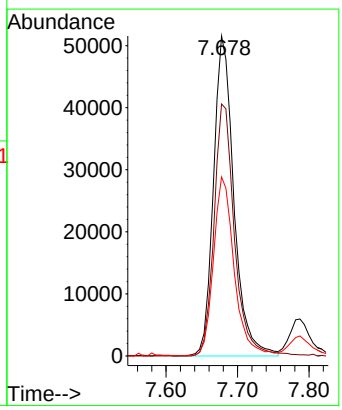


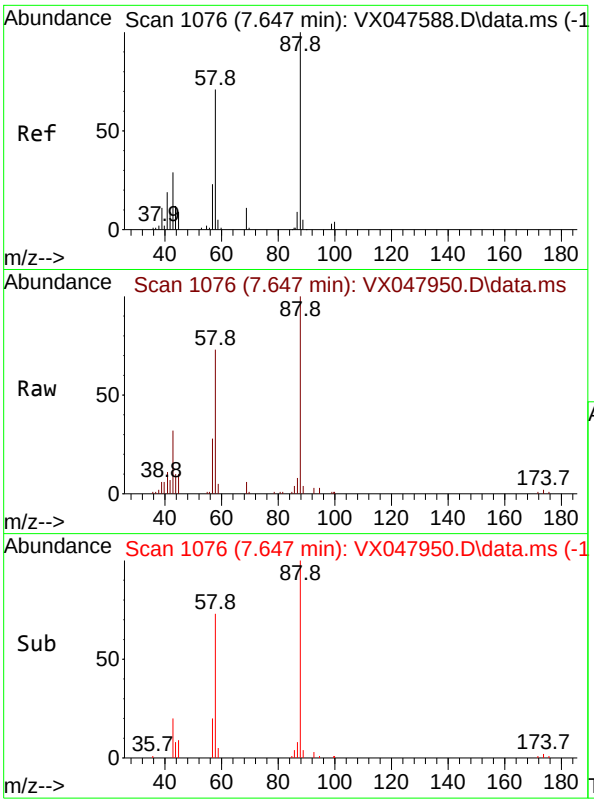


#48
Methyl methacrylate
Concen: 50.081 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 41 Resp: 102283

Ion	Ratio	Lower	Upper
41	100		
69	79.1	61.4	92.2
39	56.7	45.8	68.6



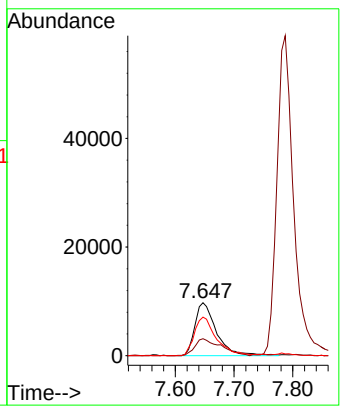


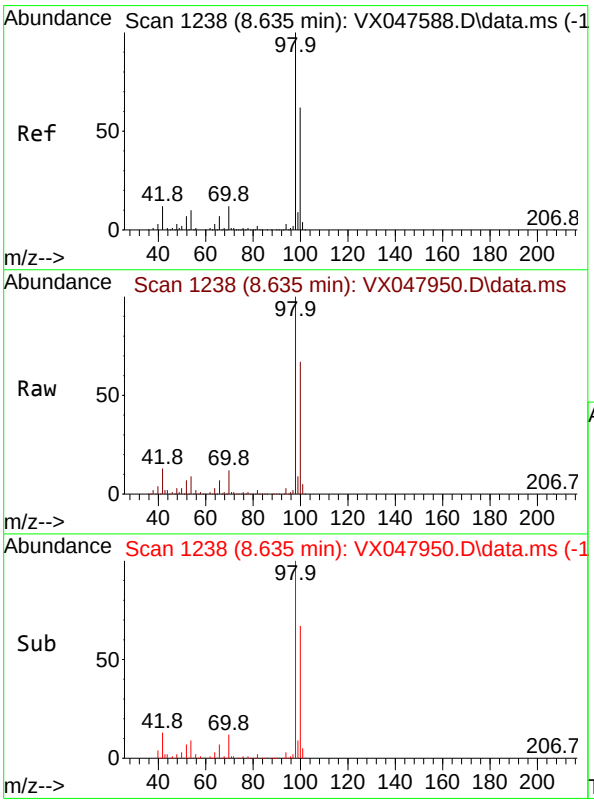
#49
1,4-Dioxane
Concen: 1200.873 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 88 Resp: 24786

Ion	Ratio	Lower	Upper
88	100		
43	38.7	30.2	45.2
58	74.9	59.5	89.3

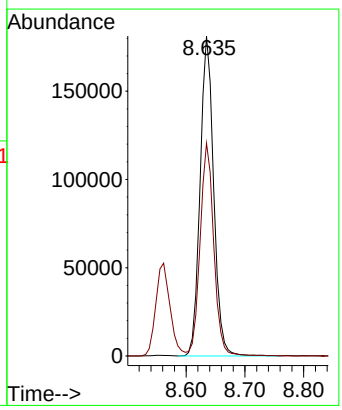


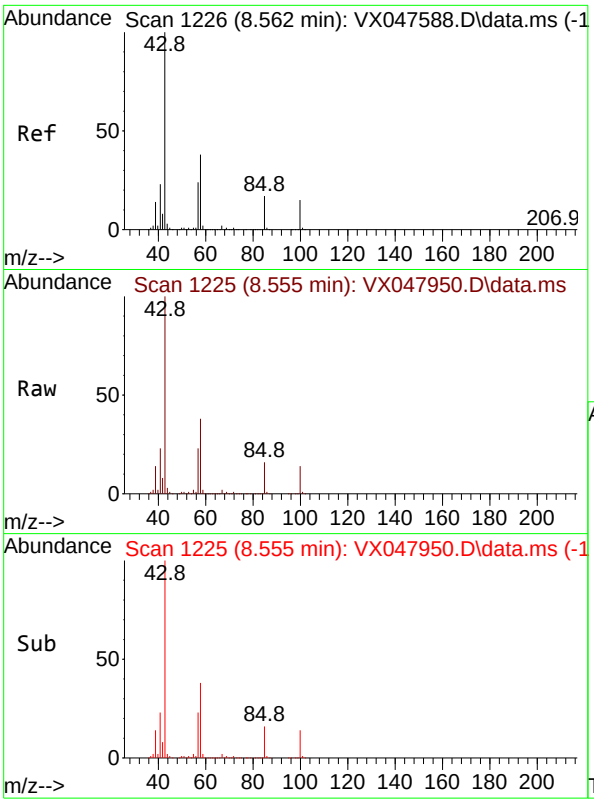


#50
Toluene-d8
Concen: 52.492 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 98 Resp: 290229

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



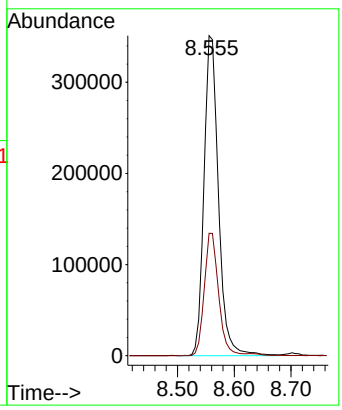


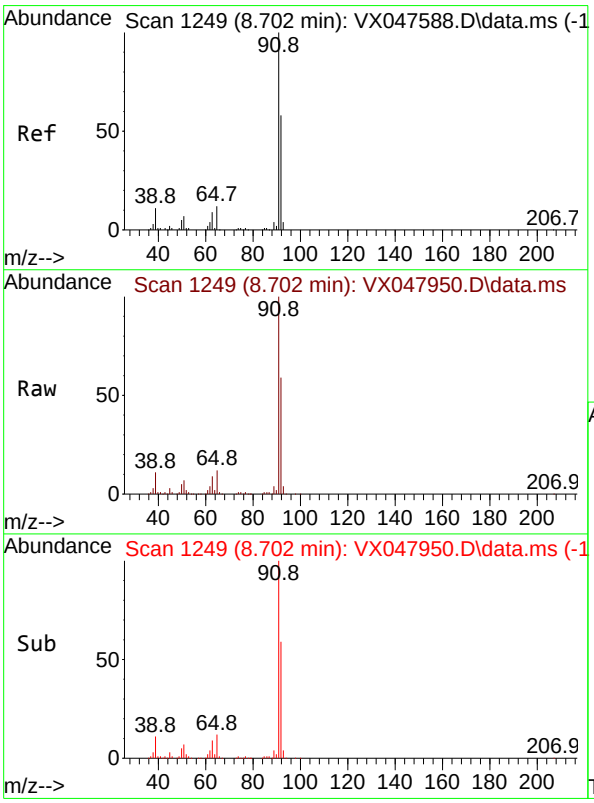
#51
4-Methyl-2-Pentanone
Concen: 272.773 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 43 Resp: 620097

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

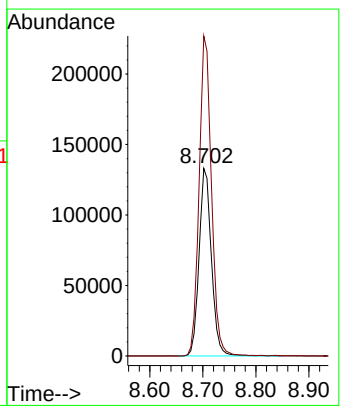


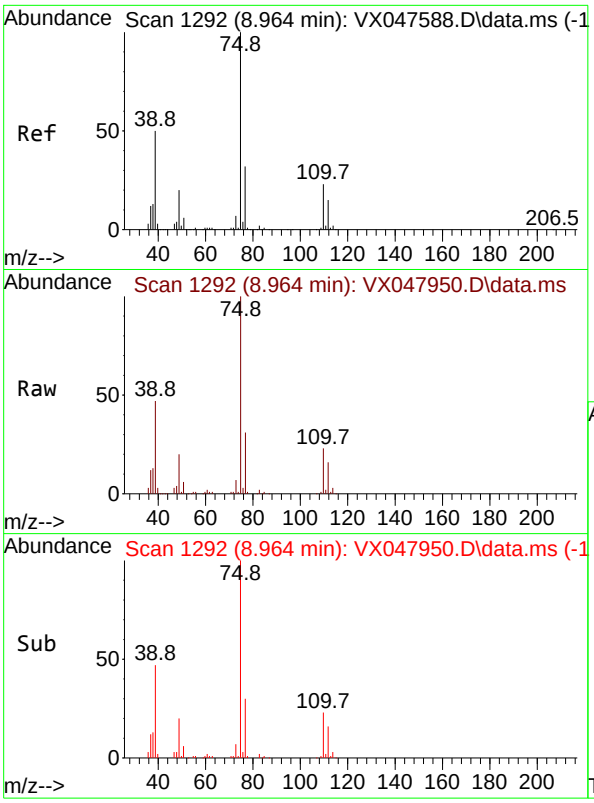


#52
Toluene
Concen: 49.189 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 92 Resp: 214913

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7



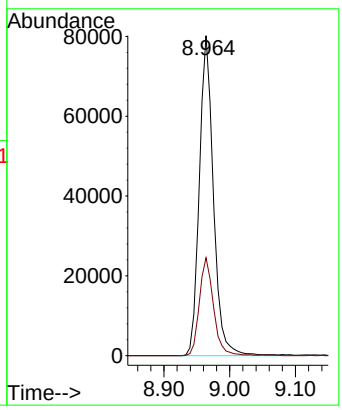


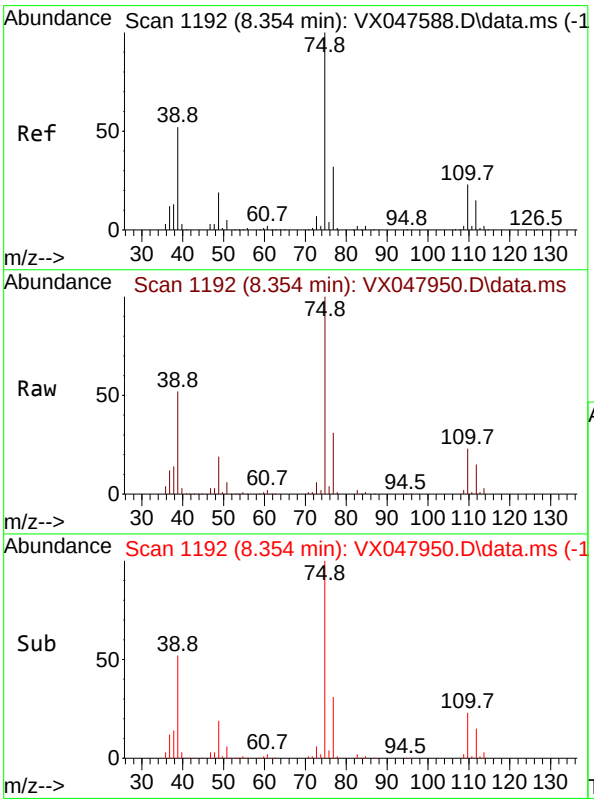
#53
t-1,3-Dichloropropene
Concen: 42.865 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 75 Resp: 119225

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

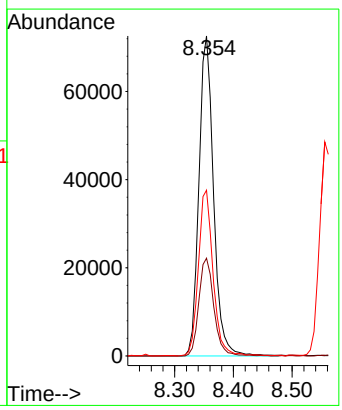


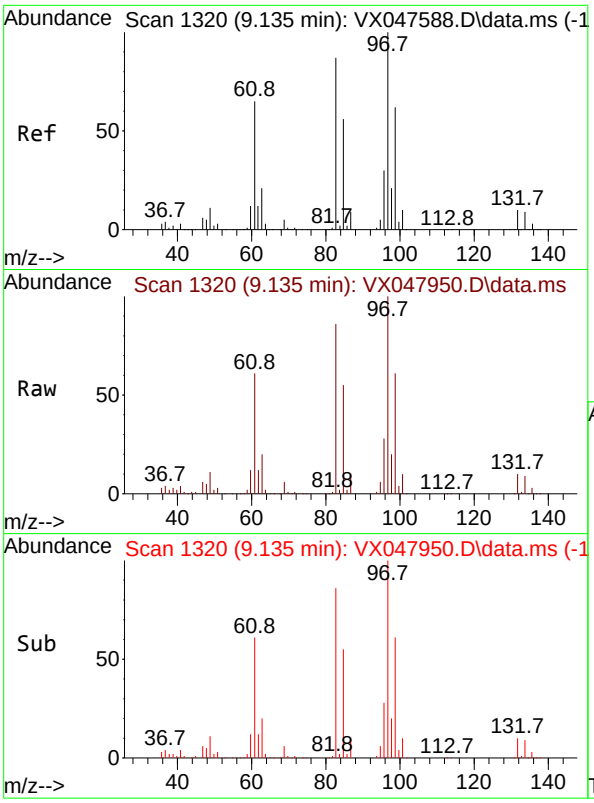


#54
cis-1,3-Dichloropropene
Concen: 42.239 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 125574

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	51.8	41.4	62.2



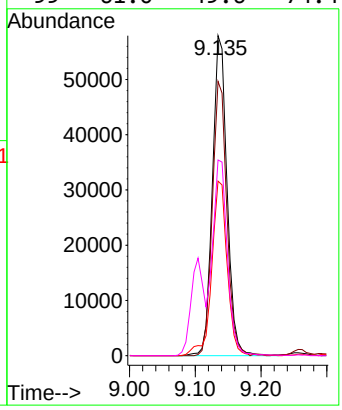


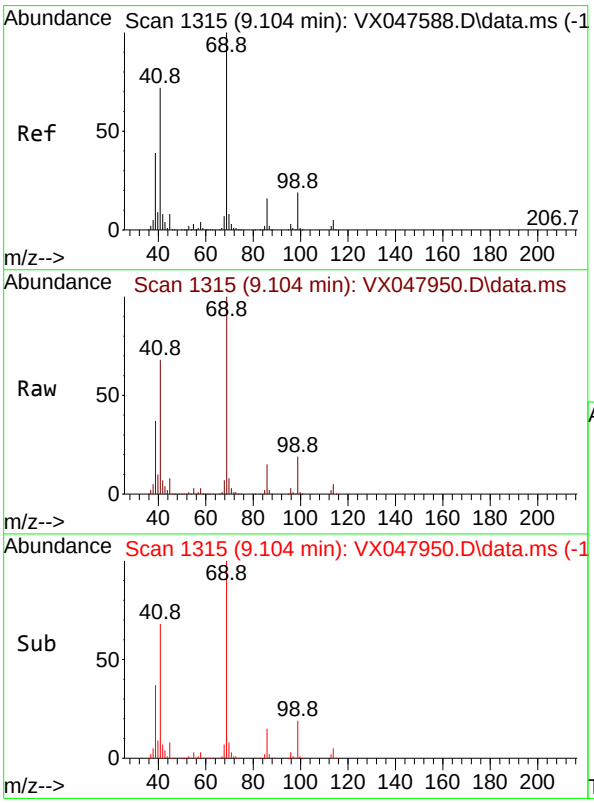
#55
1,1,2-Trichloroethane
Concen: 53.235 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 97 Resp: 89687

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.6	104.4
85	54.6	45.0	67.6
99	61.0	49.6	74.4

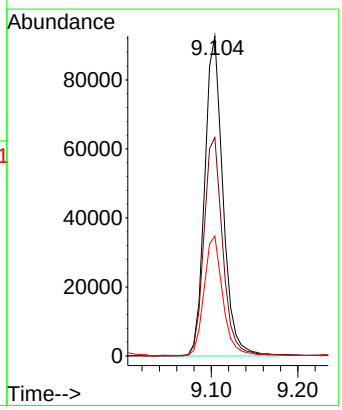


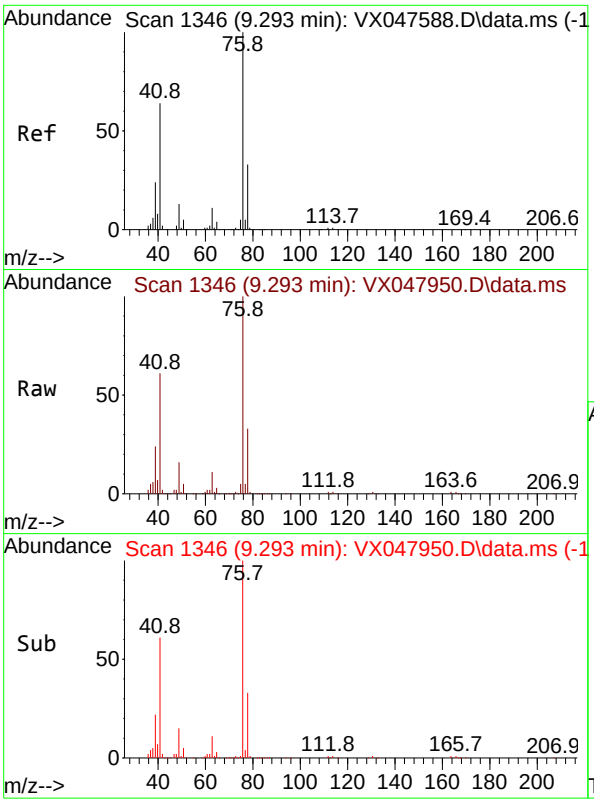


#56
Ethyl methacrylate
Concen: 51.180 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 69 Resp: 135413

Ion	Ratio	Lower	Upper
69	100		
41	71.0	58.6	87.8
39	38.4	31.5	47.3



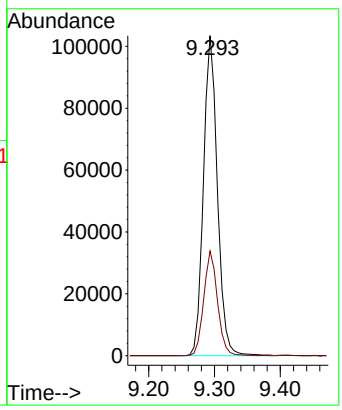


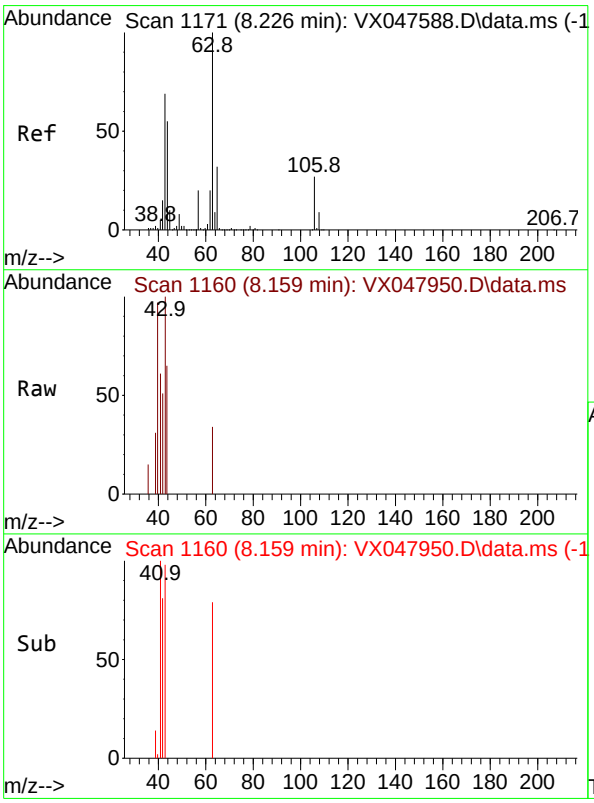
#57
1,3-Dichloropropane
Concen: 52.742 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 76 Resp: 152638

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

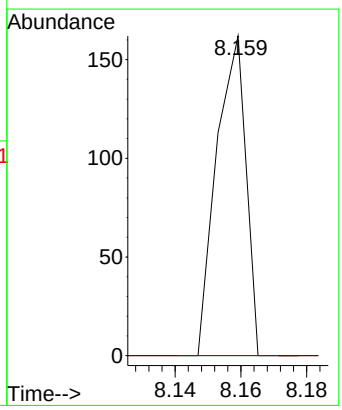


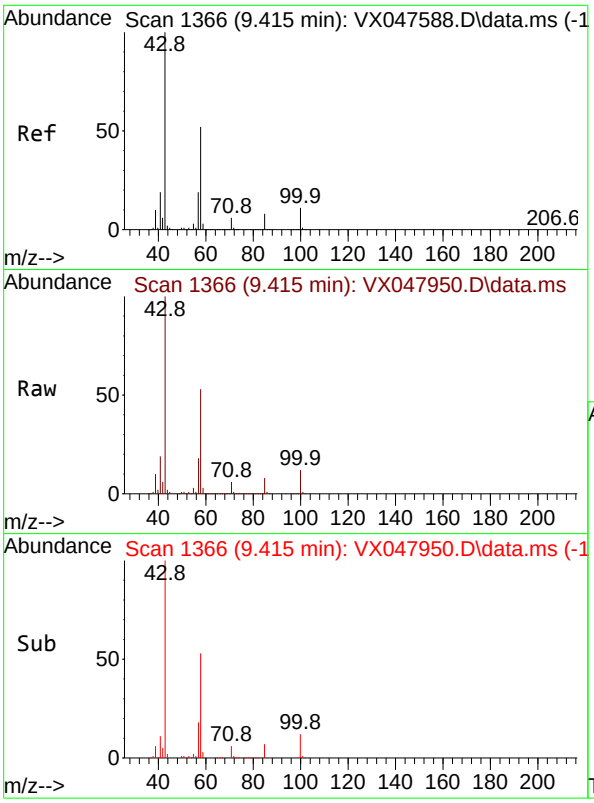


#58
2-Chloroethyl Vinyl ether
Concen: 7.973 ug/l
RT: 8.159 min Scan# 1160
Delta R.T. -0.067 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 63 Resp: 101

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#



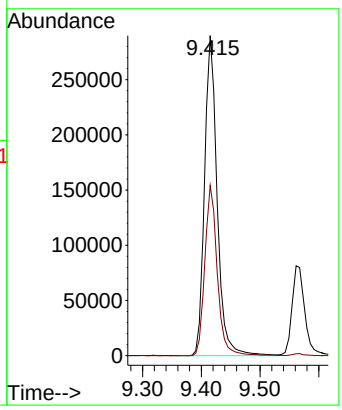


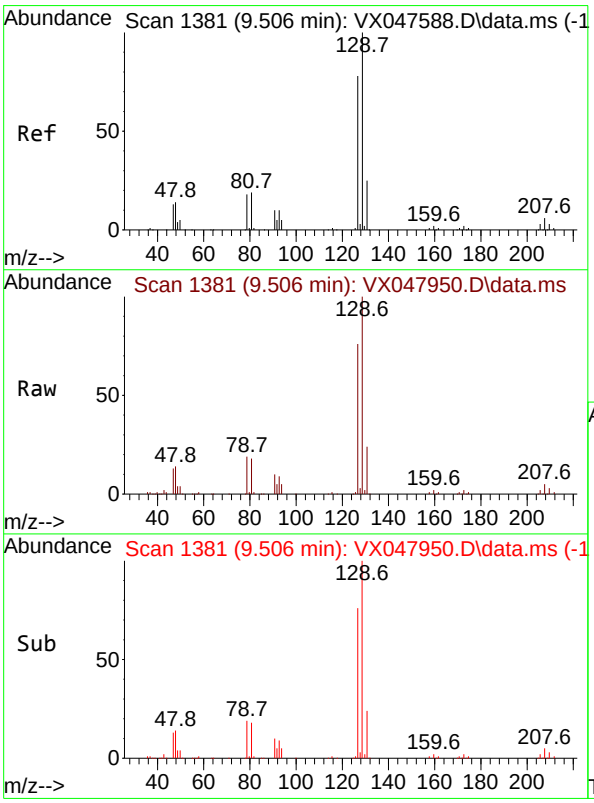
#59
2-Hexanone
Concen: 264.296 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 43 Resp: 431515

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

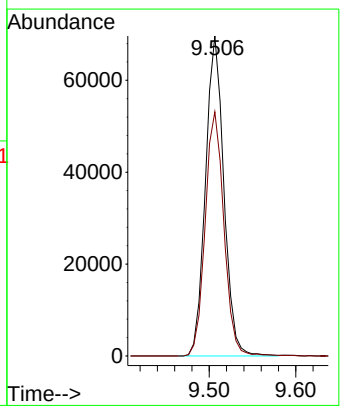


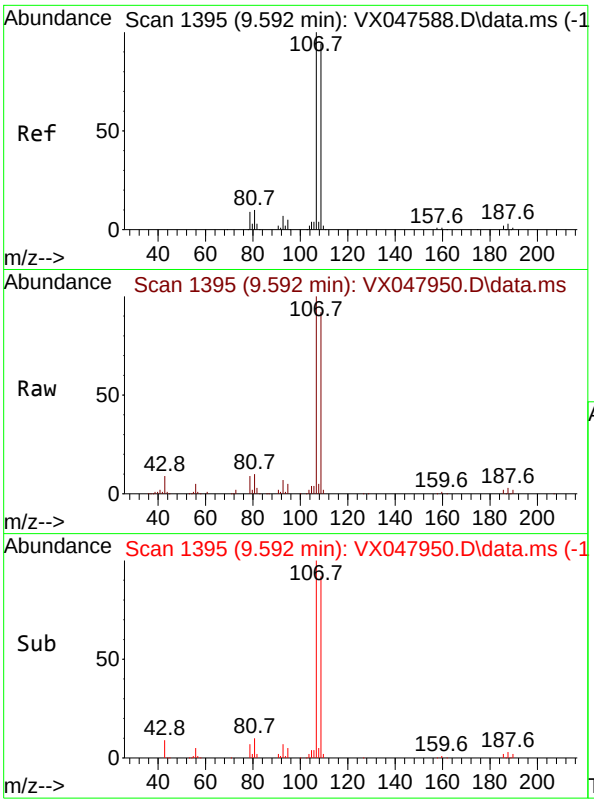


#60
Dibromochloromethane
Concen: 52.856 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:129 Resp: 102603

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2



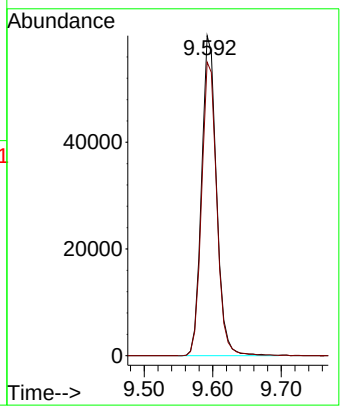


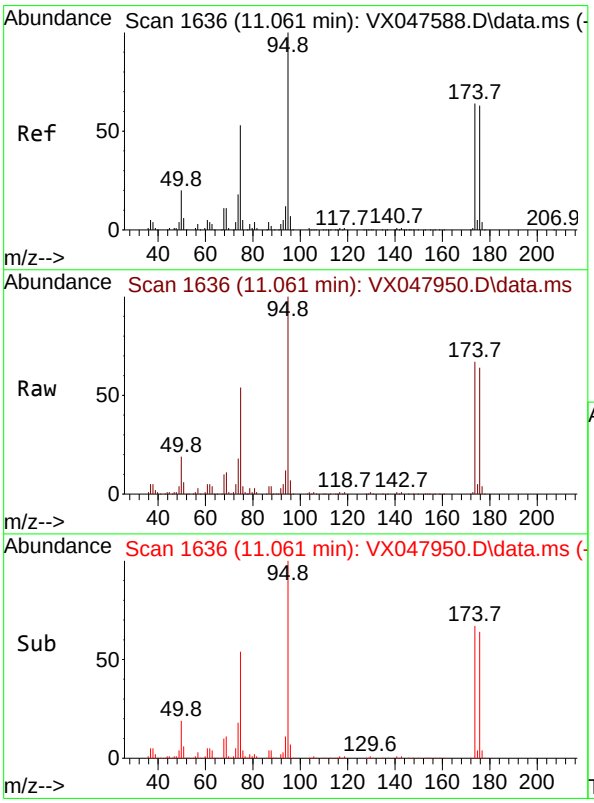
#61
1,2-Dibromoethane
Concen: 53.072 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:107 Resp: 91070

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.3	112.9

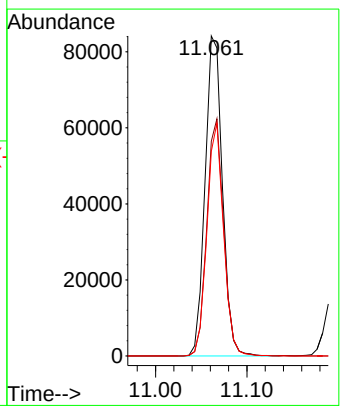


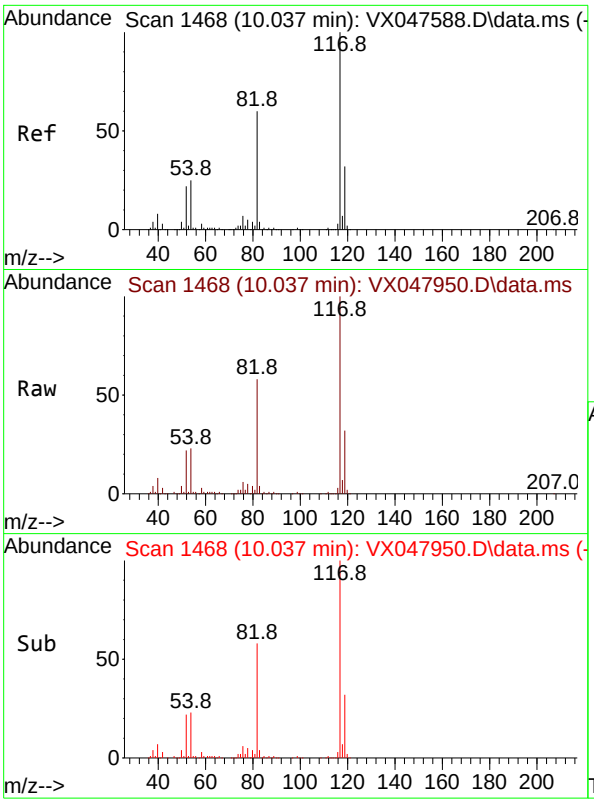


#62
4-Bromofluorobenzene
Concen: 52.601 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 95 Resp: 110376

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	69.8	0.0	138.4



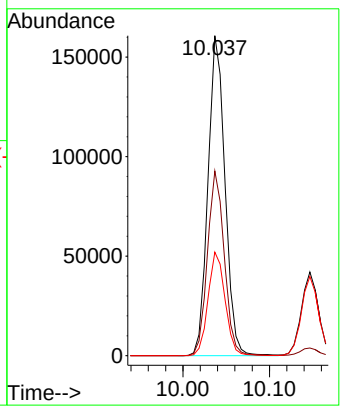


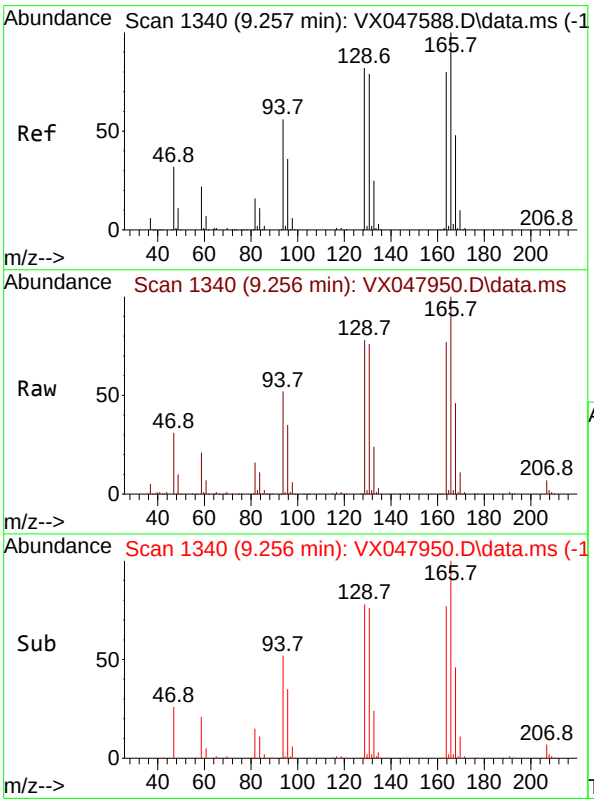
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:117 Resp: 219394

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.3	25.2	37.8

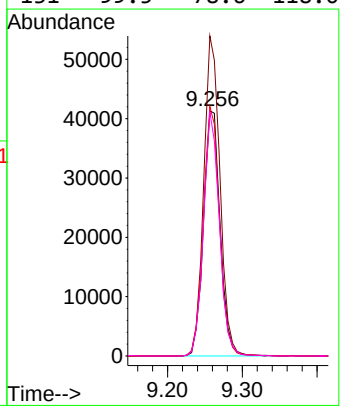


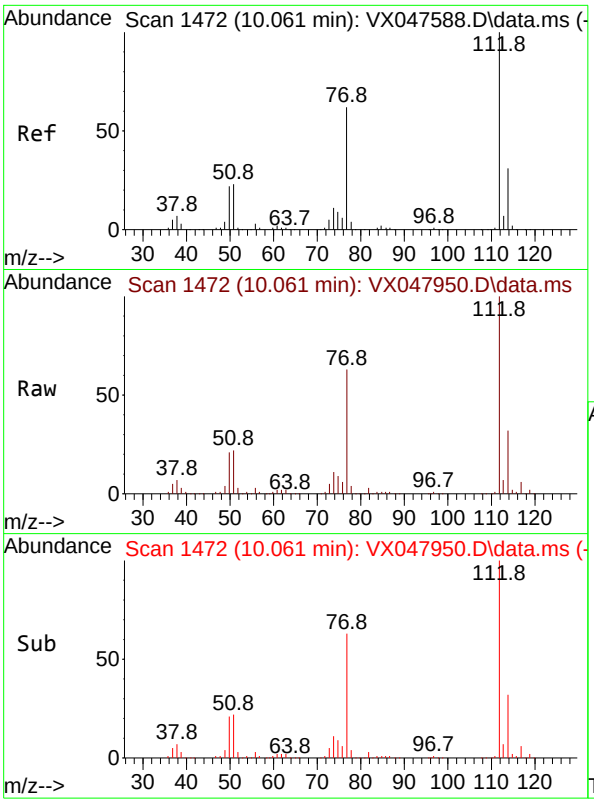


#64
Tetrachloroethene
Concen: 44.674 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:164 Resp: 63893

Ion	Ratio	Lower	Upper
164	100		
166	130.6	100.2	150.2
129	101.8	81.8	122.6
131	99.5	78.6	118.0



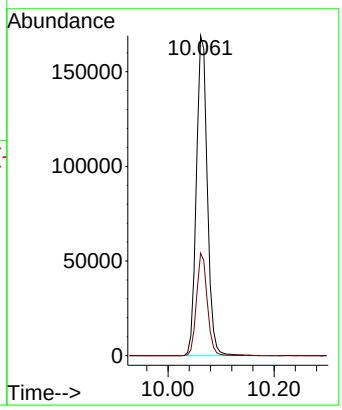


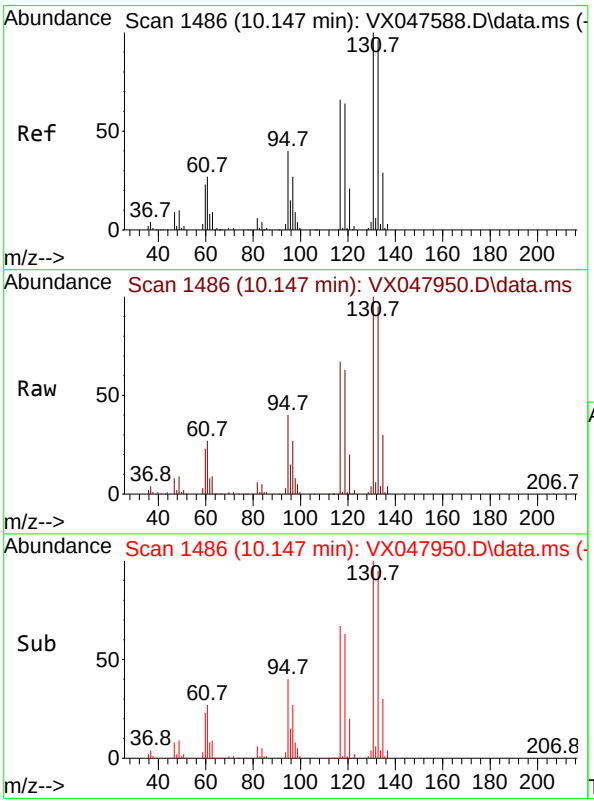
#65
Chlorobenzene
Concen: 48.409 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:112 Resp: 241281

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

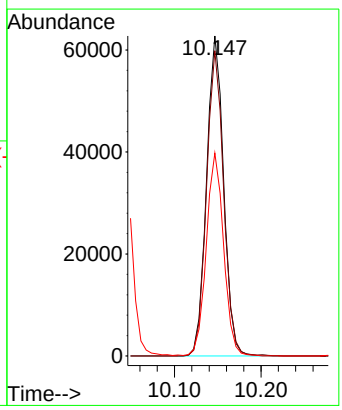


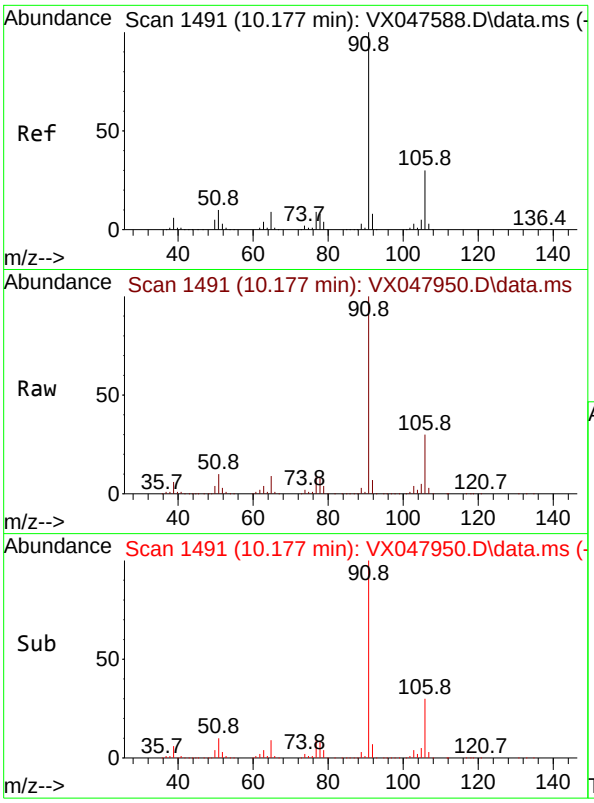


#66
1,1,1,2-Tetrachloroethane
Concen: 50.052 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:131 Resp: 86085

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	142.0
119	64.3	32.0	96.0



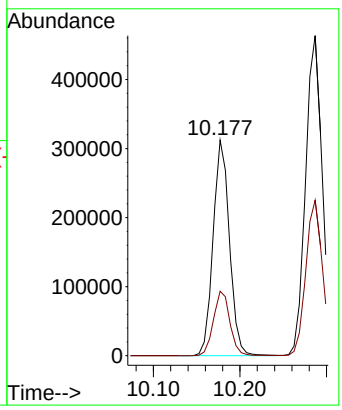


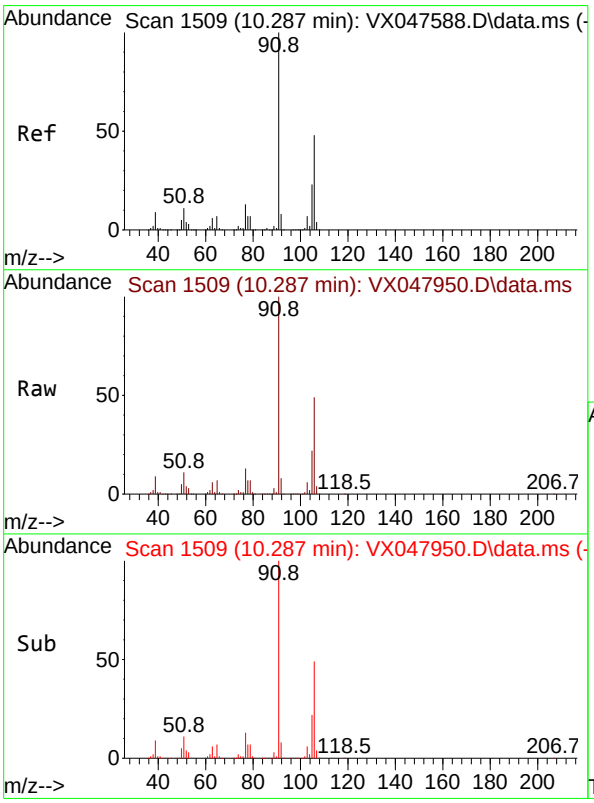
#67
Ethyl Benzene
Concen: 47.549 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 91 Resp: 408915

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5

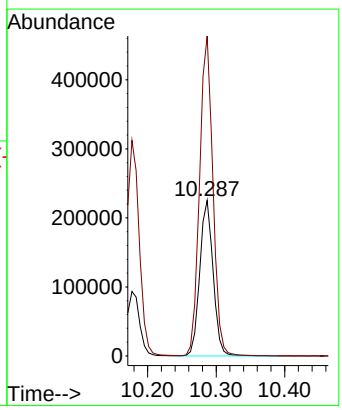


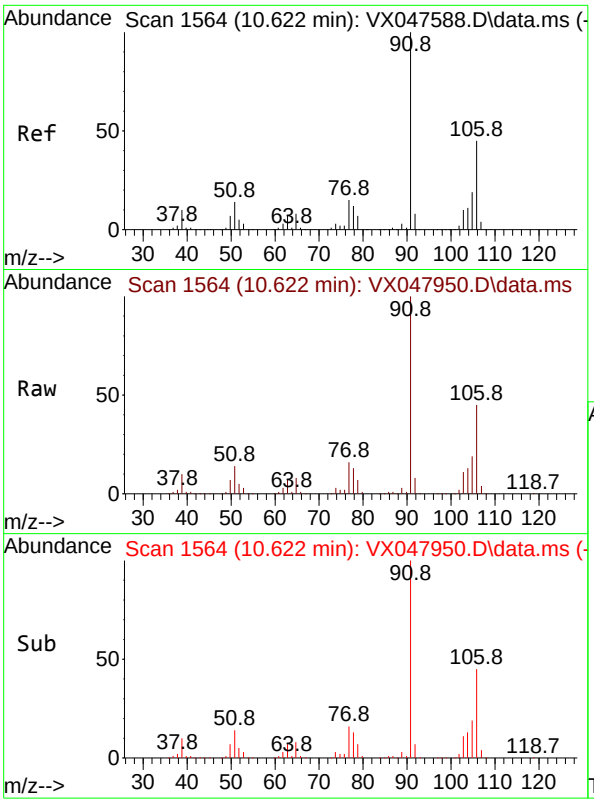


#68
m/p-Xylenes
Concen: 95.548 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:106 Resp: 305843

Ion	Ratio	Lower	Upper
106	100		
91	205.7	167.8	251.8



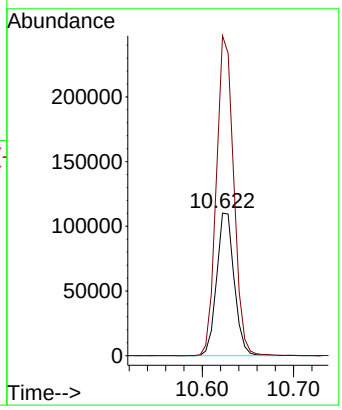


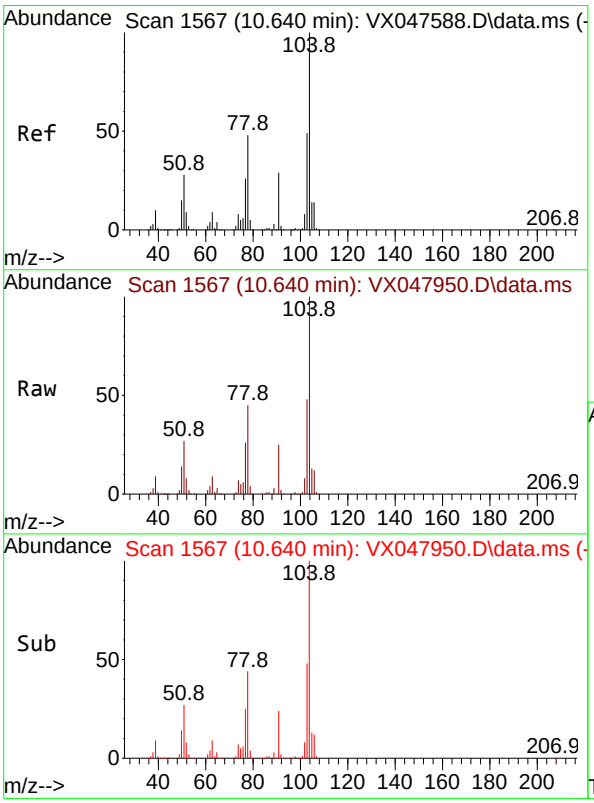
#69
o-Xylene
Concen: 47.620 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:106 Resp: 147434

Ion	Ratio	Lower	Upper
106	100		
91	222.2	111.1	333.4

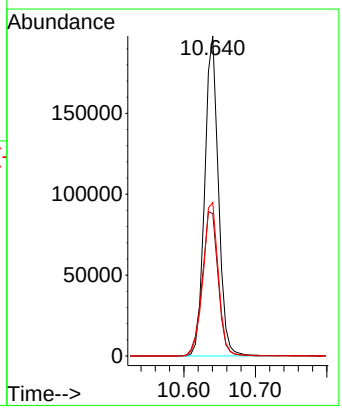


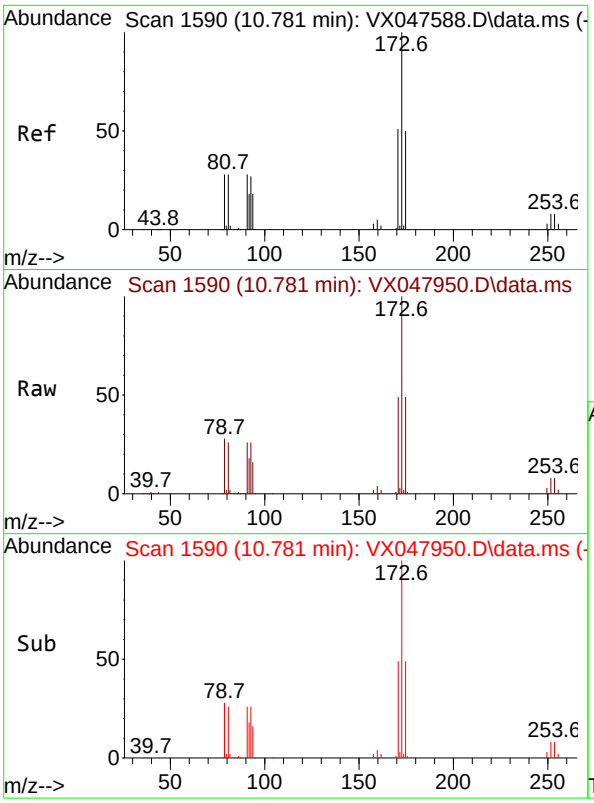


#70
Styrene
Concen: 48.612 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:104 Resp: 263713

Ion	Ratio	Lower	Upper
104	100		
78	52.3	43.1	64.7
103	53.5	43.1	64.7



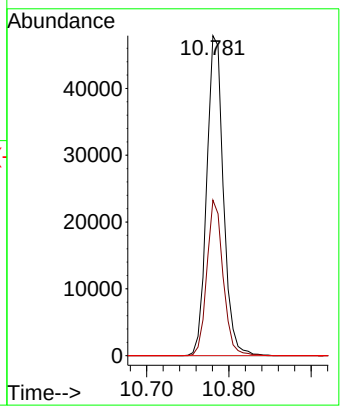


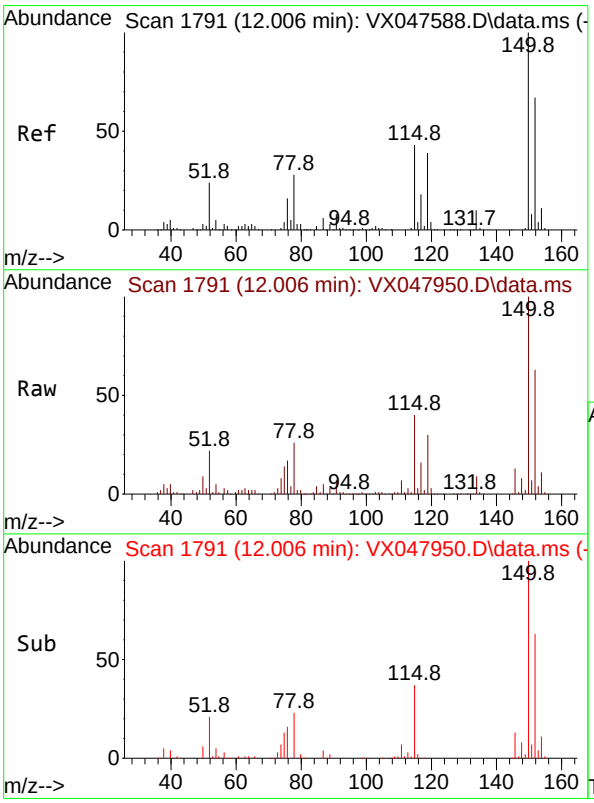
#71
Bromoform
Concen: 52.294 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:173 Resp: 67158

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1#

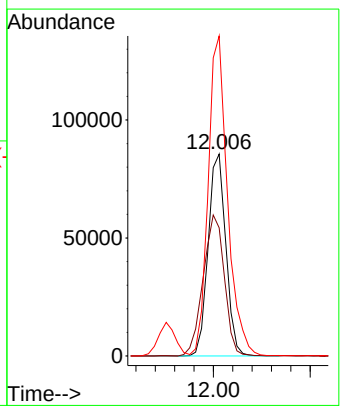


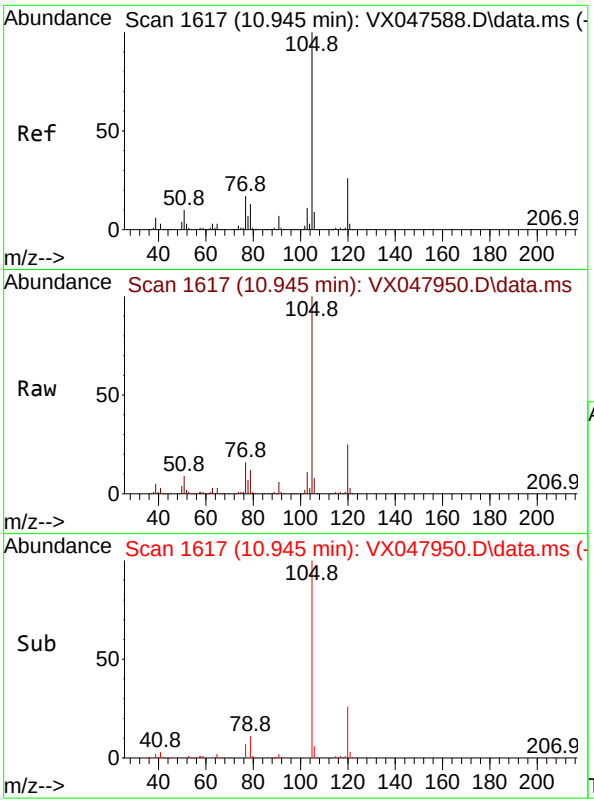


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:152 Resp: 109020

Ion	Ratio	Lower	Upper
152	100		
115	83.7	44.9	134.5
150	172.2	0.0	352.0



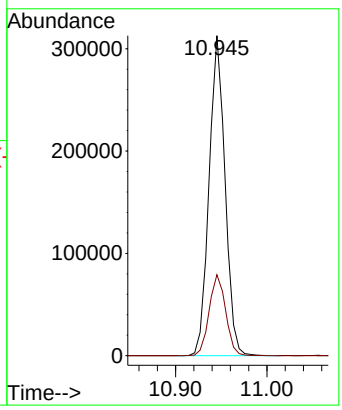


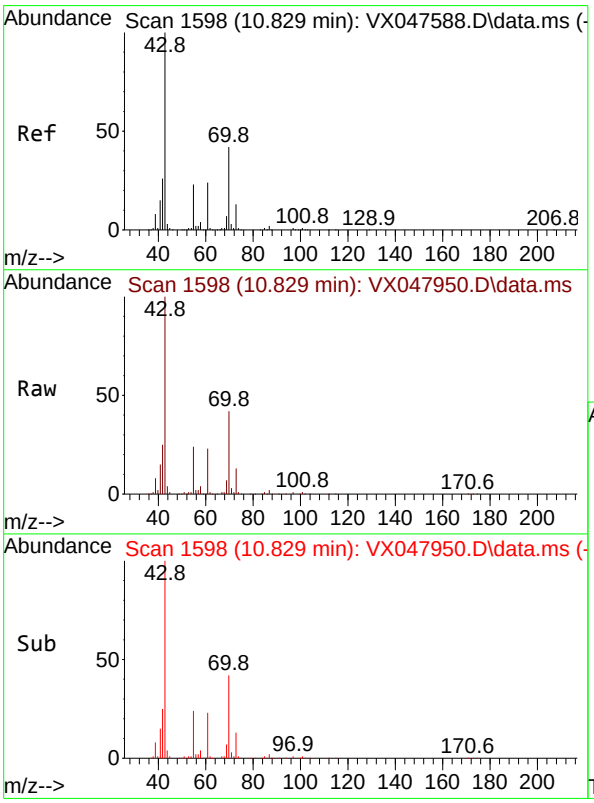
#73
Isopropylbenzene
Concen: 45.680 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:105 Resp: 378611

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

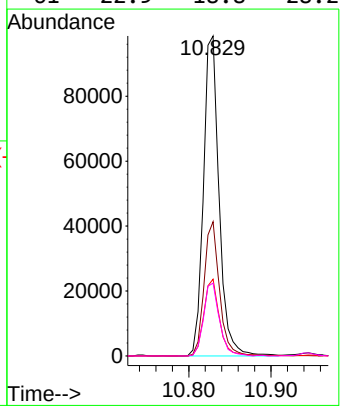


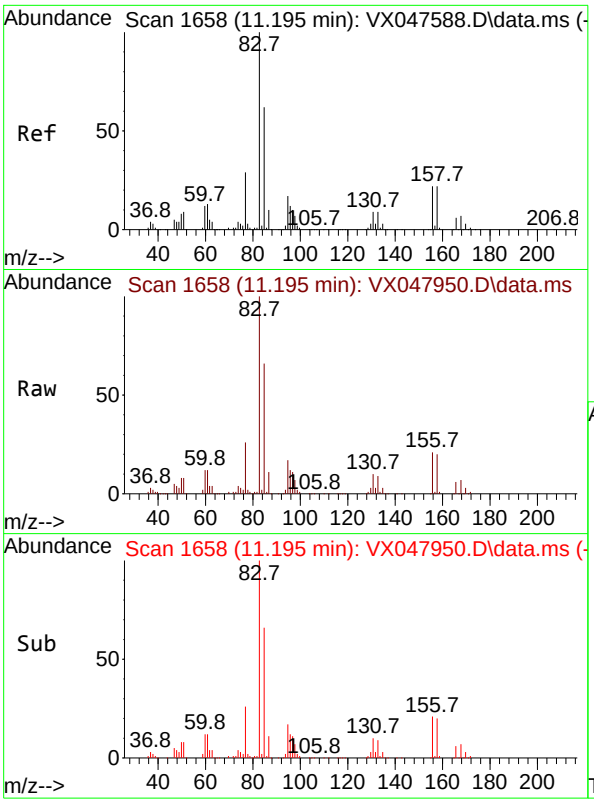


#74
N-amyl acetate
Concen: 34.536 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 43 Resp: 130534

Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.0	48.0
55	24.2	18.9	28.3
61	22.9	18.8	28.2



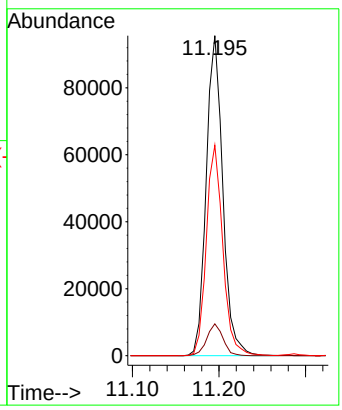


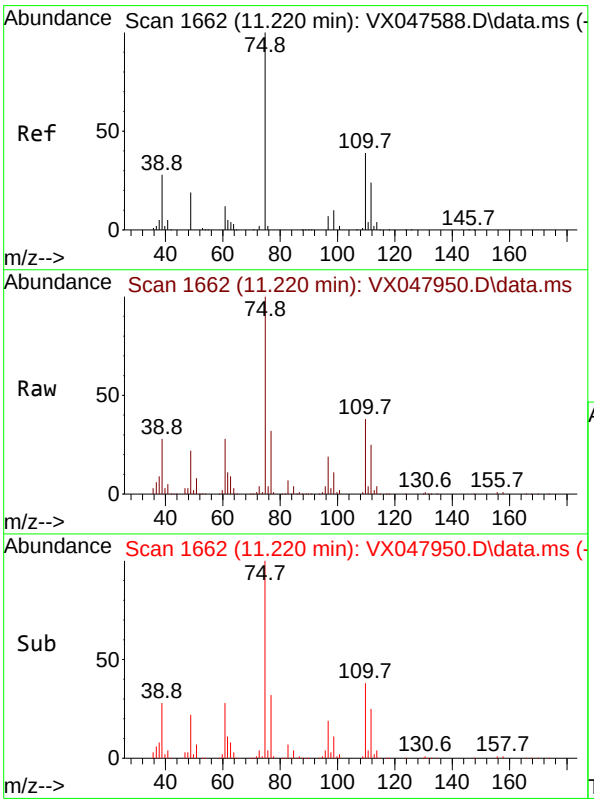
#75
1,1,2,2-Tetrachloroethane
Concen: 50.725 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 83 Resp: 127200

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.5	31.6	95.0

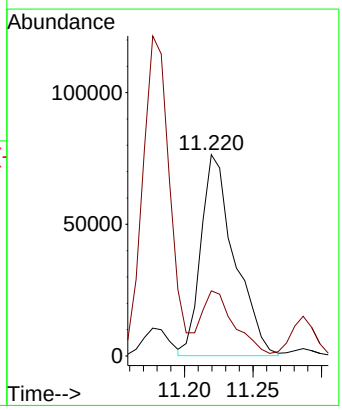


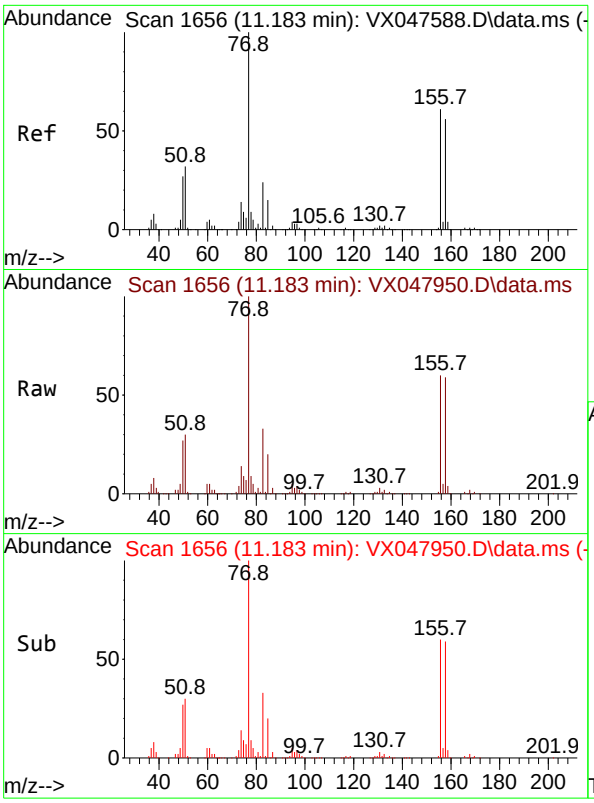


#76
1,2,3-Trichloropropane
Concen: 59.029 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 130295

Ion	Ratio	Lower	Upper
75	100		
77	30.4	18.8	56.4



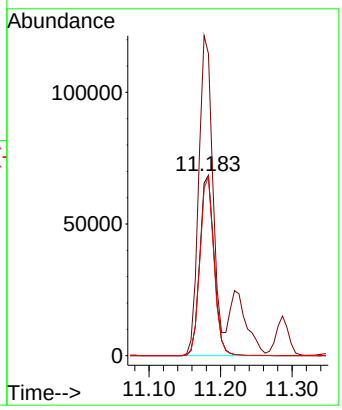


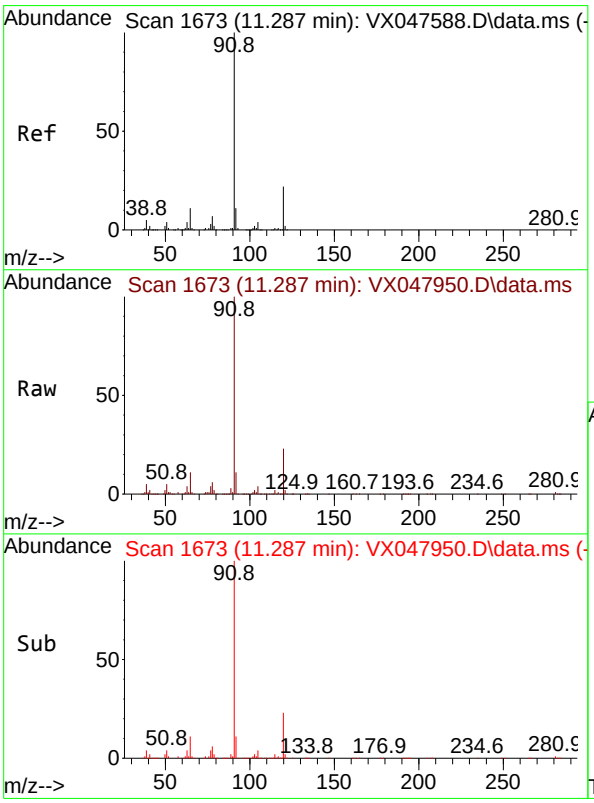
#77
Bromobenzene
Concen: 46.539 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:156 Resp: 95003

Ion	Ratio	Lower	Upper
156	100		
77	173.5	89.7	269.1
158	97.6	47.9	143.6

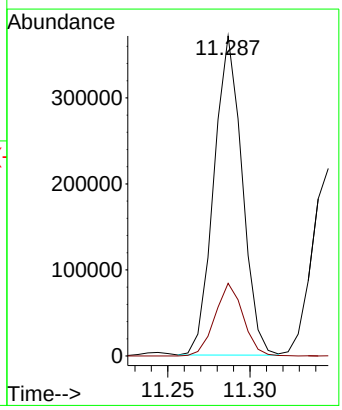


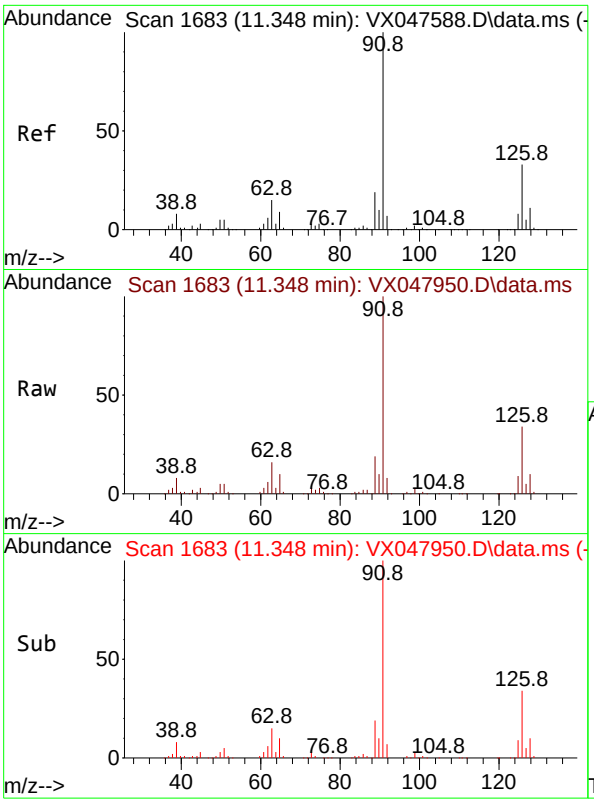


#78
n-propylbenzene
Concen: 45.255 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 443409

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



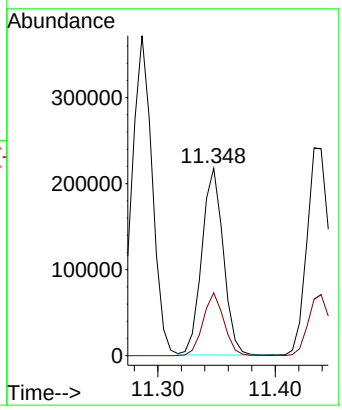


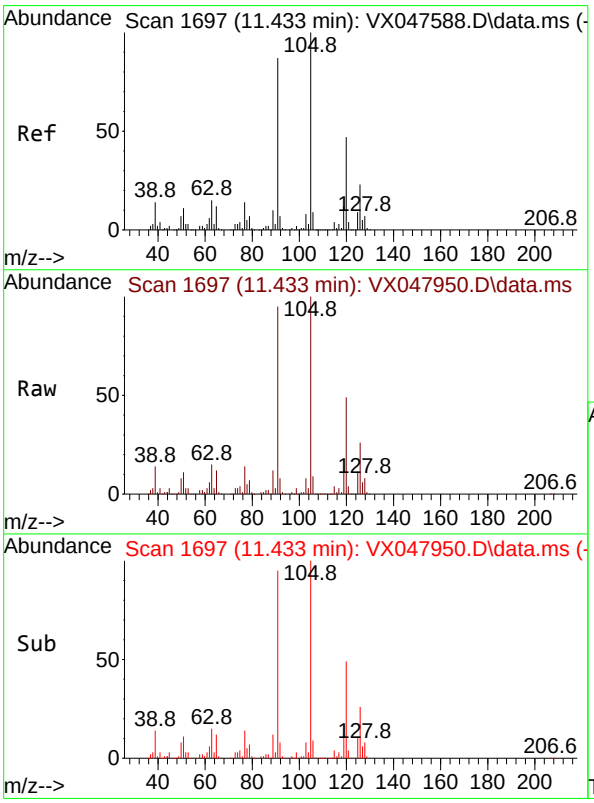
#79
2-Chlorotoluene
Concen: 45.910 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 91 Resp: 275505

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

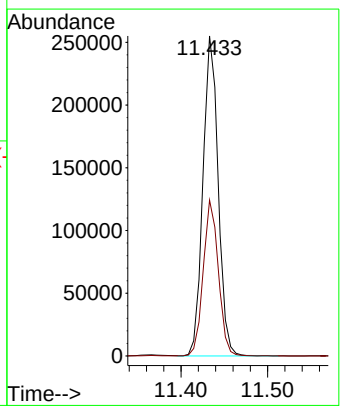


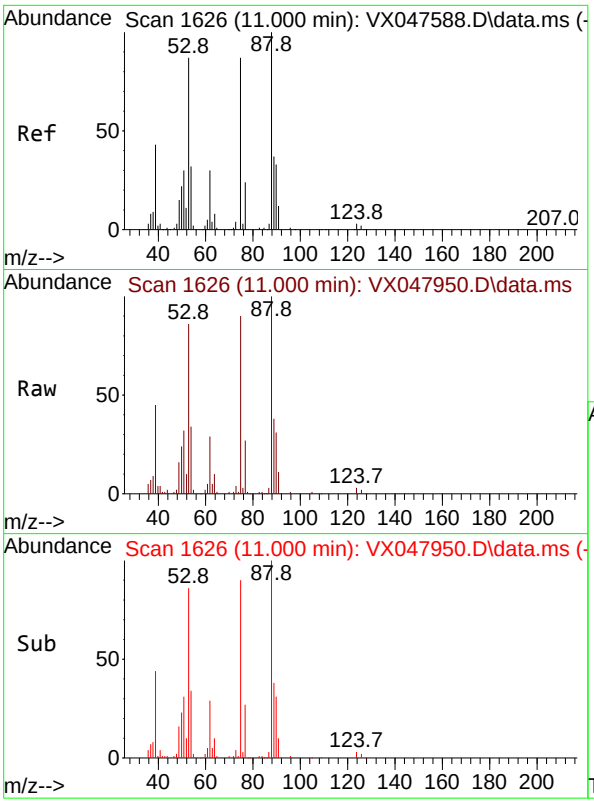


#80
1,3,5-Trimethylbenzene
Concen: 45.705 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:105 Resp: 311235

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8



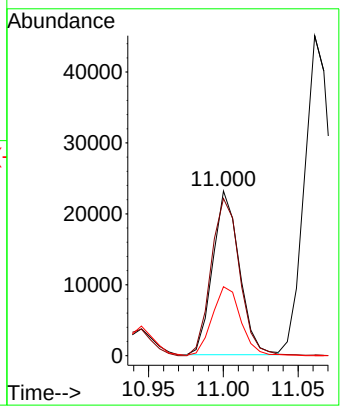


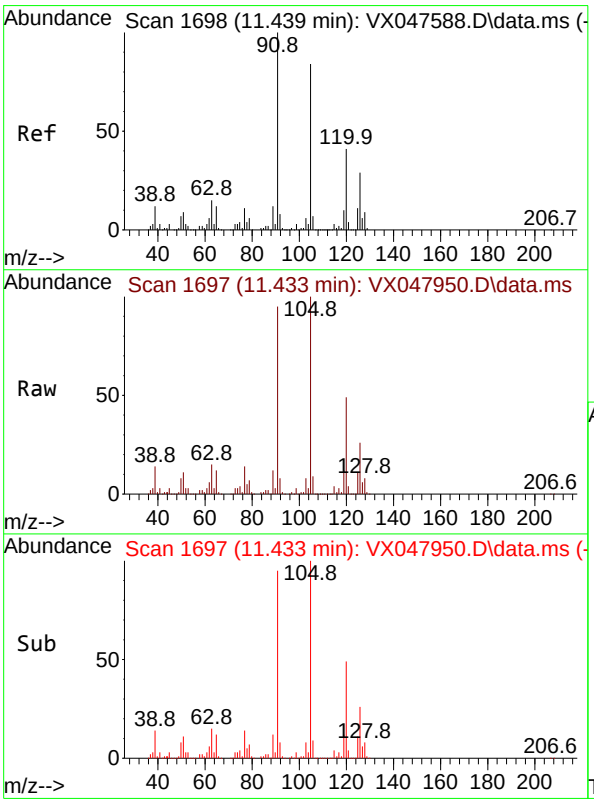
#81
trans-1,4-Dichloro-2-butene
Concen: 33.095 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 75 Resp: 28646

Ion	Ratio	Lower	Upper
75	100		
53	103.3	83.4	125.2
89	45.2	36.3	54.5

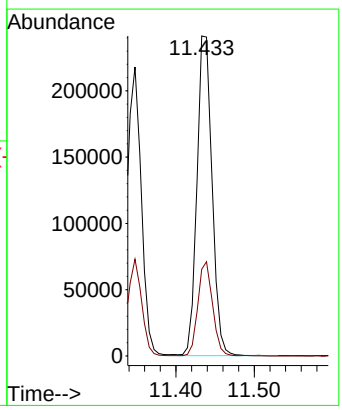


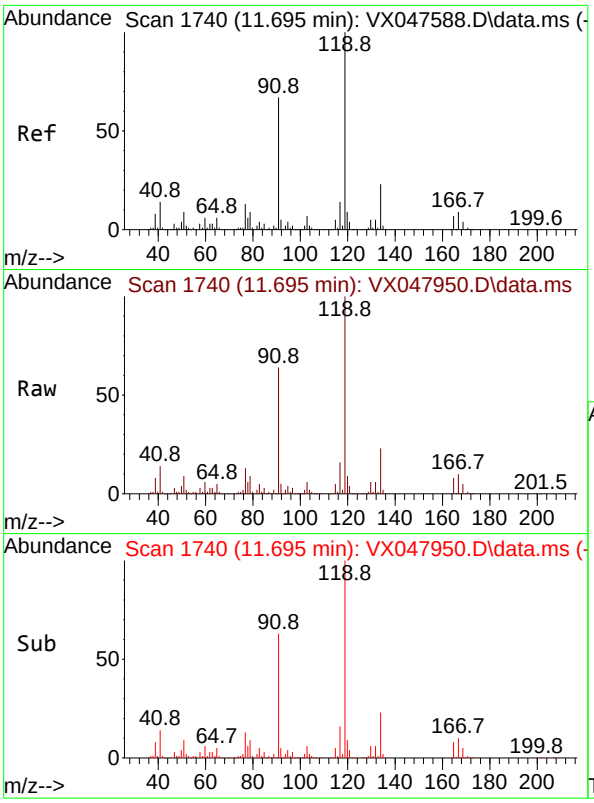


#82
4-Chlorotoluene
Concen: 45.720 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 91 Resp: 324041

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



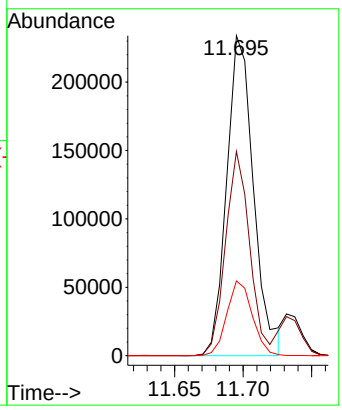


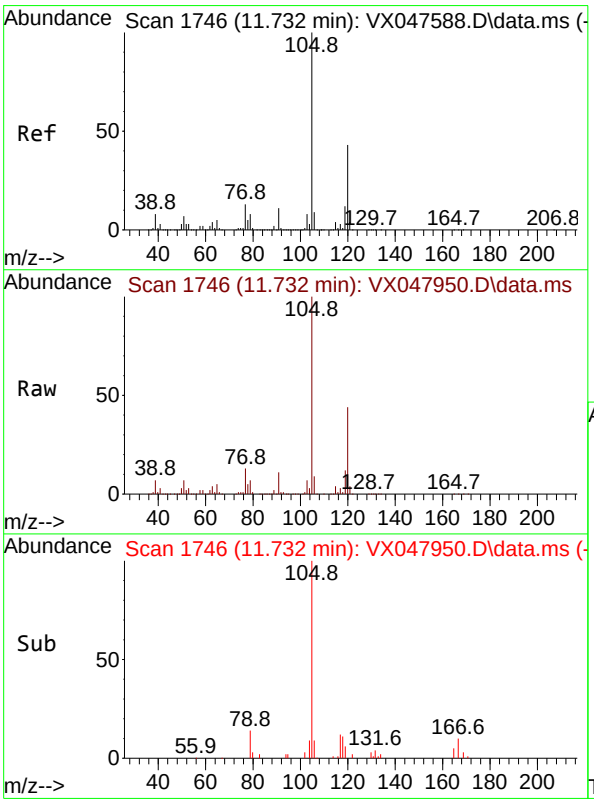
#83
tert-Butylbenzene
Concen: 45.788 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:119 Resp: 319186

Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.6	88.8
134	22.2	11.0	33.0

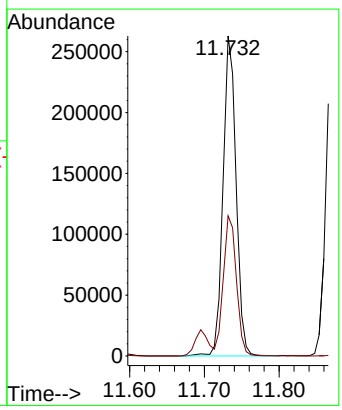


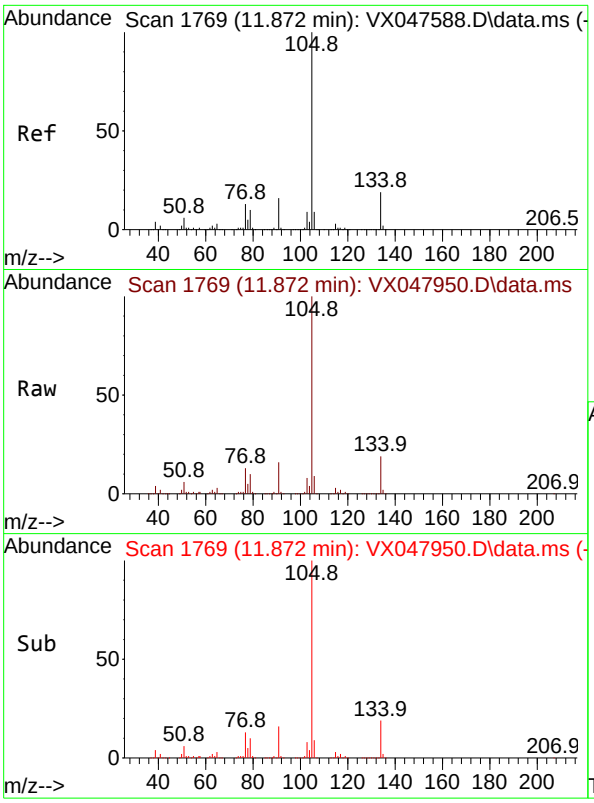


#84
1,2,4-Trimethylbenzene
Concen: 46.098 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:105 Resp: 318257

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



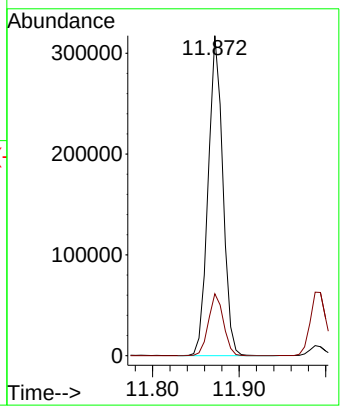


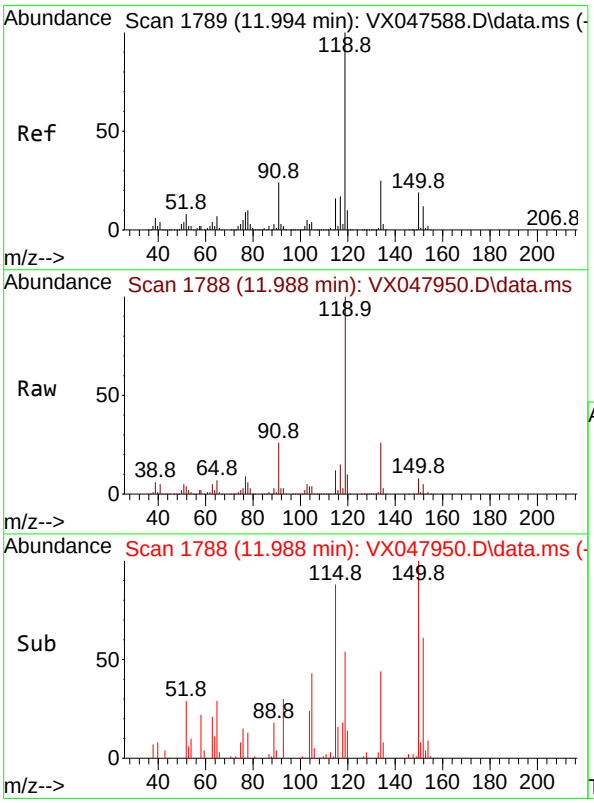
#85
sec-Butylbenzene
Concen: 45.080 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:105 Resp: 373260

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

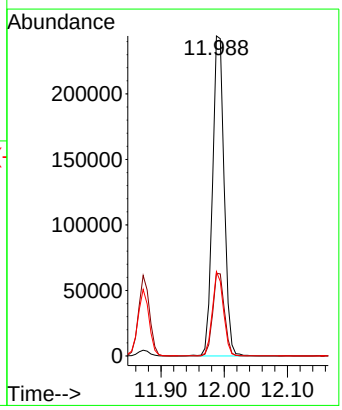


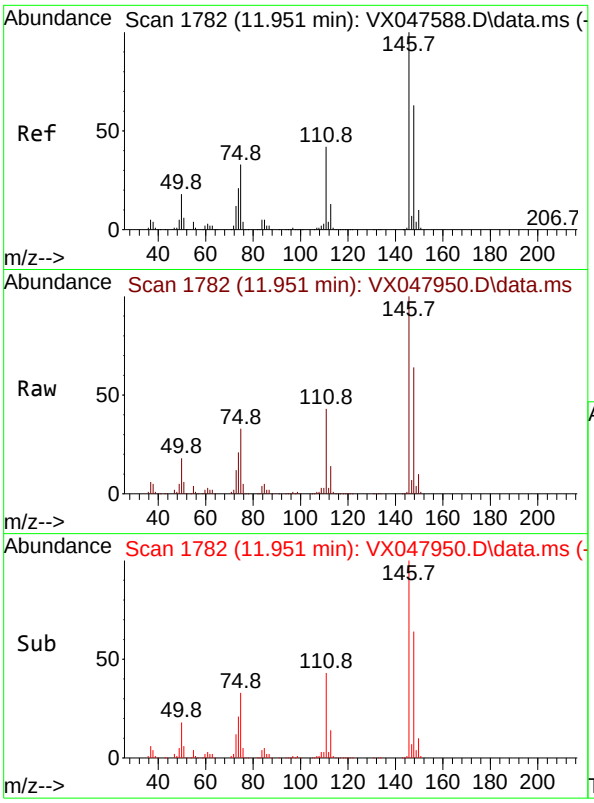


#86
p-Isopropyltoluene
Concen: 44.466 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:119 Resp: 311701

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.1	12.6	37.6



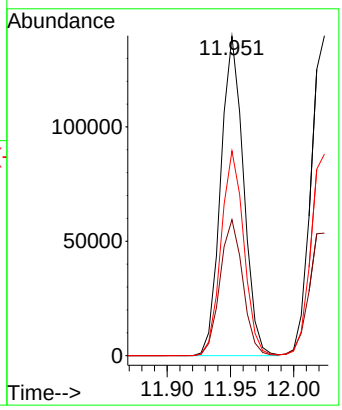


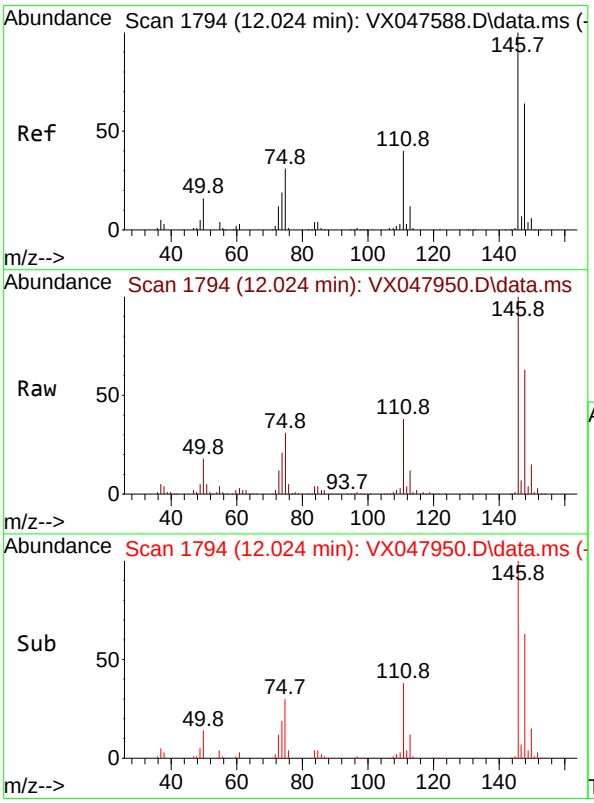
#87
1,3-Dichlorobenzene
Concen: 46.142 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:146 Resp: 174955

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.8	32.0	96.0

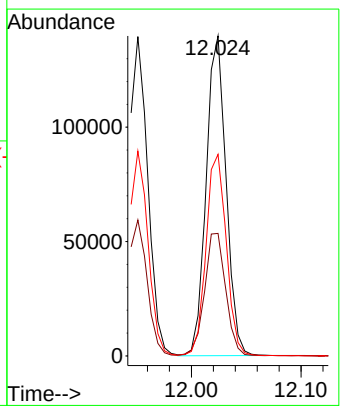


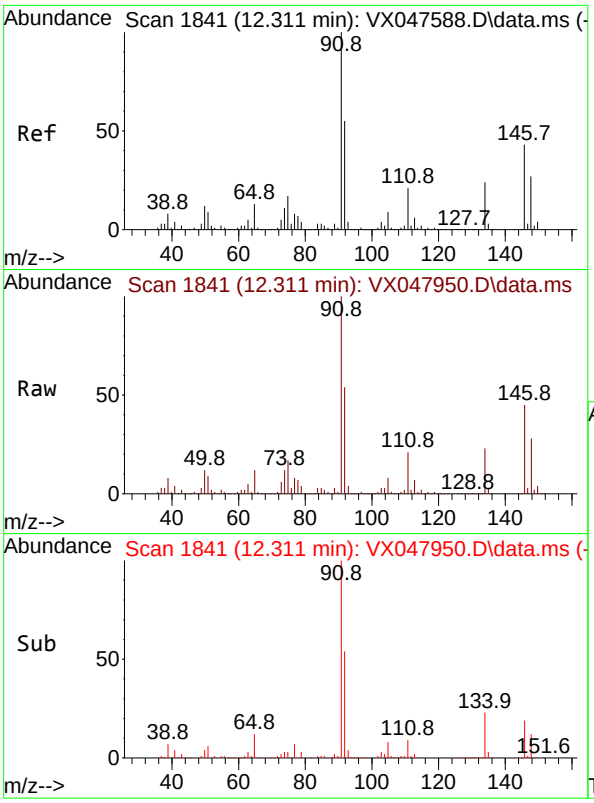


#88
1,4-Dichlorobenzene
Concen: 45.310 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:146 Resp: 176328

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	64.7	31.7	95.1



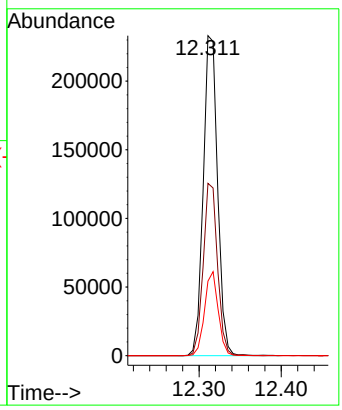


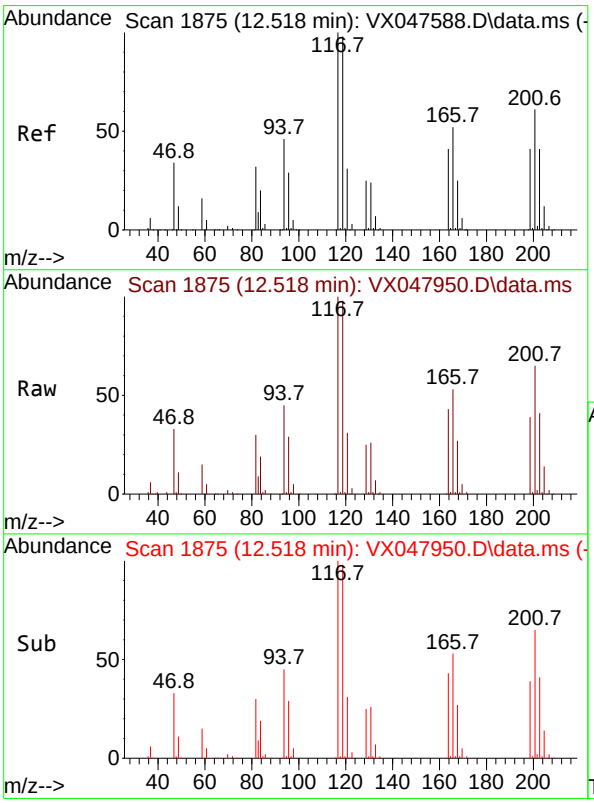
#89
n-Butylbenzene
Concen: 43.574 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion: 91 Resp: 282629

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	25.0	12.6	37.8

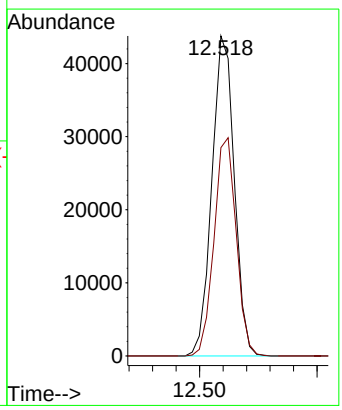


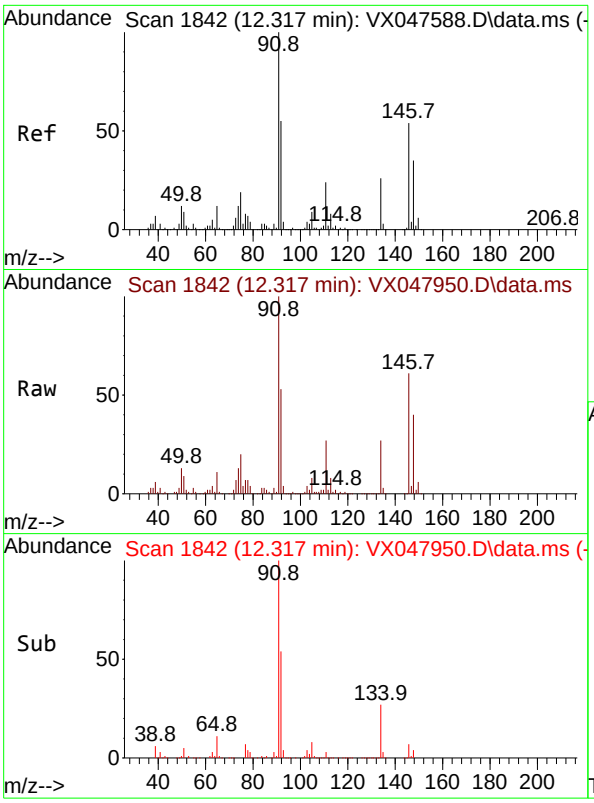


#90
Hexachloroethane
Concen: 47.073 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:117 Resp: 57934

Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.2	102.5



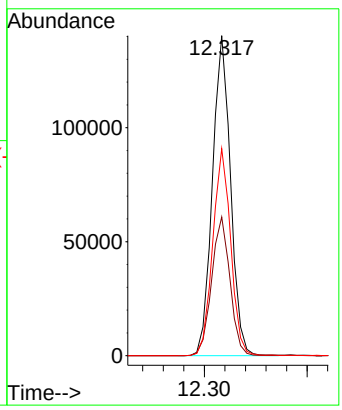


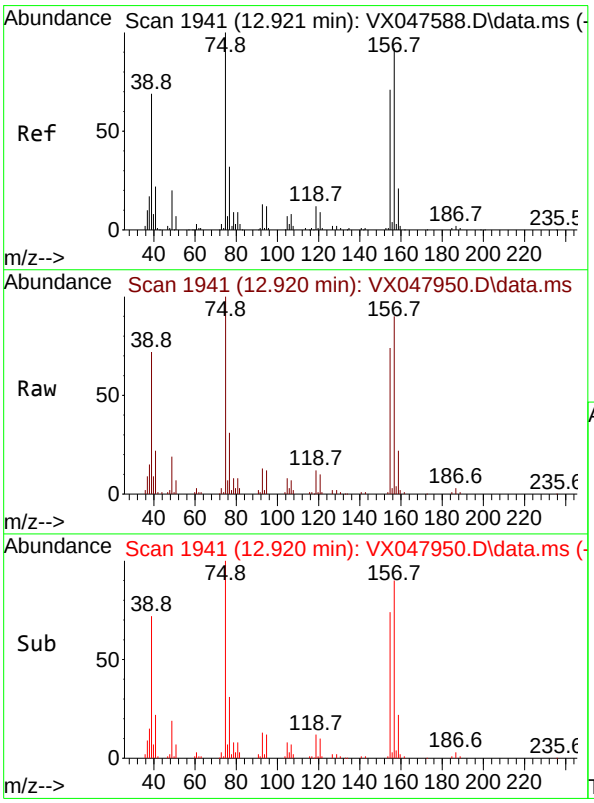
#91
1,2-Dichlorobenzene
Concen: 47.410 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:146 Resp: 171262

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	64.3	31.8	95.4

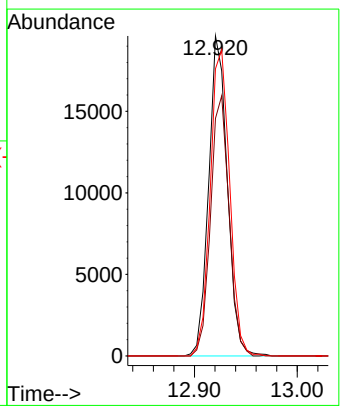


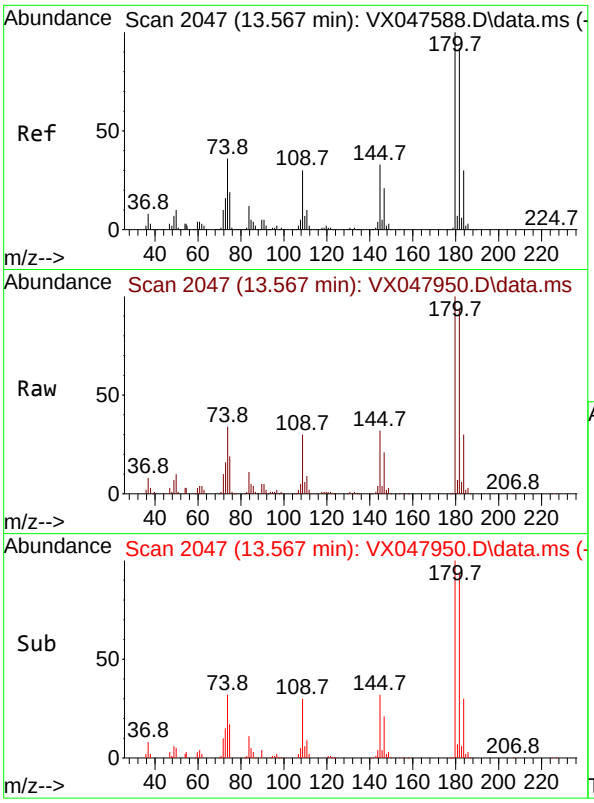


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.944 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion: 75 Resp: 24849

Ion	Ratio	Lower	Upper
75	100		
155	80.5	37.7	113.1
157	99.4	49.8	149.4



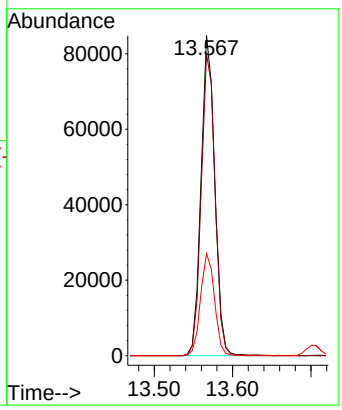


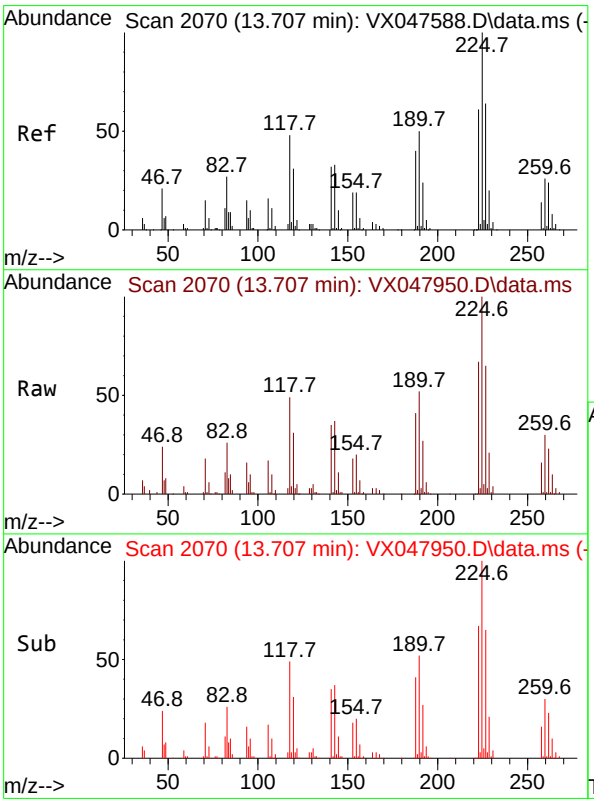
#93
1,2,4-Trichlorobenzene
Concen: 43.739 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:180 Resp: 102687

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	32.5	16.4	49.1

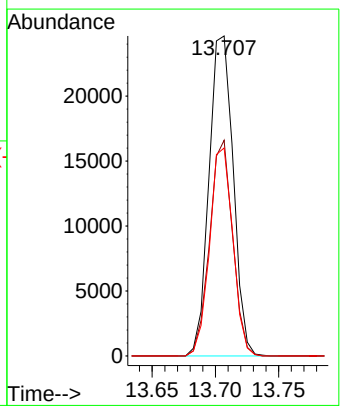


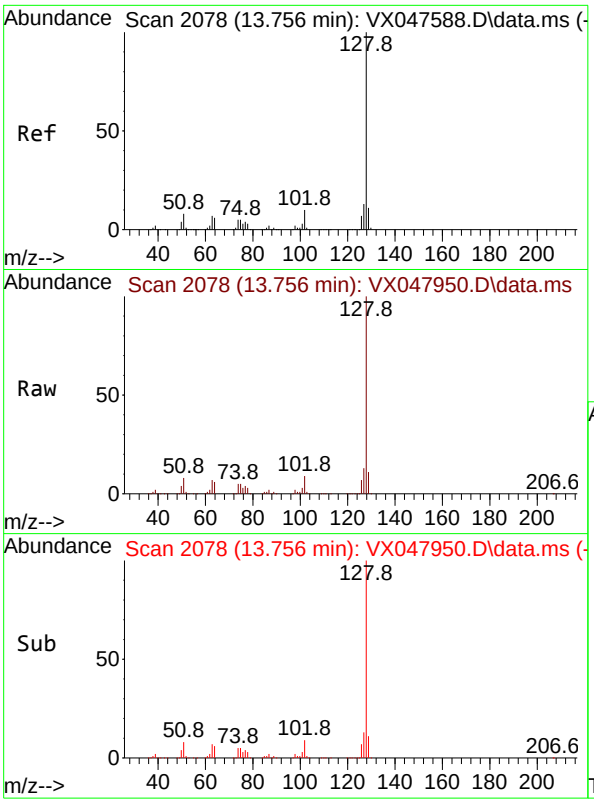


#94
Hexachlorobutadiene
Concen: 41.038 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:225 Resp: 32725

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.7	95.1
227	62.4	32.0	96.0



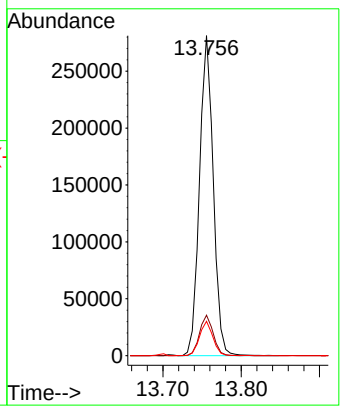


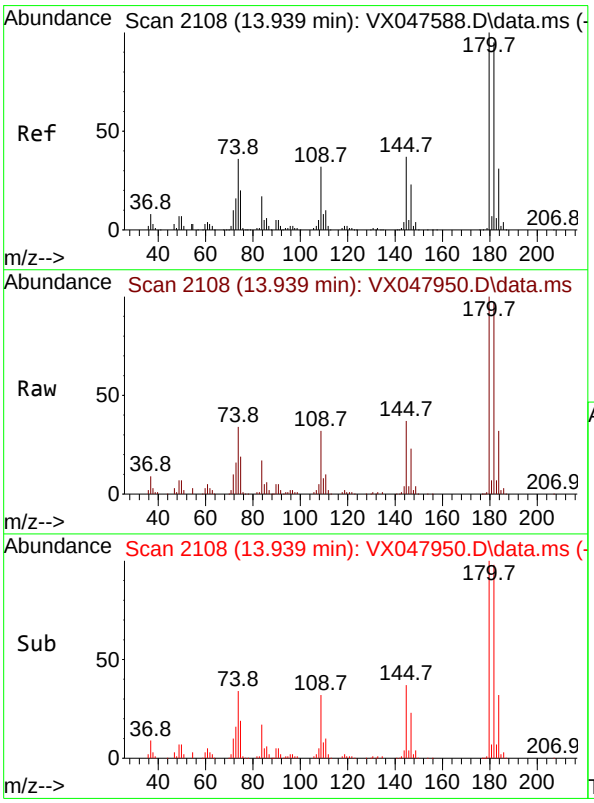
#95
Naphthalene
Concen: 47.986 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20250923MSD

Tgt Ion:128 Resp: 343048

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.5	8.8	13.2

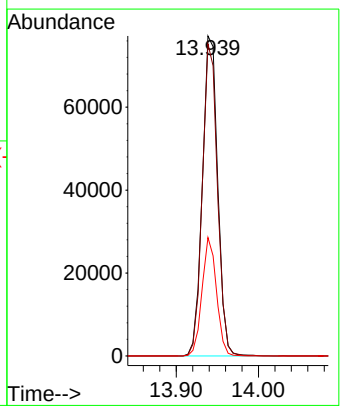




#96
1,2,3-Trichlorobenzene
Concen: 45.801 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047950.D
Acq: 01 Oct 2025 18:38

Tgt Ion:180 Resp: 100023

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	34.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	124660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	226992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101072	50.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	78410	51.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.635	98	266707	50.632	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.260%			
62) 4-Bromofluorobenzene	11.061	95	103069	51.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	67209	52.065	ug/l	99
3) Chloromethane	1.301	50	80963	47.722	ug/l	99
4) Vinyl Chloride	1.380	62	85210	51.308	ug/l	99
5) Bromomethane	1.612	94	56958	54.086	ug/l	99
6) Chloroethane	1.697	64	55454	49.959	ug/l	100
7) Trichlorofluoromethane	1.898	101	128341	52.047	ug/l	96
8) Diethyl Ether	2.136	74	53246	52.786	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	73923	51.269	ug/l	99
10) Methyl Iodide	2.459	142	106016	47.145	ug/l	99
11) Tert butyl alcohol	2.947	59	54886	248.358	ug/l	99
12) 1,1-Dichloroethene	2.325	96	75949	51.279	ug/l	95
13) Acrolein	2.240	56	47165	231.598	ug/l	98
14) Allyl chloride	2.666	41	147774	48.351	ug/l	98
15) Acrylonitrile	3.063	53	237904	290.630	ug/l	99
16) Acetone	2.374	43	189112	219.192	ug/l	99
17) Carbon Disulfide	2.520	76	191428	47.212	ug/l	99
18) Methyl Acetate	2.703	43	117298	61.090	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	292311	54.065	ug/l	99
20) Methylene Chloride	2.788	84	96882	53.050	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	81281	50.973	ug/l	98
22) Diisopropyl ether	3.758	45	319485	53.938	ug/l	97
23) Vinyl Acetate	3.715	43	1303516	274.971	ug/l	99
24) 1,1-Dichloroethane	3.611	63	167944	53.346	ug/l	98
25) 2-Butanone	4.544	43	286746	266.444	ug/l	97
26) 2,2-Dichloropropane	4.471	77	108024	41.278	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102913	52.700	ug/l	97
28) Bromochloromethane	4.885	49	75845	55.184	ug/l	98
29) Tetrahydrofuran	4.995	42	182504	281.897	ug/l	100
30) Chloroform	5.080	83	173609	54.571	ug/l	100
31) Cyclohexane	5.465	56	125293	47.784	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143628	53.226	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106778	48.001	ug/l	98
37) Ethyl Acetate	4.702	43	124608	52.317	ug/l	99
38) Carbon Tetrachloride	5.666	117	121207	50.149	ug/l	98
39) Methylcyclohexane	7.367	83	117508	46.536	ug/l	100
40) Benzene	6.025	78	350517	51.880	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	70523	57.354	ug/l		99
42) 1,2-Dichloroethane	6.074	62	134642	52.376	ug/l		99
43) Isopropyl Acetate	6.324	43	209765	53.699	ug/l		100
44) Trichloroethene	7.111	130	83472	51.102	ug/l		100
45) 1,2-Dichloropropane	7.415	63	92922	53.711	ug/l		97
46) Dibromomethane	7.568	93	67714	53.786	ug/l		97
47) Bromodichloromethane	7.806	83	142081	54.690	ug/l		97
48) Methyl methacrylate	7.678	41	105840	54.395	ug/l		98
49) 1,4-Dioxane	7.647	88	24256	1233.522	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	628101	290.007	ug/l		100
52) Toluene	8.702	92	217465	52.243	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	137793	51.999	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	145487	51.366	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	90452	56.354	ug/l		99
56) Ethyl methacrylate	9.104	69	140278	55.650	ug/l		98
57) 1,3-Dichloropropane	9.293	76	154812	56.148	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	349890	287.656	ug/l		100
59) 2-Hexanone	9.415	43	436044	280.325	ug/l		99
60) Dibromochloromethane	9.507	129	104459	56.483	ug/l		100
61) 1,2-Dibromoethane	9.592	107	92545	56.608	ug/l		100
64) Tetrachloroethene	9.263	164	68132	50.076	ug/l		95
65) Chlorobenzene	10.061	112	242961	51.241	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	87283	53.346	ug/l		98
67) Ethyl Benzene	10.177	91	413758	50.575	ug/l		99
68) m/p-Xylenes	10.287	106	312179	102.520	ug/l		98
69) o-Xylene	10.628	106	152586	51.807	ug/l		99
70) Styrene	10.640	104	270885	52.490	ug/l		99
71) Bromoform	10.781	173	67667	55.387	ug/l	#	96
73) Isopropylbenzene	10.945	105	387978	49.069	ug/l		100
74) N-amyl acetate	10.829	43	186045	51.599	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	128423	53.684	ug/l		97
76) 1,2,3-Trichloropropane	11.220	75	140751	66.843	ug/l		89
77) Bromobenzene	11.183	156	97437	50.034	ug/l		99
78) n-propylbenzene	11.287	91	457669	48.965	ug/l		99
79) 2-Chlorotoluene	11.348	91	282868	49.411	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	318890	49.089	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	38178	46.236	ug/l		99
82) 4-Chlorotoluene	11.439	91	334477	49.470	ug/l		100
83) tert-Butylbenzene	11.695	119	321817	48.394	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	326533	49.580	ug/l		100
85) sec-Butylbenzene	11.872	105	388696	49.209	ug/l		100
86) p-Isopropyltoluene	11.994	119	320945	47.994	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	179605	49.654	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	182671	49.206	ug/l		100
89) n-Butylbenzene	12.317	91	295960	47.831	ug/l		99
90) Hexachloroethane	12.518	117	59726	50.871	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	174092	50.519	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.927	75	25868	53.410	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	108351	48.379	ug/l		99
94) Hexachlorobutadiene	13.701	225	35255	46.344	ug/l		98
95) Naphthalene	13.756	128	351451	51.534	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	105429	50.606	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

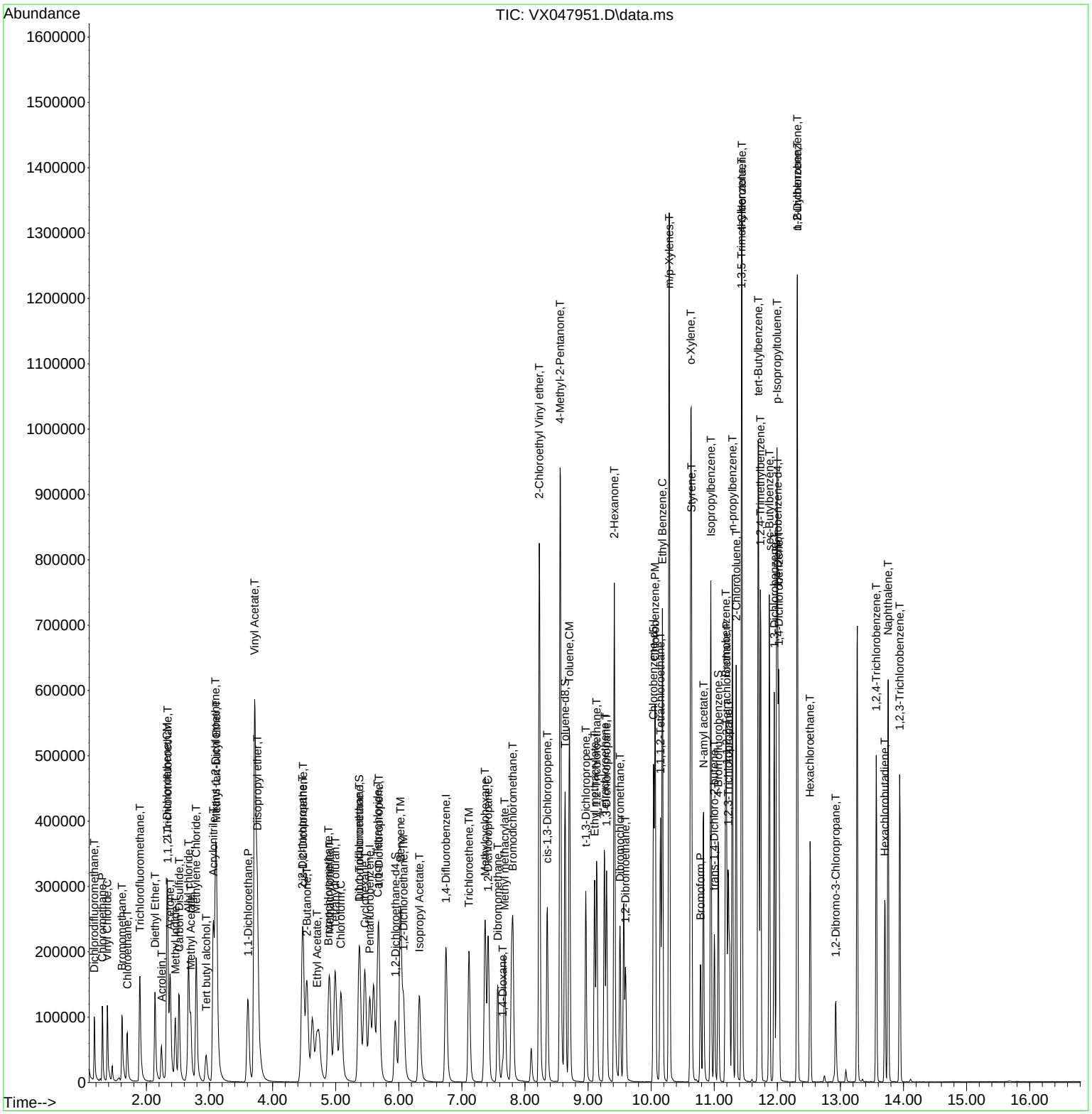
(#) = qualifier out of range (m) = manual integration (+) = signals summed

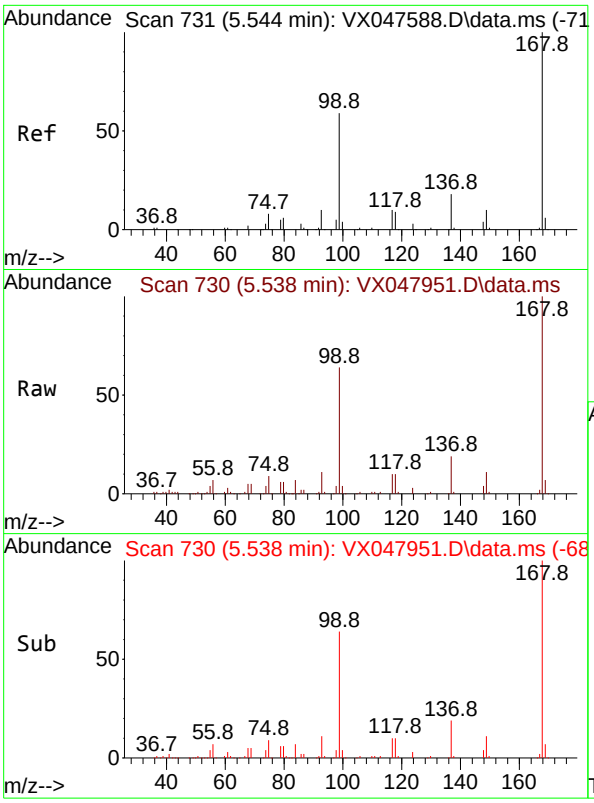
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047951.D
Acq On : 01 Oct 2025 18:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 01:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



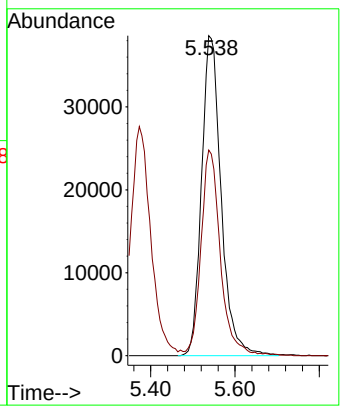


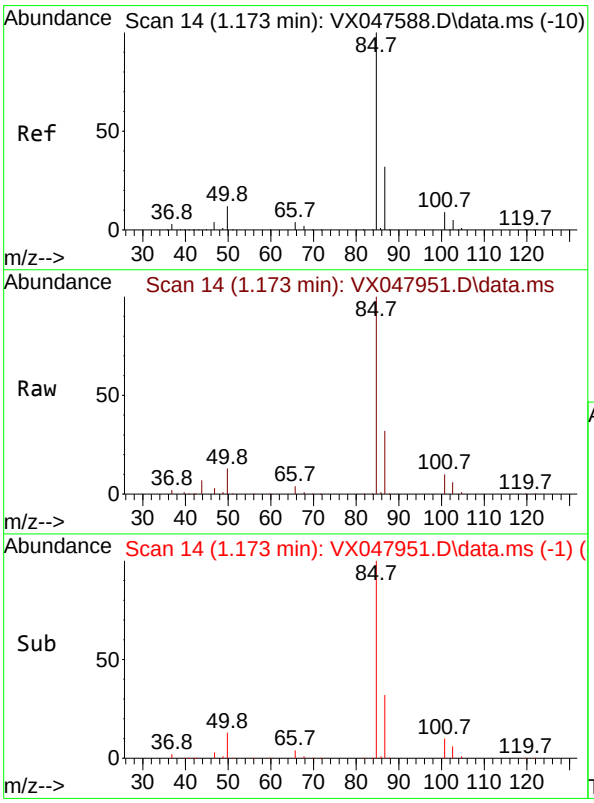
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 124660

Ion	Ratio	Lower	Upper
168	100		
99	63.9	48.8	73.2

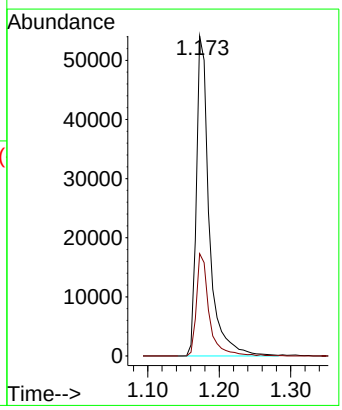


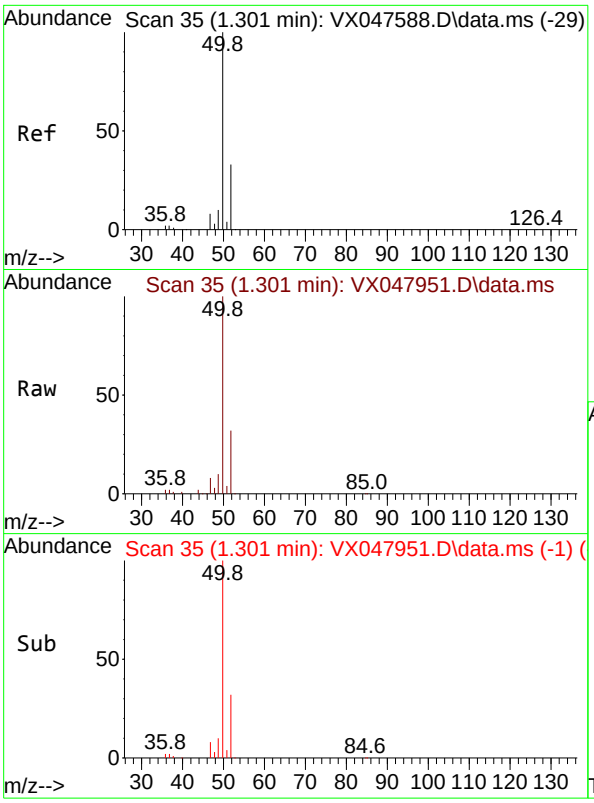


#2
Dichlorodifluoromethane
Concen: 52.065 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 85 Resp: 67209

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.8	47.3



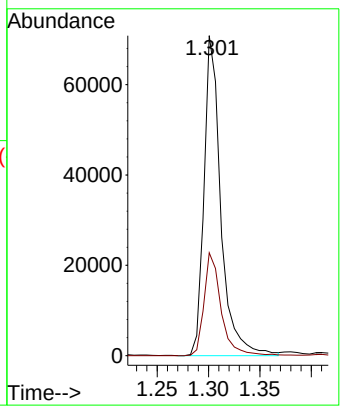


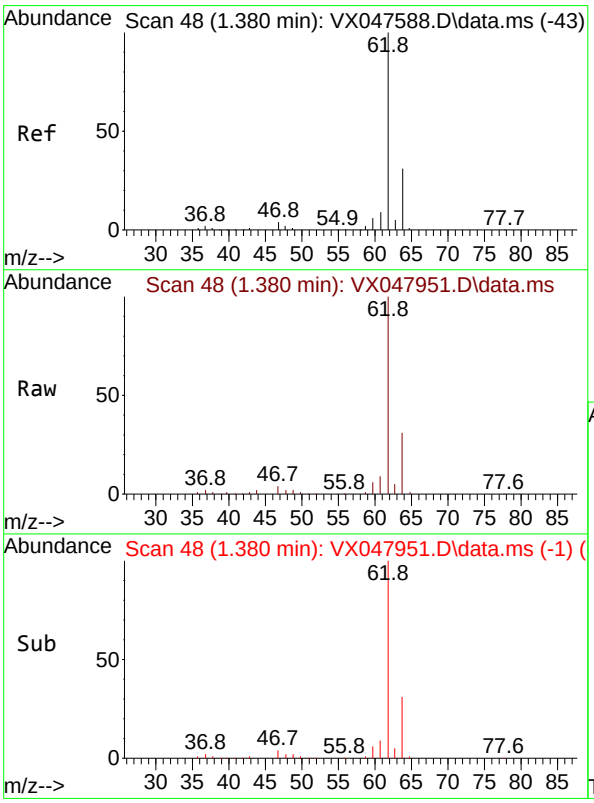
#3
Chloromethane
Concen: 47.722 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 80963

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1

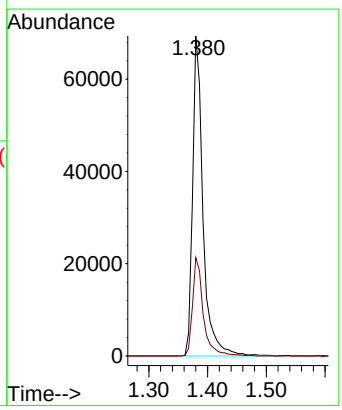


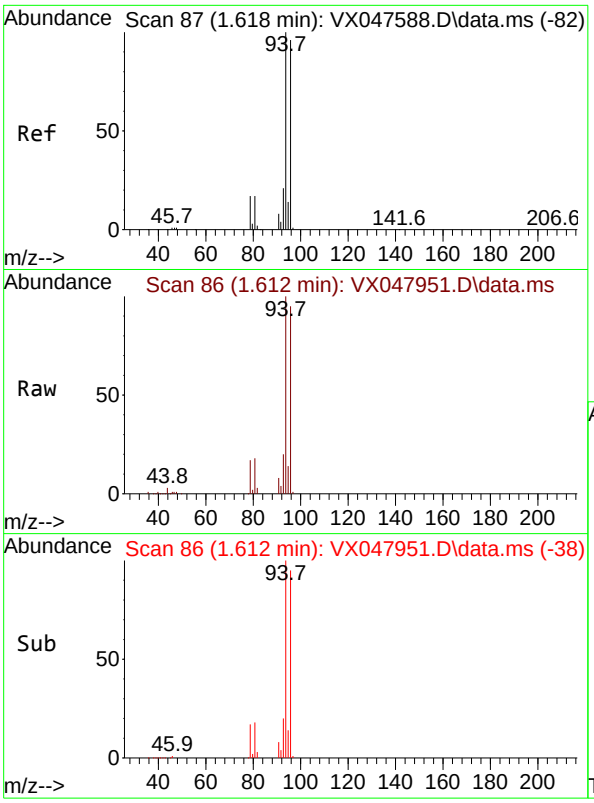


#4
Vinyl Chloride
Concen: 51.308 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 62 Resp: 85210

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3



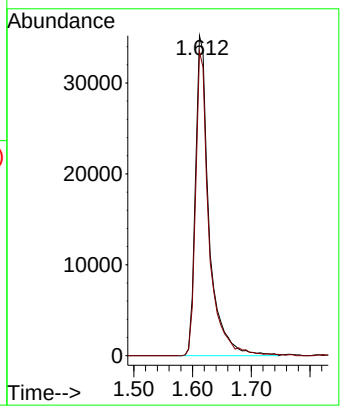


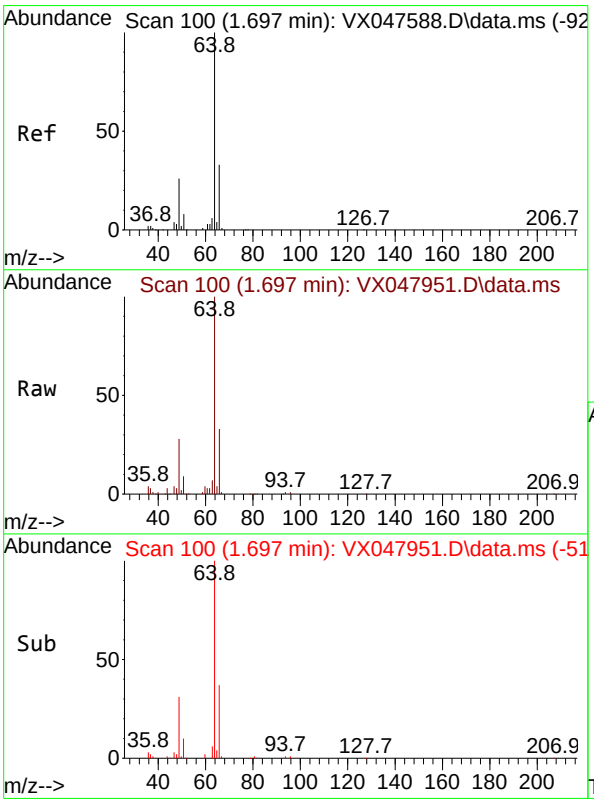
#5
Bromomethane
Concen: 54.086 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 56958

Ion	Ratio	Lower	Upper
94	100		
96	95.0	76.6	115.0

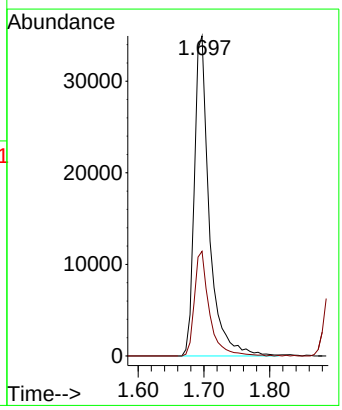


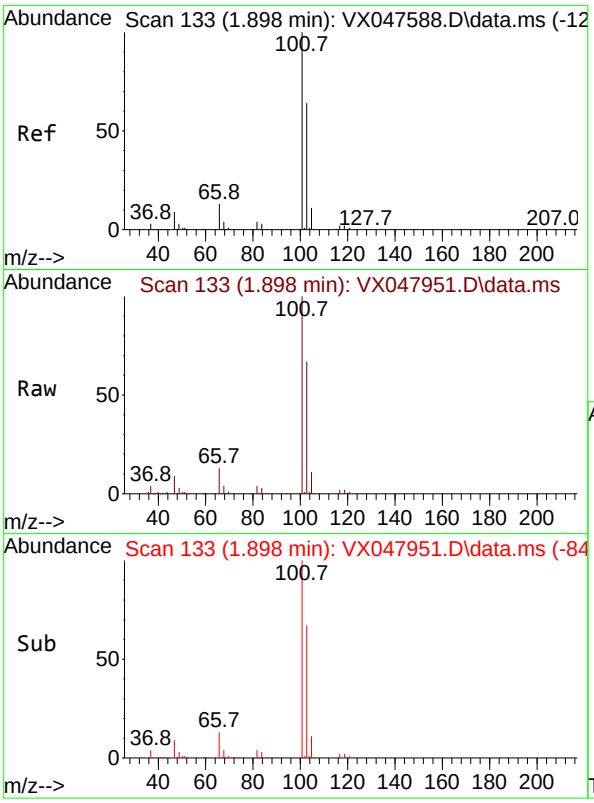


#6
Chloroethane
Concen: 49.959 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 64 Resp: 55454

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.1	39.1



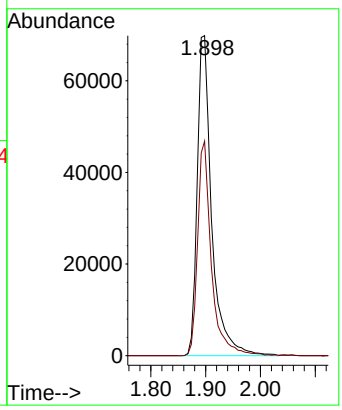


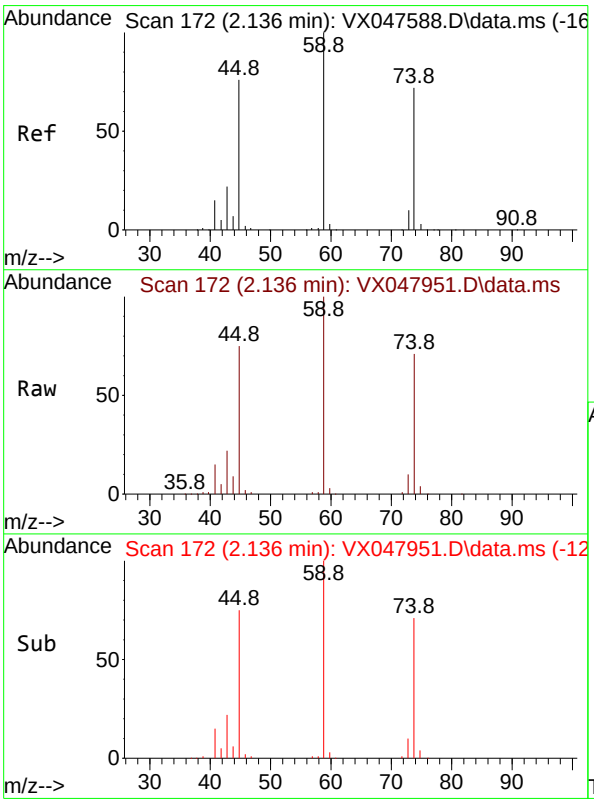
#7
Trichlorofluoromethane
Concen: 52.047 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 128341

Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.4	77.2

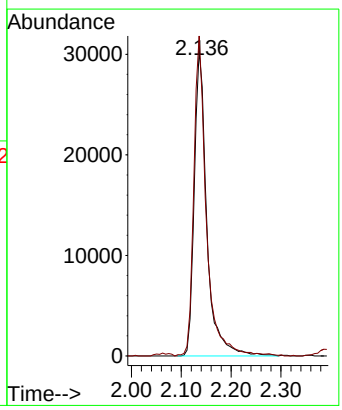


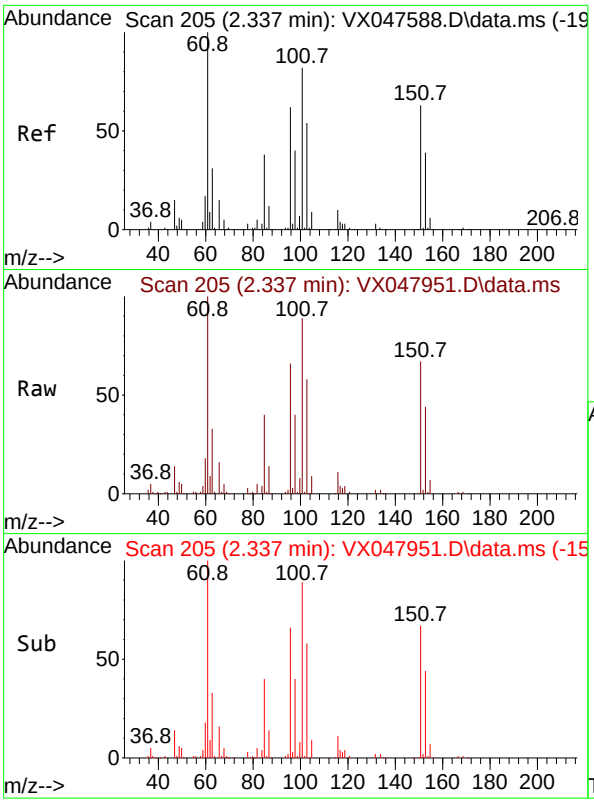


#8
Diethyl Ether
Concen: 52.786 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 74 Resp: 53246

Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.3	156.8



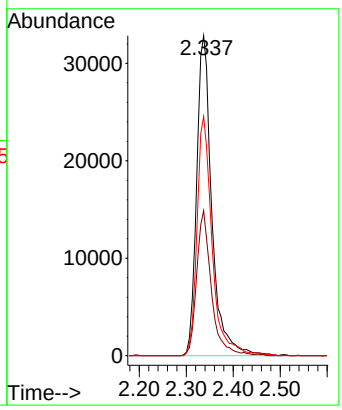


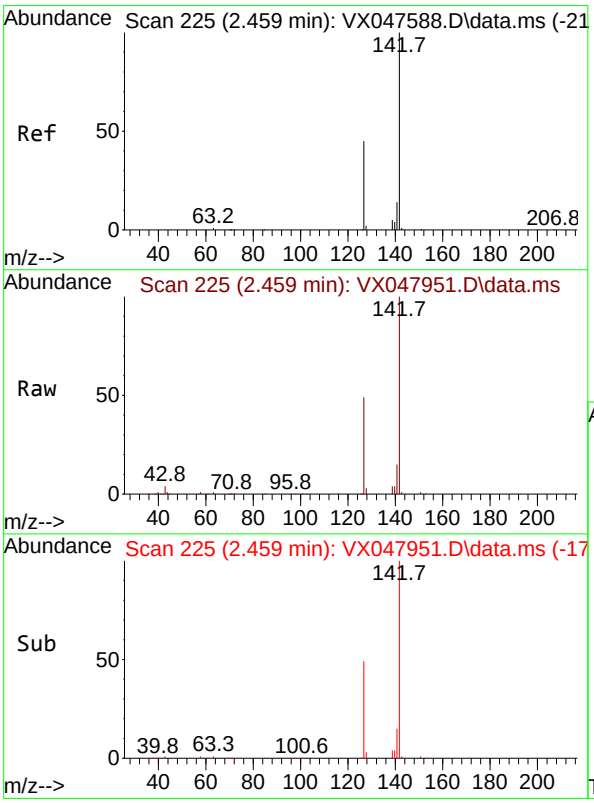
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.269 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 73923

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	74.6	59.4	89.0

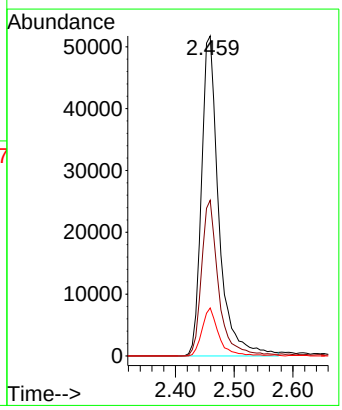


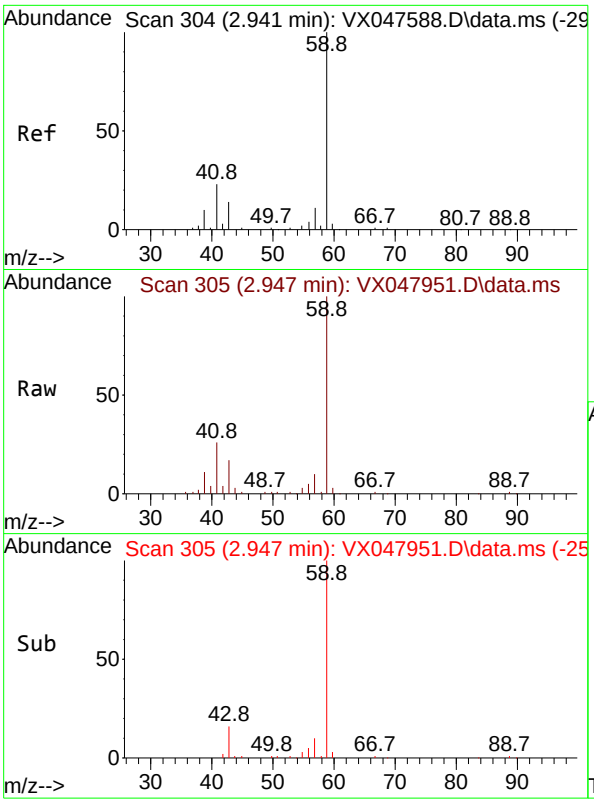


#10
Methyl Iodide
Concen: 47.145 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:142 Resp: 106016

Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.2	55.8
141	14.4	11.4	17.0



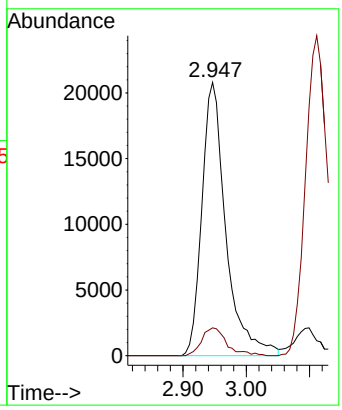


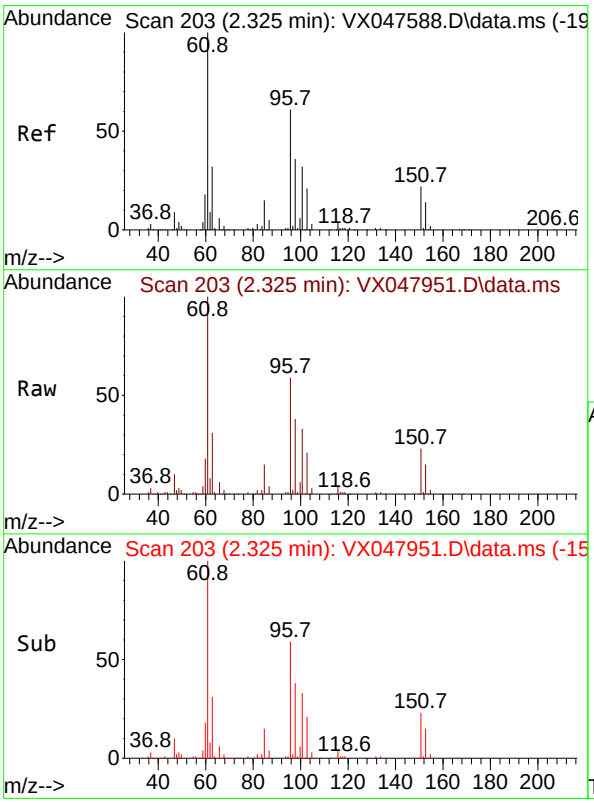
#11
Tert butyl alcohol
Concen: 248.358 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 54886

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

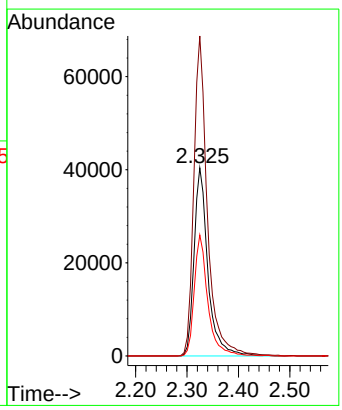


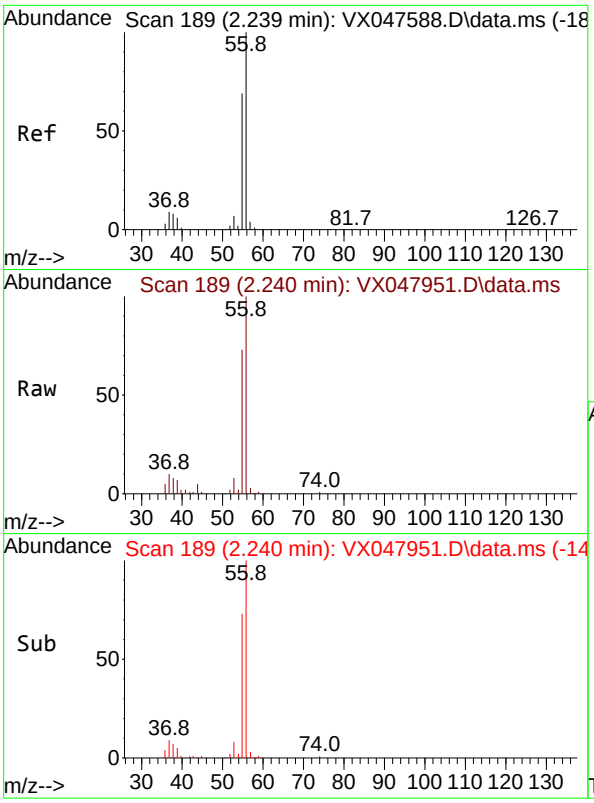


#12
1,1-Dichloroethene
Concen: 51.279 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 96 Resp: 75949

Ion	Ratio	Lower	Upper
96	100		
61	170.1	131.0	196.6
98	64.3	47.7	71.5



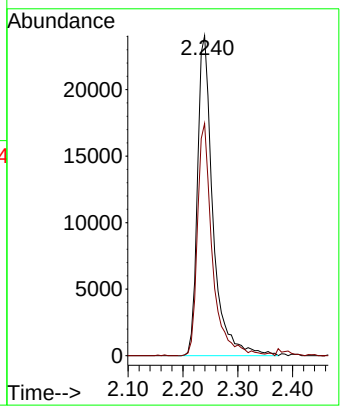


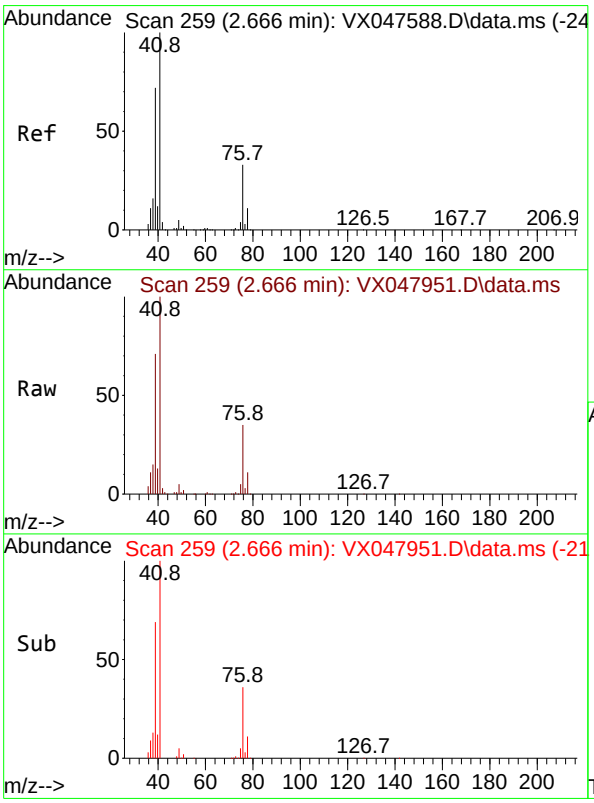
#13
Acrolein
Concen: 231.598 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 47165

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.2	85.8

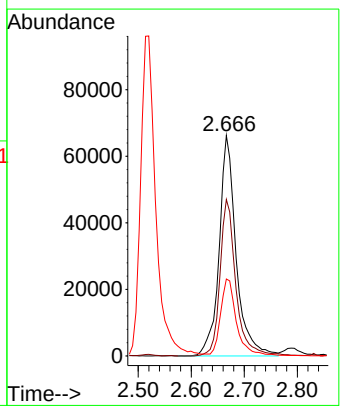


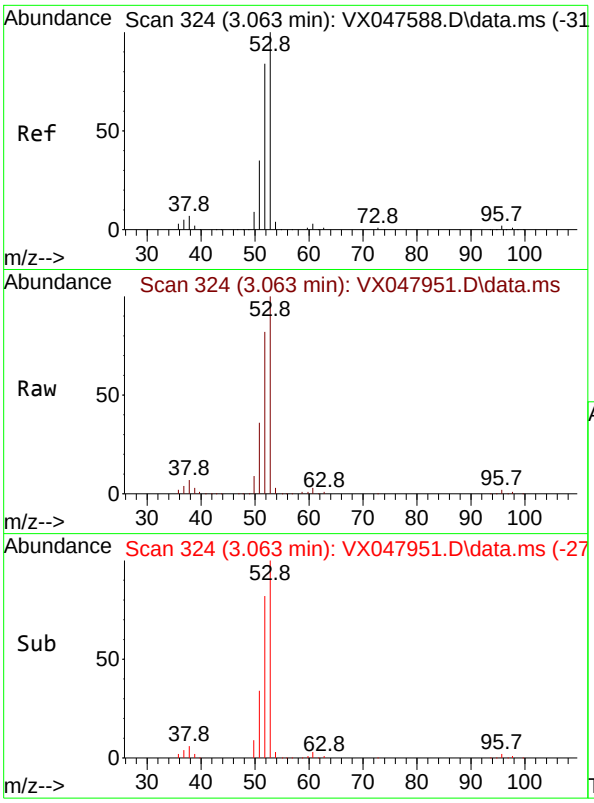


#14
Allyl chloride
Concen: 48.351 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 41 Resp: 147774

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	32.8	25.7	38.5



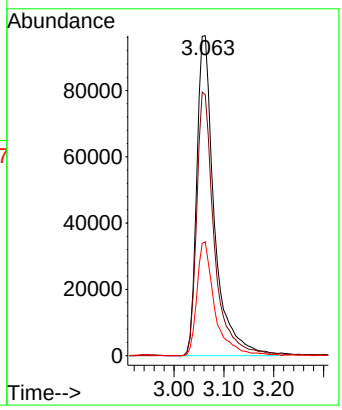


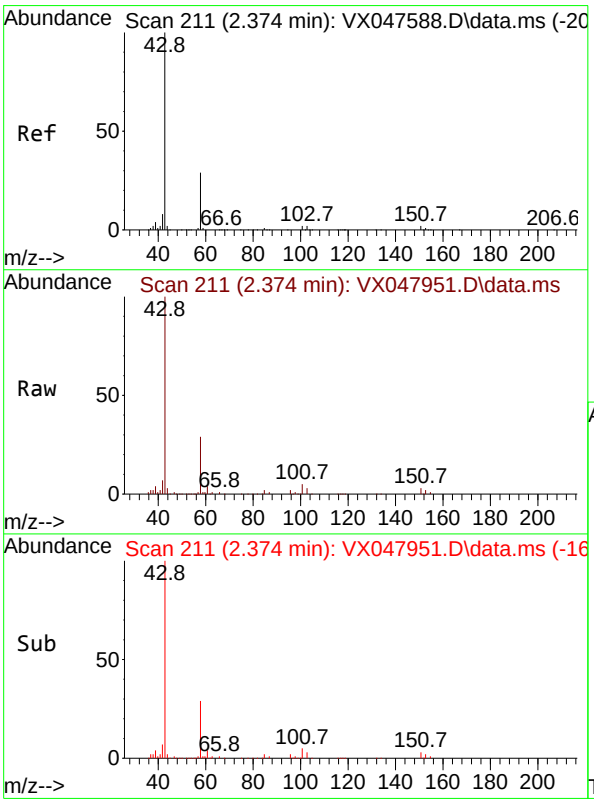
#15
Acrylonitrile
Concen: 290.630 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 237904

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

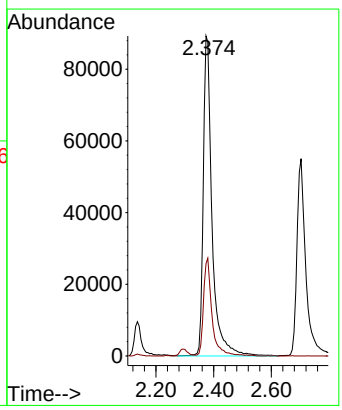


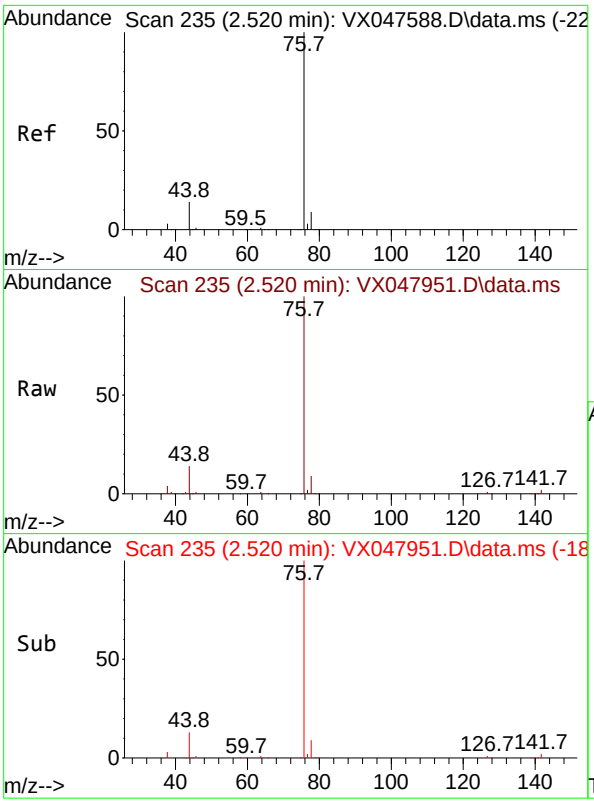


#16
Acetone
Concen: 219.192 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 189112

Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.4	35.0



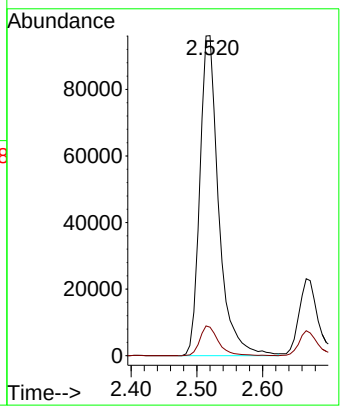


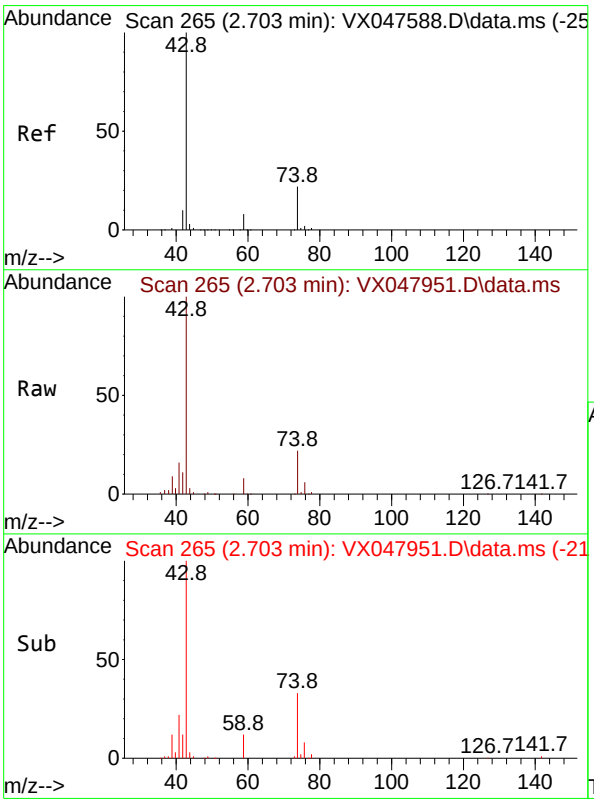
#17
Carbon Disulfide
Concen: 47.212 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 191428

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

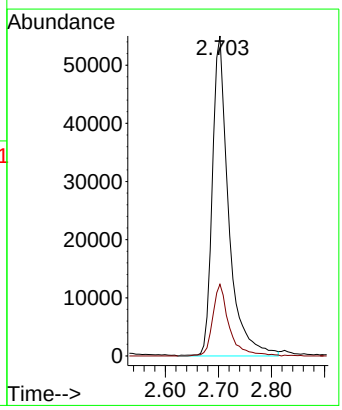


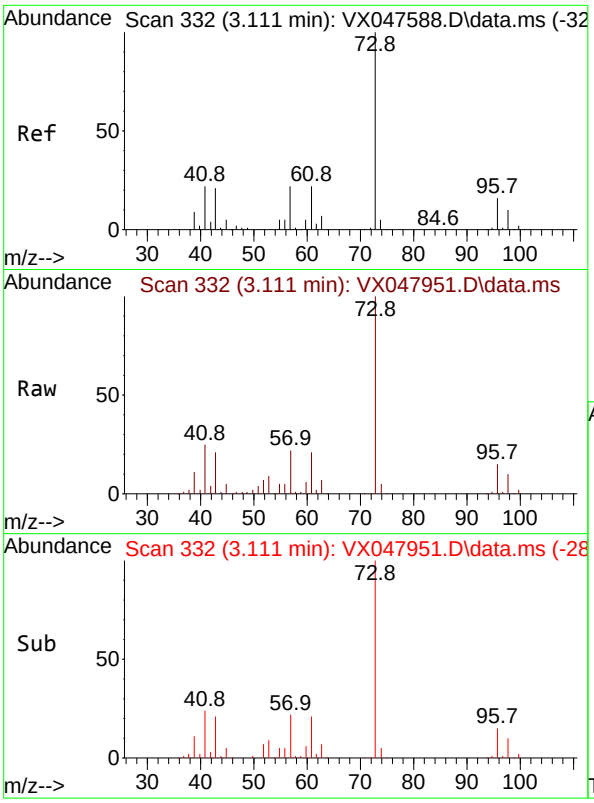


#18
Methyl Acetate
Concen: 61.090 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 117298

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



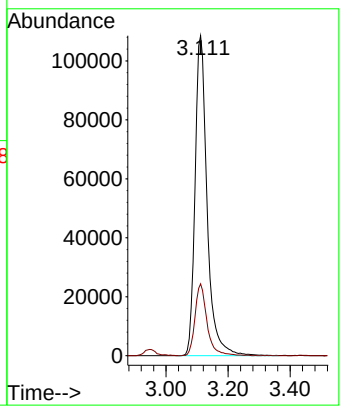


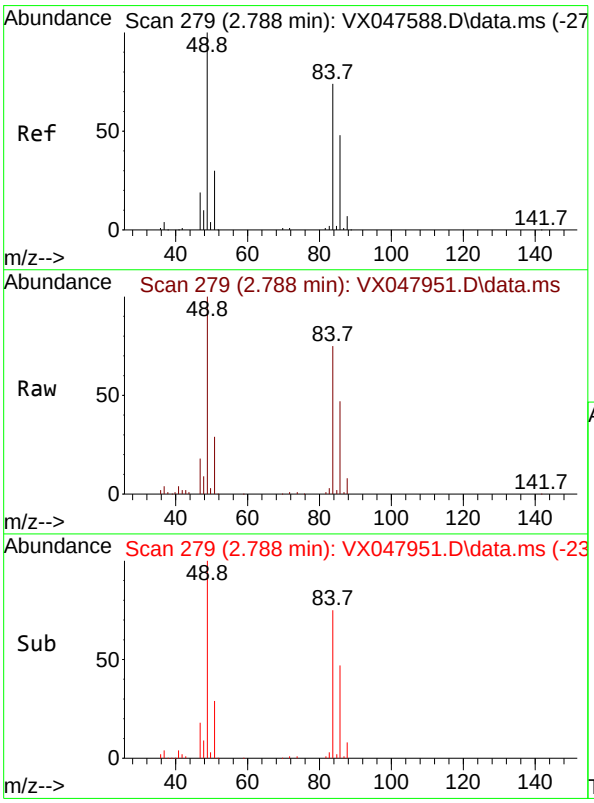
#19
Methyl tert-butyl Ether
Concen: 54.065 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 292311

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.2

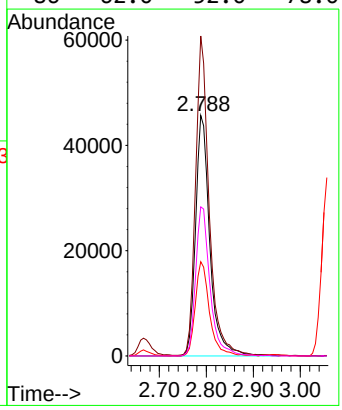


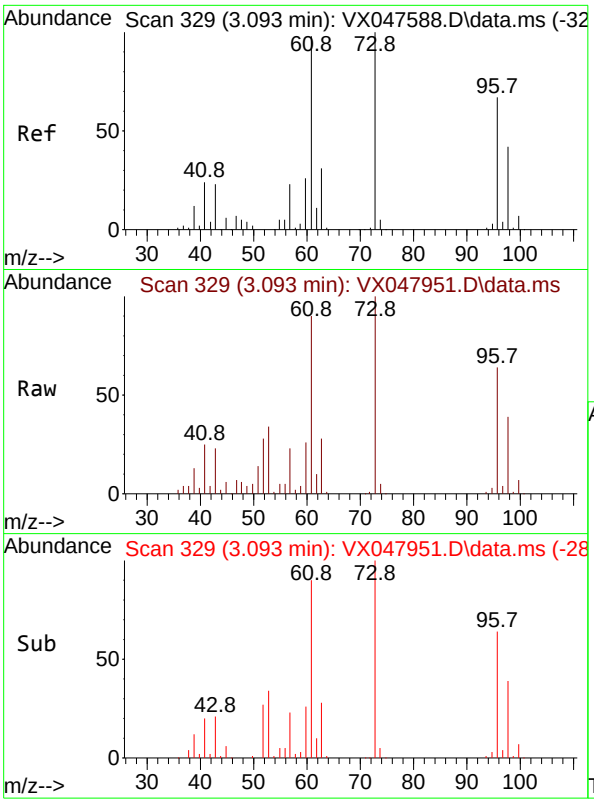


#20
Methylene Chloride
Concen: 53.050 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 84 Resp: 96882

Ion	Ratio	Lower	Upper
84	100		
49	132.7	108.6	162.8
51	39.2	32.6	48.8
86	62.0	52.0	78.0



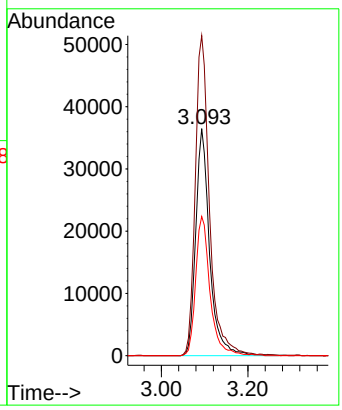


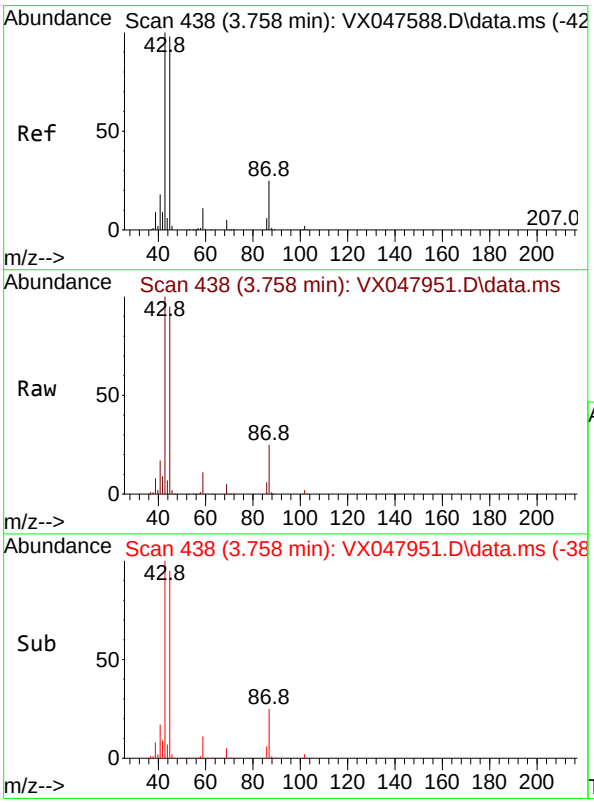
#21
trans-1,2-Dichloroethene
Concen: 50.973 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 81281

Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.2	174.2
98	61.3	49.3	73.9

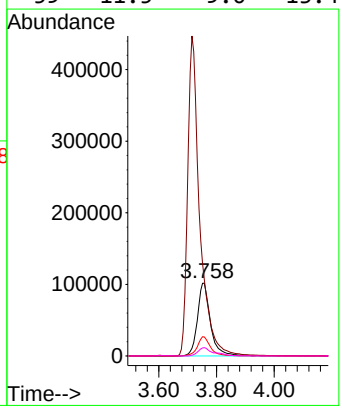


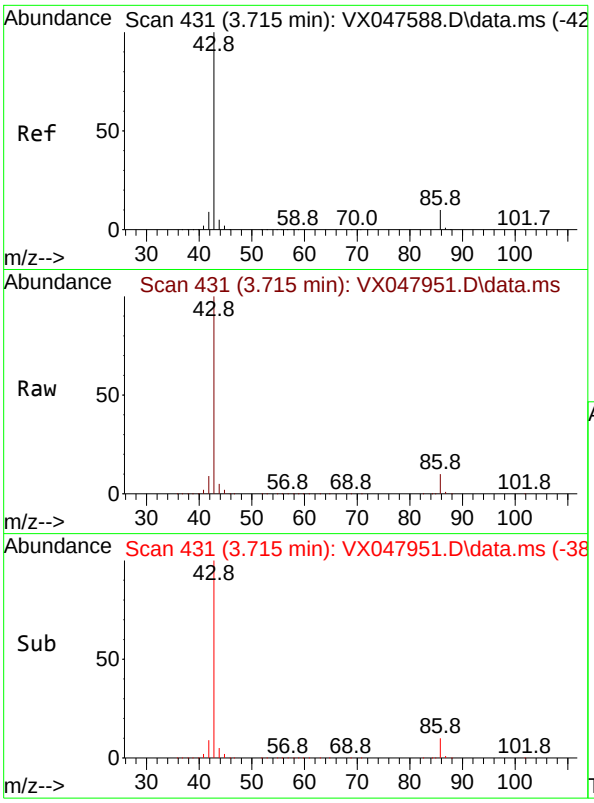


#22
Diisopropyl ether
Concen: 53.938 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 45 Resp: 319485

Ion	Ratio	Lower	Upper
45	100		
43	105.1	81.0	121.4
87	26.2	20.3	30.5
59	11.5	9.0	13.4



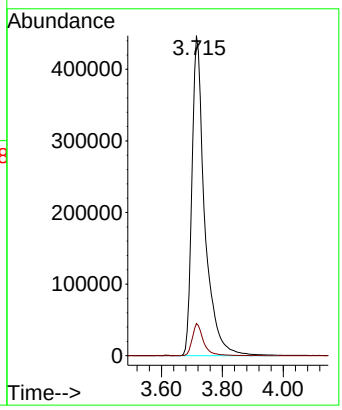


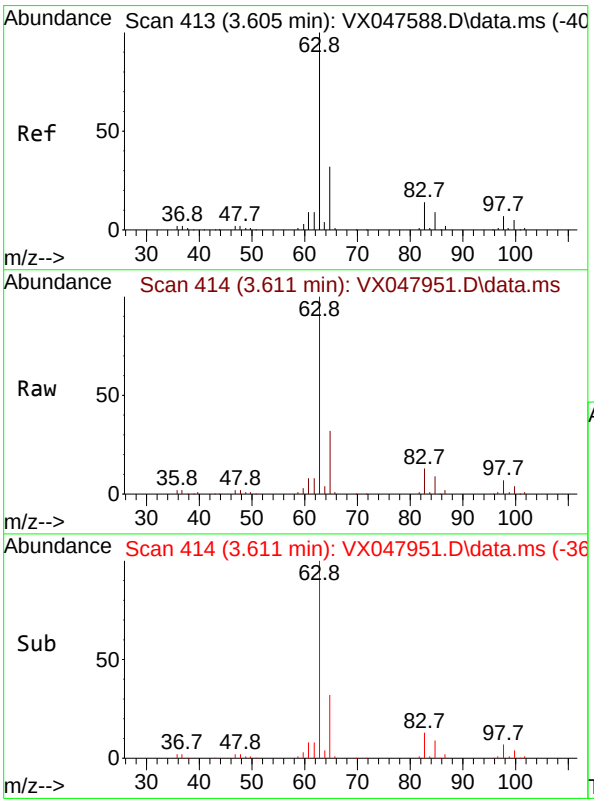
#23
Vinyl Acetate
Concen: 274.971 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1303516

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

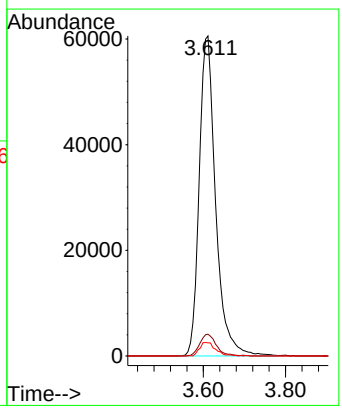


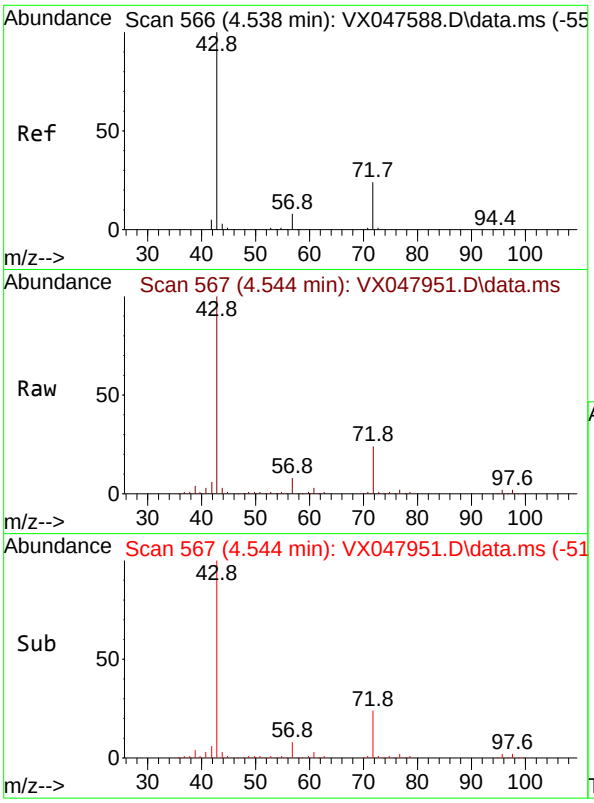


#24
1,1-Dichloroethane
Concen: 53.346 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 63 Resp: 167944

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.1	2.3	6.9



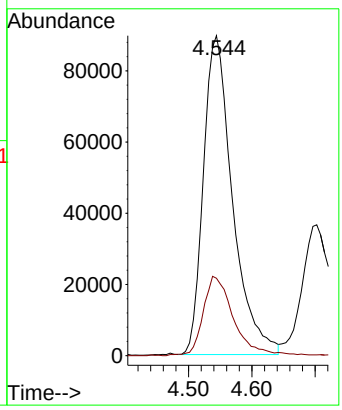


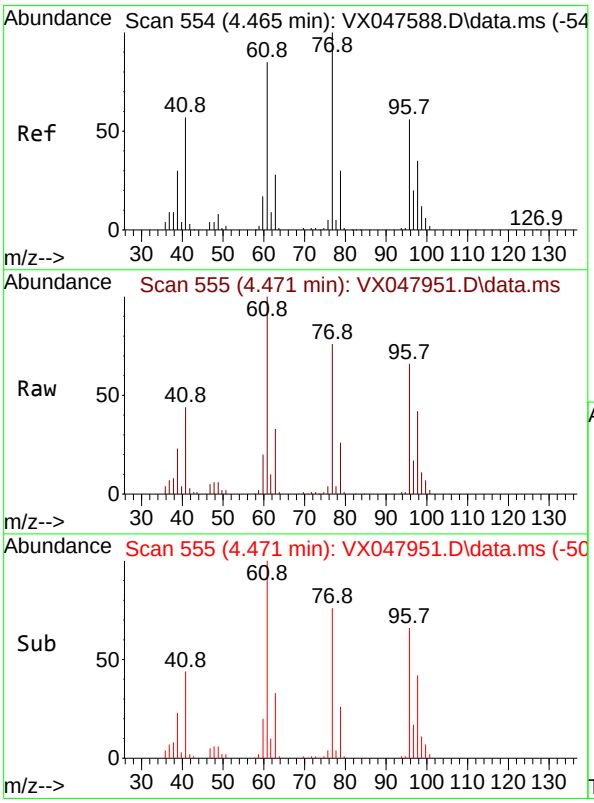
#25
2-Butanone
Concen: 266.444 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 286746

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

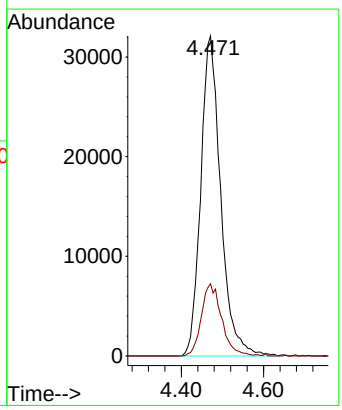


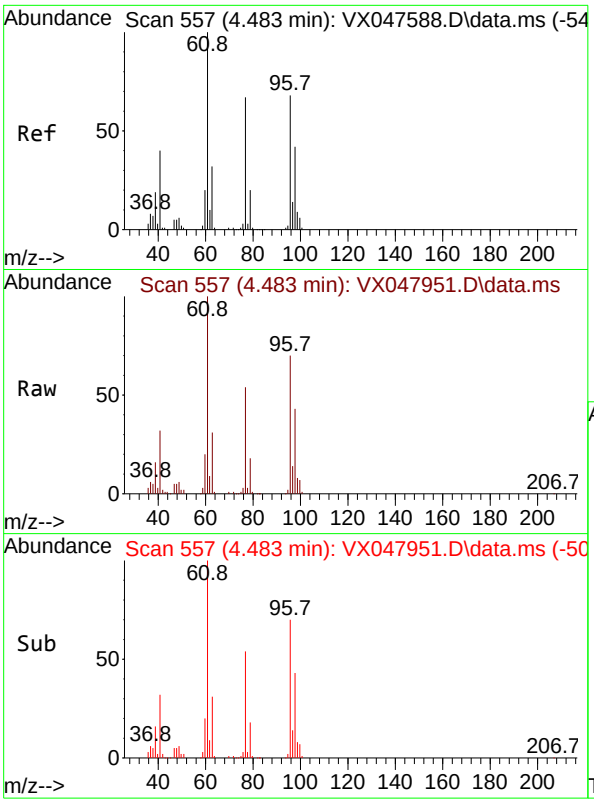


#26
2,2-Dichloropropane
Concen: 41.278 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 77 Resp: 108024

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.9	32.7



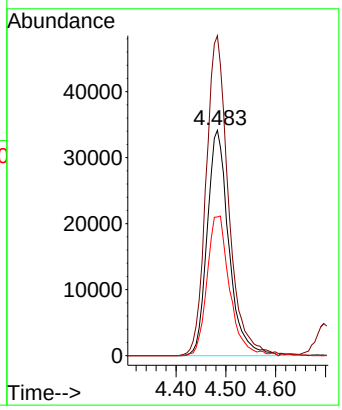


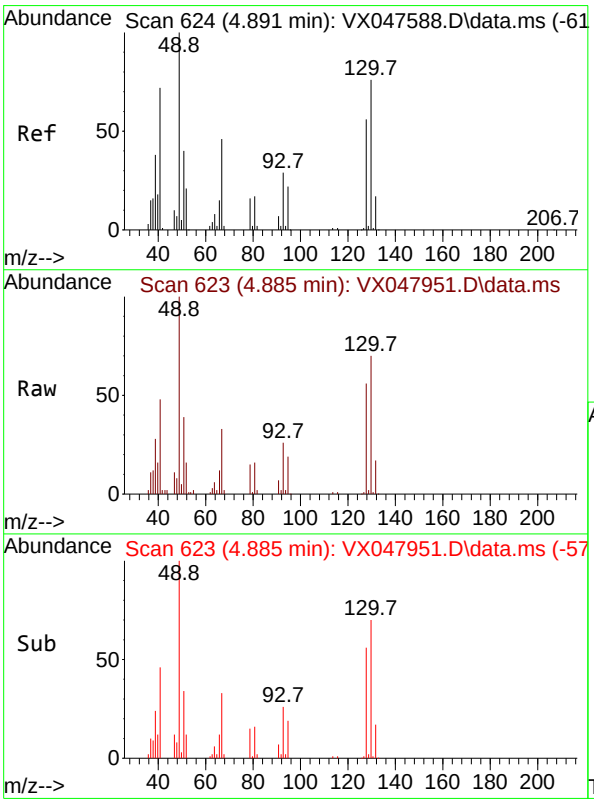
#27
cis-1,2-Dichloroethene
Concen: 52.700 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 102913

Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	303.2
98	64.7	0.0	127.8

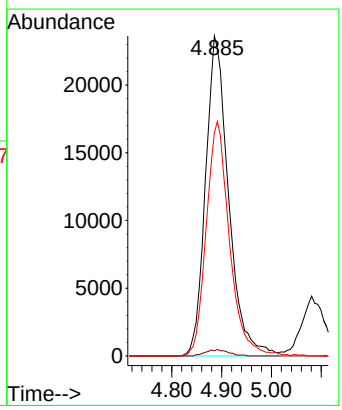


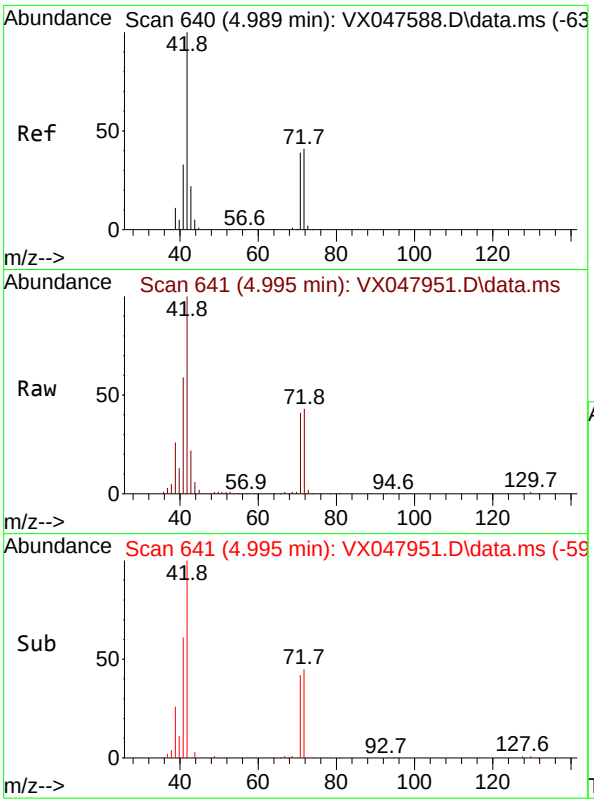


#28
Bromochloromethane
Concen: 55.184 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 49 Resp: 75845

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	73.6	57.8	86.8



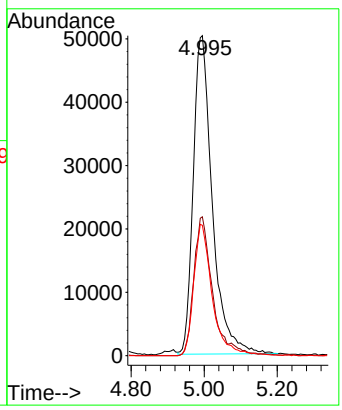


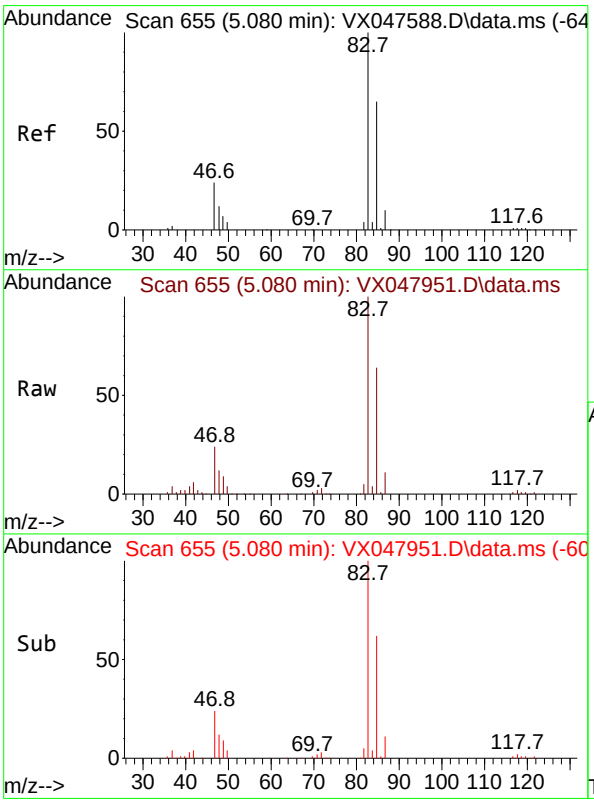
#29
Tetrahydrofuran
Concen: 281.897 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 182504

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.2	51.2
71	40.1	31.9	47.9

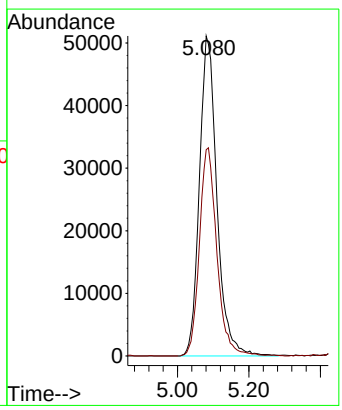


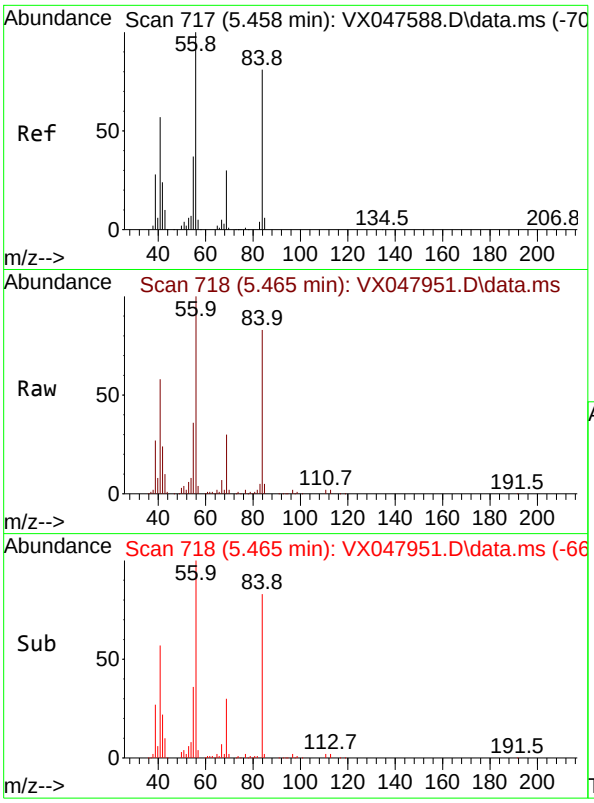


#30
Chloroform
Concen: 54.571 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 83 Resp: 173609

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6



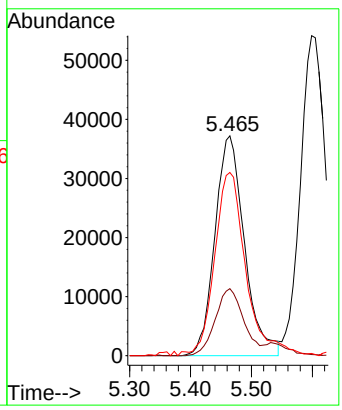


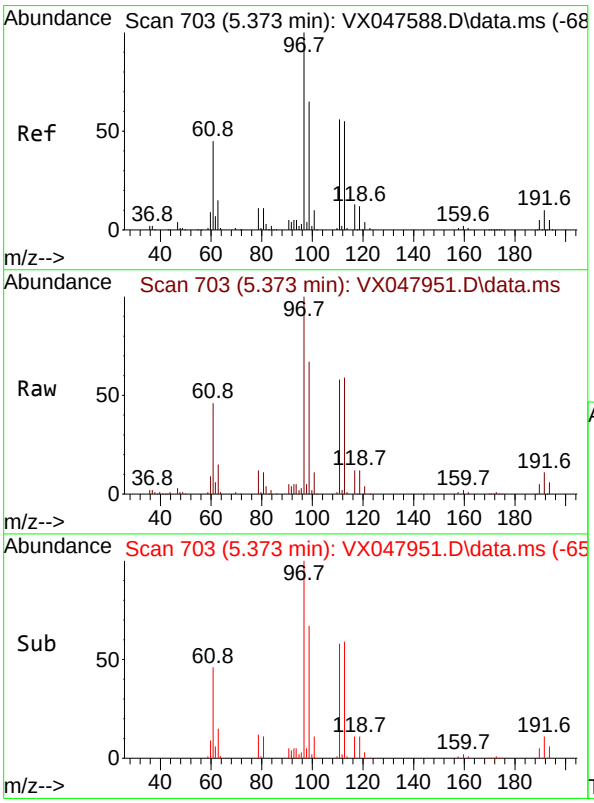
#31
Cyclohexane
Concen: 47.784 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 125293

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.8
84	83.3	64.6	97.0

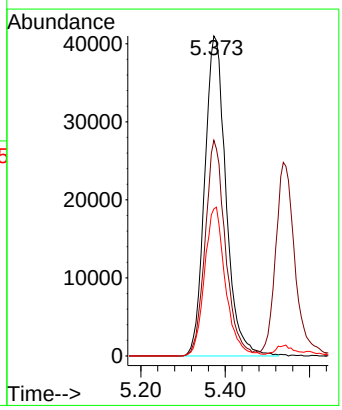


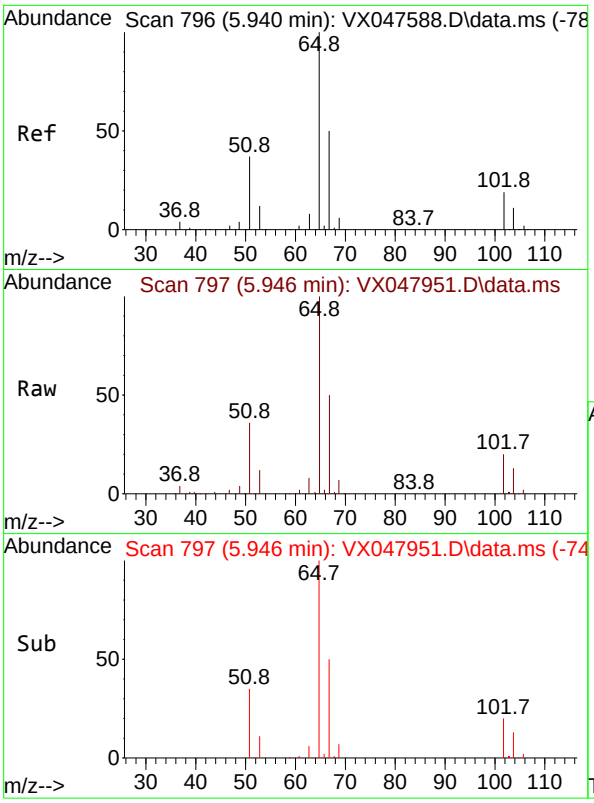


#32
1,1,1-Trichloroethane
Concen: 53.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 97 Resp: 143628

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	45.8	35.8	53.8



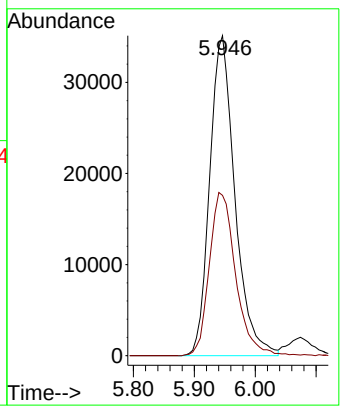


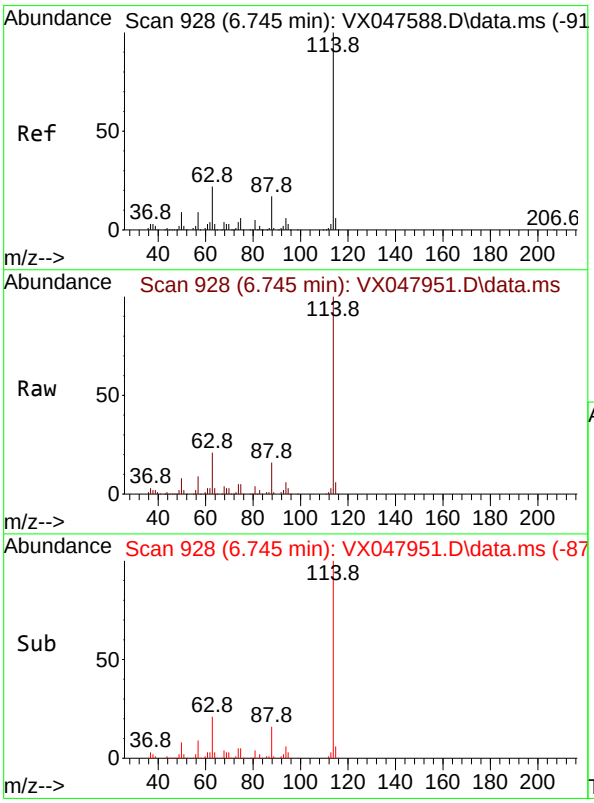
#33
1,2-Dichloroethane-d4
Concen: 50.937 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 101072

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.0

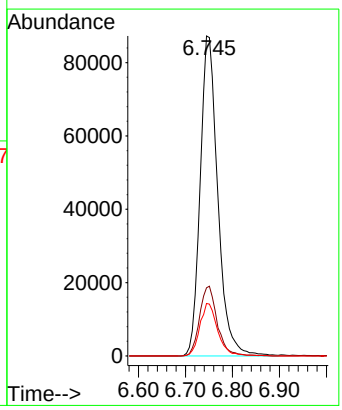


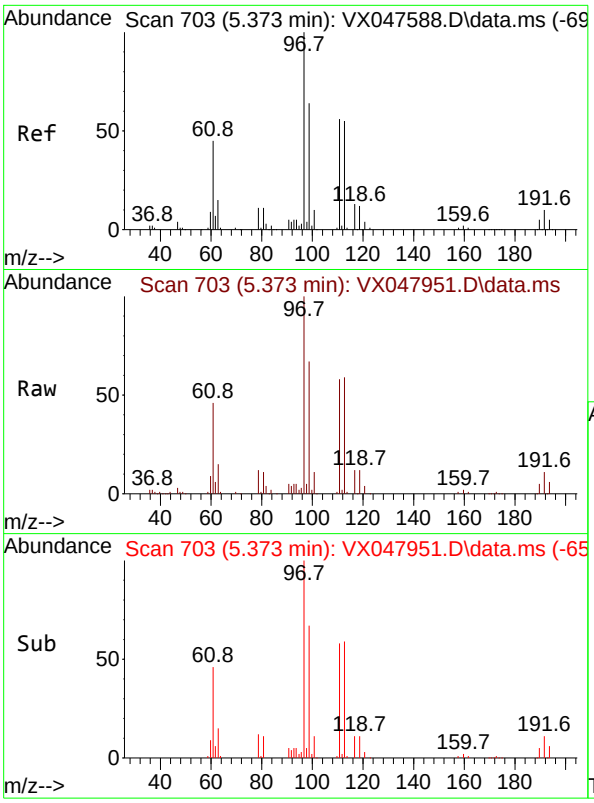


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:114 Resp: 226992

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.4	0.0	34.2



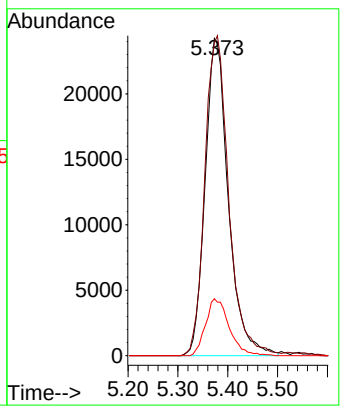


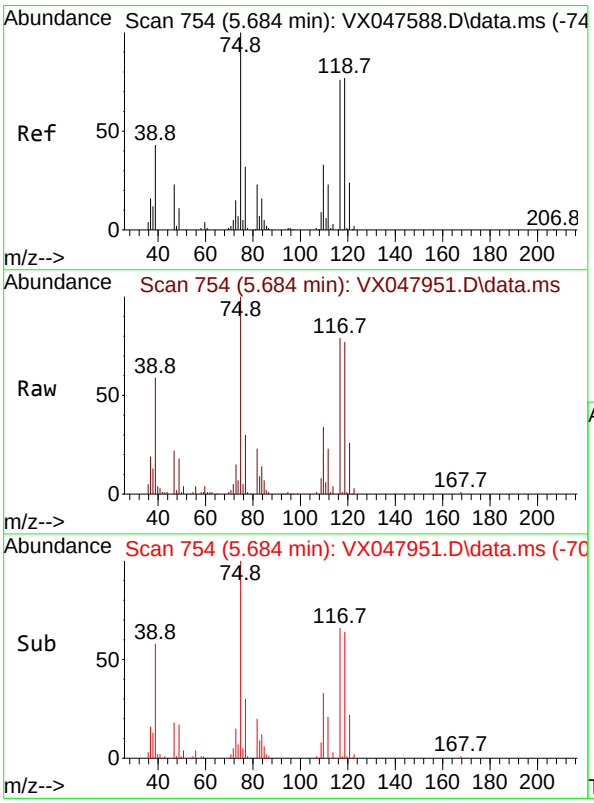
#35
Dibromofluoromethane
Concen: 51.506 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 78410

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.9	121.3
192	18.3	14.2	21.4

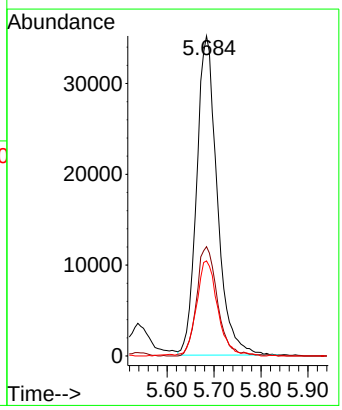


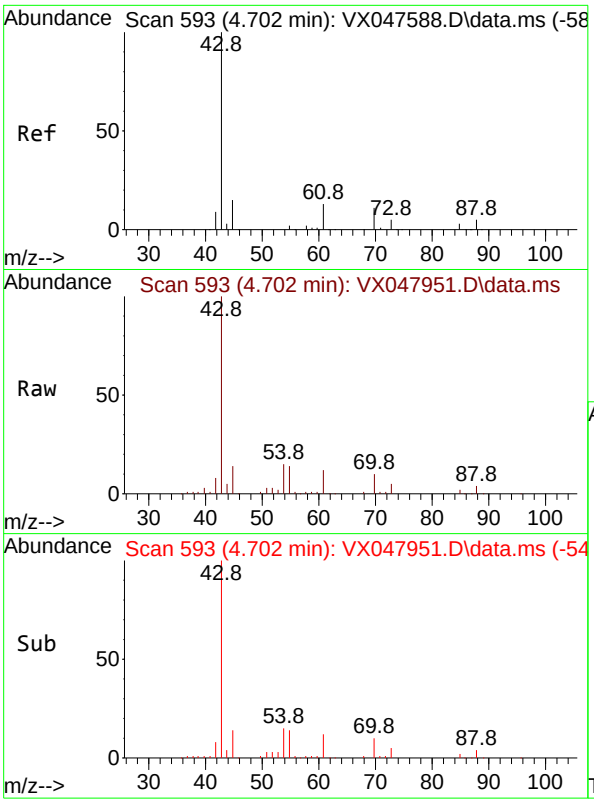


#36
1,1-Dichloropropene
Concen: 48.001 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 106778

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.8	24.3	36.5



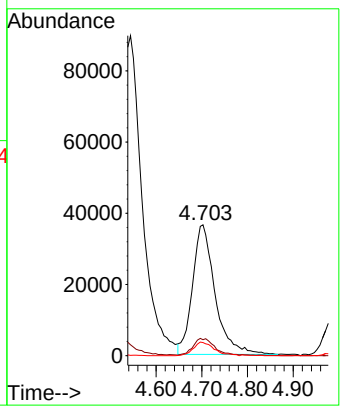


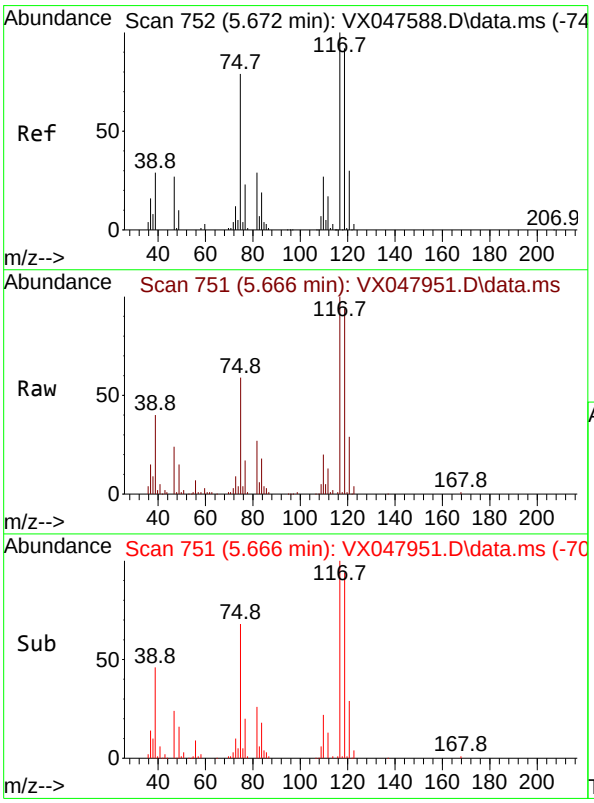
#37
Ethyl Acetate
Concen: 52.317 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 124608

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.6	7.9	11.9

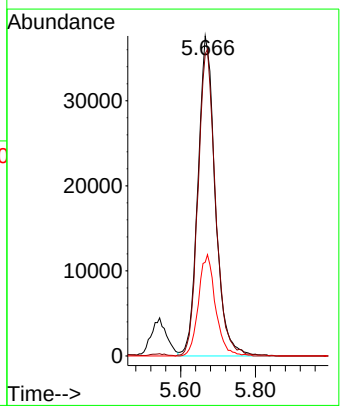


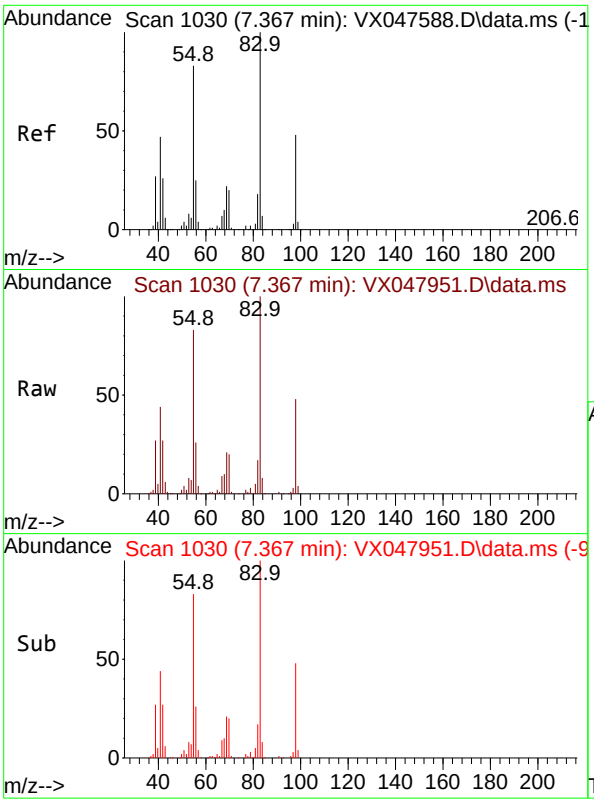


#38
Carbon Tetrachloride
Concen: 50.149 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:117 Resp: 121207

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.4	110.2
121	29.3	23.8	35.6



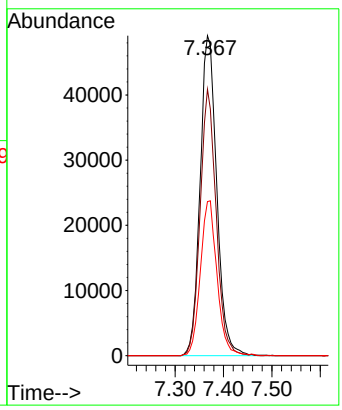


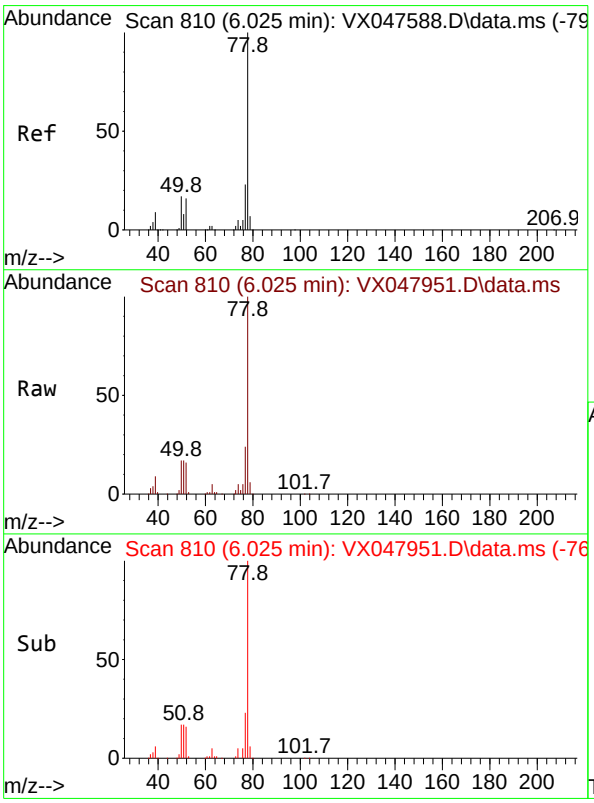
#39
Methylcyclohexane
Concen: 46.536 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 117508

Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	48.2	38.1	57.1

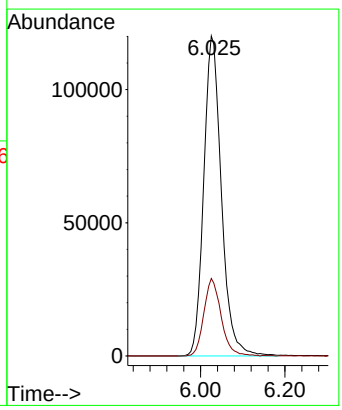


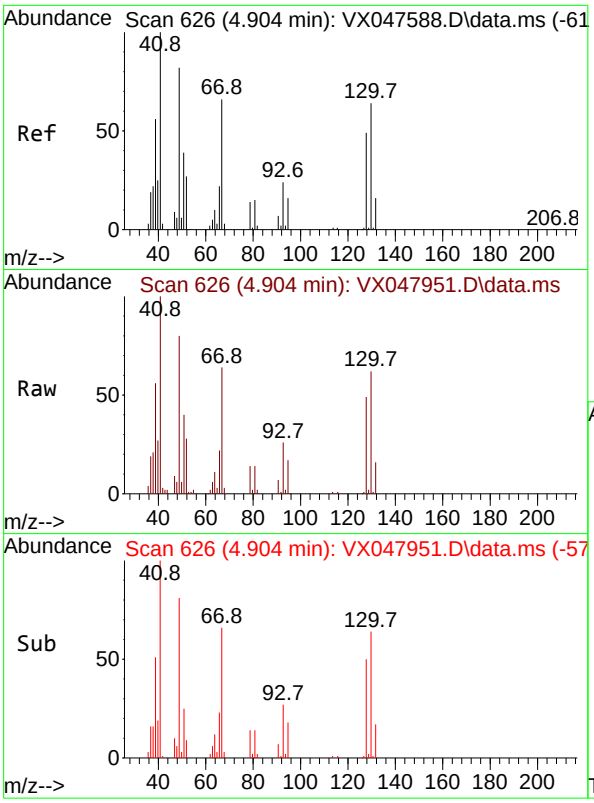


#40
Benzene
Concen: 51.880 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 78 Resp: 350517

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



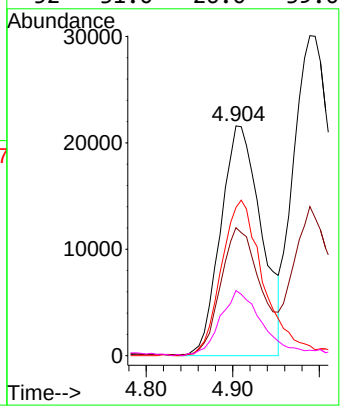


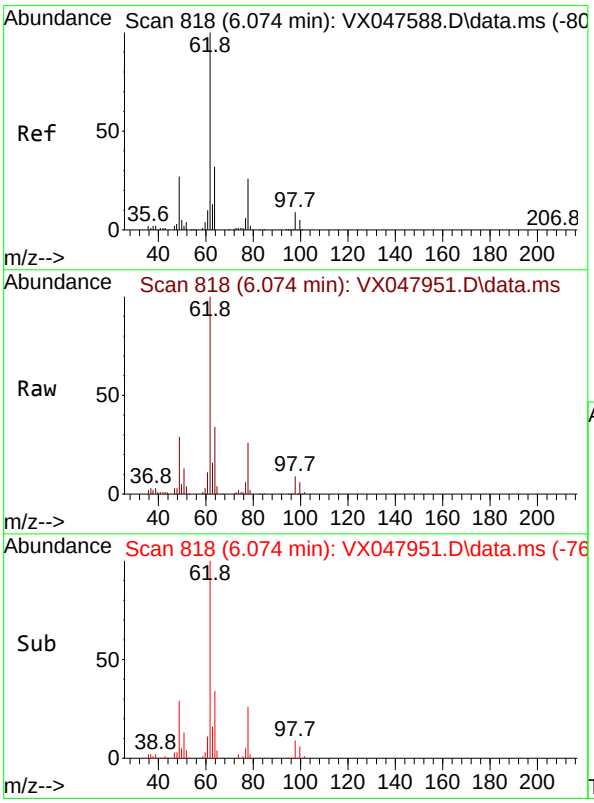
#41
Methacrylonitrile
Concen: 57.354 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 70523

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.3	64.9
67	72.3	58.6	87.8
52	31.0	26.0	39.0

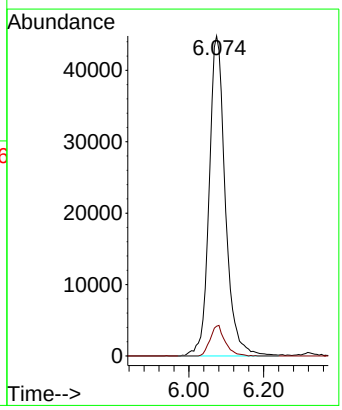


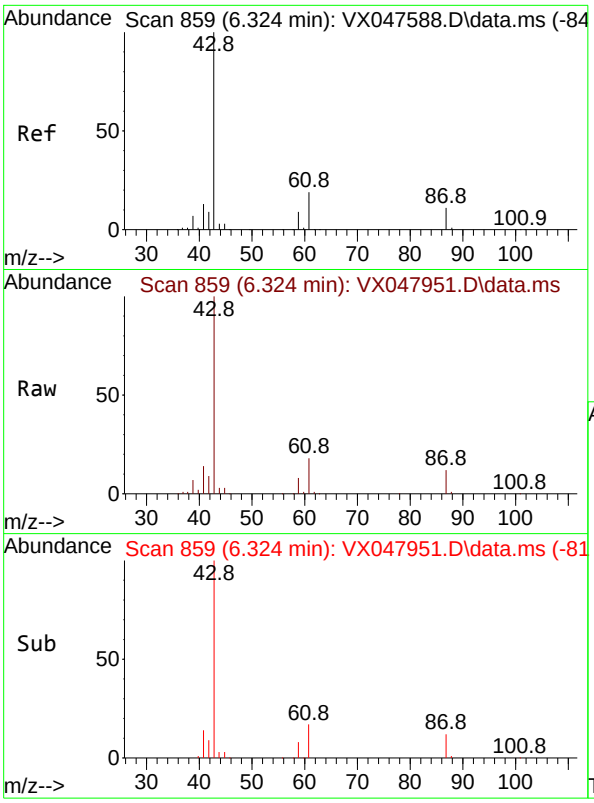


#42
1,2-Dichloroethane
Concen: 52.376 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 62 Resp: 134642

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



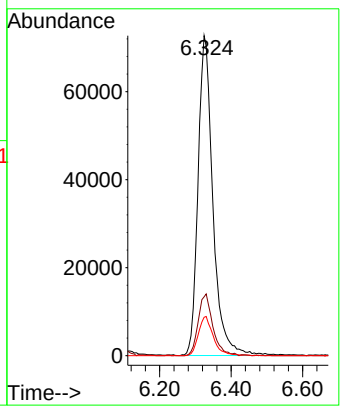


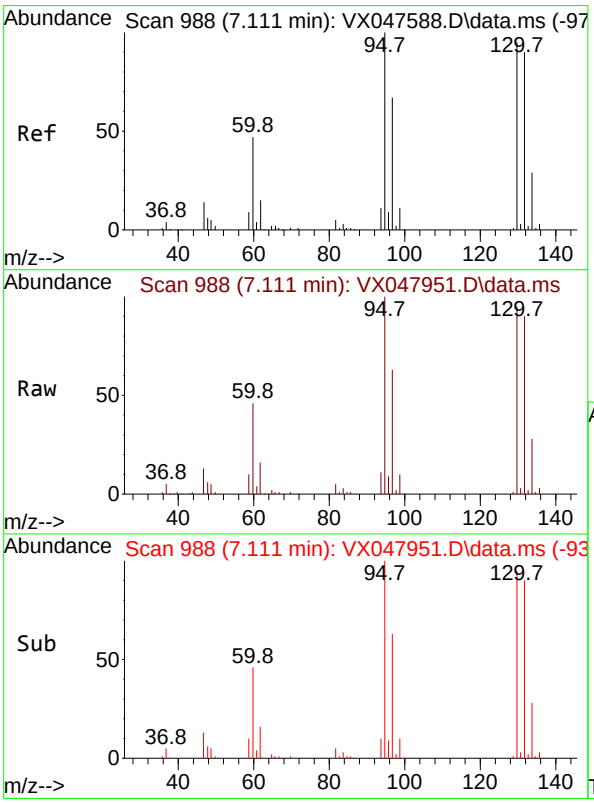
#43
Isopropyl Acetate
Concen: 53.699 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 209765

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.2	9.6	14.4

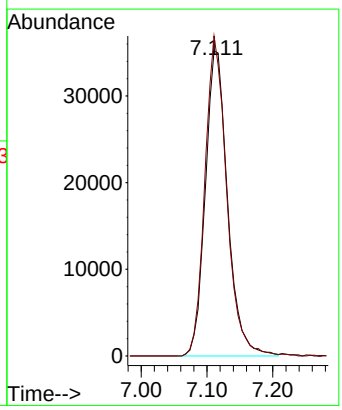


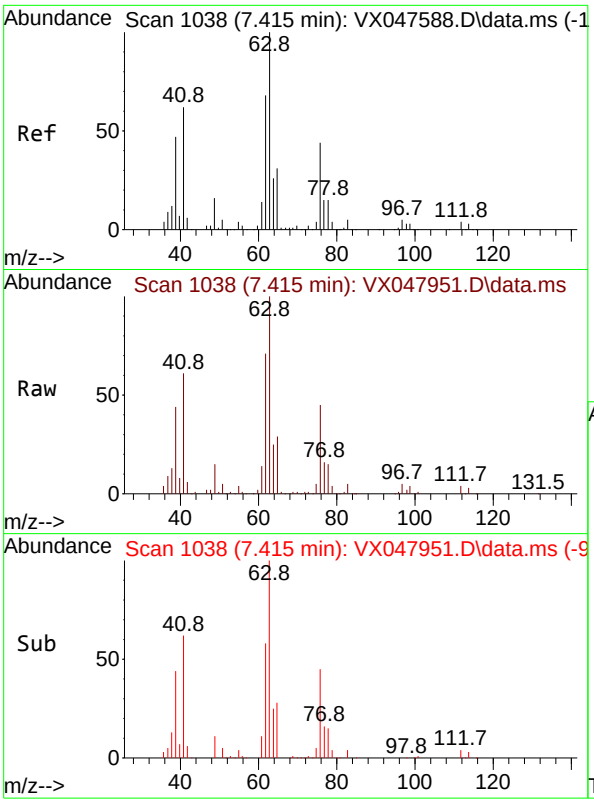


#44
Trichloroethene
Concen: 51.102 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:130 Resp: 83472

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	210.8



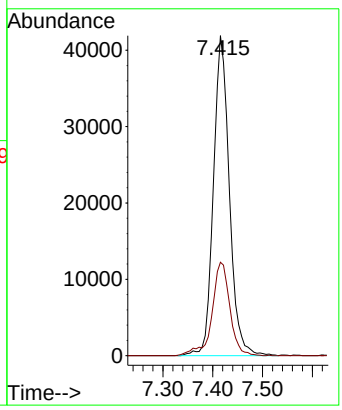


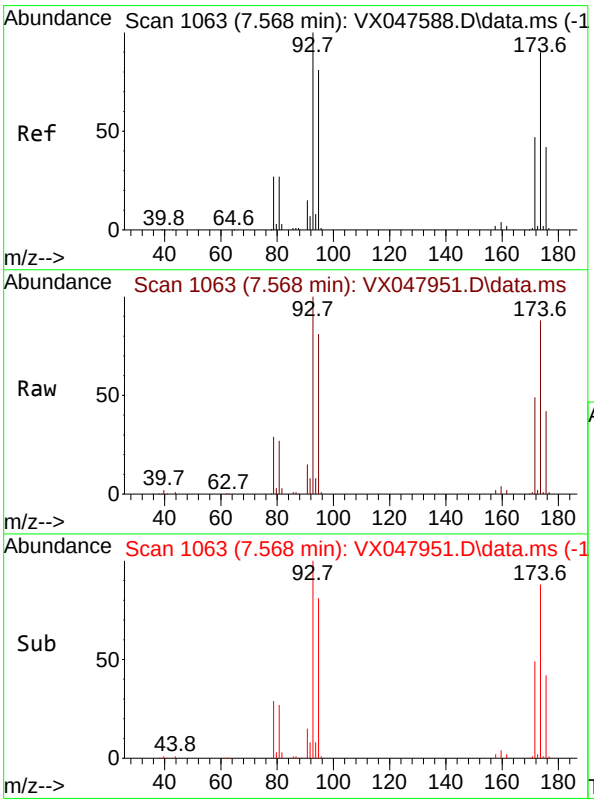
#45
1,2-Dichloropropane
Concen: 53.711 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 92922

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

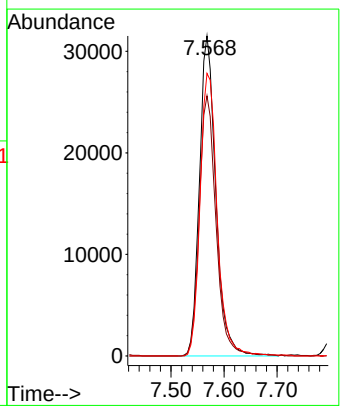


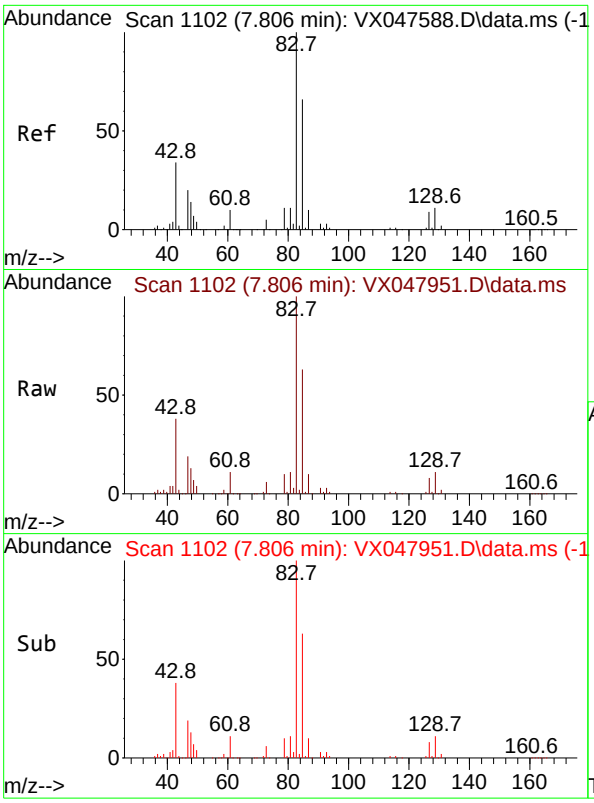


#46
Dibromomethane
Concen: 53.786 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 93 Resp: 67714

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.0	97.6
174	92.4	71.6	107.4



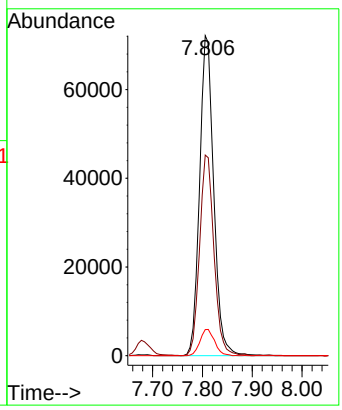


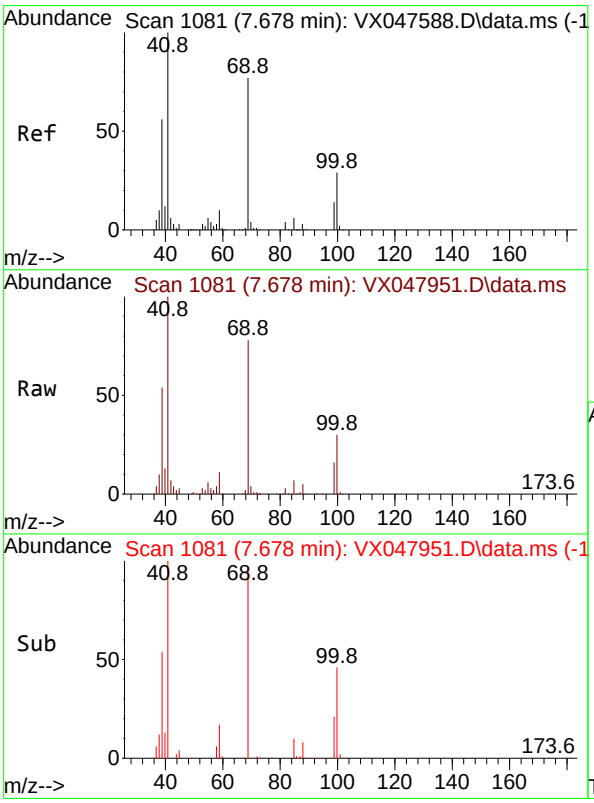
#47
Bromodichloromethane
Concen: 54.690 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 142081

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.5	78.7
127	8.2	6.9	10.3

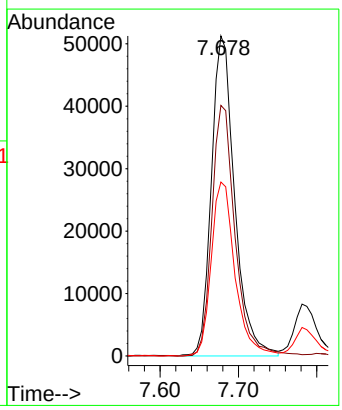


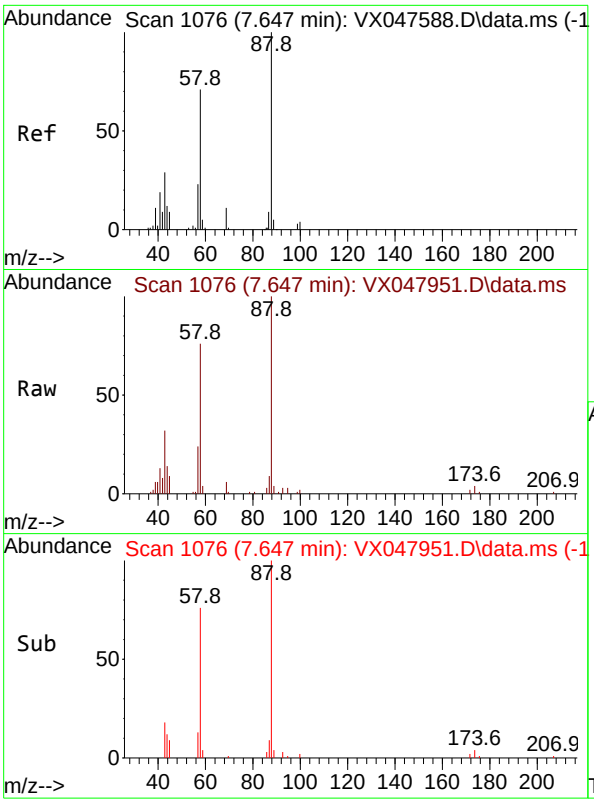


#48
Methyl methacrylate
Concen: 54.395 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 41 Resp: 105840

Ion	Ratio	Lower	Upper
41	100		
69	78.1	61.4	92.2
39	55.4	45.8	68.6



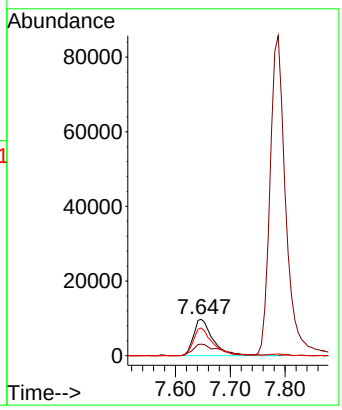


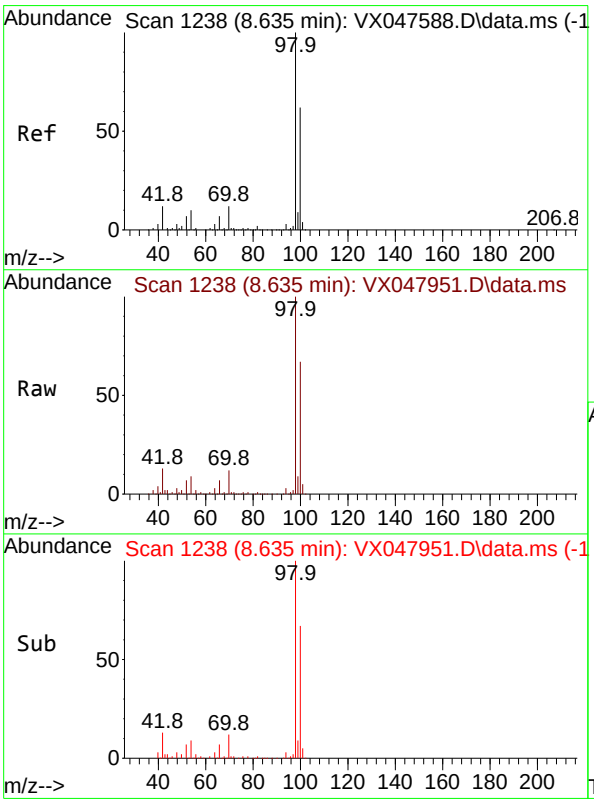
#49
1,4-Dioxane
Concen: 1233.522 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24256

Ion	Ratio	Lower	Upper
88	100		
43	40.5	30.2	45.2
58	76.8	59.5	89.3

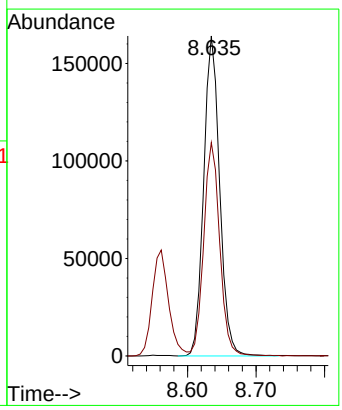


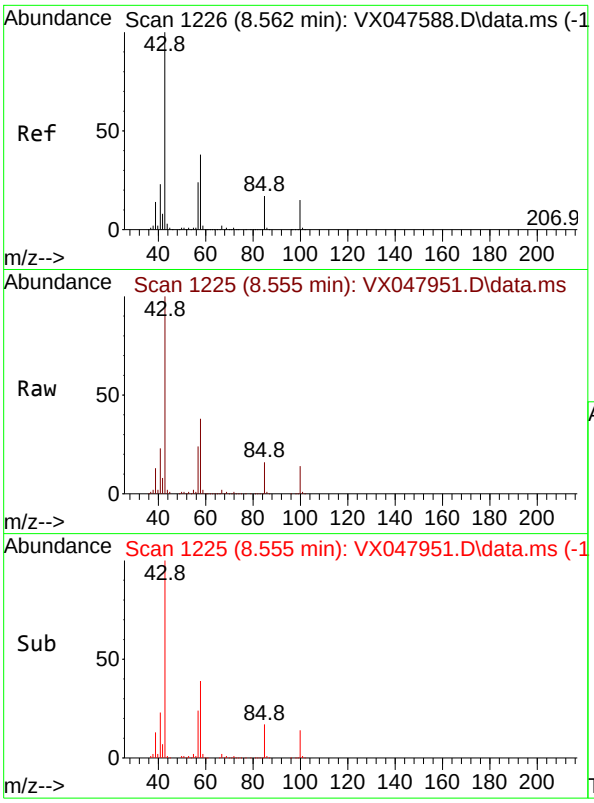


#50
Toluene-d8
Concen: 50.632 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 98 Resp: 266707

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4



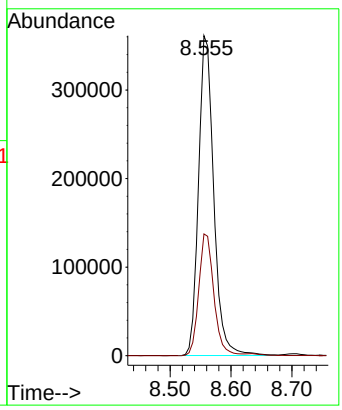


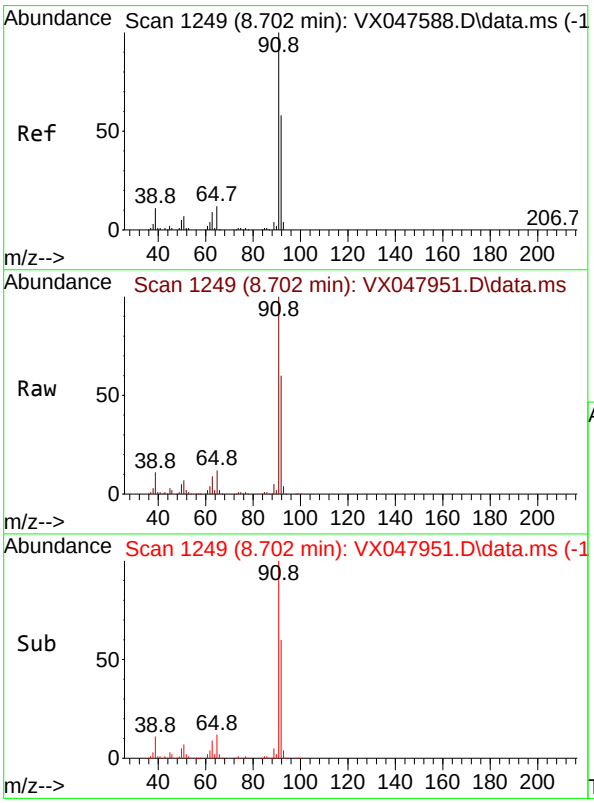
#51
4-Methyl-2-Pentanone
Concen: 290.007 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 628101

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

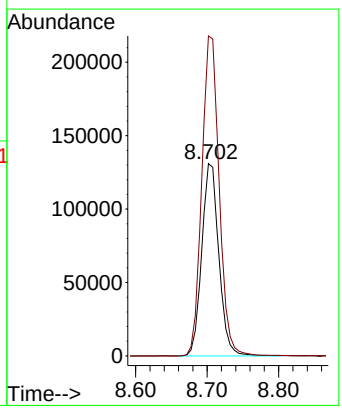


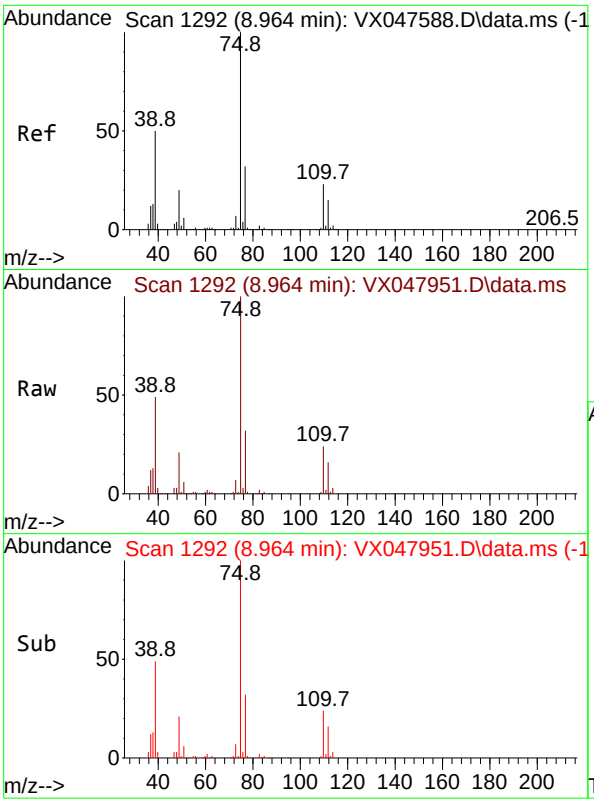


#52
Toluene
Concen: 52.243 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 92 Resp: 217465

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.1	205.7



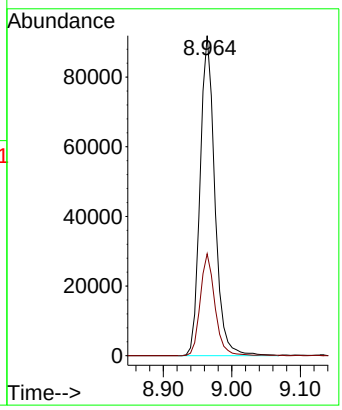


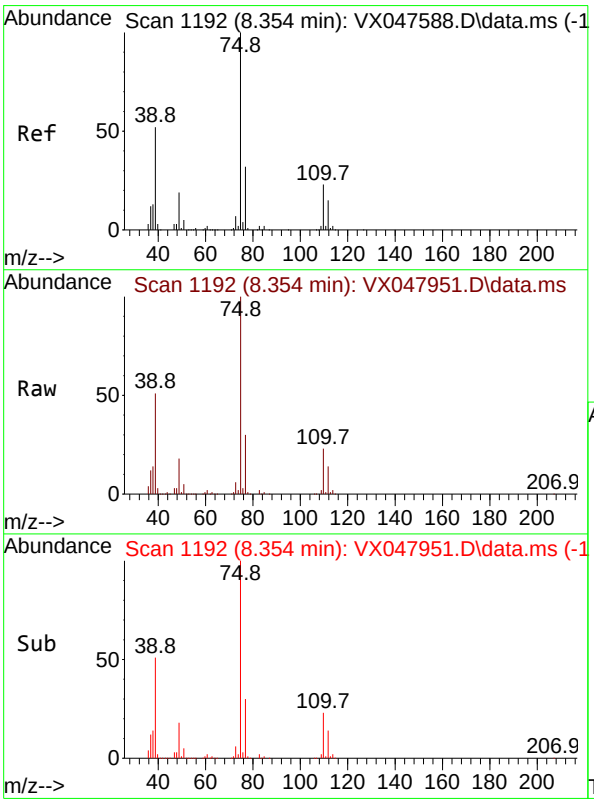
#53
t-1,3-Dichloropropene
Concen: 51.999 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 137793

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

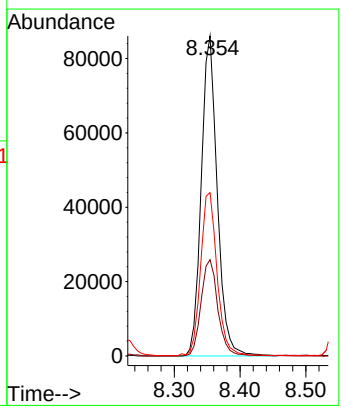


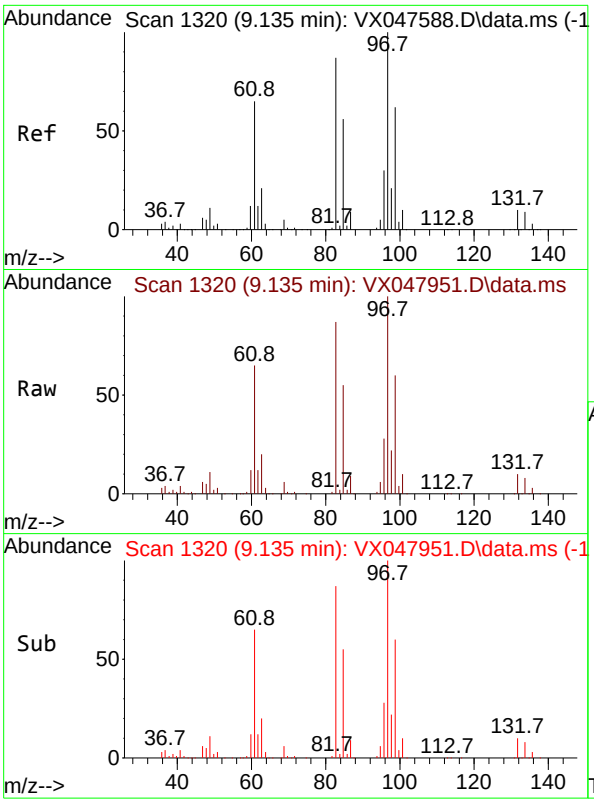


#54
cis-1,3-Dichloropropene
Concen: 51.366 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 145487

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	50.4	41.4	62.2



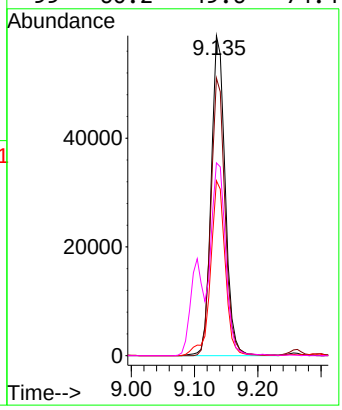


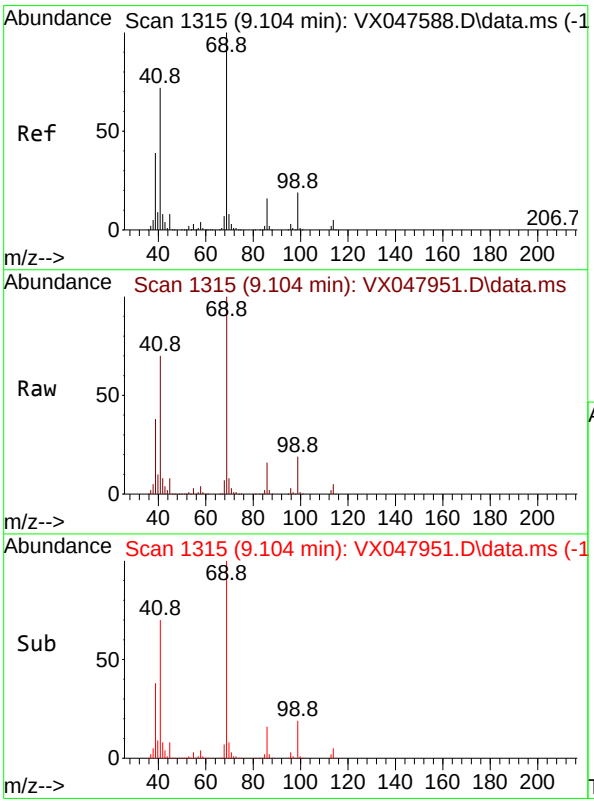
#55
1,1,2-Trichloroethane
Concen: 56.354 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 90452

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.6	104.4
85	54.7	45.0	67.6
99	60.2	49.6	74.4

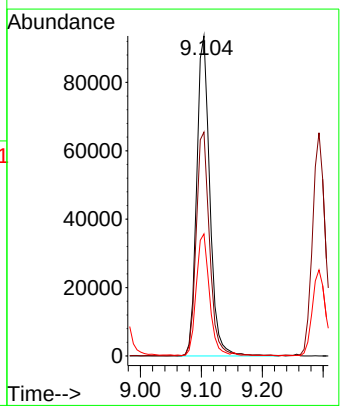


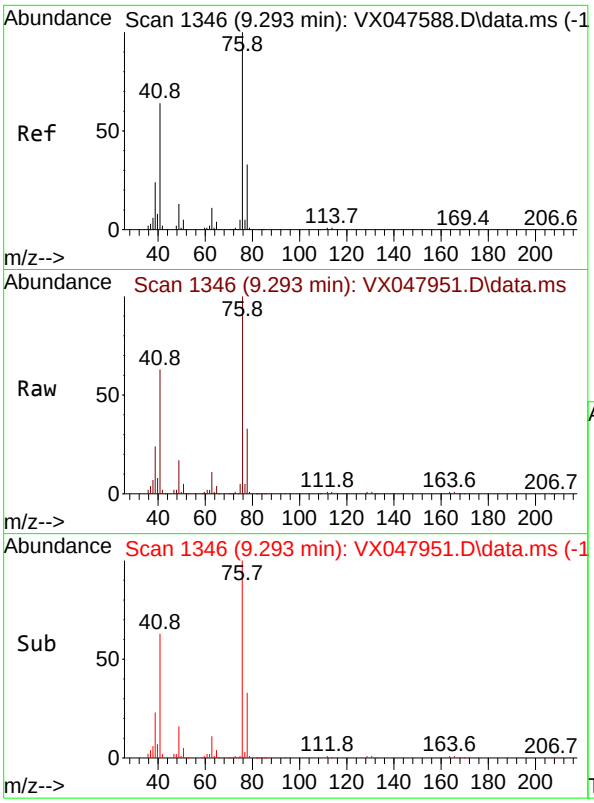


#56
Ethyl methacrylate
Concen: 55.650 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 69 Resp: 140278

Ion	Ratio	Lower	Upper
69	100		
41	70.9	58.6	87.8
39	38.6	31.5	47.3



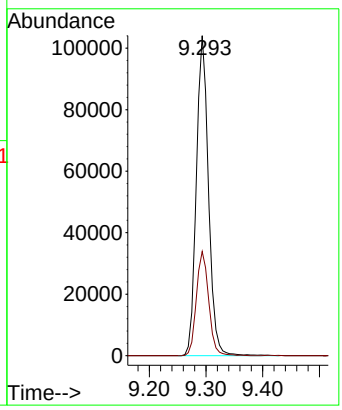


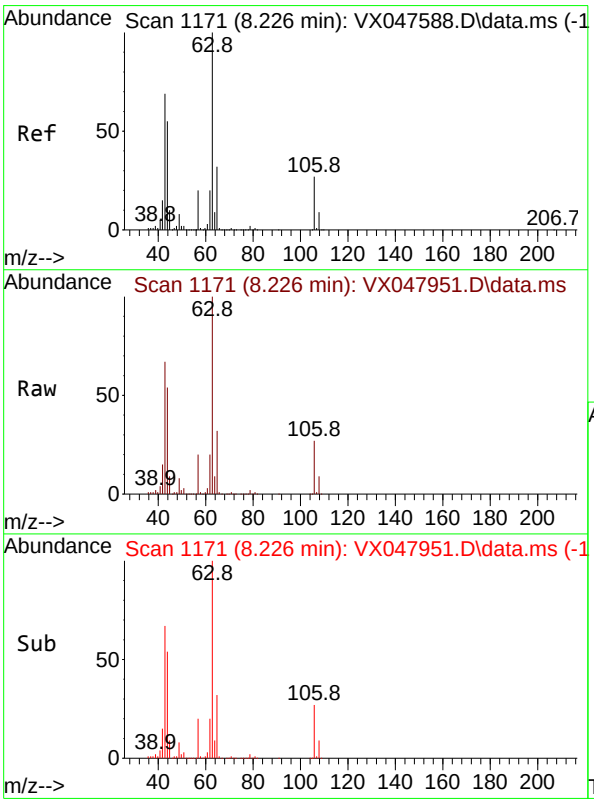
#57
1,3-Dichloropropane
Concen: 56.148 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 154812

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

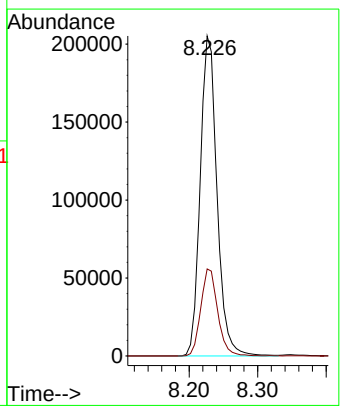


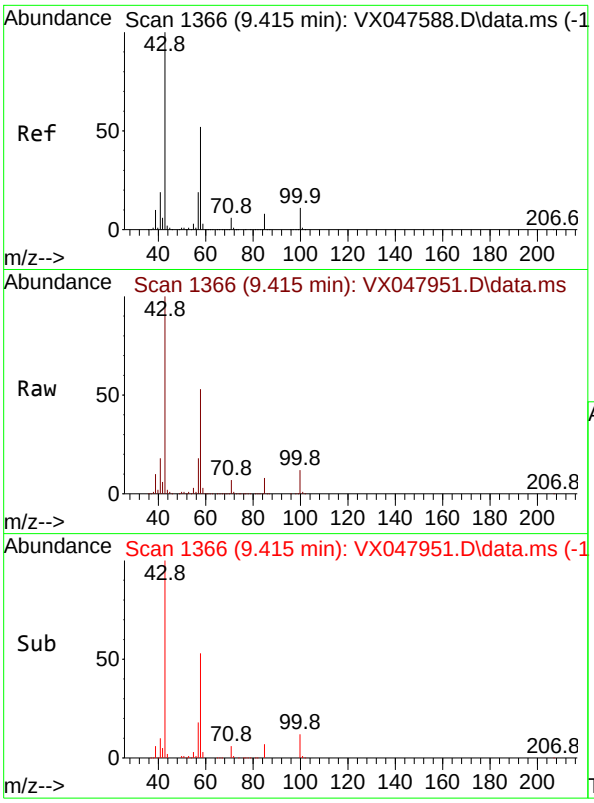


#58
2-Chloroethyl Vinyl ether
Concen: 287.656 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 63 Resp: 349890

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



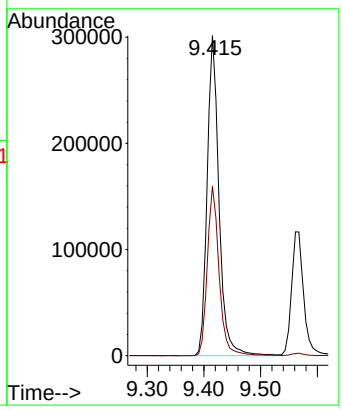


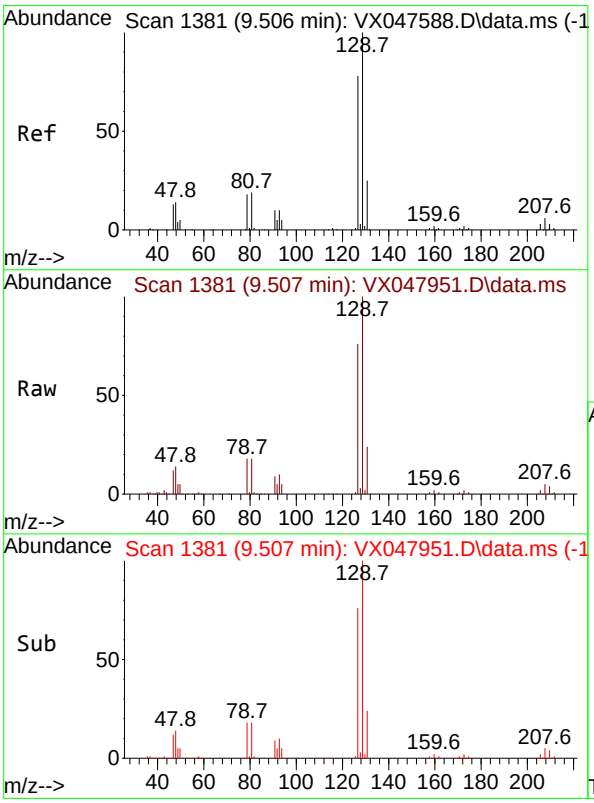
#59
2-Hexanone
Concen: 280.325 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 436044

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

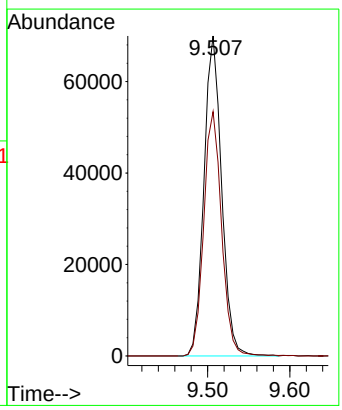


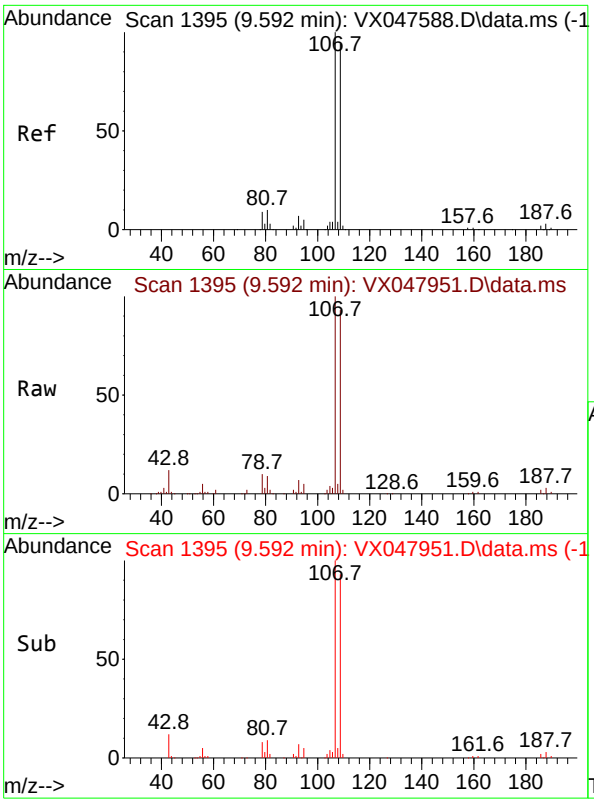


#60
Dibromochloromethane
Concen: 56.483 ug/l
RT: 9.507 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:129 Resp: 104459

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2



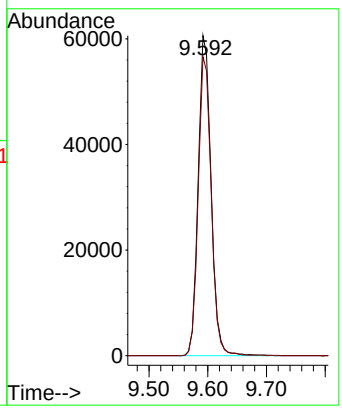


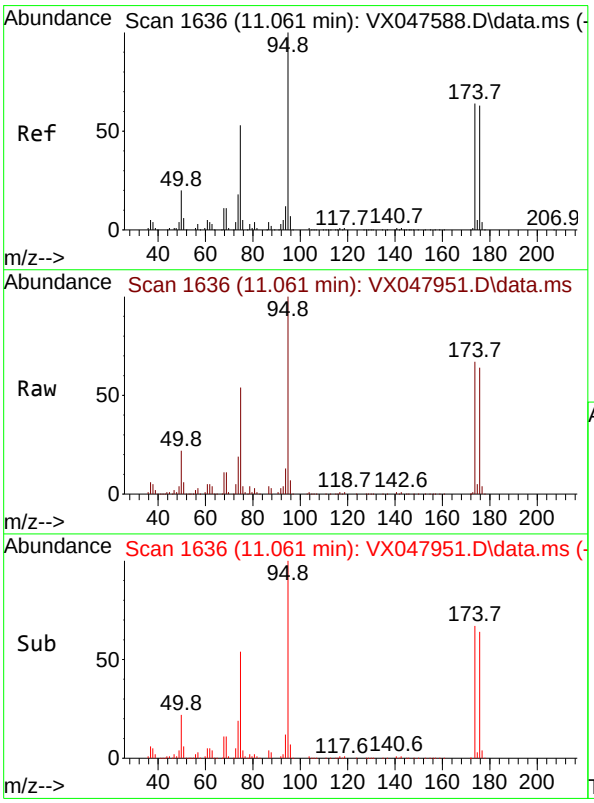
#61
1,2-Dibromoethane
Concen: 56.608 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 92545

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.3	112.9

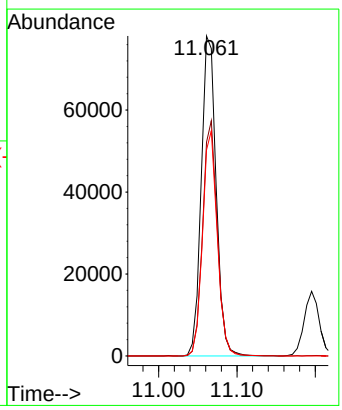


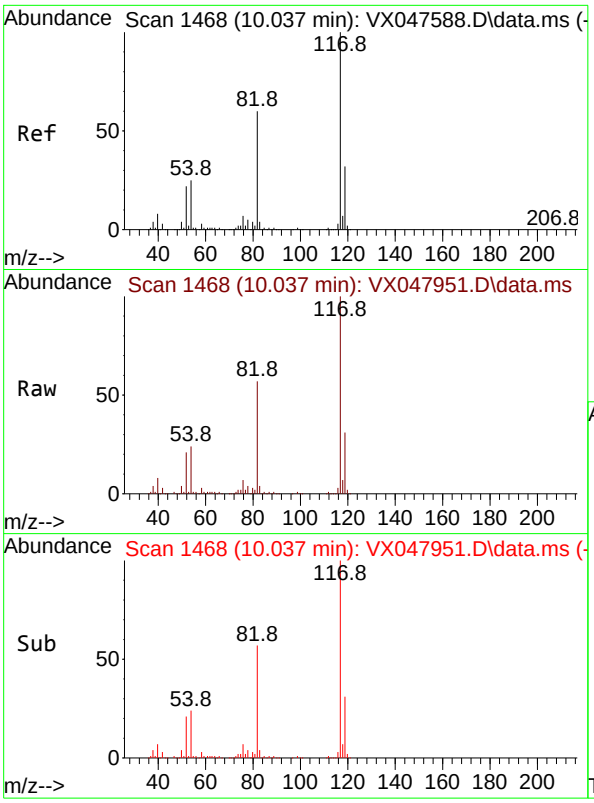


#62
4-Bromofluorobenzene
Concen: 51.557 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 95 Resp: 103069

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	69.3	0.0	138.4



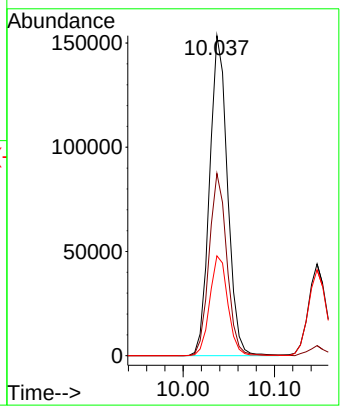


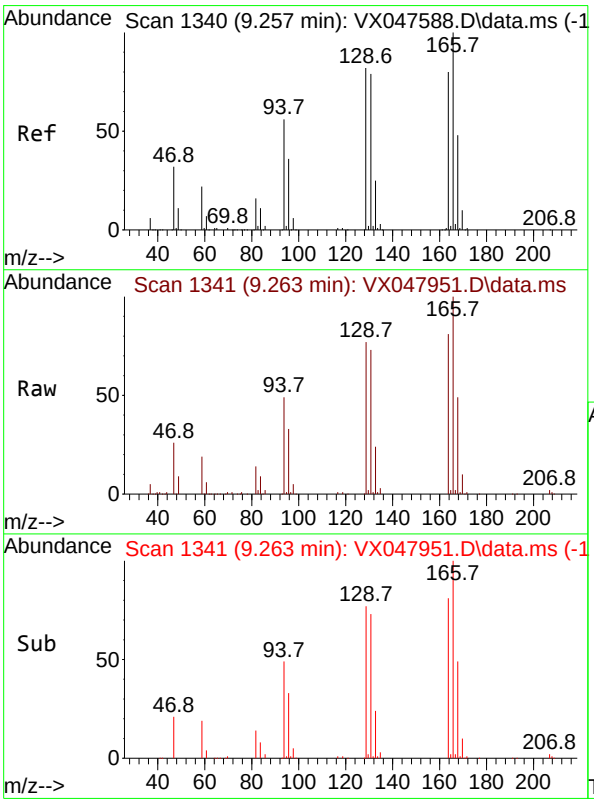
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 208710

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.8	71.6
119	31.2	25.2	37.8

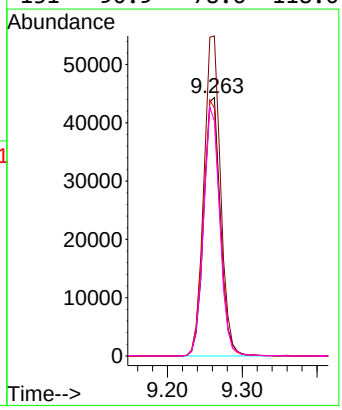


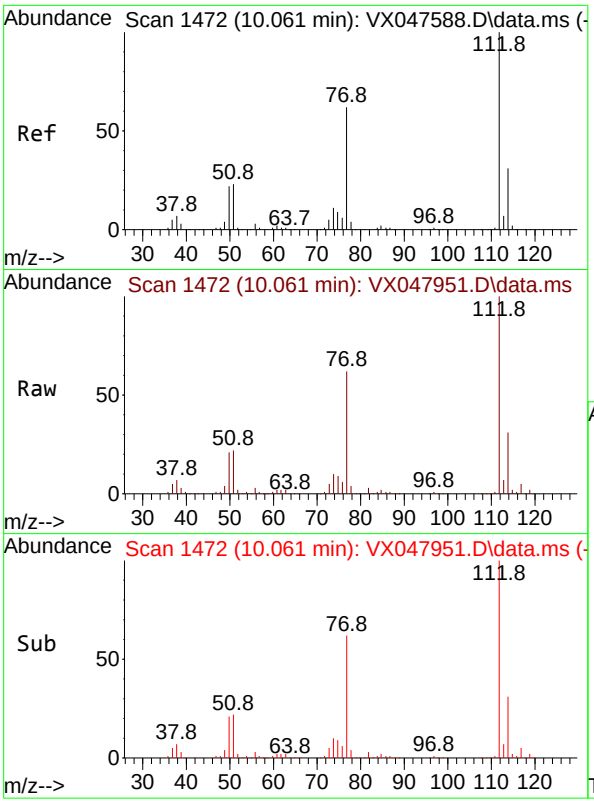


#64
Tetrachloroethene
Concen: 50.076 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:164 Resp: 68132

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	95.9	81.8	122.6
131	90.9	78.6	118.0



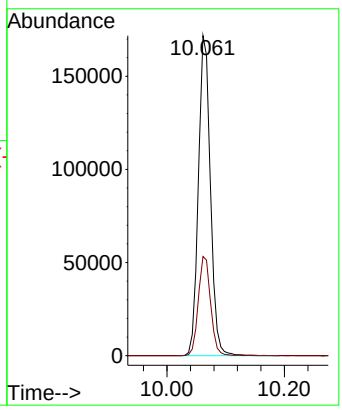


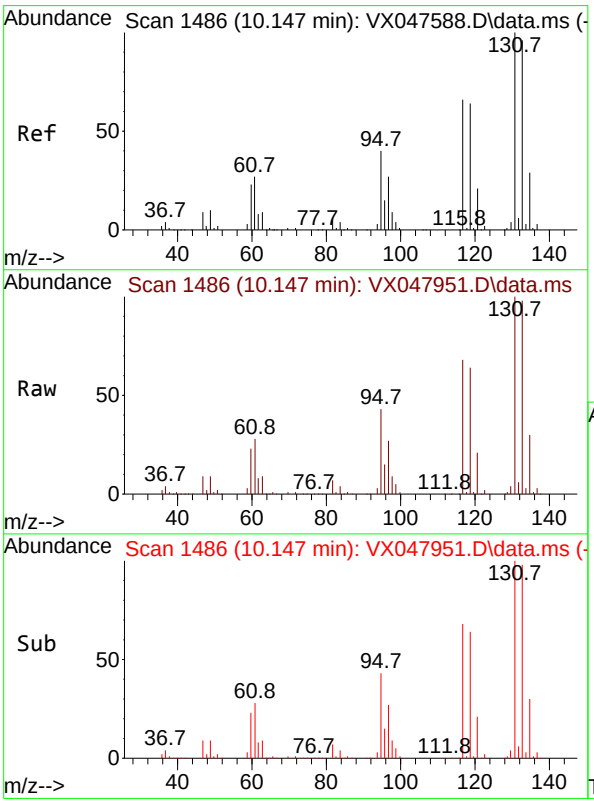
#65
Chlorobenzene
Concen: 51.241 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 242961

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7

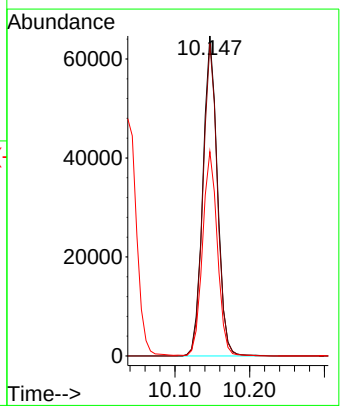


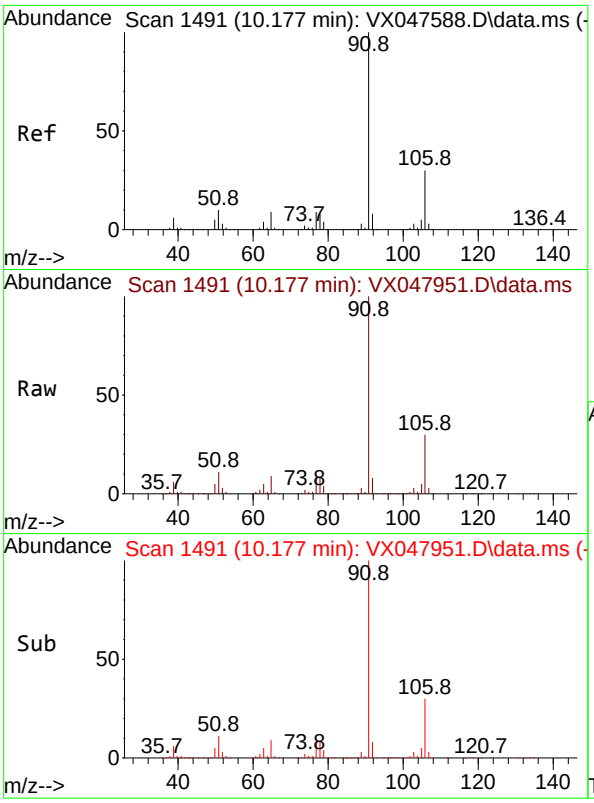


#66
1,1,1,2-Tetrachloroethane
Concen: 53.346 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:131 Resp: 87283

Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	65.2	32.0	96.0



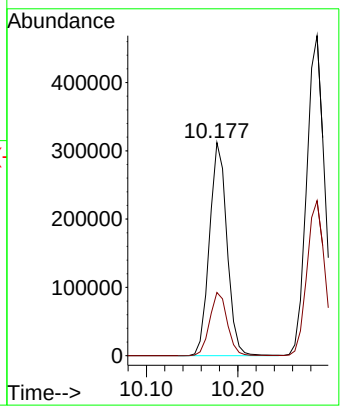


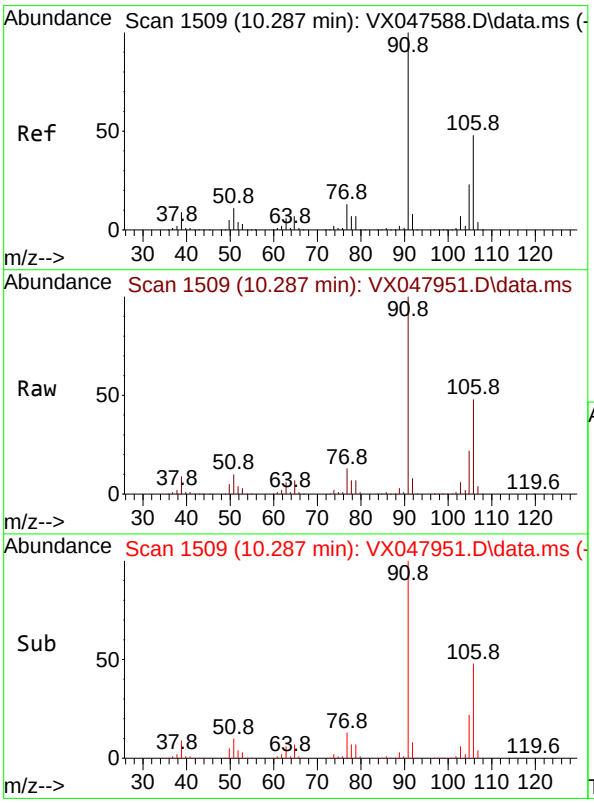
#67
Ethyl Benzene
Concen: 50.575 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 413758

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5

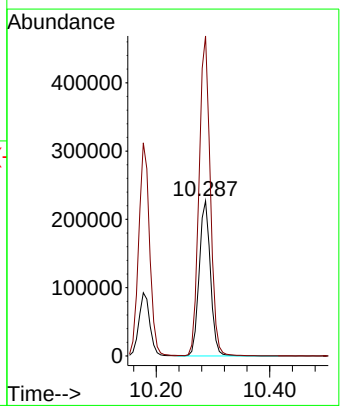


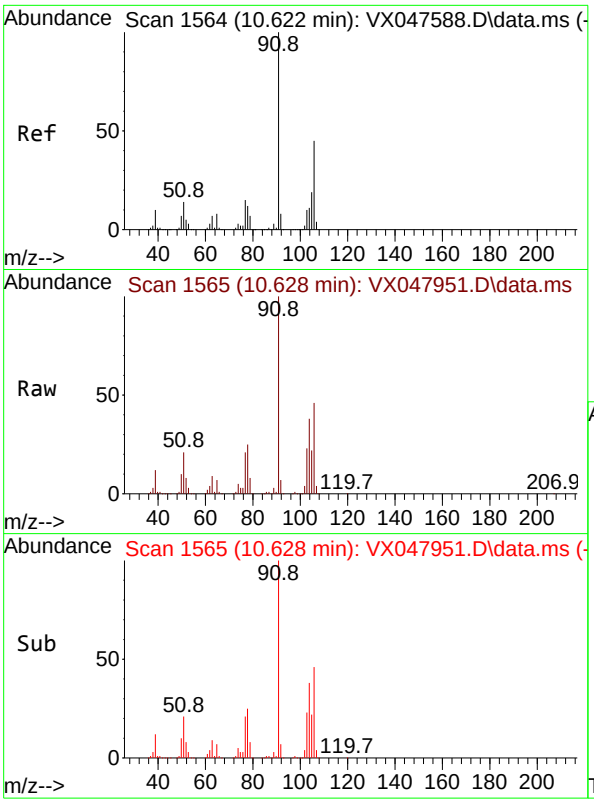


#68
m/p-Xylenes
Concen: 102.520 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:106 Resp: 312179

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.8	251.8



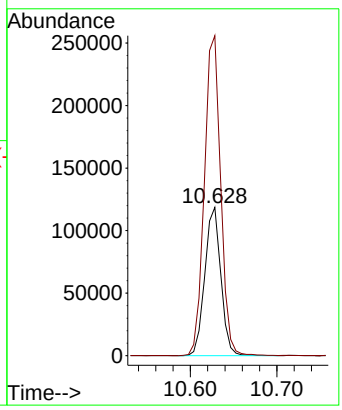


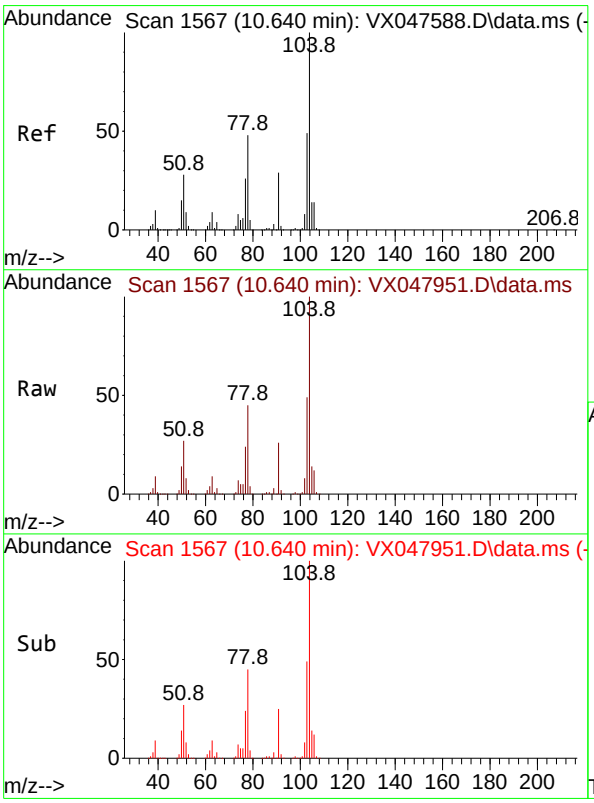
#69
o-Xylene
Concen: 51.807 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 152586

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

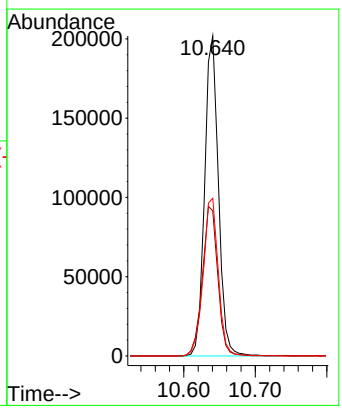


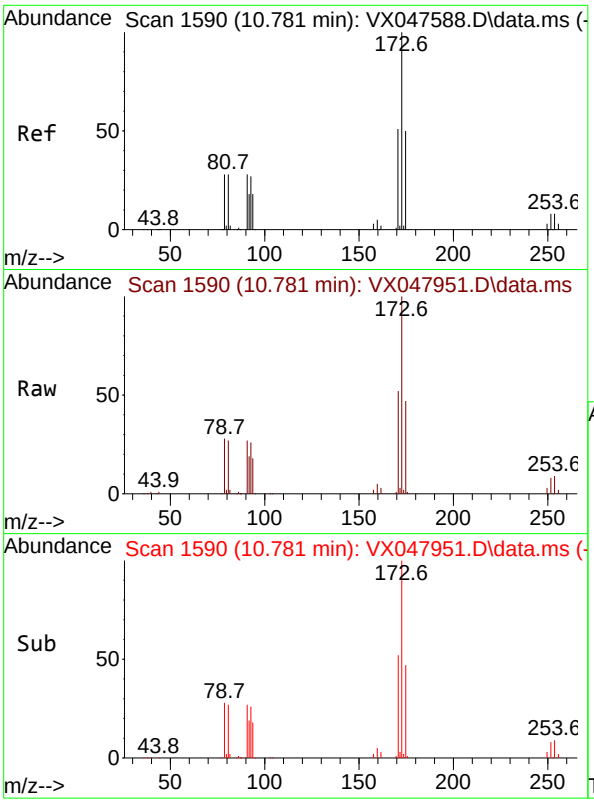


#70
Styrene
Concen: 52.490 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:104 Resp: 270885

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	54.0	43.1	64.7



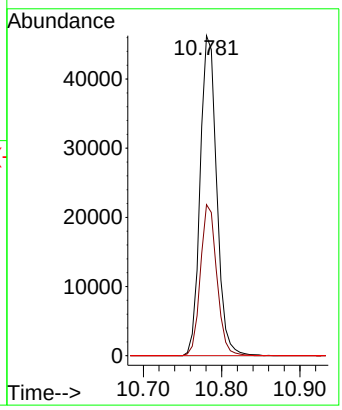


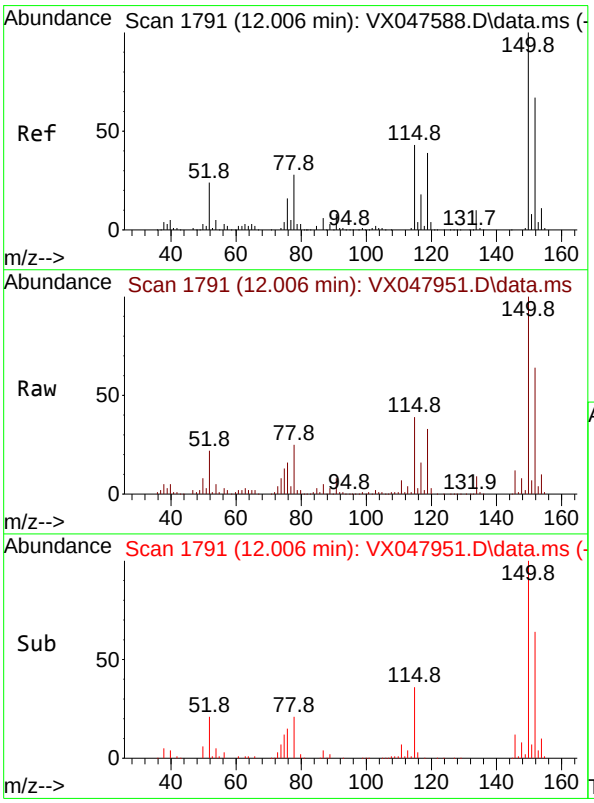
#71
Bromoform
Concen: 55.387 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 67667

Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.9	74.6
254	0.0	0.1	0.1#

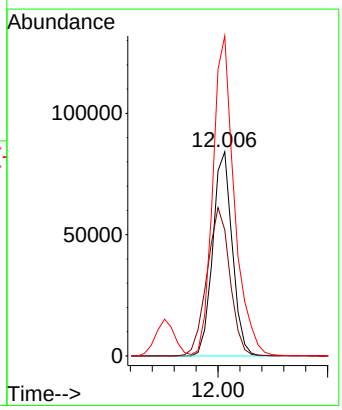


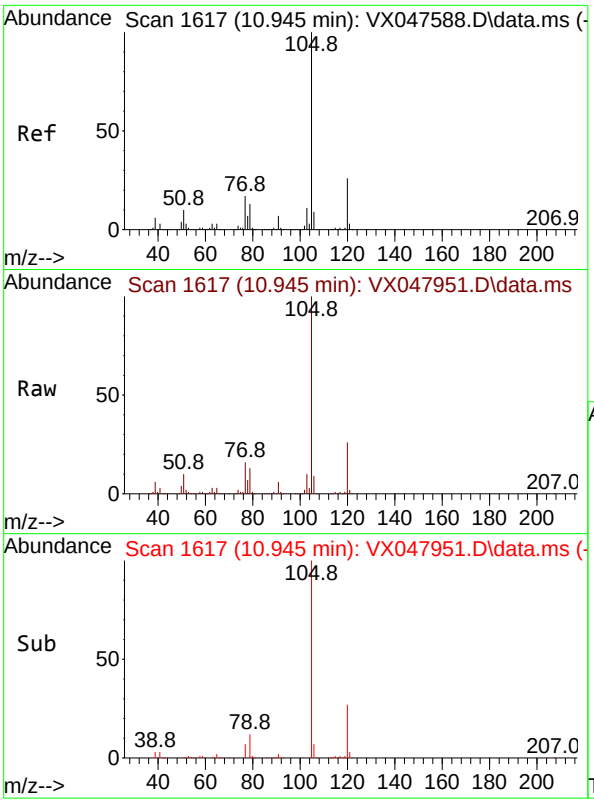


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:152 Resp: 104001

Ion	Ratio	Lower	Upper
152	100		
115	85.6	44.9	134.5
150	173.5	0.0	352.0



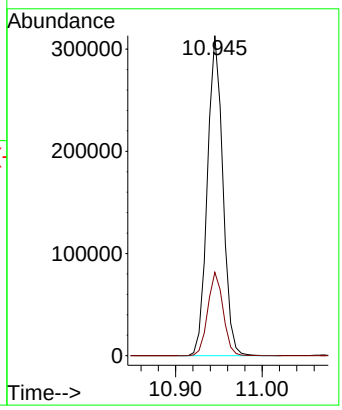


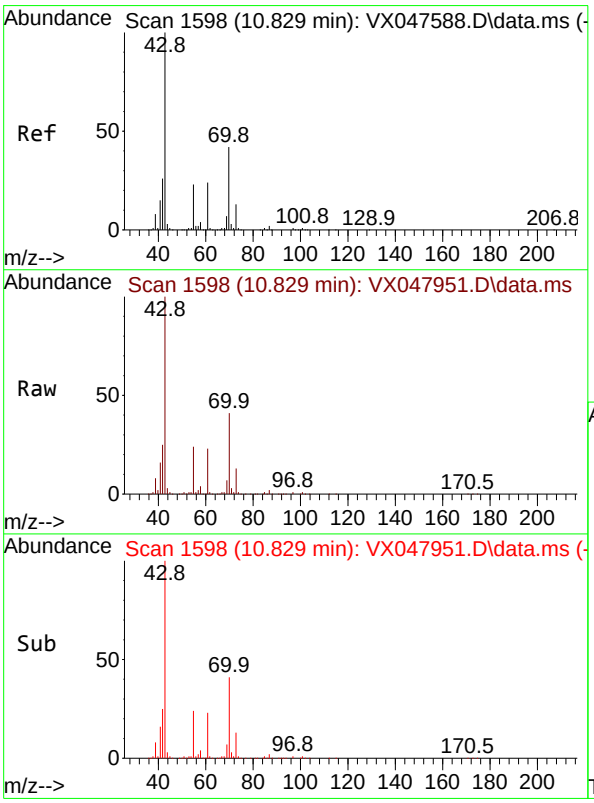
#73
Isopropylbenzene
Concen: 49.069 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 387978

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

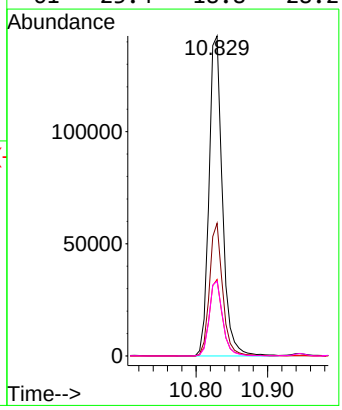


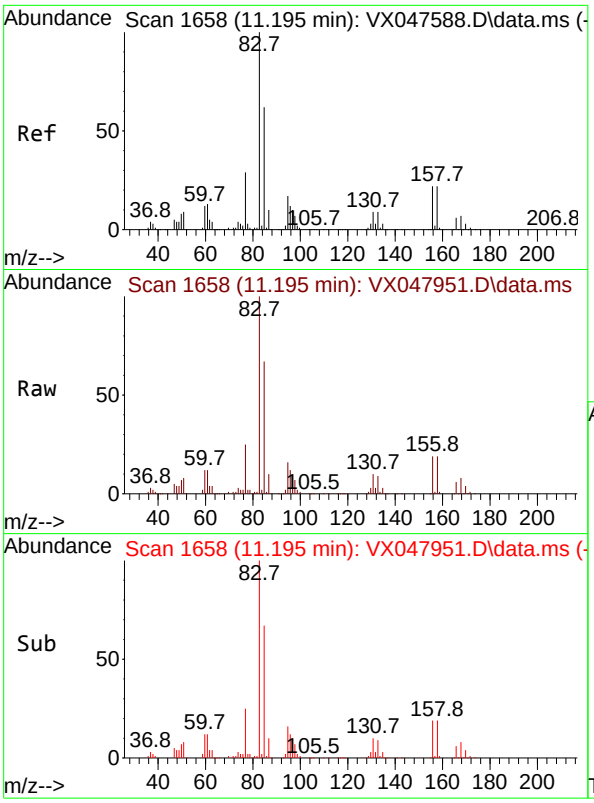


#74
N-amyl acetate
Concen: 51.599 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 43 Resp: 186045

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.0	48.0
55	23.8	18.9	28.3
61	23.4	18.8	28.2



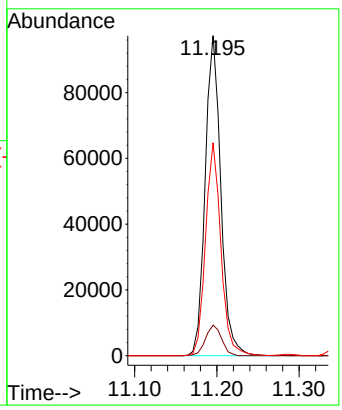


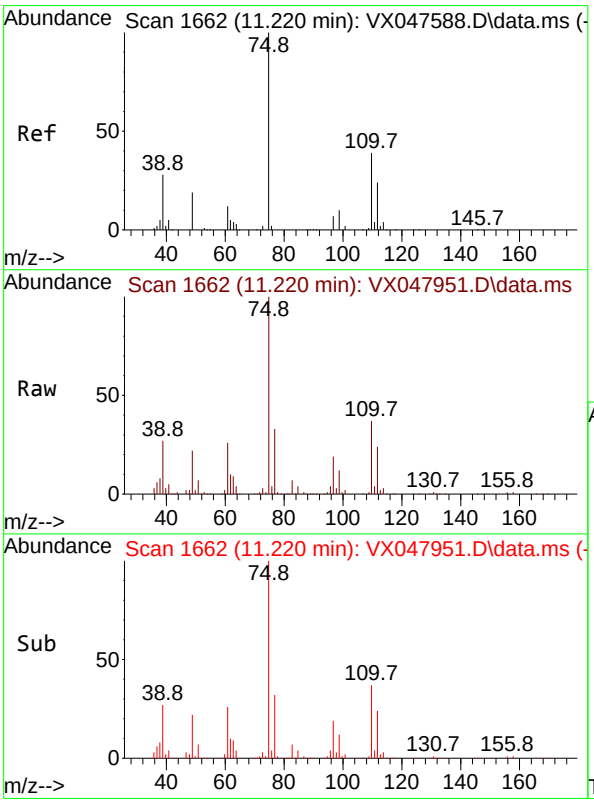
#75
1,1,2,2-Tetrachloroethane
Concen: 53.684 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 128423

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.6	31.6	95.0

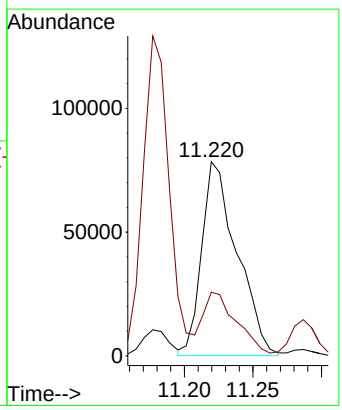


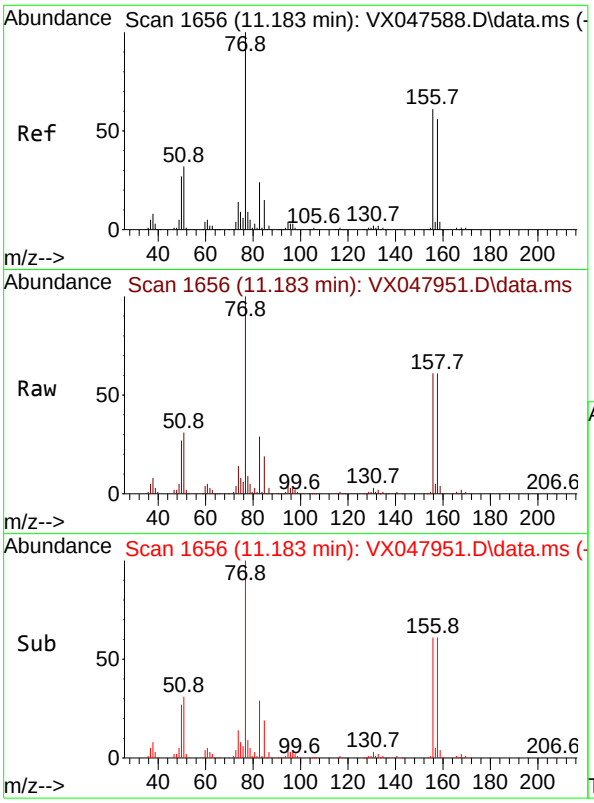


#76
1,2,3-Trichloropropane
Concen: 66.843 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 140751

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



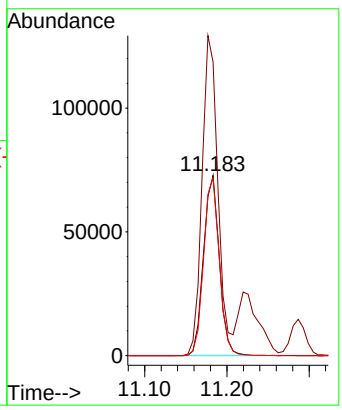


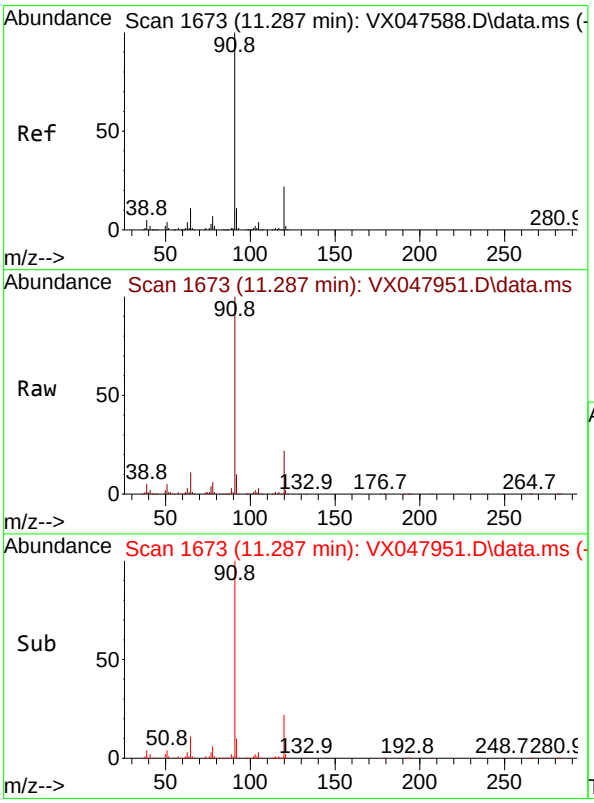
#77
Bromobenzene
Concen: 50.034 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 97437

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.4	47.9	143.6

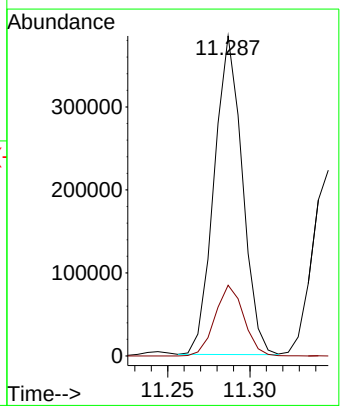


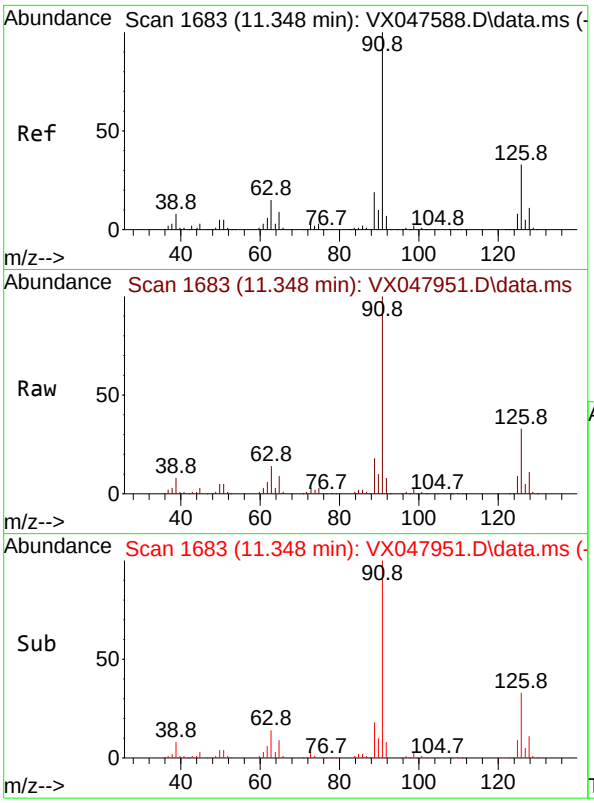


#78
n-propylbenzene
Concen: 48.965 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 457669

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



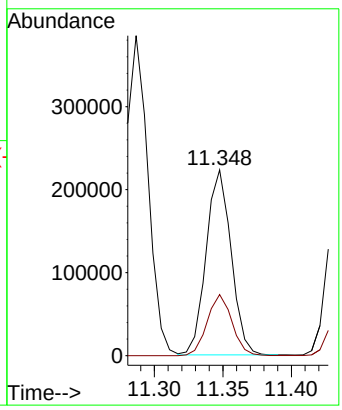


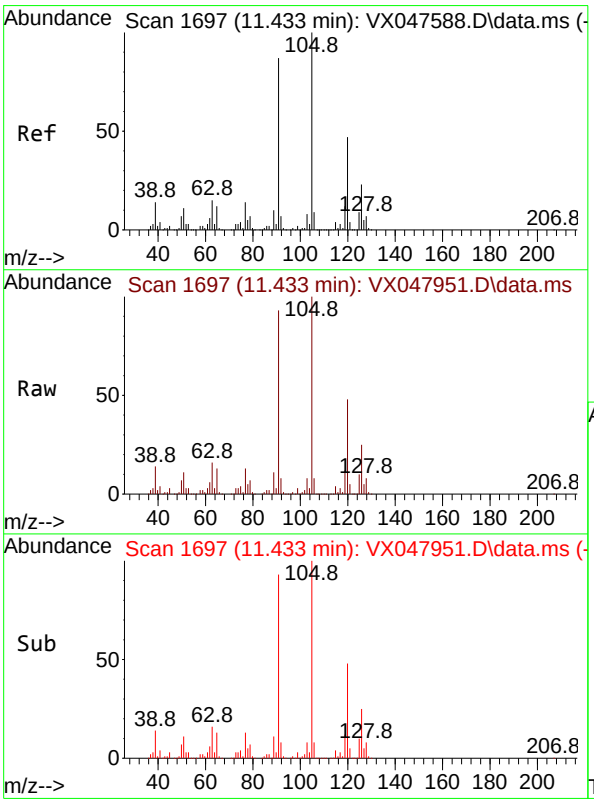
#79
2-Chlorotoluene
Concen: 49.411 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 282868

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

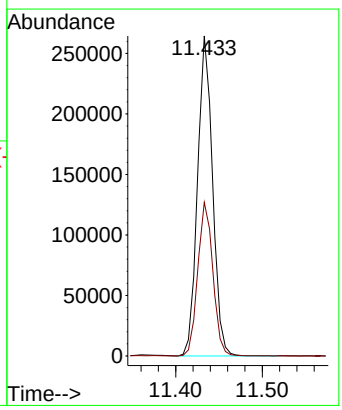


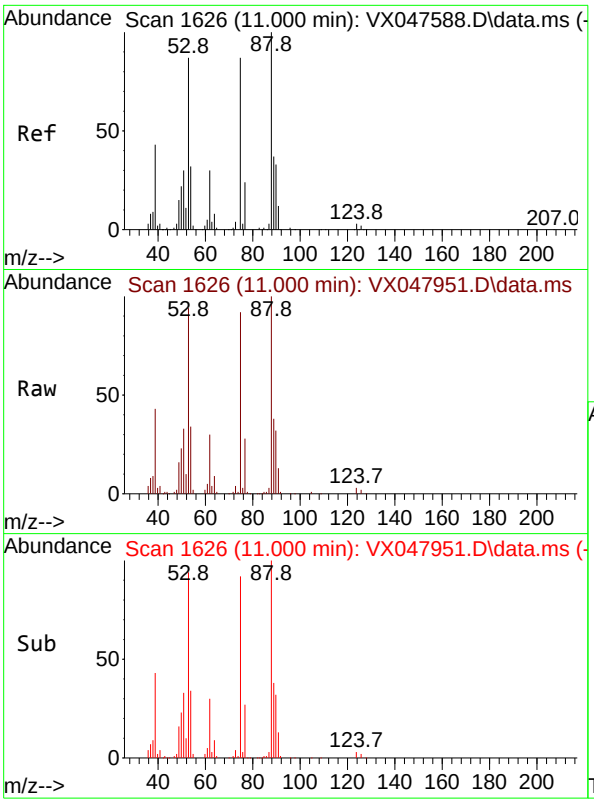


#80
1,3,5-Trimethylbenzene
Concen: 49.089 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:105 Resp: 318890

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.6	70.8



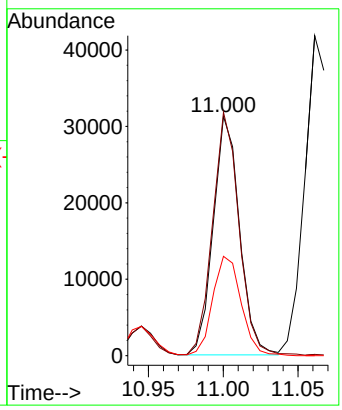


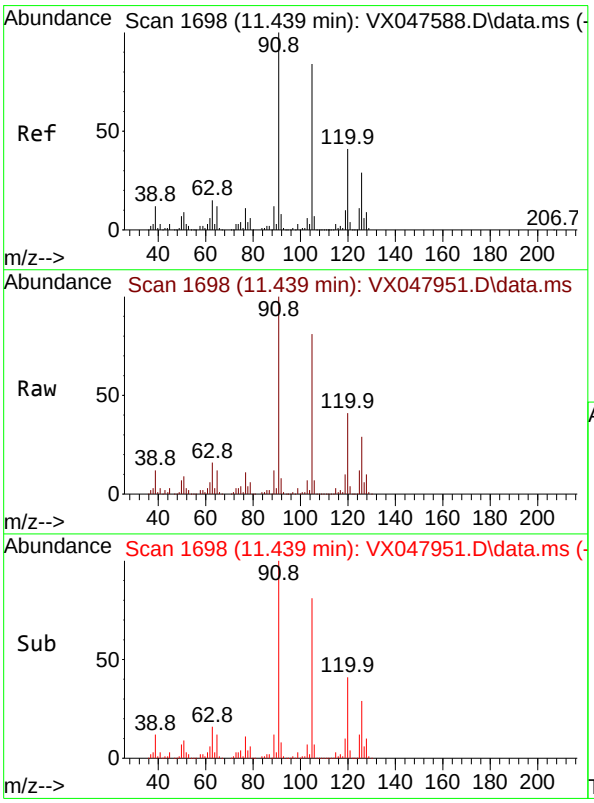
#81
trans-1,4-Dichloro-2-butene
Concen: 46.236 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 38178

Ion	Ratio	Lower	Upper
75	100		
53	103.7	83.4	125.2
89	45.1	36.3	54.5

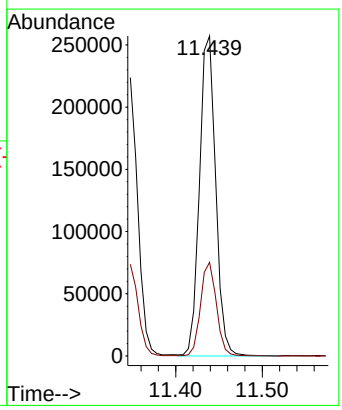


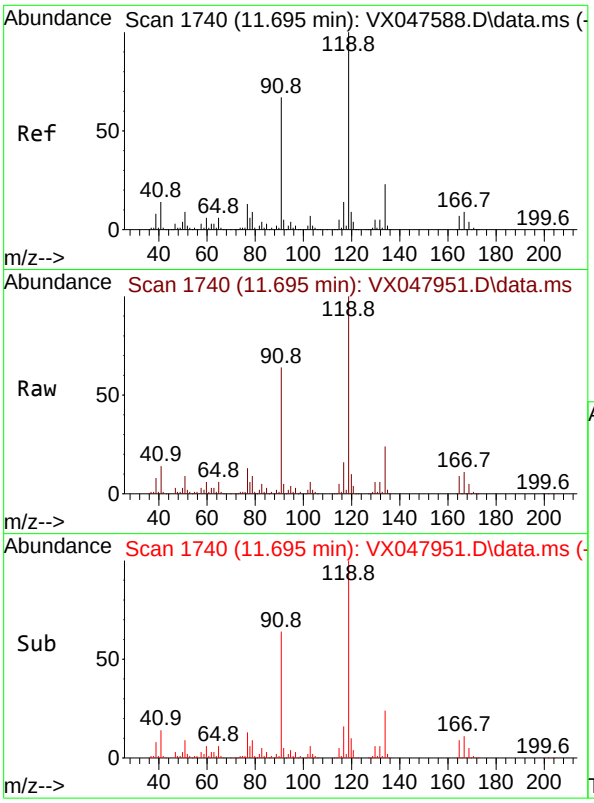


#82
4-Chlorotoluene
Concen: 49.470 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 91 Resp: 334477

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



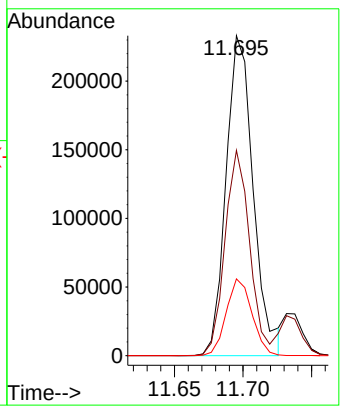


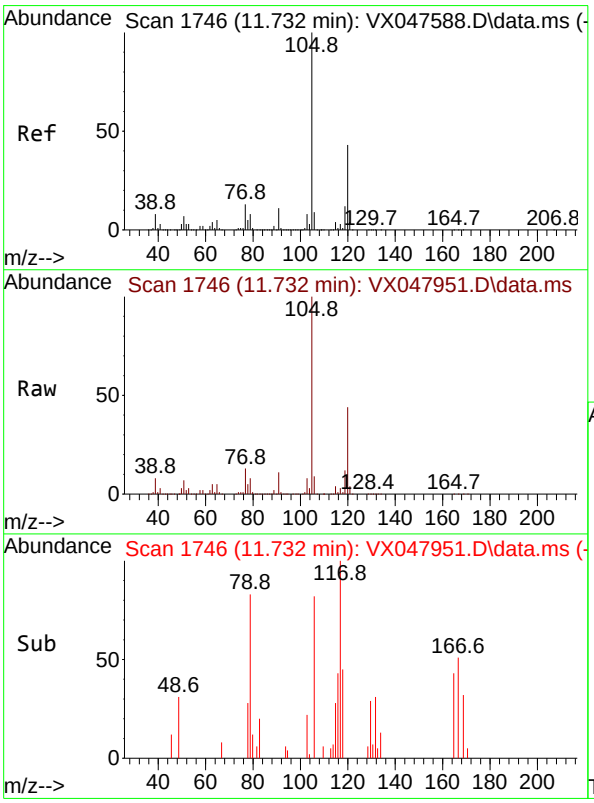
#83
tert-Butylbenzene
Concen: 48.394 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 321817

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.8	11.0	33.0

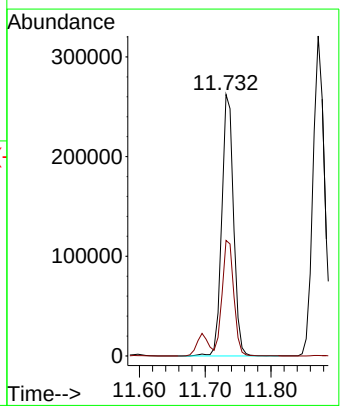


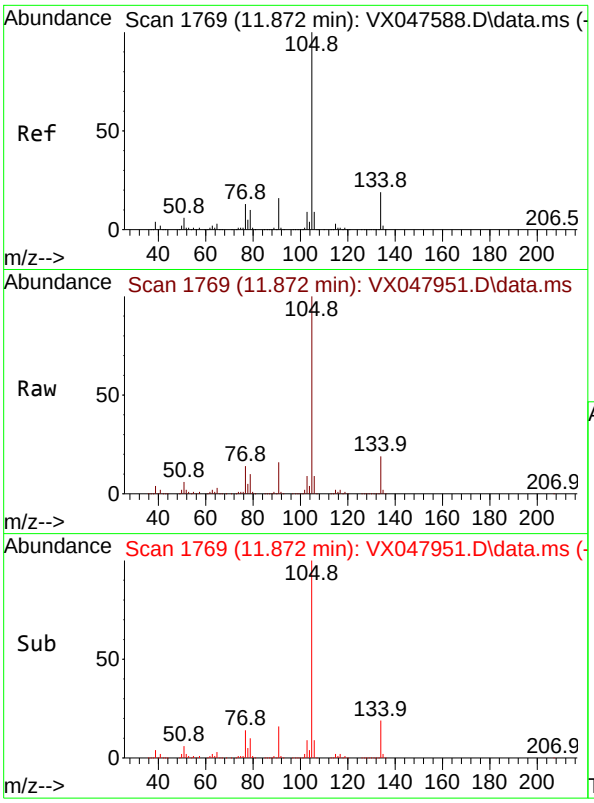


#84
1,2,4-Trimethylbenzene
Concen: 49.580 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:105 Resp: 326533

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



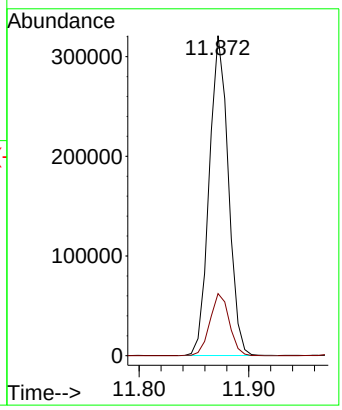


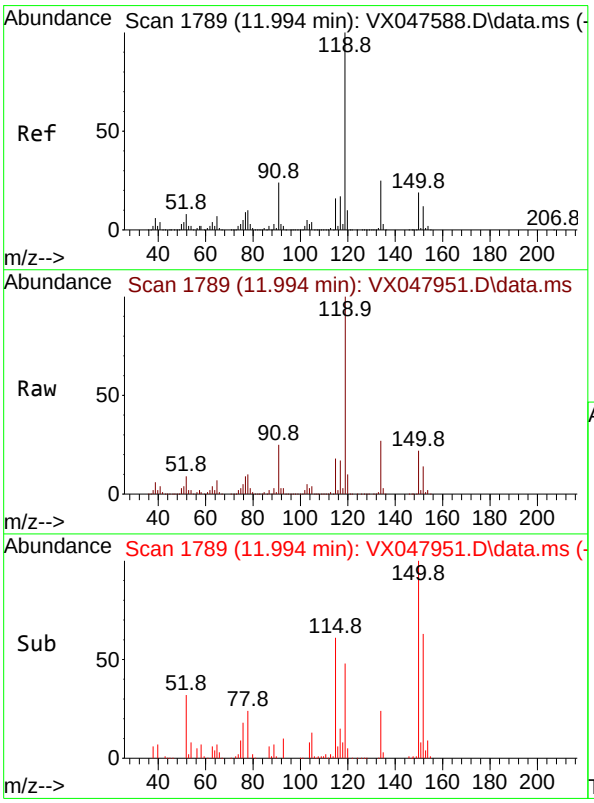
#85
sec-Butylbenzene
Concen: 49.209 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 388696

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

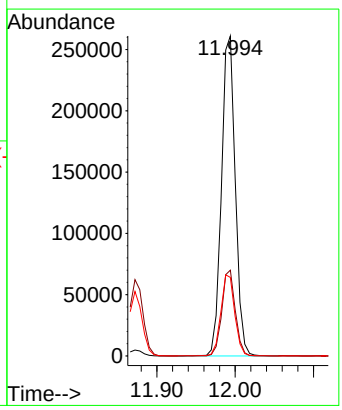


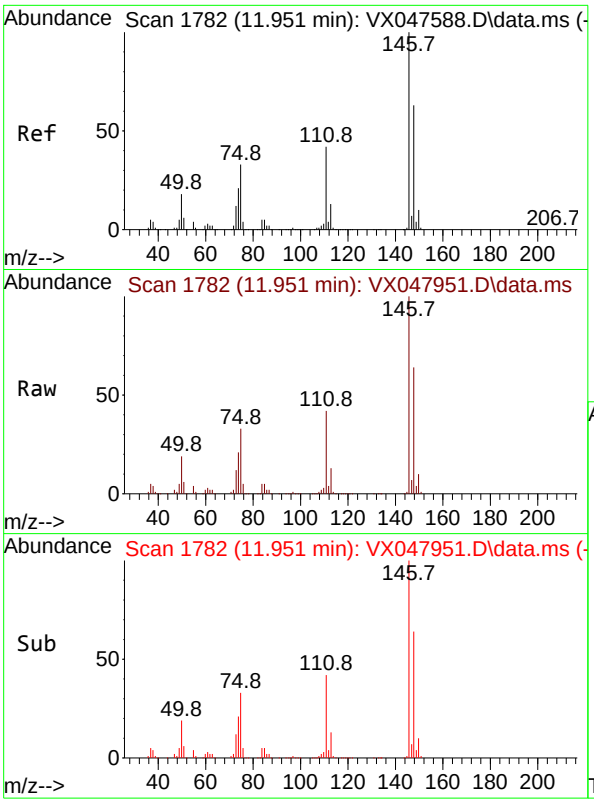


#86
p-Isopropyltoluene
Concen: 47.994 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:119 Resp: 320945

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.5	12.6	37.6



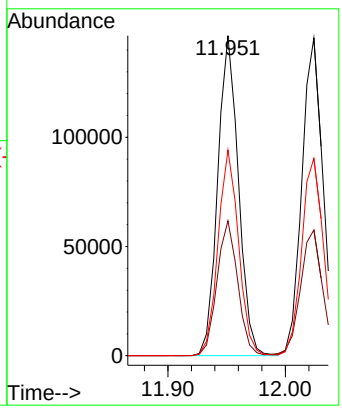


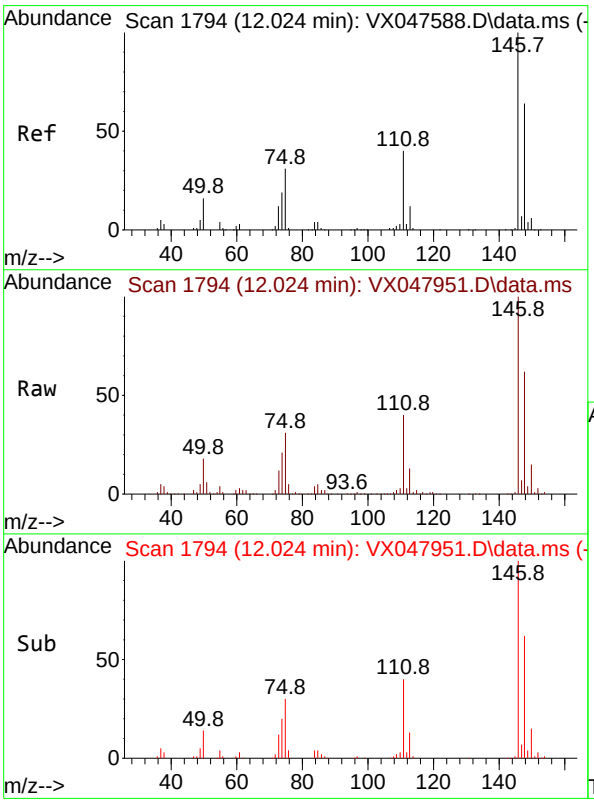
#87
1,3-Dichlorobenzene
Concen: 49.654 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 179605

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.9	32.0	96.0

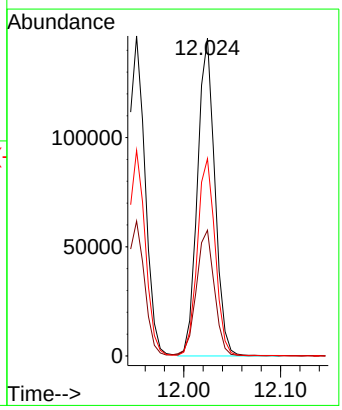


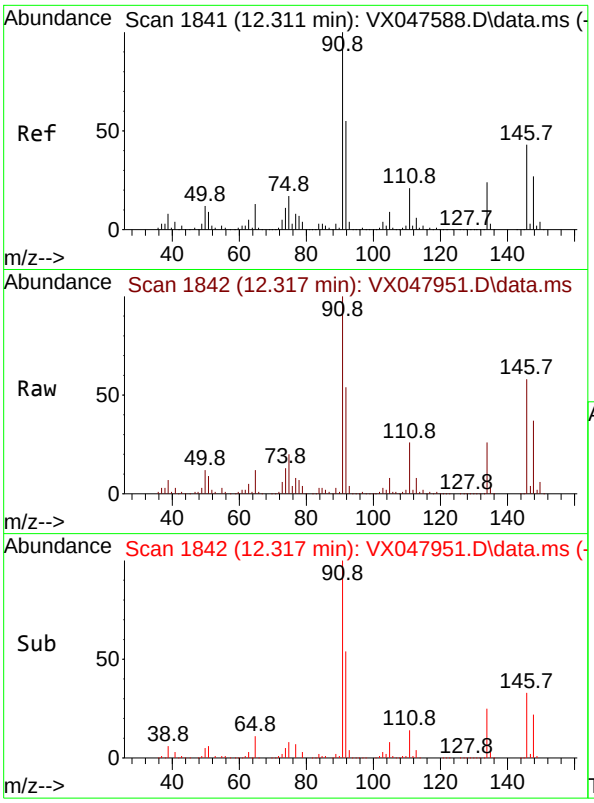


#88
1,4-Dichlorobenzene
Concen: 49.206 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:146 Resp: 182671

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	63.4	31.7	95.1



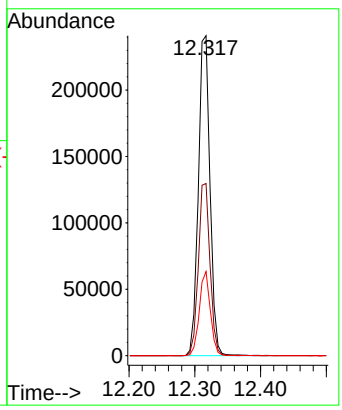


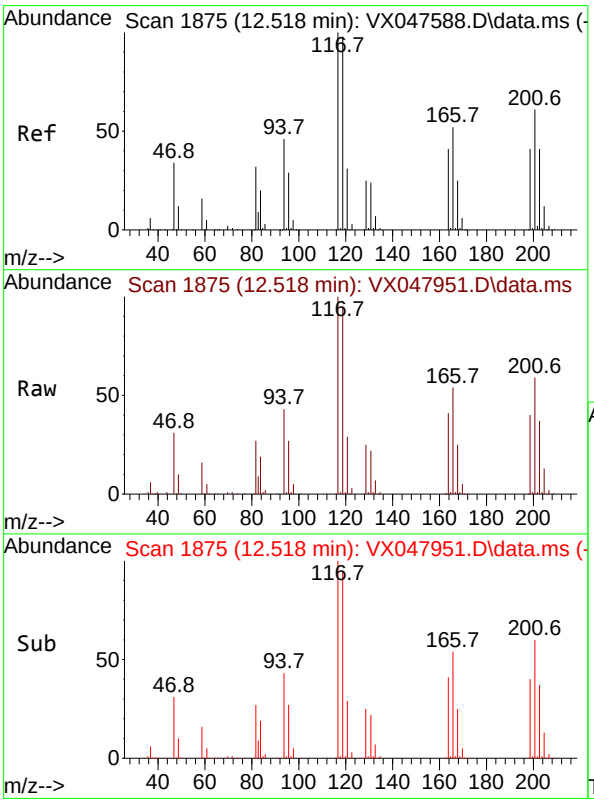
#89
n-Butylbenzene
Concen: 47.831 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 295960

Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.6	82.7
134	24.9	12.6	37.8

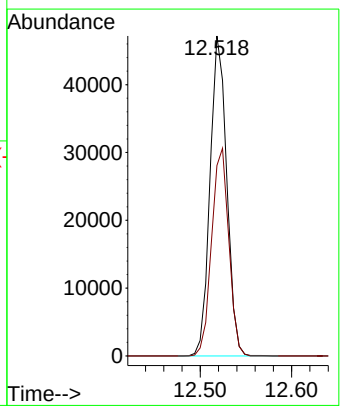


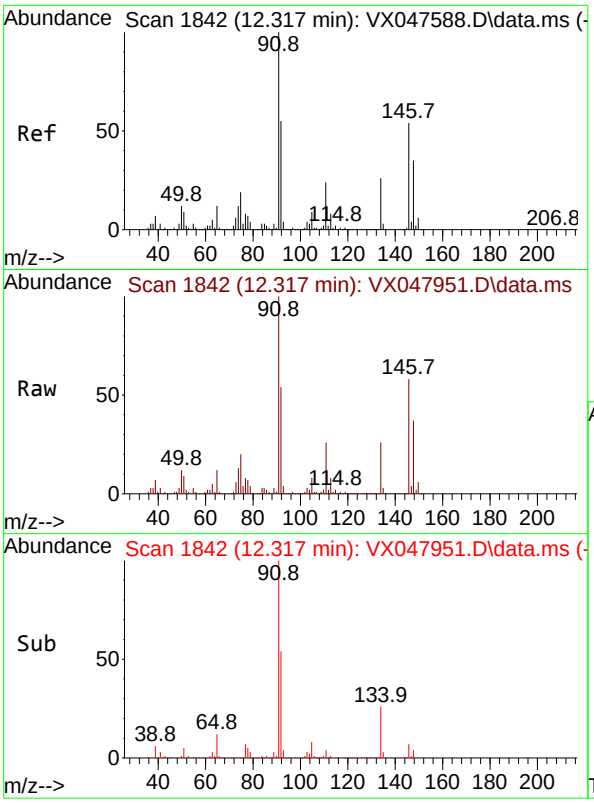


#90
Hexachloroethane
Concen: 50.871 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:117 Resp: 59726

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.2	102.5



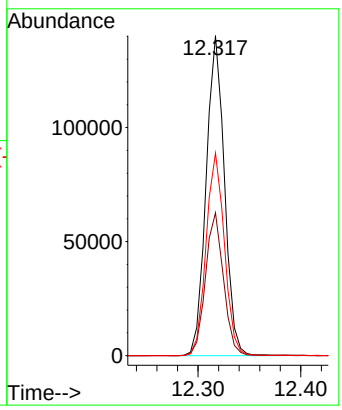


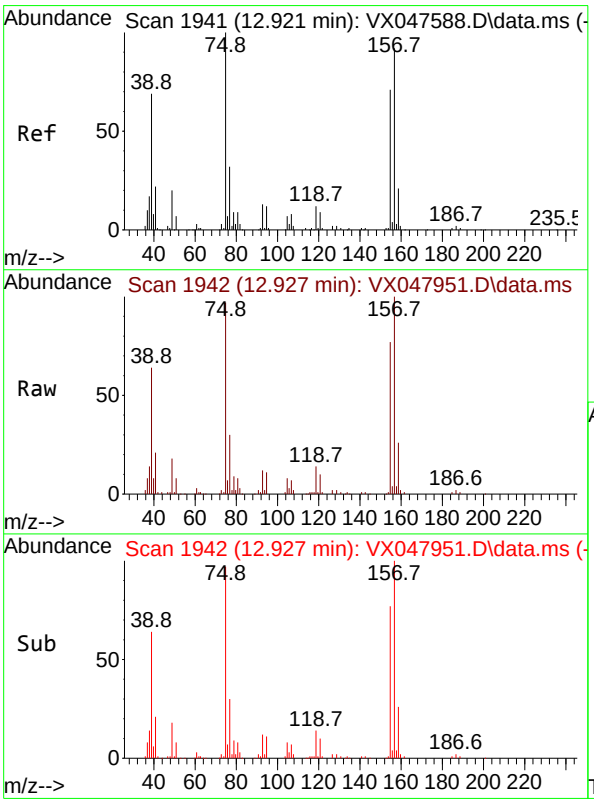
#91
1,2-Dichlorobenzene
Concen: 50.519 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 174092

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.6	31.8	95.4

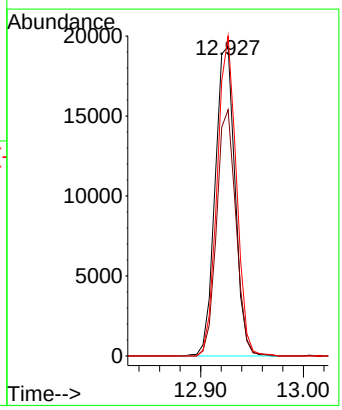


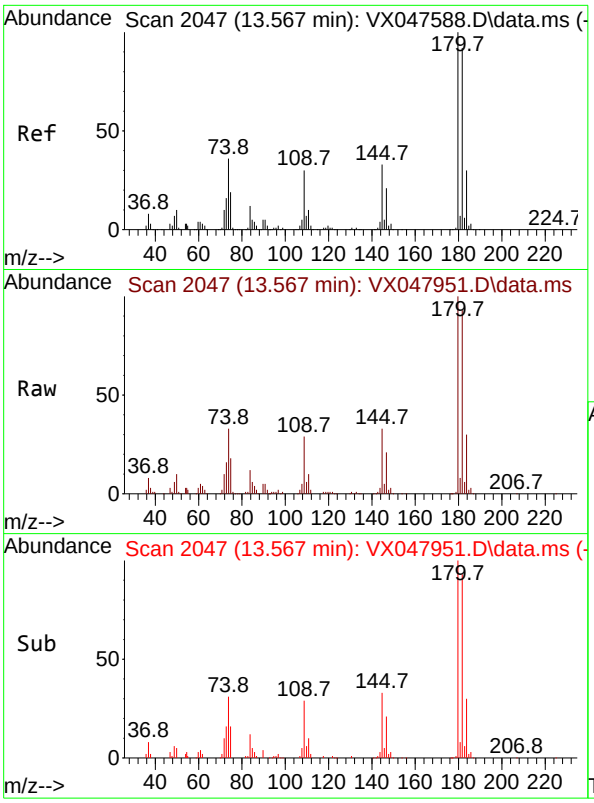


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.410 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion: 75 Resp: 25868

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	99.9	49.8	149.4



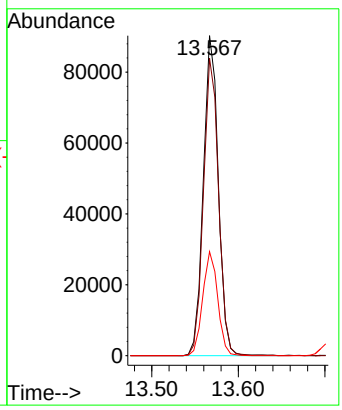


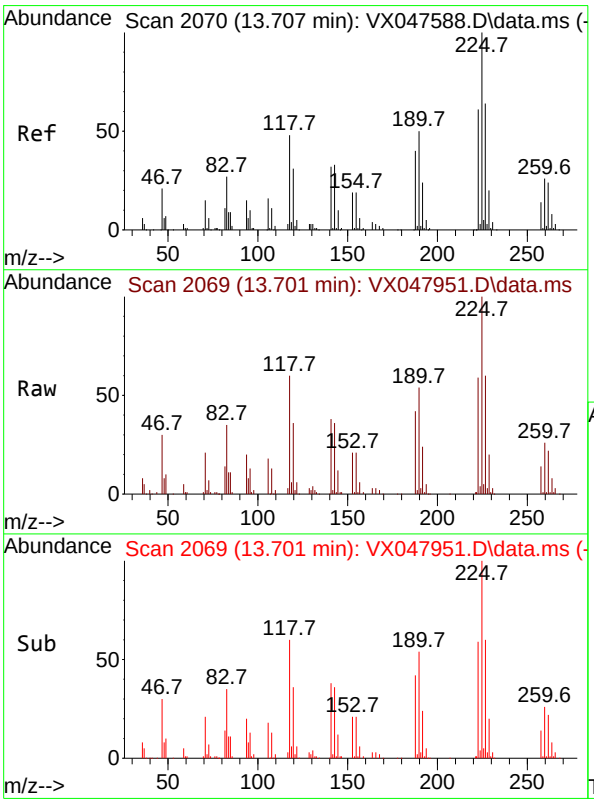
#93
1,2,4-Trichlorobenzene
Concen: 48.379 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 108351

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.6	139.8
145	32.6	16.4	49.1

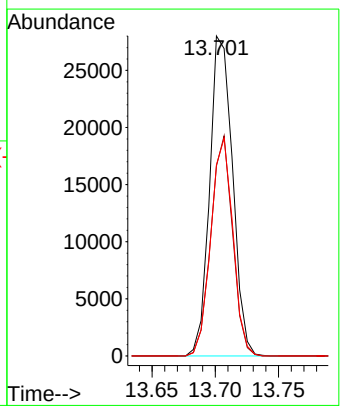


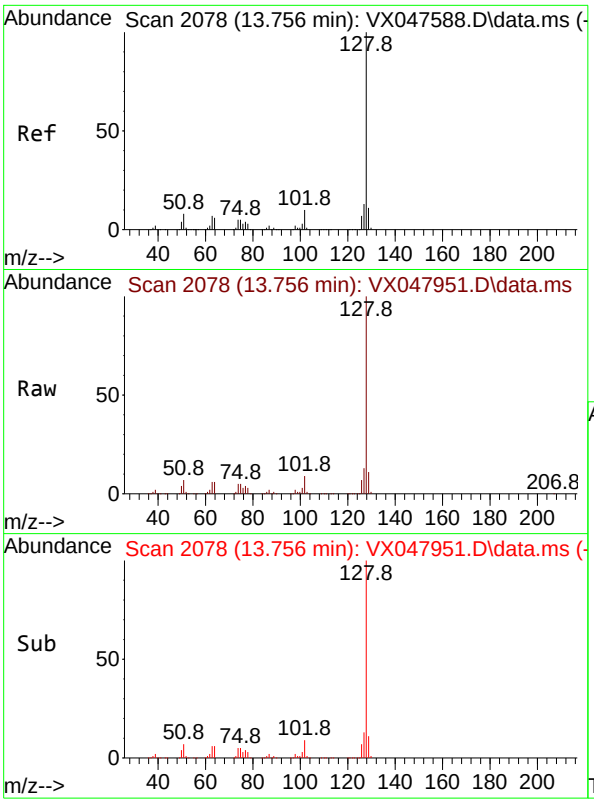


#94
Hexachlorobutadiene
Concen: 46.344 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:225 Resp: 35255

Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.7	95.1
227	65.7	32.0	96.0



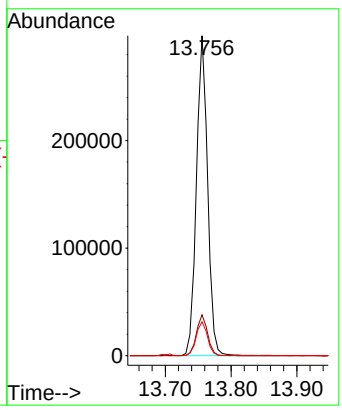


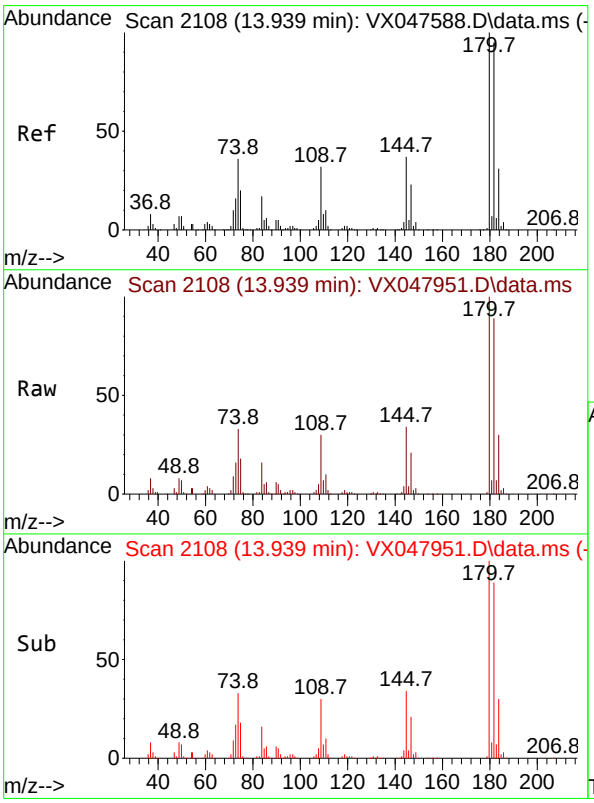
#95
Naphthalene
Concen: 51.534 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 351451

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.8	13.2

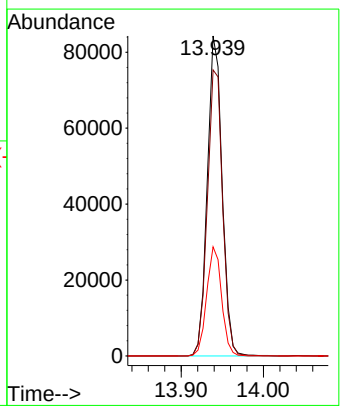




#96
1,2,3-Trichlorobenzene
Concen: 50.606 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047951.D
Acq: 01 Oct 2025 18:59

Tgt Ion:180 Resp: 105429

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.6	142.8
145	34.3	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	131937	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	209083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105158	50.073	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.367	113	82541	54.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.980%			
50) Toluene-d8	8.628	98	274356	52.341	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.061	95	105643	53.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	76082	55.688	ug/l	95
3) Chloromethane	1.301	50	86998	48.451	ug/l	99
4) Vinyl Chloride	1.380	62	90039	51.226	ug/l	99
5) Bromomethane	1.611	94	61619	55.285	ug/l	94
6) Chloroethane	1.691	64	59369	50.536	ug/l	97
7) Trichlorofluoromethane	1.892	101	140608	53.876	ug/l	98
8) Diethyl Ether	2.136	74	55863	52.326	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84145	55.140	ug/l	99
10) Methyl Iodide	2.453	142	108465	45.574	ug/l	98
11) Tert butyl alcohol	2.940	59	49807	212.945	ug/l	99
12) 1,1-Dichloroethene	2.319	96	80415	51.300	ug/l	97
13) Acrolein	2.233	56	54512	252.910	ug/l	97
14) Allyl chloride	2.666	41	155815	48.170	ug/l	99
15) Acrylonitrile	3.050	53	220195	254.160	ug/l	100
16) Acetone	2.373	43	212026	232.196	ug/l	99
17) Carbon Disulfide	2.514	76	199354	46.455	ug/l	98
18) Methyl Acetate	2.697	43	110641	54.445	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	292796	51.168	ug/l	100
20) Methylene Chloride	2.788	84	100491	51.991	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86300	51.136	ug/l	99
22) Diisopropyl ether	3.745	45	337219	53.792	ug/l	89
23) Vinyl Acetate	3.709	43	1294922	258.092	ug/l	99
24) 1,1-Dichloroethane	3.599	63	174979	52.515	ug/l	100
25) 2-Butanone	4.532	43	269365	236.489	ug/l	99
26) 2,2-Dichloropropane	4.458	77	141274	51.006	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	109115	52.794	ug/l	98
28) Bromochloromethane	4.879	49	78038	53.648	ug/l	99
29) Tetrahydrofuran	4.977	42	161165	235.207	ug/l	99
30) Chloroform	5.074	83	182731	54.270	ug/l	96
31) Cyclohexane	5.452	56	135050	48.665	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	150394	52.659	ug/l	99
36) 1,1-Dichloropropene	5.678	75	112584	50.861	ug/l	99
37) Ethyl Acetate	4.696	43	114770	48.424	ug/l	98
38) Carbon Tetrachloride	5.660	117	127673	53.085	ug/l	94
39) Methylcyclohexane	7.360	83	129087	51.374	ug/l	98
40) Benzene	6.019	78	357908	53.235	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	65648	53.653	ug/l		97
42) 1,2-Dichloroethane	6.068	62	137806	53.871	ug/l		99
43) Isopropyl Acetate	6.318	43	191848	49.355	ug/l		99
44) Trichloroethene	7.104	130	86853	53.434	ug/l		97
45) 1,2-Dichloropropane	7.409	63	96150	55.851	ug/l		97
46) Dibromomethane	7.562	93	68555	54.722	ug/l		99
47) Bromodichloromethane	7.805	83	148015	57.255	ug/l		100
48) Methyl methacrylate	7.677	41	97016	50.106	ug/l		99
49) 1,4-Dioxane	7.641	88	21578	1102.746	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	542948	251.926	ug/l		99
52) Toluene	8.702	92	223395	53.932	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	148348	56.258	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	157563	55.904	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89860	56.261	ug/l		98
56) Ethyl methacrylate	9.098	69	133902	53.383	ug/l		98
57) 1,3-Dichloropropane	9.293	76	154753	56.403	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	353607	291.841	ug/l		100
59) 2-Hexanone	9.415	43	377604	243.952	ug/l		99
60) Dibromochloromethane	9.506	129	107882	58.621	ug/l		99
61) 1,2-Dibromoethane	9.592	107	92132	56.633	ug/l		98
64) Tetrachloroethene	9.256	164	68331	50.133	ug/l		97
65) Chlorobenzene	10.061	112	252022	53.058	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	91236	55.663	ug/l		100
67) Ethyl Benzene	10.177	91	425670	51.938	ug/l		100
68) m/p-Xylenes	10.281	106	322983	105.878	ug/l		98
69) o-Xylene	10.622	106	155012	52.537	ug/l		100
70) Styrene	10.640	104	275937	53.373	ug/l		98
71) Bromoform	10.781	173	65700	53.681	ug/l	#	99
73) Isopropylbenzene	10.945	105	401376	50.056	ug/l		99
74) N-amyl acetate	10.823	43	166829	45.625	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	120891	49.831	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	133824	62.668	ug/l		91
77) Bromobenzene	11.183	156	100047	50.659	ug/l		97
78) n-propylbenzene	11.287	91	475224	50.135	ug/l		99
79) 2-Chlorotoluene	11.348	91	288770	49.740	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	332856	50.525	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	38324	45.767	ug/l		98
82) 4-Chlorotoluene	11.433	91	344397	50.228	ug/l		99
83) tert-Butylbenzene	11.695	119	341046	50.571	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	336380	50.363	ug/l		100
85) sec-Butylbenzene	11.872	105	408921	51.049	ug/l		100
86) p-Isopropyltoluene	11.988	119	344044	50.732	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	187193	51.031	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	191722	50.924	ug/l		99
89) n-Butylbenzene	12.311	91	321357	51.212	ug/l		98
90) Hexachloroethane	12.518	117	63473	53.310	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179594	51.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22273	45.347	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	109403	48.169	ug/l		96
94) Hexachlorobutadiene	13.707	225	41607	53.932	ug/l		96
95) Naphthalene	13.756	128	325860	47.116	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	104550	49.485	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

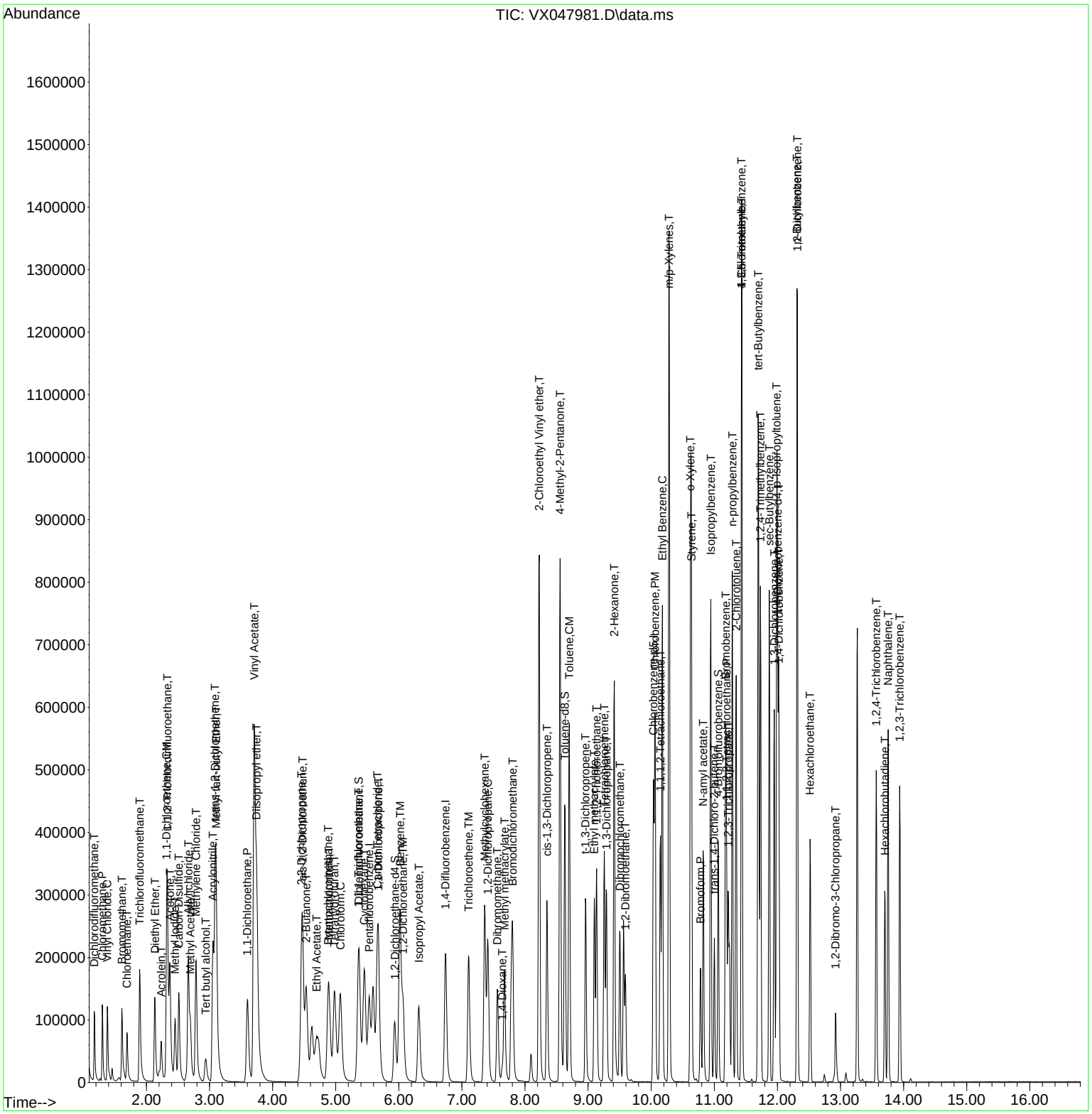
(#) = qualifier out of range (m) = manual integration (+) = signals summed

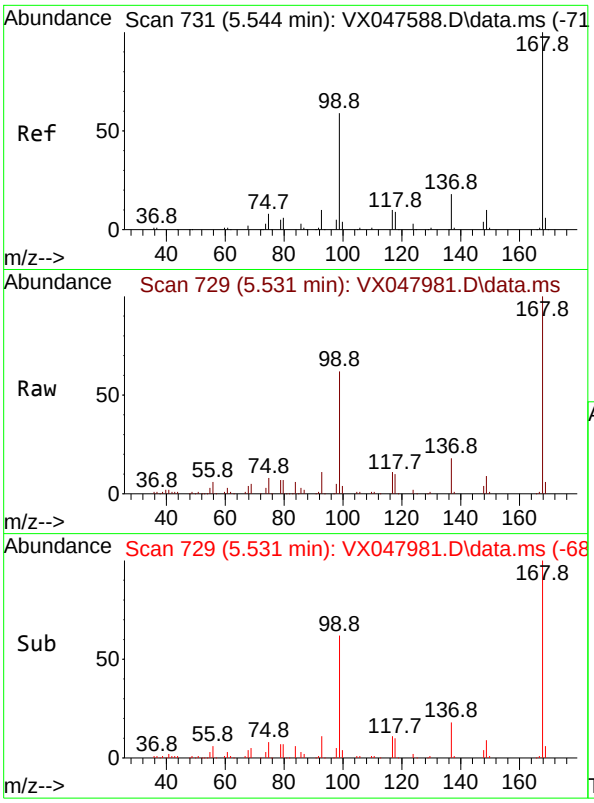
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



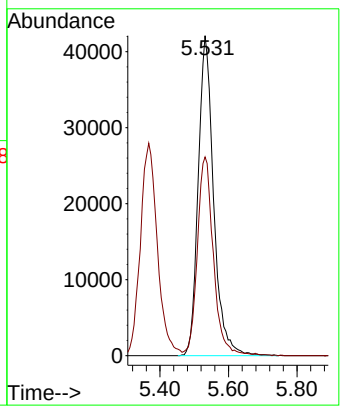


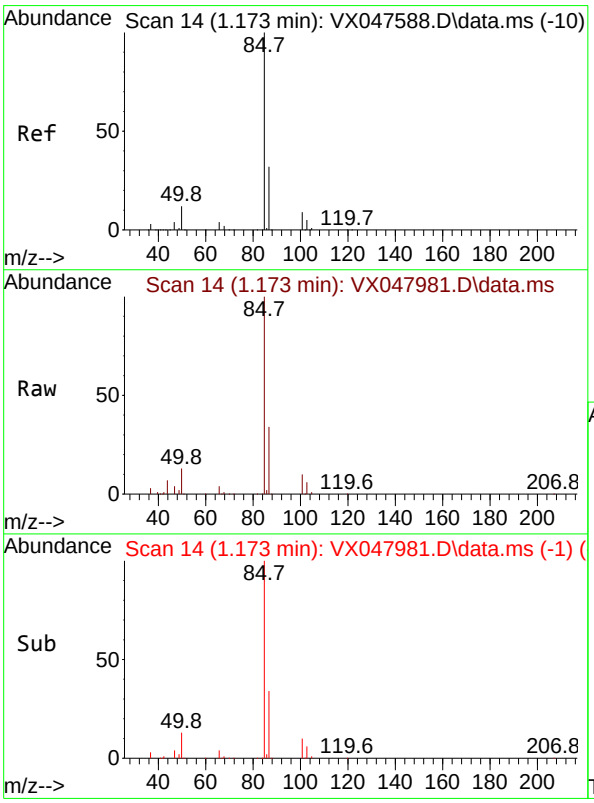
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 131937

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.8	73.2

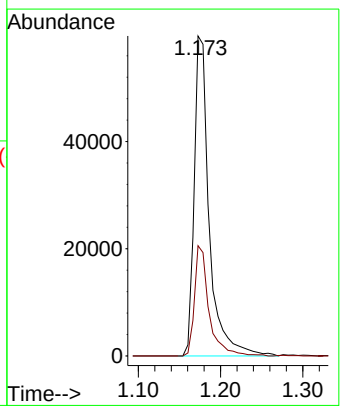


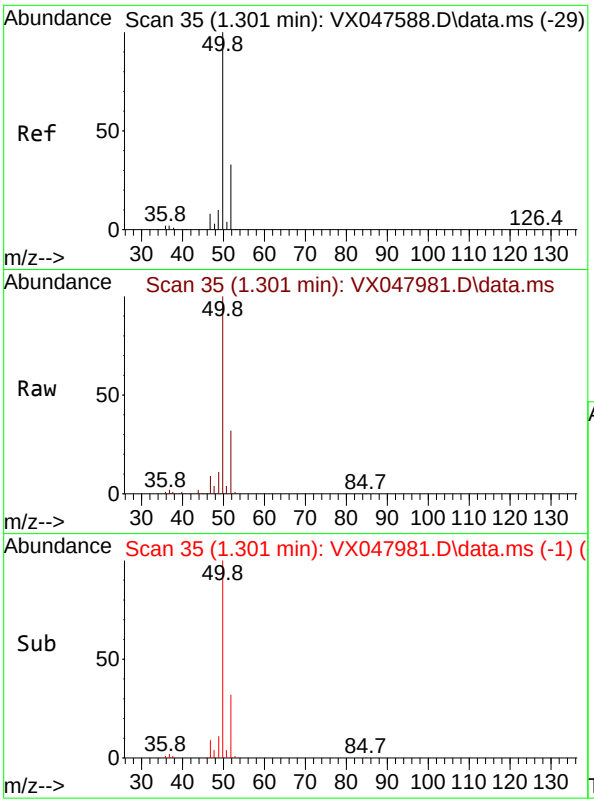


#2
Dichlorodifluoromethane
Concen: 55.688 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 85 Resp: 76082

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.8	47.3



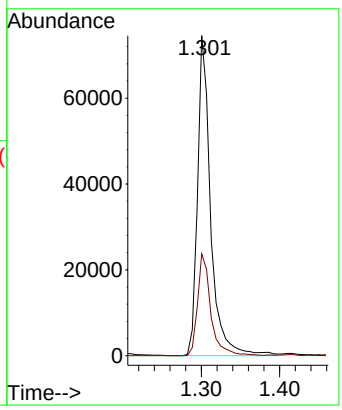


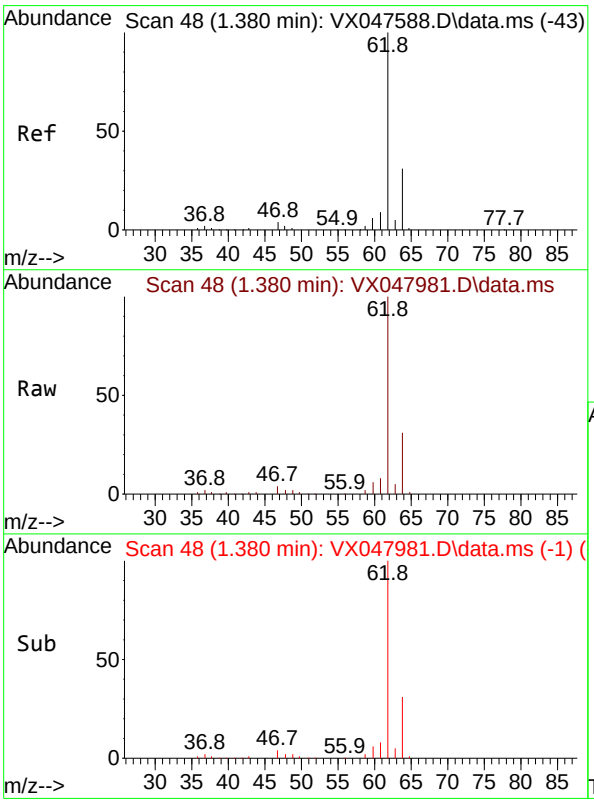
#3
Chloromethane
Concen: 48.451 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 86998

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1

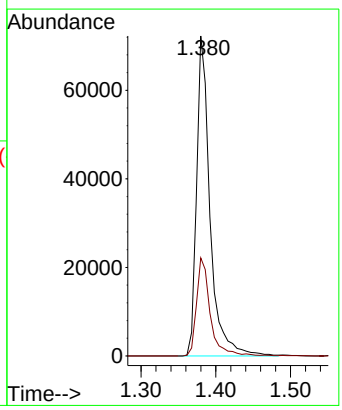


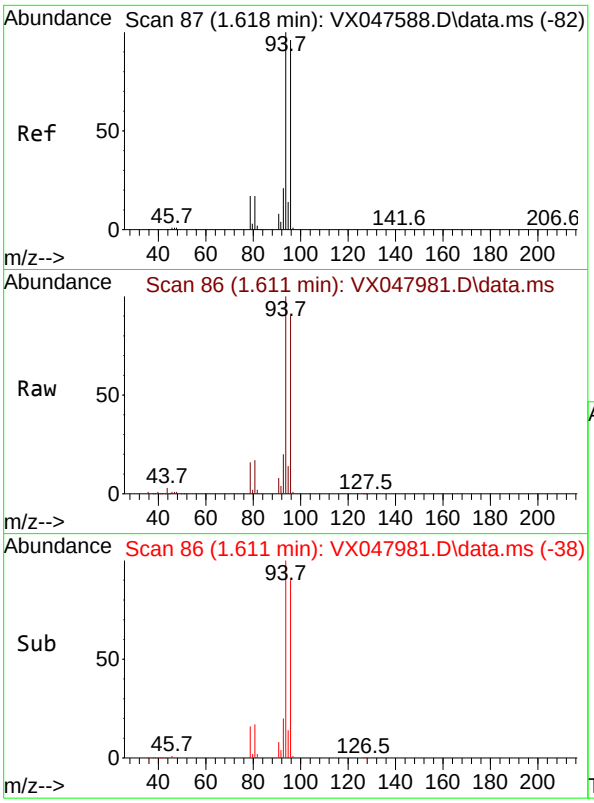


#4
Vinyl Chloride
Concen: 51.226 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 90039

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3



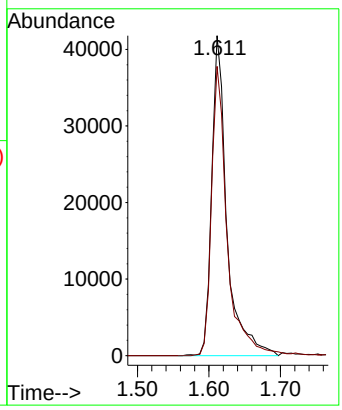


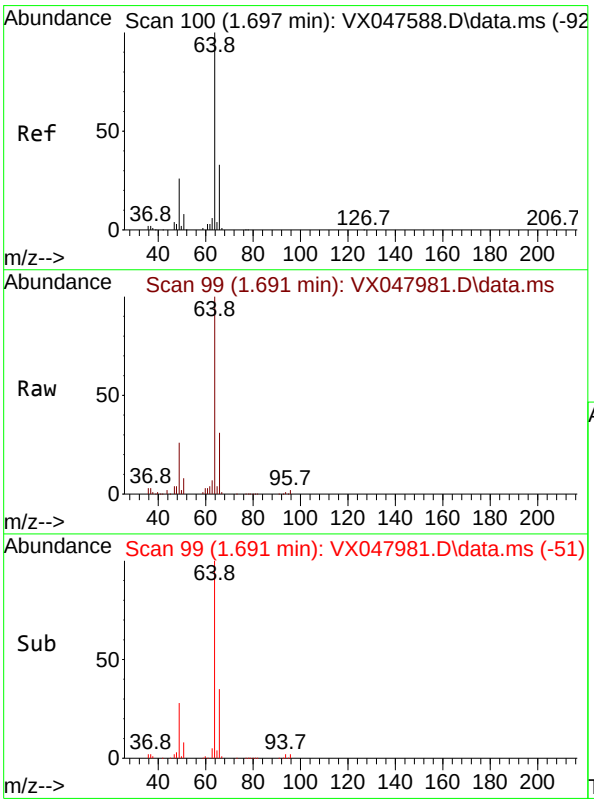
#5
Bromomethane
Concen: 55.285 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 61619

Ion	Ratio	Lower	Upper
94	100		
96	90.4	76.6	115.0

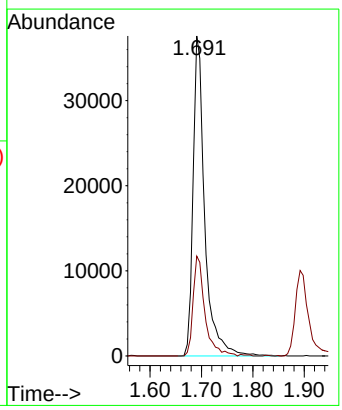


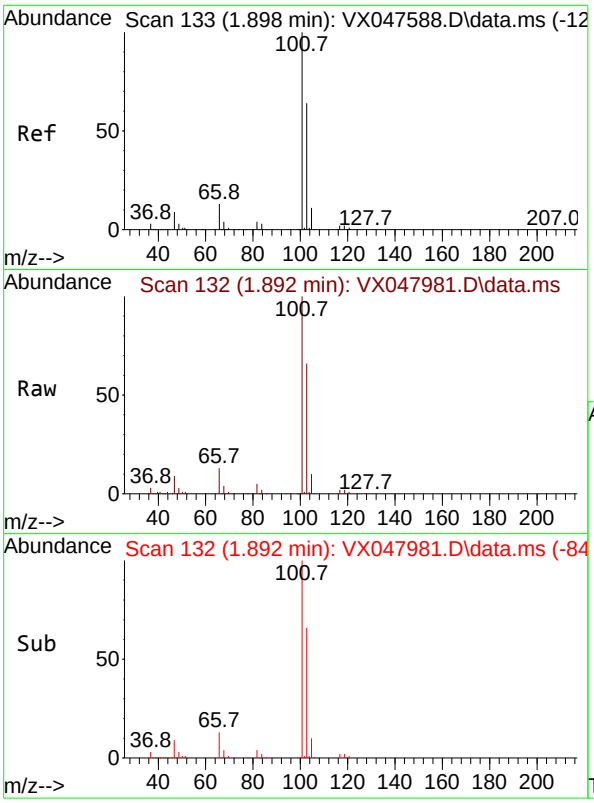


#6
Chloroethane
Concen: 50.536 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 64 Resp: 59369

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.1	39.1



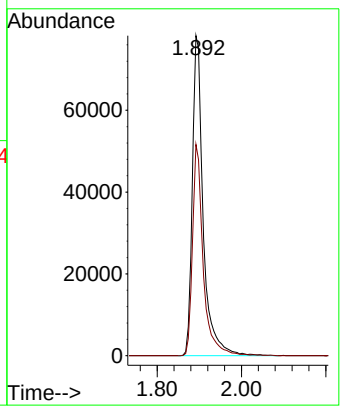


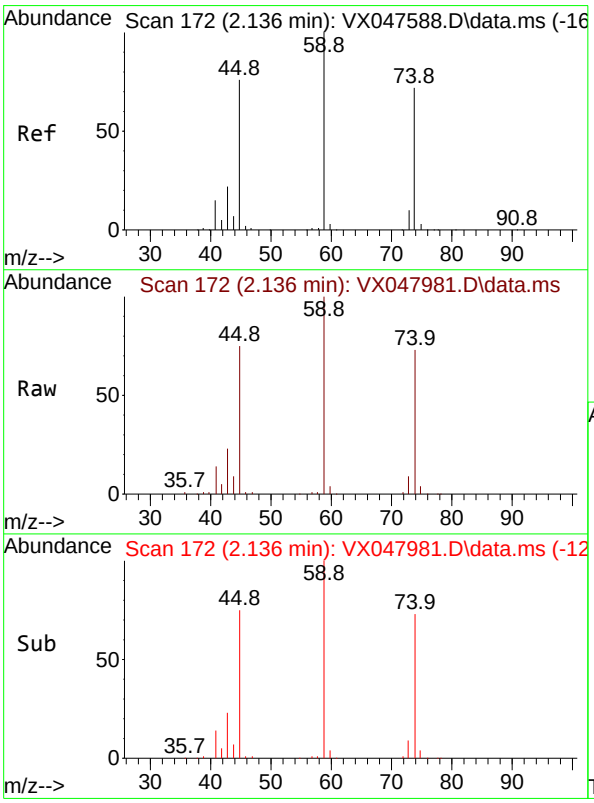
#7
Trichlorofluoromethane
Concen: 53.876 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 140608

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.4	77.2

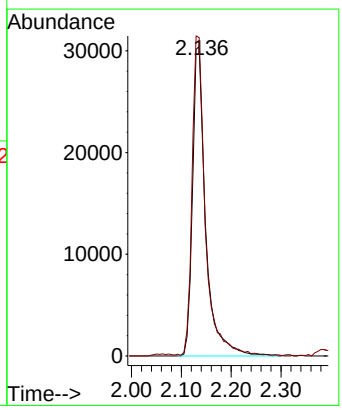


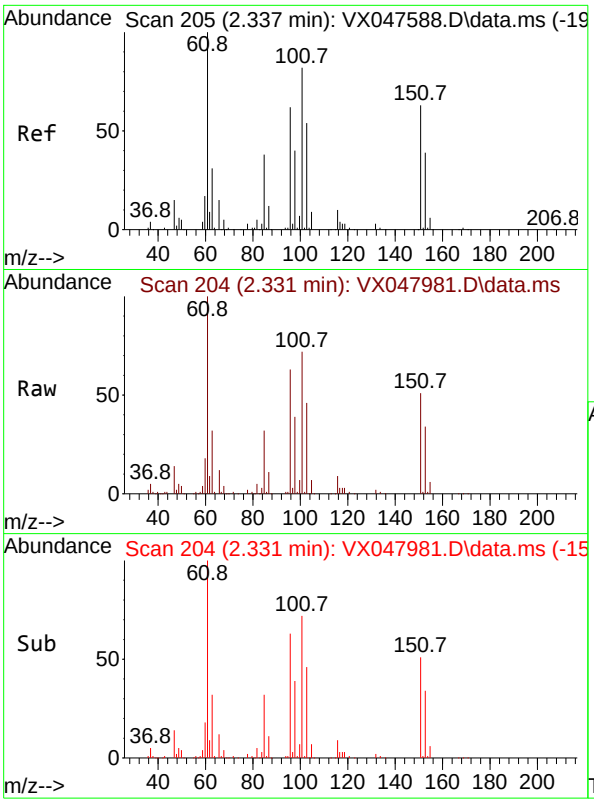


#8
Diethyl Ether
Concen: 52.326 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 74 Resp: 55863

Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.3	156.8



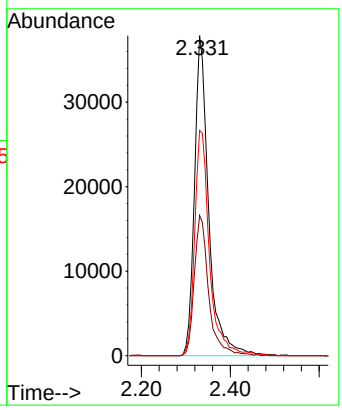


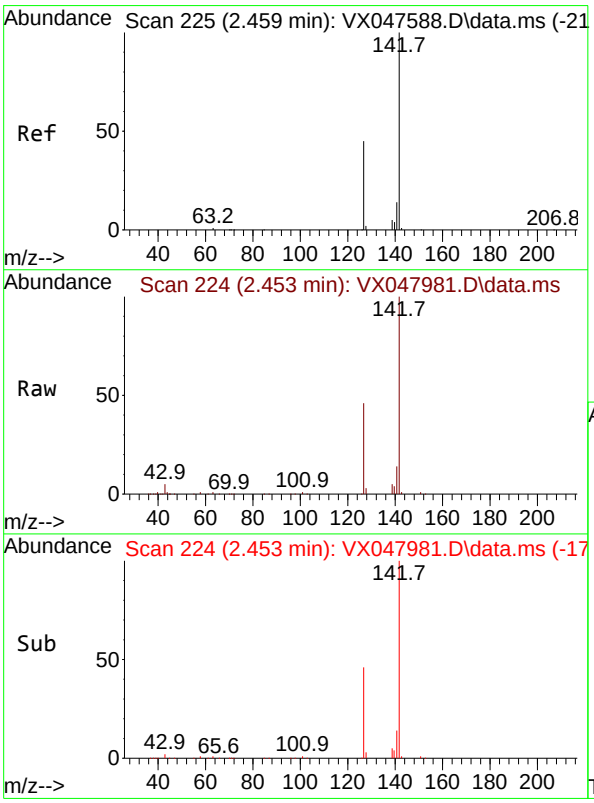
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.140 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 84145

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	73.4	59.4	89.0

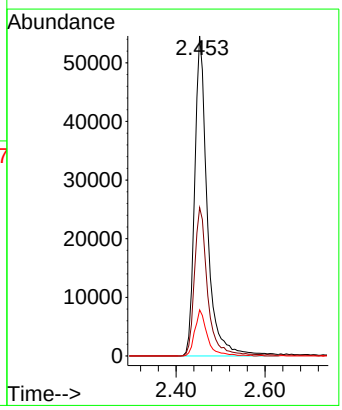


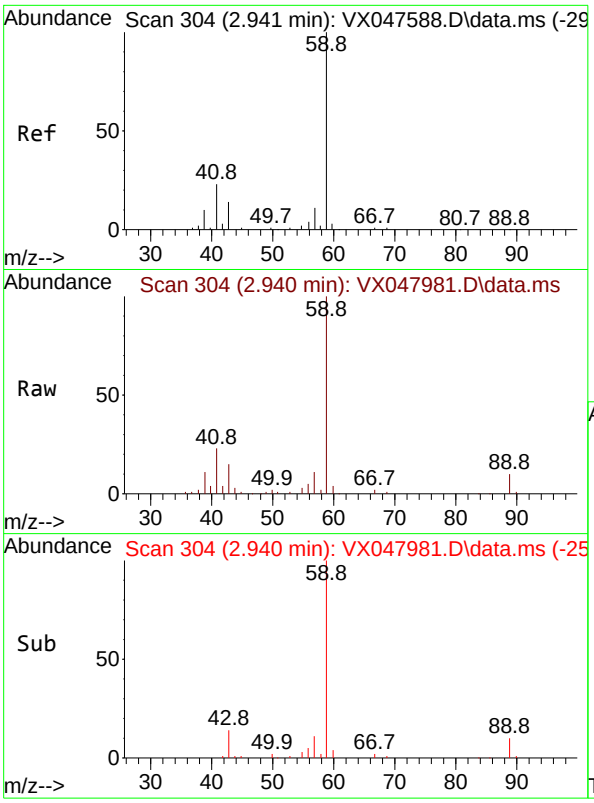


#10
Methyl Iodide
Concen: 45.574 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:142 Resp: 108465

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	14.0	11.4	17.0



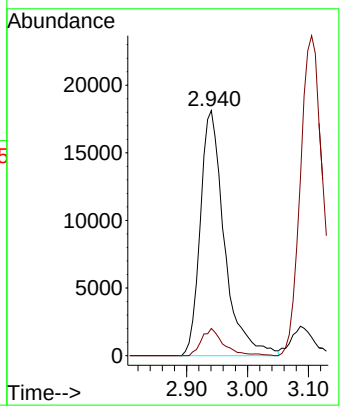


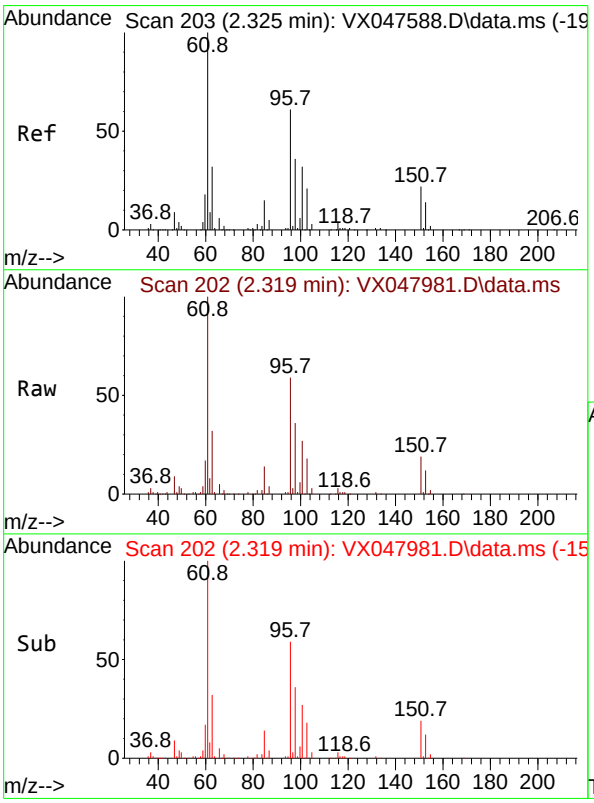
#11
Tert butyl alcohol
Concen: 212.945 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 49807

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

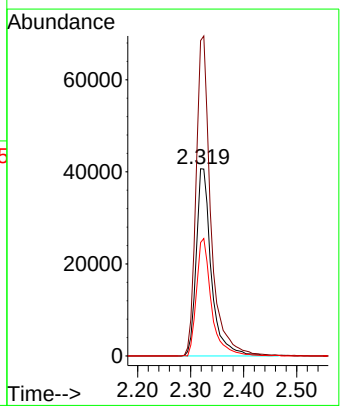


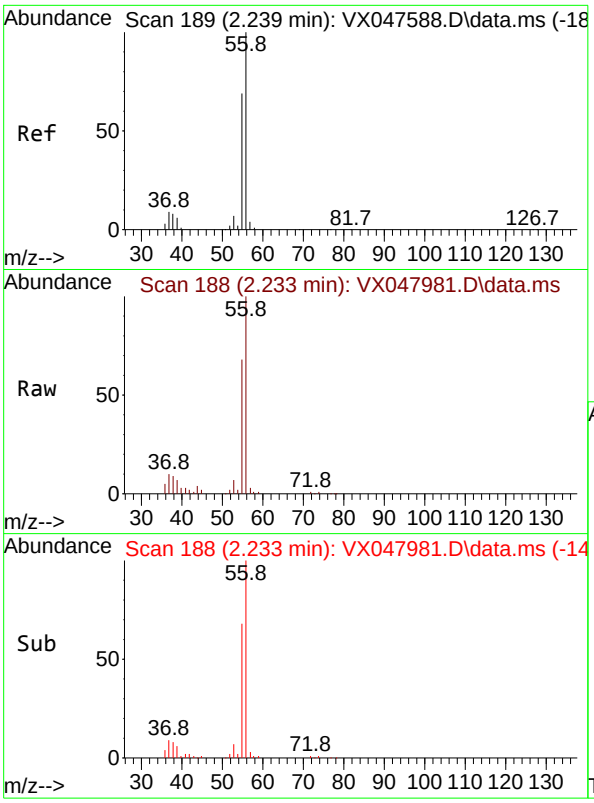


#12
1,1-Dichloroethene
Concen: 51.300 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 80415

Ion	Ratio	Lower	Upper
96	100		
61	168.5	131.0	196.6
98	60.6	47.7	71.5



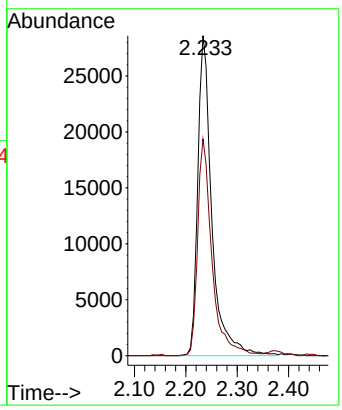


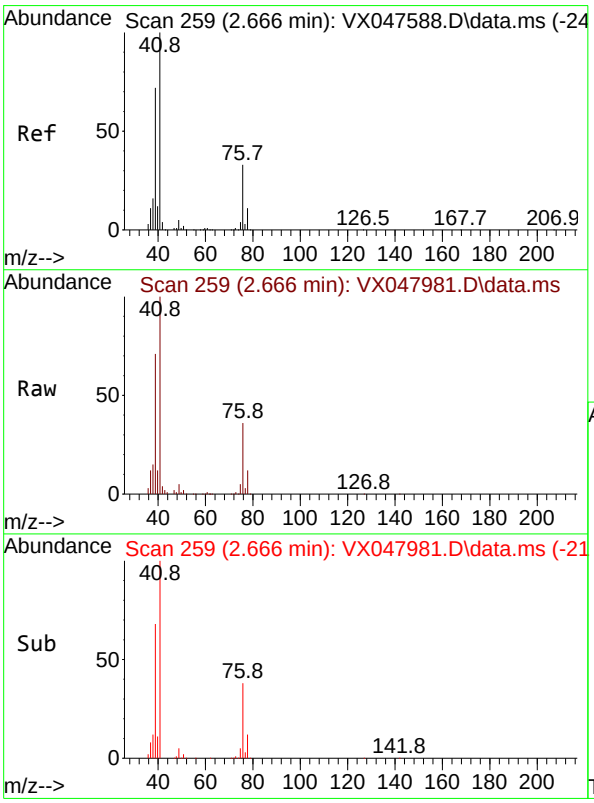
#13
Acrolein
Concen: 252.910 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 54512

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.2	85.8

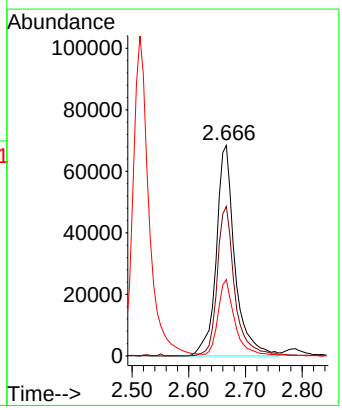


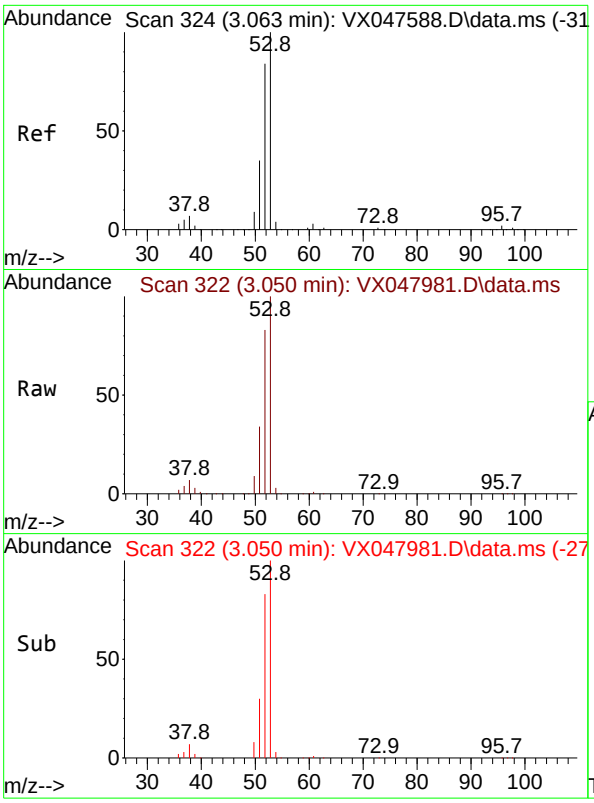


#14
Allyl chloride
Concen: 48.170 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 155815

Ion	Ratio	Lower	Upper
41	100		
39	67.5	54.7	82.1
76	32.9	25.7	38.5



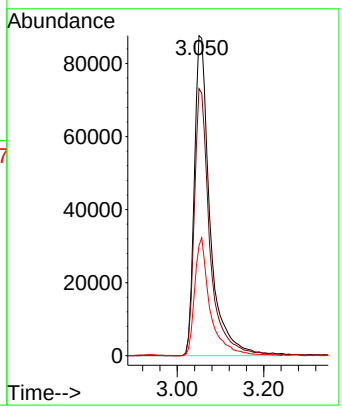


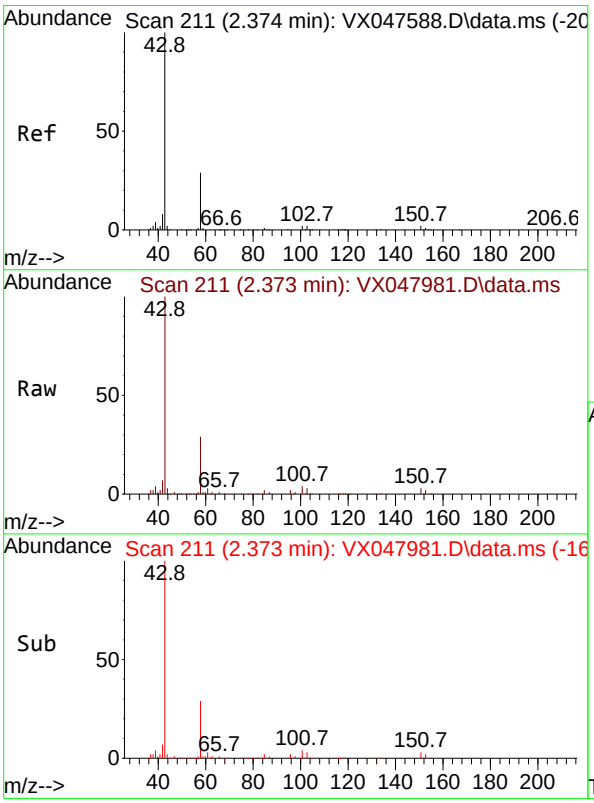
#15
Acrylonitrile
Concen: 254.160 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 220195

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	29.5	44.3

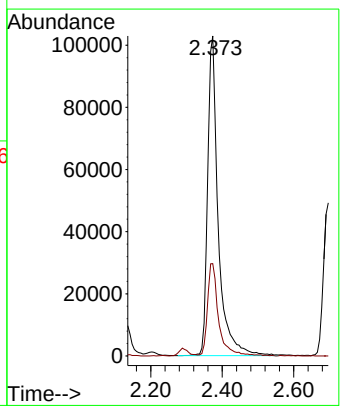


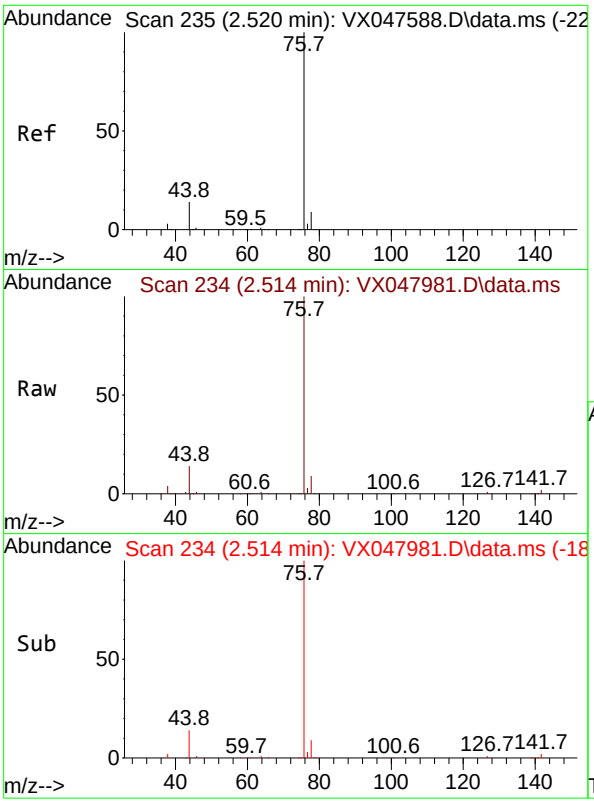


#16
Acetone
Concen: 232.196 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 212026

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.0



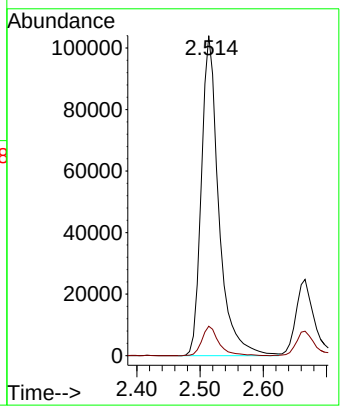


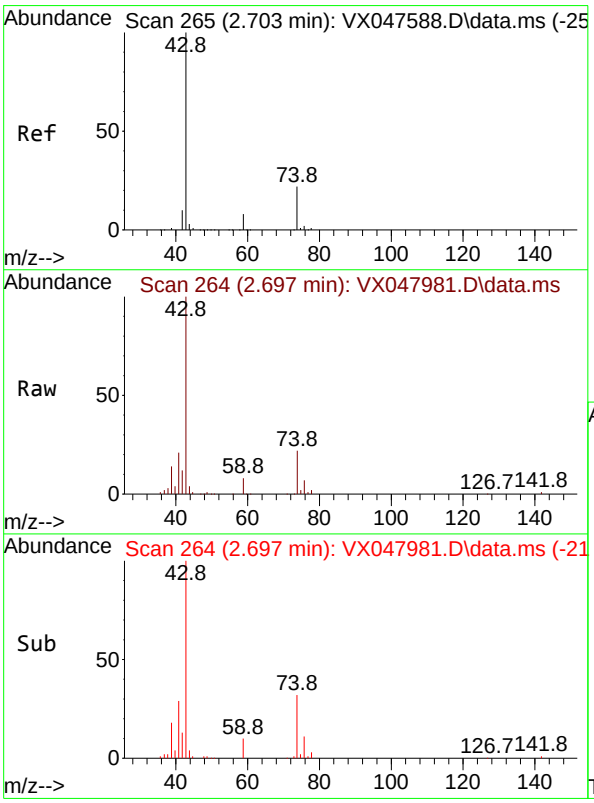
#17
Carbon Disulfide
Concen: 46.455 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 199354

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2

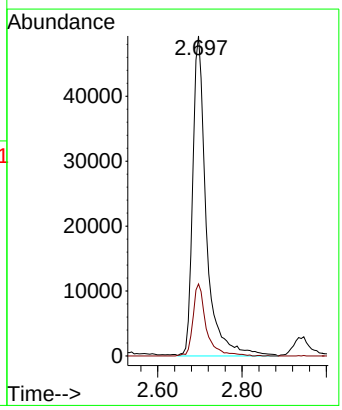


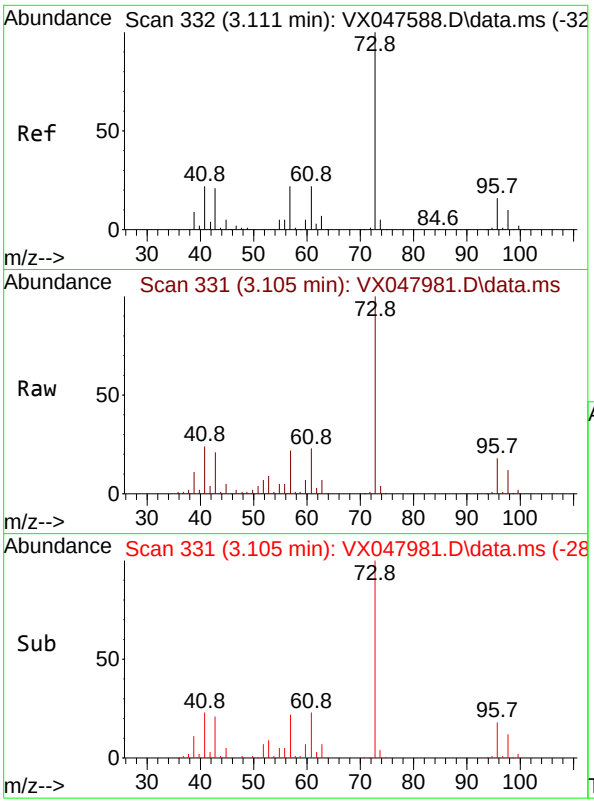


#18
Methyl Acetate
Concen: 54.445 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 110641

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



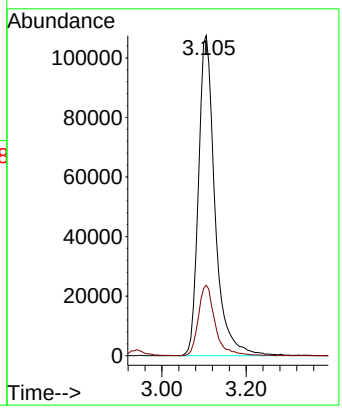


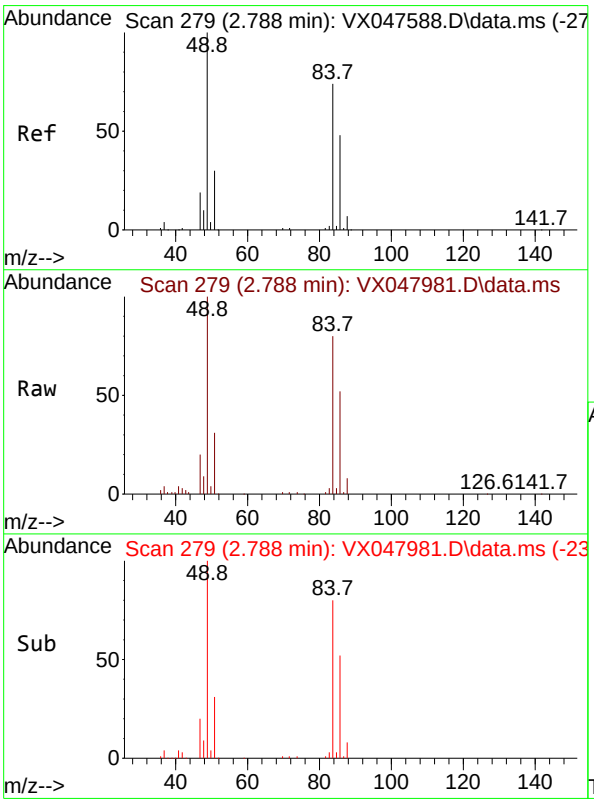
#19
Methyl tert-butyl Ether
Concen: 51.168 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 292796

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

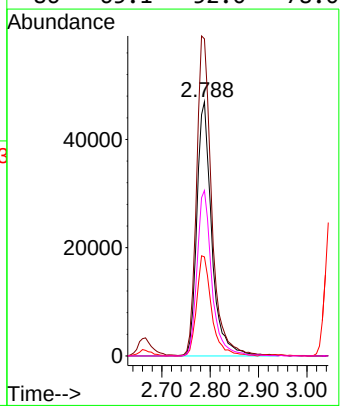


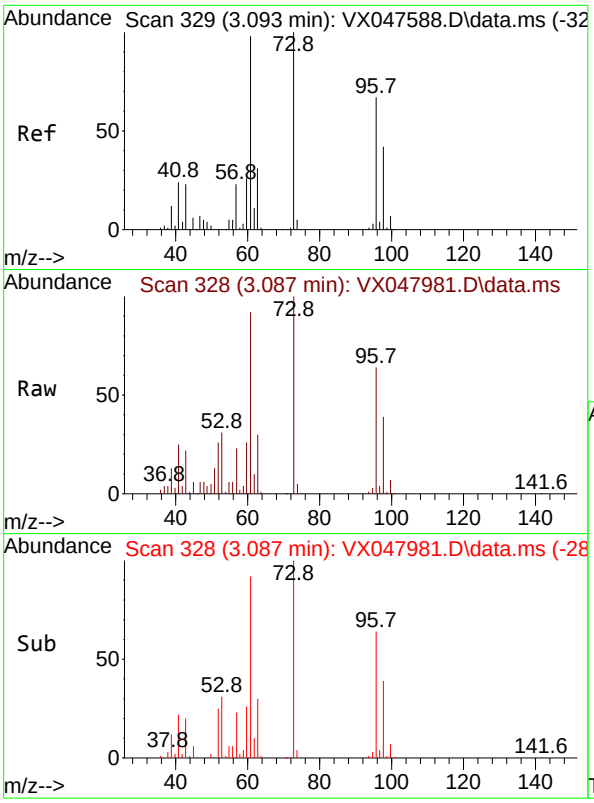


#20
Methylene Chloride
Concen: 51.991 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 84 Resp: 100491

Ion	Ratio	Lower	Upper
84	100		
49	124.6	108.6	162.8
51	39.0	32.6	48.8
86	65.1	52.0	78.0



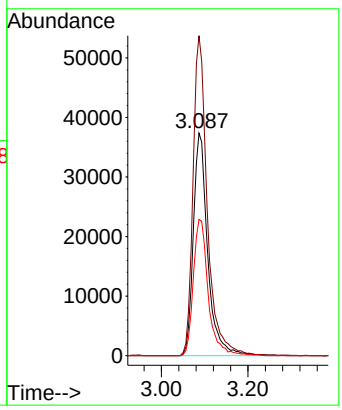


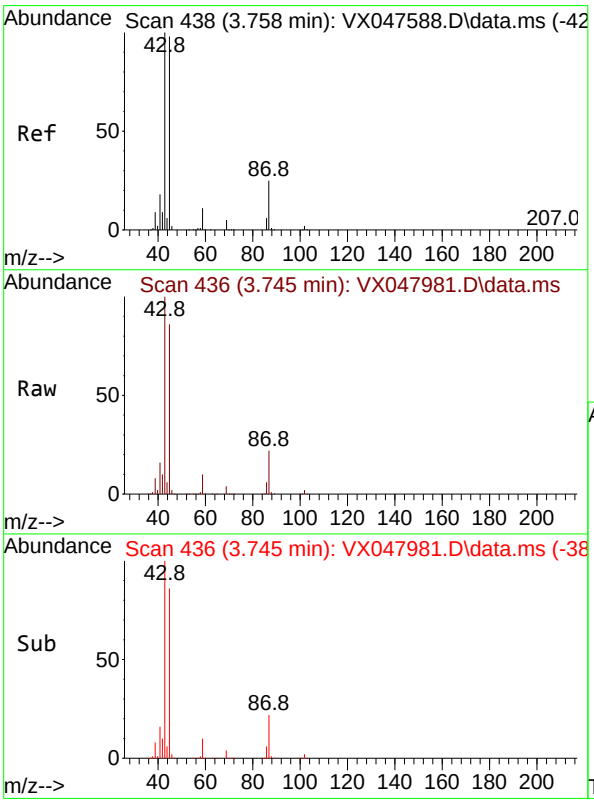
#21
trans-1,2-Dichloroethene
Concen: 51.136 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 86300

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.2	174.2
98	61.3	49.3	73.9

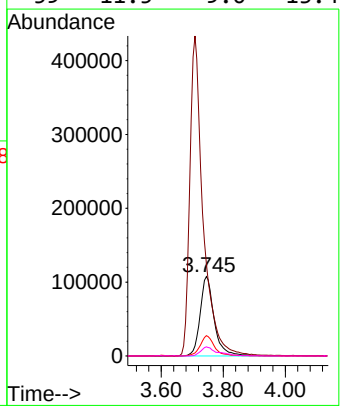


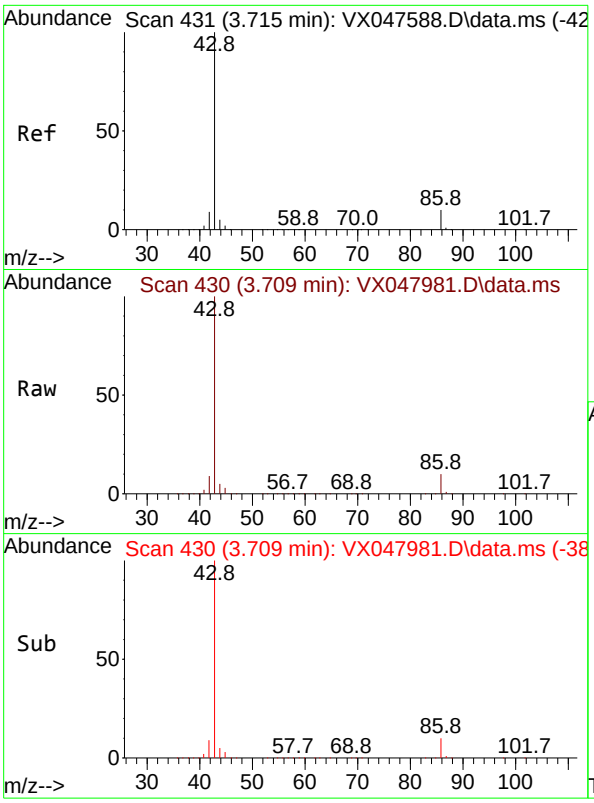


#22
Diisopropyl ether
Concen: 53.792 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 45 Resp: 337219

Ion	Ratio	Lower	Upper
45	100		
43	116.3	81.0	121.4
87	25.4	20.3	30.5
59	11.5	9.0	13.4



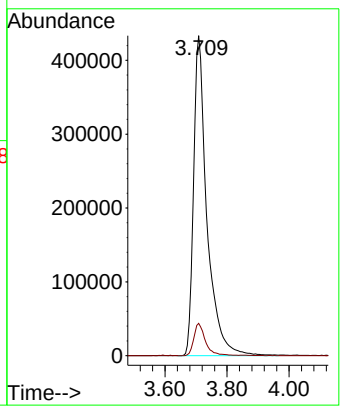


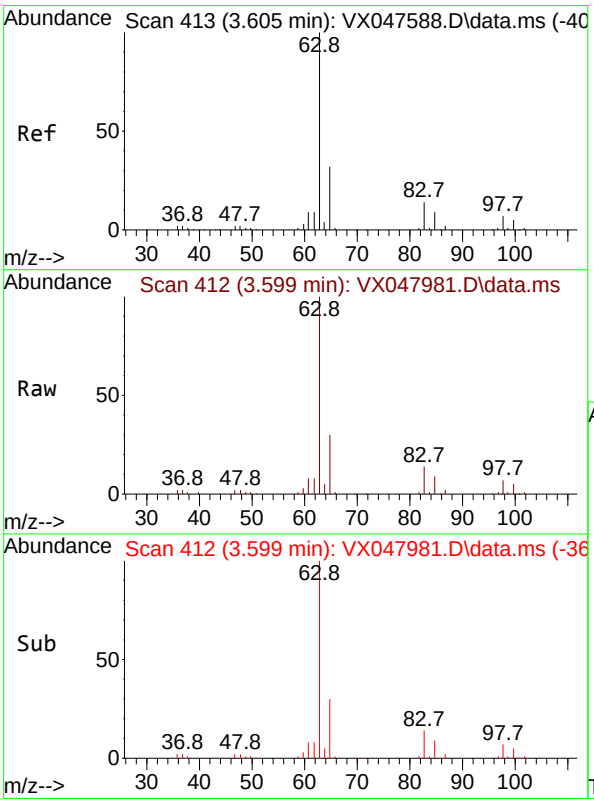
#23
Vinyl Acetate
Concen: 258.092 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1294922

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

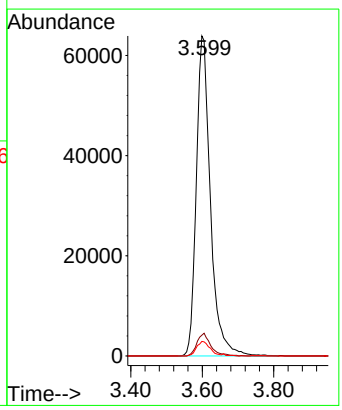


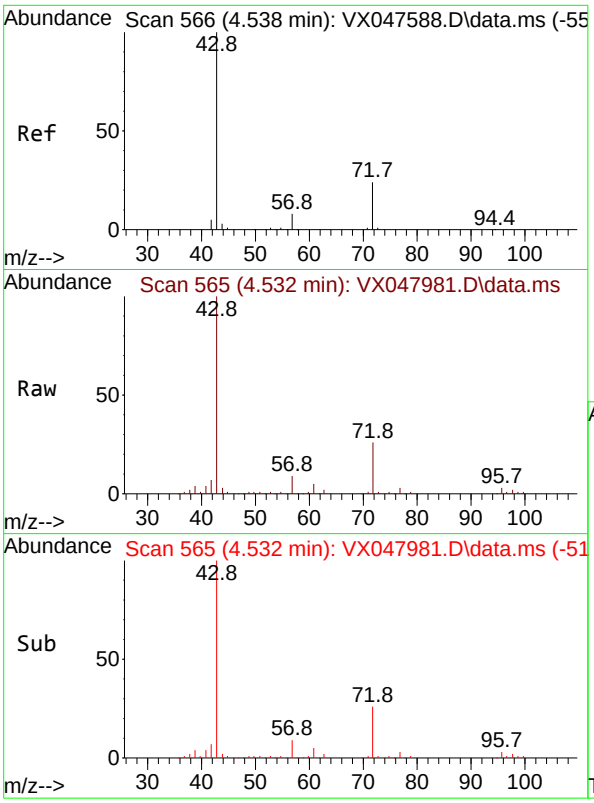


#24
1,1-Dichloroethane
Concen: 52.515 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 174979

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9



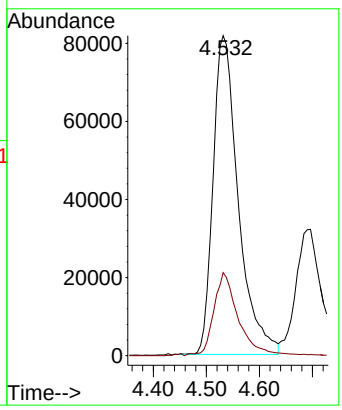


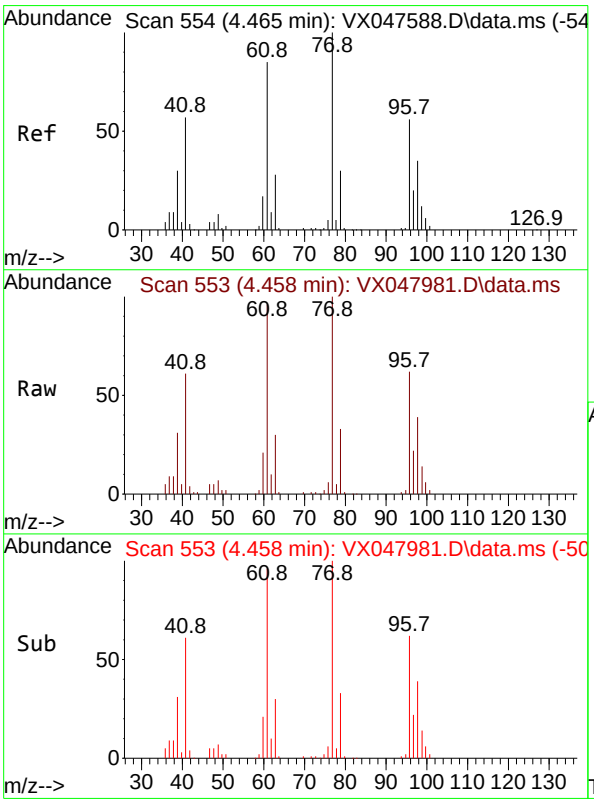
#25
2-Butanone
Concen: 236.489 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 269365

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.1	30.1

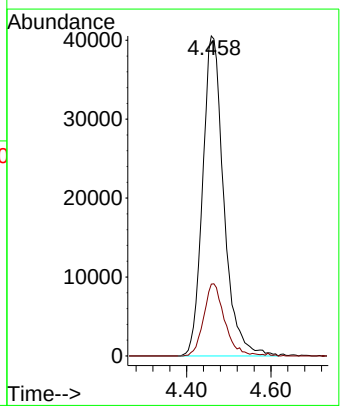


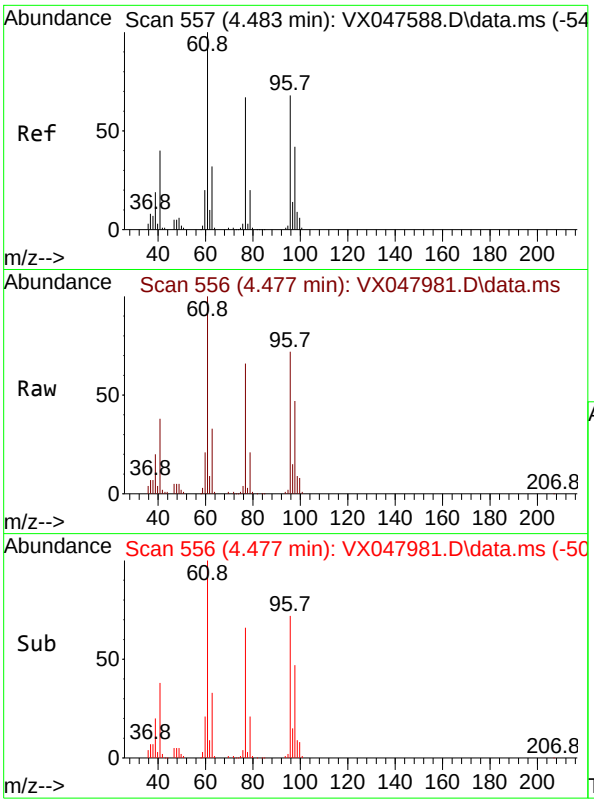


#26
2,2-Dichloropropane
Concen: 51.006 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 77 Resp: 141274

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



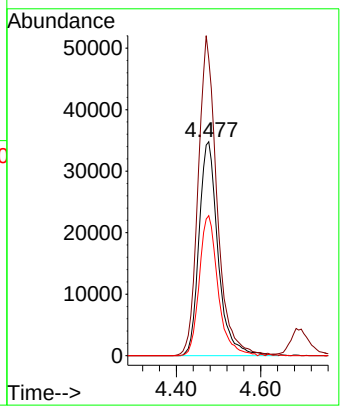


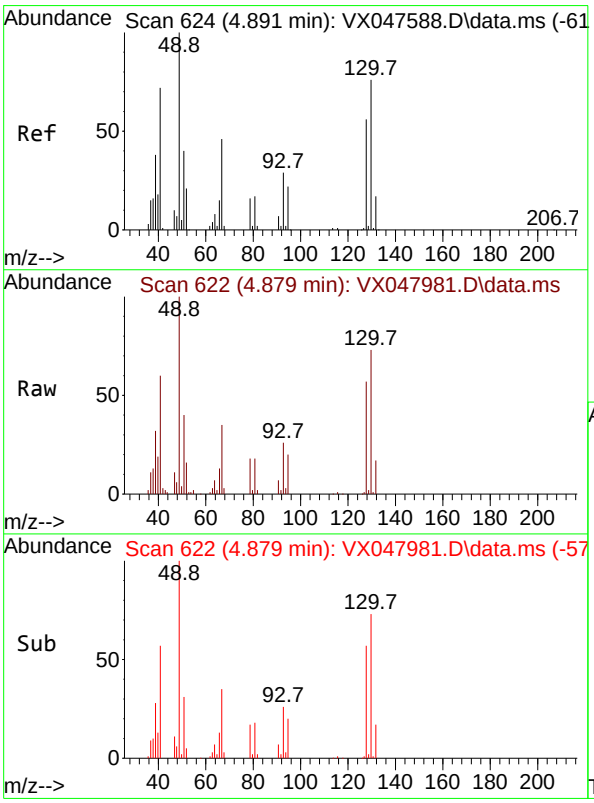
#27
cis-1,2-Dichloroethene
Concen: 52.794 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 109115

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	303.2
98	64.6	0.0	127.8

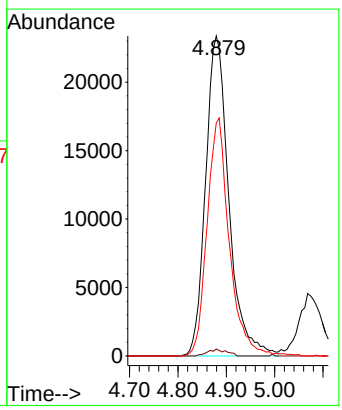


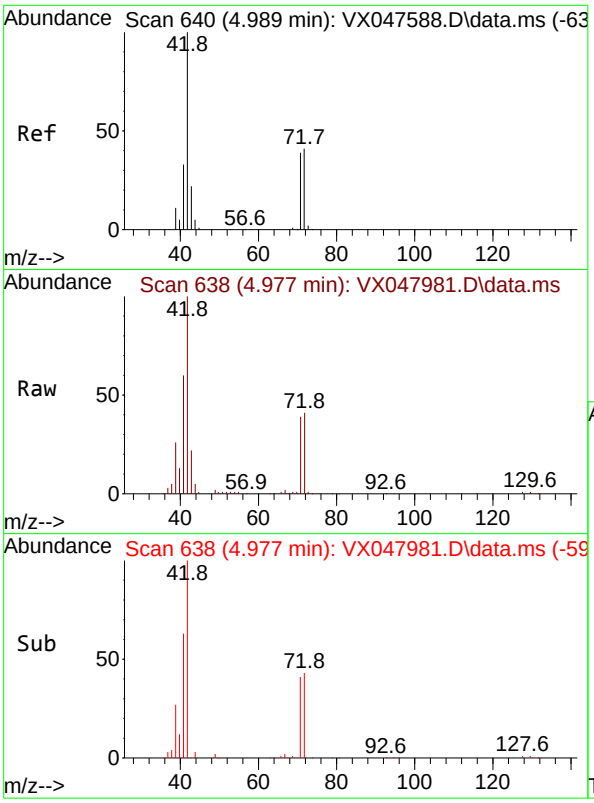


#28
Bromochloromethane
Concen: 53.648 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 49 Resp: 78038

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.1	57.8	86.8



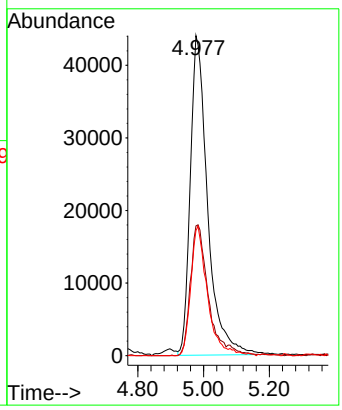


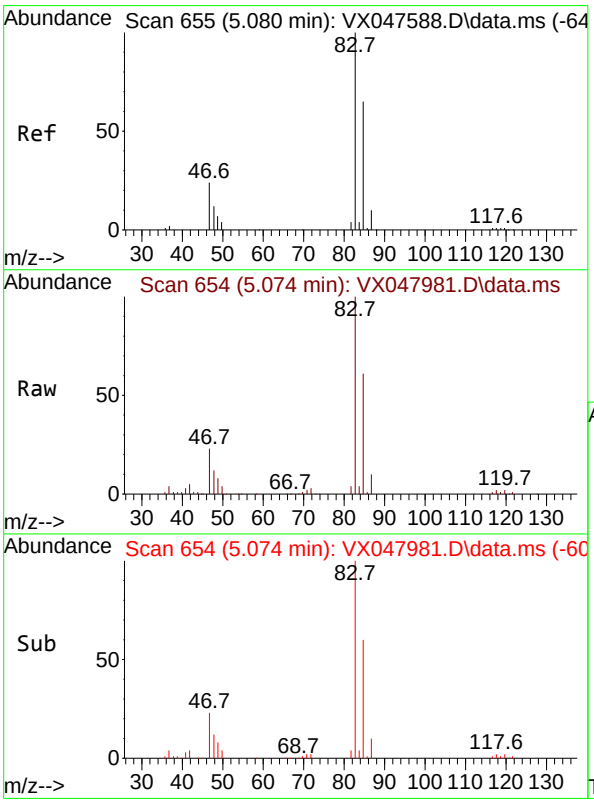
#29
Tetrahydrofuran
Concen: 235.207 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 161165

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	38.8	31.9	47.9

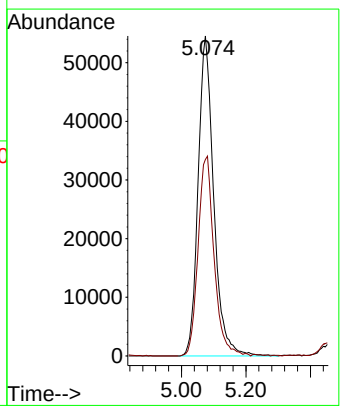


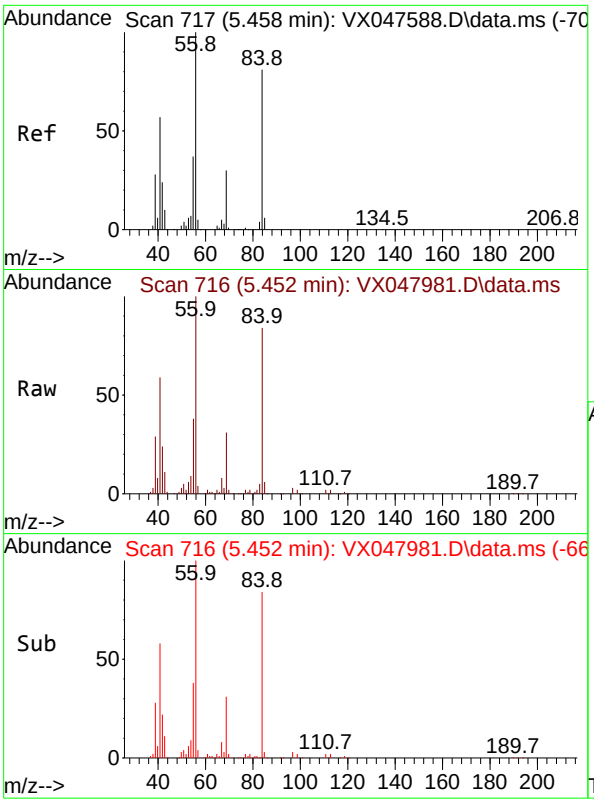


#30
Chloroform
Concen: 54.270 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 182731

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6



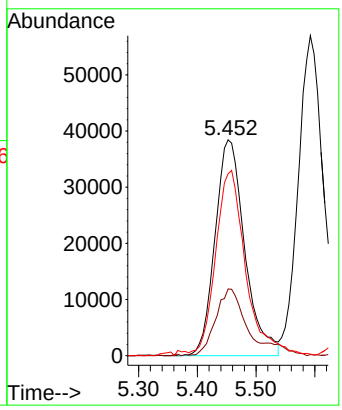


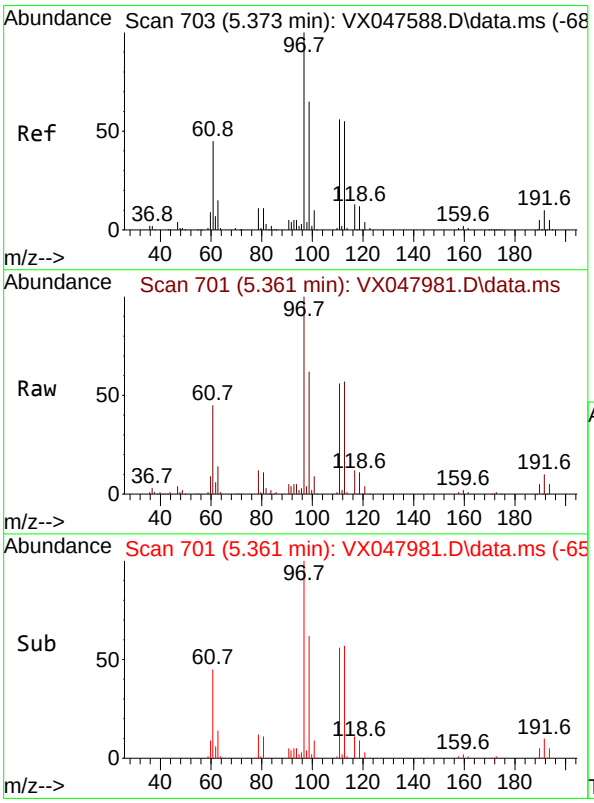
#31
Cyclohexane
Concen: 48.665 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 135050

Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.8	35.8
84	81.8	64.6	97.0

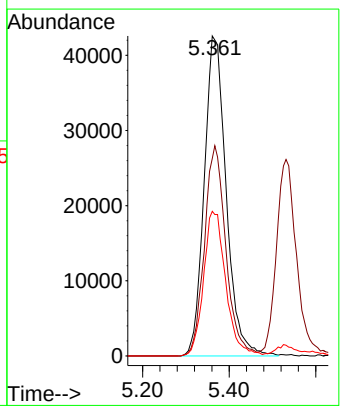


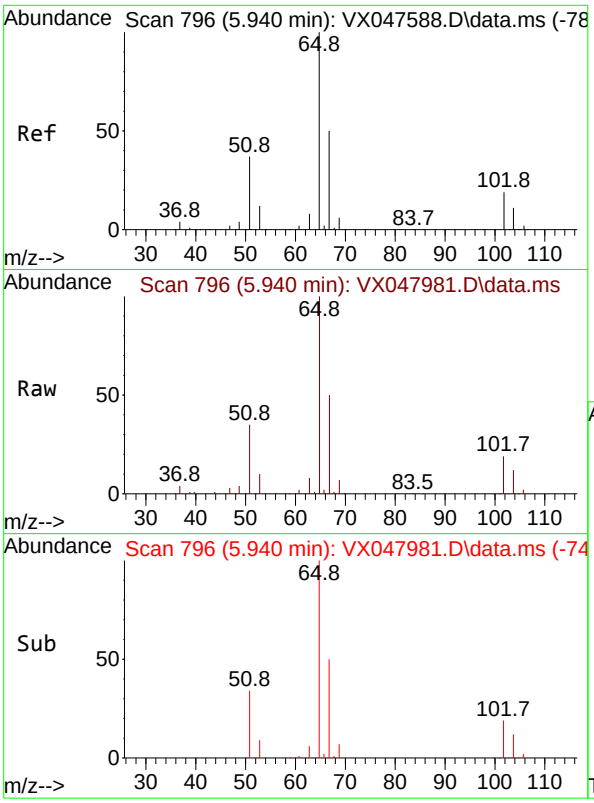


#32
1,1,1-Trichloroethane
Concen: 52.659 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 97 Resp: 150394

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	45.5	35.8	53.8



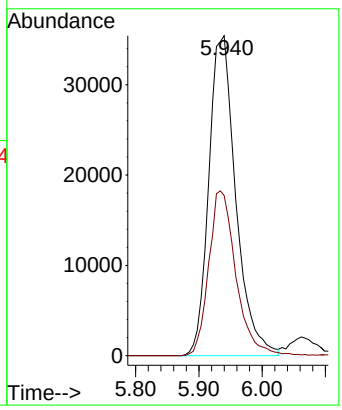


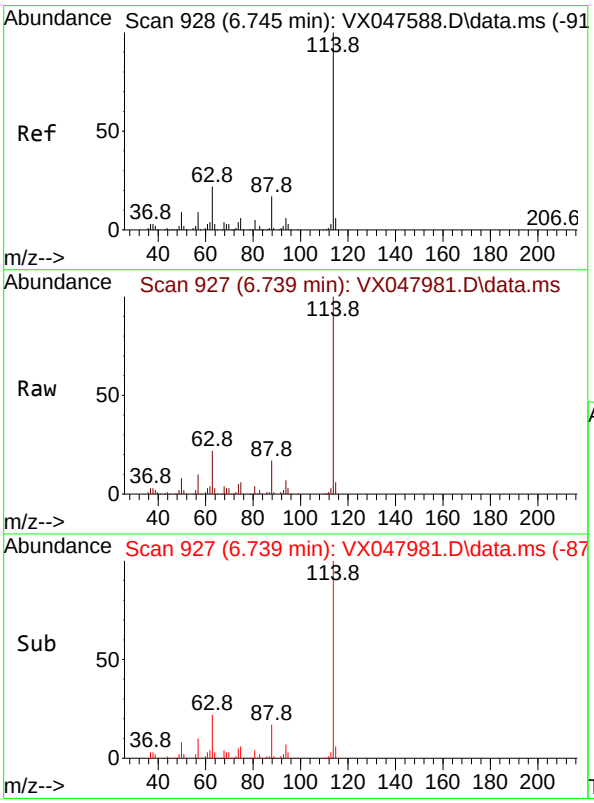
#33
1,2-Dichloroethane-d4
Concen: 50.073 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 105158

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

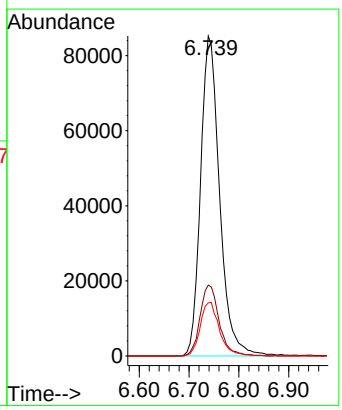


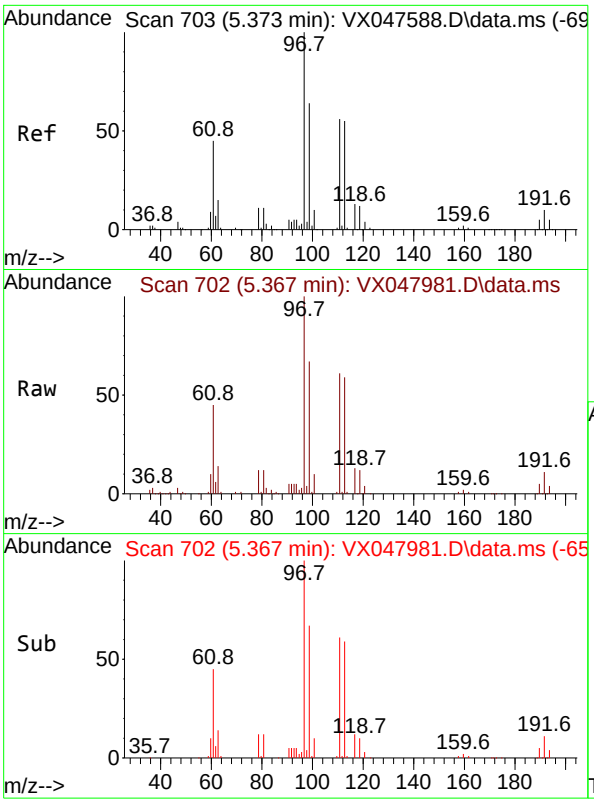


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:114 Resp: 225878

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.6	0.0	34.2



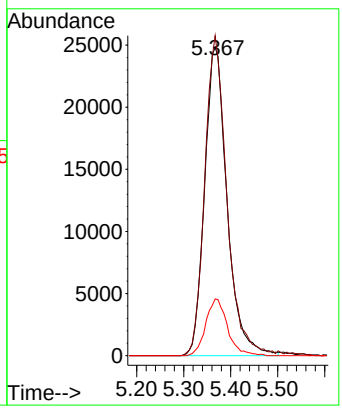


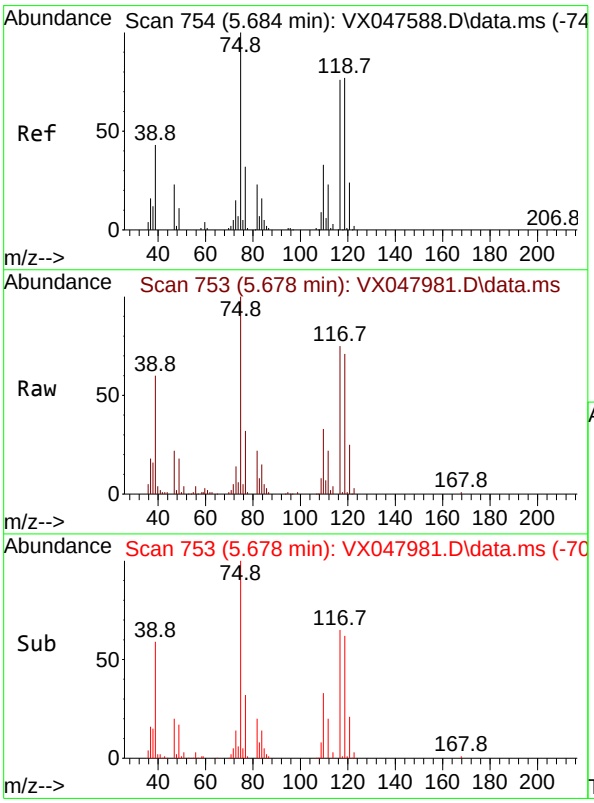
#35
Dibromofluoromethane
Concen: 54.487 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 82541

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	17.8	14.2	21.4

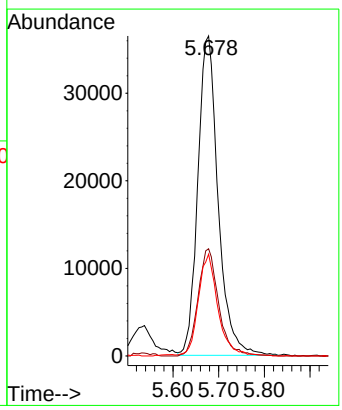


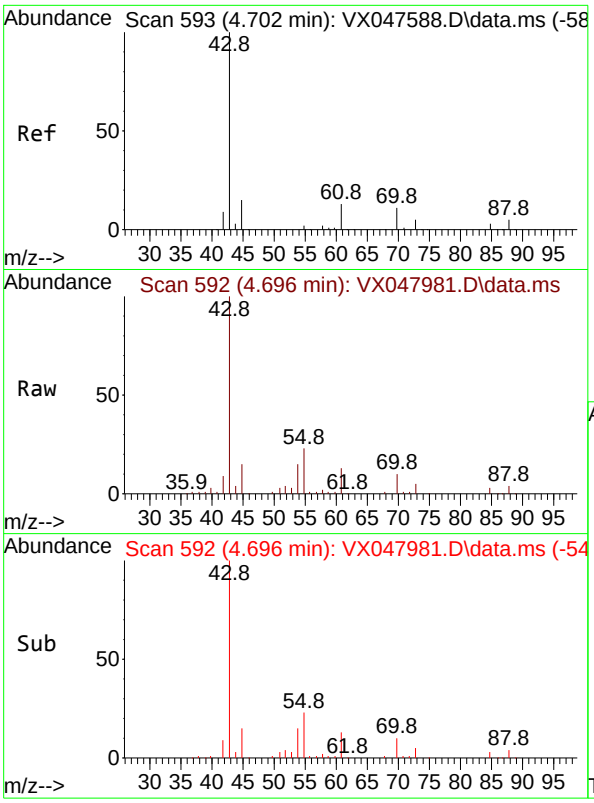


#36
1,1-Dichloropropene
Concen: 50.861 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 112584

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	30.8	24.3	36.5



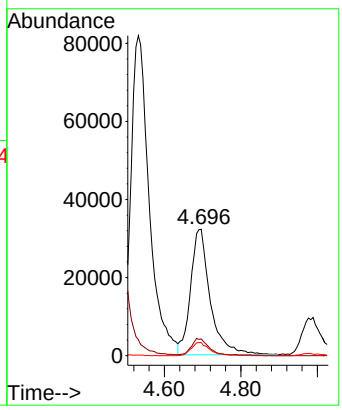


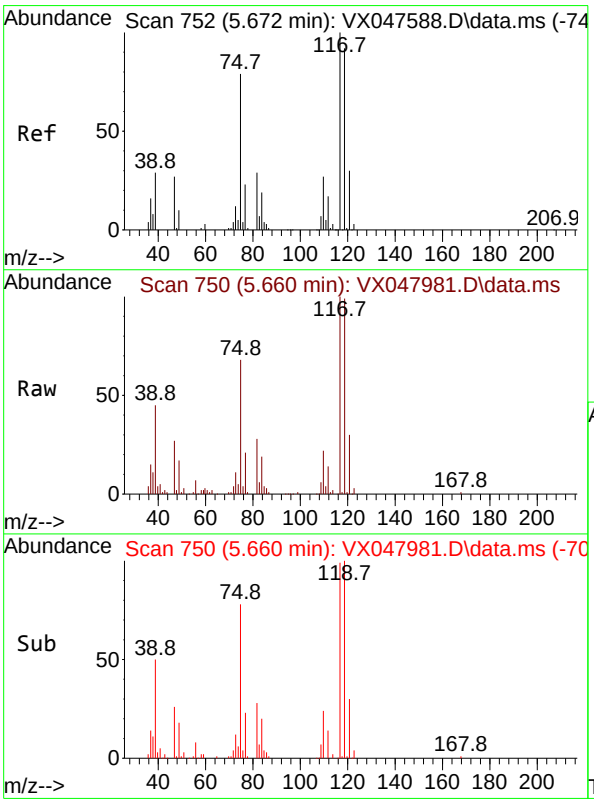
#37
Ethyl Acetate
Concen: 48.424 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 114770

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	10.0	7.9	11.9

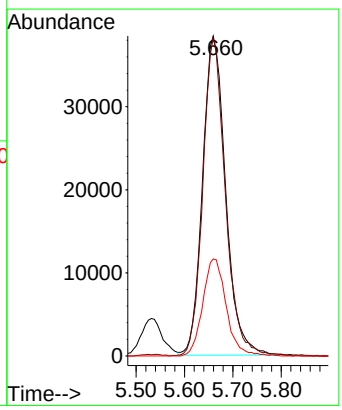


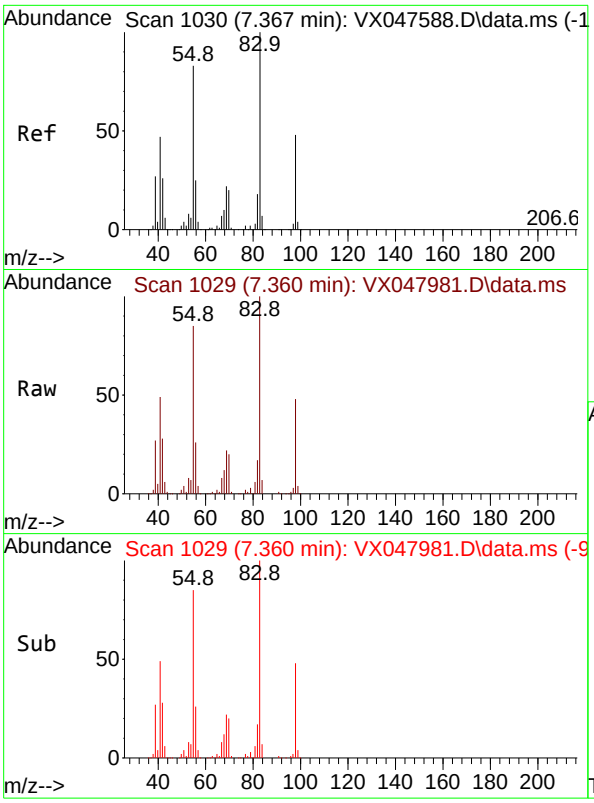


#38
Carbon Tetrachloride
Concen: 53.085 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 127673

Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.4	110.2
121	30.4	23.8	35.6



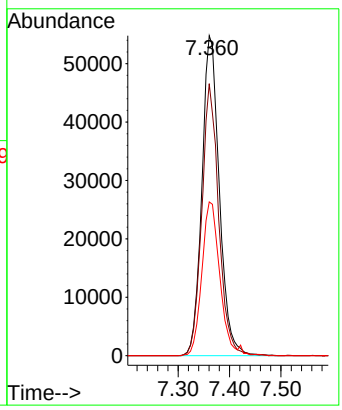


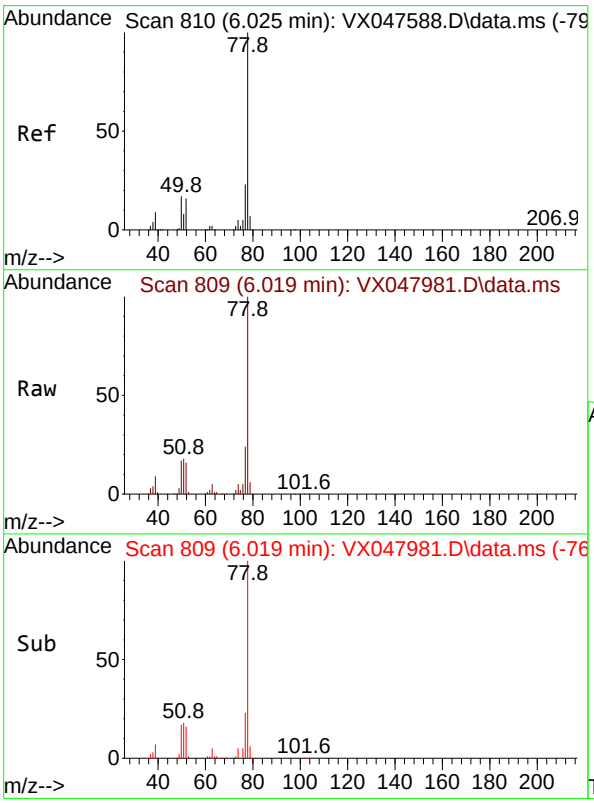
#39
Methylcyclohexane
Concen: 51.374 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 129087

Ion	Ratio	Lower	Upper
83	100		
55	85.0	66.4	99.6
98	48.0	38.1	57.1

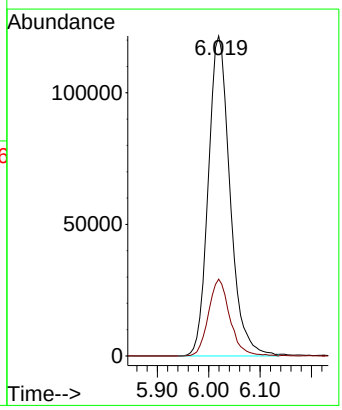


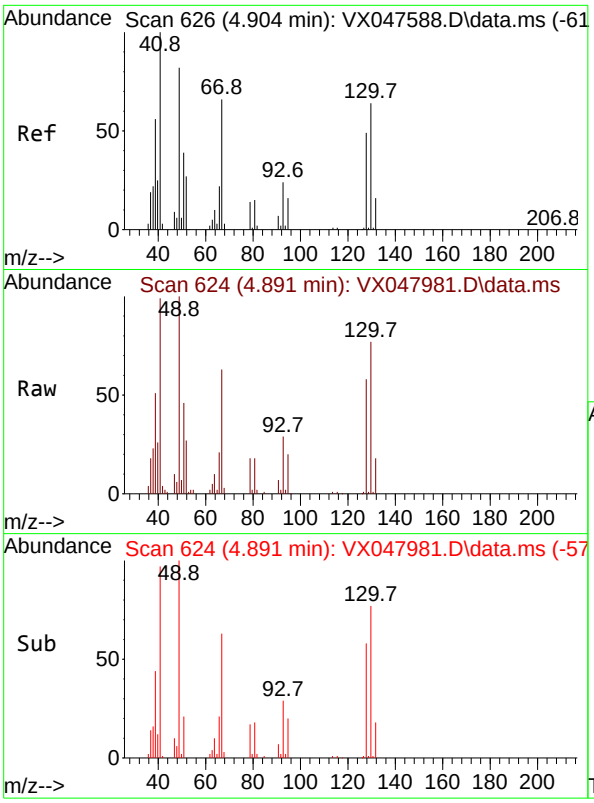


#40
Benzene
Concen: 53.235 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 78 Resp: 357908

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



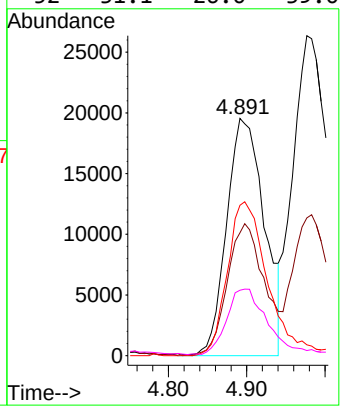


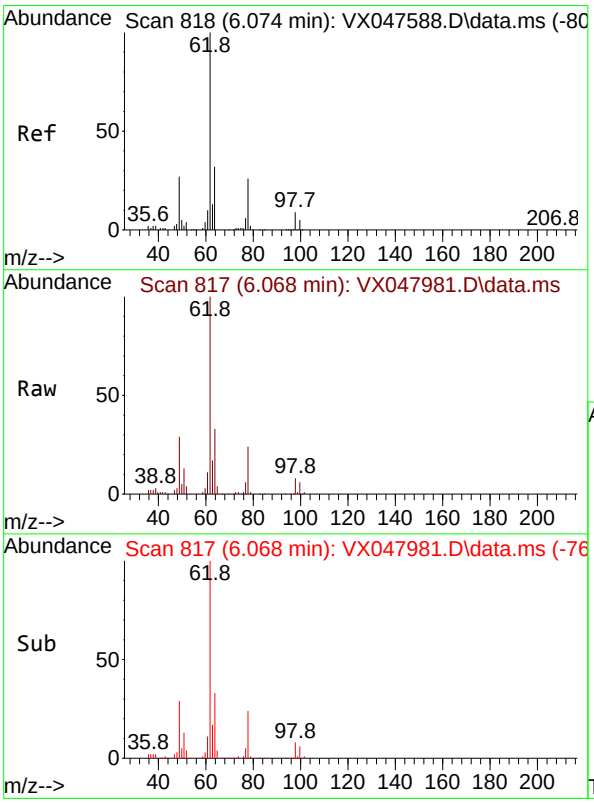
#41
Methacrylonitrile
Concen: 53.653 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 65648

Ion	Ratio	Lower	Upper
41	100		
39	56.0	43.3	64.9
67	69.5	58.6	87.8
52	31.1	26.0	39.0

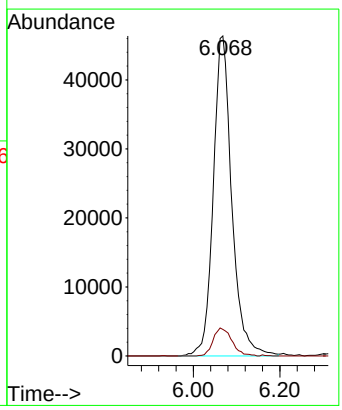


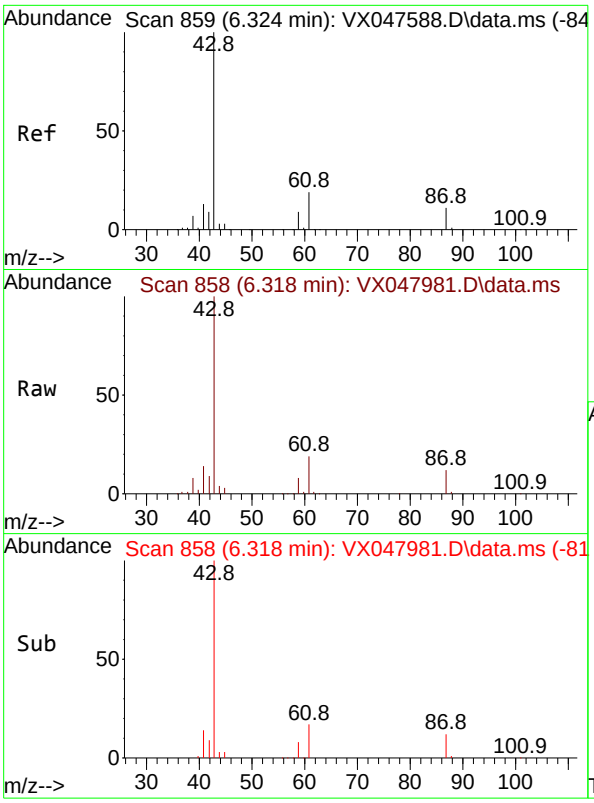


#42
1,2-Dichloroethane
Concen: 53.871 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 137806

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



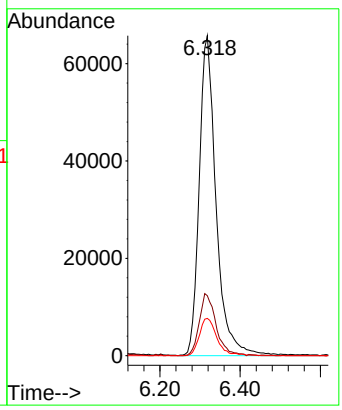


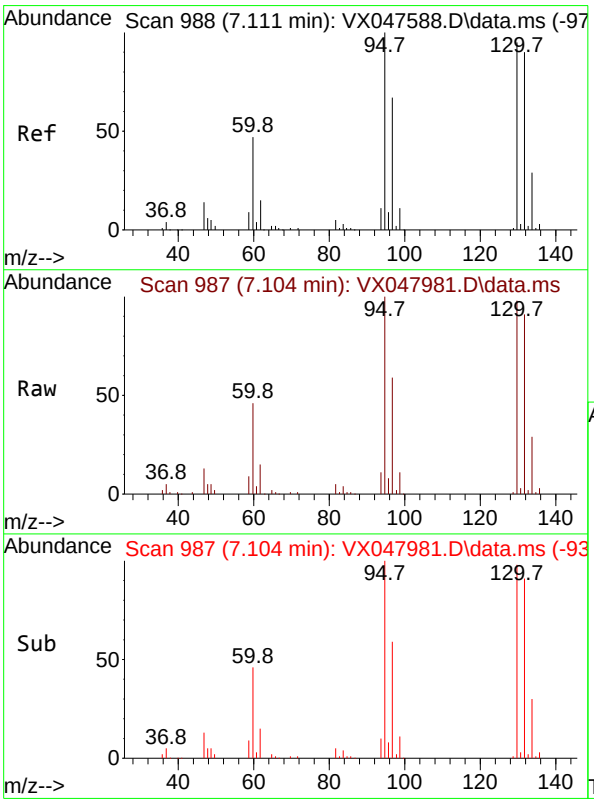
#43
Isopropyl Acetate
Concen: 49.355 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 191848

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.2	9.6	14.4

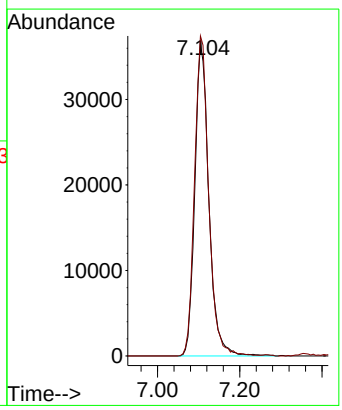


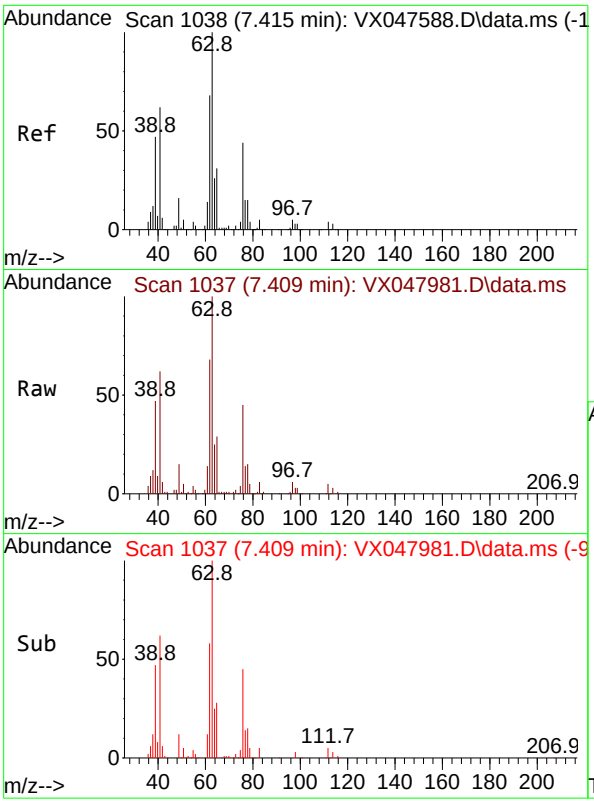


#44
Trichloroethene
Concen: 53.434 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:130 Resp: 86853

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8



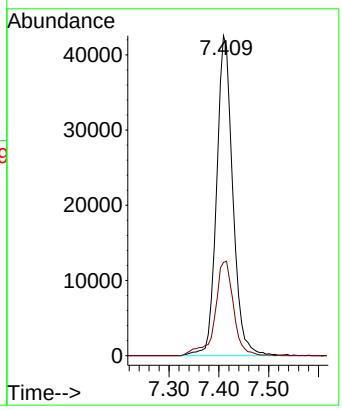


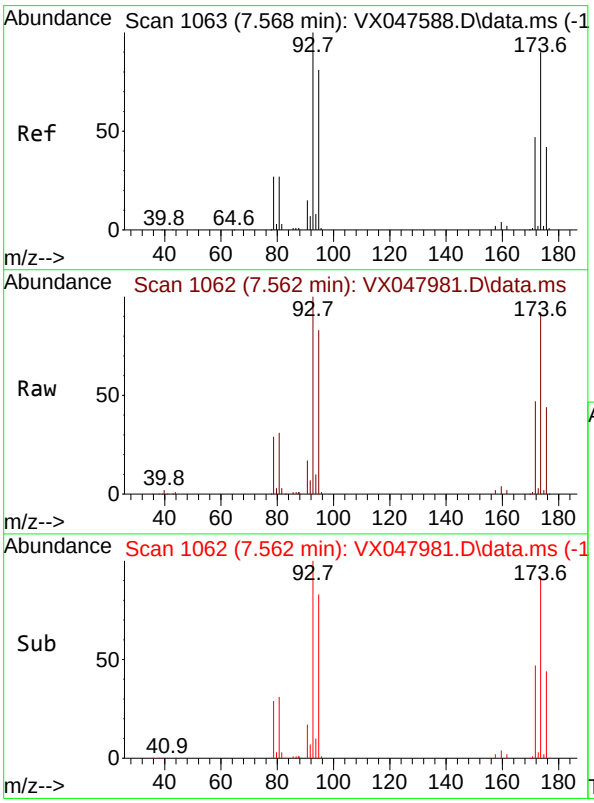
#45
1,2-Dichloropropane
Concen: 55.851 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 96150

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

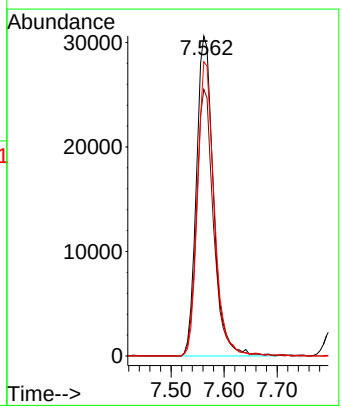


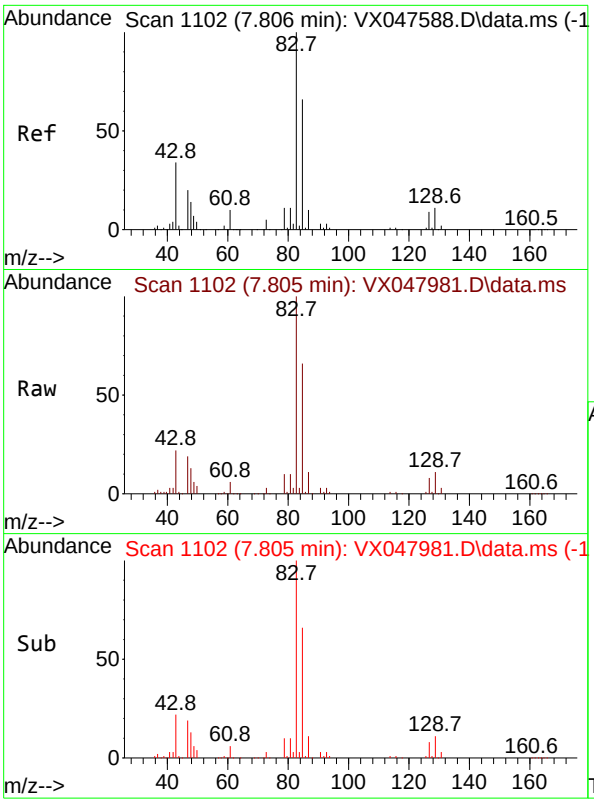


#46
Dibromomethane
Concen: 54.722 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 93 Resp: 68555

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	89.6	71.6	107.4



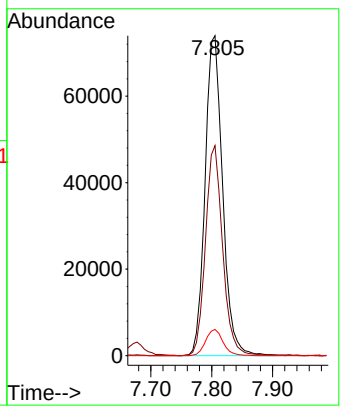


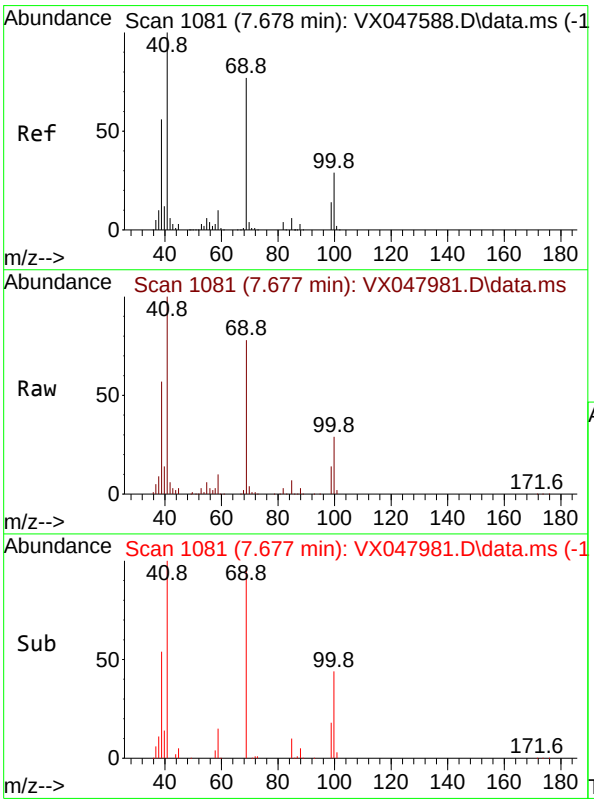
#47
Bromodichloromethane
Concen: 57.255 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148015

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7
127	8.2	6.9	10.3

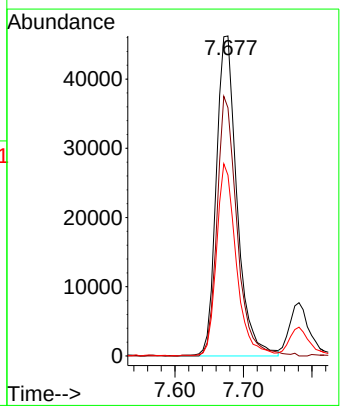


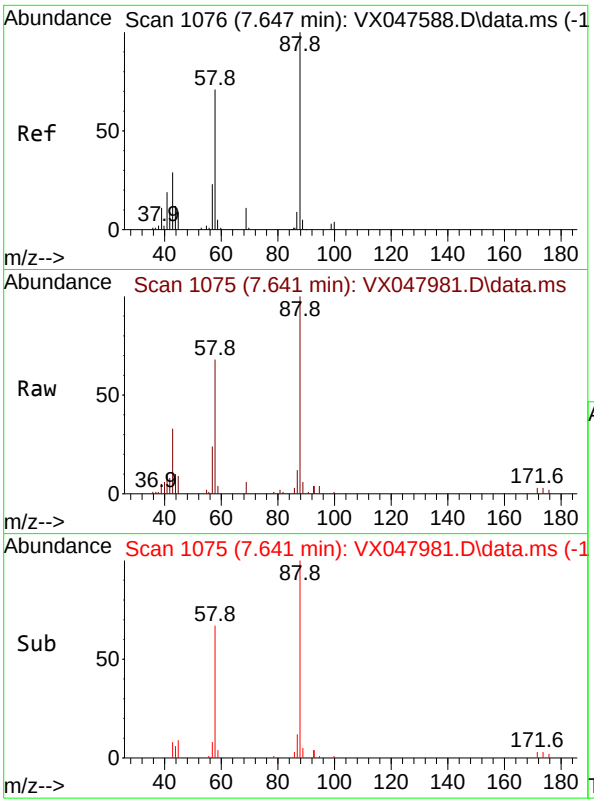


#48
Methyl methacrylate
Concen: 50.106 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 97016

Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	57.4	45.8	68.6



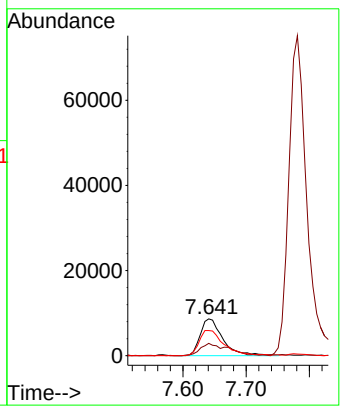


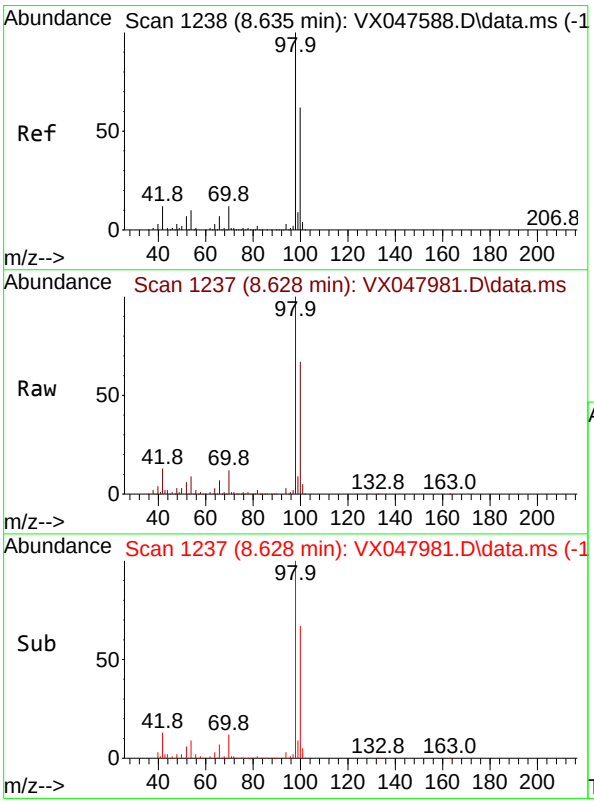
#49
1,4-Dioxane
Concen: 1102.746 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 21578

Ion	Ratio	Lower	Upper
88	100		
43	41.4	30.2	45.2
58	75.0	59.5	89.3

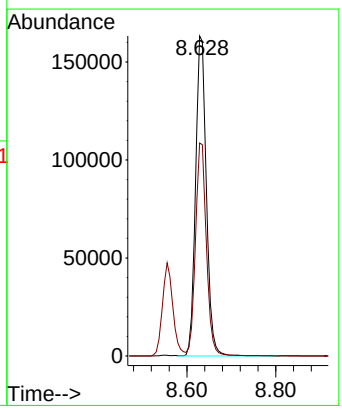


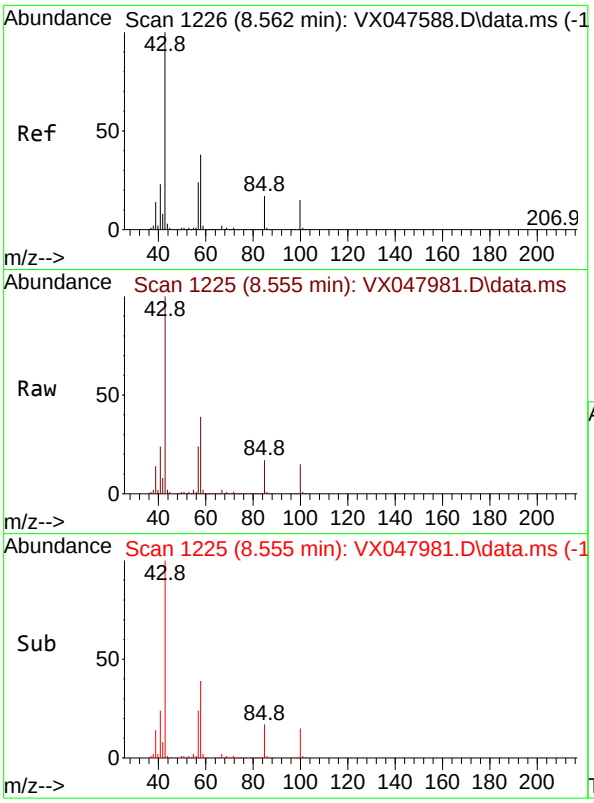


#50
Toluene-d8
Concen: 52.341 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 98 Resp: 274356

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



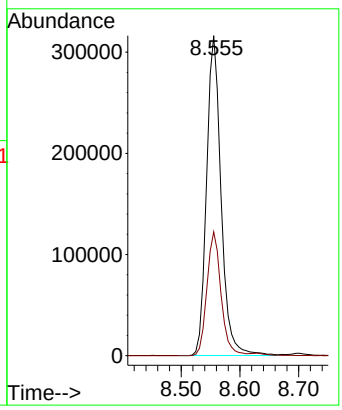


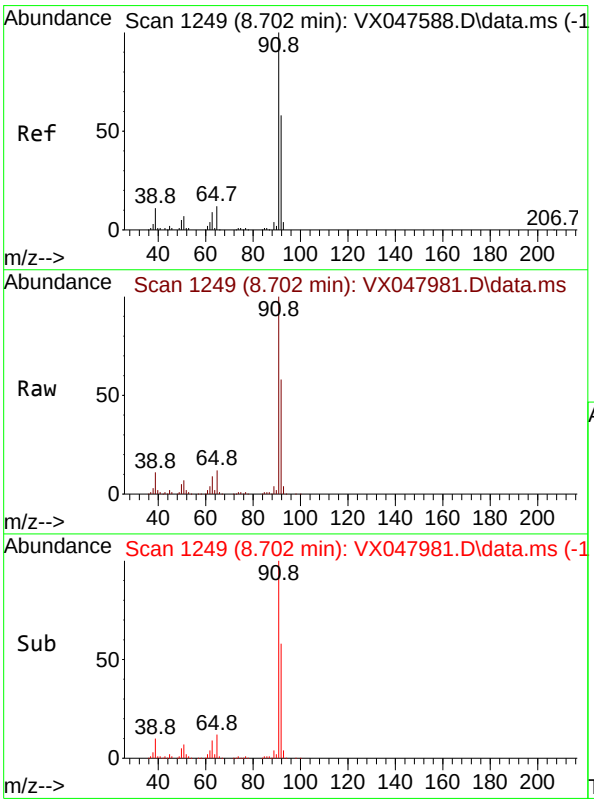
#51
4-Methyl-2-Pentanone
Concen: 251.926 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 542948

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

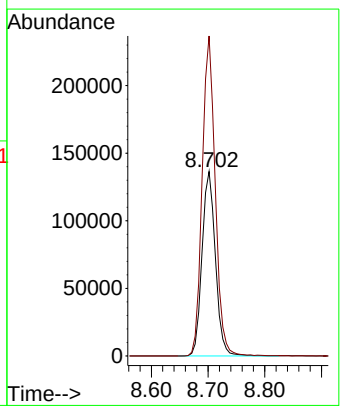


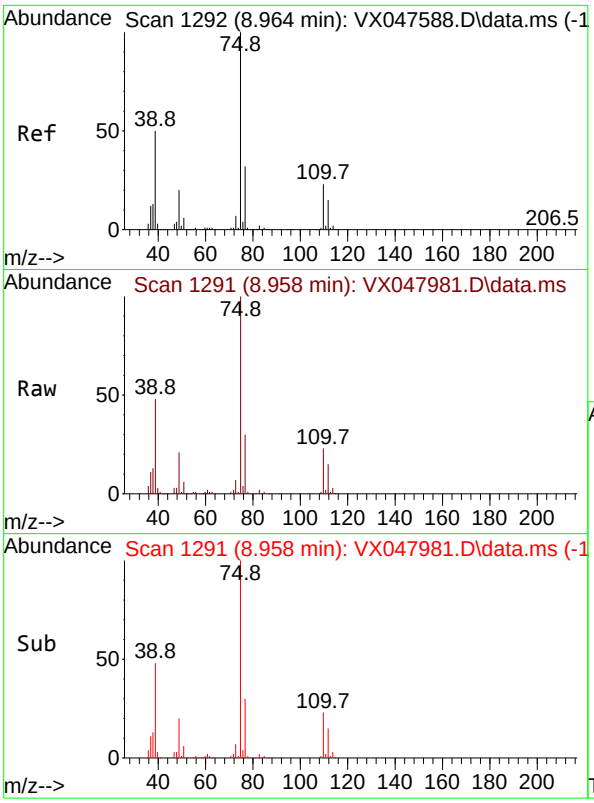


#52
Toluene
Concen: 53.932 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 92 Resp: 223395

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7



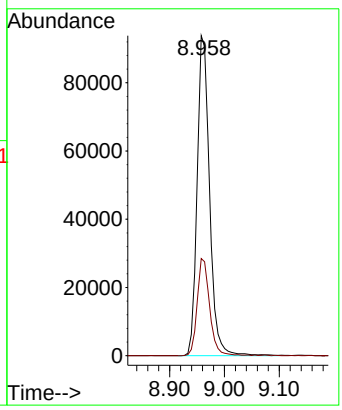


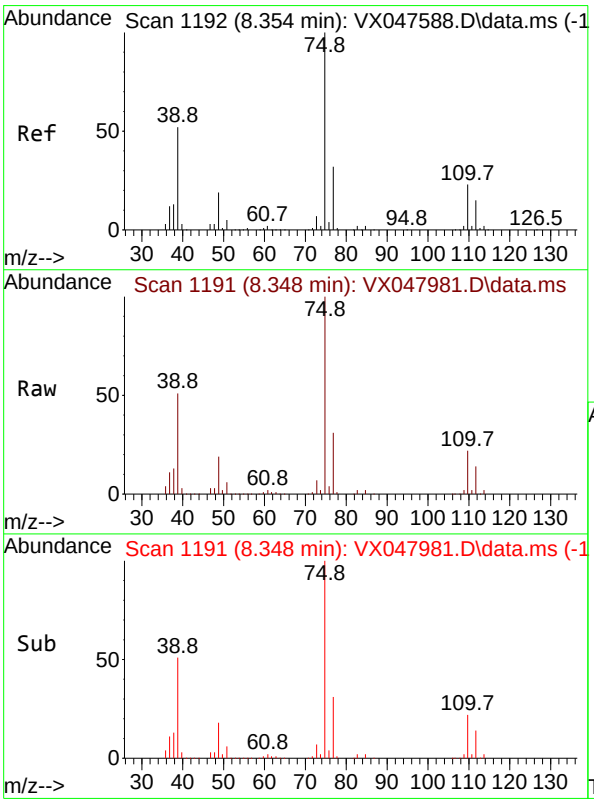
#53
t-1,3-Dichloropropene
Concen: 56.258 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 148348

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2

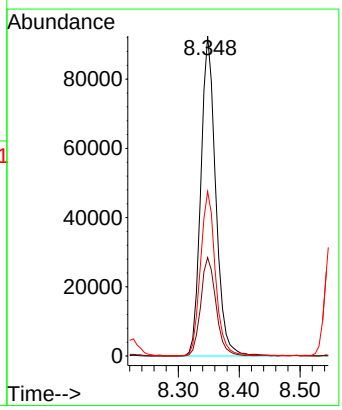


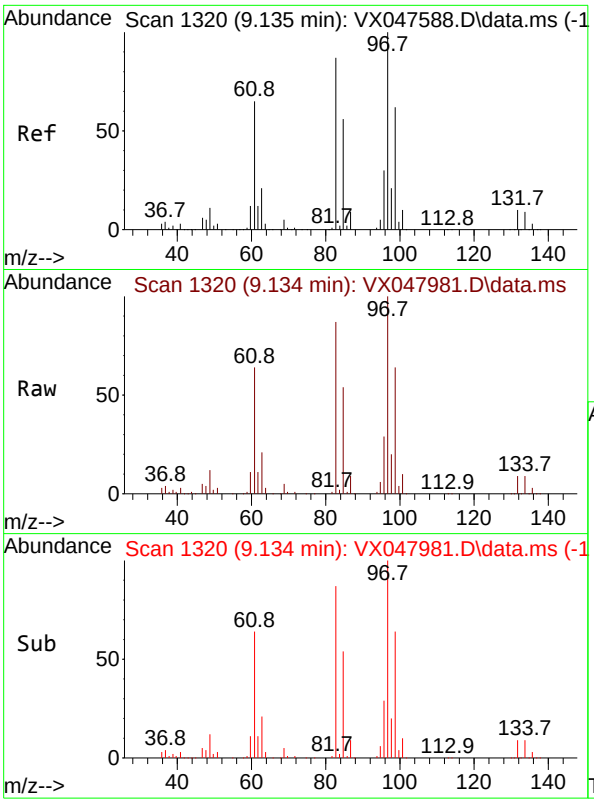


#54
cis-1,3-Dichloropropene
Concen: 55.904 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 157563

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6
39	50.8	41.4	62.2



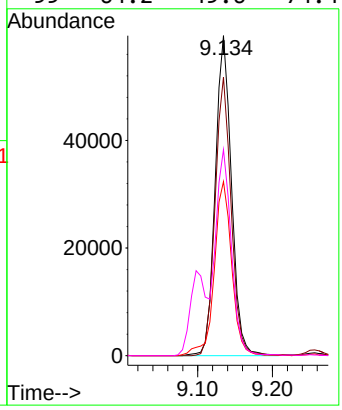


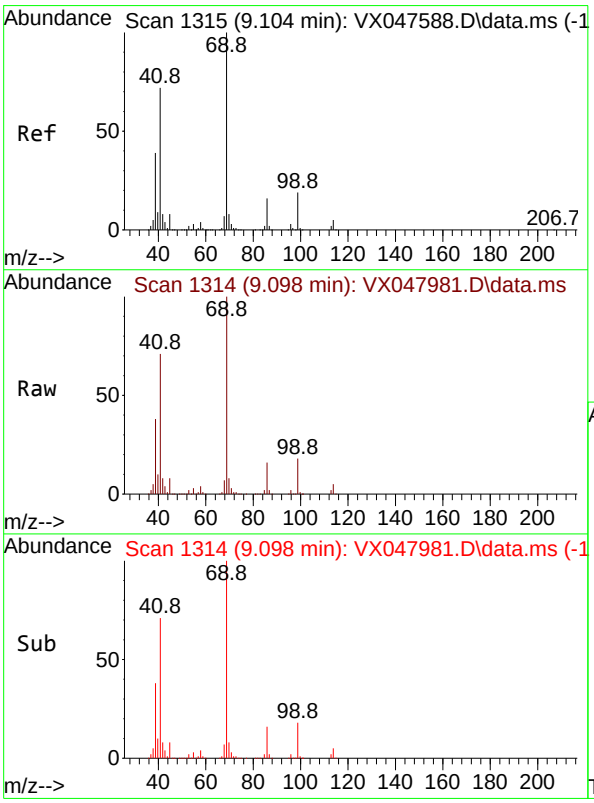
#55
1,1,2-Trichloroethane
Concen: 56.261 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 89860

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.6	104.4
85	54.4	45.0	67.6
99	64.2	49.6	74.4

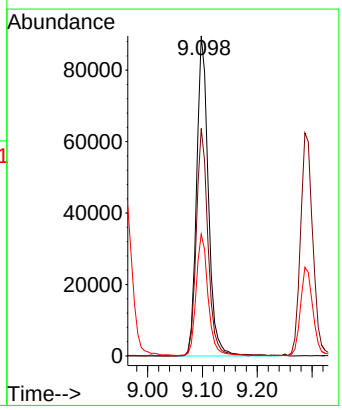


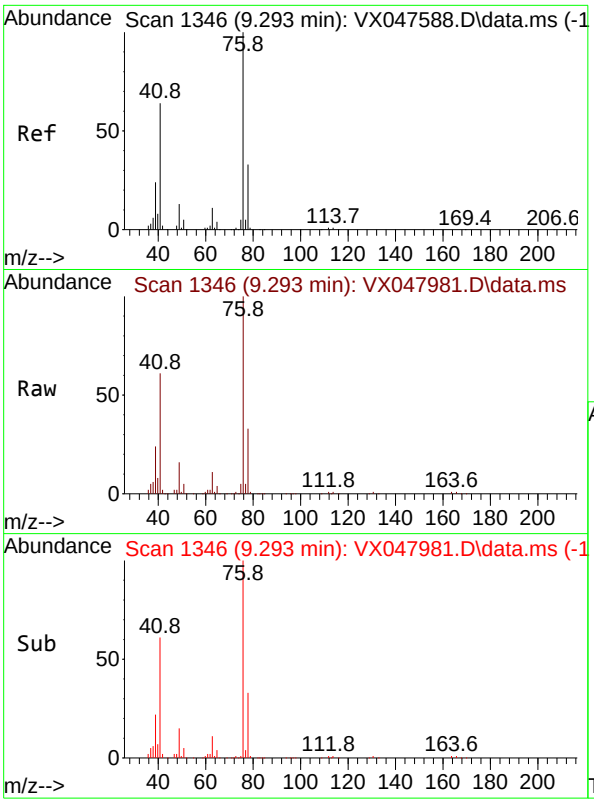


#56
Ethyl methacrylate
Concen: 53.383 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 69 Resp: 133902

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.8	31.5	47.3



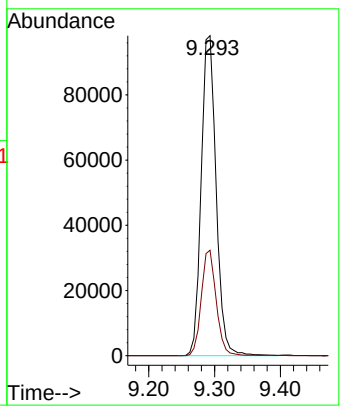


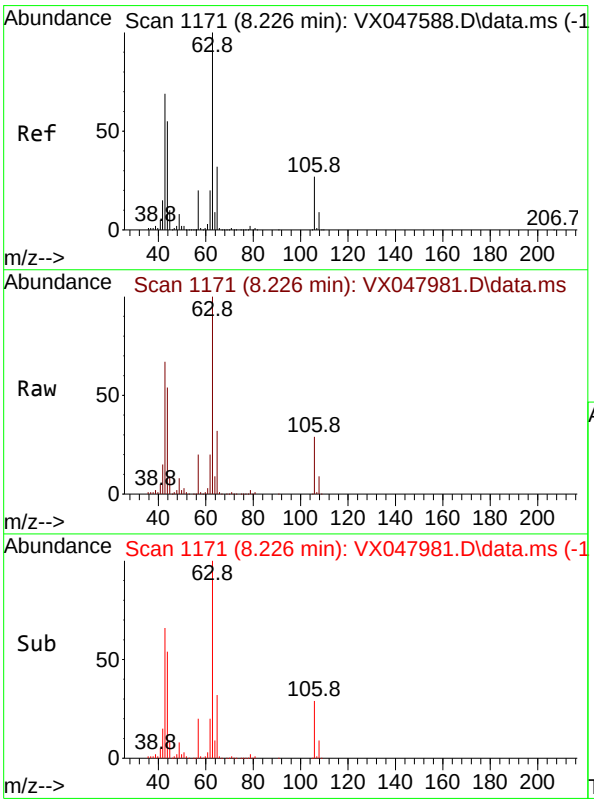
#57
1,3-Dichloropropane
Concen: 56.403 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 154753

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.4

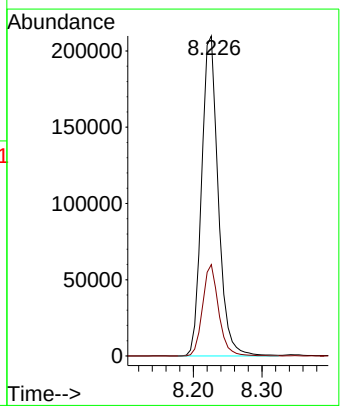


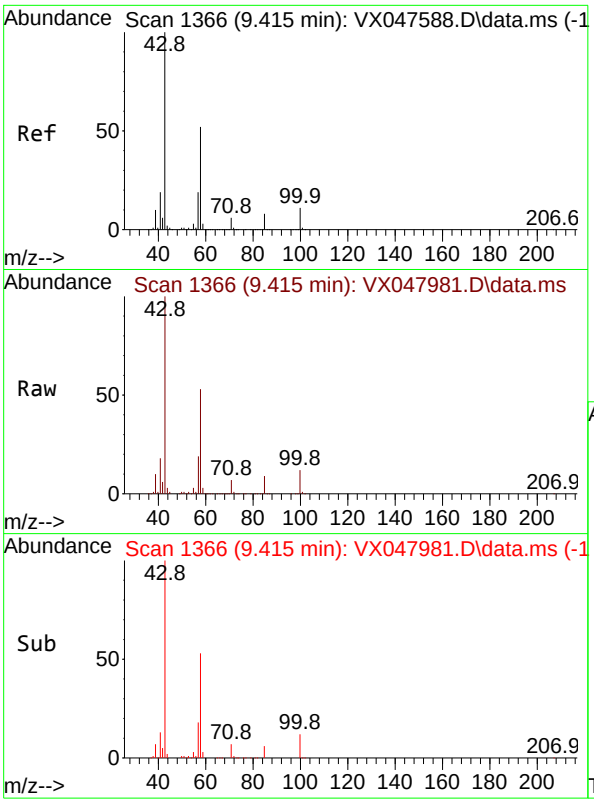


#58
2-Chloroethyl Vinyl ether
Concen: 291.841 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 353607

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



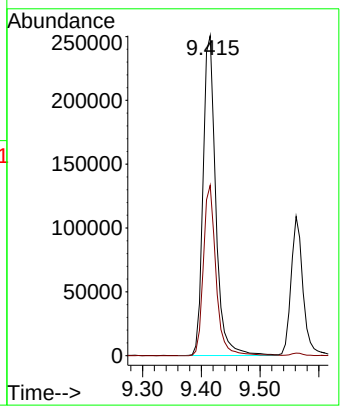


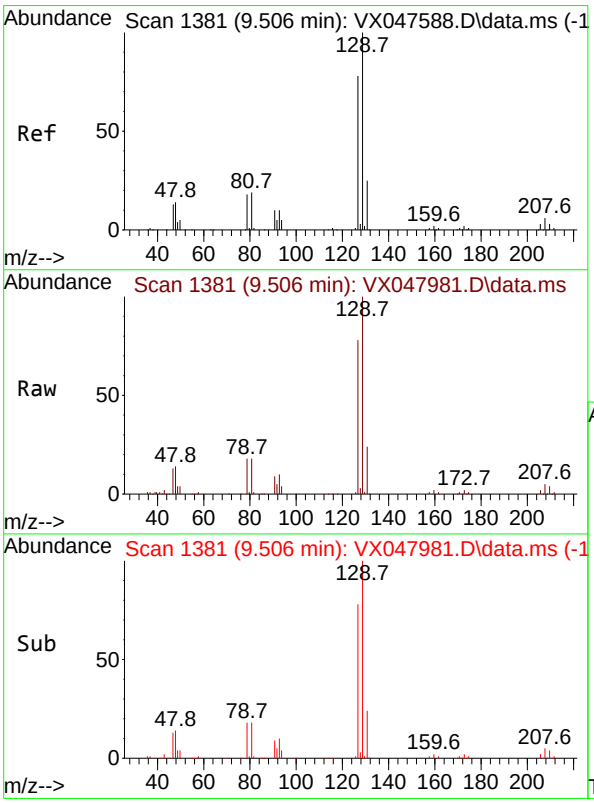
#59
2-Hexanone
Concen: 243.952 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 377604

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

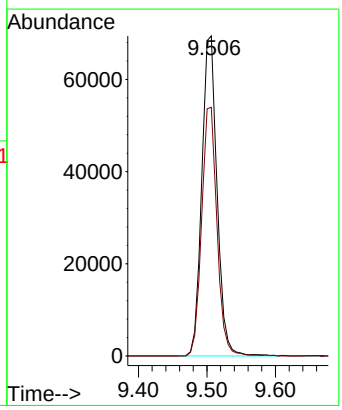


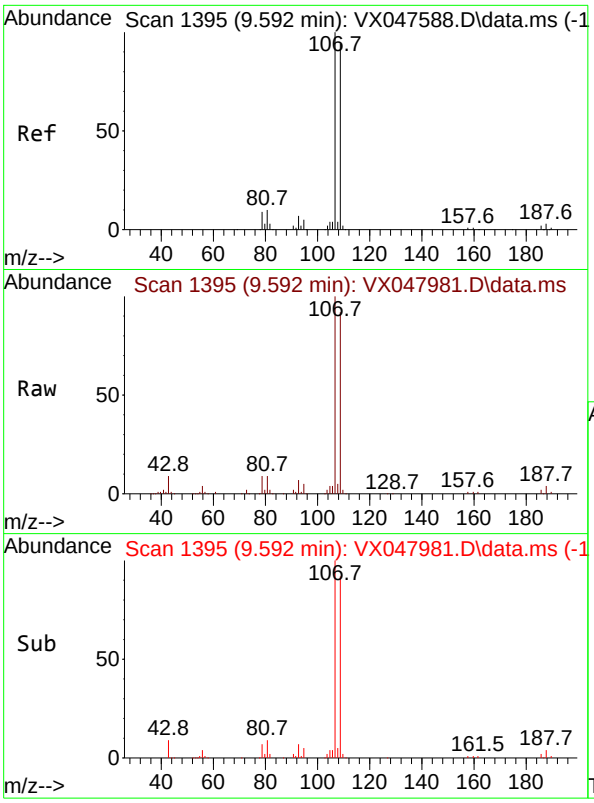


#60
Dibromochloromethane
Concen: 58.621 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:129 Resp: 107882

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



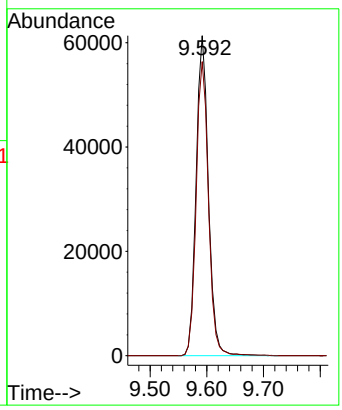


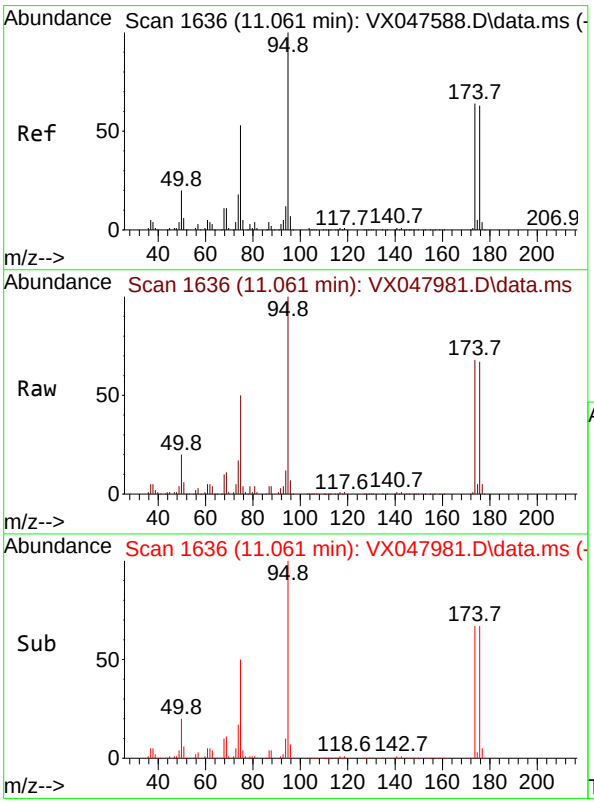
#61
1,2-Dibromoethane
Concen: 56.633 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 92132

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.3	112.9

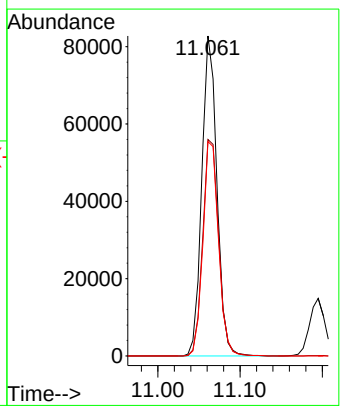


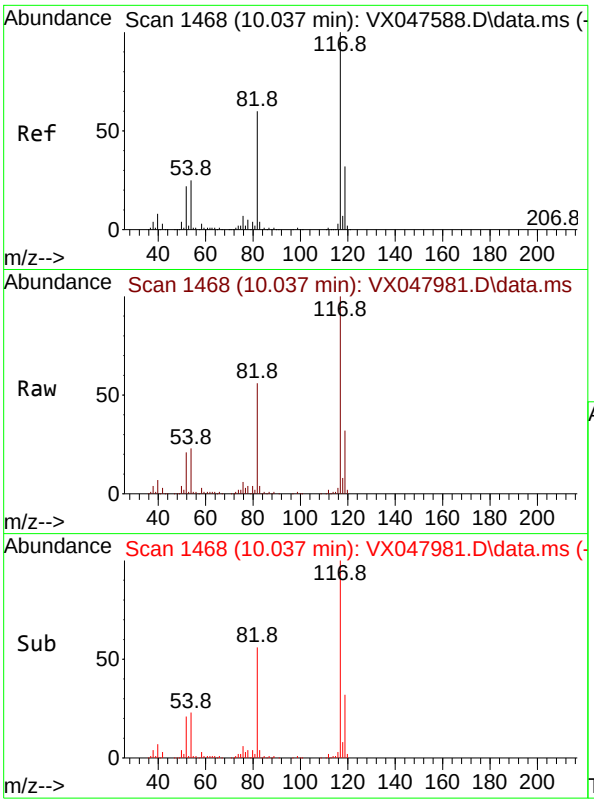


#62
4-Bromofluorobenzene
Concen: 53.105 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 95 Resp: 105643

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.3	0.0	138.4



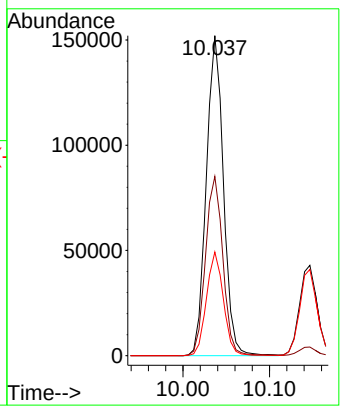


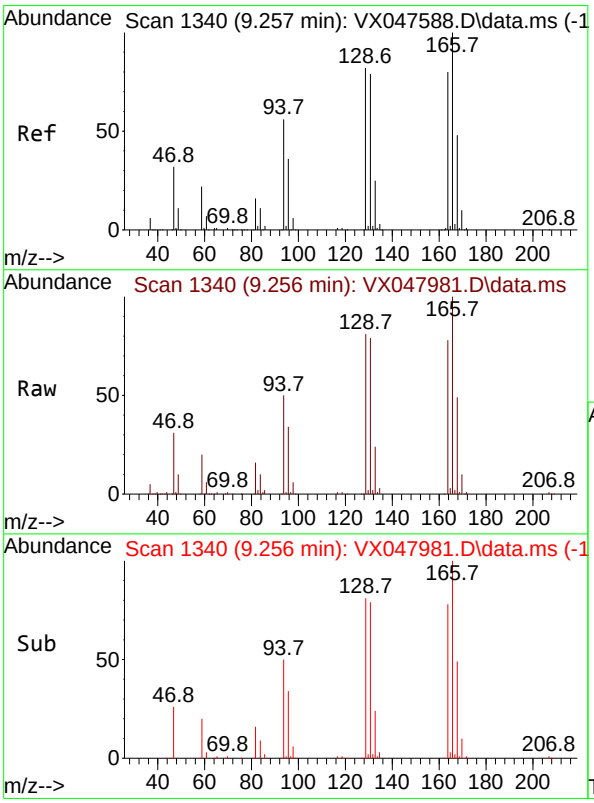
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 209083

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.8	71.6
119	32.4	25.2	37.8

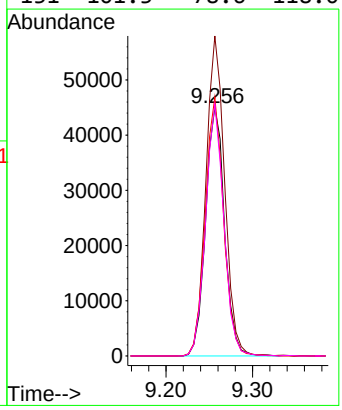


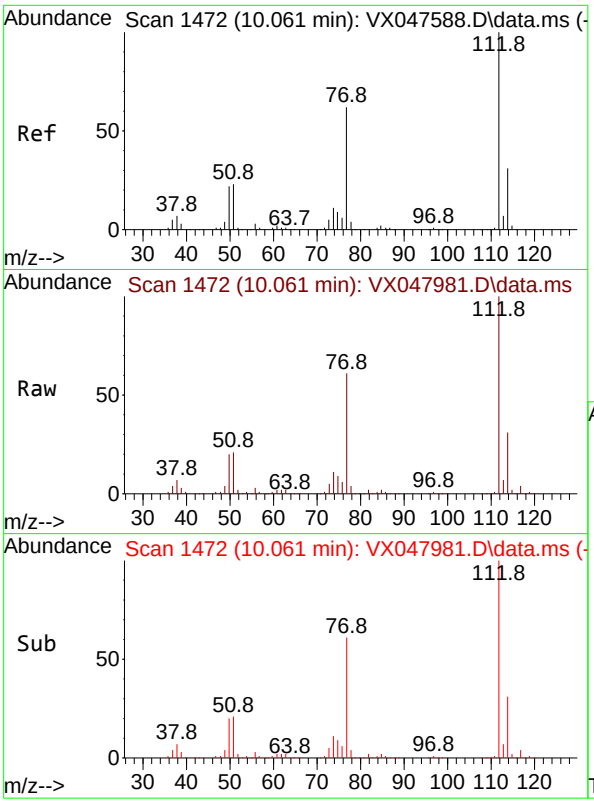


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:164 Resp: 68331

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.2	150.2
129	104.1	81.8	122.6
131	101.3	78.6	118.0



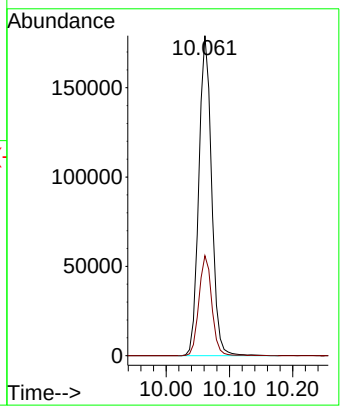


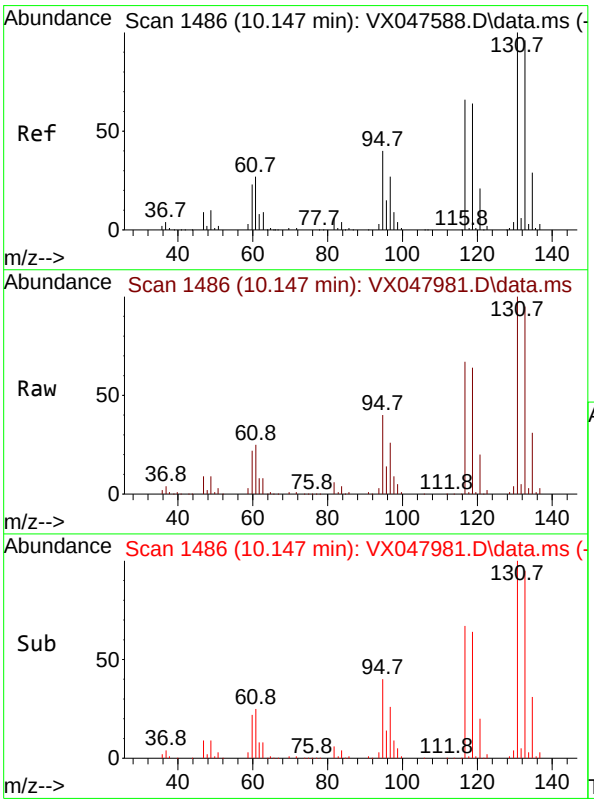
#65
Chlorobenzene
Concen: 53.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 252022

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.1	37.7

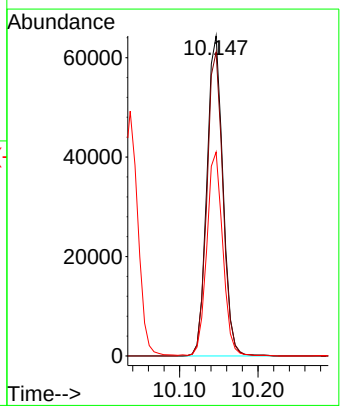


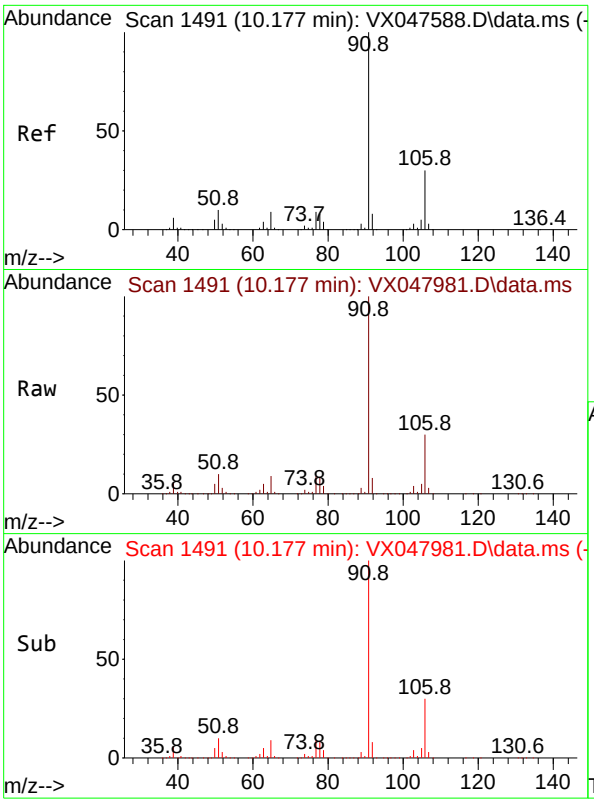


#66
1,1,1,2-Tetrachloroethane
Concen: 55.663 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:131 Resp: 91236

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	142.0
119	63.8	32.0	96.0



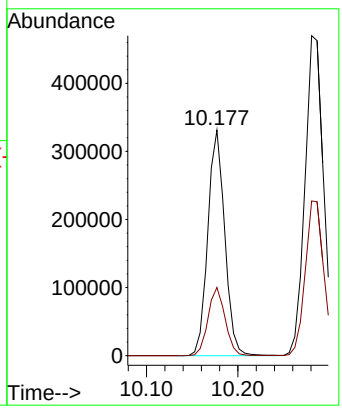


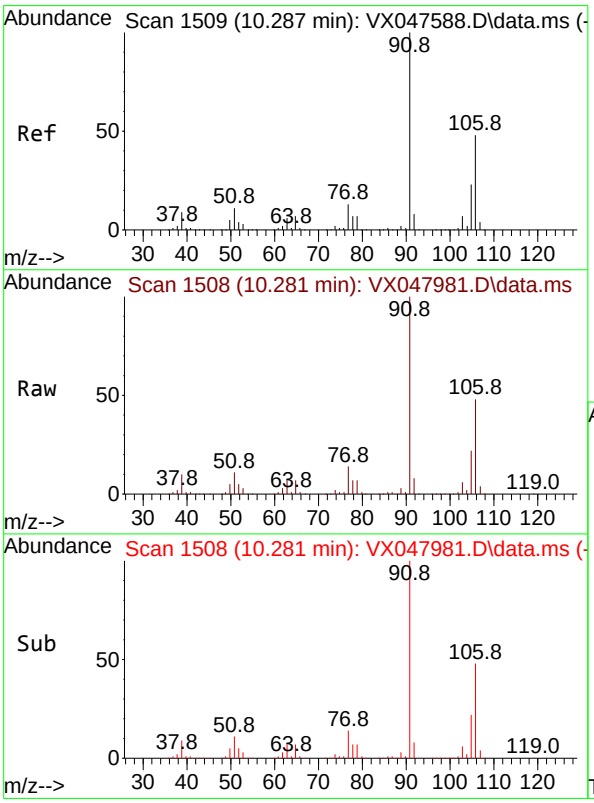
#67
Ethyl Benzene
Concen: 51.938 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 425670

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

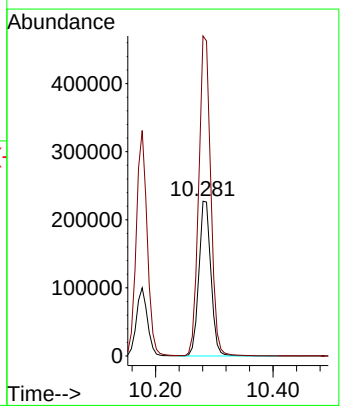


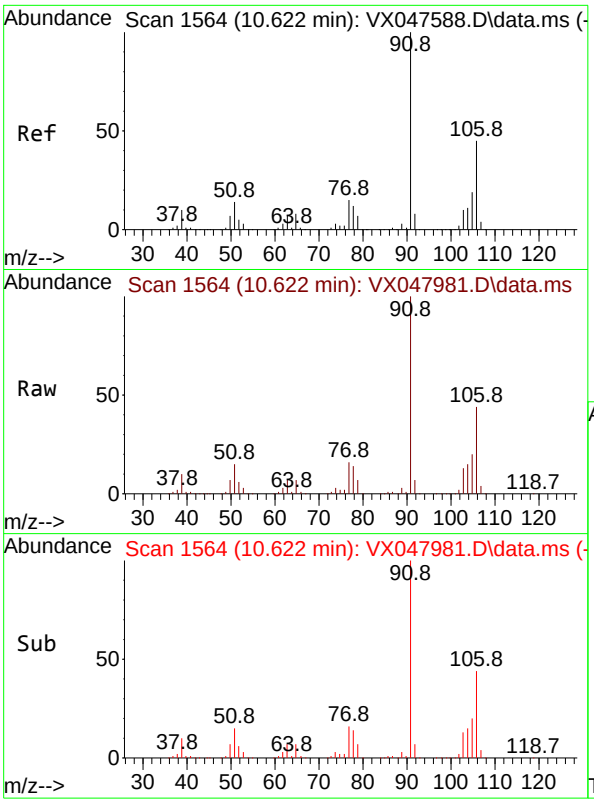


#68
m/p-Xylenes
Concen: 105.878 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:106 Resp: 322983

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.8	251.8



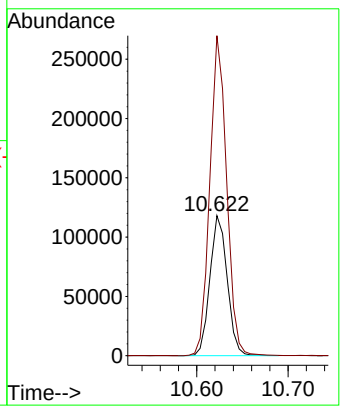


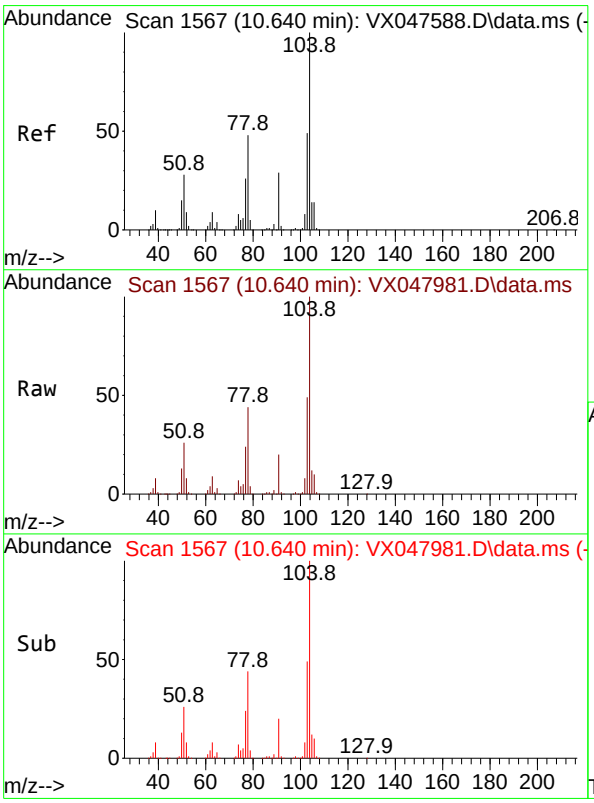
#69
o-Xylene
Concen: 52.537 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 155012

Ion	Ratio	Lower	Upper
106	100		
91	222.1	111.1	333.4

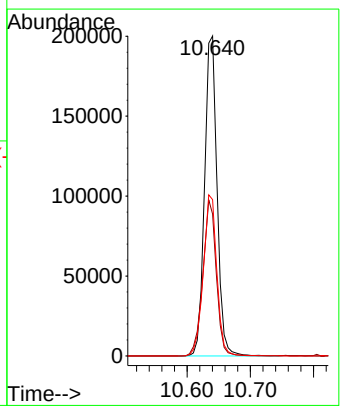


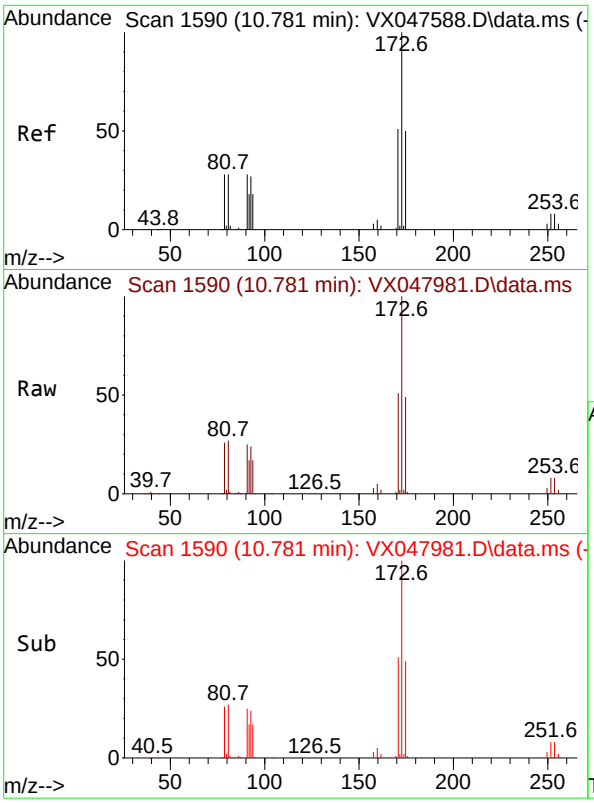


#70
Styrene
Concen: 53.373 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:104 Resp: 275937

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	54.5	43.1	64.7



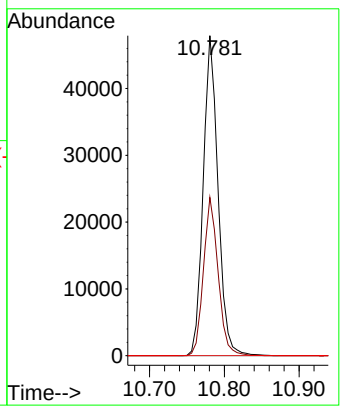


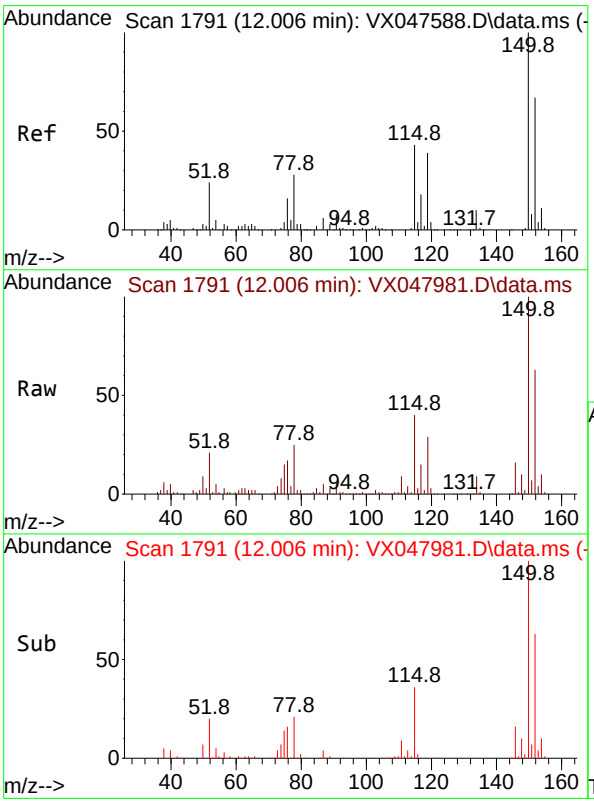
#71
Bromoform
Concen: 53.681 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 65700

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.6
254	0.0	0.1	0.1#

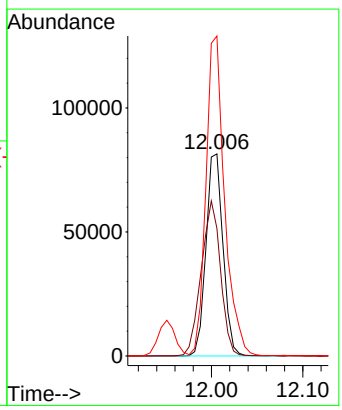


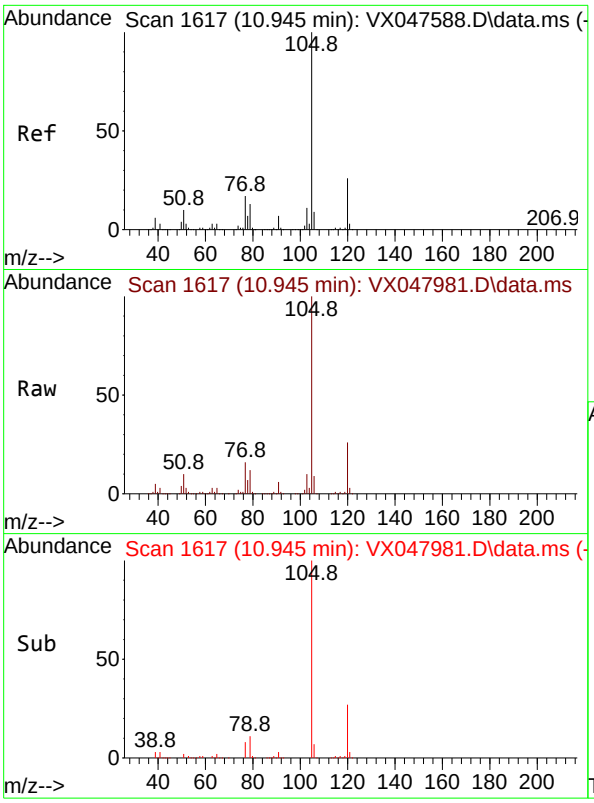


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:152 Resp: 105470

Ion	Ratio	Lower	Upper
152	100		
115	87.2	44.9	134.5
150	173.4	0.0	352.0



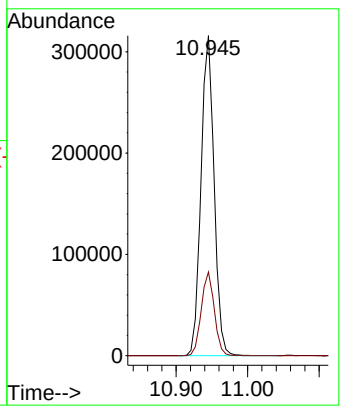


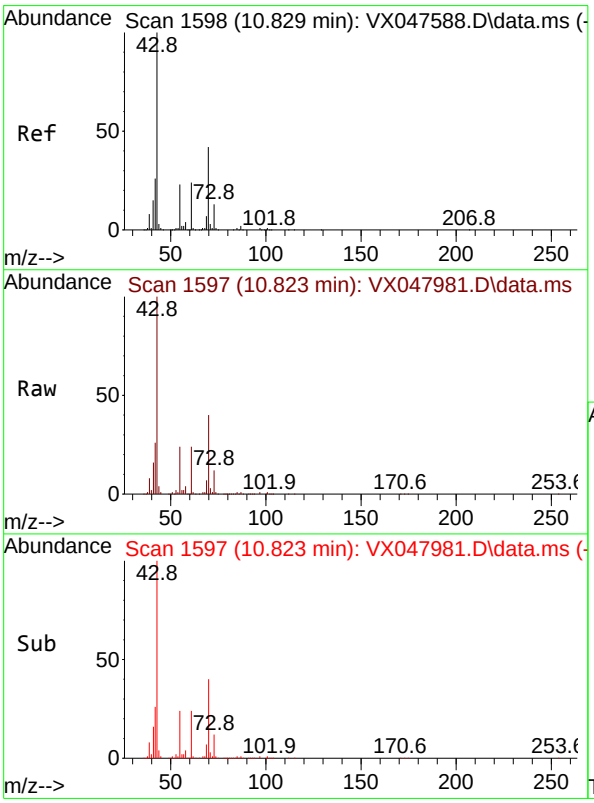
#73
Isopropylbenzene
Concen: 50.056 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 401376

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

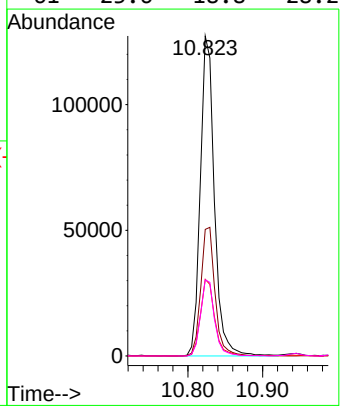


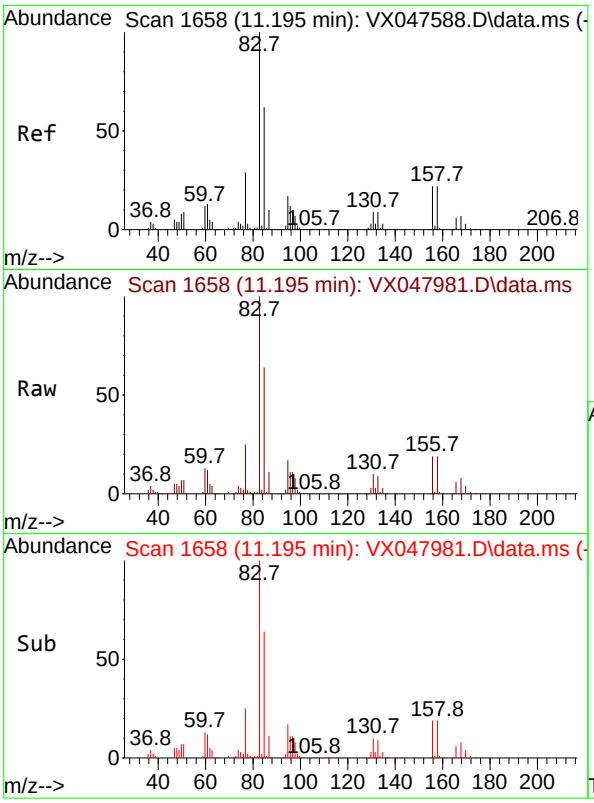


#74
N-amyl acetate
Concen: 45.625 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 166829

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.0	48.0
55	24.4	18.9	28.3
61	23.6	18.8	28.2



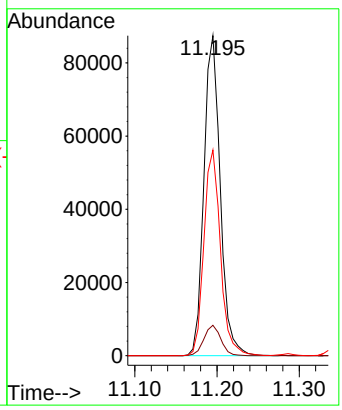


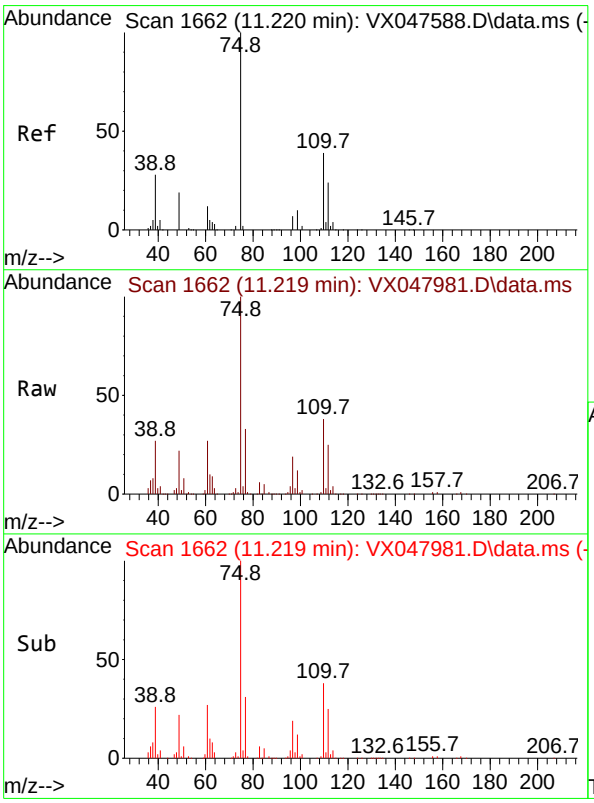
#75
1,1,2,2-Tetrachloroethane
Concen: 49.831 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 120891

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.0	31.6	95.0

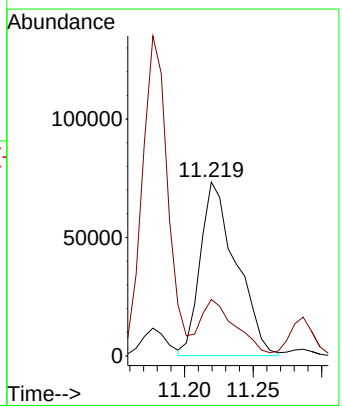


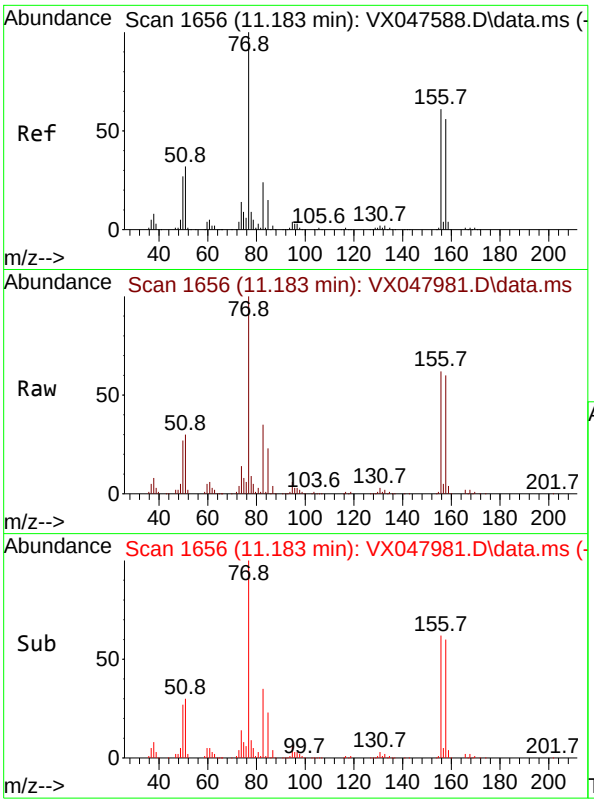


#76
1,2,3-Trichloropropane
Concen: 62.668 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 133824

Ion	Ratio	Lower	Upper
75	100		
77	32.5	18.8	56.4



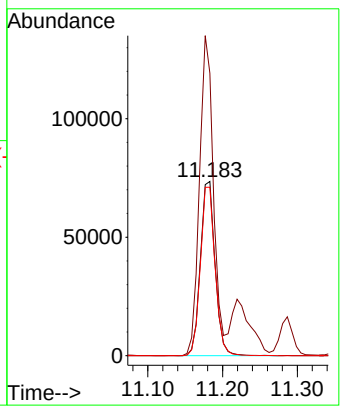


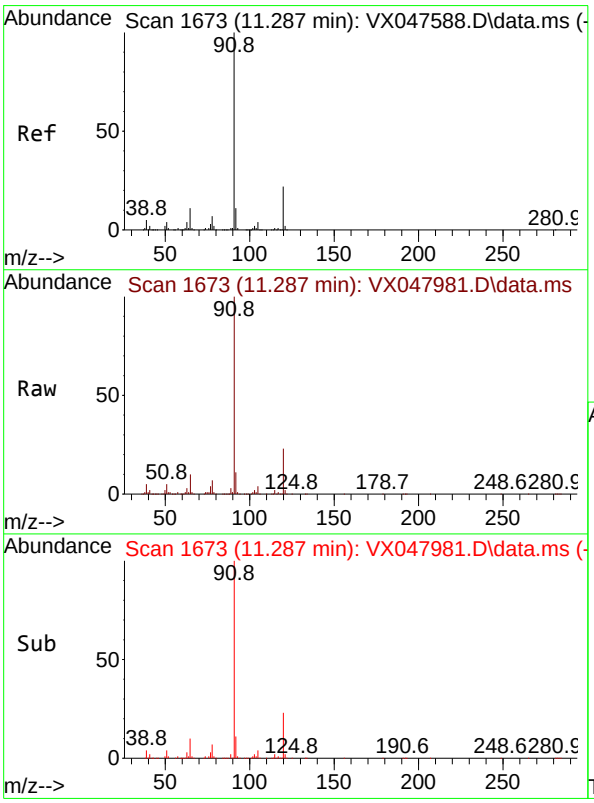
#77
Bromobenzene
Concen: 50.659 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 100047

Ion	Ratio	Lower	Upper
156	100		
77	173.7	89.7	269.1
158	97.4	47.9	143.6

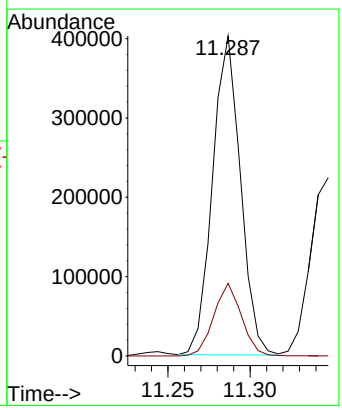


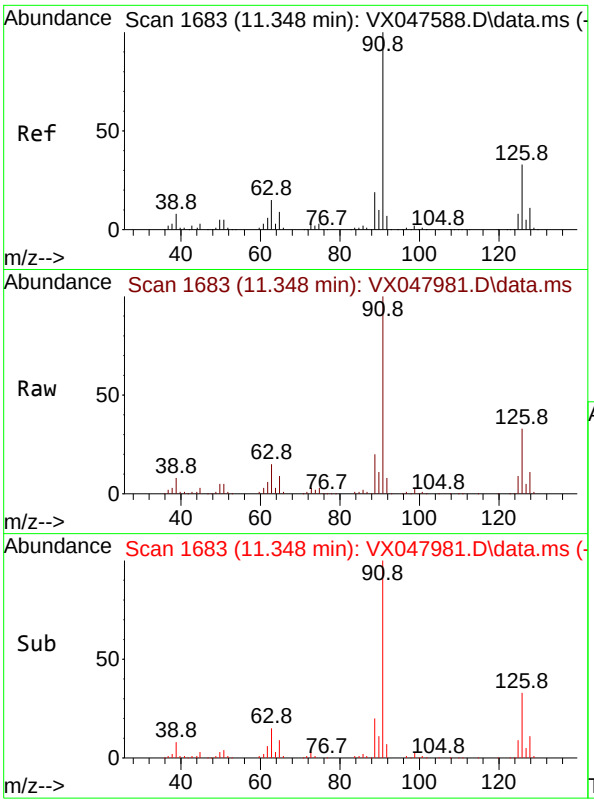


#78
n-propylbenzene
Concen: 50.135 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 475224

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



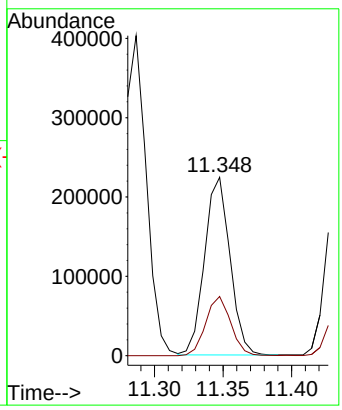


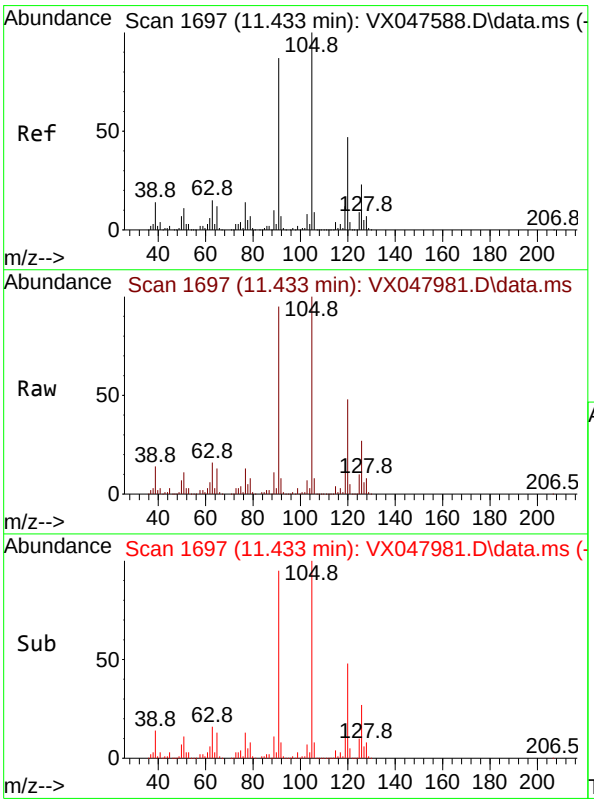
#79
2-Chlorotoluene
Concen: 49.740 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 288770

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

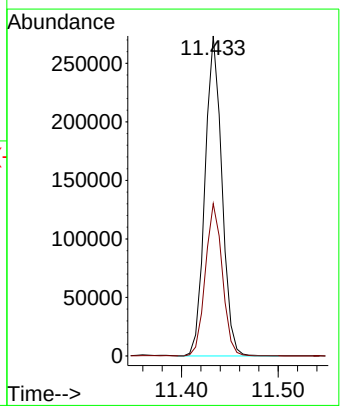


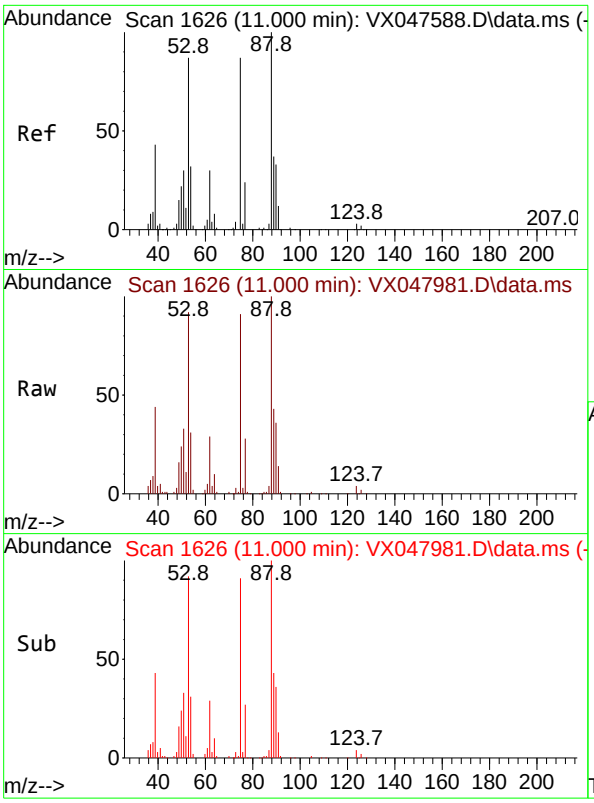


#80
1,3,5-Trimethylbenzene
Concen: 50.525 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 332856

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8



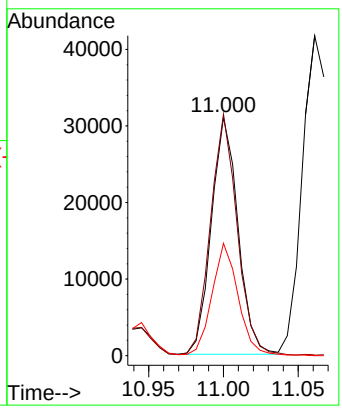


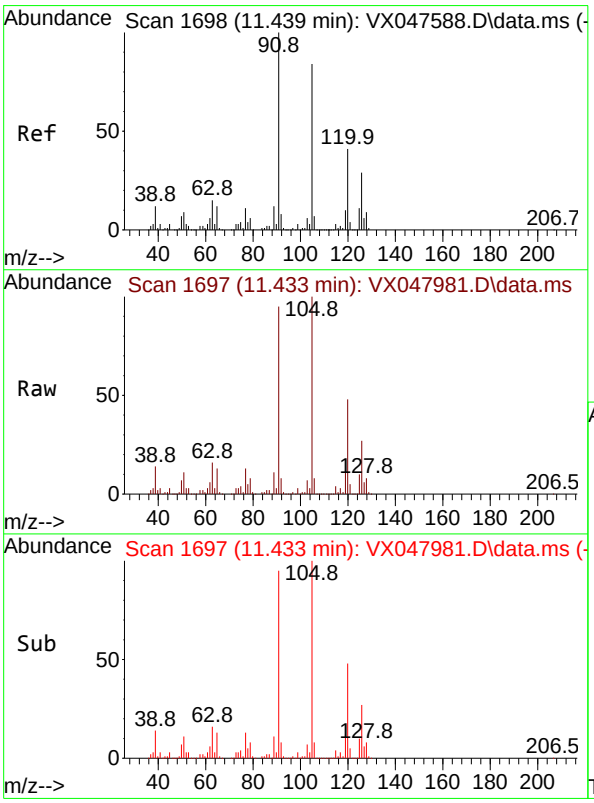
#81
trans-1,4-Dichloro-2-butene
Concen: 45.767 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 38324

Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	47.0	36.3	54.5

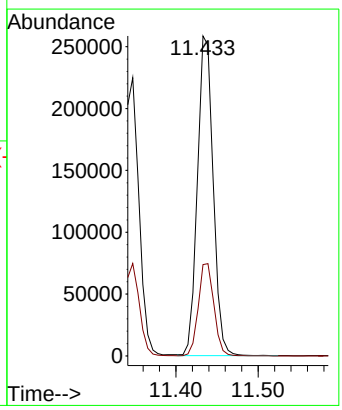


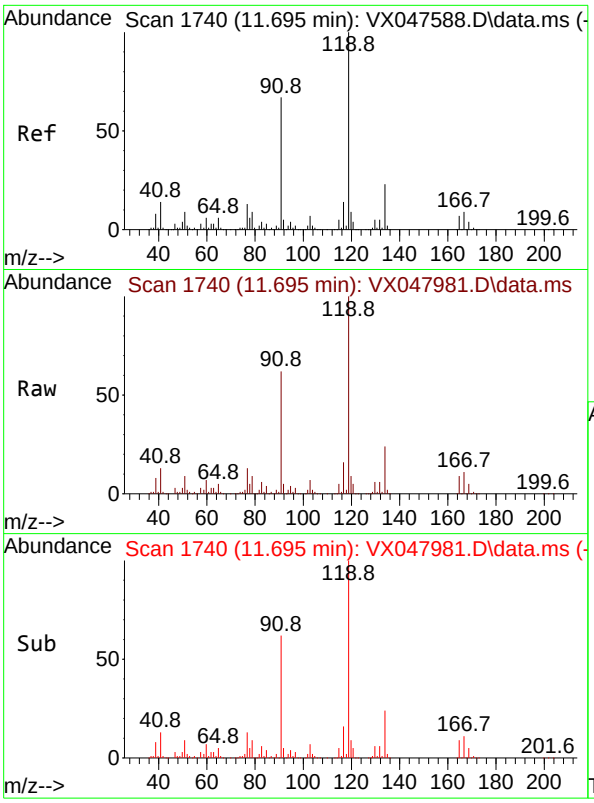


#82
4-Chlorotoluene
Concen: 50.228 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 344397

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



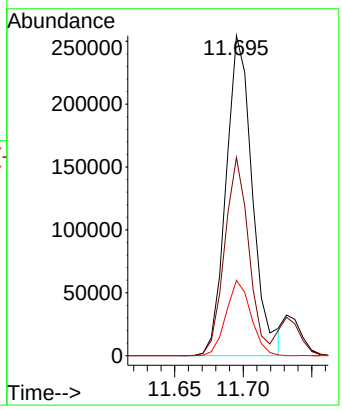


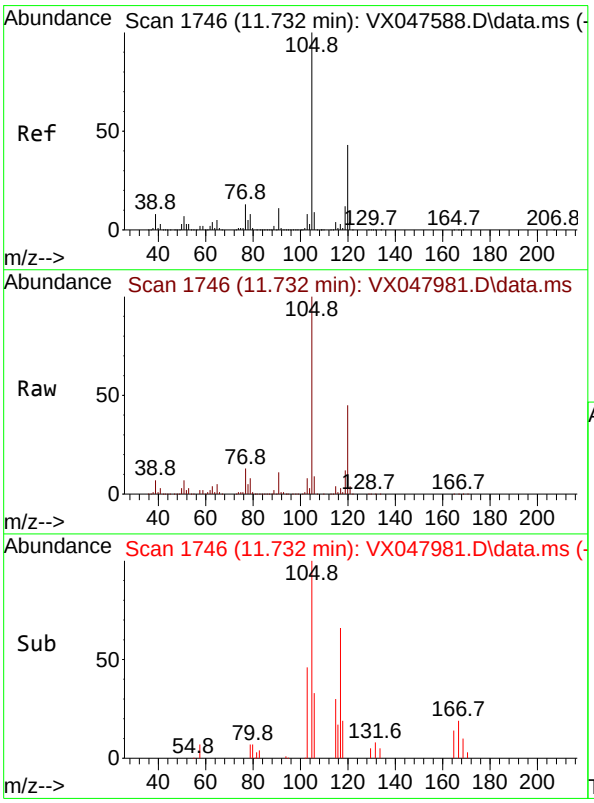
#83
tert-Butylbenzene
Concen: 50.571 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 341046

Ion	Ratio	Lower	Upper
119	100		
91	57.1	29.6	88.8
134	22.2	11.0	33.0

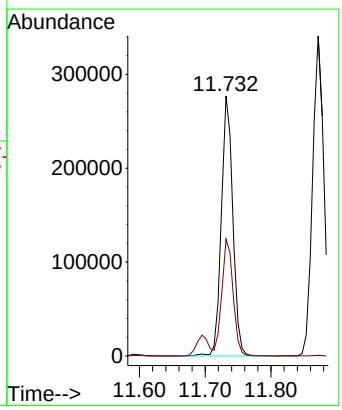


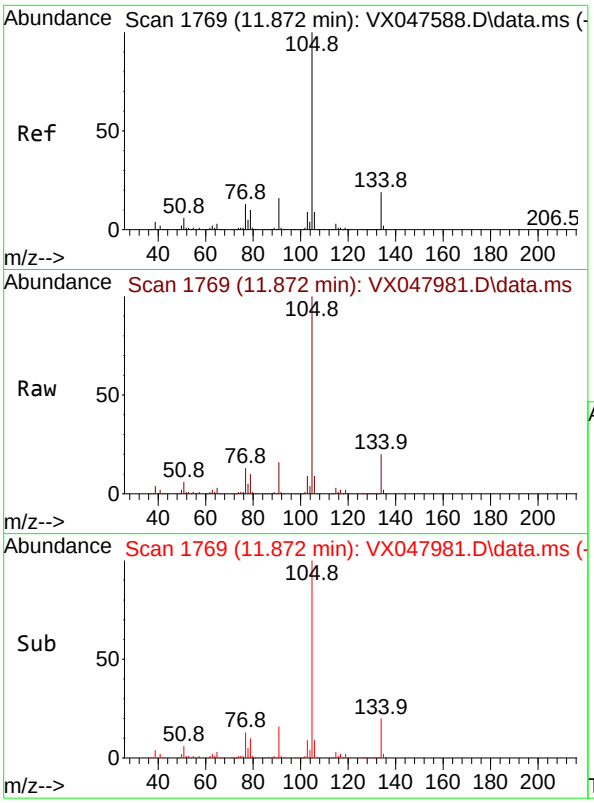


#84
1,2,4-Trimethylbenzene
Concen: 50.363 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 336380

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



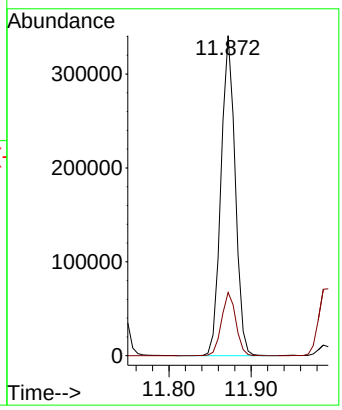


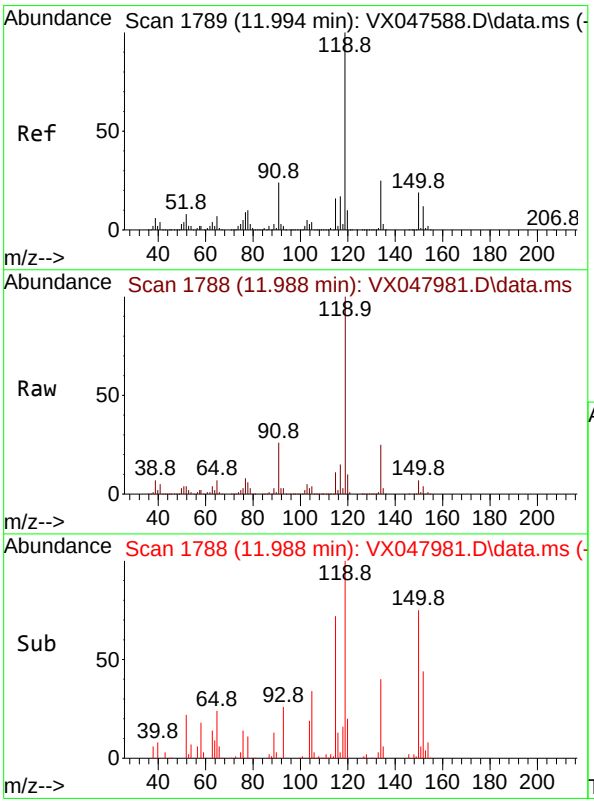
#85
sec-Butylbenzene
Concen: 51.049 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 408921

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

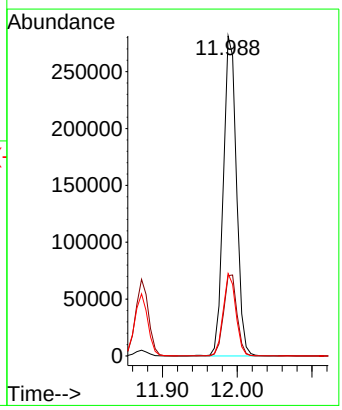


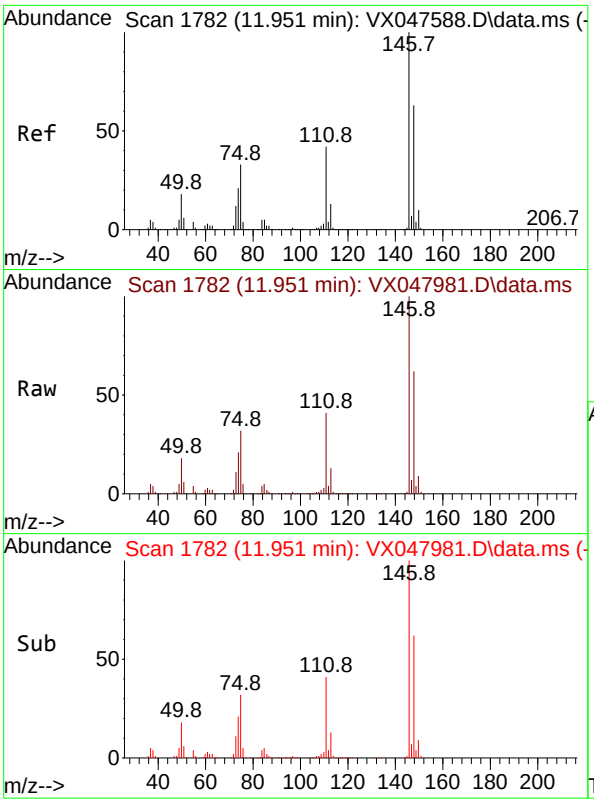


#86
p-Isopropyltoluene
Concen: 50.732 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:119 Resp: 344044

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.8	12.6	37.6



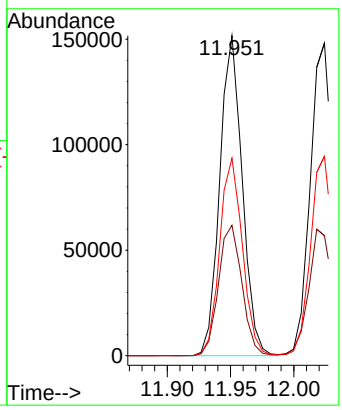


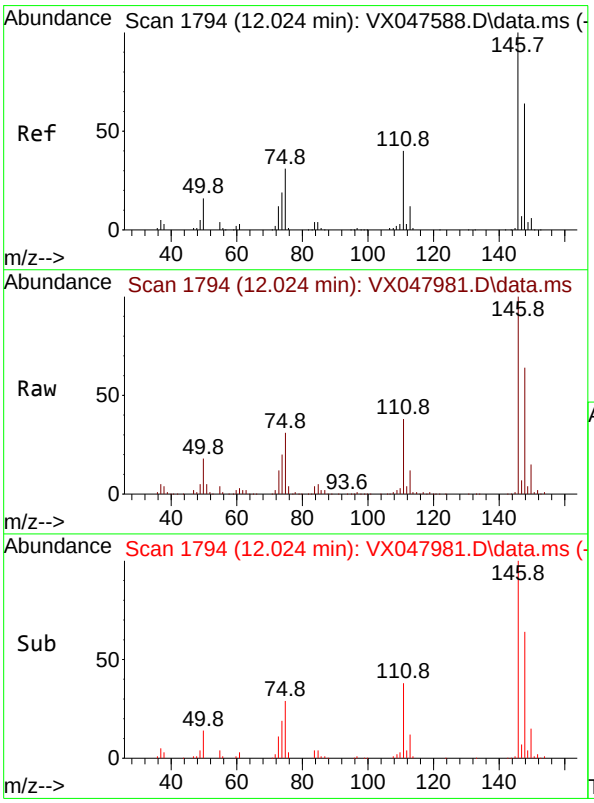
#87
1,3-Dichlorobenzene
Concen: 51.031 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 187193

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	62.6	32.0	96.0

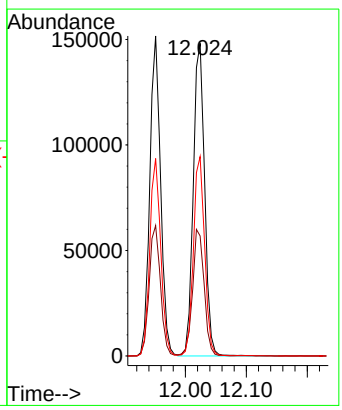


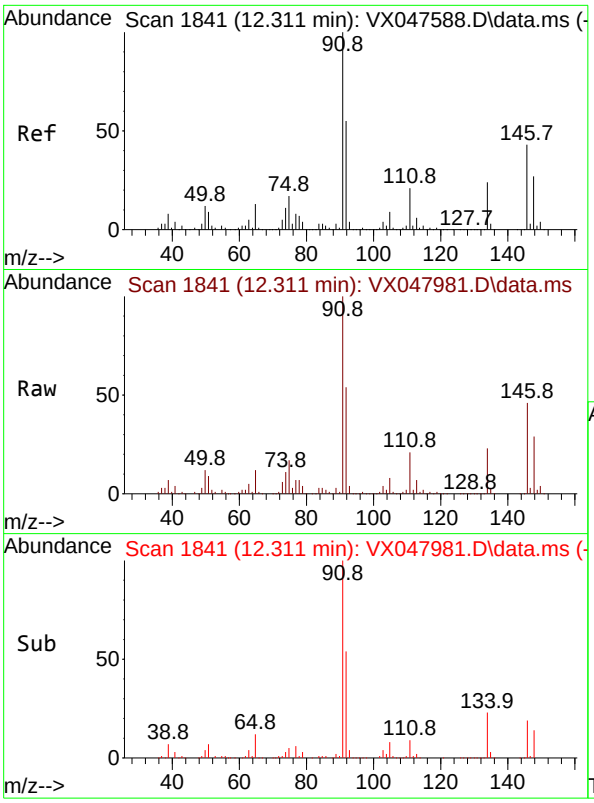


#88
1,4-Dichlorobenzene
Concen: 50.924 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 191722

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	62.7	31.7	95.1



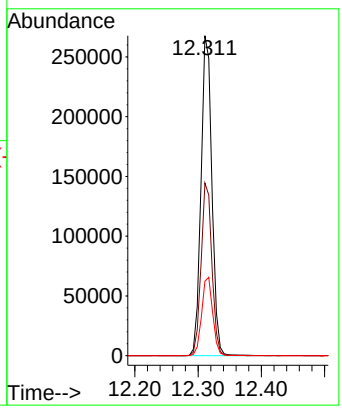


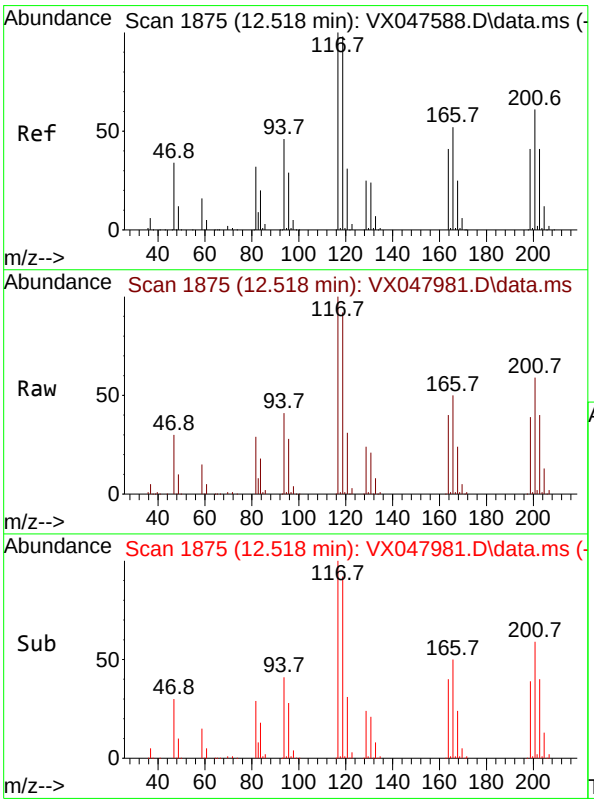
#89
n-Butylbenzene
Concen: 51.212 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 321357

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	24.8	12.6	37.8

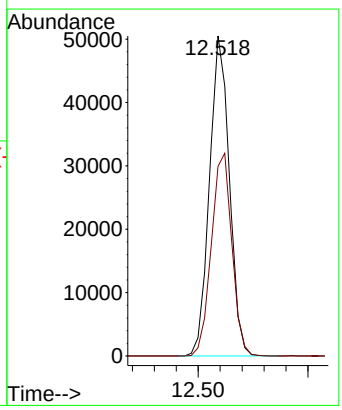


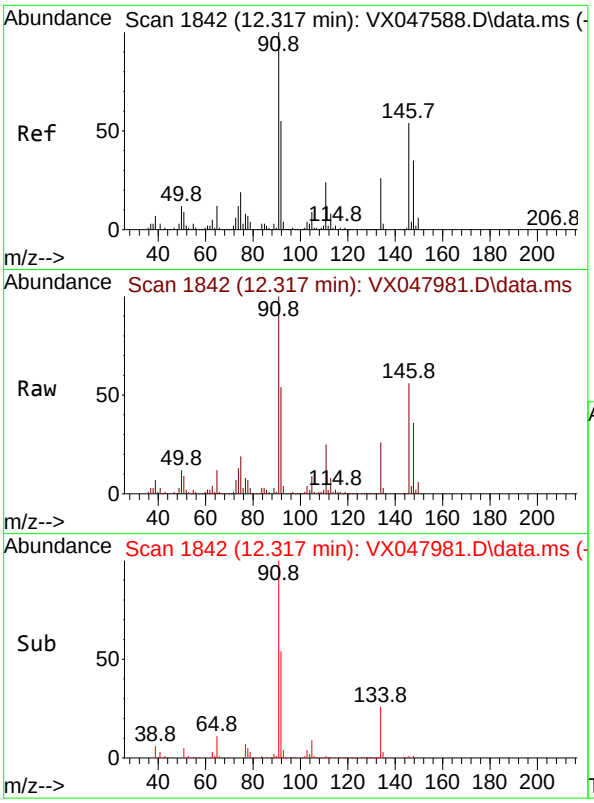


#90
Hexachloroethane
Concen: 53.310 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 63473

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5



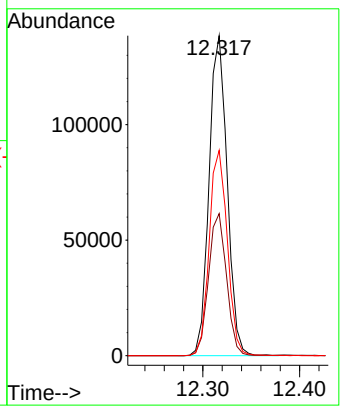


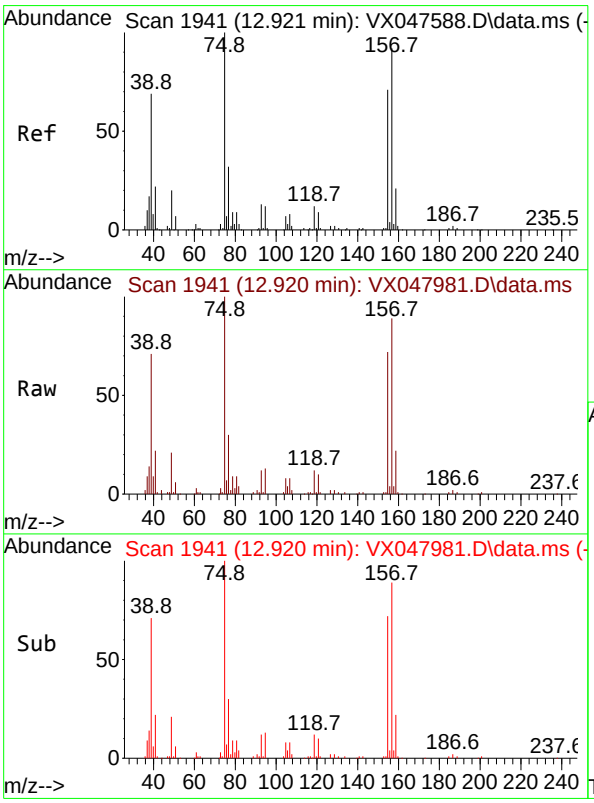
#91
1,2-Dichlorobenzene
Concen: 51.390 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 179594

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.4	31.8	95.4

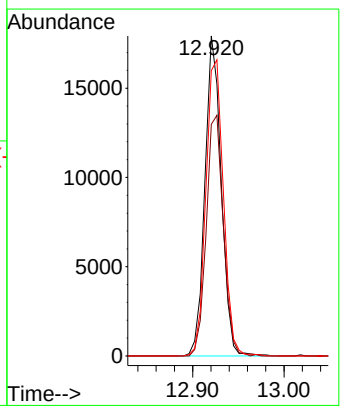


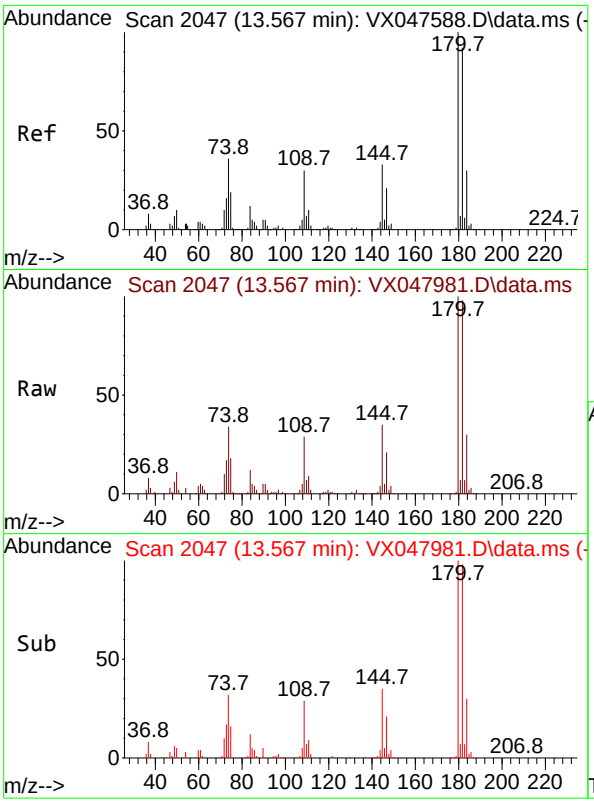


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.347 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 22273

Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.7	113.1
157	99.4	49.8	149.4



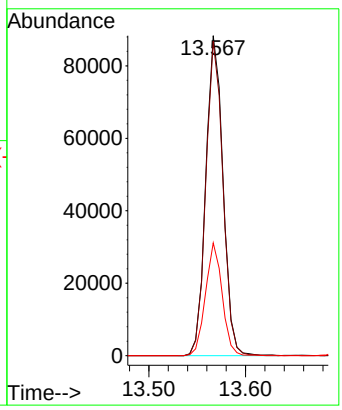


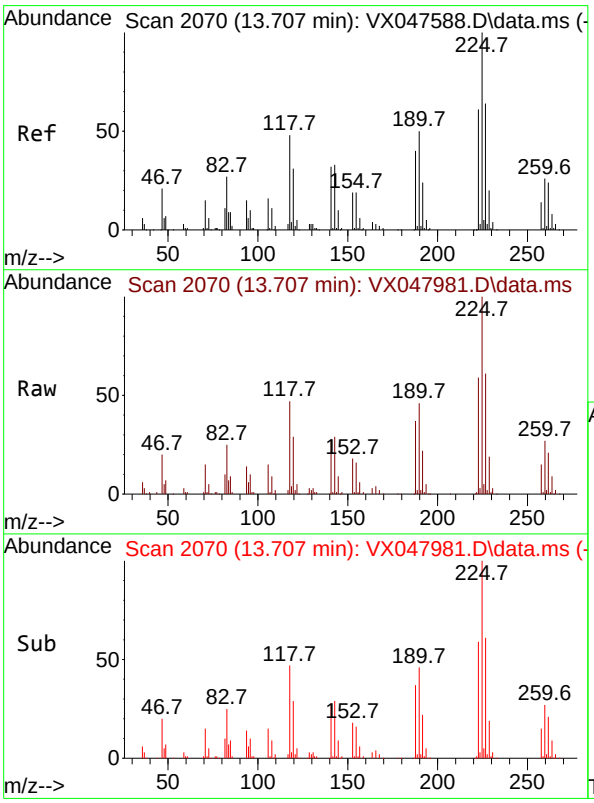
#93
1,2,4-Trichlorobenzene
Concen: 48.169 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 109403

Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	34.2	16.4	49.1

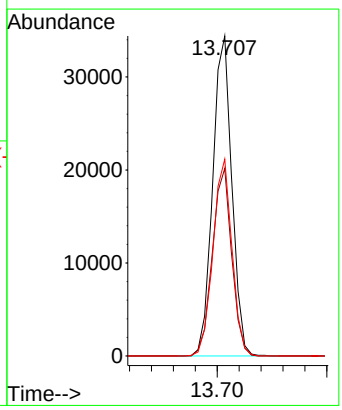


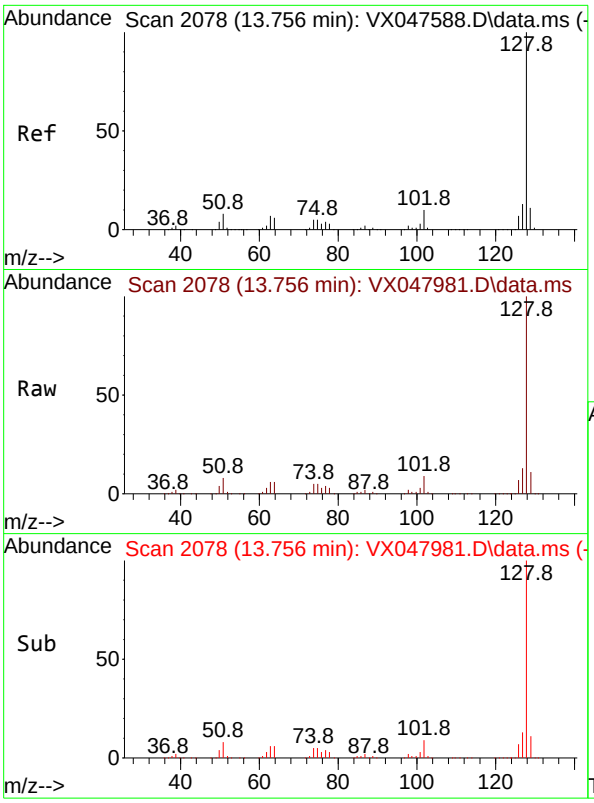


#94
Hexachlorobutadiene
Concen: 53.932 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:225 Resp: 41607

Ion	Ratio	Lower	Upper
225	100		
223	59.3	31.7	95.1
227	61.1	32.0	96.0



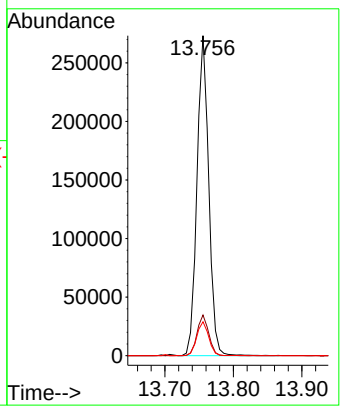


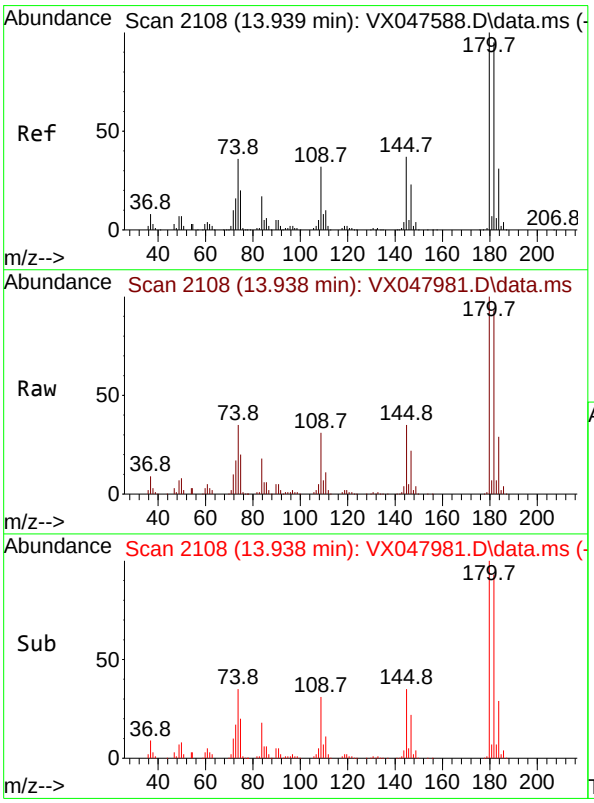
#95
Naphthalene
Concen: 47.116 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 325860

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

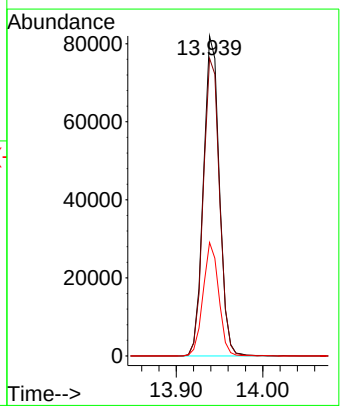




#96
1,2,3-Trichlorobenzene
Concen: 49.485 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:180 Resp: 104550

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	126673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	223242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	203303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107996	53.561	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.120%			
35) Dibromofluoromethane	5.367	113	82433	55.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.120%			
50) Toluene-d8	8.635	98	277687	53.602	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.061	95	106162	53.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	24581	18.740	ug/l	99
3) Chloromethane	1.301	50	29342	17.020	ug/l	96
4) Vinyl Chloride	1.380	62	30471	18.056	ug/l	99
5) Bromomethane	1.618	94	21736	20.312	ug/l	100
6) Chloroethane	1.697	64	20534	18.205	ug/l	99
7) Trichlorofluoromethane	1.898	101	47376	18.907	ug/l	95
8) Diethyl Ether	2.136	74	18804	18.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	28877	19.709	ug/l	98
10) Methyl Iodide	2.453	142	36576	16.007	ug/l	97
11) Tert butyl alcohol	2.934	59	17490	77.884	ug/l	95
12) 1,1-Dichloroethene	2.325	96	27340	18.166	ug/l	97
13) Acrolein	2.233	56	18482	89.311	ug/l	99
14) Allyl chloride	2.666	41	53719	17.297	ug/l	99
15) Acrylonitrile	3.056	53	80543	96.830	ug/l	98
16) Acetone	2.374	43	66049	75.338	ug/l	98
17) Carbon Disulfide	2.514	76	67602	16.408	ug/l	98
18) Methyl Acetate	2.697	43	38893	19.934	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	104908	19.095	ug/l	96
20) Methylene Chloride	2.788	84	36299	19.560	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	30041	18.540	ug/l	97
22) Diisopropyl ether	3.751	45	121631	20.209	ug/l	97
23) Vinyl Acetate	3.709	43	455775	94.616	ug/l	100
24) 1,1-Dichloroethane	3.599	63	63044	19.707	ug/l	99
25) 2-Butanone	4.538	43	93517	85.515	ug/l	100
26) 2,2-Dichloropropane	4.465	77	47792	17.972	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	38365	19.334	ug/l	99
28) Bromochloromethane	4.885	49	28377	20.319	ug/l	100
29) Tetrahydrofuran	4.983	42	59475	90.406	ug/l	99
30) Chloroform	5.074	83	65984	20.411	ug/l	95
31) Cyclohexane	5.452	56	45397	17.038	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54188	19.762	ug/l	99
36) 1,1-Dichloropropene	5.678	75	38668	17.675	ug/l	97
37) Ethyl Acetate	4.696	43	41660	17.785	ug/l	98
38) Carbon Tetrachloride	5.660	117	45275	19.047	ug/l	94
39) Methylcyclohexane	7.367	83	43965	17.704	ug/l	94
40) Benzene	6.019	78	130214	19.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	23709	19.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	51249	20.271	ug/l		98
43) Isopropyl Acetate	6.318	43	69942	18.206	ug/l		99
44) Trichloroethene	7.111	130	30783	19.162	ug/l		91
45) 1,2-Dichloropropane	7.415	63	34658	20.370	ug/l		98
46) Dibromomethane	7.568	93	25268	20.408	ug/l		99
47) Bromodichloromethane	7.806	83	53374	20.890	ug/l		99
48) Methyl methacrylate	7.678	41	33882	17.706	ug/l		98
49) 1,4-Dioxane	7.641	88	7806	403.637	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	205051	96.266	ug/l		98
52) Toluene	8.702	92	79425	19.401	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	50330	19.312	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	54652	19.620	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	33013	20.914	ug/l		98
56) Ethyl methacrylate	9.098	69	47680	19.233	ug/l		96
57) 1,3-Dichloropropane	9.293	76	57474	21.195	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	119833	108.060	ug/l		99
59) 2-Hexanone	9.415	43	135325	88.459	ug/l		100
60) Dibromochloromethane	9.506	129	38514	21.175	ug/l		99
61) 1,2-Dibromoethane	9.592	107	33310	20.717	ug/l		98
64) Tetrachloroethene	9.256	164	24781	18.698	ug/l		93
65) Chlorobenzene	10.061	112	89592	19.398	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	32462	20.368	ug/l		99
67) Ethyl Benzene	10.177	91	149076	18.707	ug/l		98
68) m/p-Xylenes	10.287	106	112155	37.811	ug/l		100
69) o-Xylene	10.622	106	54811	19.105	ug/l		99
70) Styrene	10.640	104	95723	19.042	ug/l		98
71) Bromoform	10.781	173	23667	19.887	ug/l	#	100
73) Isopropylbenzene	10.945	105	141532	18.272	ug/l		100
74) N-amyl acetate	10.829	43	59525	16.852	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	46242	19.732	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	48706	23.611	ug/l		90
77) Bromobenzene	11.183	156	36018	18.879	ug/l		97
78) n-propylbenzene	11.287	91	166982	18.236	ug/l		99
79) 2-Chlorotoluene	11.348	91	103483	18.452	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	117466	18.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12900	15.947	ug/l		97
82) 4-Chlorotoluene	11.439	91	122332	18.469	ug/l		100
83) tert-Butylbenzene	11.695	119	119792	18.388	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	118395	18.350	ug/l		98
85) sec-Butylbenzene	11.872	105	144326	18.651	ug/l		100
86) p-Isopropyltoluene	11.988	119	121030	18.475	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	67091	18.933	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	68424	18.814	ug/l		99
89) n-Butylbenzene	12.317	91	111009	18.313	ug/l		99
90) Hexachloroethane	12.518	117	21335	18.549	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	63888	18.924	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7777	16.391	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	38307	17.459	ug/l		99
94) Hexachlorobutadiene	13.707	225	14383	19.299	ug/l		98
95) Naphthalene	13.756	128	108339	16.216	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	36104	17.690	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

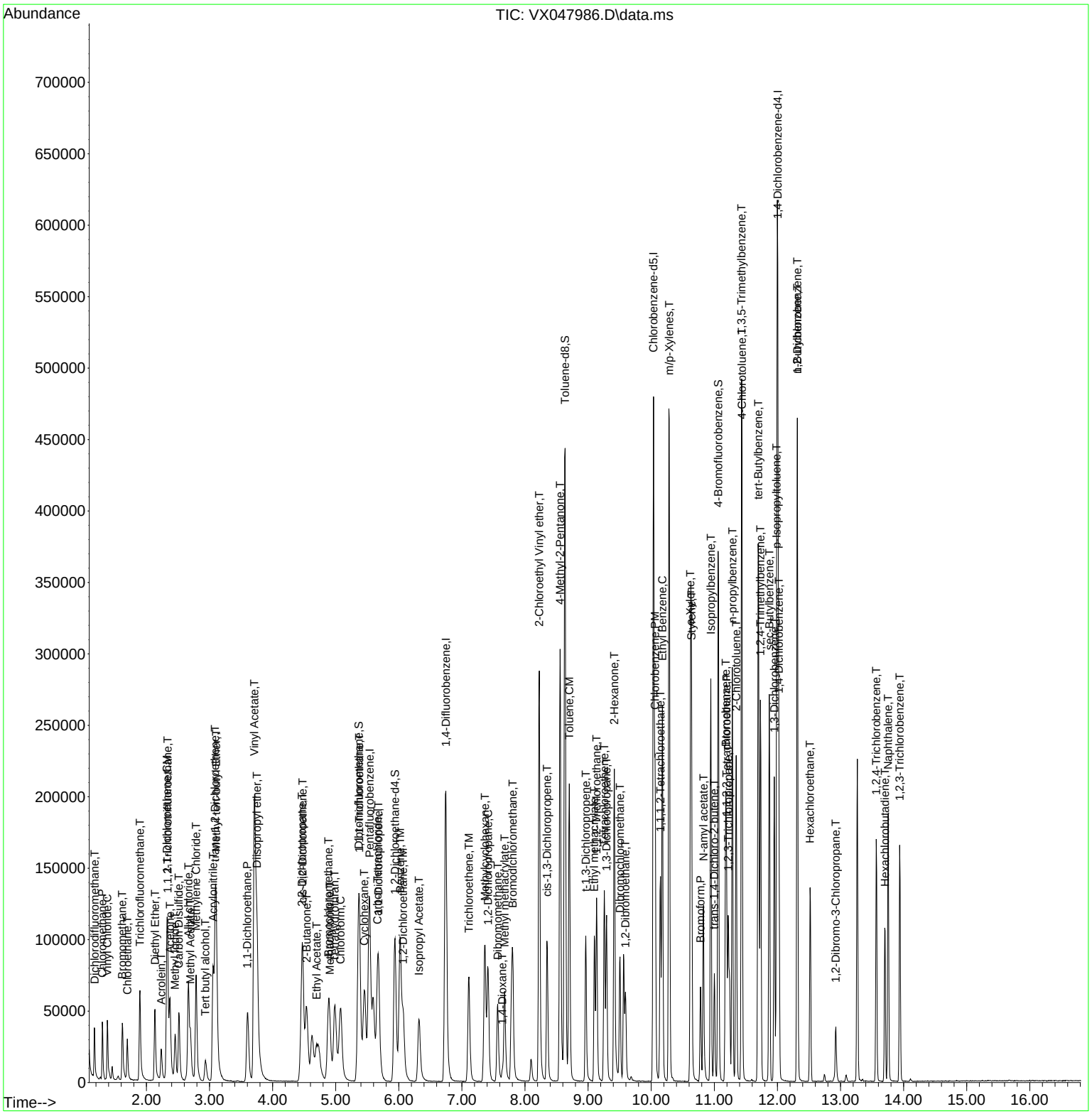
(#) = qualifier out of range (m) = manual integration (+) = signals summed

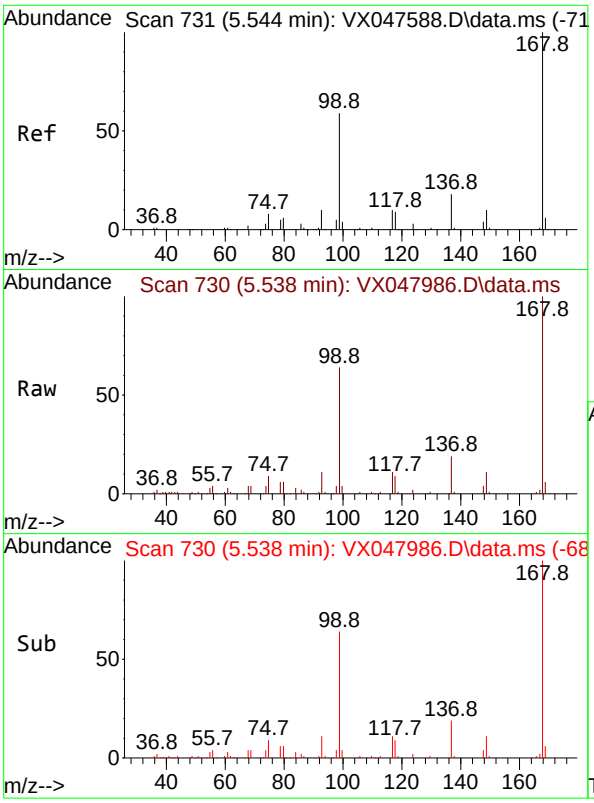
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



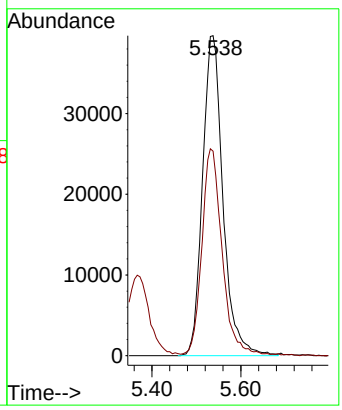


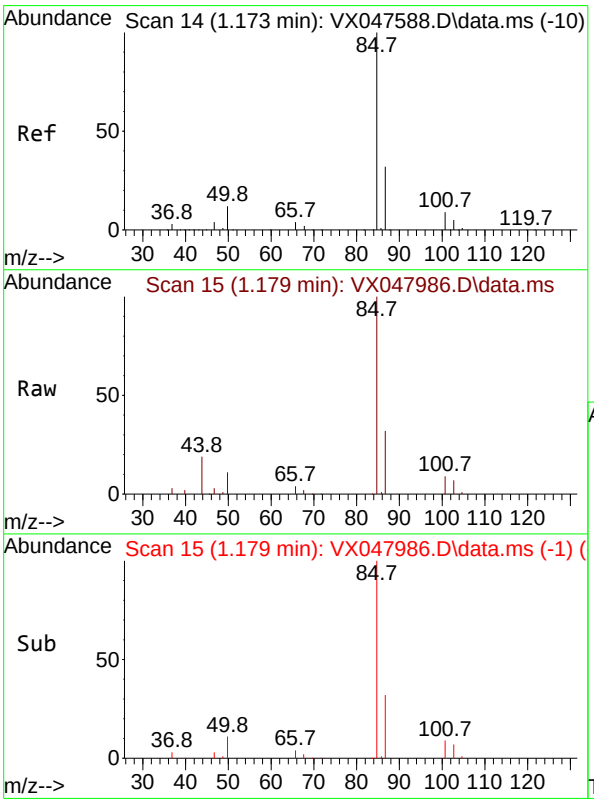
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:168 Resp: 126673

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.8	73.2

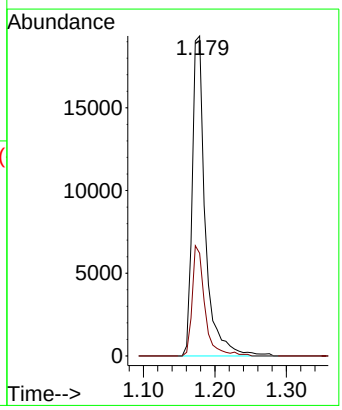


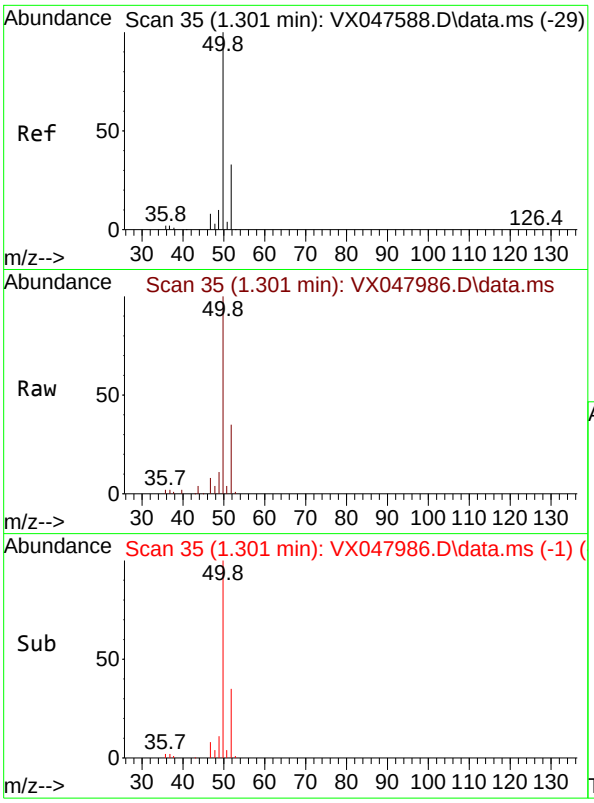


#2
Dichlorodifluoromethane
Concen: 18.740 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 85 Resp: 24581

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



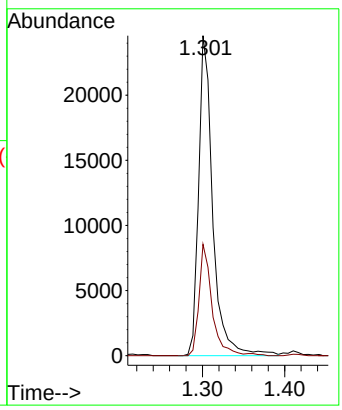


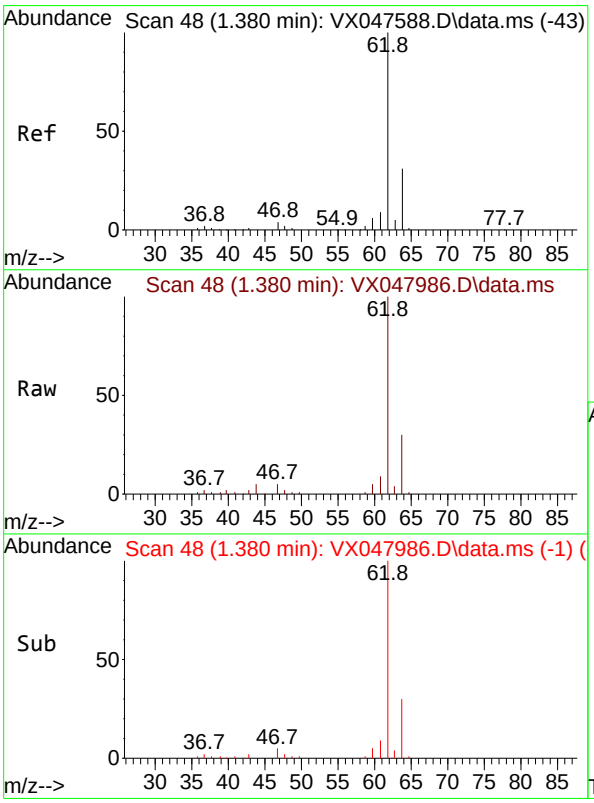
#3
Chloromethane
Concen: 17.020 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 50 Resp: 29342

Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.1	39.1

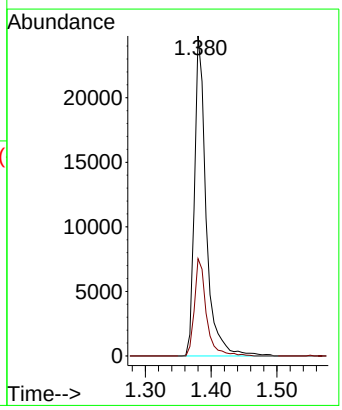


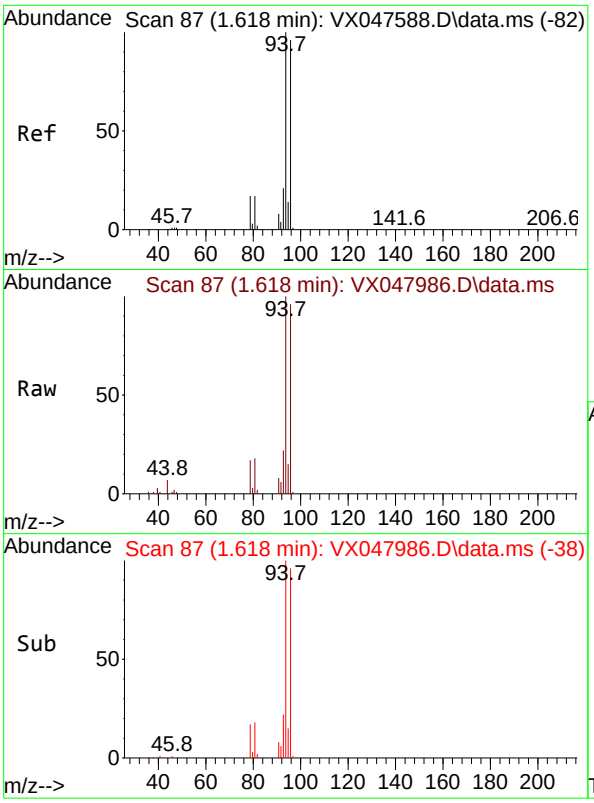


#4
Vinyl Chloride
Concen: 18.056 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 30471

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.9	37.3



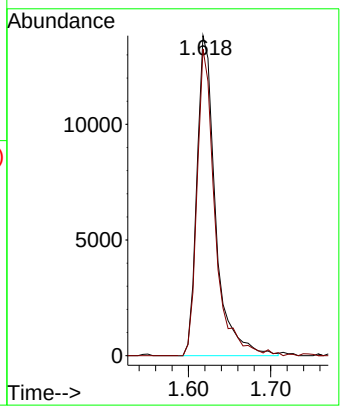


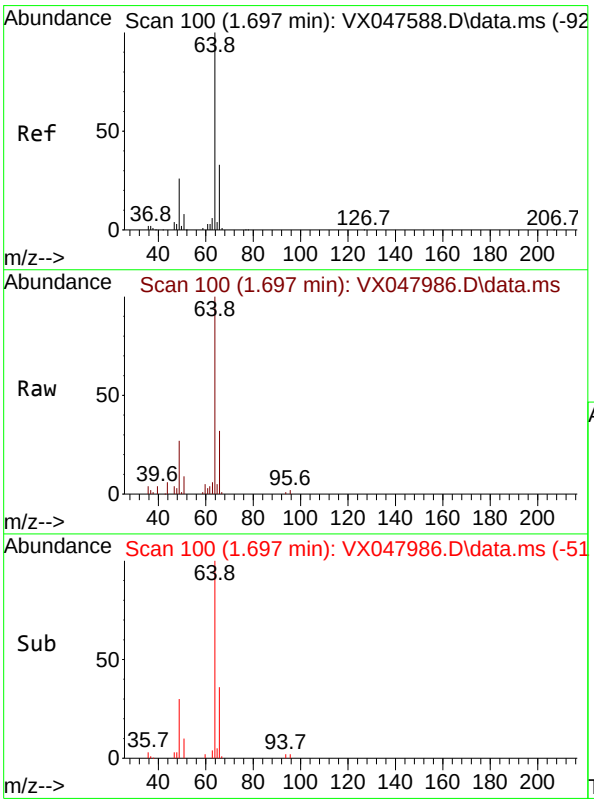
#5
Bromomethane
Concen: 20.312 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 94 Resp: 21736

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

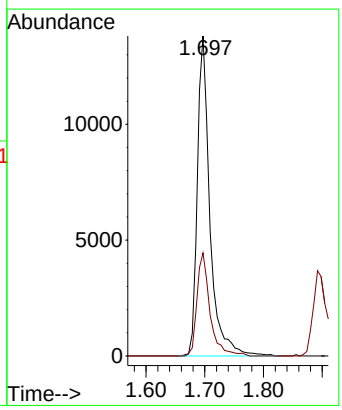


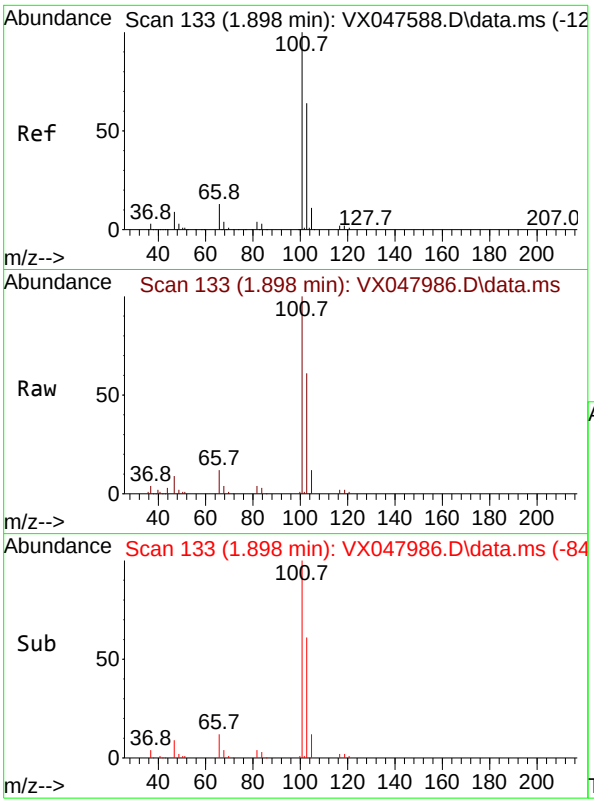


#6
Chloroethane
Concen: 18.205 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 64 Resp: 20534

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.1	39.1



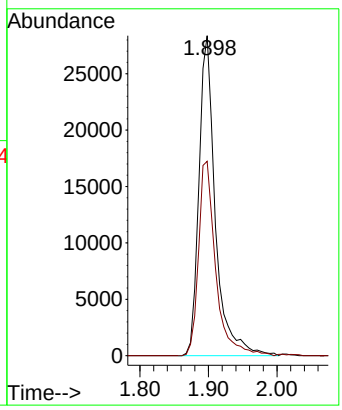


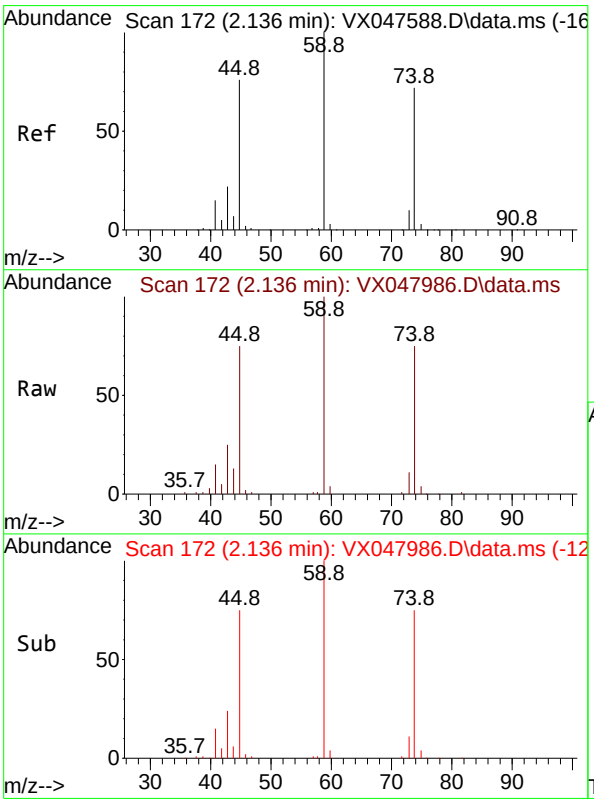
#7
Trichlorofluoromethane
Concen: 18.907 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:101 Resp: 47376

Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.4	77.2

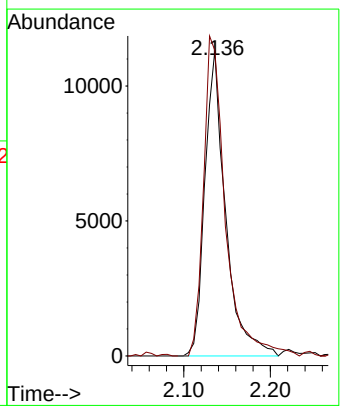


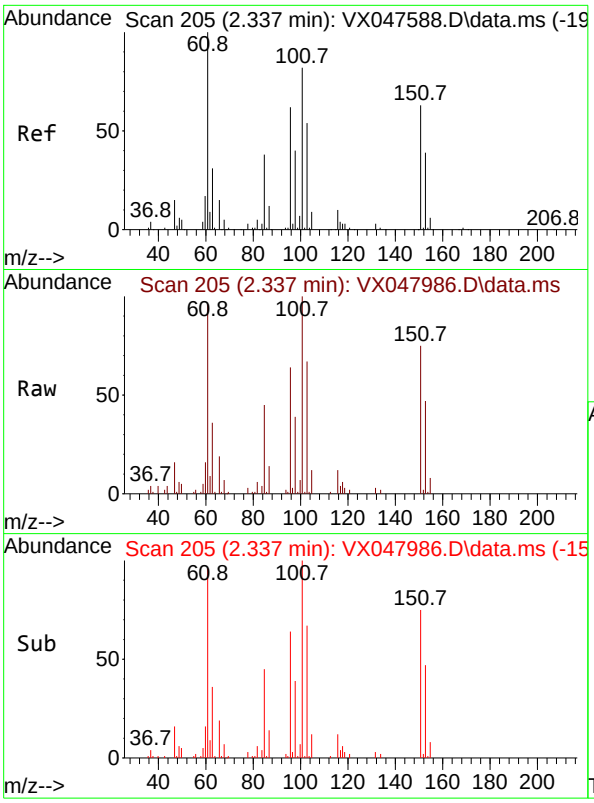


#8
Diethyl Ether
Concen: 18.345 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 74 Resp: 18804

Ion	Ratio	Lower	Upper
74	100		
45	110.2	52.3	156.8



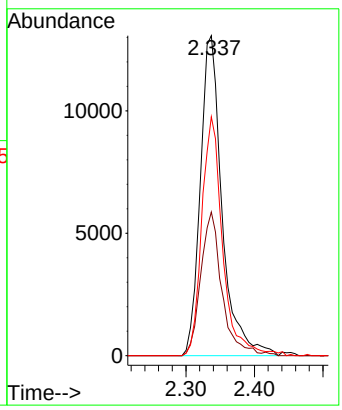


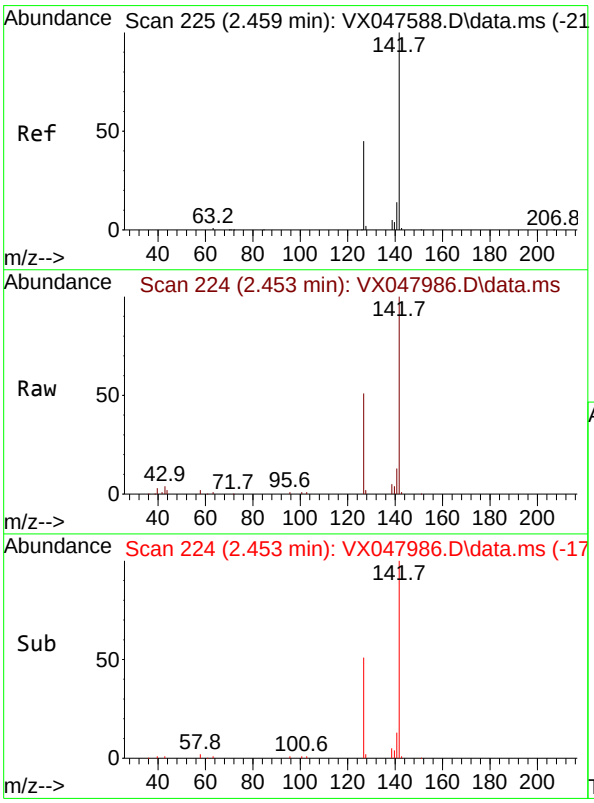
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.709 ug/l
RT: 2.337 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:101 Resp: 28877

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.5	53.3
151	71.7	59.4	89.0

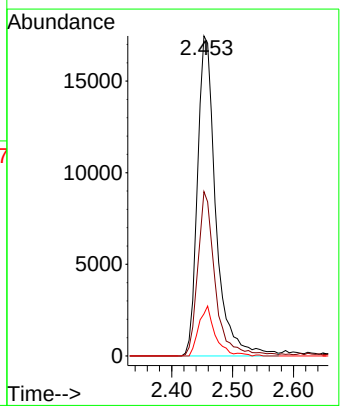


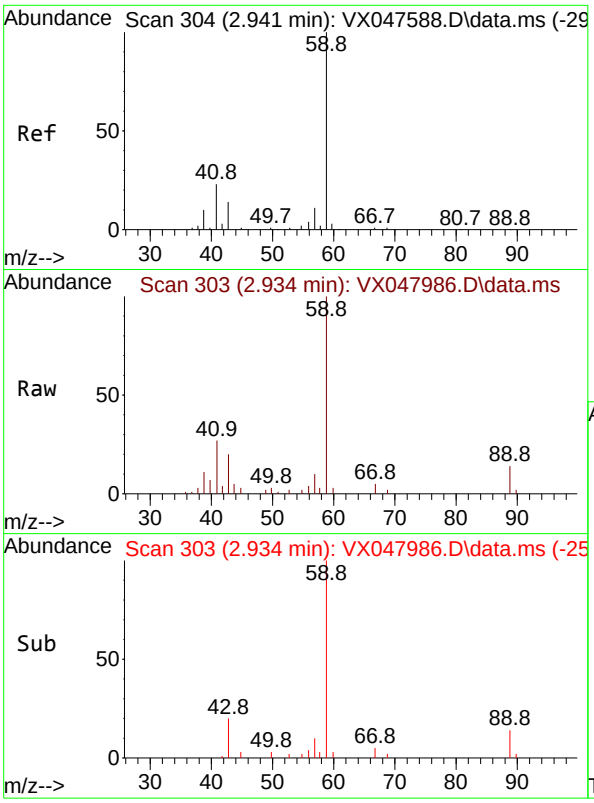


#10
Methyl Iodide
Concen: 16.007 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:142 Resp: 36576

Ion	Ratio	Lower	Upper
142	100		
127	48.9	37.2	55.8
141	14.0	11.4	17.0



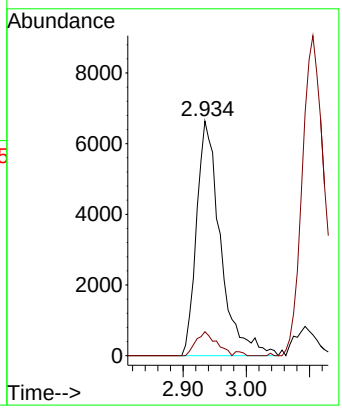


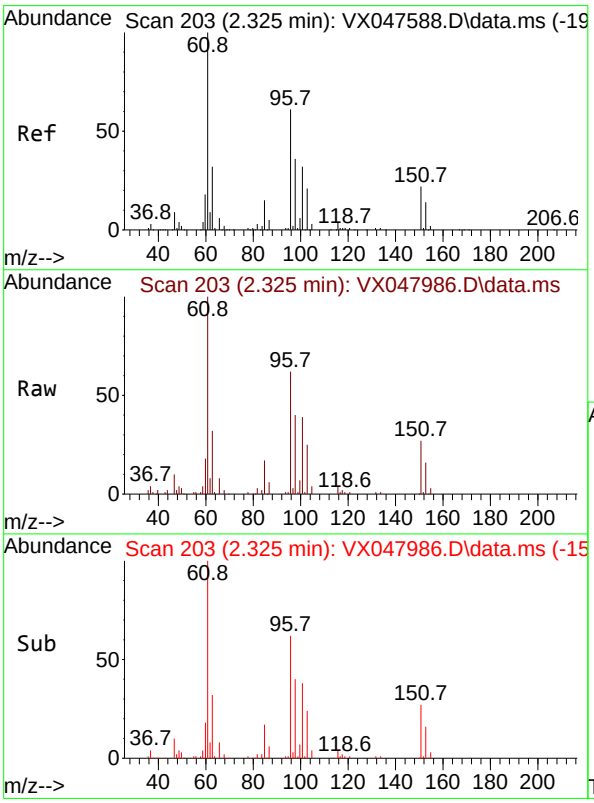
#11
Tert butyl alcohol
Concen: 77.884 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 59 Resp: 17490

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.3	12.5

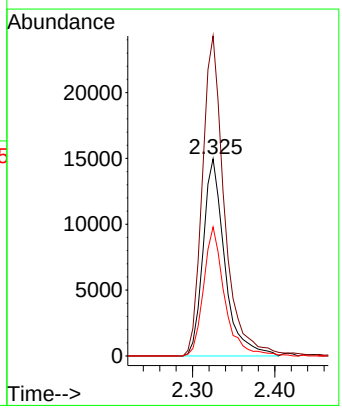


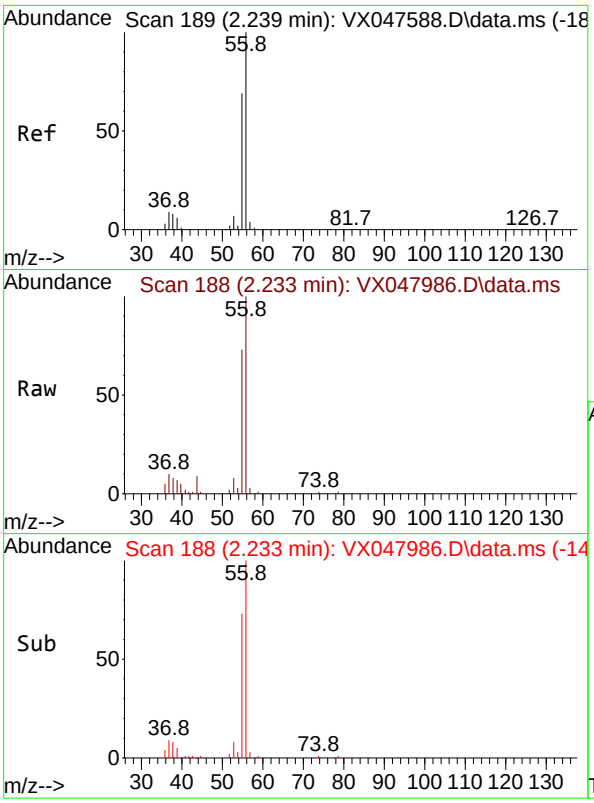


#12
1,1-Dichloroethene
Concen: 18.166 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 27340

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	65.4	47.7	71.5



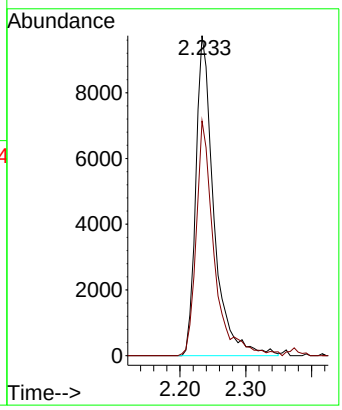


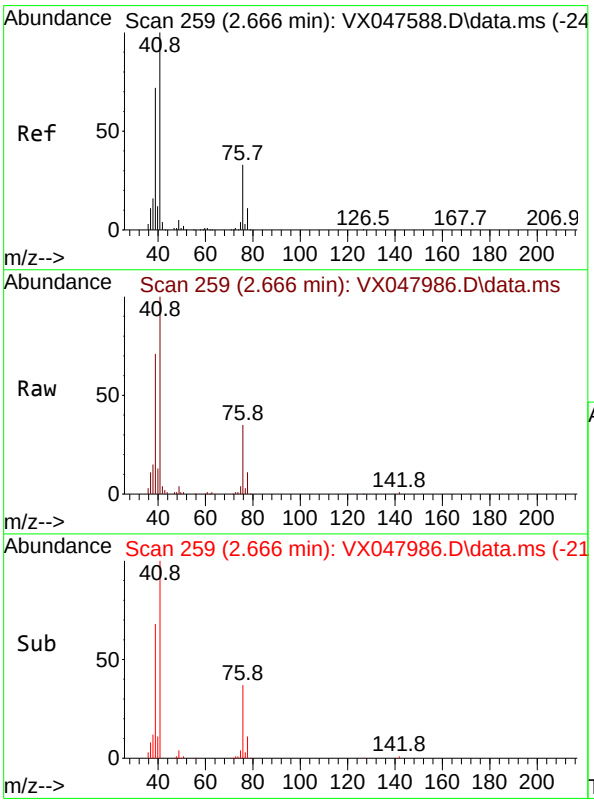
#13
Acrolein
Concen: 89.311 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 56 Resp: 18482

Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.2	85.8

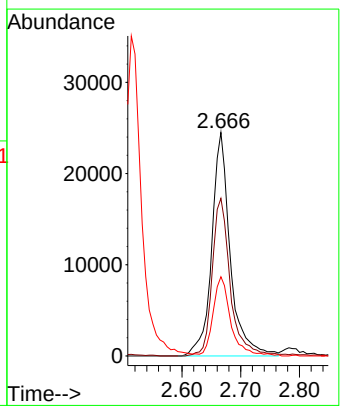


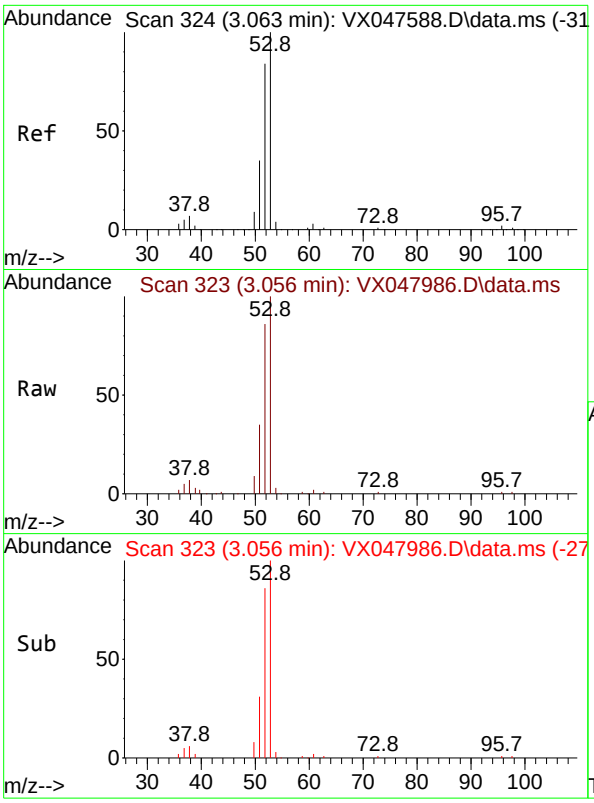


#14
Allyl chloride
Concen: 17.297 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 53719

Ion	Ratio	Lower	Upper
41	100		
39	68.9	54.7	82.1
76	33.7	25.7	38.5



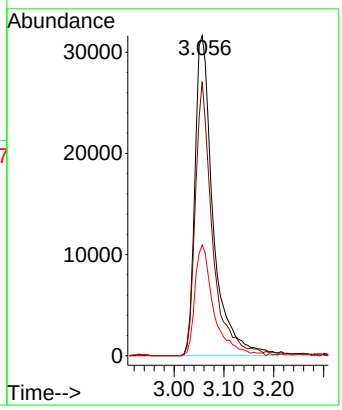


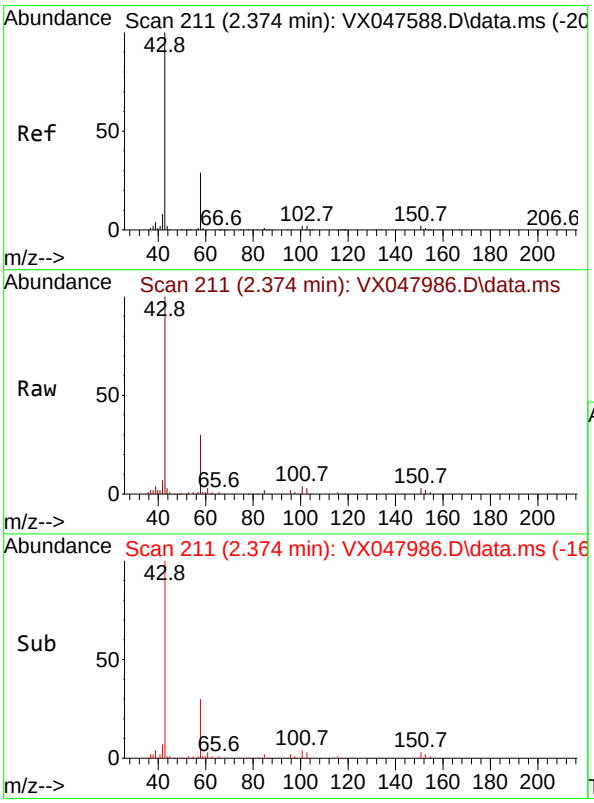
#15
Acrylonitrile
Concen: 96.830 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 53 Resp: 80543

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	35.8	29.5	44.3

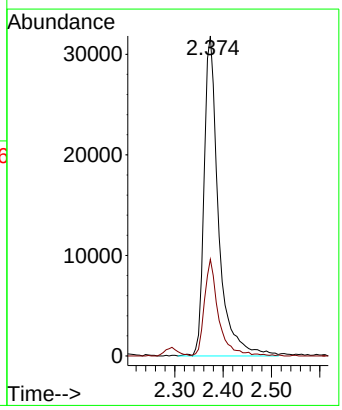


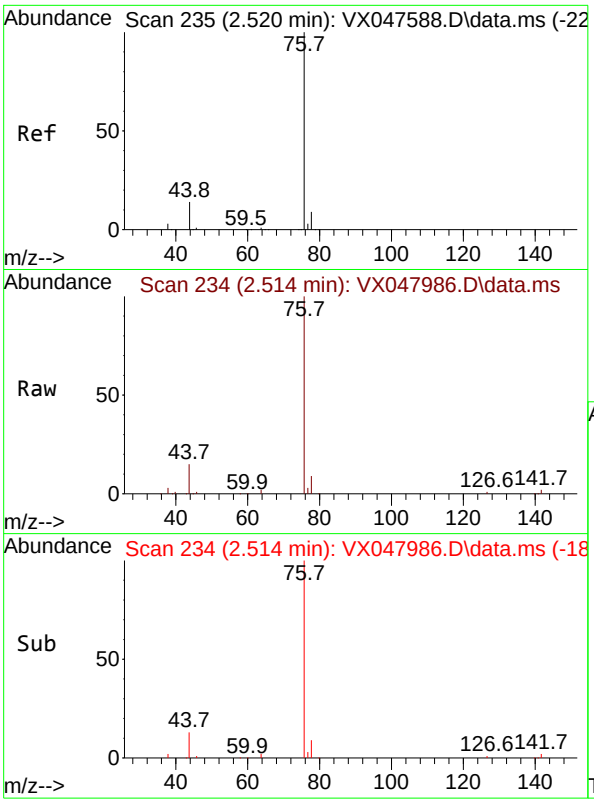


#16
Acetone
Concen: 75.338 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 66049

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0



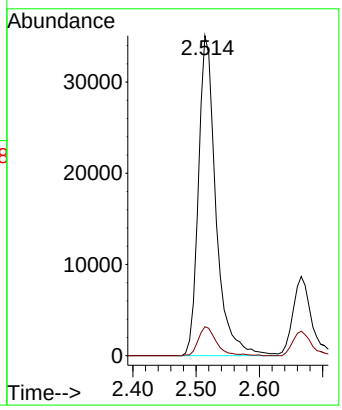


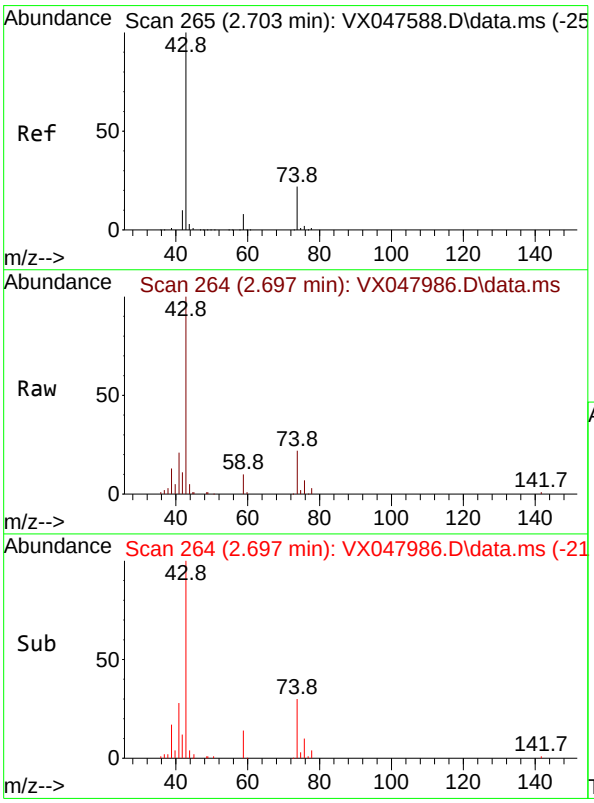
#17
Carbon Disulfide
Concen: 16.408 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 76 Resp: 67602

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

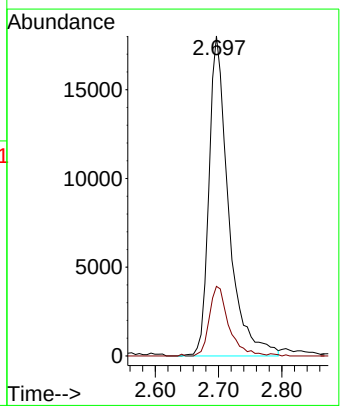


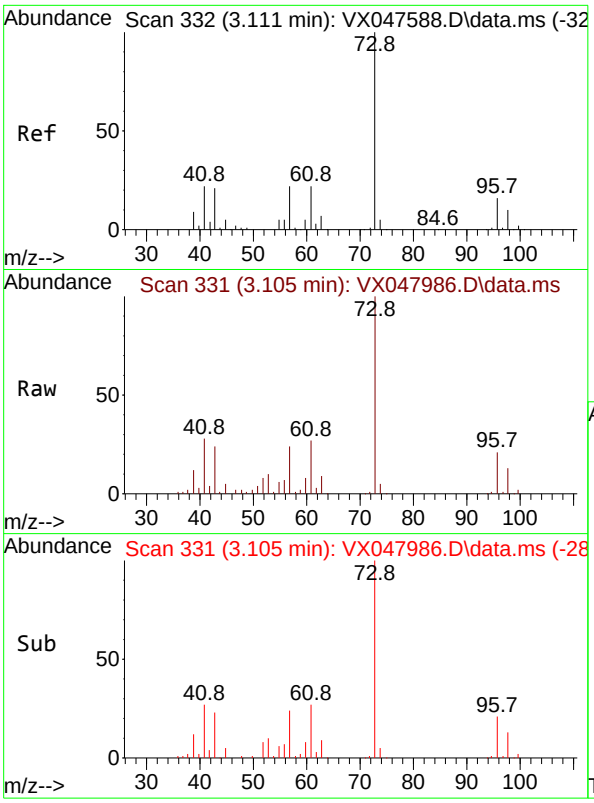


#18
Methyl Acetate
Concen: 19.934 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 38893

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.4	26.2



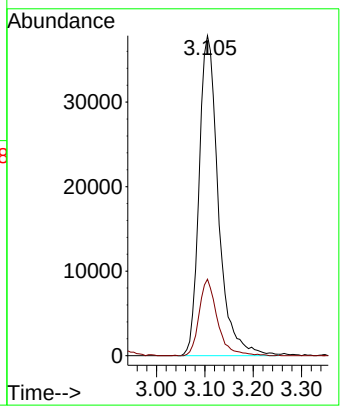


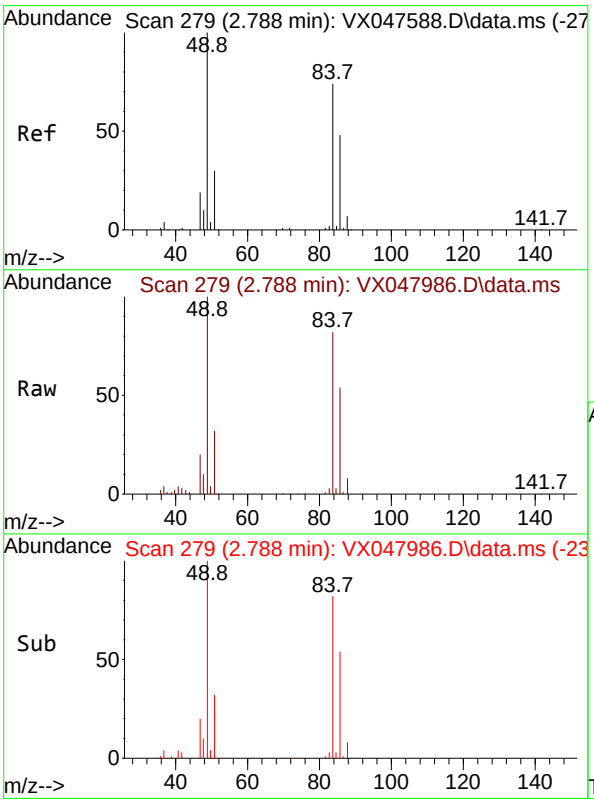
#19
Methyl tert-butyl Ether
Concen: 19.095 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 73 Resp: 104908

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.2

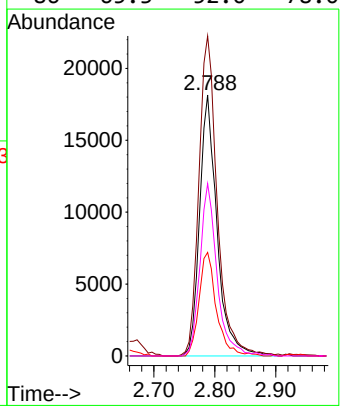


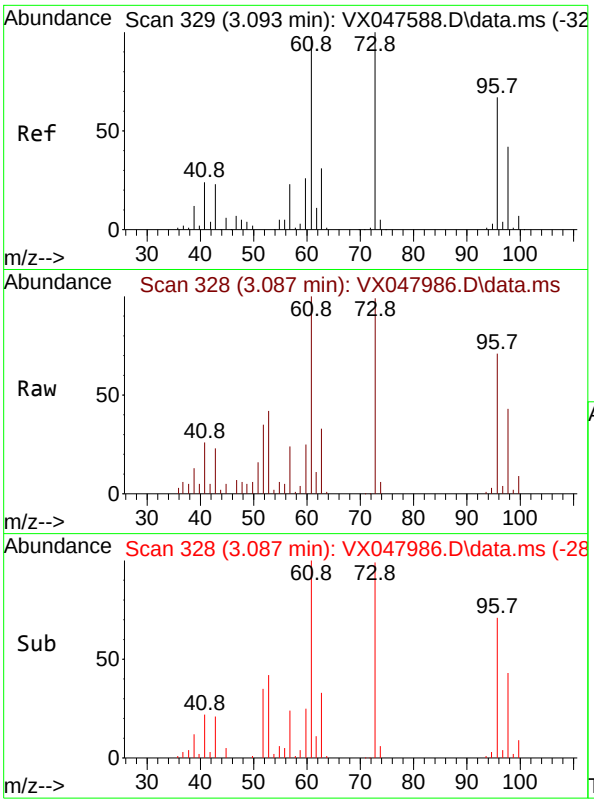


#20
Methylene Chloride
Concen: 19.560 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 84 Resp: 36299

Ion	Ratio	Lower	Upper
84	100		
49	118.9	108.6	162.8
51	38.5	32.6	48.8
86	65.3	52.0	78.0



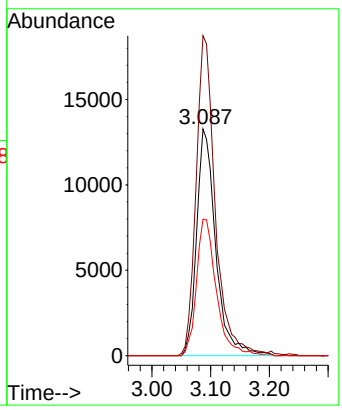


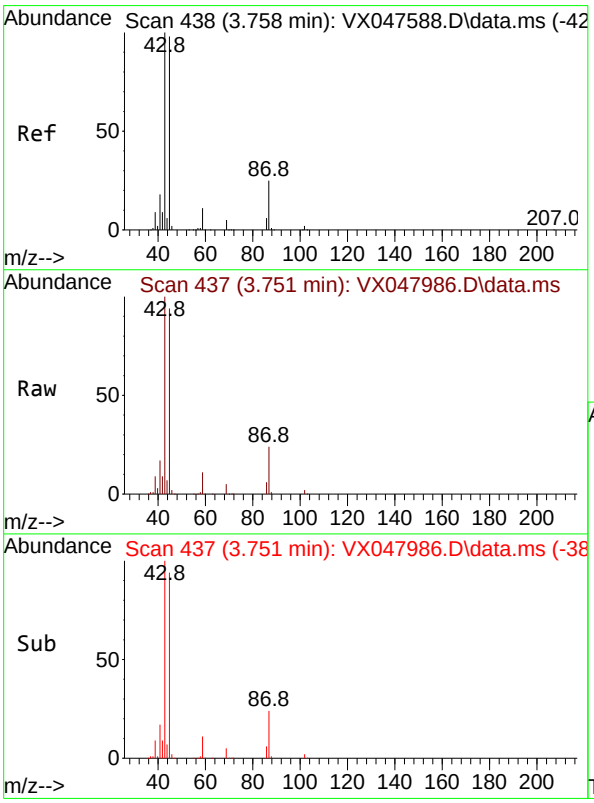
#21
trans-1,2-Dichloroethene
Concen: 18.540 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 96 Resp: 30041

Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.2	174.2
98	60.2	49.3	73.9

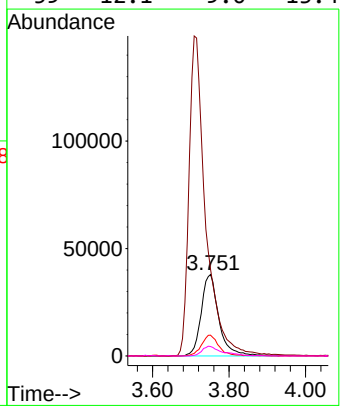


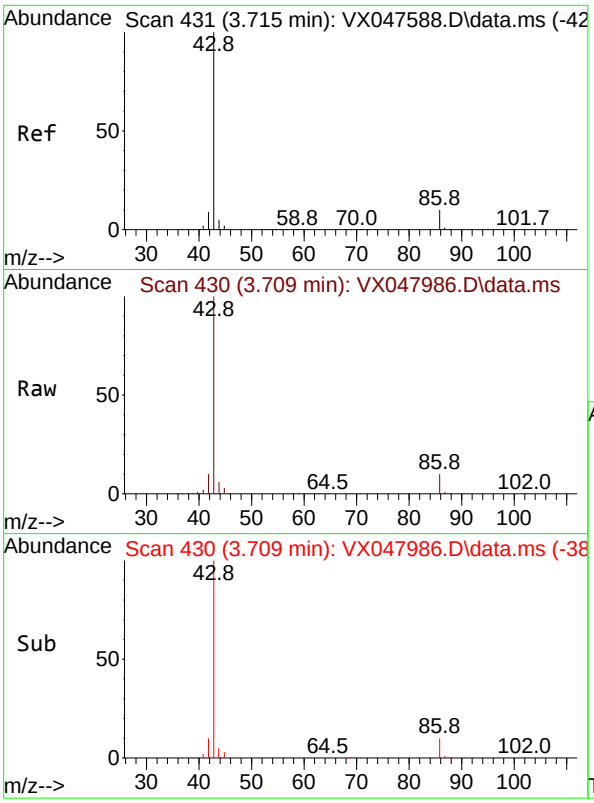


#22
Diisopropyl ether
Concen: 20.209 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 45 Resp: 121631

Ion	Ratio	Lower	Upper
45	100		
43	105.0	81.0	121.4
87	25.7	20.3	30.5
59	12.1	9.0	13.4



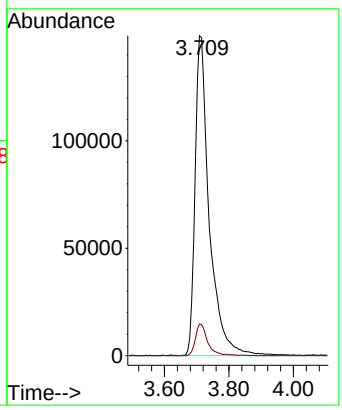


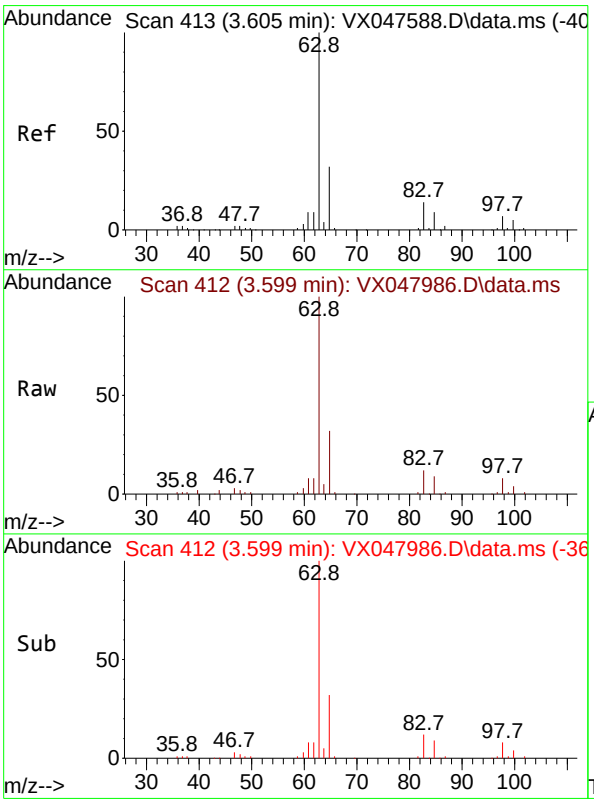
#23
Vinyl Acetate
Concen: 94.616 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 455775

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

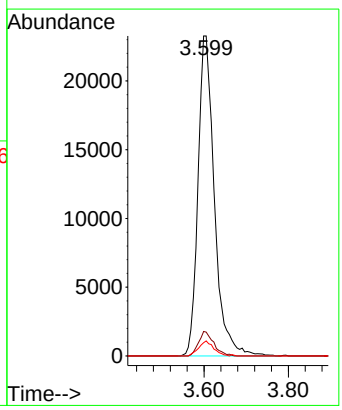


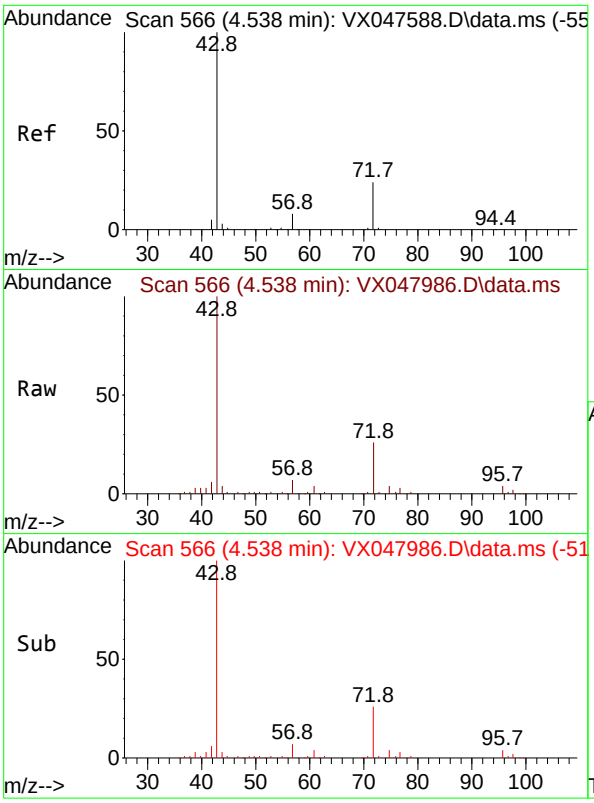


#24
1,1-Dichloroethane
Concen: 19.707 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 63044

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.2
100	4.1	2.3	6.9



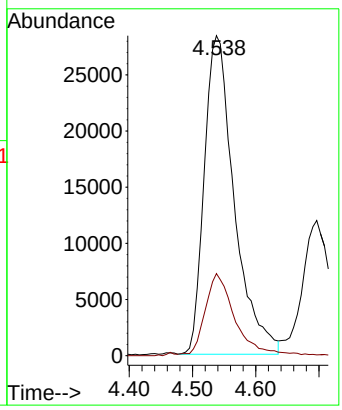


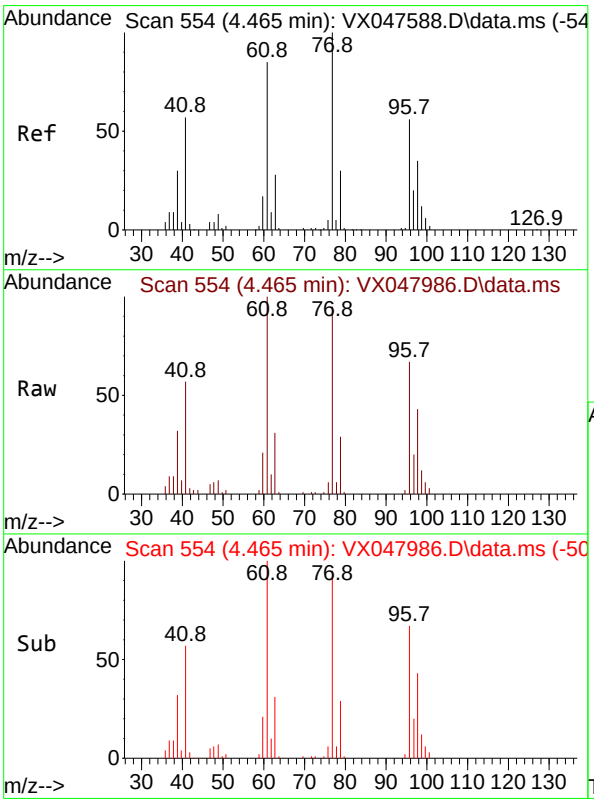
#25
2-Butanone
Concen: 85.515 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 93517

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

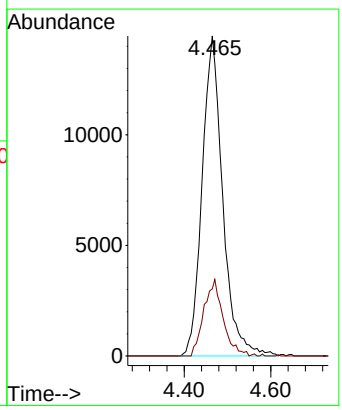


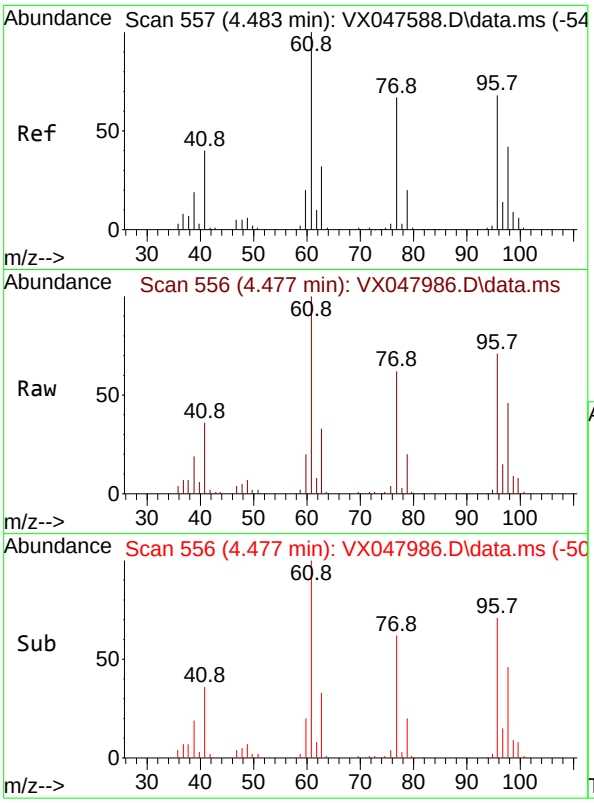


#26
2,2-Dichloropropane
Concen: 17.972 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 77 Resp: 47792

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7



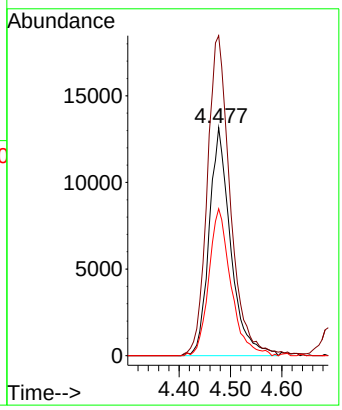


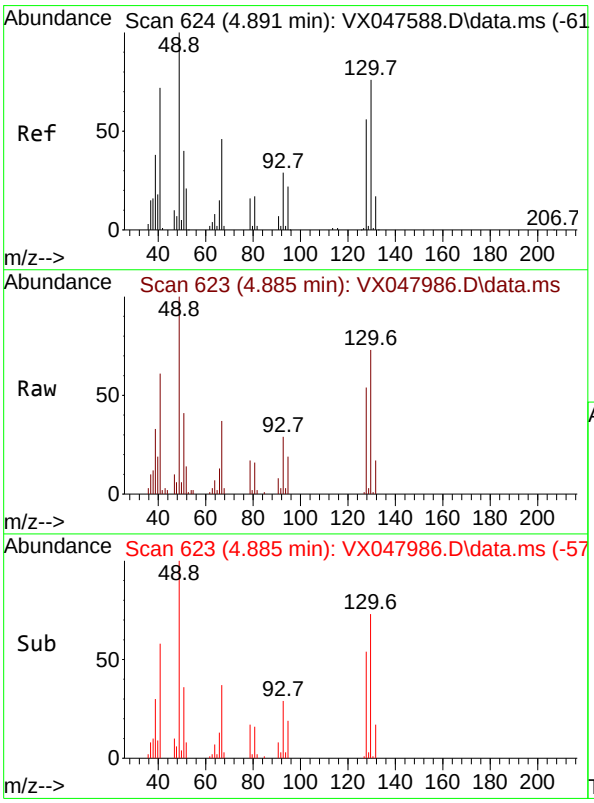
#27
cis-1,2-Dichloroethene
Concen: 19.334 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 96 Resp: 38365

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	303.2
98	66.0	0.0	127.8

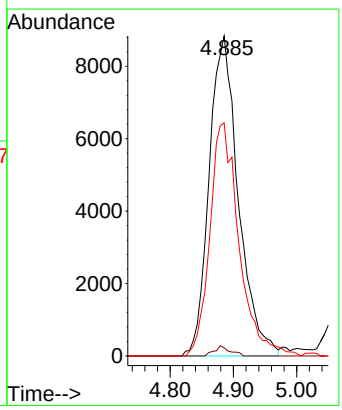


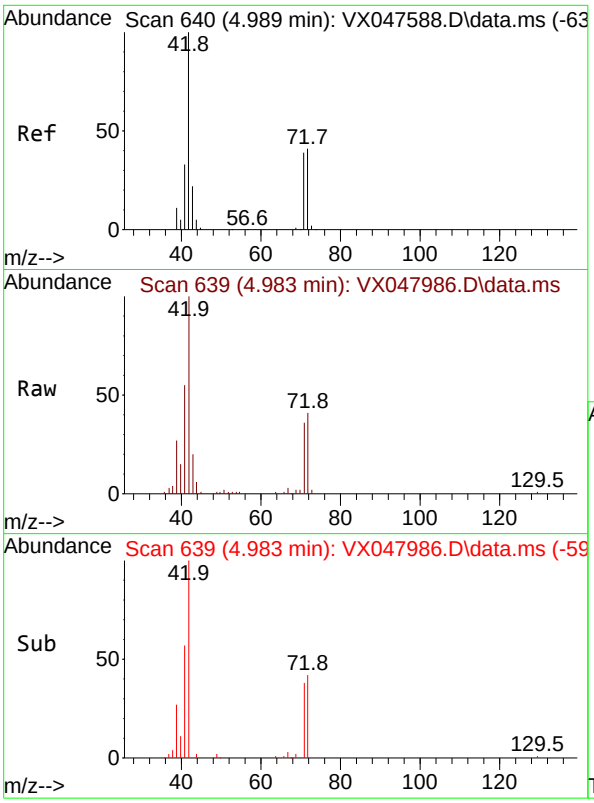


#28
Bromochloromethane
Concen: 20.319 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 49 Resp: 28377

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.4	57.8	86.8



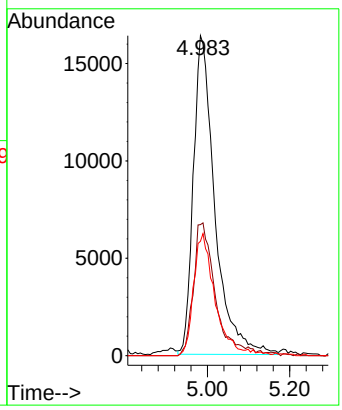


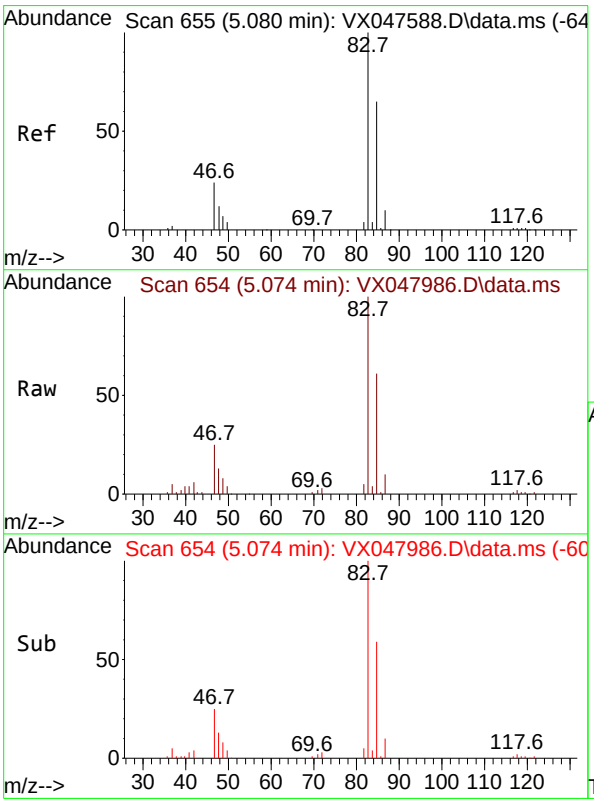
#29
Tetrahydrofuran
Concen: 90.406 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 42 Resp: 59475

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.5	31.9	47.9

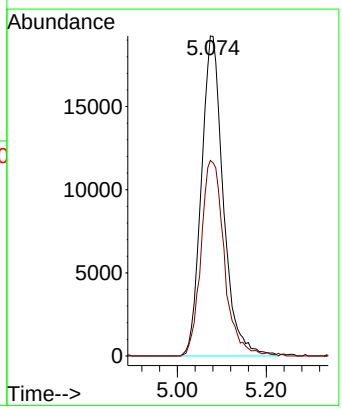


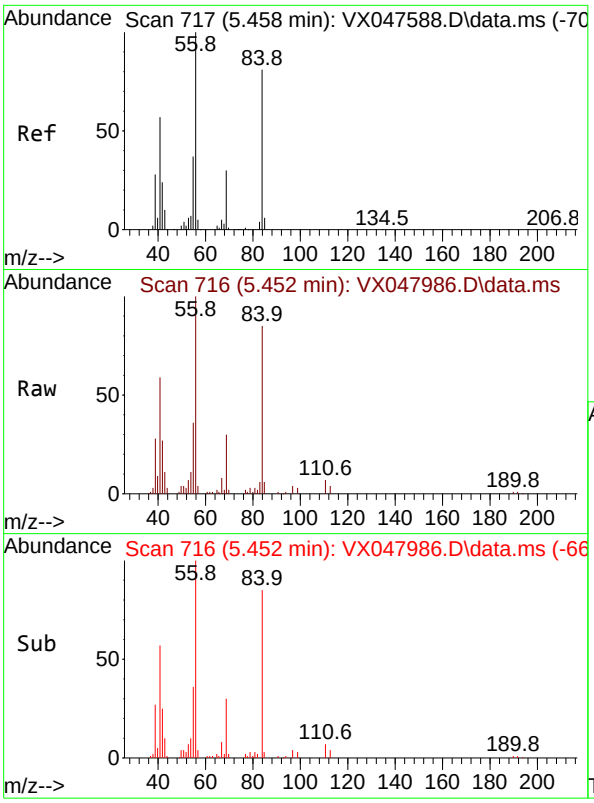


#30
Chloroform
Concen: 20.411 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 65984

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.8	77.6



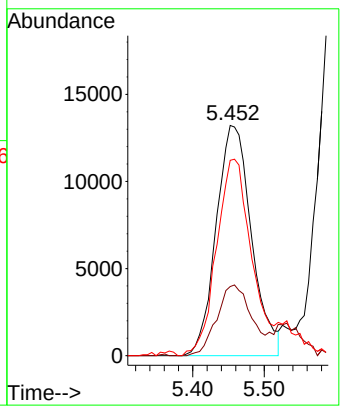


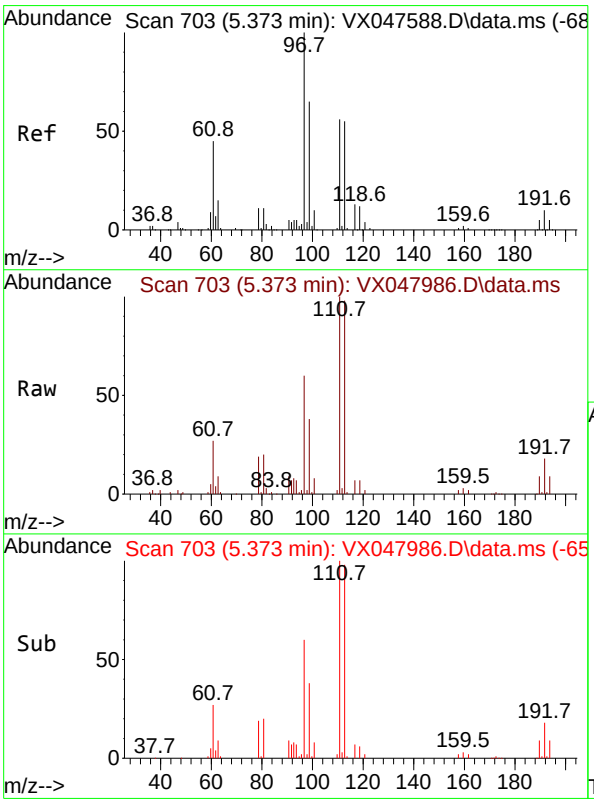
#31
Cyclohexane
Concen: 17.038 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 56 Resp: 45397

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	84.8	64.6	97.0

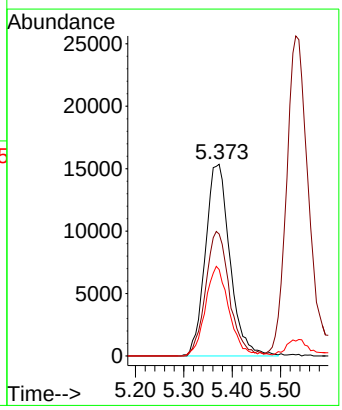


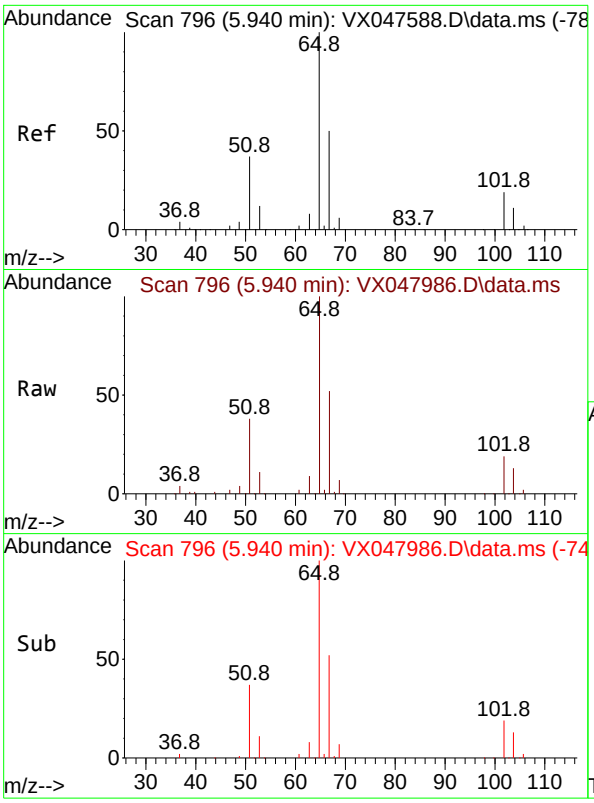


#32
1,1,1-Trichloroethane
Concen: 19.762 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 97 Resp: 54188

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.3	35.8	53.8



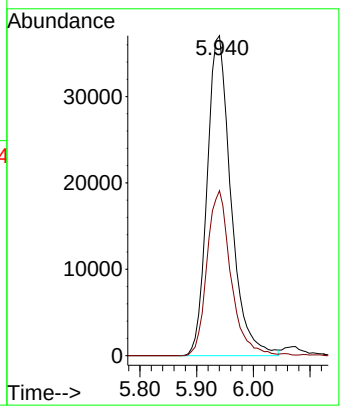


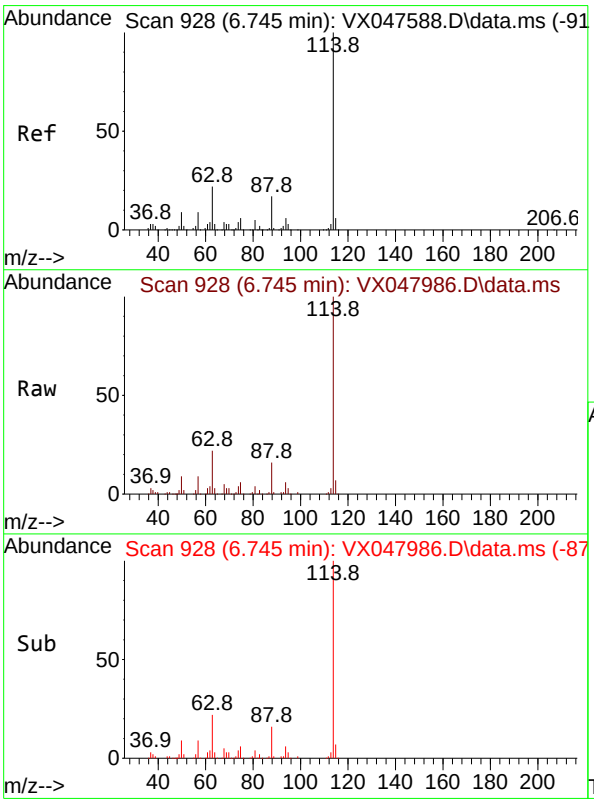
#33
1,2-Dichloroethane-d4
Concen: 53.561 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 65 Resp: 107996

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

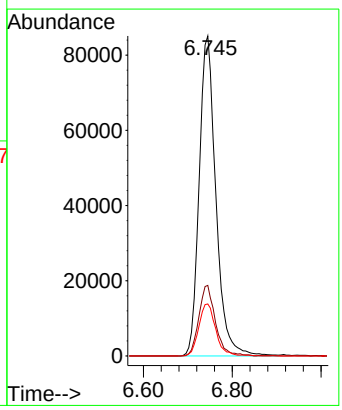


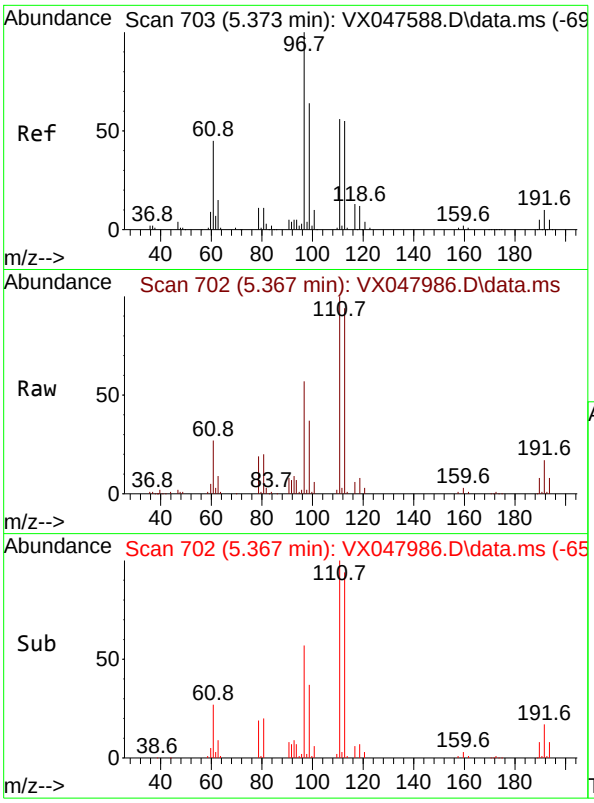


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:114 Resp: 223242

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.2	0.0	34.2



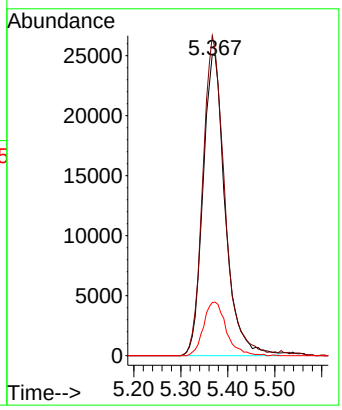


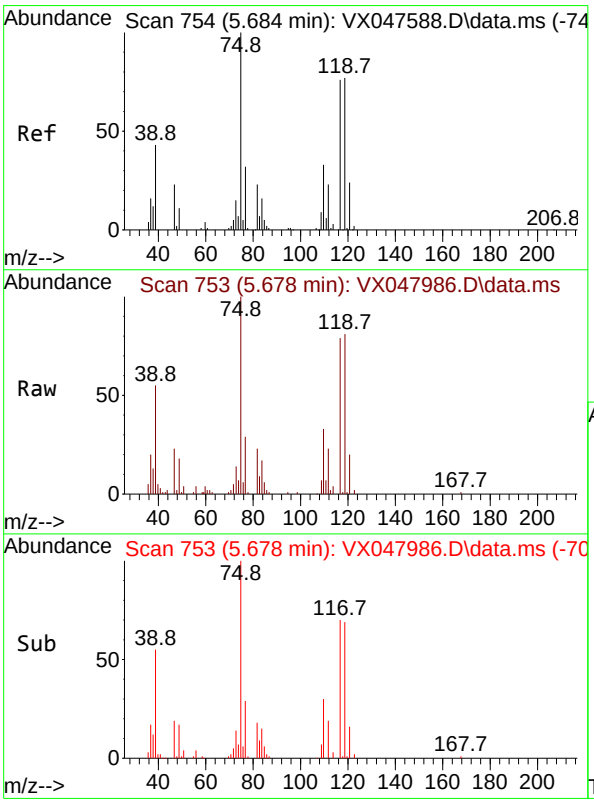
#35
Dibromofluoromethane
Concen: 55.059 ug/l
RT: 5.367 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:113 Resp: 82433

Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	18.2	14.2	21.4

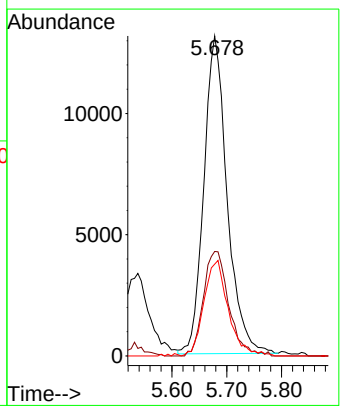


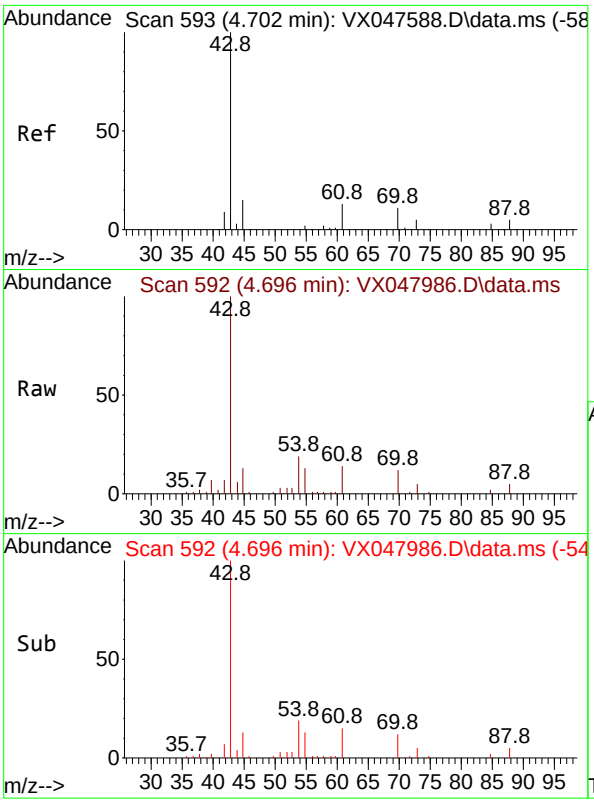


#36
1,1-Dichloropropene
Concen: 17.675 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 38668

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.7	50.1
77	31.5	24.3	36.5



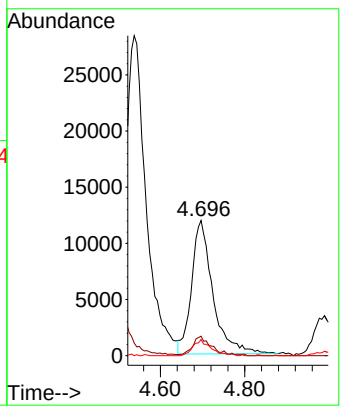


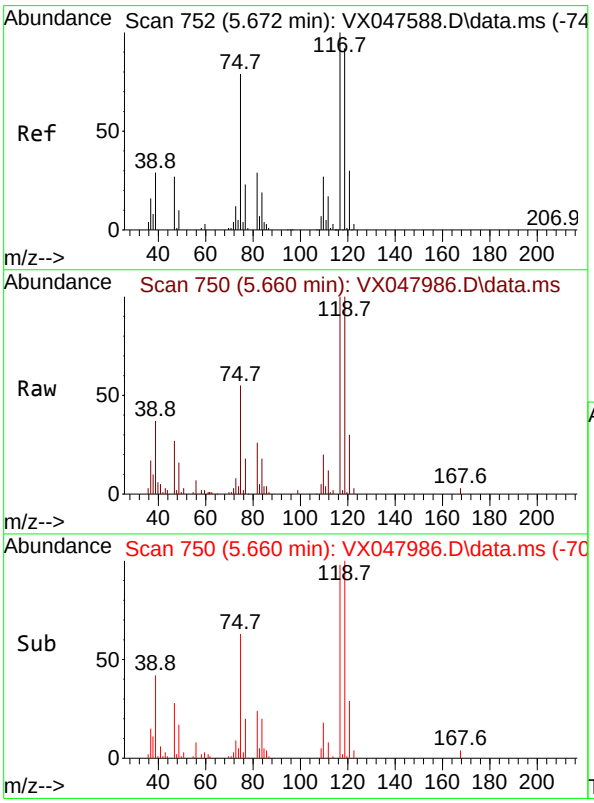
#37
Ethyl Acetate
Concen: 17.785 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 41660

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	10.0	7.9	11.9

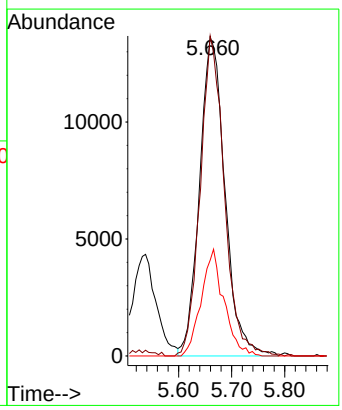


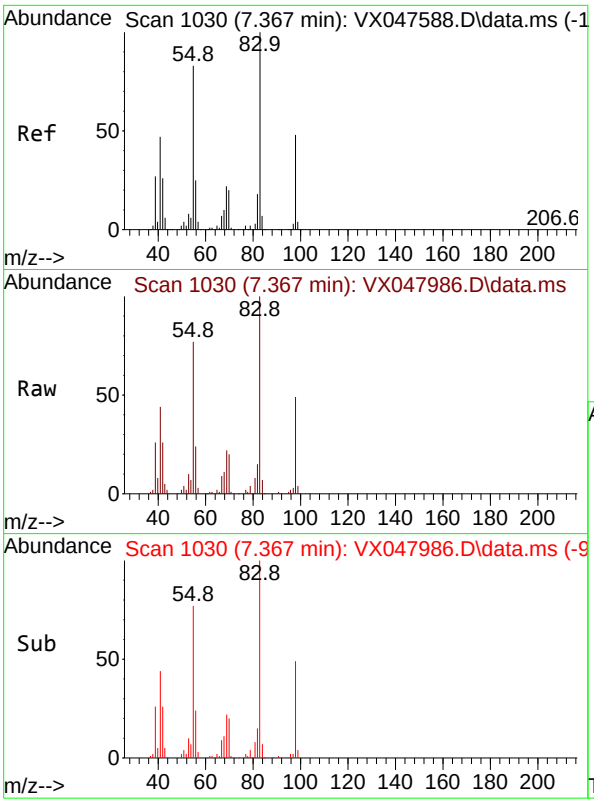


#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 45275

Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.4	110.2
121	30.1	23.8	35.6



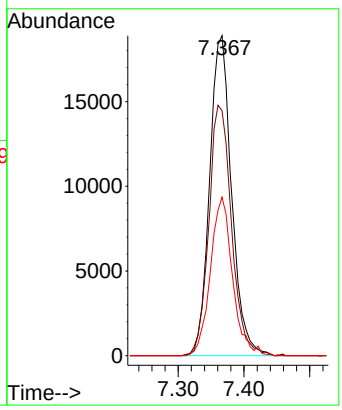


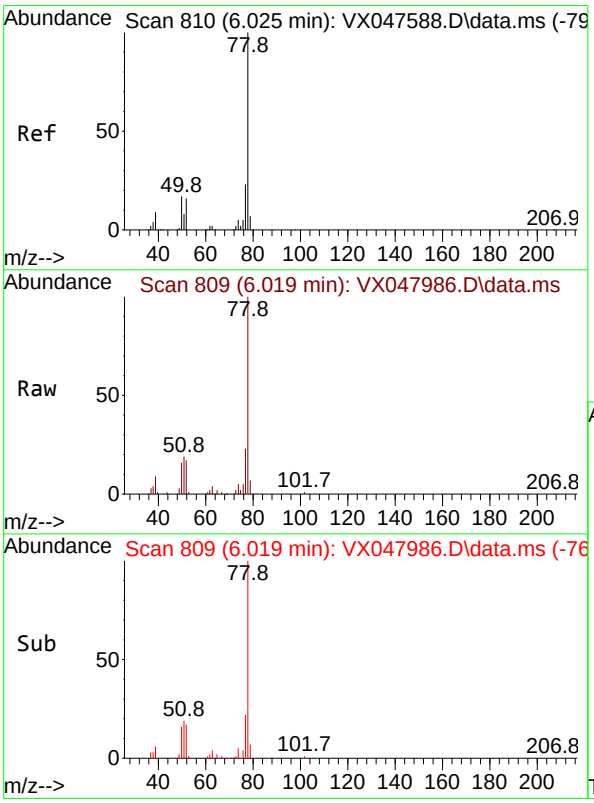
#39
Methylcyclohexane
Concen: 17.704 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 83 Resp: 43965

Ion	Ratio	Lower	Upper
83	100		
55	76.6	66.4	99.6
98	49.5	38.1	57.1

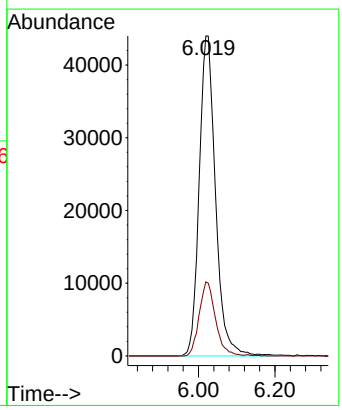


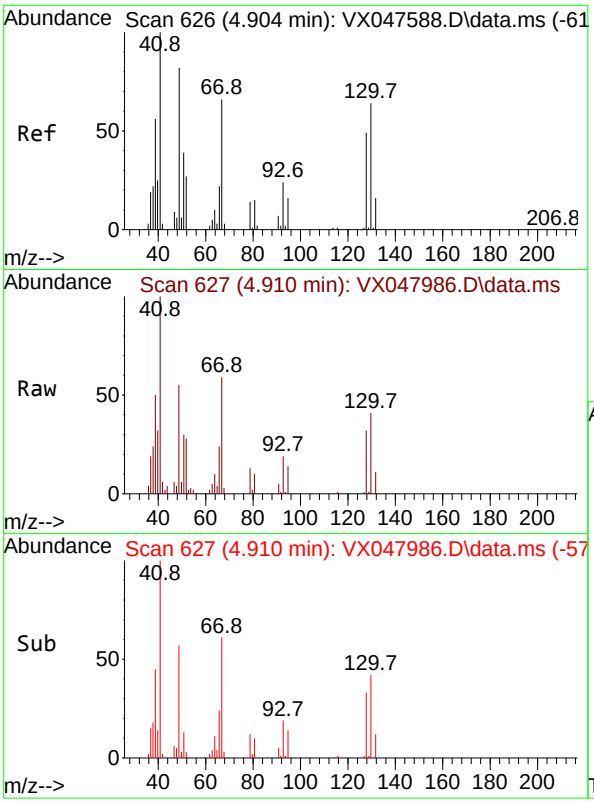


#40
Benzene
Concen: 19.597 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 78 Resp: 130214

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



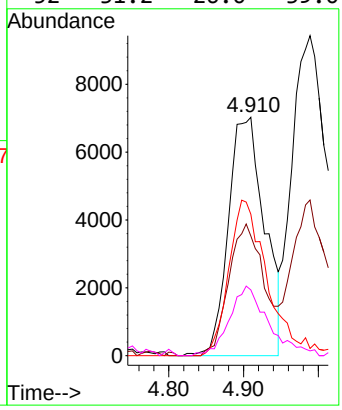


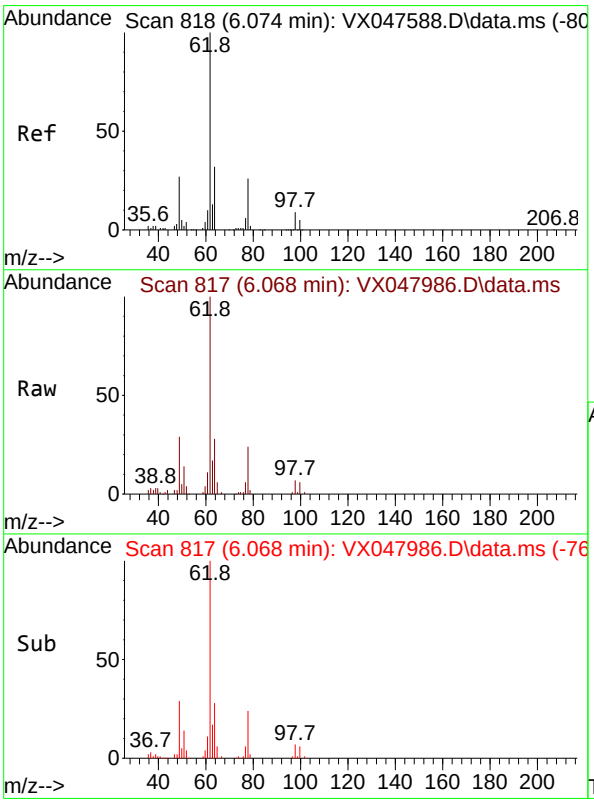
#41
Methacrylonitrile
Concen: 19.606 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 41 Resp: 23709

Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	69.4	58.6	87.8
52	31.2	26.0	39.0

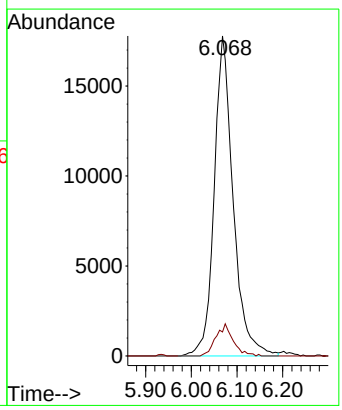


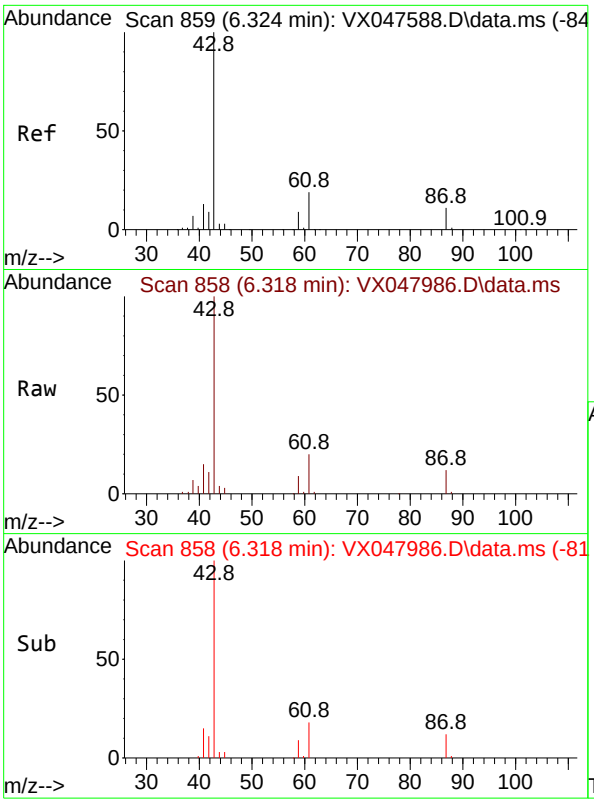


#42
1,2-Dichloroethane
Concen: 20.271 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 51249

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



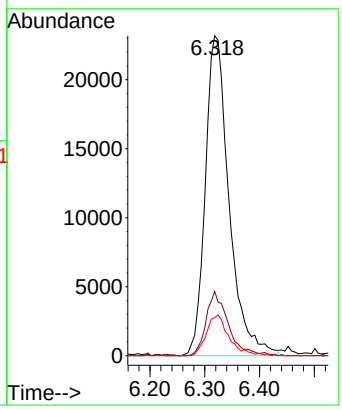


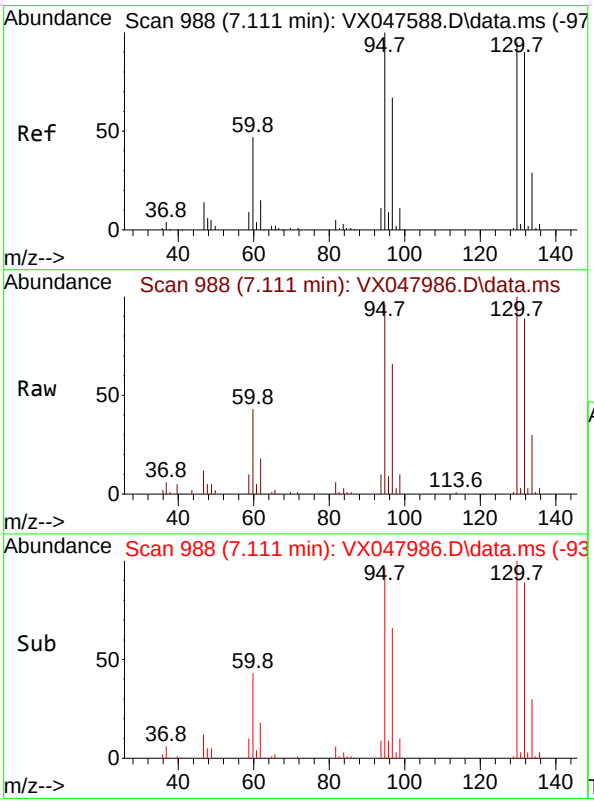
#43
Isopropyl Acetate
Concen: 18.206 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 69942

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.2	22.8
87	12.1	9.6	14.4

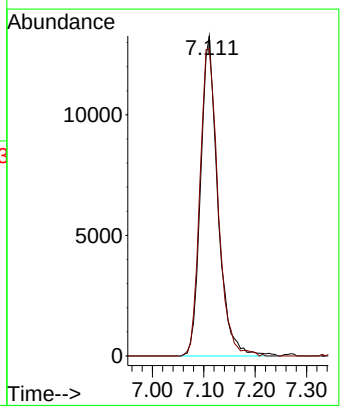


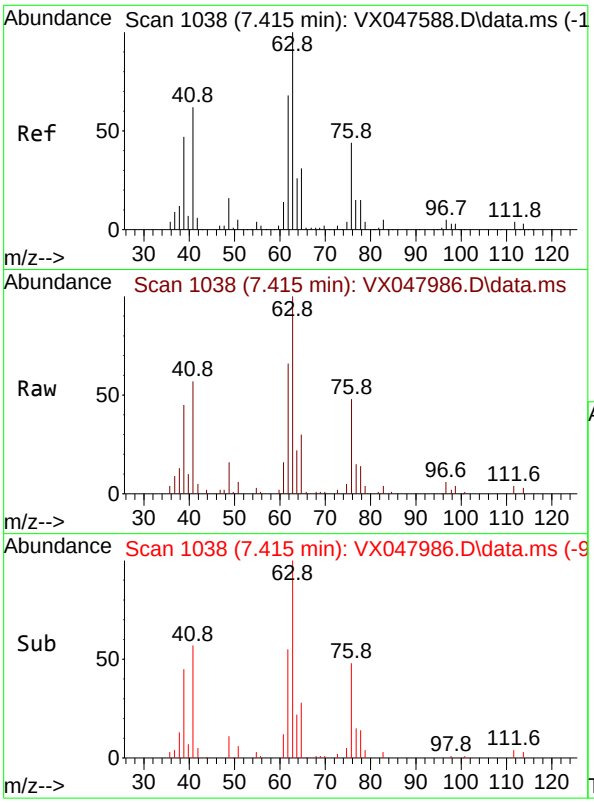


#44
Trichloroethene
Concen: 19.162 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:130 Resp: 30783

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	210.8



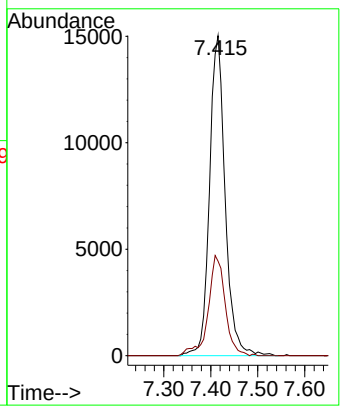


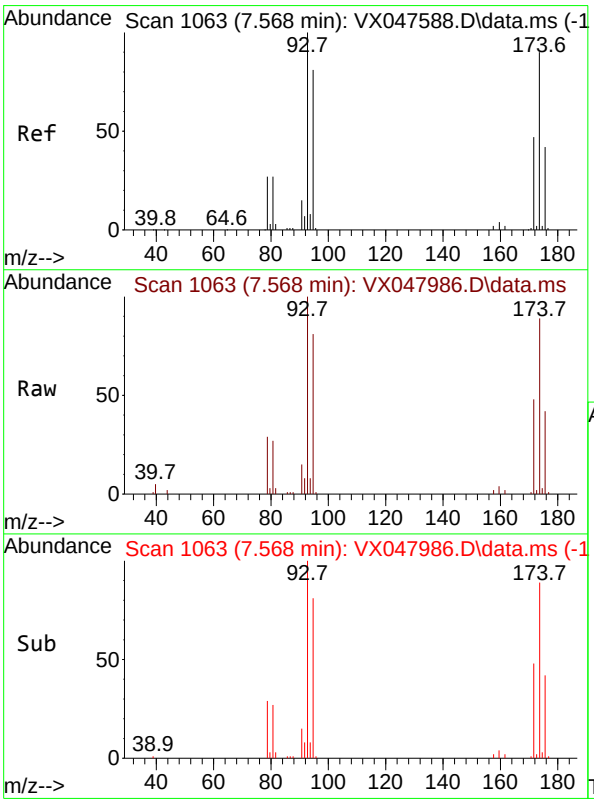
#45
1,2-Dichloropropane
Concen: 20.370 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 63 Resp: 34658

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

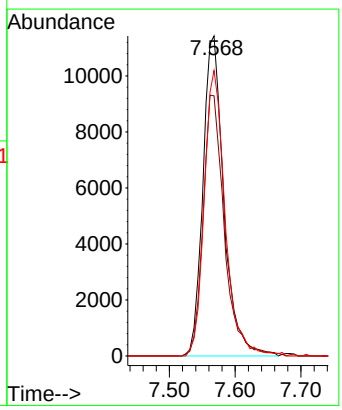


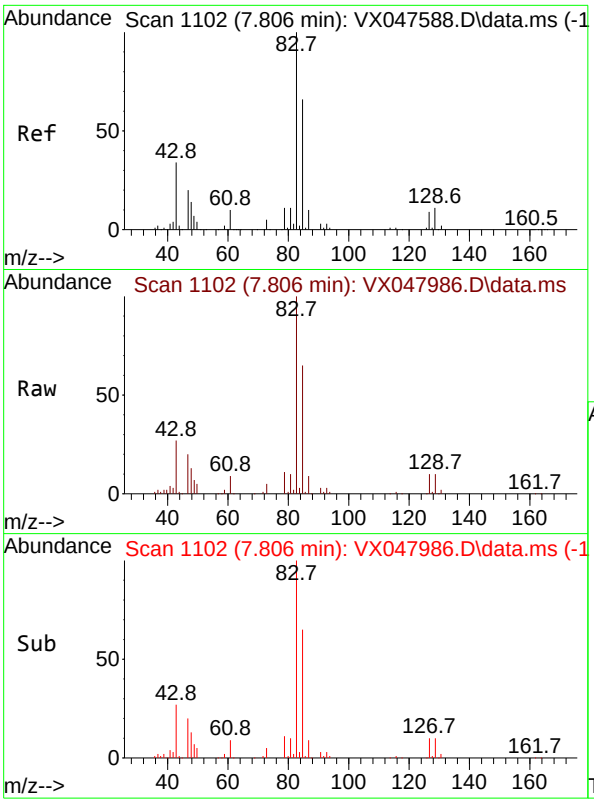


#46
Dibromomethane
Concen: 20.408 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 93 Resp: 25268

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	89.3	71.6	107.4



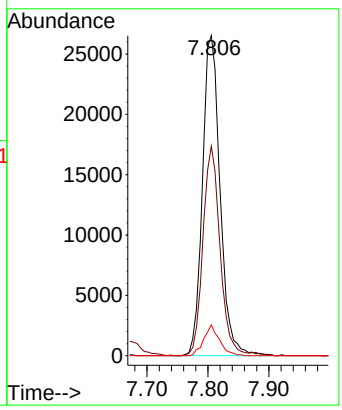


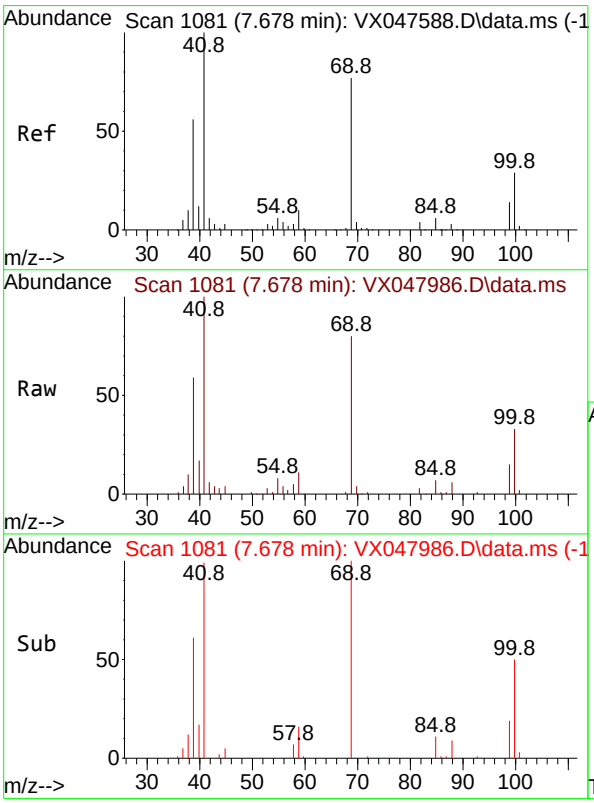
#47
Bromodichloromethane
Concen: 20.890 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 83 Resp: 53374

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.5	78.7
127	9.6	6.9	10.3

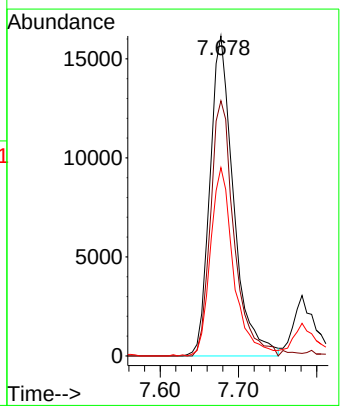


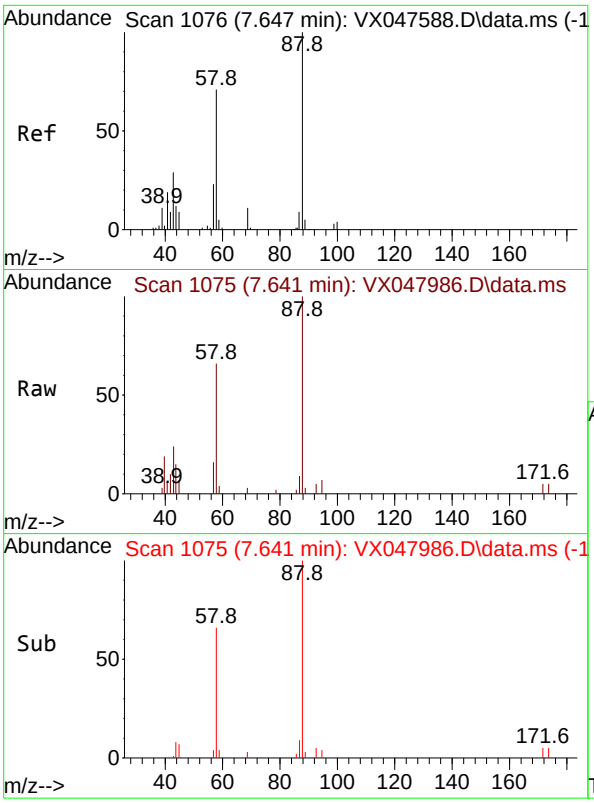


#48
Methyl methacrylate
Concen: 17.706 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 33882

Ion	Ratio	Lower	Upper
41	100		
69	79.3	61.4	92.2
39	57.6	45.8	68.6



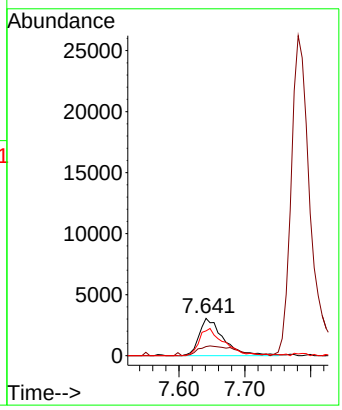


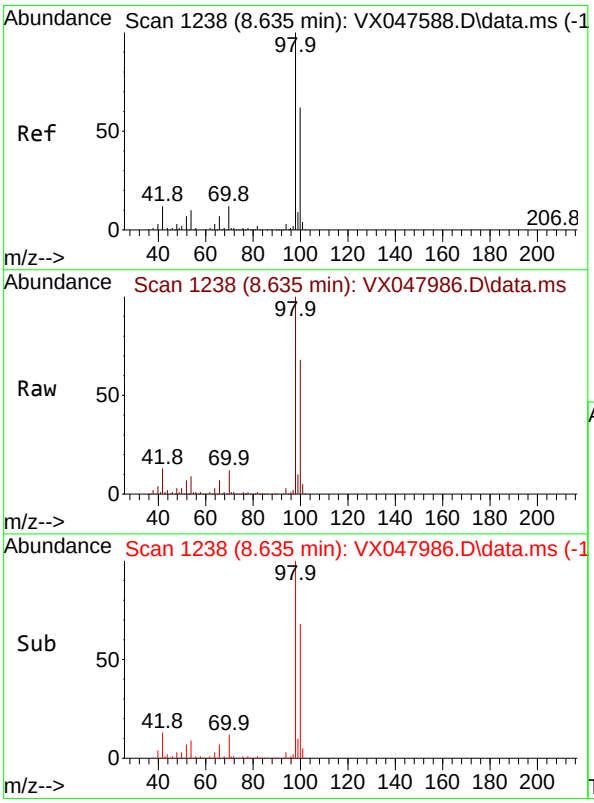
#49
1,4-Dioxane
Concen: 403.637 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 88 Resp: 7806

Ion	Ratio	Lower	Upper
88	100		
43	40.0	30.2	45.2
58	75.2	59.5	89.3

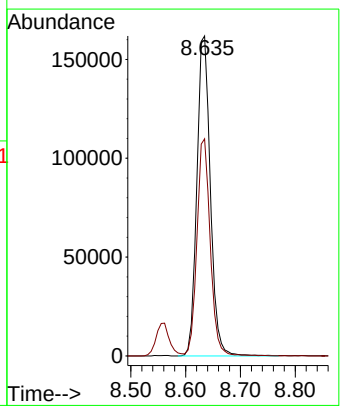


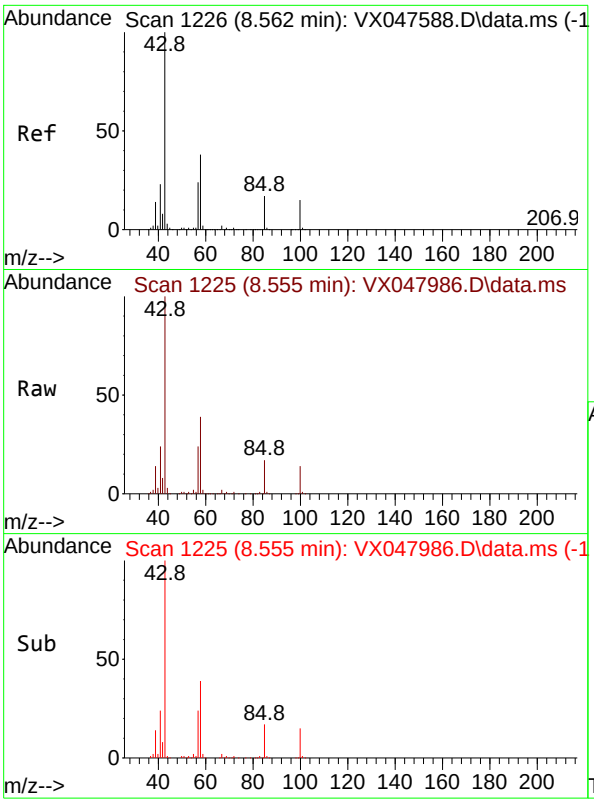


#50
Toluene-d8
Concen: 53.602 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 98 Resp: 277687

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



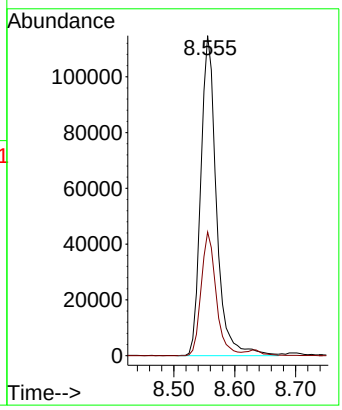


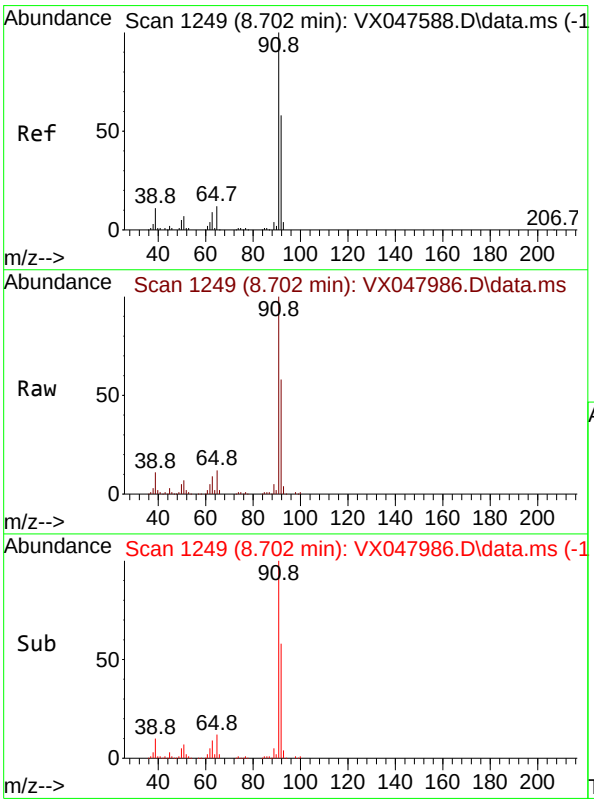
#51
4-Methyl-2-Pentanone
Concen: 96.266 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 205051

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.3	45.5

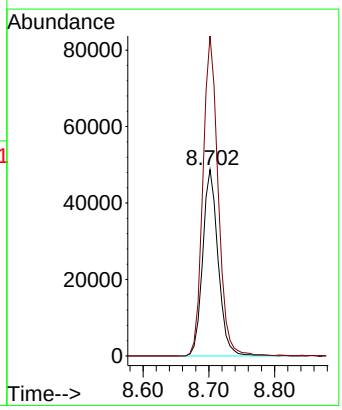


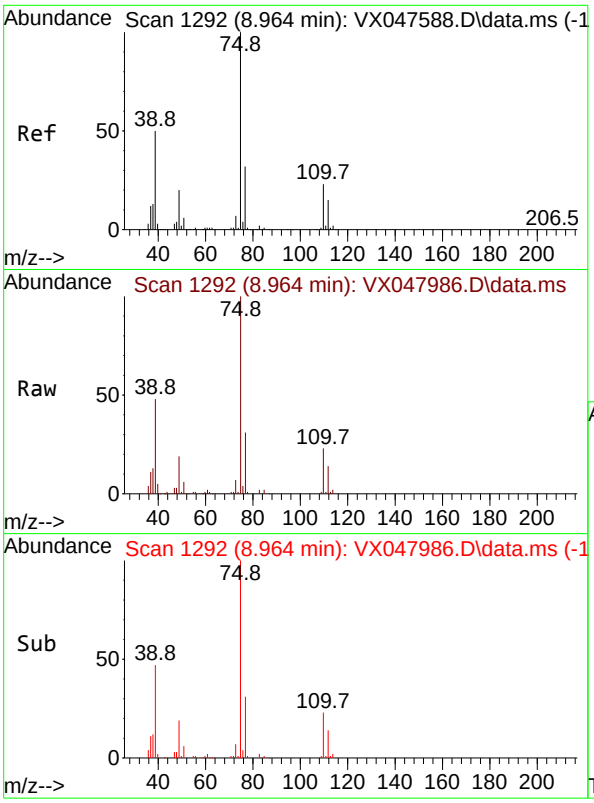


#52
Toluene
Concen: 19.401 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 92 Resp: 79425

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.1	205.7



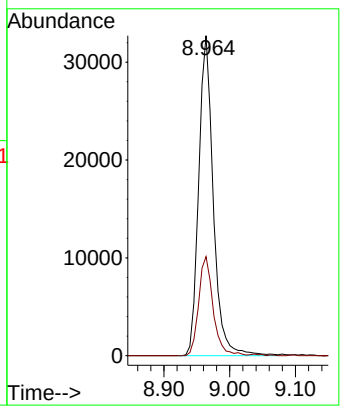


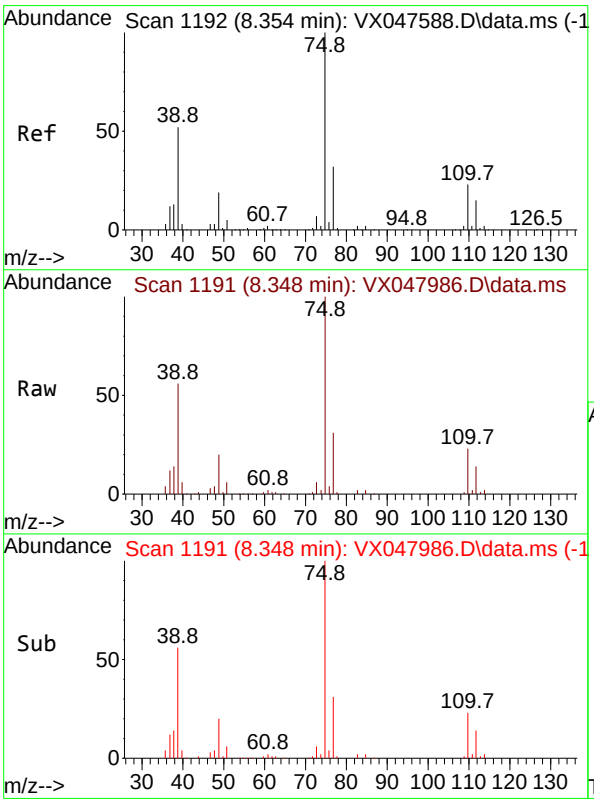
#53
t-1,3-Dichloropropene
Concen: 19.312 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 75 Resp: 50330

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

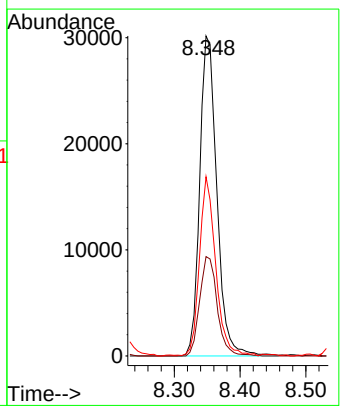


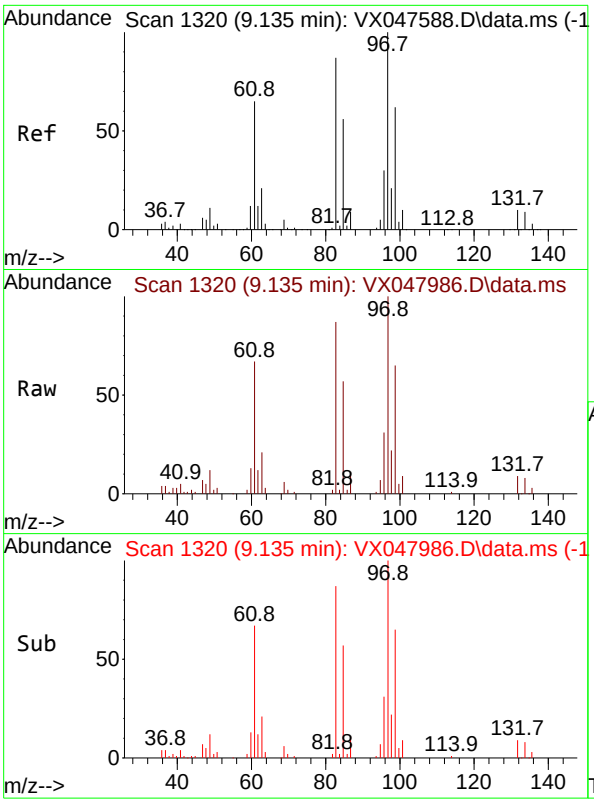


#54
cis-1,3-Dichloropropene
Concen: 19.620 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 54652

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	54.2	41.4	62.2



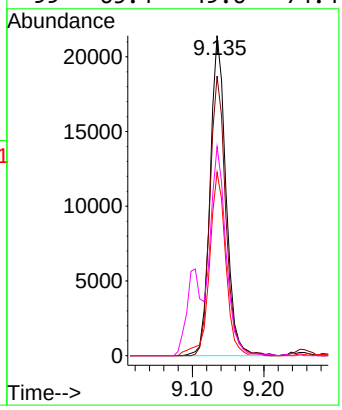


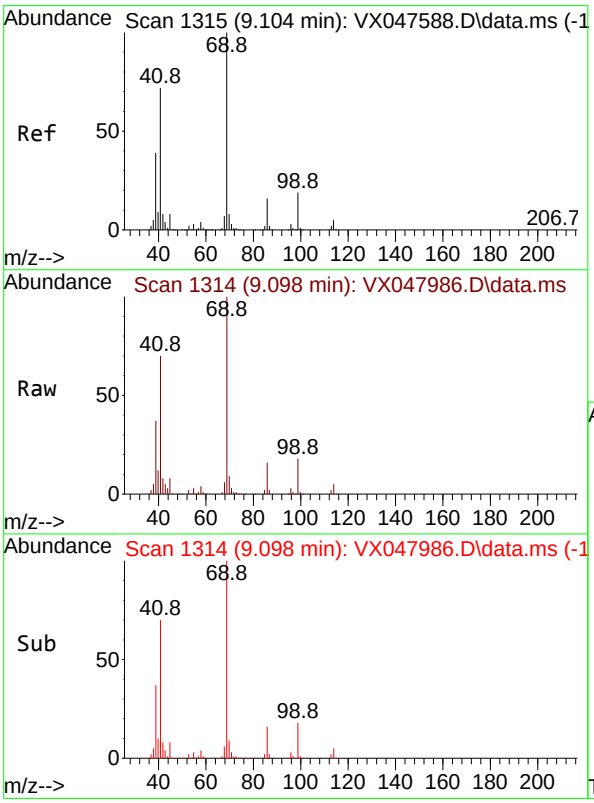
#55
1,1,2-Trichloroethane
Concen: 20.914 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 97 Resp: 33013

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	57.3	45.0	67.6
99	65.4	49.6	74.4

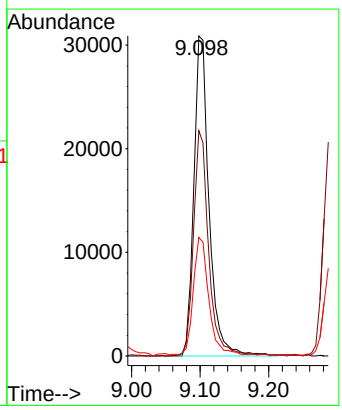


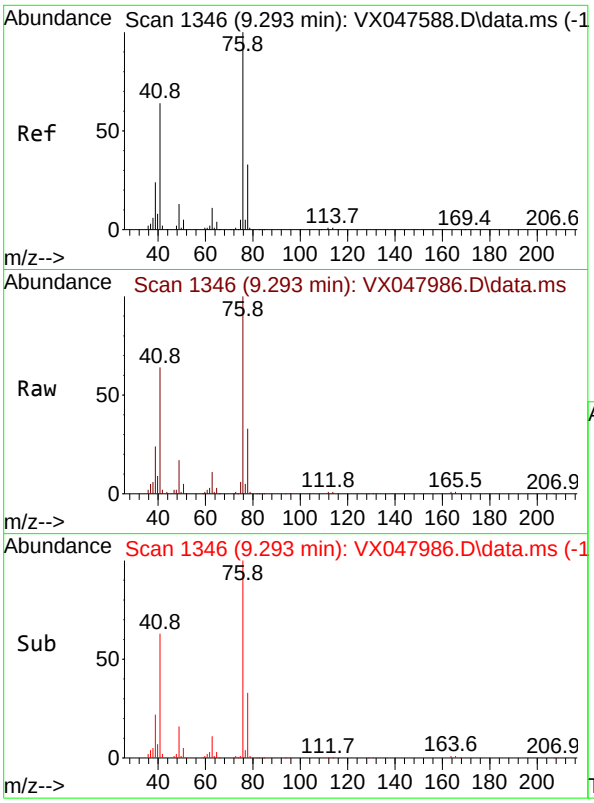


#56
Ethyl methacrylate
Concen: 19.233 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 69 Resp: 47680

Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.6	87.8
39	36.9	31.5	47.3



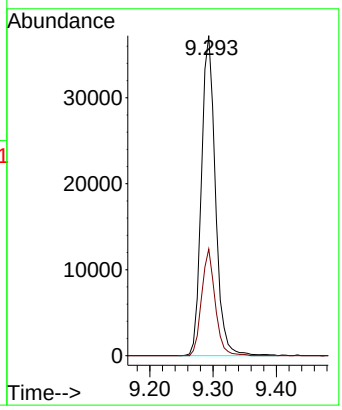


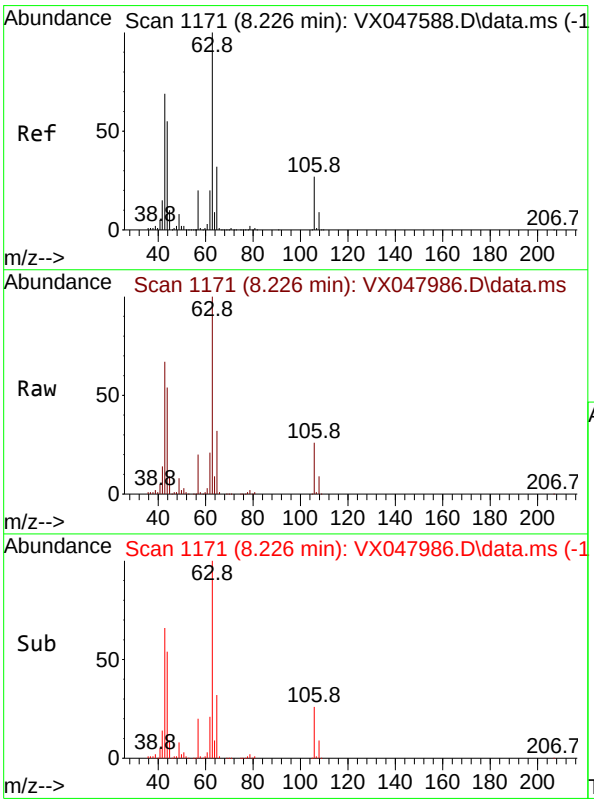
#57
1,3-Dichloropropane
Concen: 21.195 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 76 Resp: 57474

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

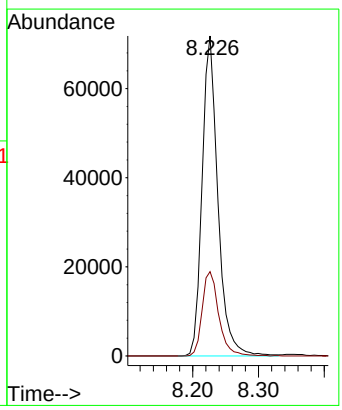


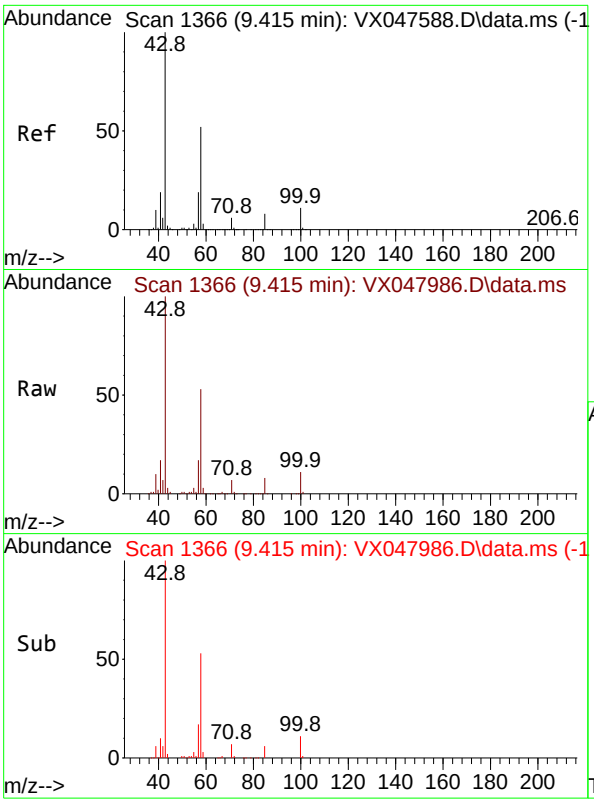


#58
2-Chloroethyl Vinyl ether
Concen: 108.060 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 119833

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



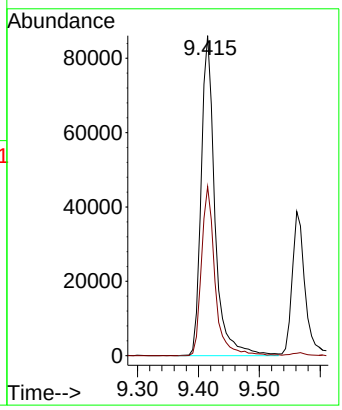


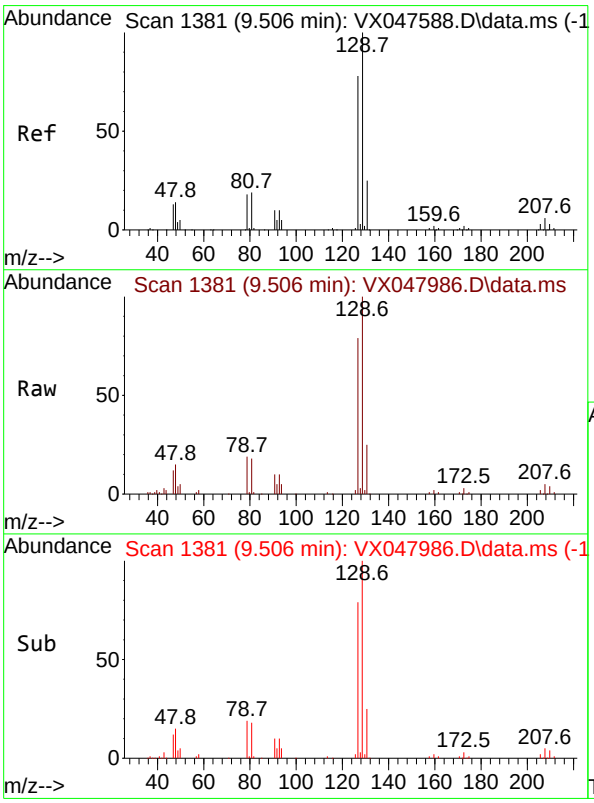
#59
2-Hexanone
Concen: 88.459 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 135325

Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.1	78.2

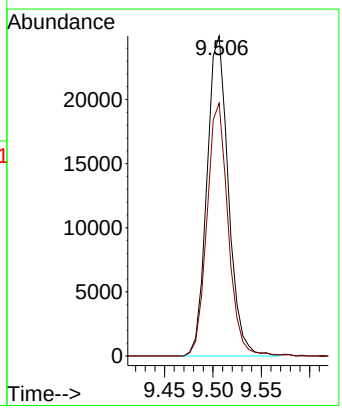


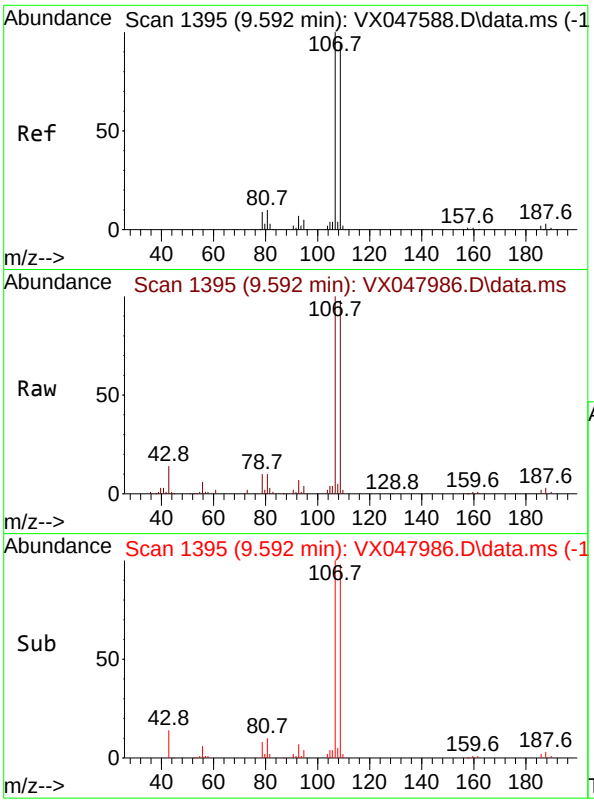


#60
Dibromochloromethane
Concen: 21.175 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:129 Resp: 38514

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2



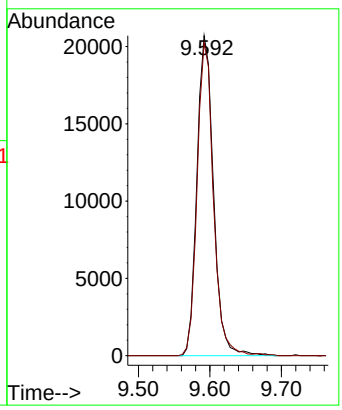


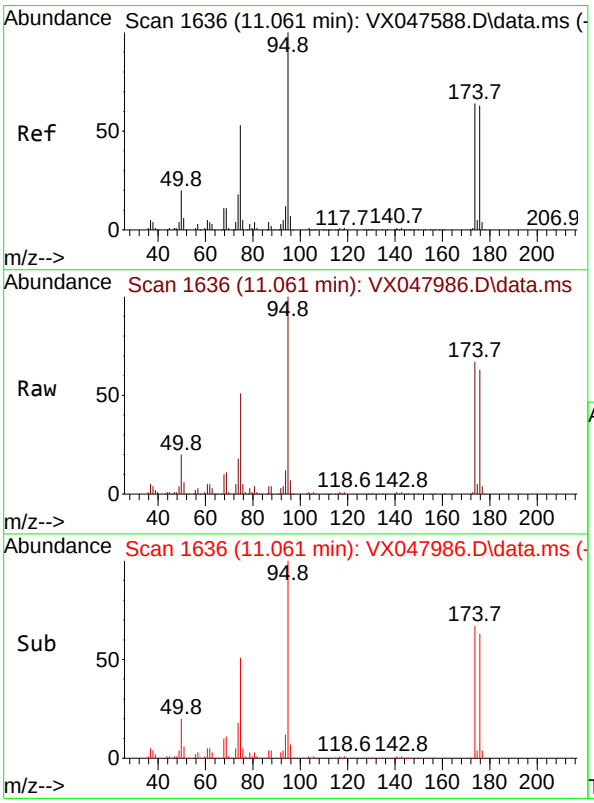
#61
1,2-Dibromoethane
Concen: 20.717 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:107 Resp: 33310

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.3	112.9

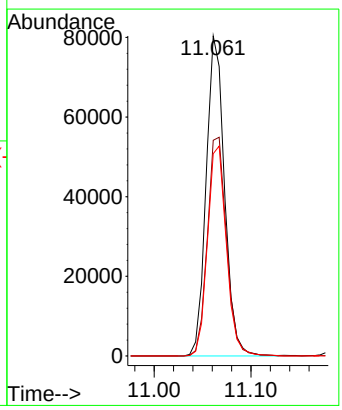


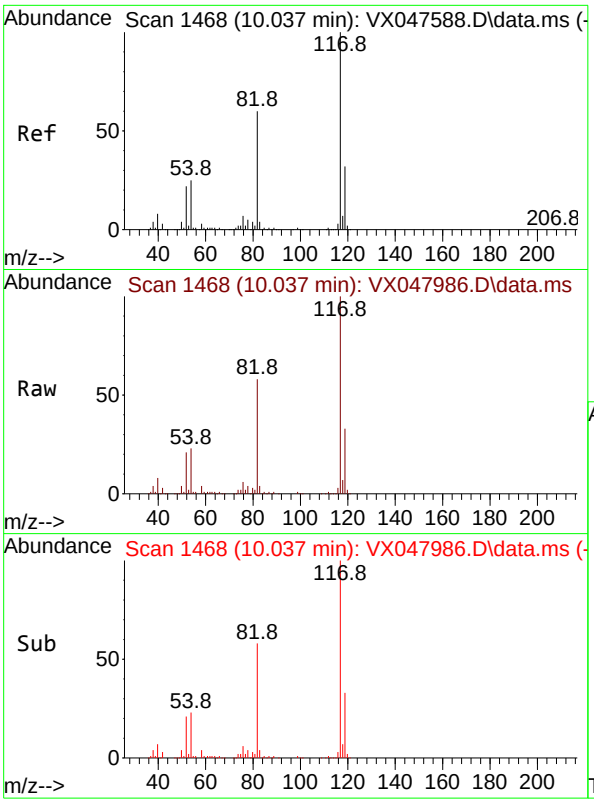


#62
4-Bromofluorobenzene
Concen: 53.996 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 95 Resp: 106162

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.6
176	67.4	0.0	138.4



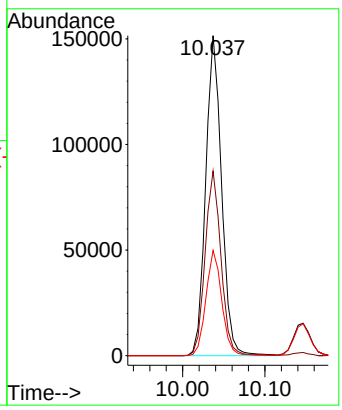


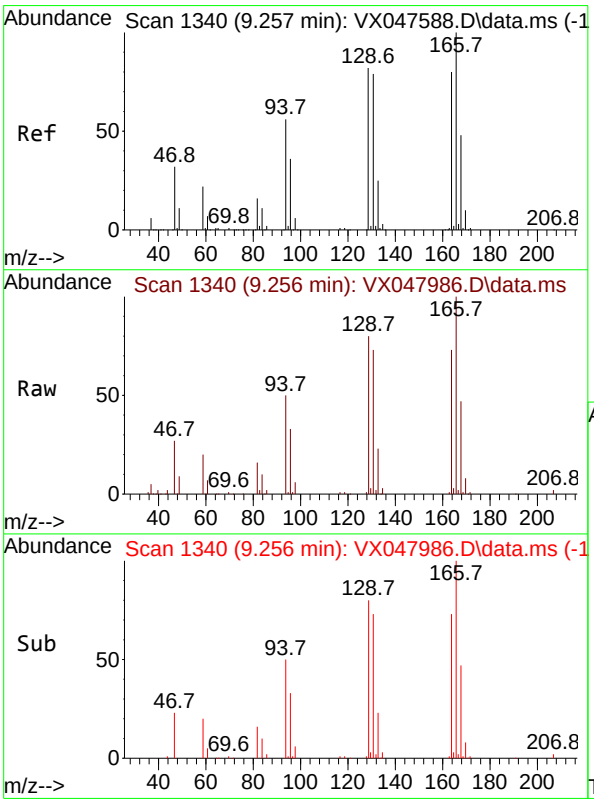
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:117 Resp: 203303

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.9	25.2	37.8

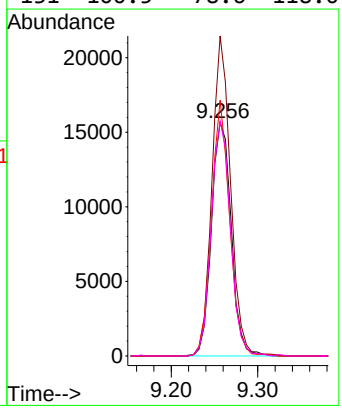


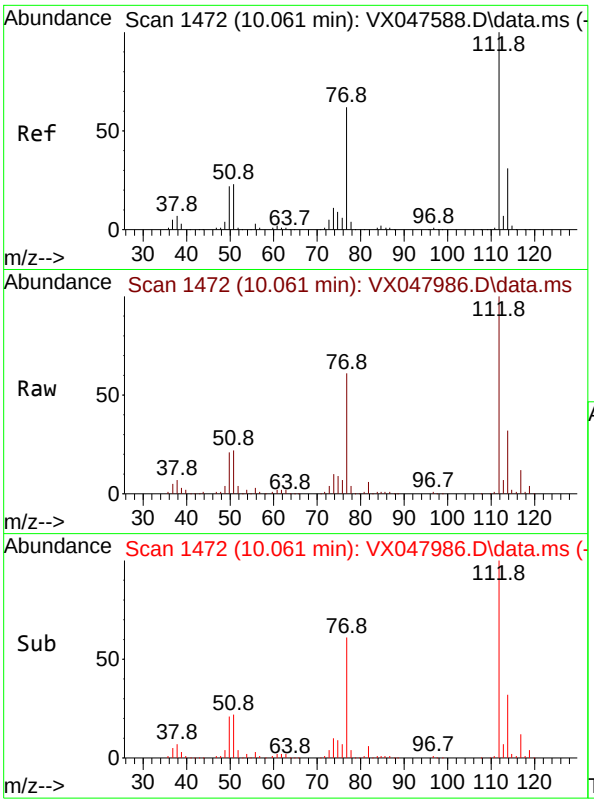


#64
Tetrachloroethene
Concen: 18.698 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:164 Resp: 24781

Ion	Ratio	Lower	Upper
164	100		
166	137.1	100.2	150.2
129	109.5	81.8	122.6
131	100.5	78.6	118.0



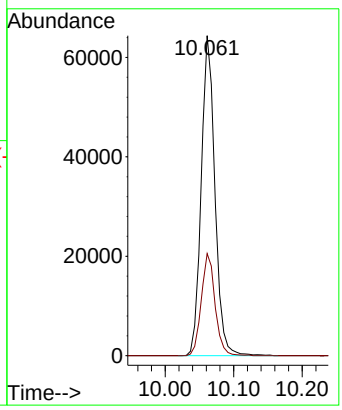


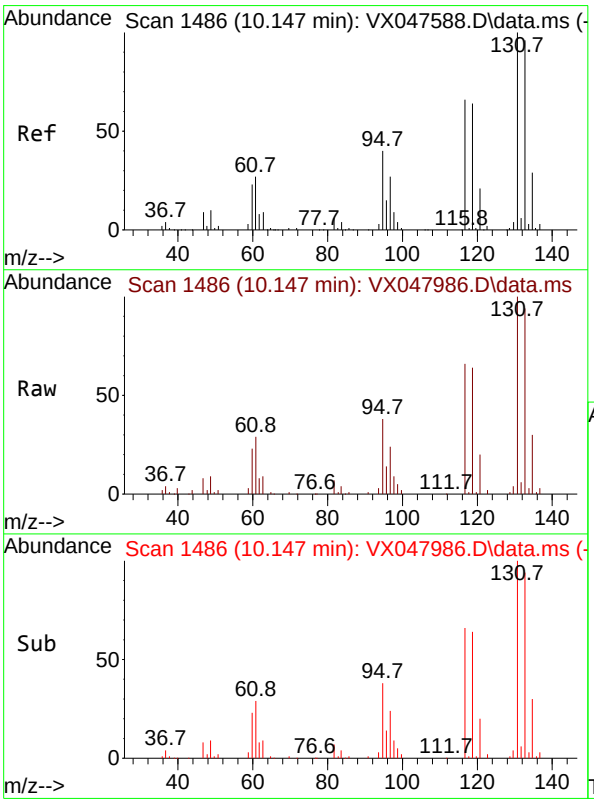
#65
Chlorobenzene
Concen: 19.398 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:112 Resp: 89592

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7

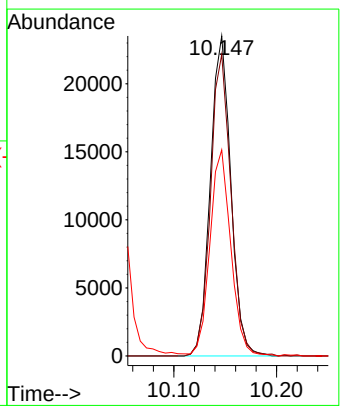


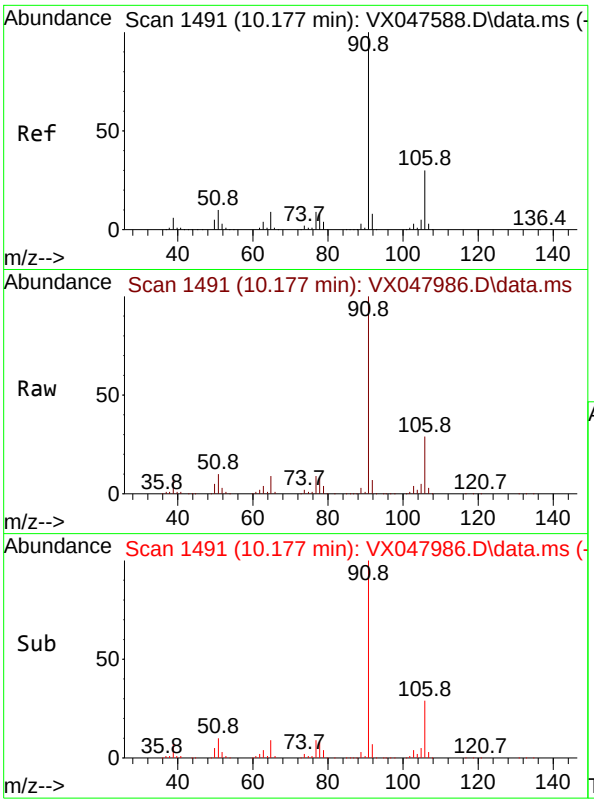


#66
1,1,1,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:131 Resp: 32462

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	142.0
119	66.1	32.0	96.0



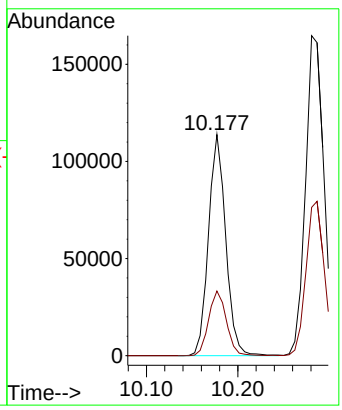


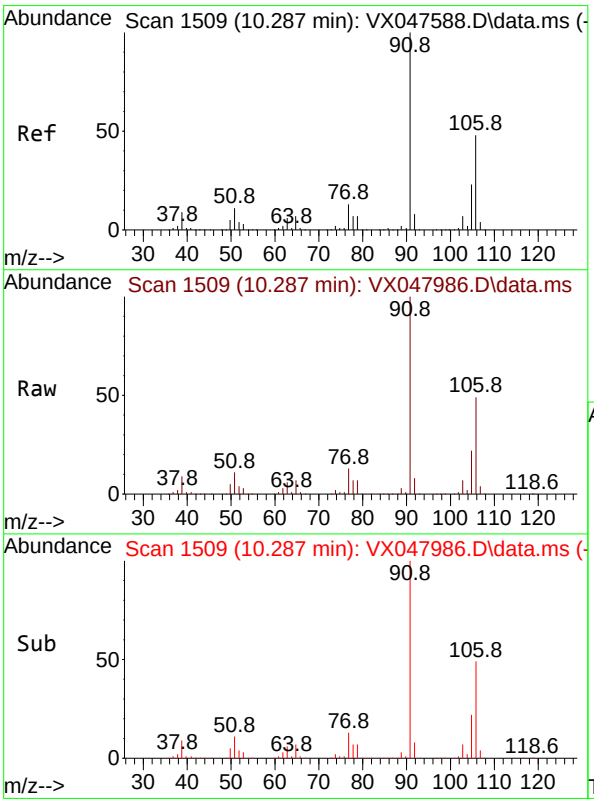
#67
Ethyl Benzene
Concen: 18.707 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 91 Resp: 149076

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5

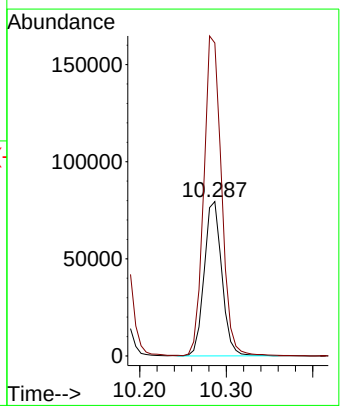


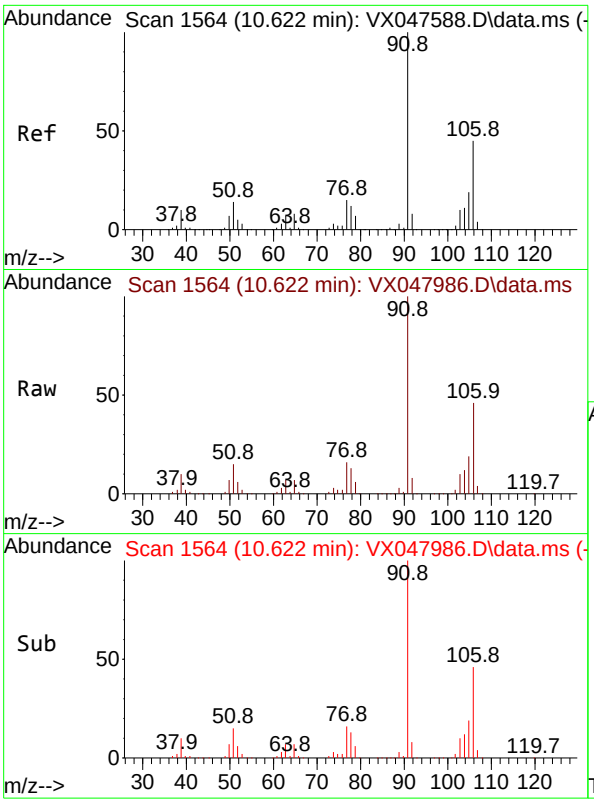


#68
m/p-Xylenes
Concen: 37.811 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:106 Resp: 112155

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8



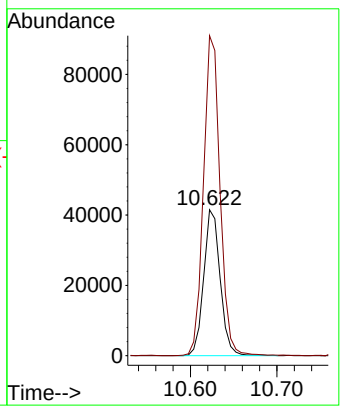


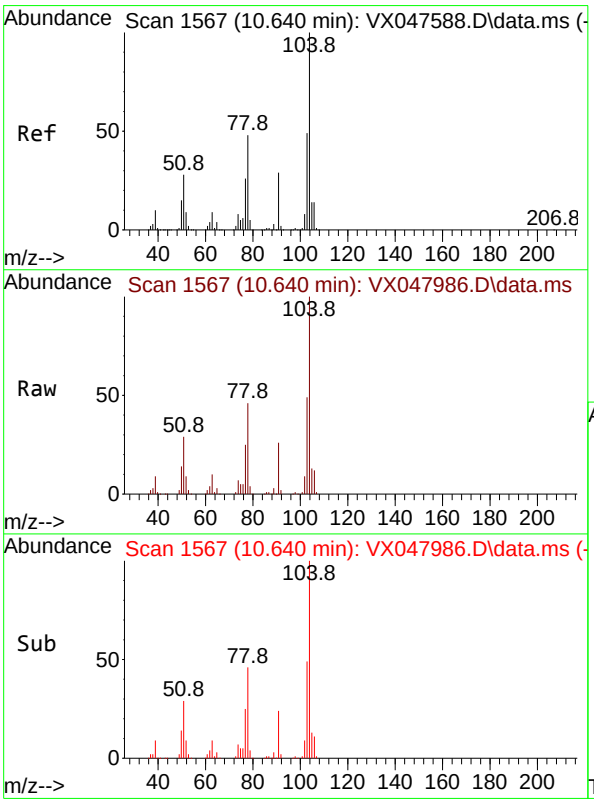
#69
o-Xylene
Concen: 19.105 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:106 Resp: 54811

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4

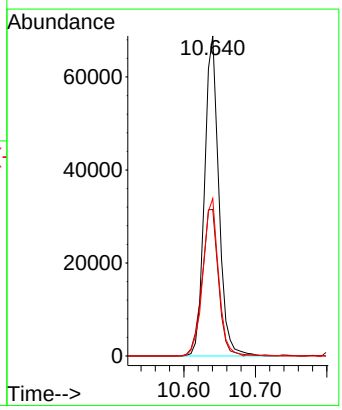


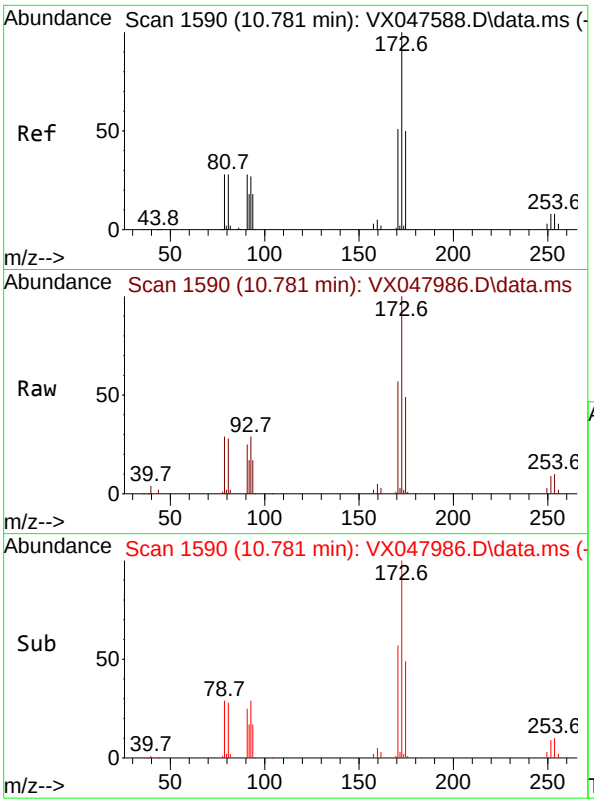


#70
Styrene
Concen: 19.042 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:104 Resp: 95723

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	53.0	43.1	64.7



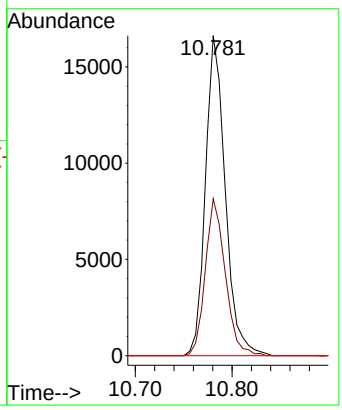


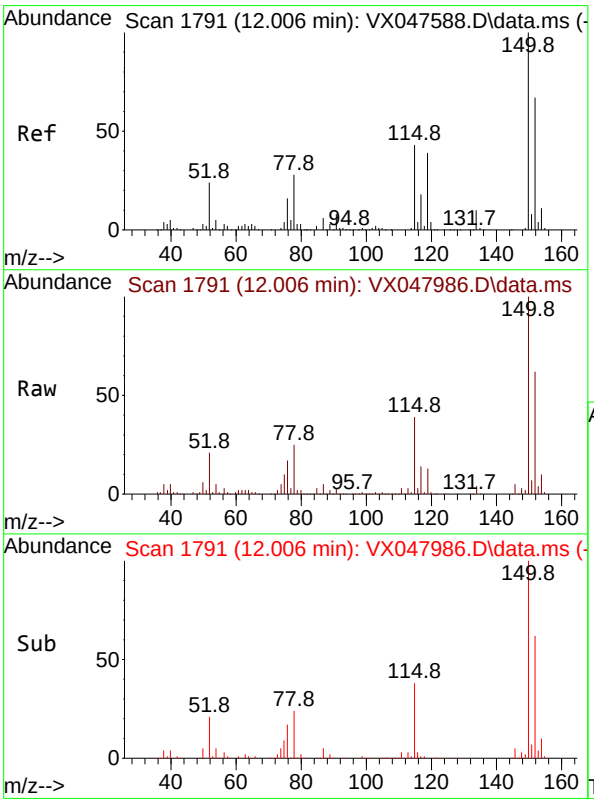
#71
Bromoform
Concen: 19.887 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:173 Resp: 23667

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1#

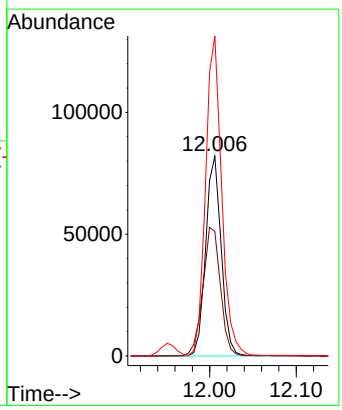


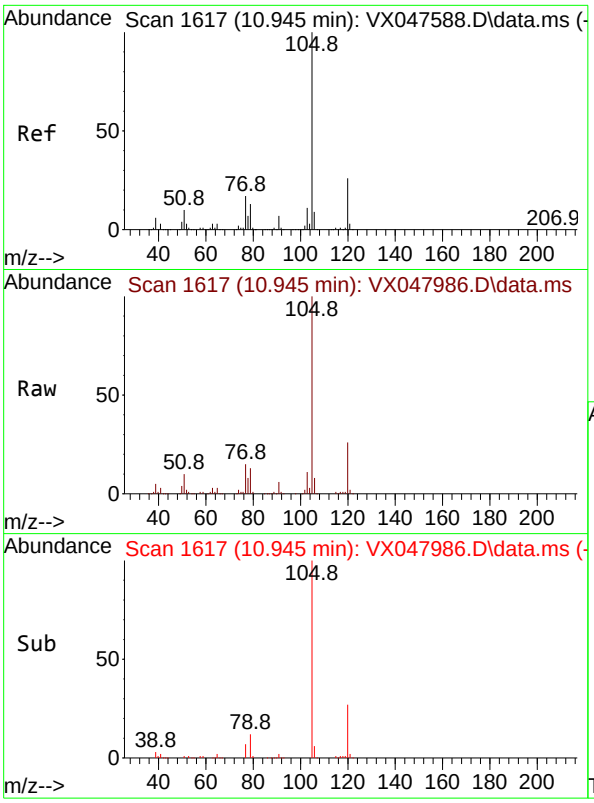


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:152 Resp: 101886

Ion	Ratio	Lower	Upper
152	100		
115	73.0	44.9	134.5
150	166.6	0.0	352.0



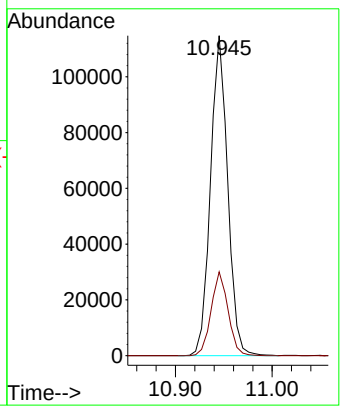


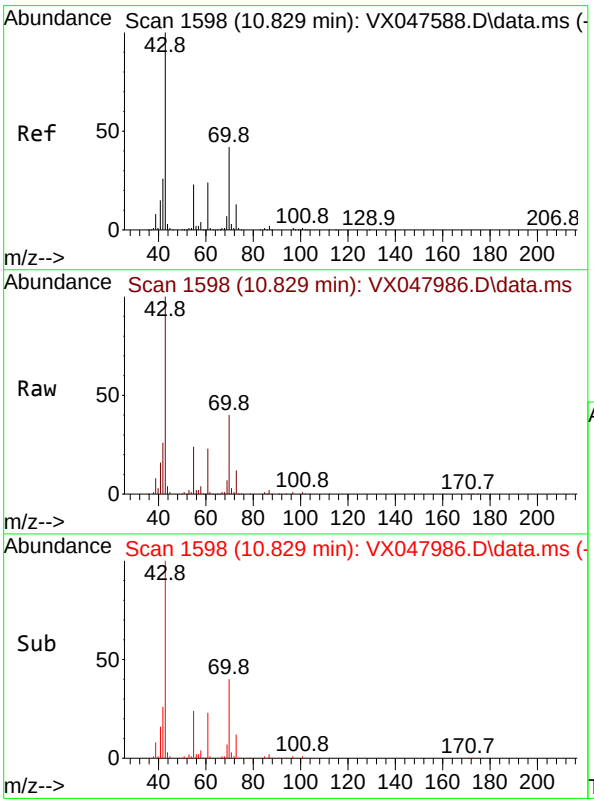
#73
Isopropylbenzene
Concen: 18.272 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:105 Resp: 141532

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

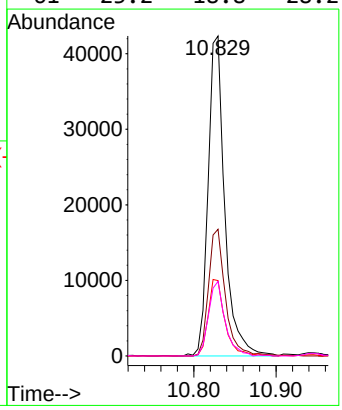


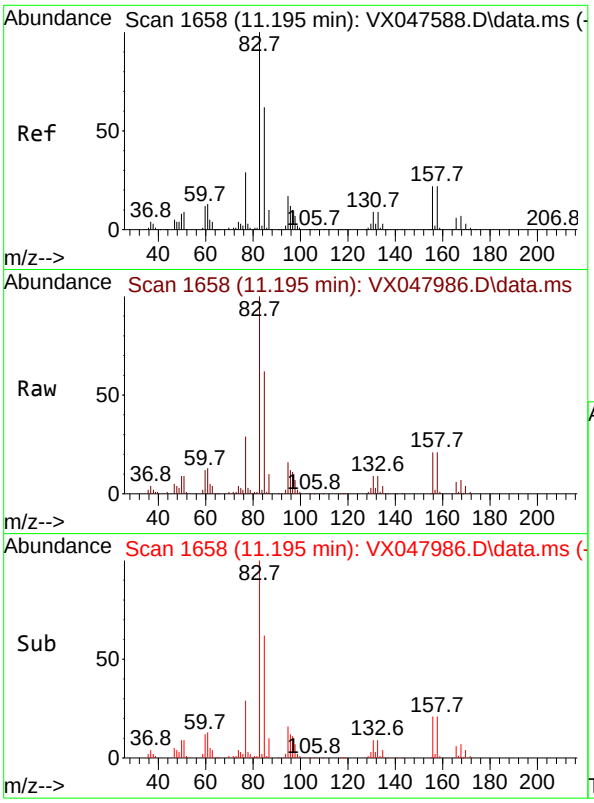


#74
N-amyl acetate
Concen: 16.852 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 59525

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.0	18.9	28.3
61	23.2	18.8	28.2



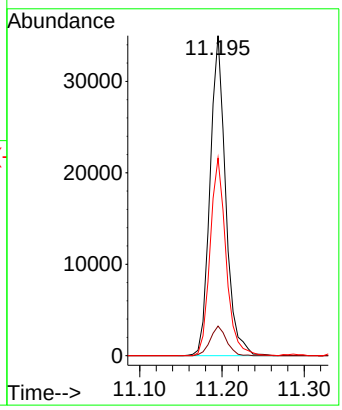


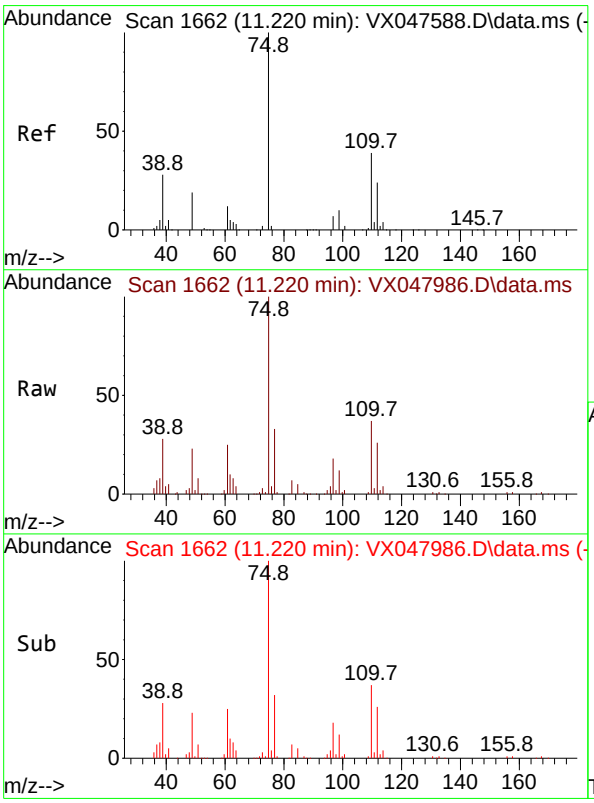
#75
1,1,2,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 83 Resp: 46242

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.0	31.6	95.0

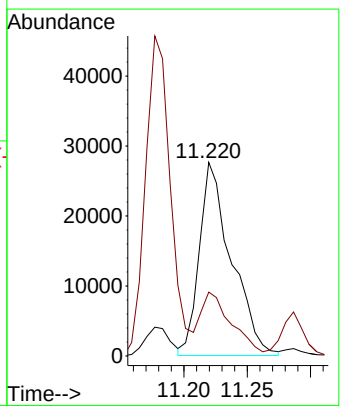


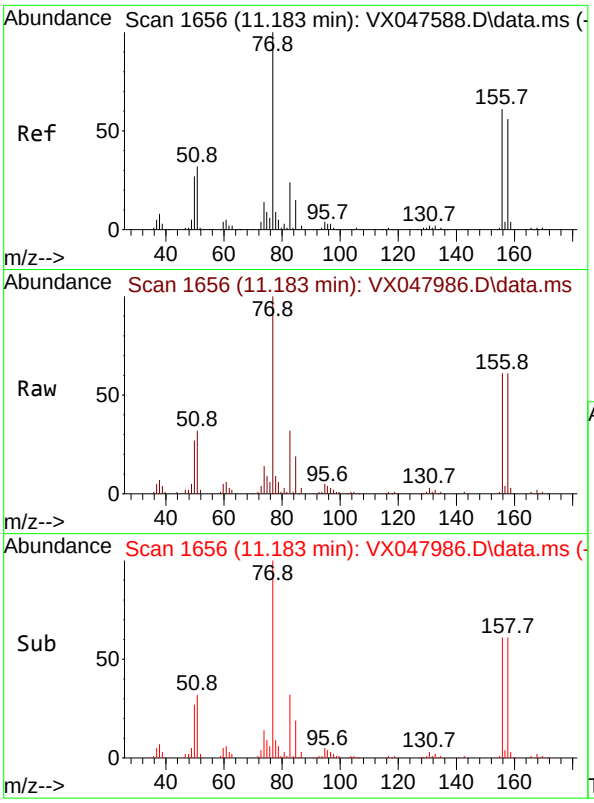


#76
1,2,3-Trichloropropane
Concen: 23.611 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 48706

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



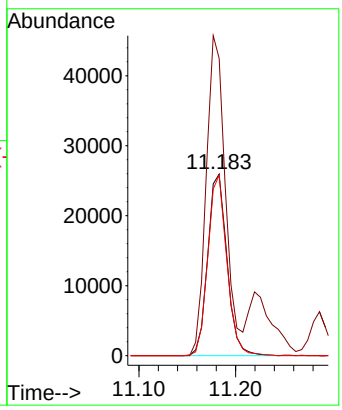


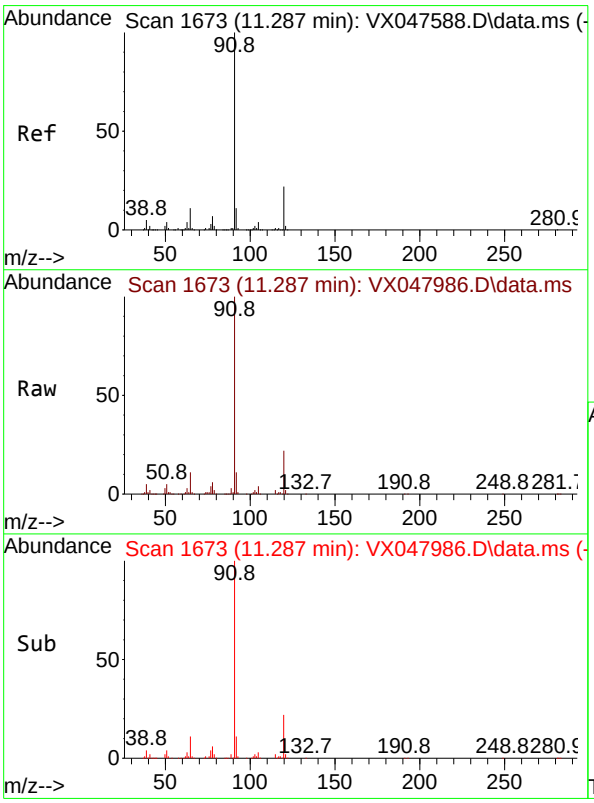
#77
Bromobenzene
Concen: 18.879 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:156 Resp: 36018

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	97.8	47.9	143.6

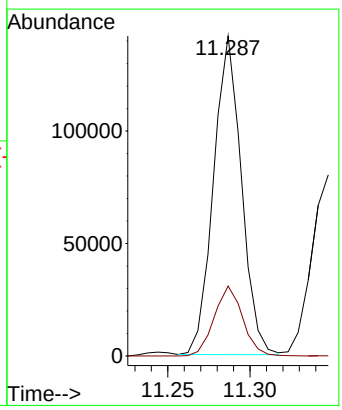


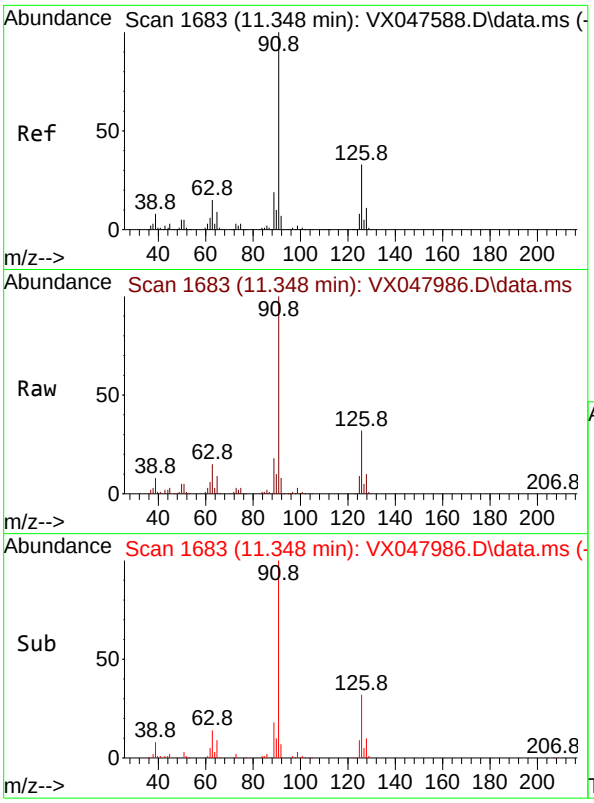


#78
n-propylbenzene
Concen: 18.236 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 166982

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



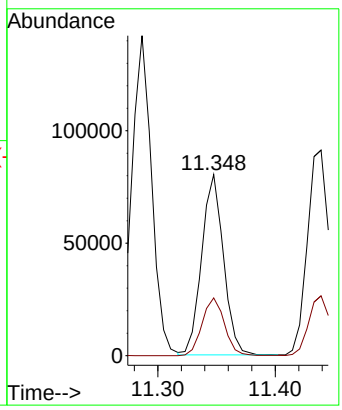


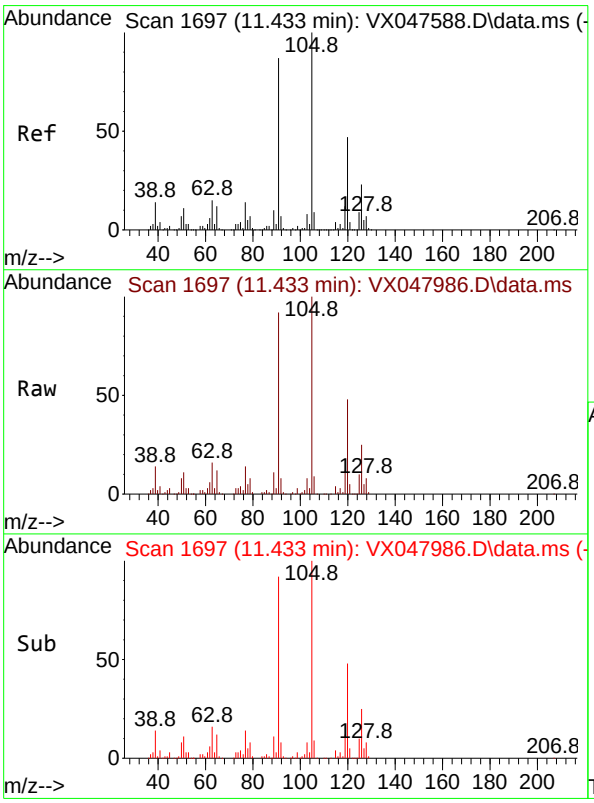
#79
2-Chlorotoluene
Concen: 18.452 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 91 Resp: 103483

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

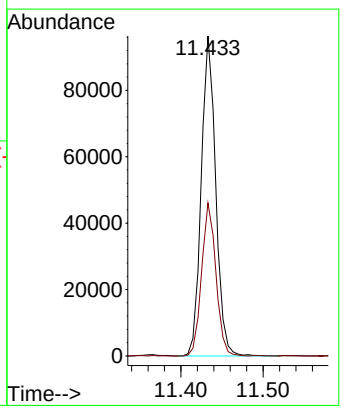


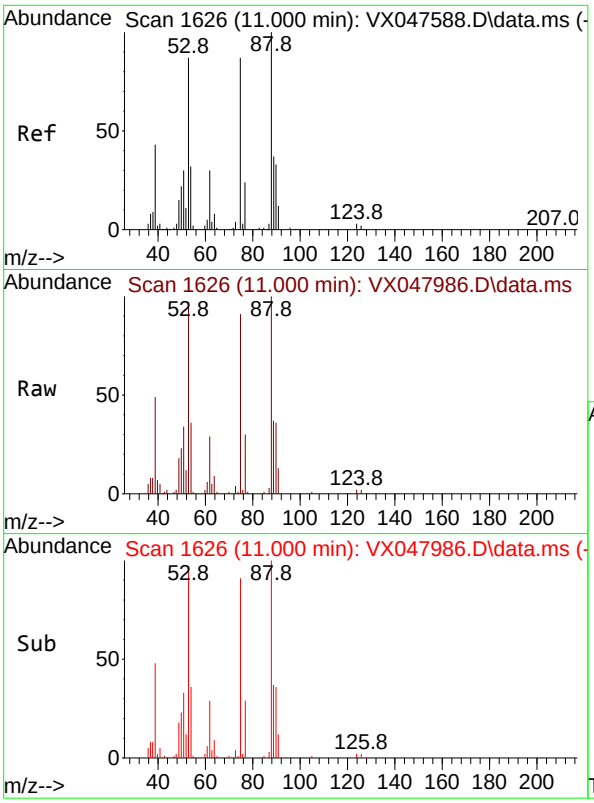


#80
1,3,5-Trimethylbenzene
Concen: 18.458 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 117466

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



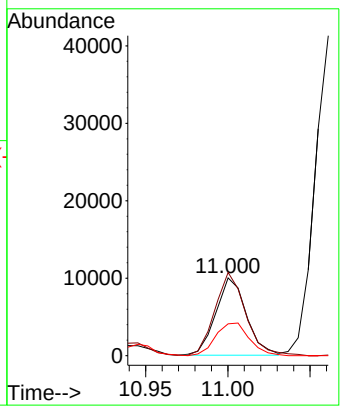


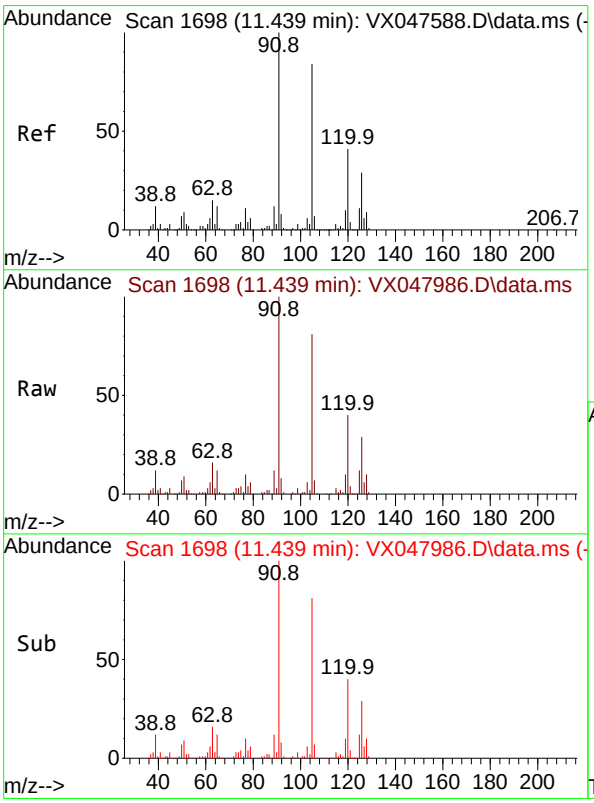
#81
trans-1,4-Dichloro-2-butene
Concen: 15.947 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 75 Resp: 12900

Ion	Ratio	Lower	Upper
75	100		
53	108.1	83.4	125.2
89	46.8	36.3	54.5

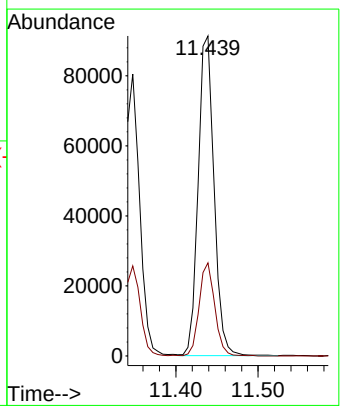


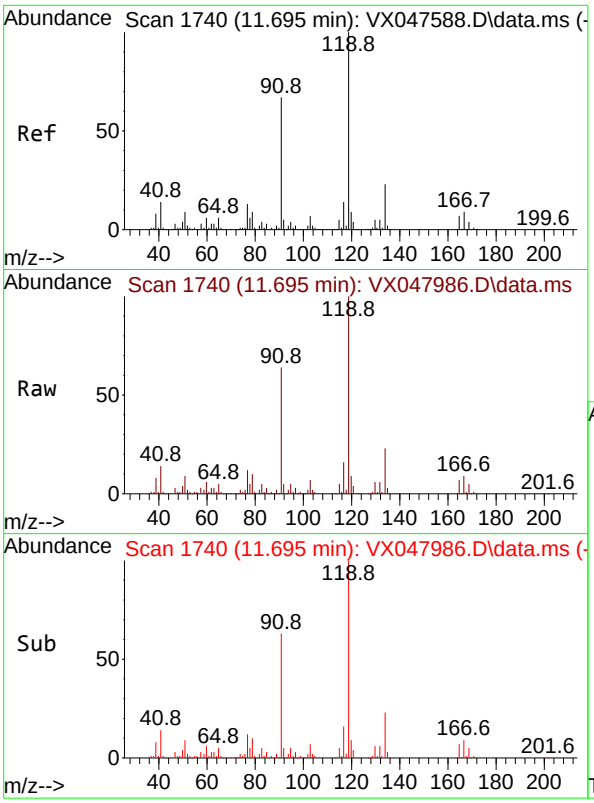


#82
4-Chlorotoluene
Concen: 18.469 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 122332

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



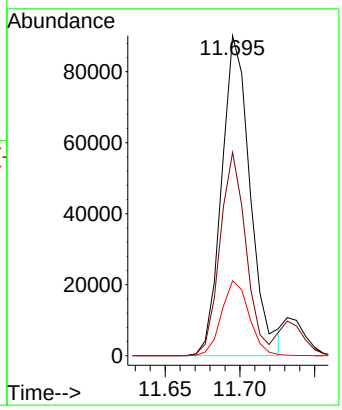


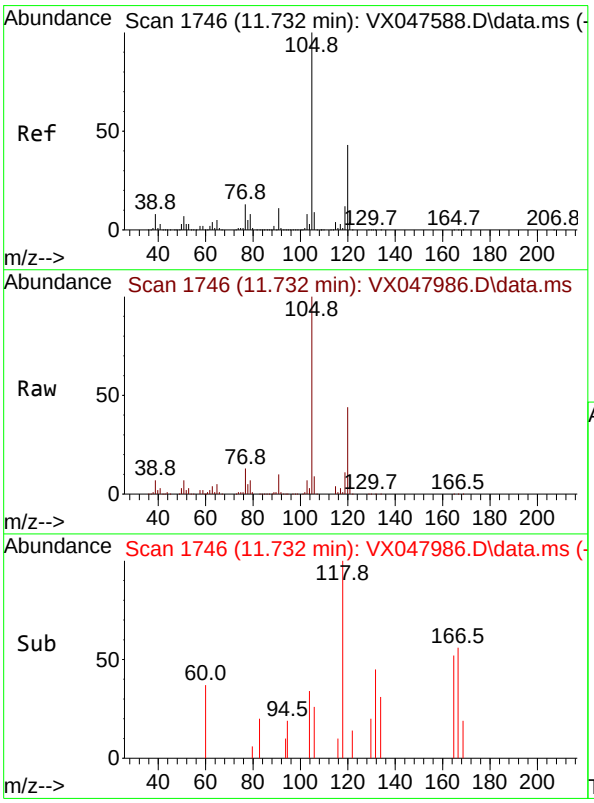
#83
tert-Butylbenzene
Concen: 18.388 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:119 Resp: 119792

Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.7	11.0	33.0

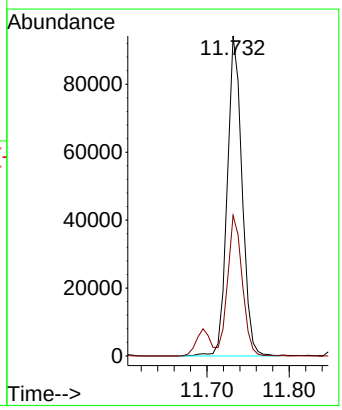


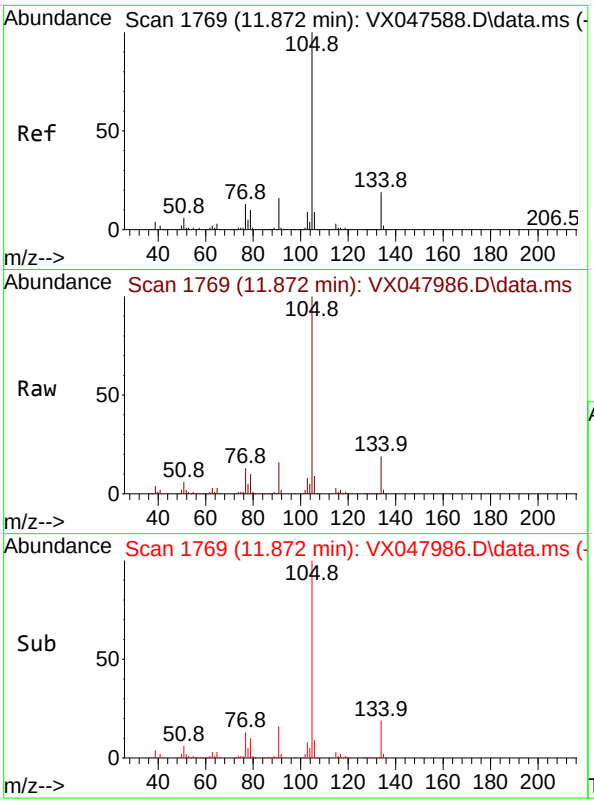


#84
1,2,4-Trimethylbenzene
Concen: 18.350 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 118395

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1



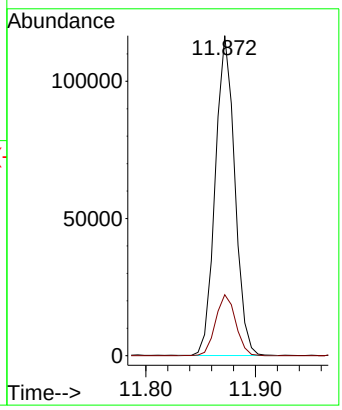


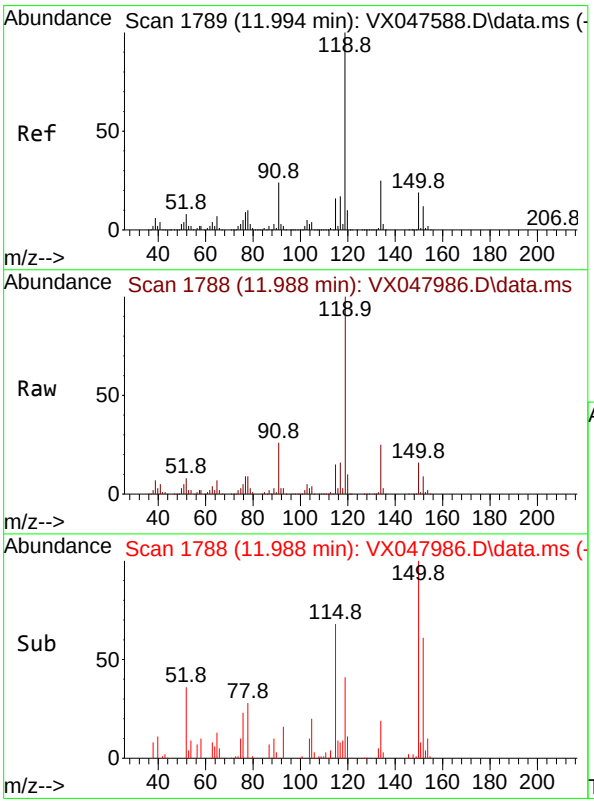
#85
sec-Butylbenzene
Concen: 18.651 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:105 Resp: 144326

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

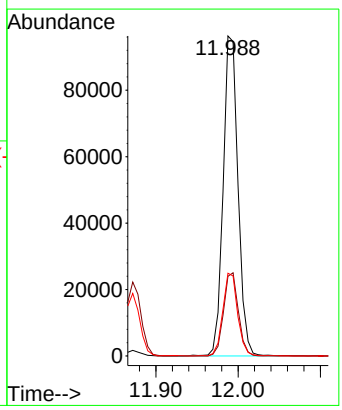


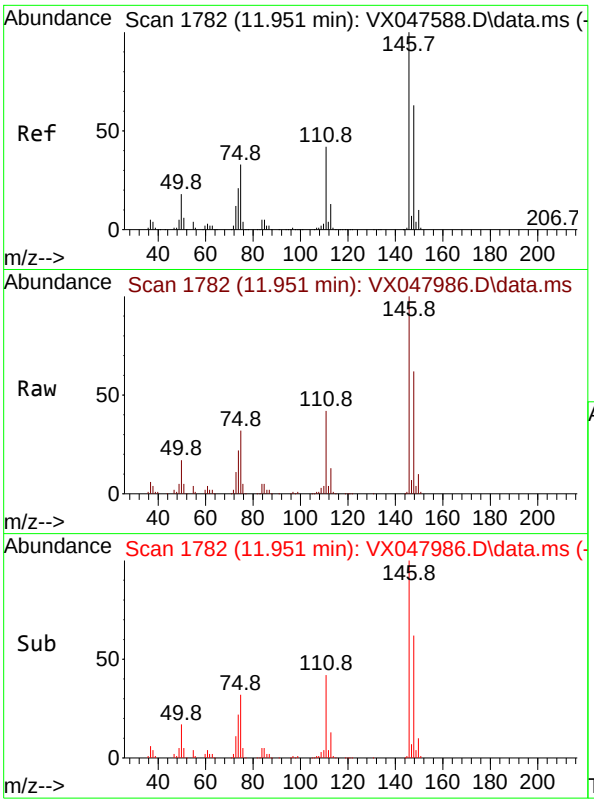


#86
p-Isopropyltoluene
Concen: 18.475 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:119 Resp: 121030

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.9	12.6	37.6



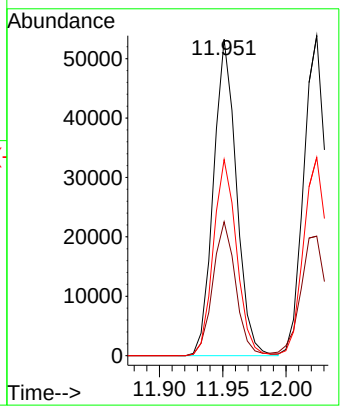


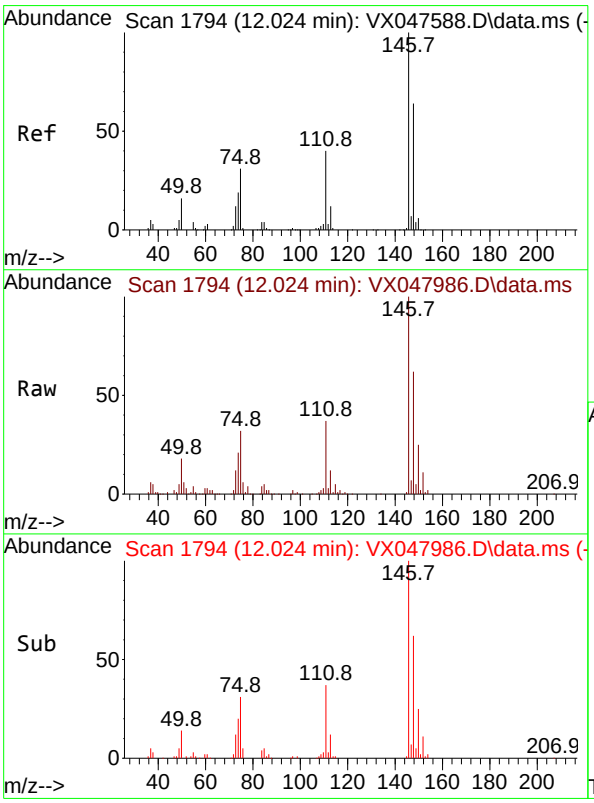
#87
1,3-Dichlorobenzene
Concen: 18.933 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:146 Resp: 67091

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	62.6	32.0	96.0

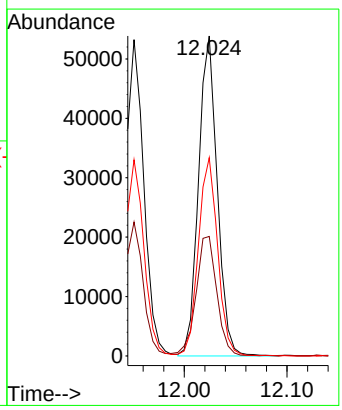


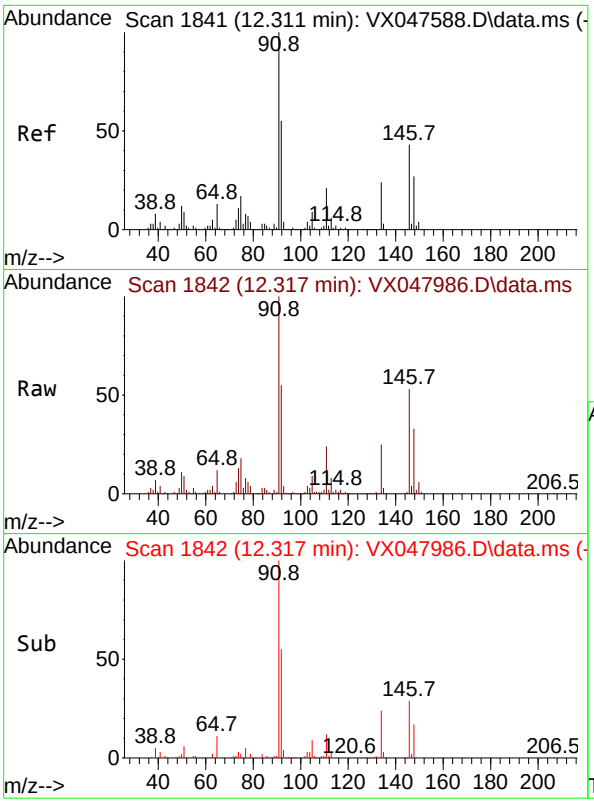


#88
1,4-Dichlorobenzene
Concen: 18.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 68424

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.7	95.1



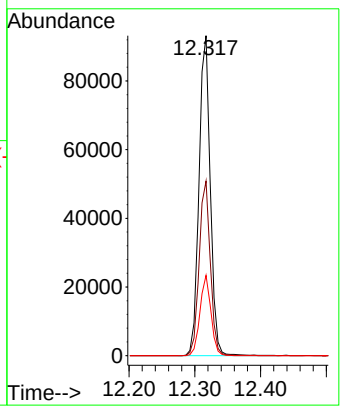


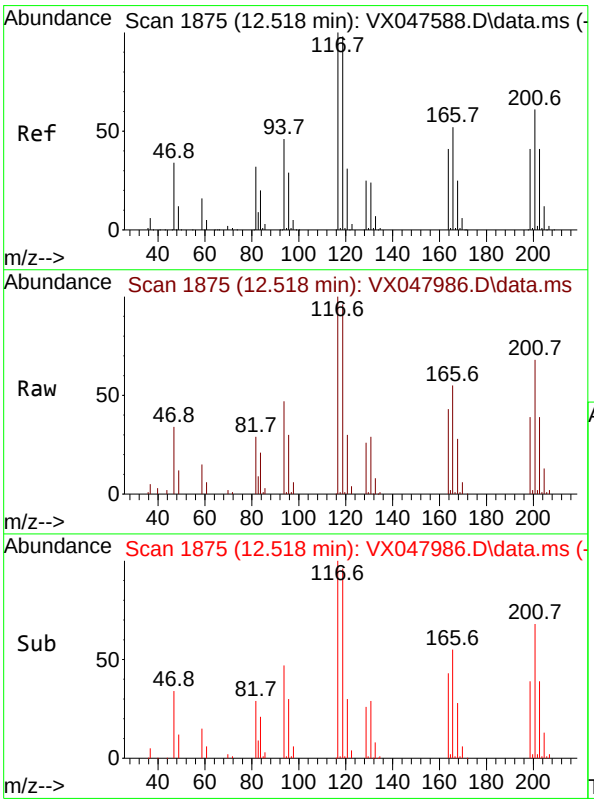
#89
n-Butylbenzene
Concen: 18.313 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 91 Resp: 111009

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	24.4	12.6	37.8

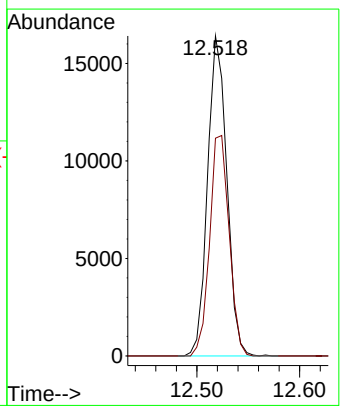


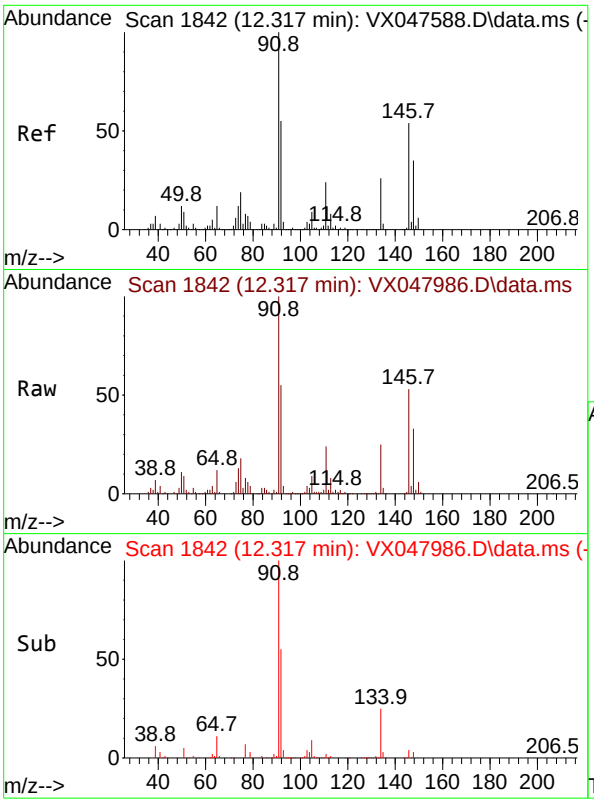


#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 21335

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.2	102.5



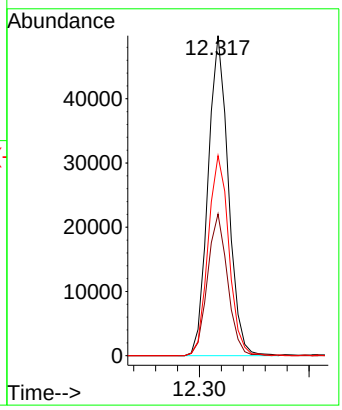


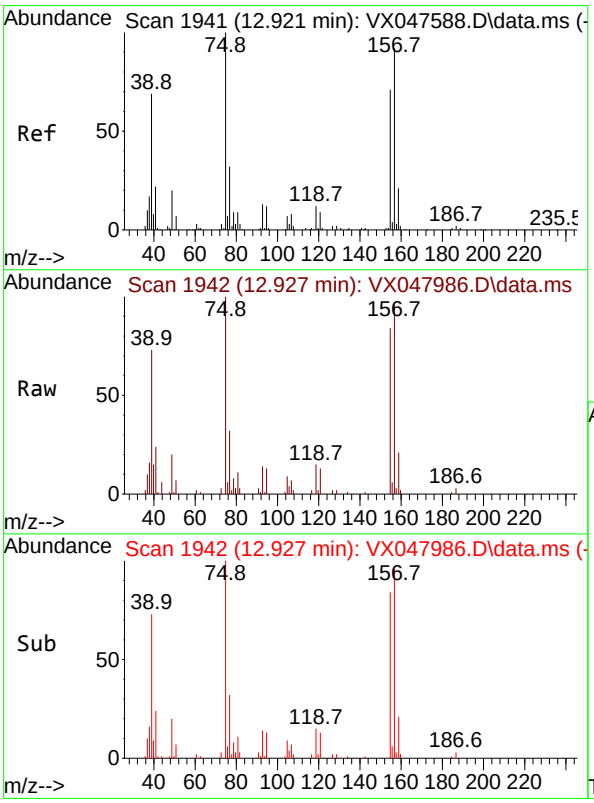
#91
1,2-Dichlorobenzene
Concen: 18.924 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:146 Resp: 63888

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.0	31.8	95.4

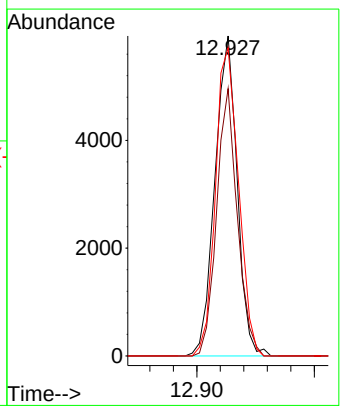


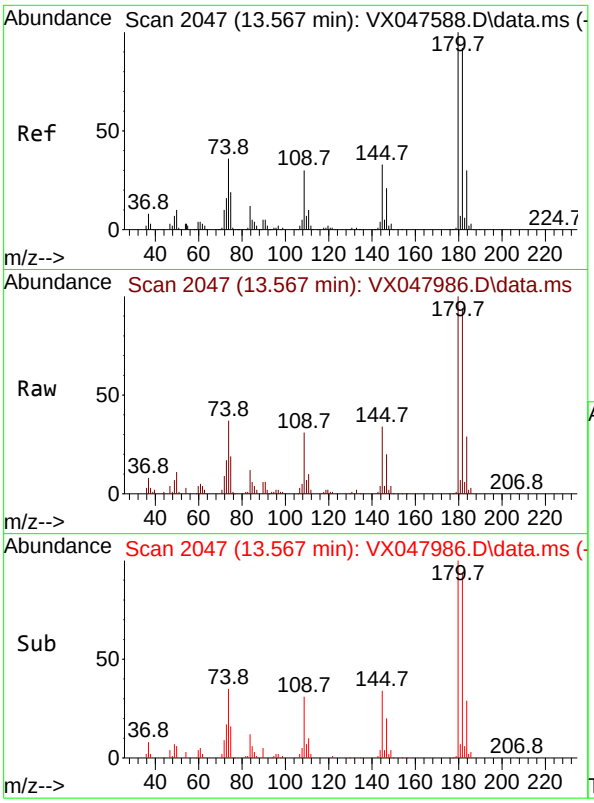


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.391 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 7777

Ion	Ratio	Lower	Upper
75	100		
155	78.3	37.7	113.1
157	100.2	49.8	149.4



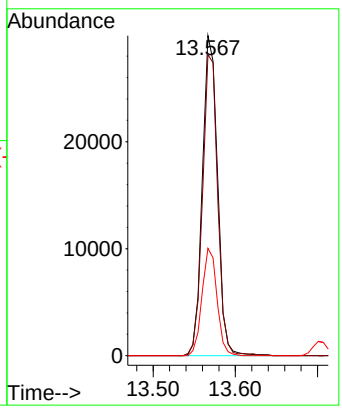


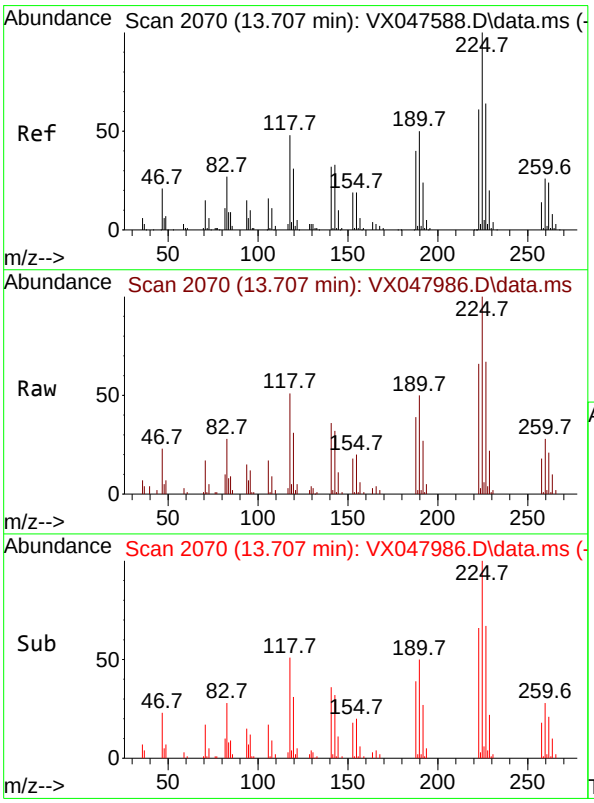
#93
1,2,4-Trichlorobenzene
Concen: 17.459 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:180 Resp: 38307

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	33.1	16.4	49.1

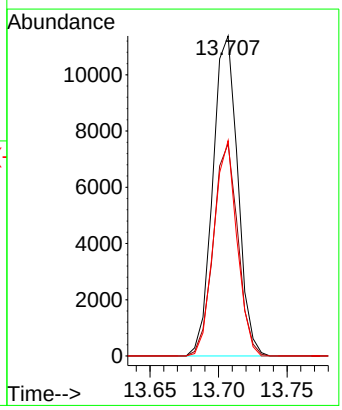


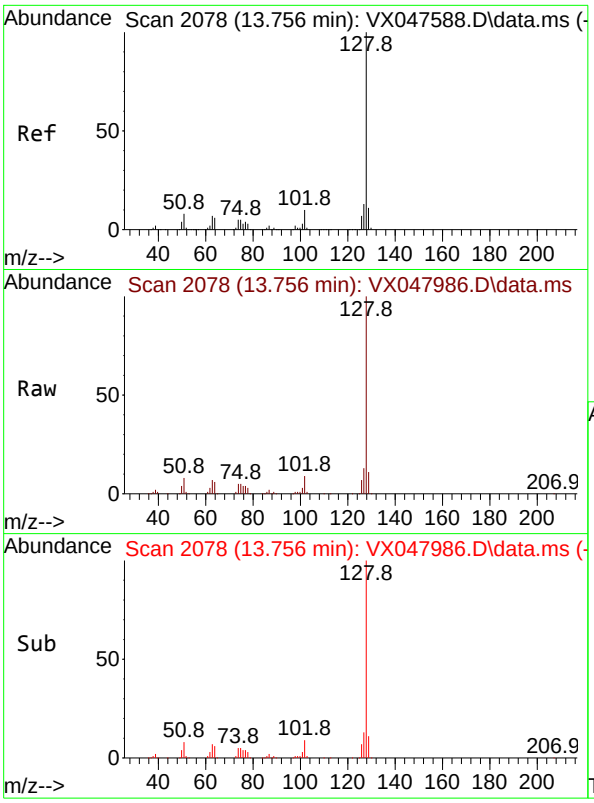


#94
Hexachlorobutadiene
Concen: 19.299 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:225 Resp: 14383

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.7	95.1
227	62.8	32.0	96.0



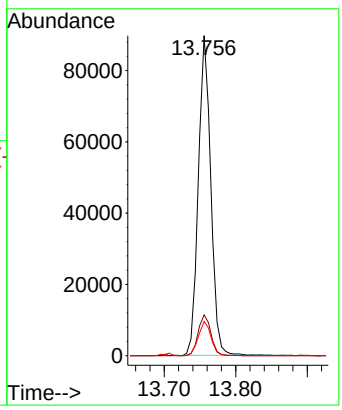


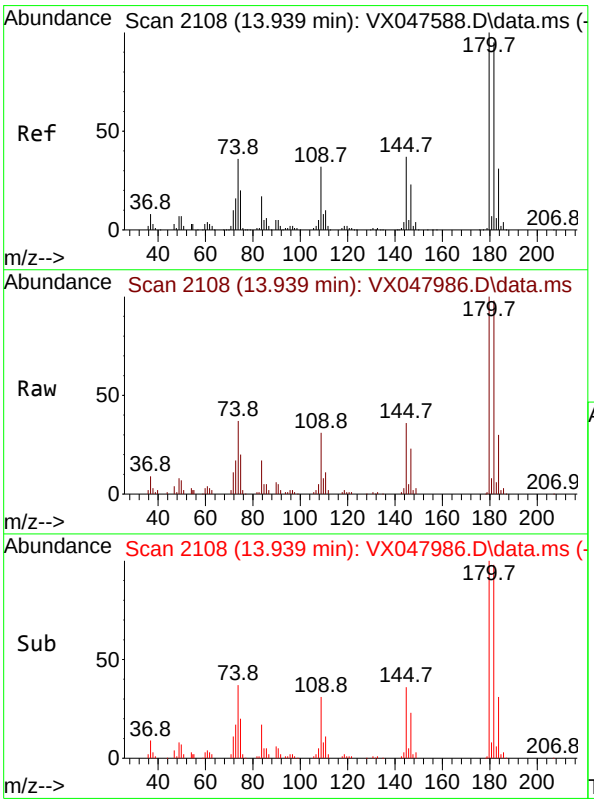
#95
Naphthalene
Concen: 16.216 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:128 Resp: 108339

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.8	13.2

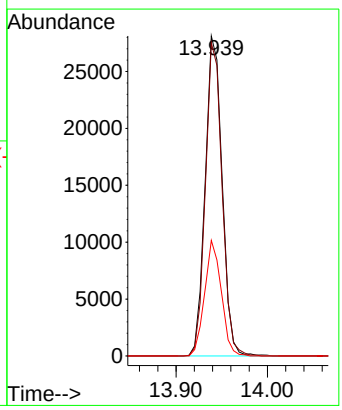




#96
1,2,3-Trichlorobenzene
Concen: 17.690 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:180 Resp: 36104

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	121964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	216314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101189	52.123	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.373	113	77975	53.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.500%			
50) Toluene-d8	8.634	98	268747	53.538	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.080%			
62) 4-Bromofluorobenzene	11.067	95	104011	54.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	64269	50.888	ug/l	99
3) Chloromethane	1.300	50	78377	47.219	ug/l	99
4) Vinyl Chloride	1.380	62	82083	50.518	ug/l	99
5) Bromomethane	1.611	94	52720	51.168	ug/l	99
6) Chloroethane	1.691	64	54620	50.296	ug/l	97
7) Trichlorofluoromethane	1.892	101	125952	52.207	ug/l	99
8) Diethyl Ether	2.136	74	52545	53.243	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	74685	52.942	ug/l	99
10) Methyl Iodide	2.453	142	104174	47.350	ug/l	99
11) Tert butyl alcohol	2.946	59	60030	277.639	ug/l	98
12) 1,1-Dichloroethene	2.325	96	73624	50.808	ug/l	99
13) Acrolein	2.239	56	62241	312.382	ug/l	99
14) Allyl chloride	2.666	41	147796	49.427	ug/l	97
15) Acrylonitrile	3.056	53	242158	302.366	ug/l	99
16) Acetone	2.373	43	189648	224.672	ug/l	99
17) Carbon Disulfide	2.514	76	178626	45.029	ug/l	99
18) Methyl Acetate	2.703	43	118258	62.951	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	291237	55.057	ug/l	99
20) Methylene Chloride	2.788	84	92949	52.021	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	80131	51.363	ug/l	98
22) Diisopropyl ether	3.757	45	317112	54.721	ug/l	98
23) Vinyl Acetate	3.715	43	1285643	277.195	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165810	53.832	ug/l	99
25) 2-Butanone	4.544	43	291270	276.631	ug/l	98
26) 2,2-Dichloropropane	4.471	77	116381	45.455	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102379	53.585	ug/l	98
28) Bromochloromethane	4.891	49	73476	54.642	ug/l	100
29) Tetrahydrofuran	4.989	42	187660	296.268	ug/l	99
30) Chloroform	5.086	83	175073	56.248	ug/l	99
31) Cyclohexane	5.458	56	120465	46.959	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143918	54.512	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105494	49.765	ug/l	98
37) Ethyl Acetate	4.702	43	127109	56.001	ug/l	99
38) Carbon Tetrachloride	5.665	117	121389	52.703	ug/l	99
39) Methylcyclohexane	7.366	83	114768	47.695	ug/l	100
40) Benzene	6.025	78	344294	53.474	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	66987	57.167	ug/l		98
42) 1,2-Dichloroethane	6.080	62	131871	53.830	ug/l		98
43) Isopropyl Acetate	6.324	43	206579	55.494	ug/l		99
44) Trichloroethene	7.116	130	83248	53.481	ug/l		97
45) 1,2-Dichloropropane	7.415	63	93587	56.766	ug/l		99
46) Dibromomethane	7.568	93	67001	55.847	ug/l		99
47) Bromodichloromethane	7.805	83	140393	56.708	ug/l		96
48) Methyl methacrylate	7.677	41	105169	56.718	ug/l		99
49) 1,4-Dioxane	7.647	88	24409	1302.577	ug/l		98
51) 4-Methyl-2-Pentanone	8.561	43	630287	305.381	ug/l		100
52) Toluene	8.702	92	213298	53.771	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	138150	54.707	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	145937	54.069	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89957	58.812	ug/l		98
56) Ethyl methacrylate	9.104	69	140282	58.399	ug/l		97
57) 1,3-Dichloropropane	9.293	76	153150	58.287	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	367023	314.582	ug/l		100
59) 2-Hexanone	9.415	43	437450	295.111	ug/l		99
60) Dibromochloromethane	9.506	129	104201	59.125	ug/l		100
61) 1,2-Dibromoethane	9.592	107	92159	59.155	ug/l		99
64) Tetrachloroethene	9.262	164	66296	51.587	ug/l		97
65) Chlorobenzene	10.061	112	242210	54.082	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	87628	56.702	ug/l		99
67) Ethyl Benzene	10.177	91	412286	53.354	ug/l		99
68) m/p-Xylenes	10.287	106	309036	107.446	ug/l		99
69) o-Xylene	10.628	106	150235	54.003	ug/l		100
70) Styrene	10.640	104	265668	54.501	ug/l		99
71) Bromoform	10.780	173	67964	58.896	ug/l	#	99
73) Isopropylbenzene	10.945	105	386001	51.600	ug/l		99
74) N-amyl acetate	10.829	43	183701	53.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	130791	57.788	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	141901	71.228	ug/l		89
77) Bromobenzene	11.183	156	97069	52.685	ug/l		98
78) n-propylbenzene	11.286	91	456676	51.642	ug/l		100
79) 2-Chlorotoluene	11.347	91	281421	51.959	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	322291	52.439	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	39131	50.090	ug/l		98
82) 4-Chlorotoluene	11.439	91	330375	51.647	ug/l		99
83) tert-Butylbenzene	11.695	119	323116	51.357	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	323106	51.854	ug/l		100
85) sec-Butylbenzene	11.872	105	390181	52.211	ug/l		100
86) p-Isopropyltoluene	11.994	119	327789	51.810	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	178037	52.025	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	179124	50.999	ug/l		98
89) n-Butylbenzene	12.317	91	302237	51.628	ug/l		99
90) Hexachloroethane	12.518	117	59911	53.936	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	174153	53.416	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25279	55.167	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	108041	50.989	ug/l		99
94) Hexachlorobutadiene	13.707	225	37259	51.768	ug/l		97
95) Naphthalene	13.756	128	355616	55.115	ug/l		99
96) 1,2,3-Trichlorobenzene	13.944	180	105613	53.582	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

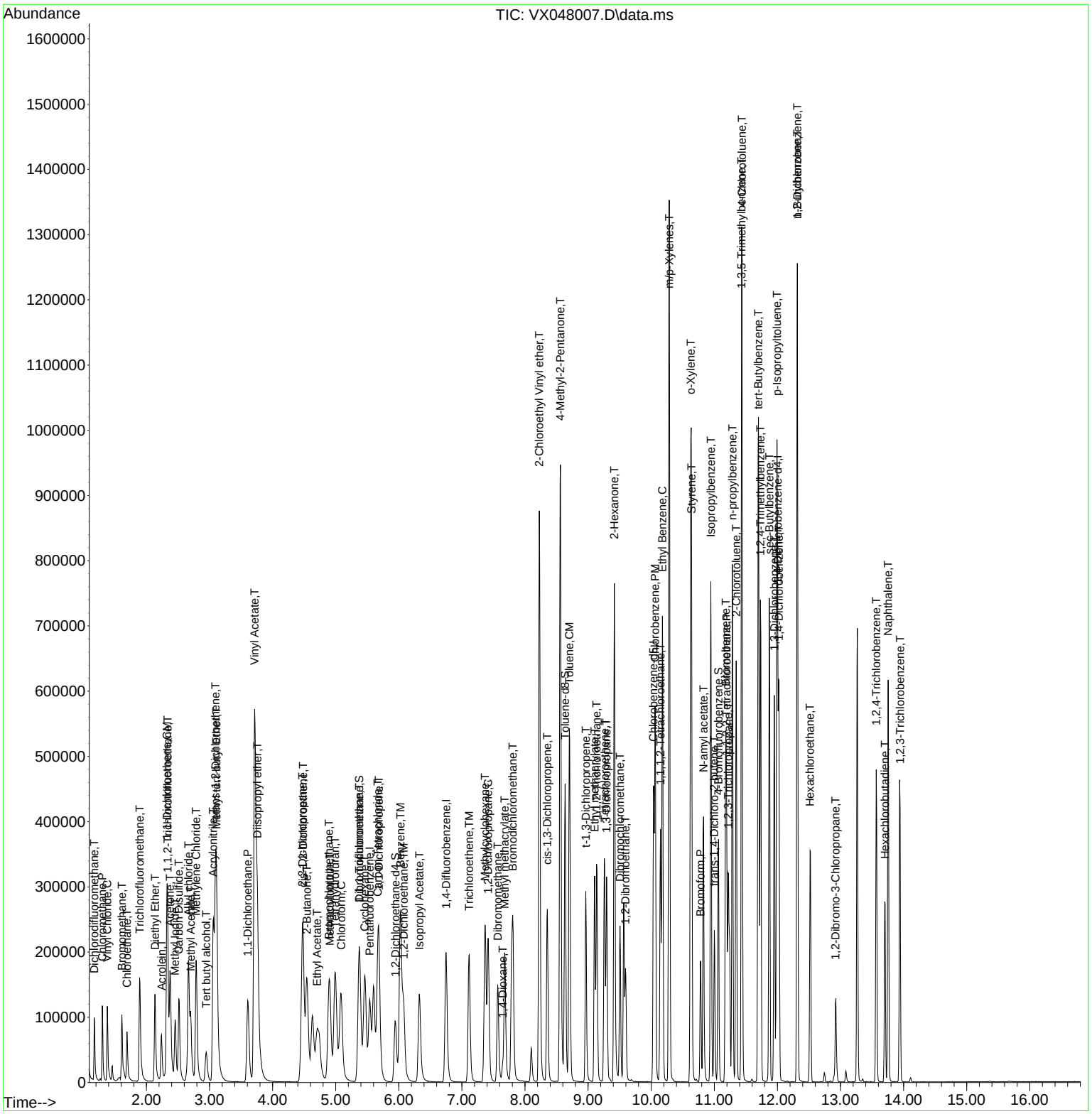
(#) = qualifier out of range (m) = manual integration (+) = signals summed

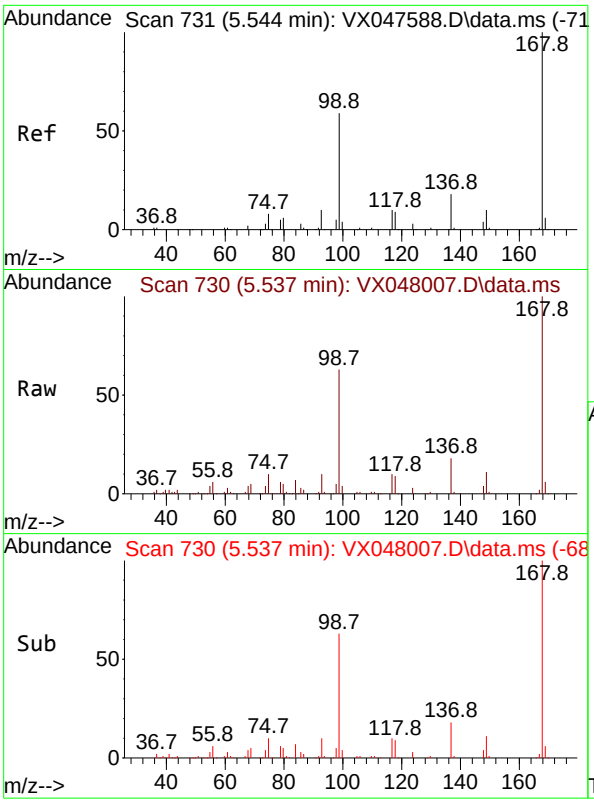
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



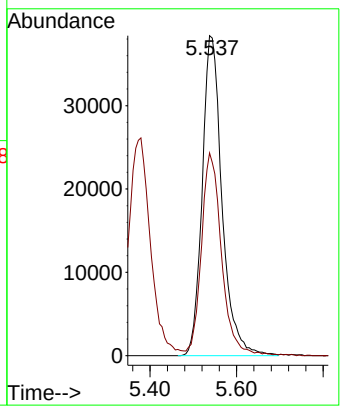


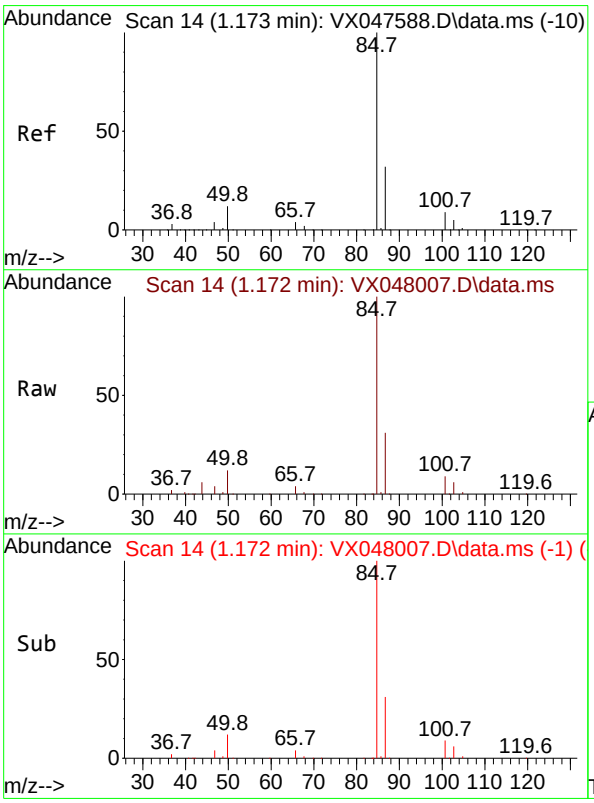
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 121964

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

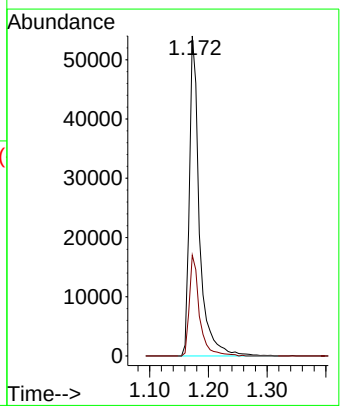


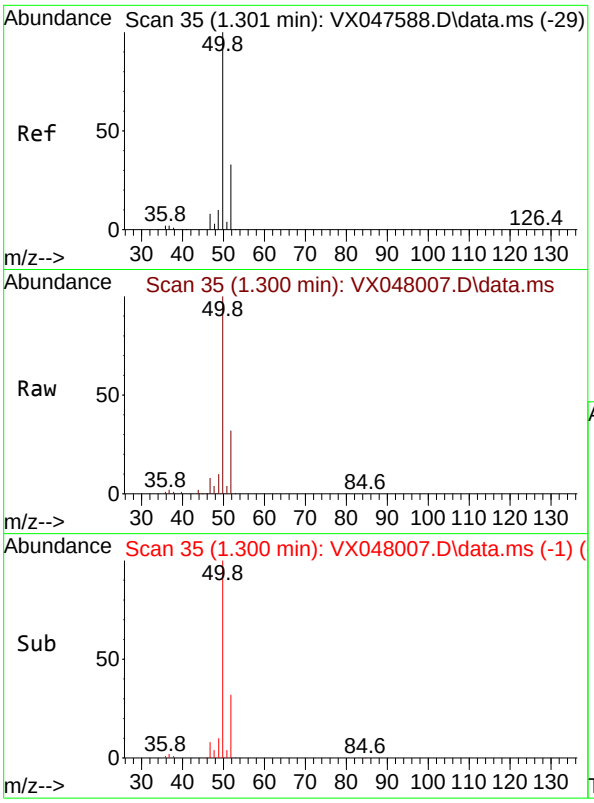


#2
Dichlorodifluoromethane
Concen: 50.888 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 85 Resp: 64269

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



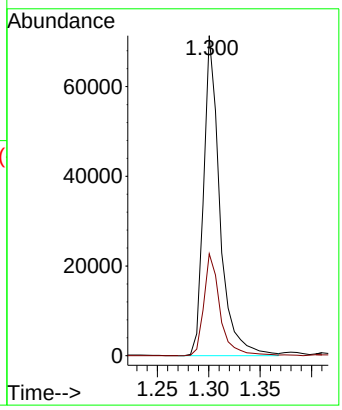


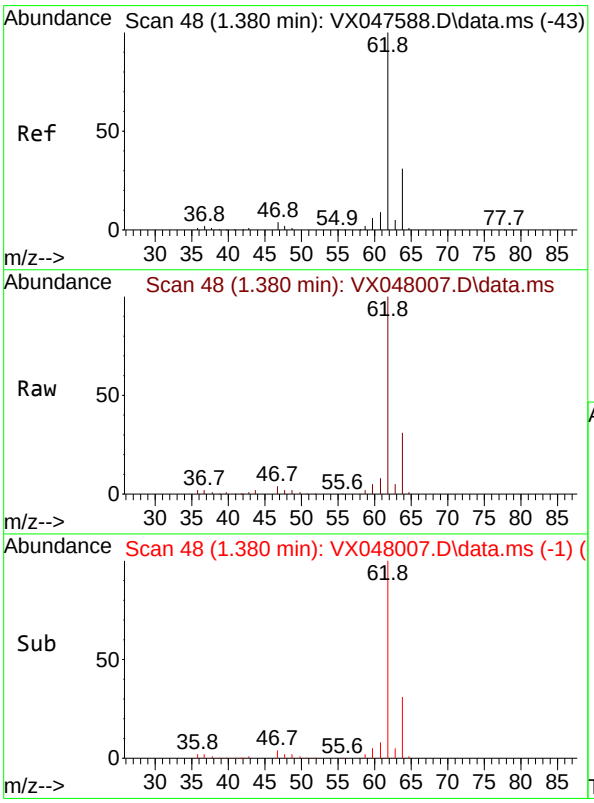
#3
Chloromethane
Concen: 47.219 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 78377

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1

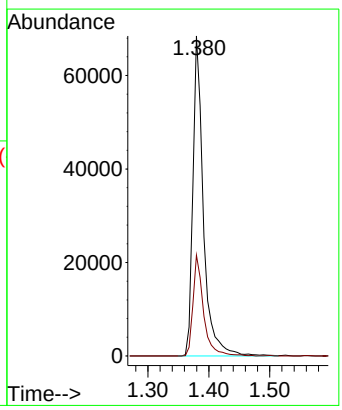


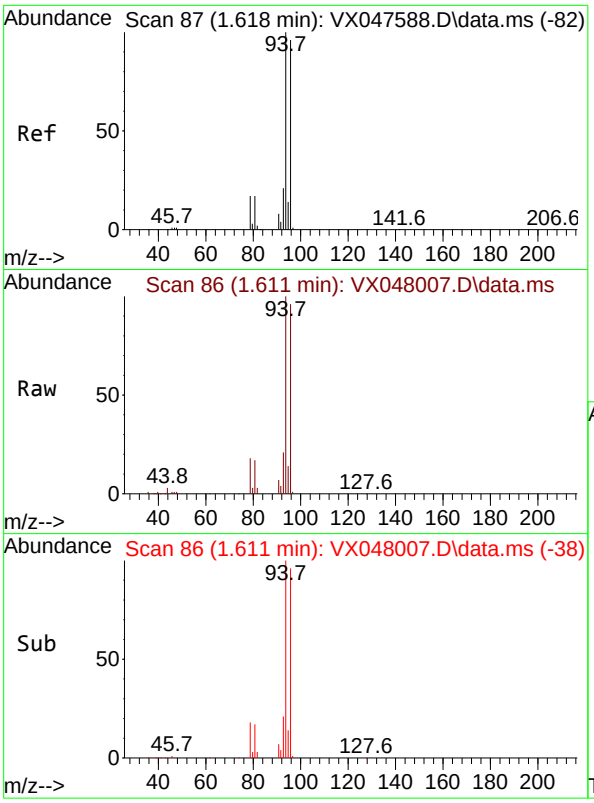


#4
Vinyl Chloride
Concen: 50.518 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 82083

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3



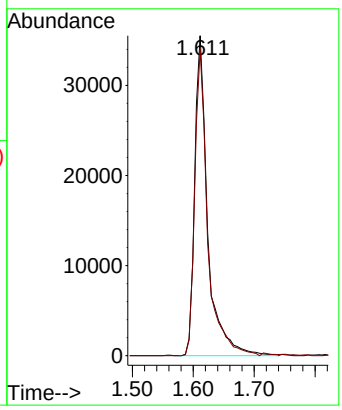


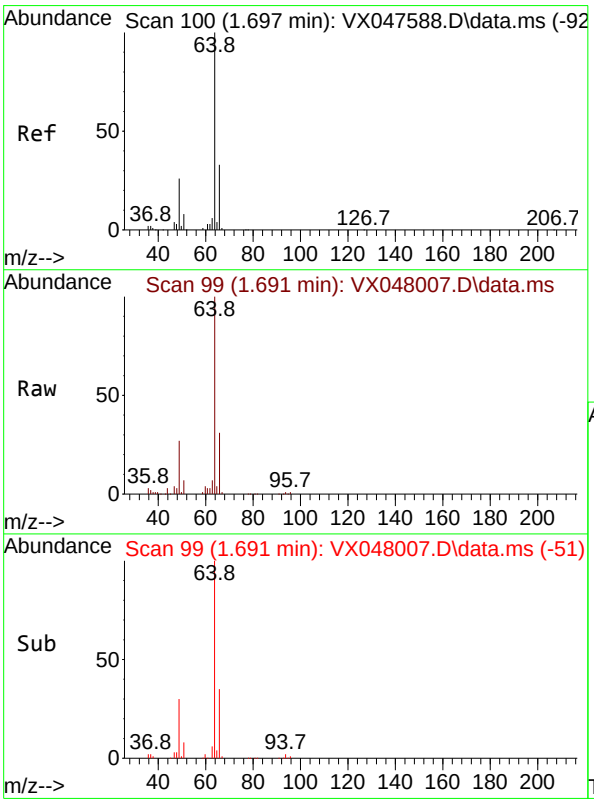
#5
Bromomethane
Concen: 51.168 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 52720

Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0

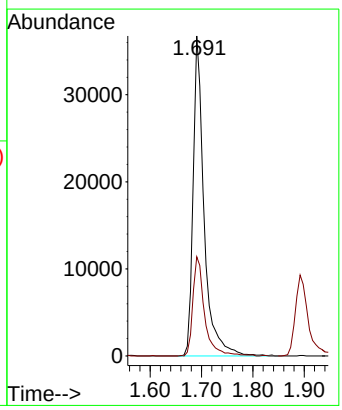


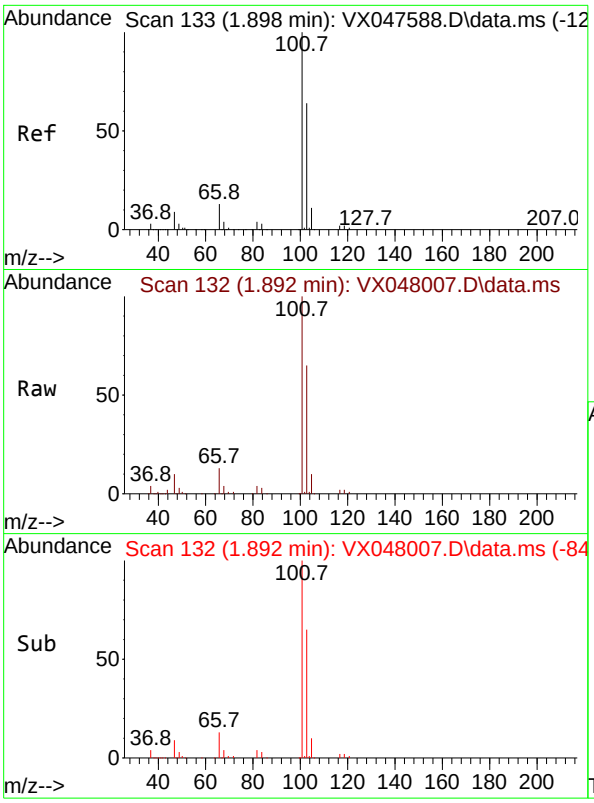


#6
Chloroethane
Concen: 50.296 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 64 Resp: 54620

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



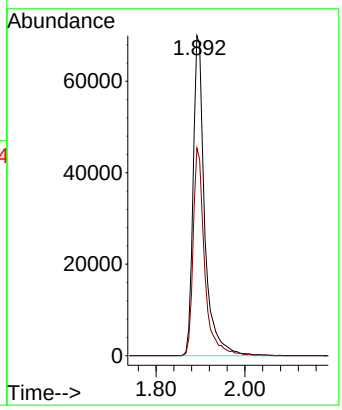


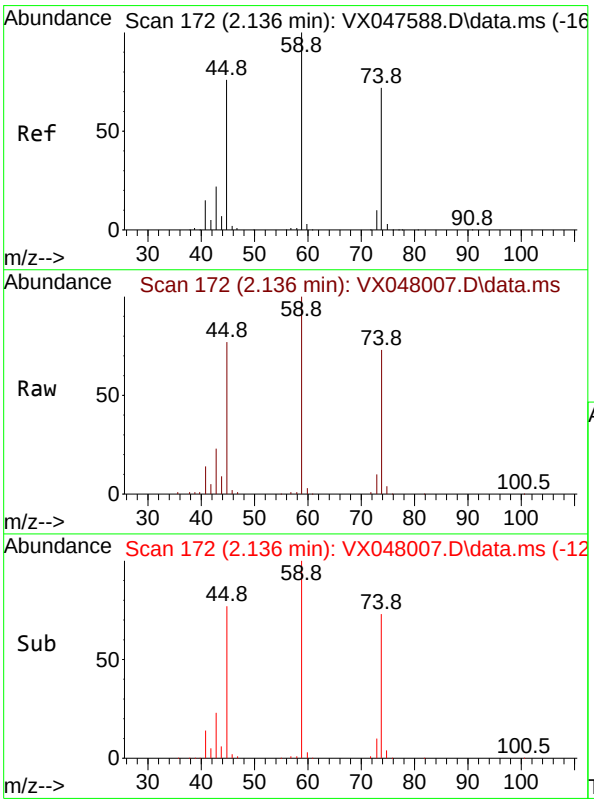
#7
Trichlorofluoromethane
Concen: 52.207 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 125952

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

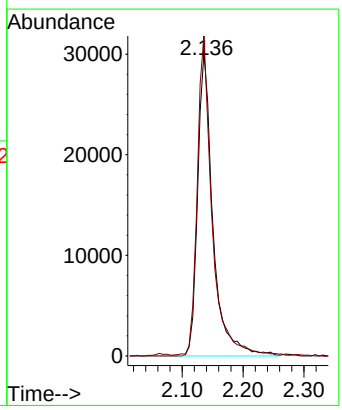


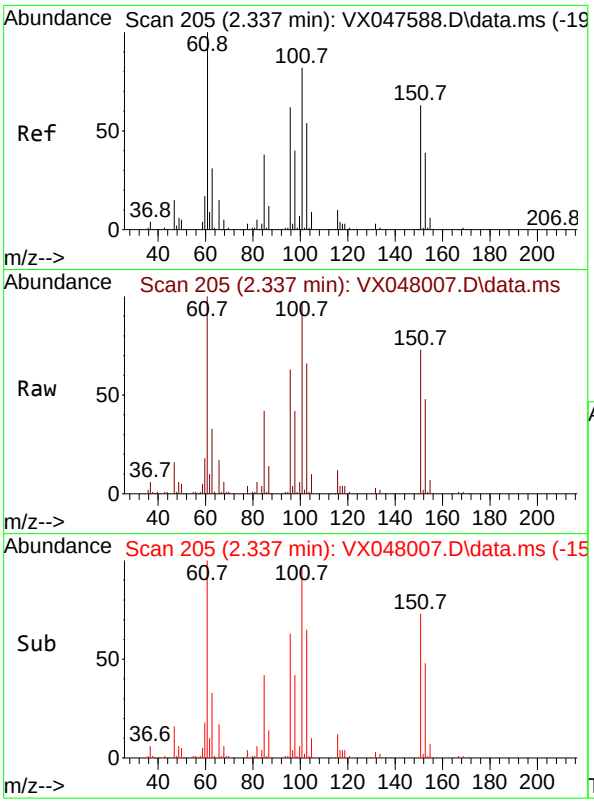


#8
Diethyl Ether
Concen: 53.243 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 74 Resp: 52545

Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	156.8



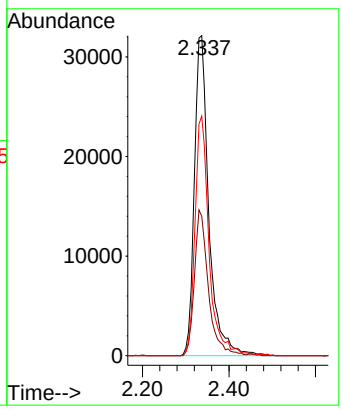


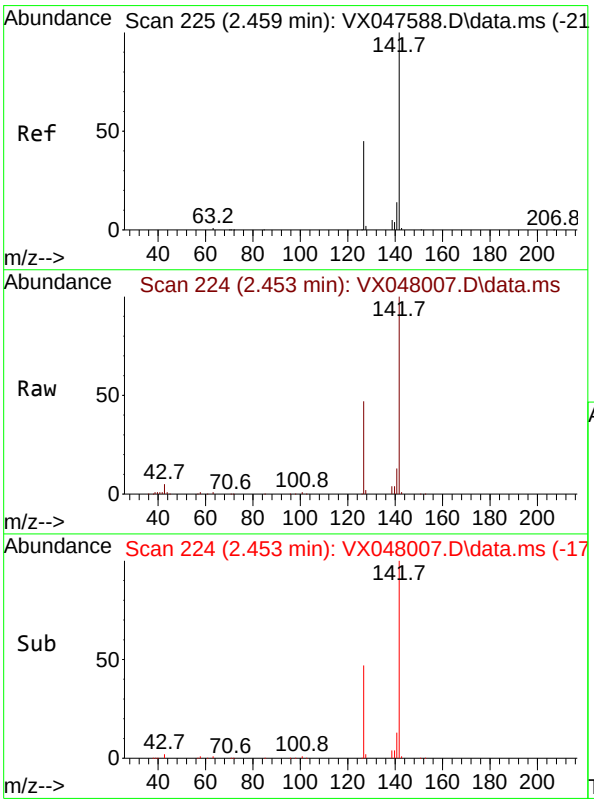
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.942 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 74685

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	73.2	59.4	89.0

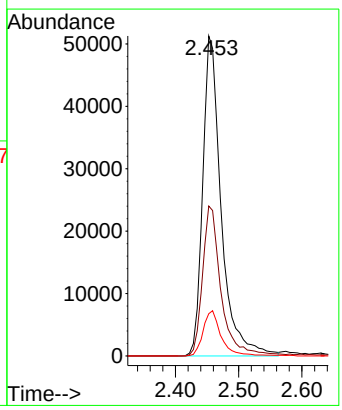


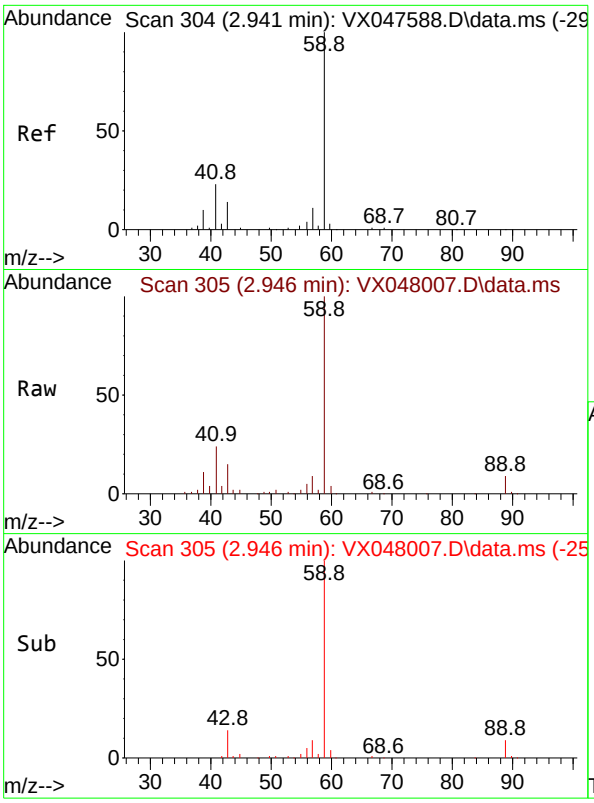


#10
Methyl Iodide
Concen: 47.350 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:142 Resp: 104174

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.2	55.8
141	14.1	11.4	17.0



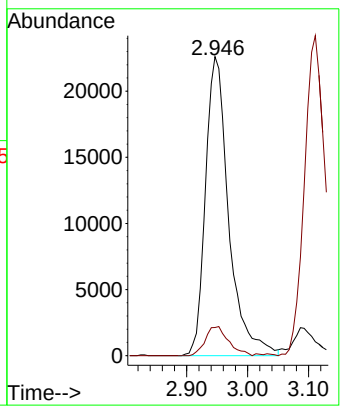


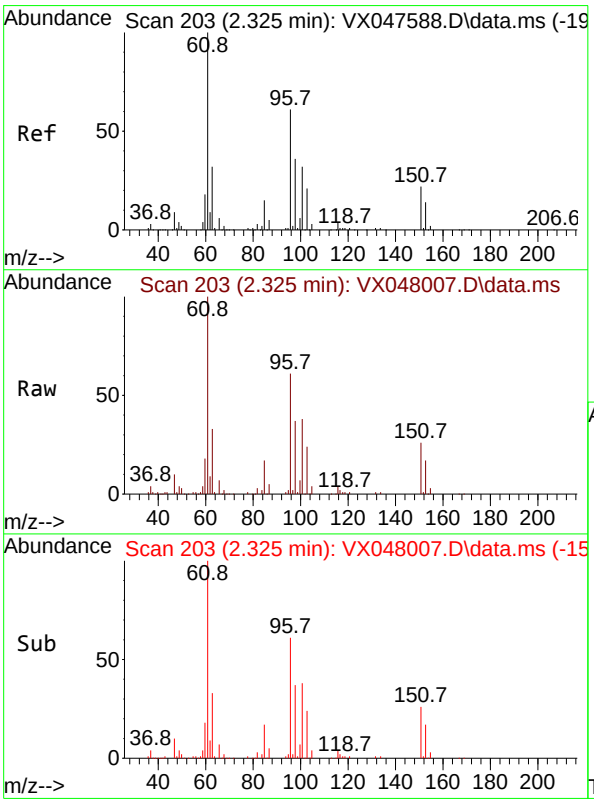
#11
Tert butyl alcohol
Concen: 277.639 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 60030

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

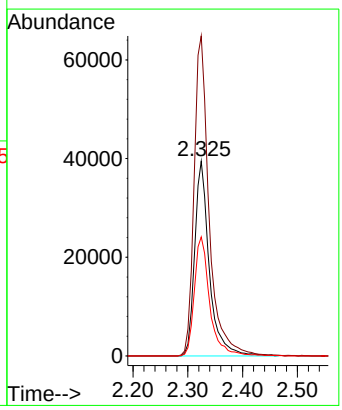


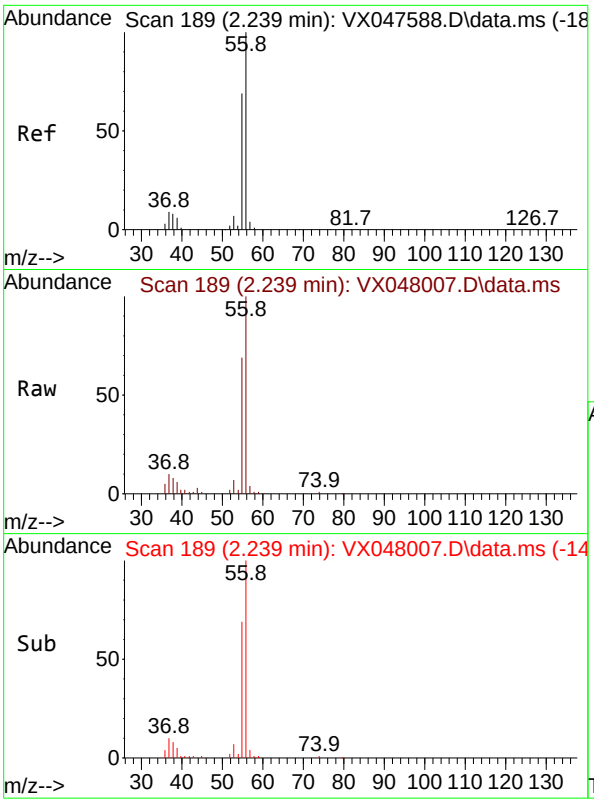


#12
1,1-Dichloroethene
Concen: 50.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 73624

Ion	Ratio	Lower	Upper
96	100		
61	164.4	131.0	196.6
98	61.2	47.7	71.5



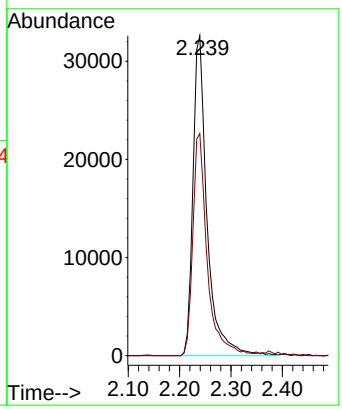


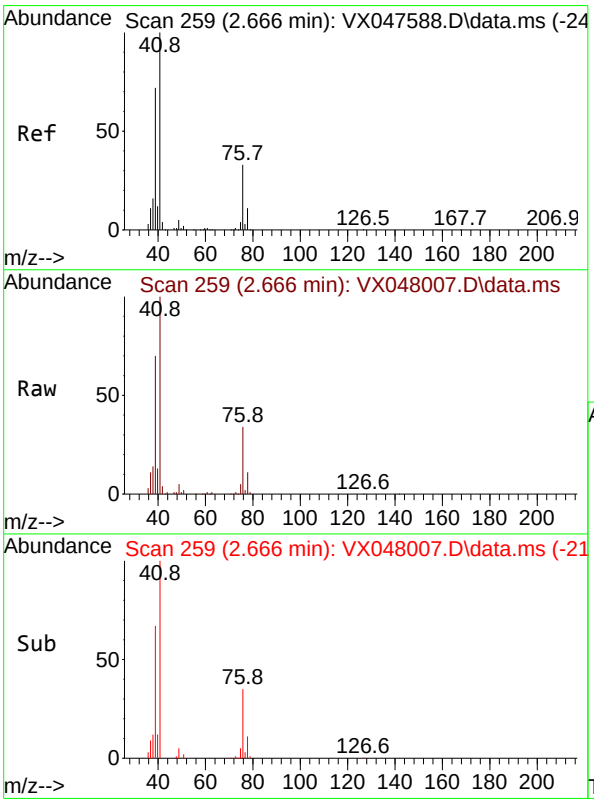
#13
Acrolein
Concen: 312.382 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 62241

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8

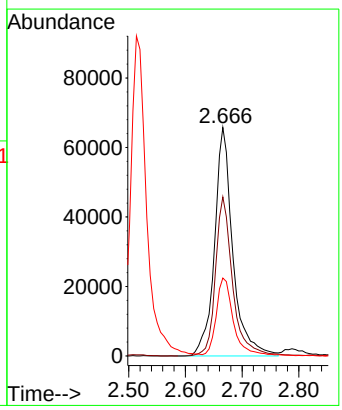


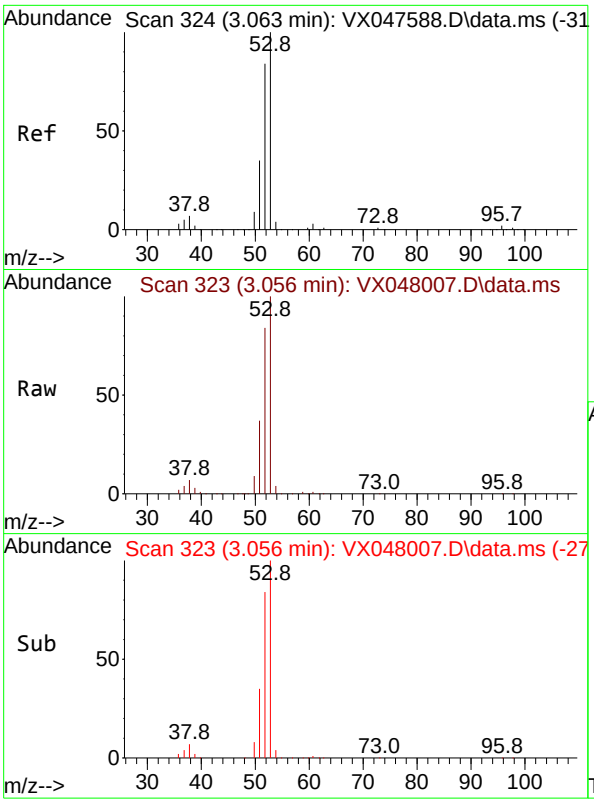


#14
Allyl chloride
Concen: 49.427 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 147796

Ion	Ratio	Lower	Upper
41	100		
39	65.6	54.7	82.1
76	31.9	25.7	38.5



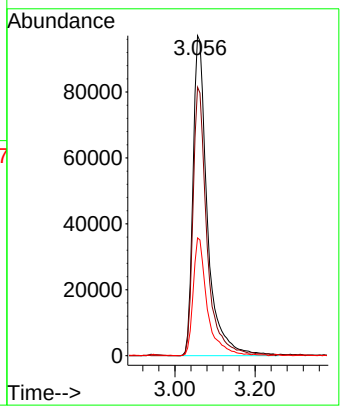


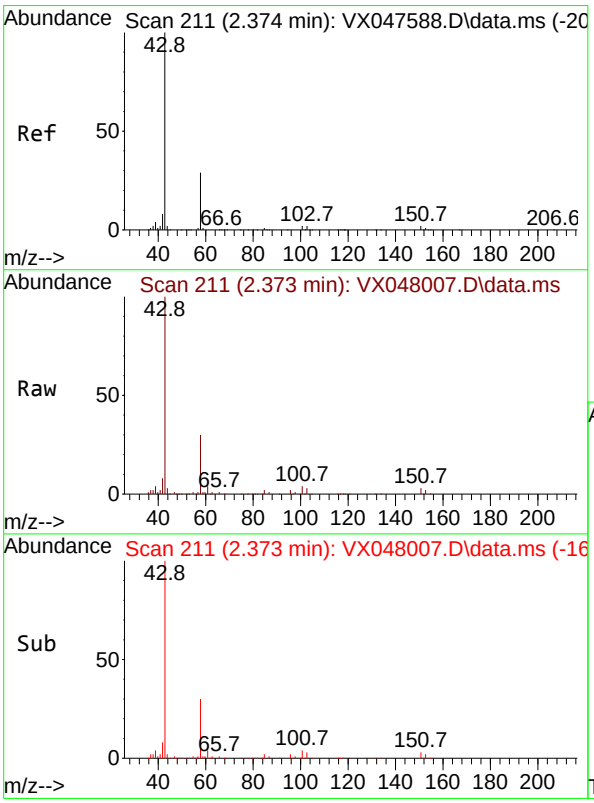
#15
Acrylonitrile
Concen: 302.366 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 242158

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.4	29.5	44.3

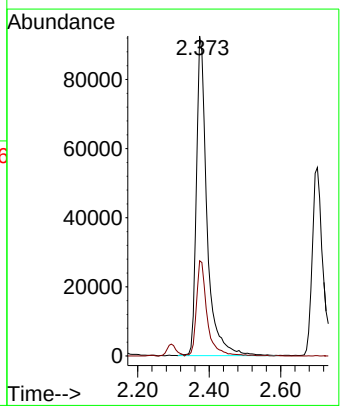


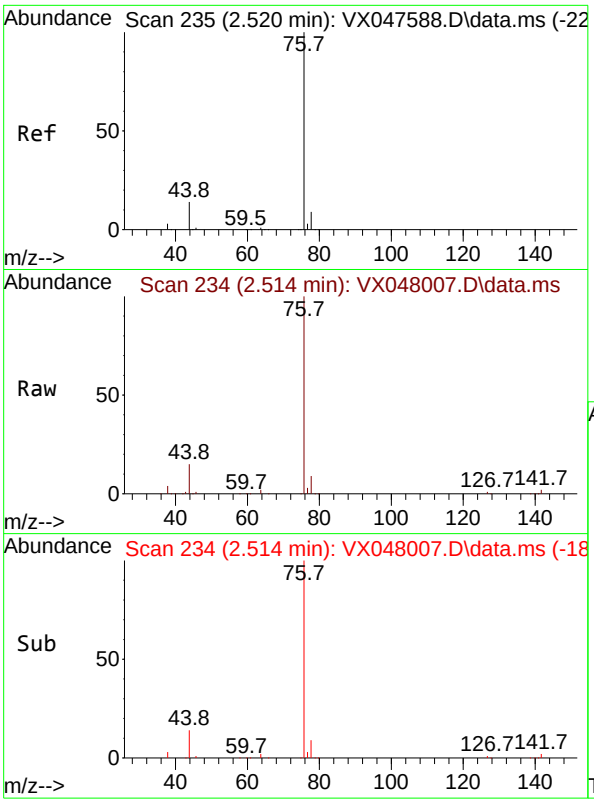


#16
Acetone
Concen: 224.672 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 189648

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0



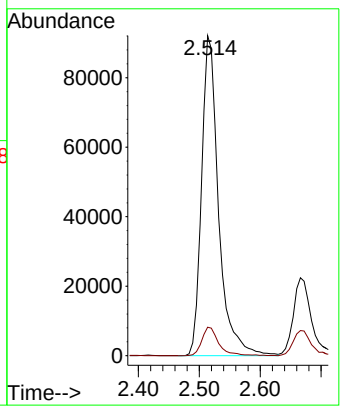


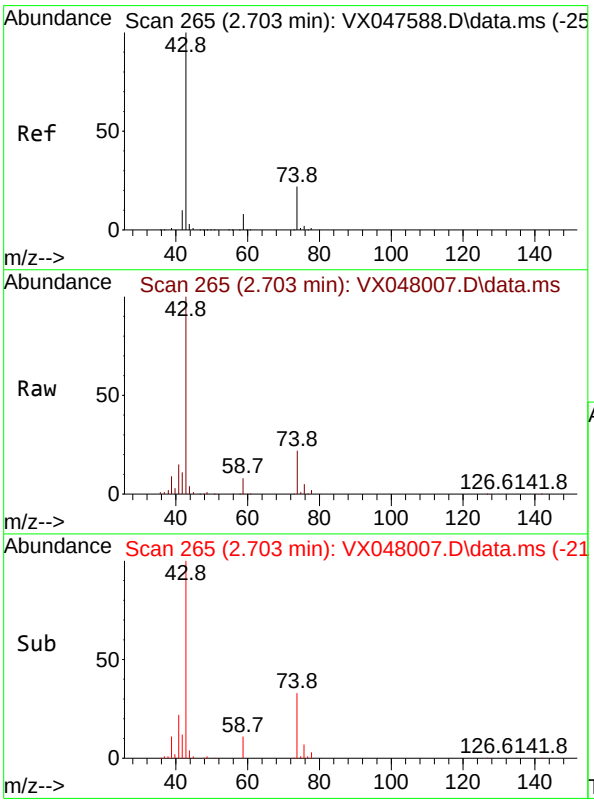
#17
Carbon Disulfide
Concen: 45.029 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 178626

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

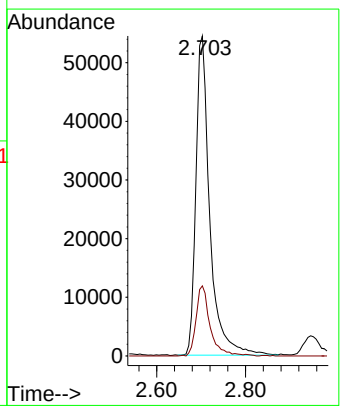


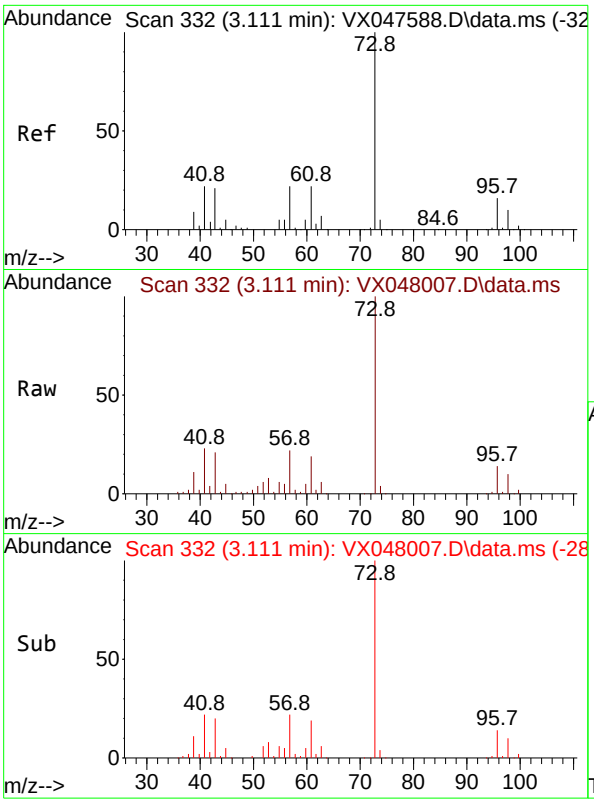


#18
Methyl Acetate
Concen: 62.951 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 118258

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



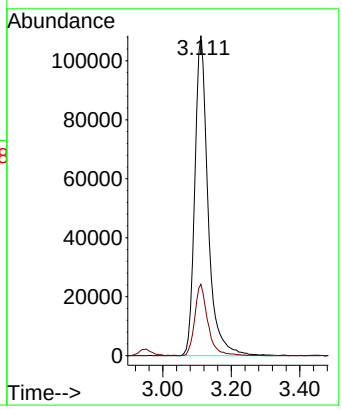


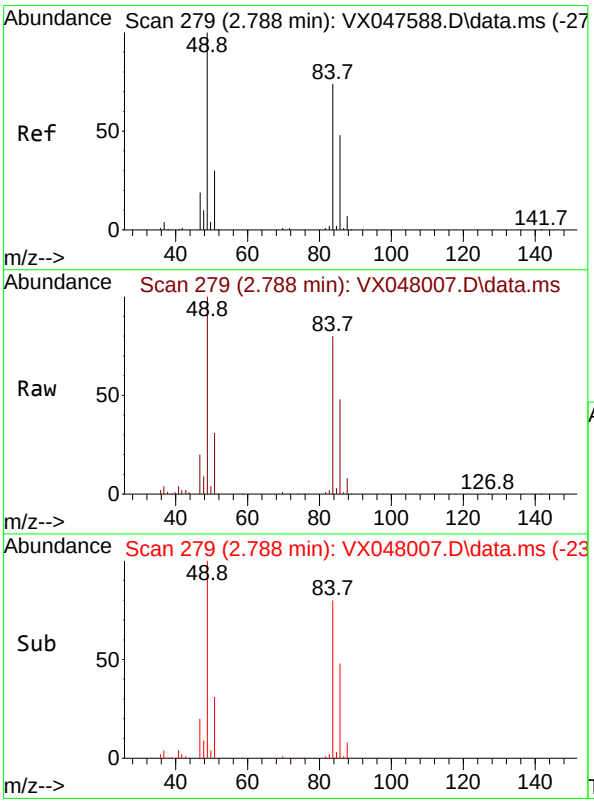
#19
Methyl tert-butyl Ether
Concen: 55.057 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 291237

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2

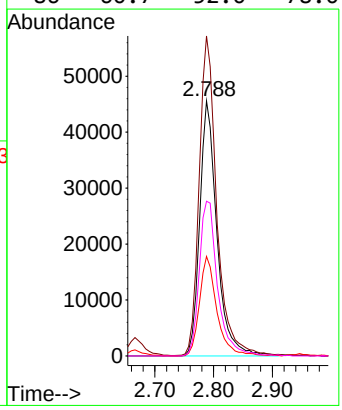


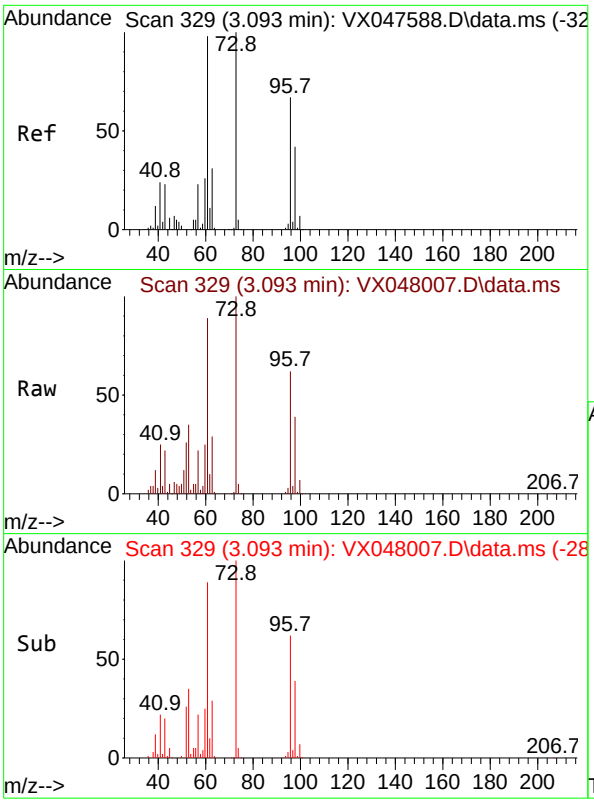


#20
Methylene Chloride
Concen: 52.021 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 84 Resp: 92949

Ion	Ratio	Lower	Upper
84	100		
49	125.2	108.6	162.8
51	39.0	32.6	48.8
86	60.7	52.0	78.0



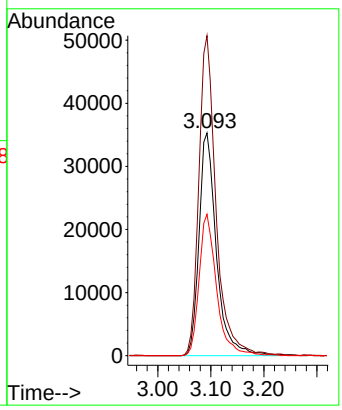


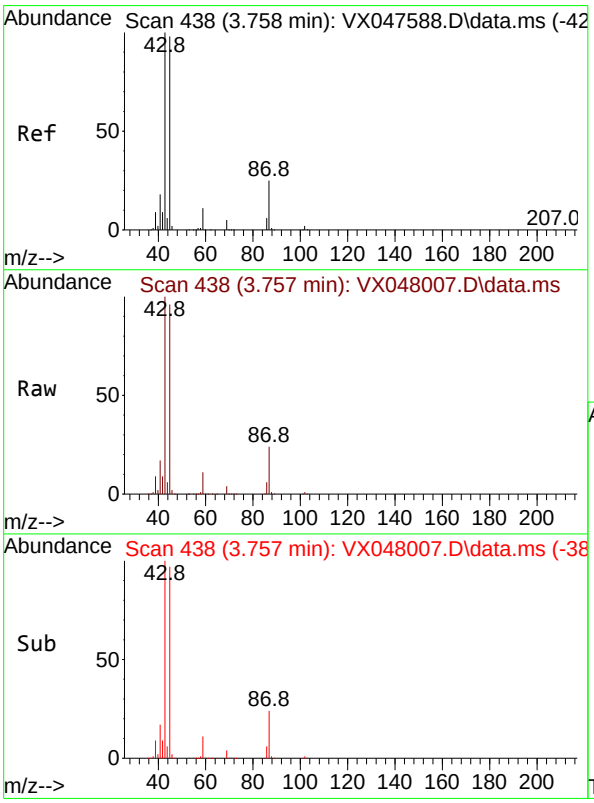
#21
trans-1,2-Dichloroethene
Concen: 51.363 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 80131

Ion	Ratio	Lower	Upper
96	100		
61	143.6	116.2	174.2
98	63.5	49.3	73.9

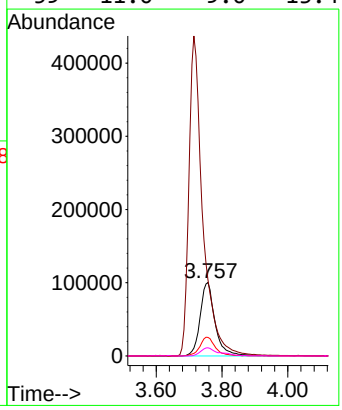


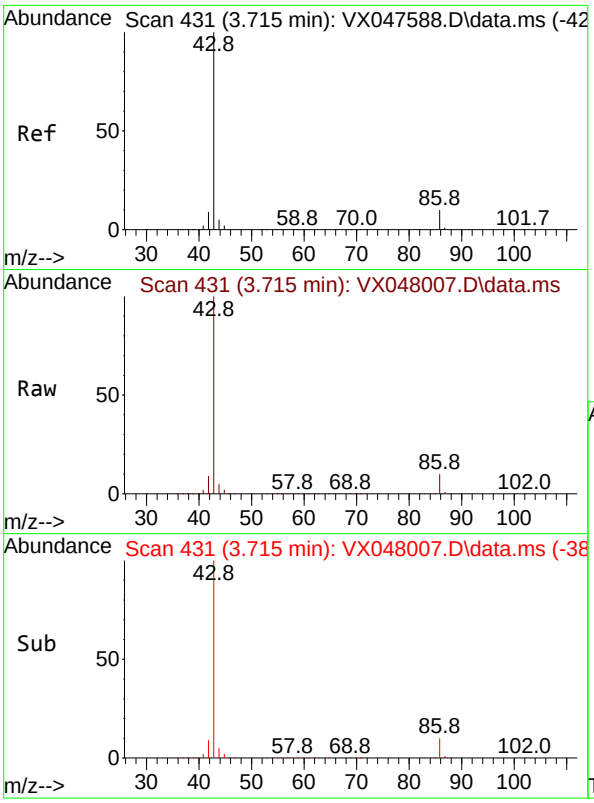


#22
Diisopropyl ether
Concen: 54.721 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 45 Resp: 317112

Ion	Ratio	Lower	Upper
45	100		
43	103.3	81.0	121.4
87	25.3	20.3	30.5
59	11.0	9.0	13.4



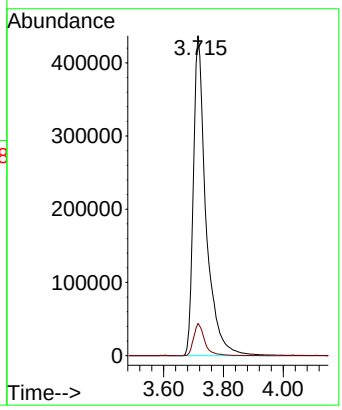


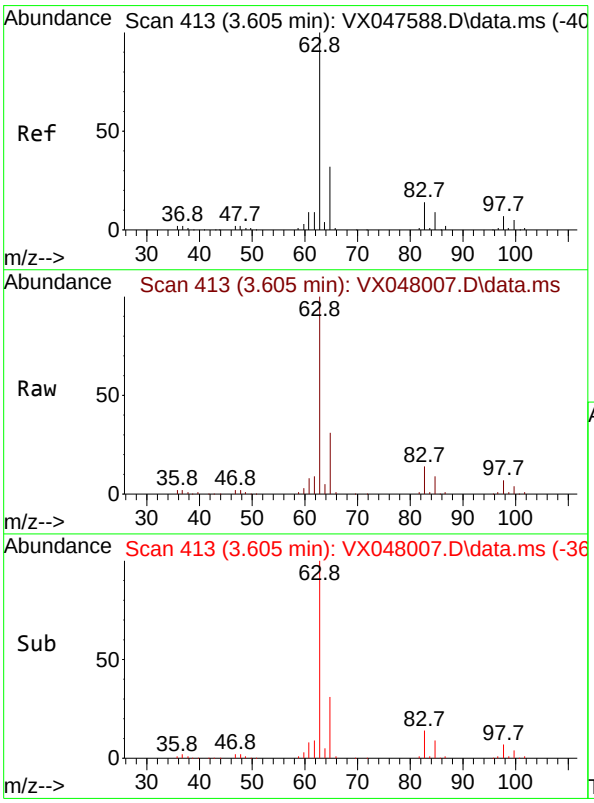
#23
Vinyl Acetate
Concen: 277.195 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1285643

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

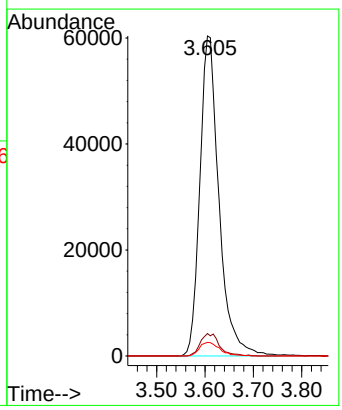


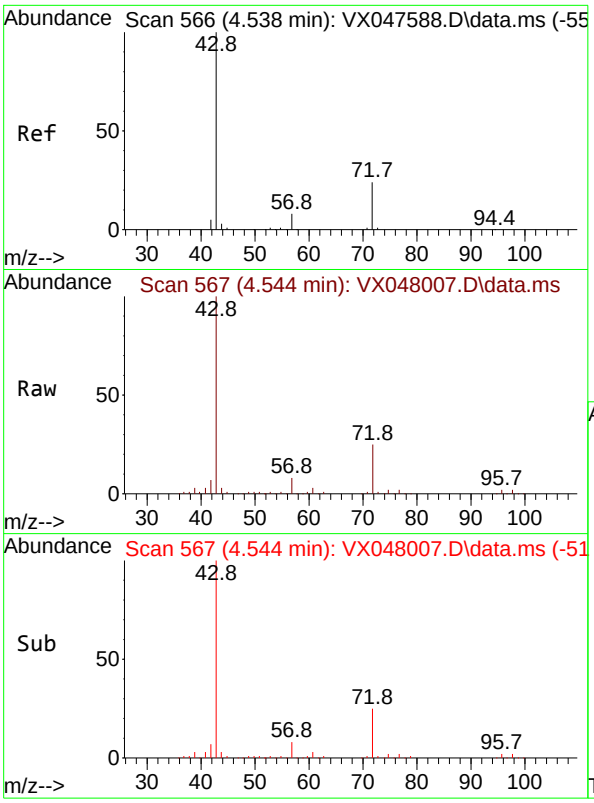


#24
1,1-Dichloroethane
Concen: 53.832 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 165810

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.5	2.3	6.9



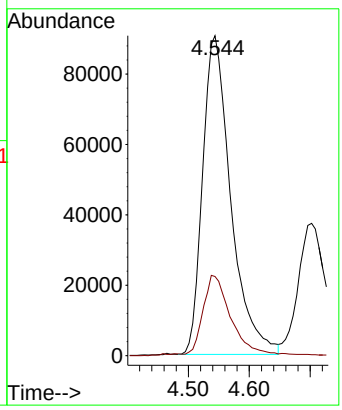


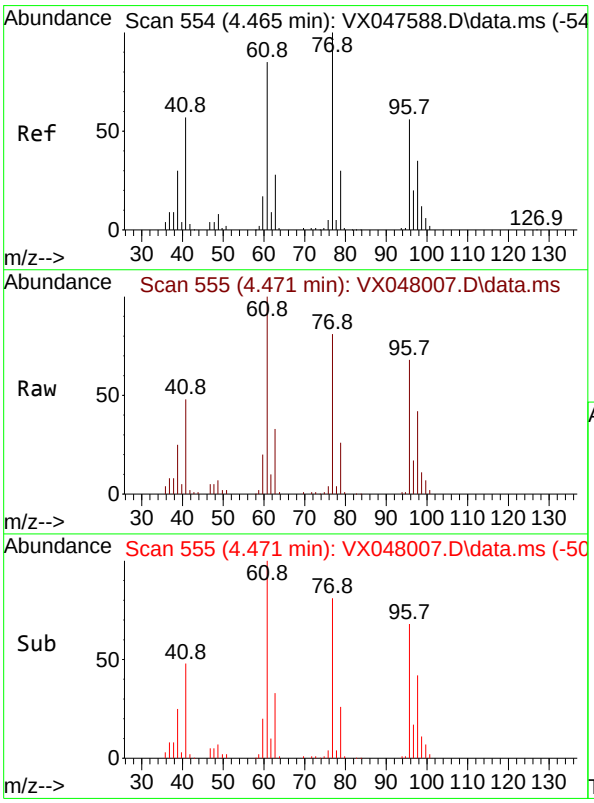
#25
2-Butanone
Concen: 276.631 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 291270

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

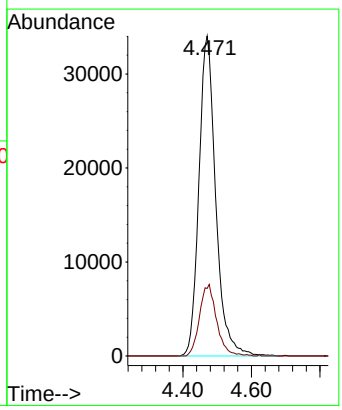


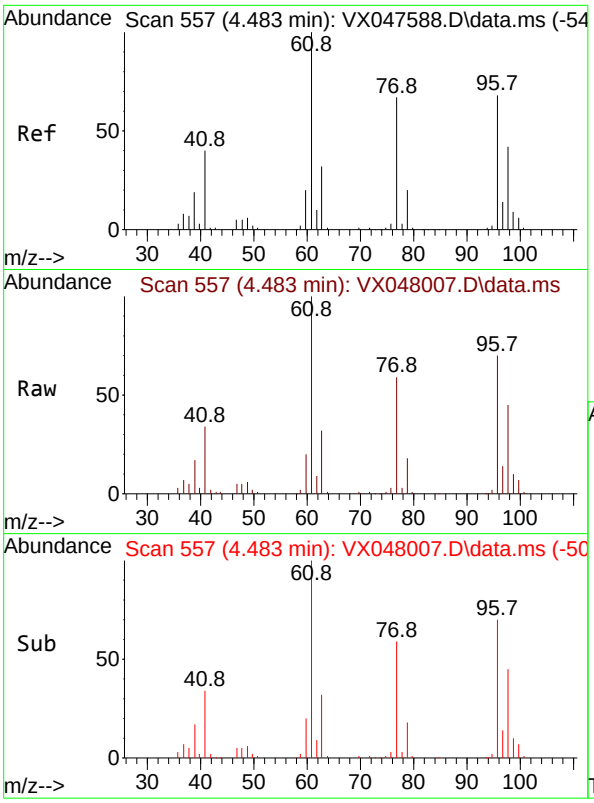


#26
2,2-Dichloropropane
Concen: 45.455 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 77 Resp: 116381

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



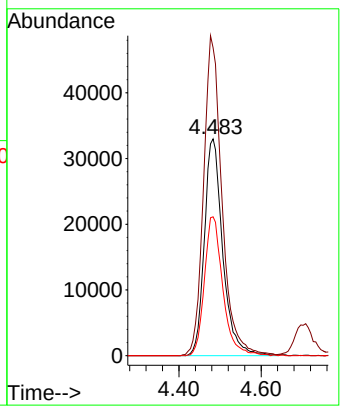


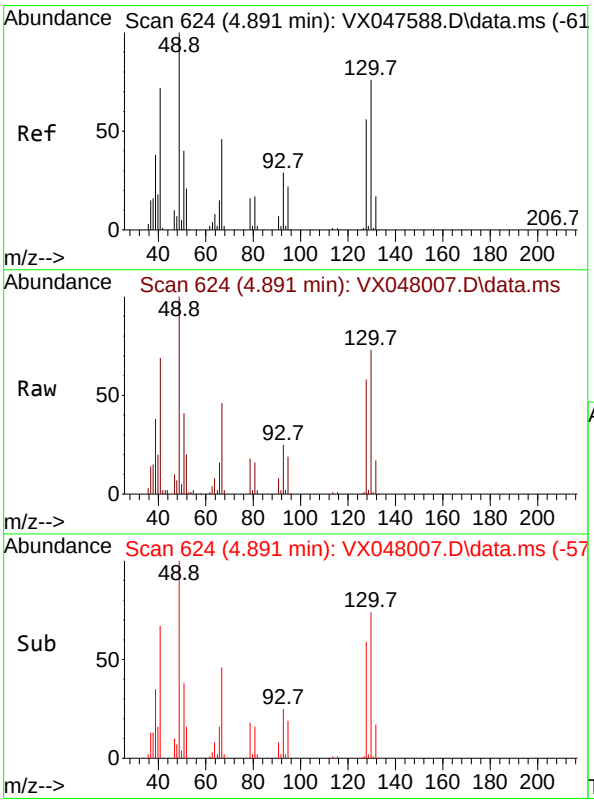
#27
cis-1,2-Dichloroethene
Concen: 53.585 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 102379

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.2
98	64.3	0.0	127.8

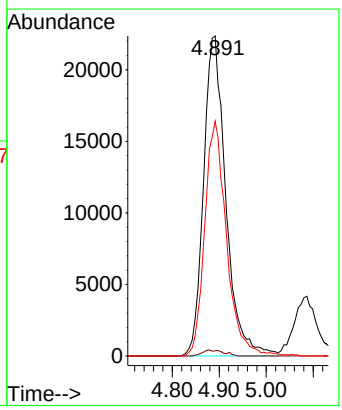


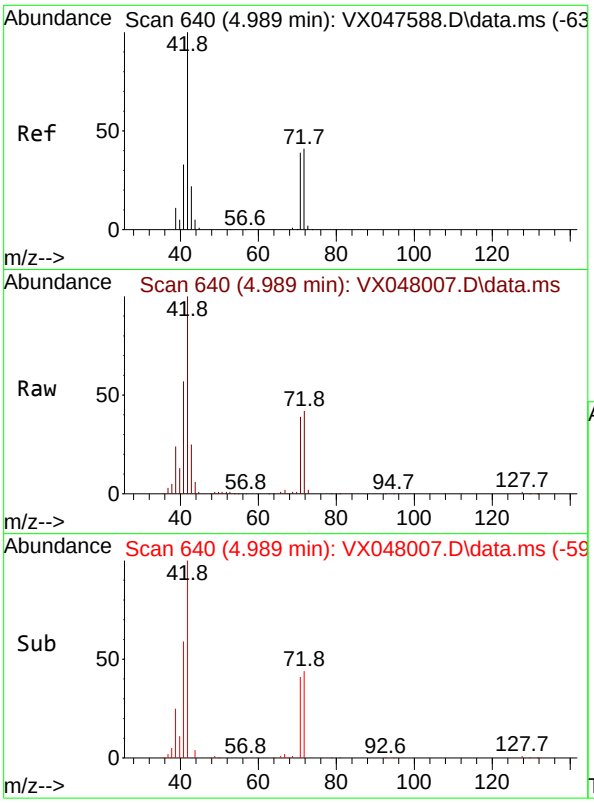


#28
Bromochloromethane
Concen: 54.642 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 49 Resp: 73476

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.0	57.8	86.8



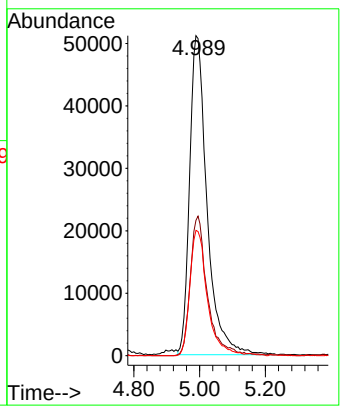


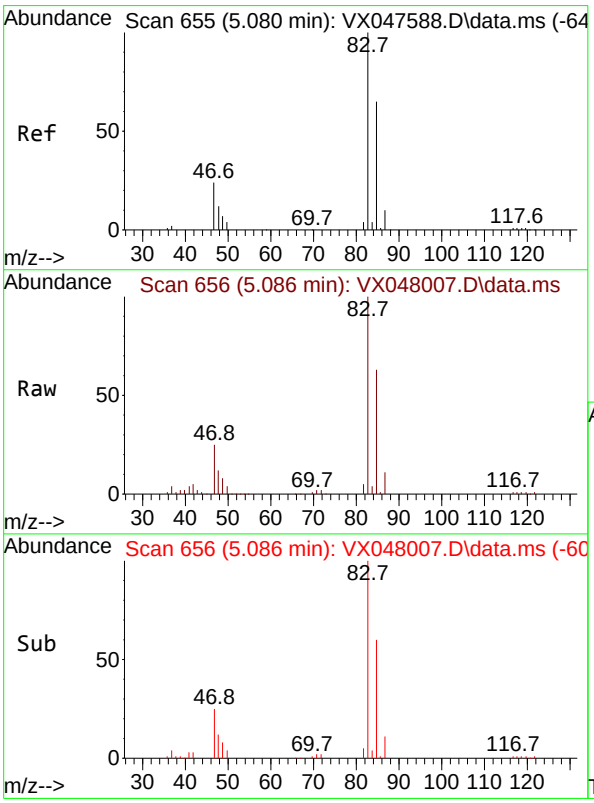
#29
Tetrahydrofuran
Concen: 296.268 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 187660

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	39.3	31.9	47.9

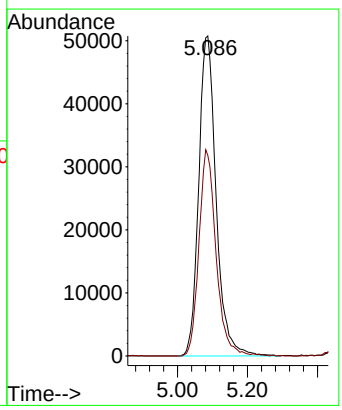


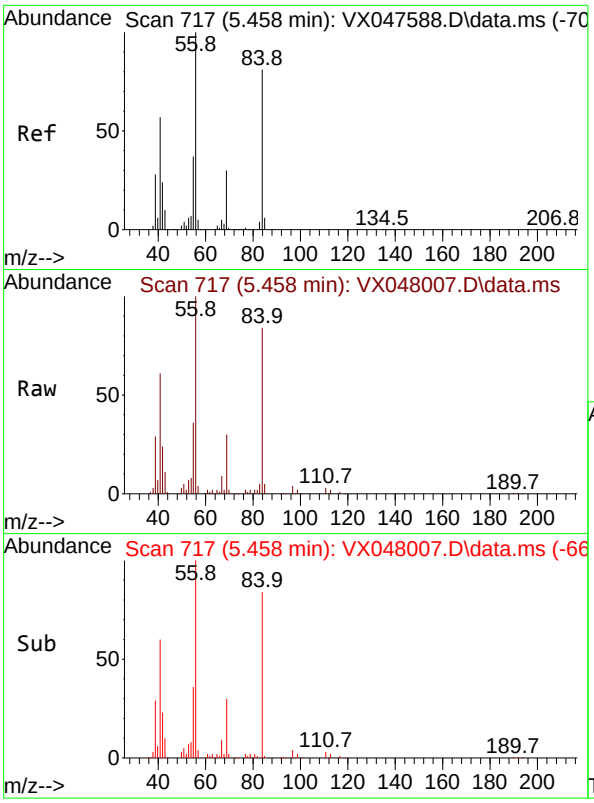


#30
Chloroform
Concen: 56.248 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 175073

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6



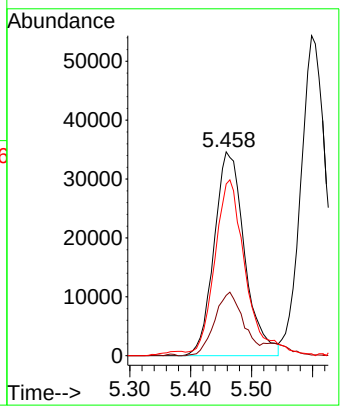


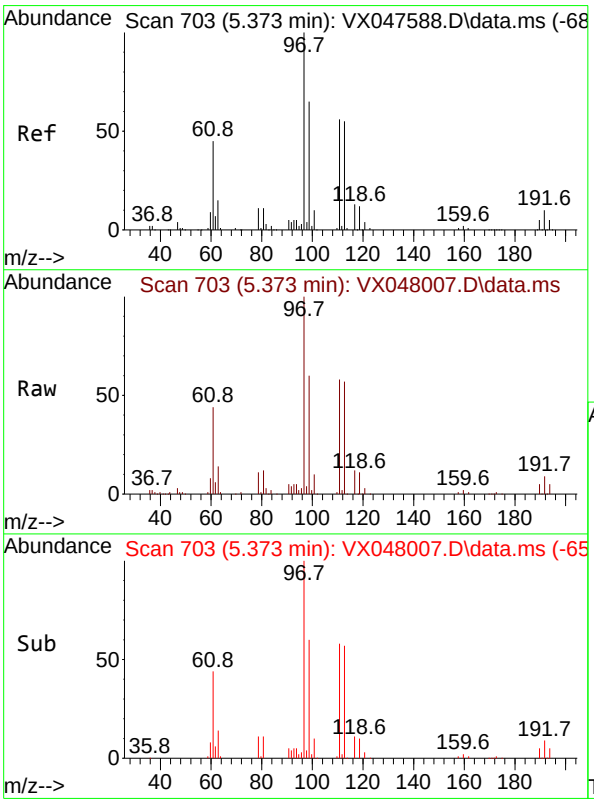
#31
Cyclohexane
Concen: 46.959 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 120465

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	82.1	64.6	97.0

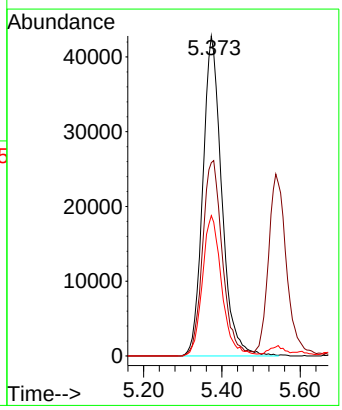


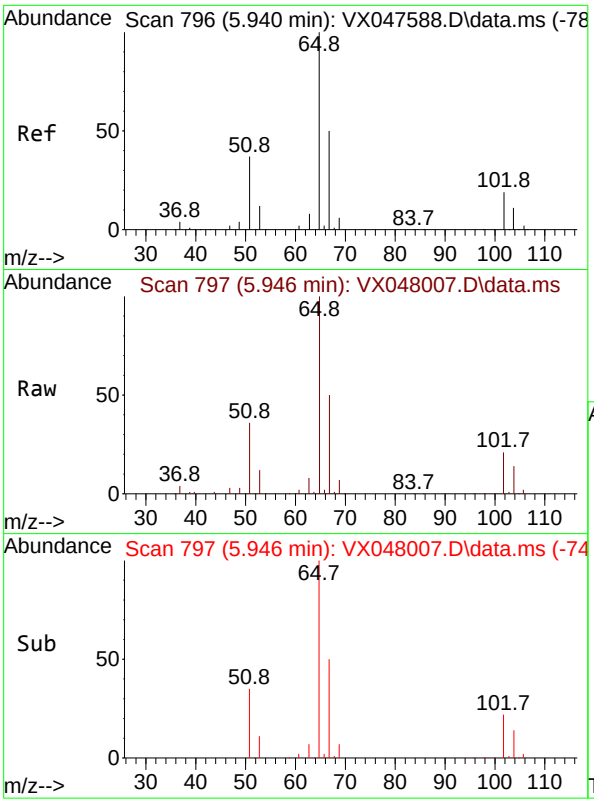


#32
1,1,1-Trichloroethane
Concen: 54.512 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 97 Resp: 143918

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.6	35.8	53.8



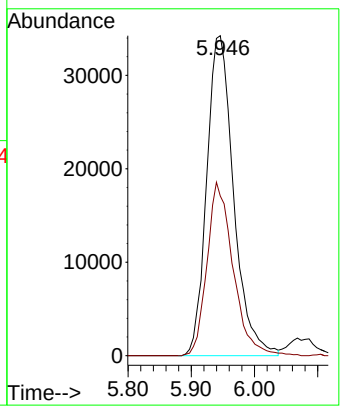


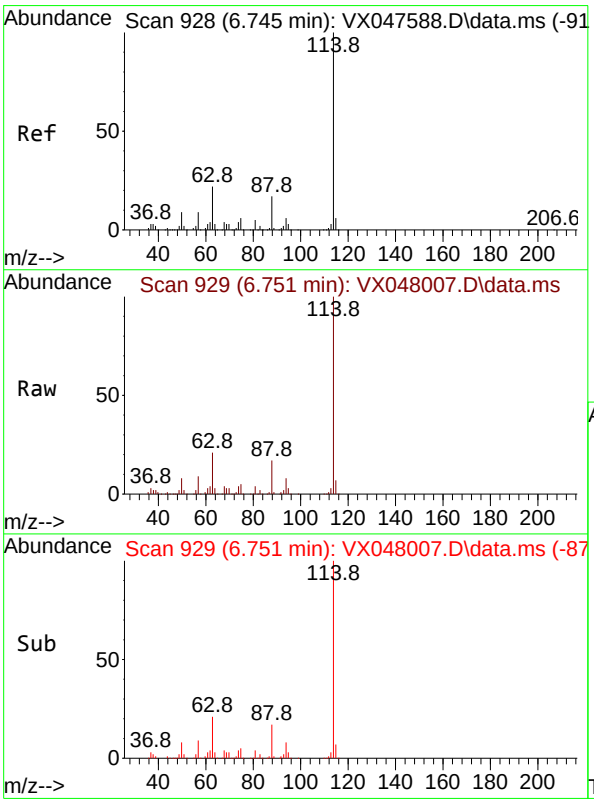
#33
1,2-Dichloroethane-d4
Concen: 52.123 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 101189

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0

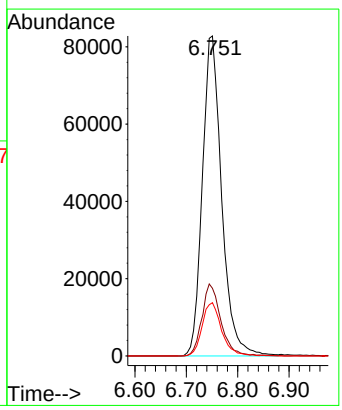


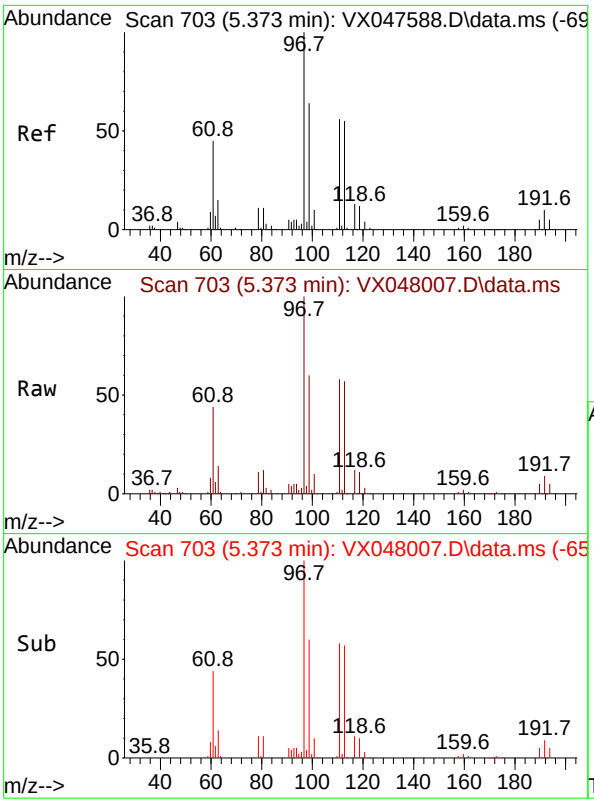


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:114 Resp: 216314

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	34.2



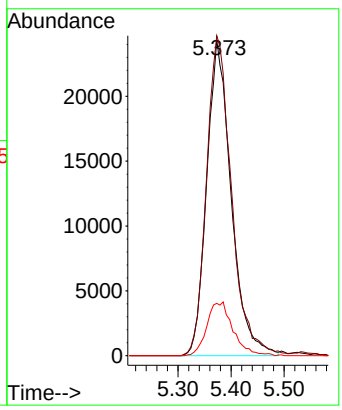


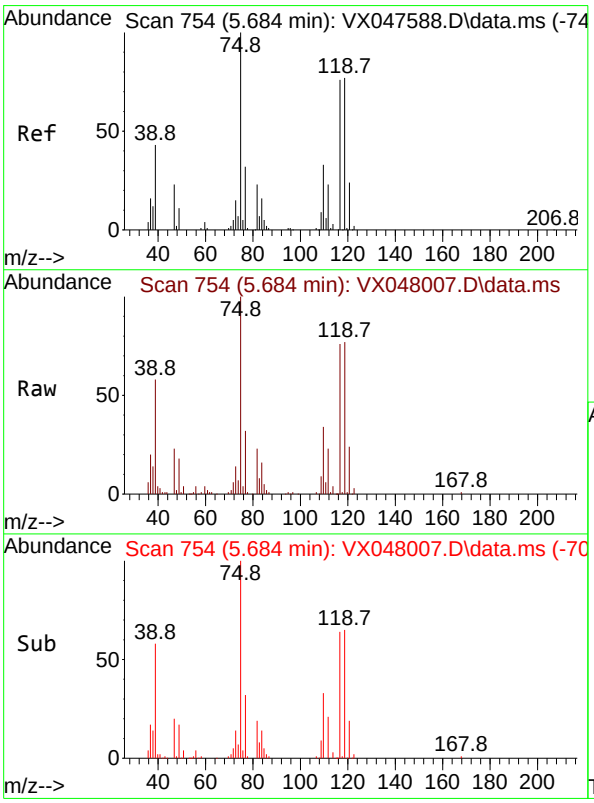
#35
Dibromofluoromethane
Concen: 53.749 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 77975

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.2	14.2	21.4

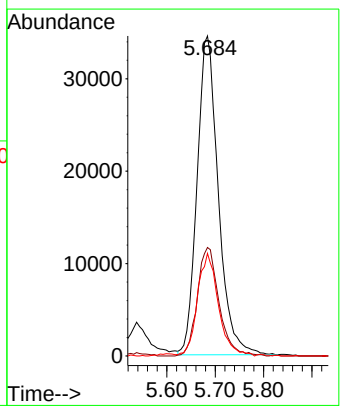


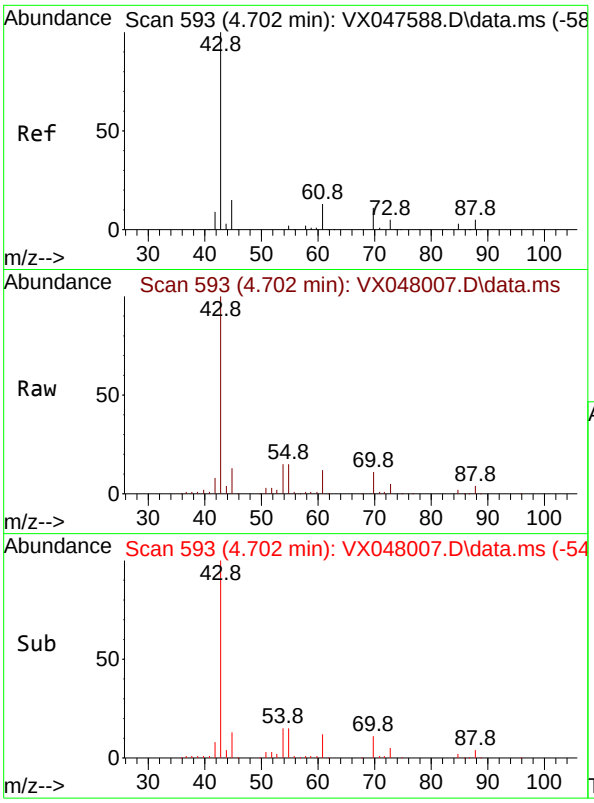


#36
1,1-Dichloropropene
Concen: 49.765 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 105494

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	31.6	24.3	36.5



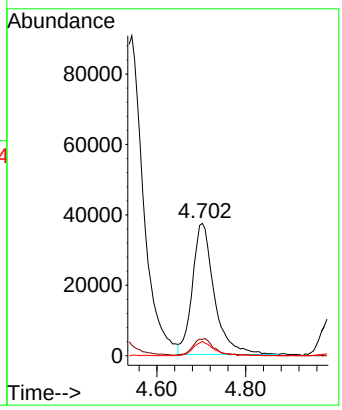


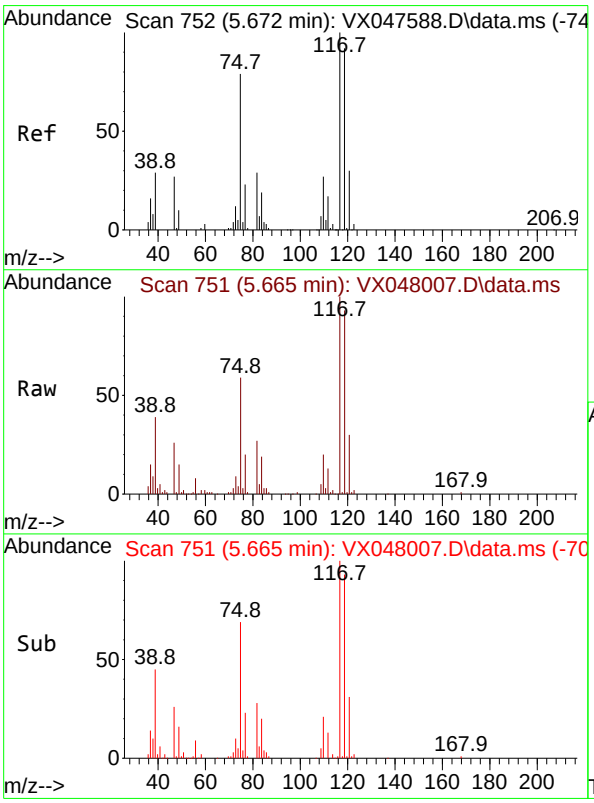
#37
Ethyl Acetate
Concen: 56.001 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 127109

Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	9.9	7.9	11.9

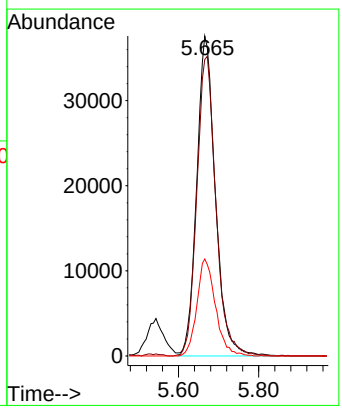


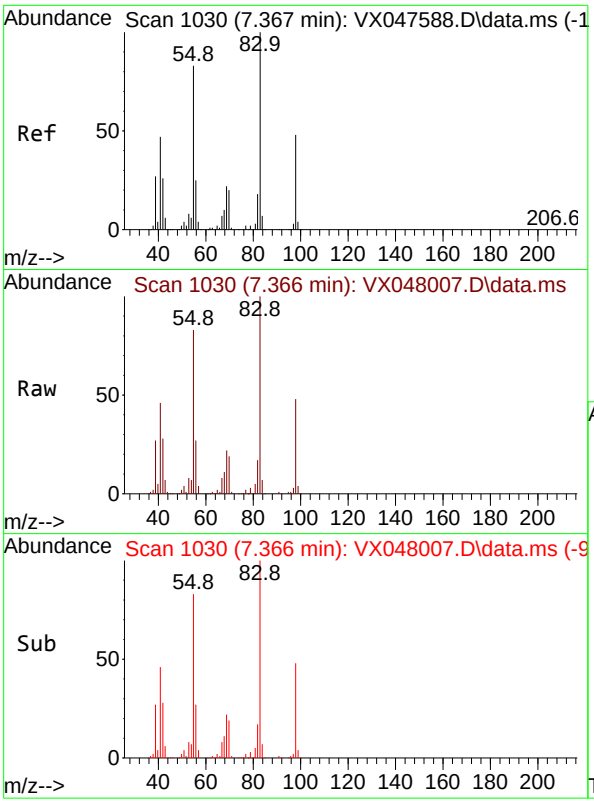


#38
Carbon Tetrachloride
Concen: 52.703 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 121389

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	30.3	23.8	35.6



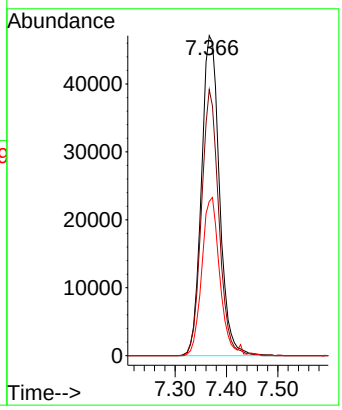


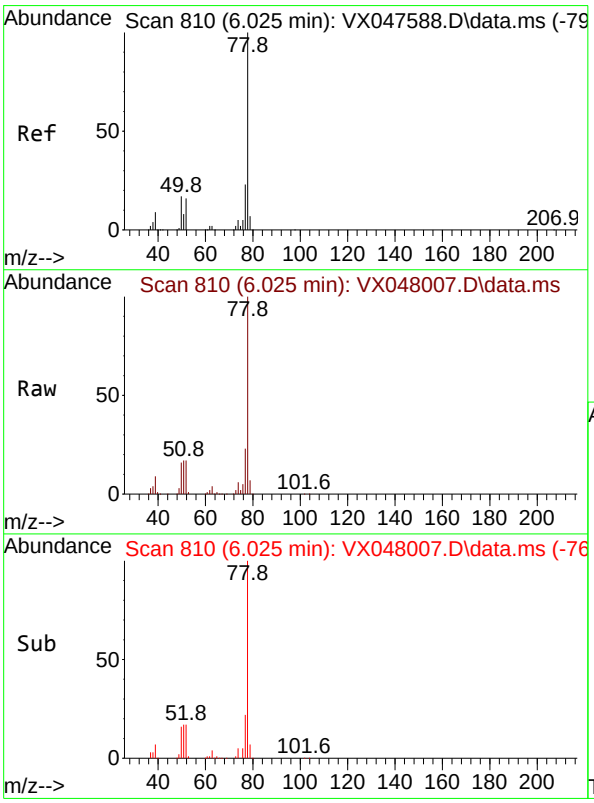
#39
Methylcyclohexane
Concen: 47.695 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 114768

Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	48.2	38.1	57.1

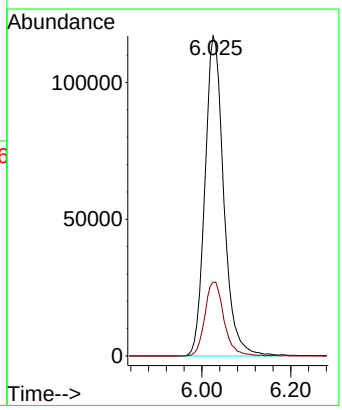


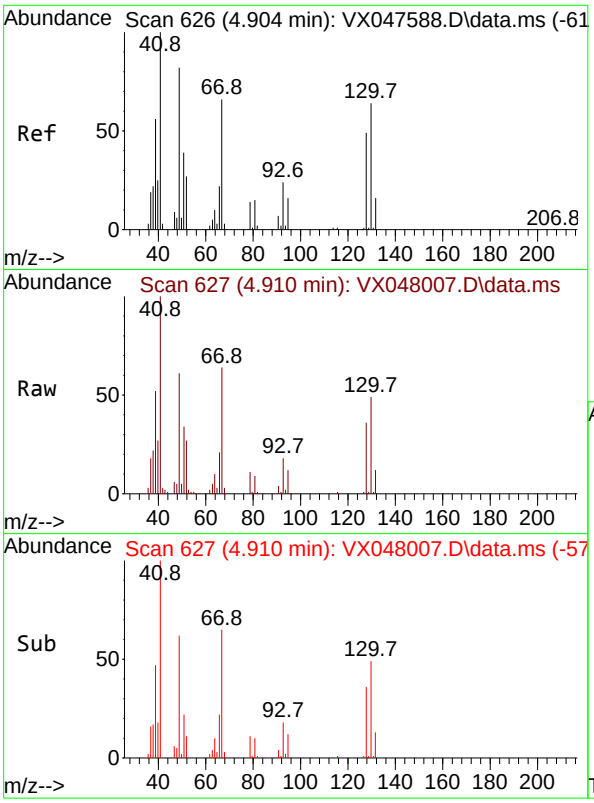


#40
Benzene
Concen: 53.474 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 78 Resp: 344294

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



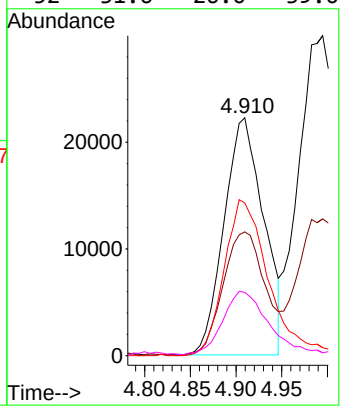


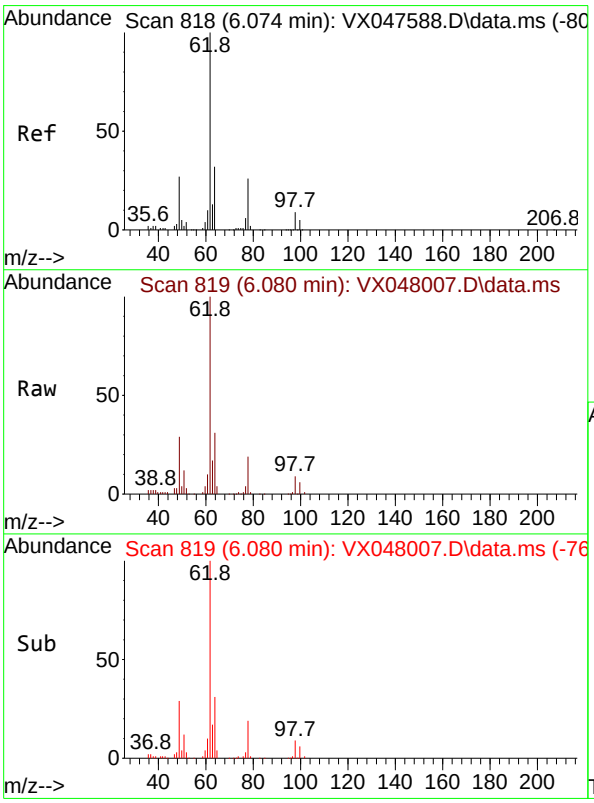
#41
Methacrylonitrile
Concen: 57.167 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 66987

Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.3	64.9
67	75.0	58.6	87.8
52	31.6	26.0	39.0

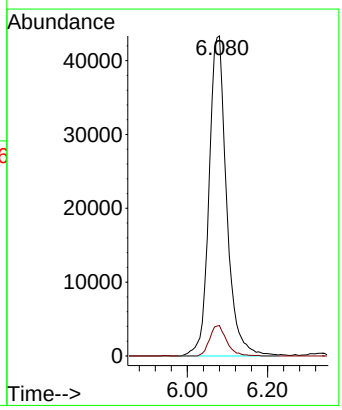


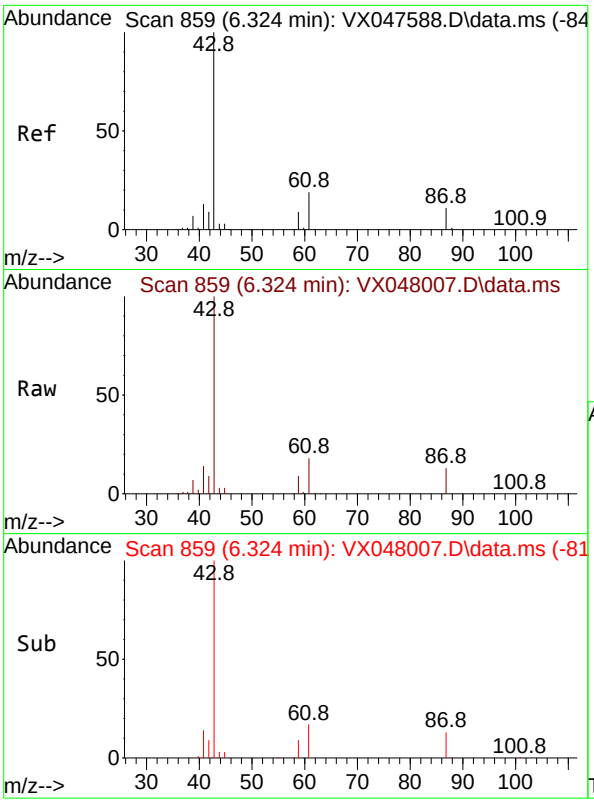


#42
1,2-Dichloroethane
Concen: 53.830 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 131871

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



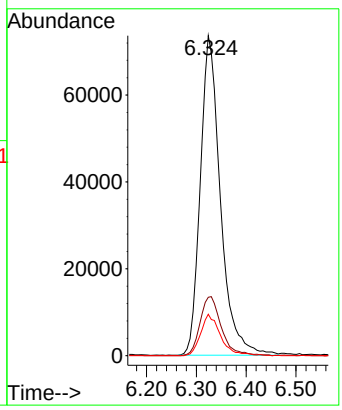


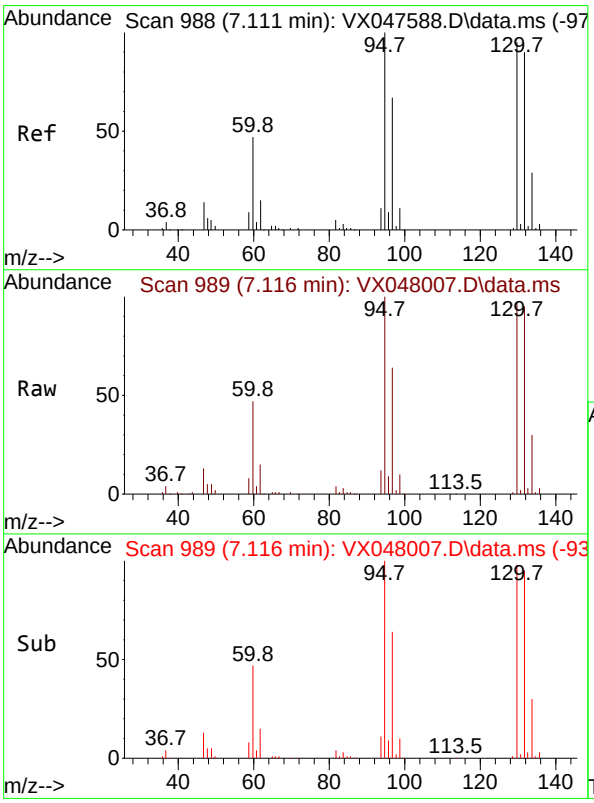
#43
Isopropyl Acetate
Concen: 55.494 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 206579

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	12.7	9.6	14.4

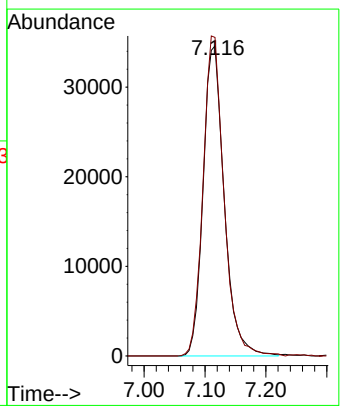


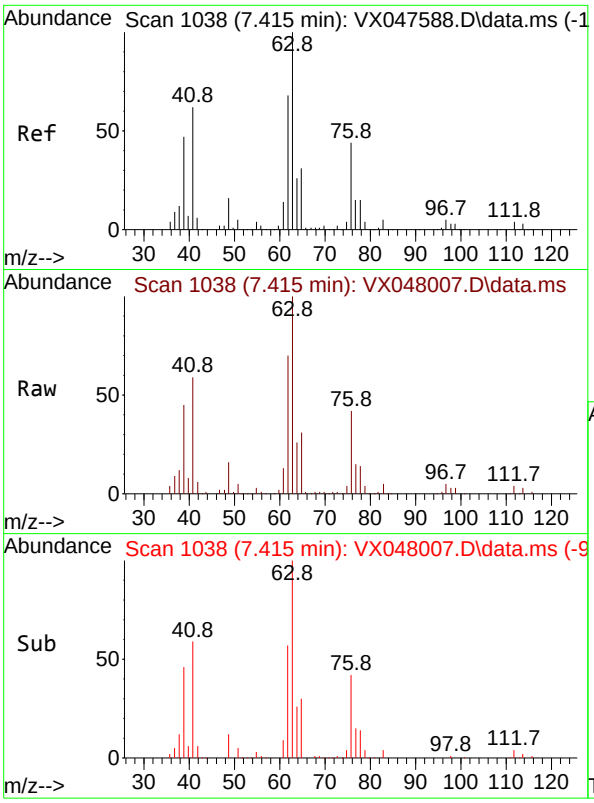


#44
Trichloroethene
Concen: 53.481 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:130 Resp: 83248

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	210.8



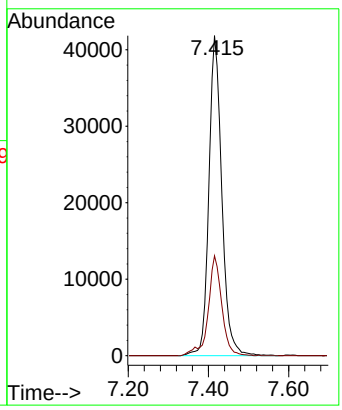


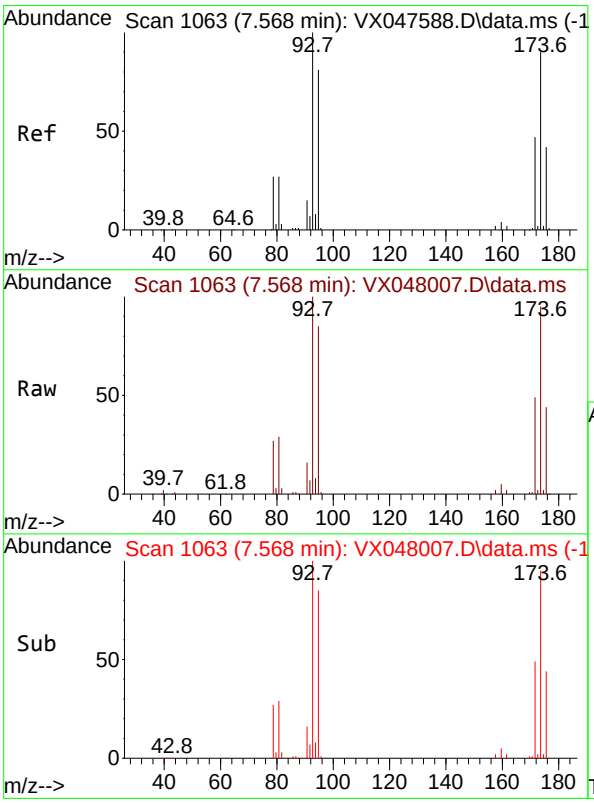
#45
1,2-Dichloropropane
Concen: 56.766 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 93587

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

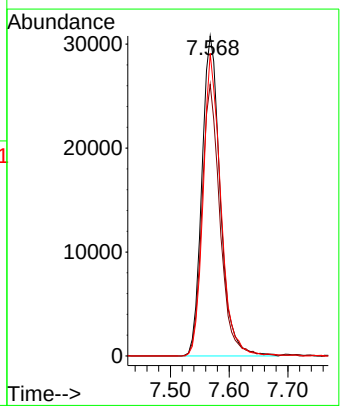


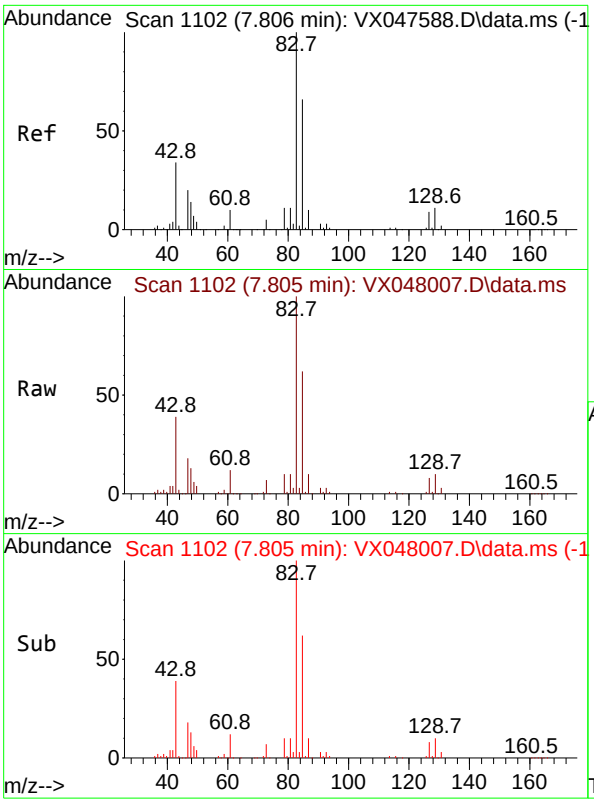


#46
Dibromomethane
Concen: 55.847 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 93 Resp: 67001

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.6
174	90.2	71.6	107.4



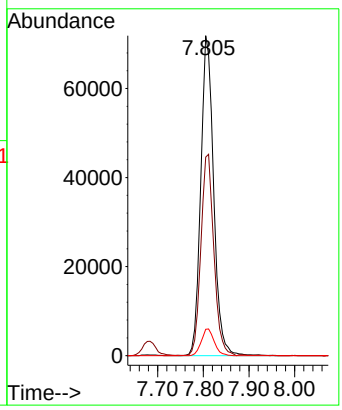


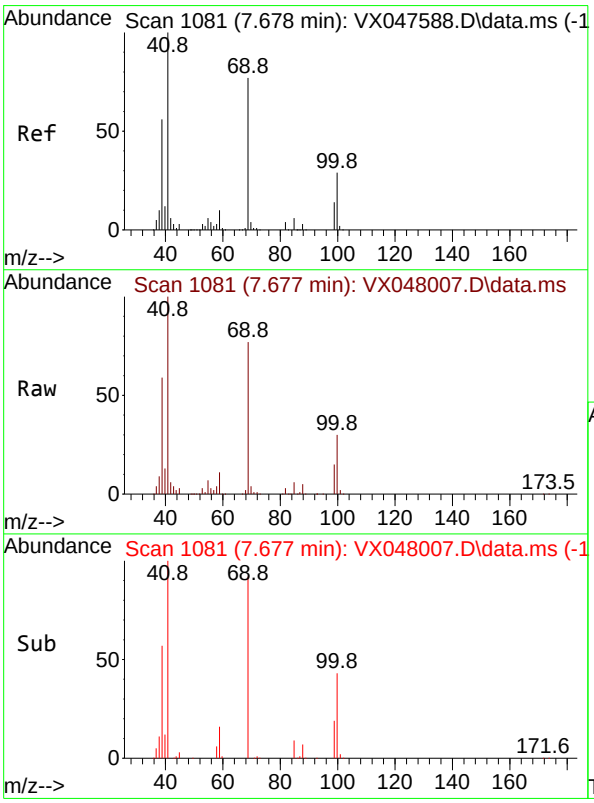
#47
Bromodichloromethane
Concen: 56.708 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 140393

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.5	78.7
127	8.3	6.9	10.3

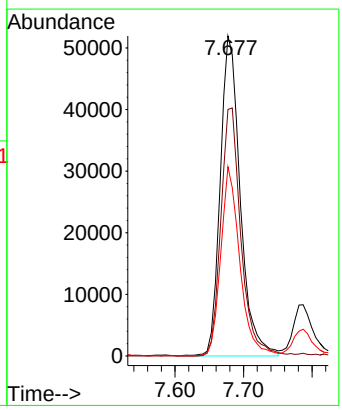


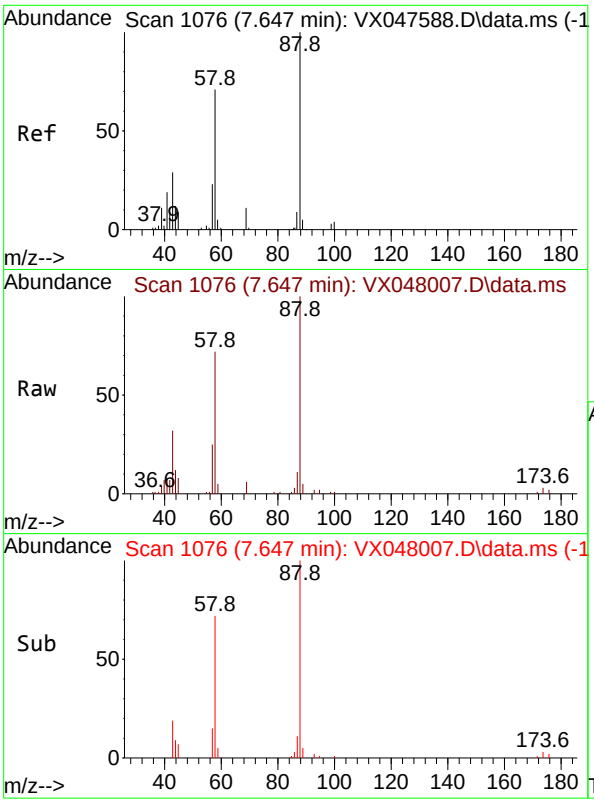


#48
Methyl methacrylate
Concen: 56.718 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 105169

Ion	Ratio	Lower	Upper
41	100		
69	77.7	61.4	92.2
39	56.3	45.8	68.6



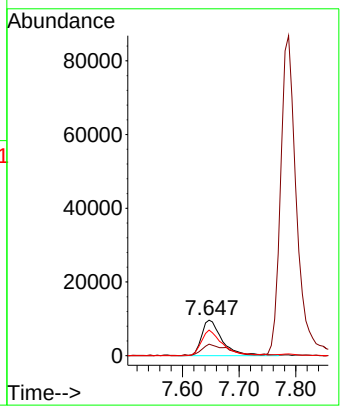


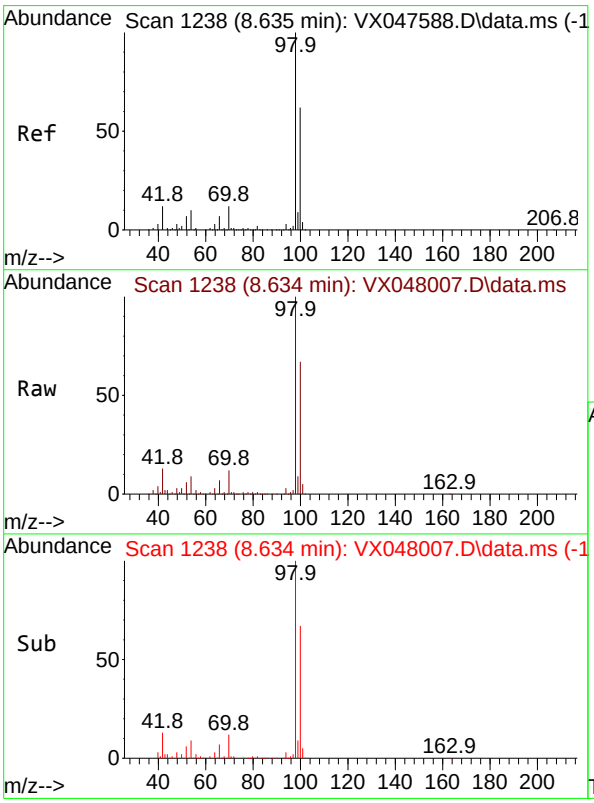
#49
1,4-Dioxane
Concen: 1302.577 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24409

Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.2	45.2
58	72.4	59.5	89.3

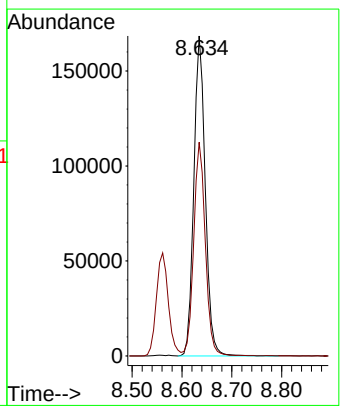


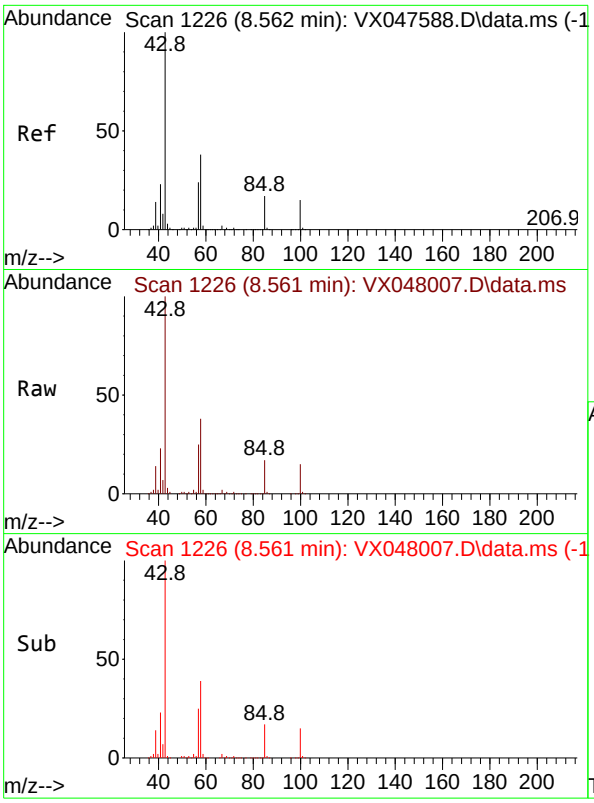


#50
Toluene-d8
Concen: 53.538 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 98 Resp: 268747

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4



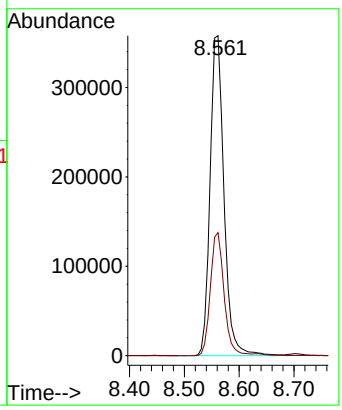


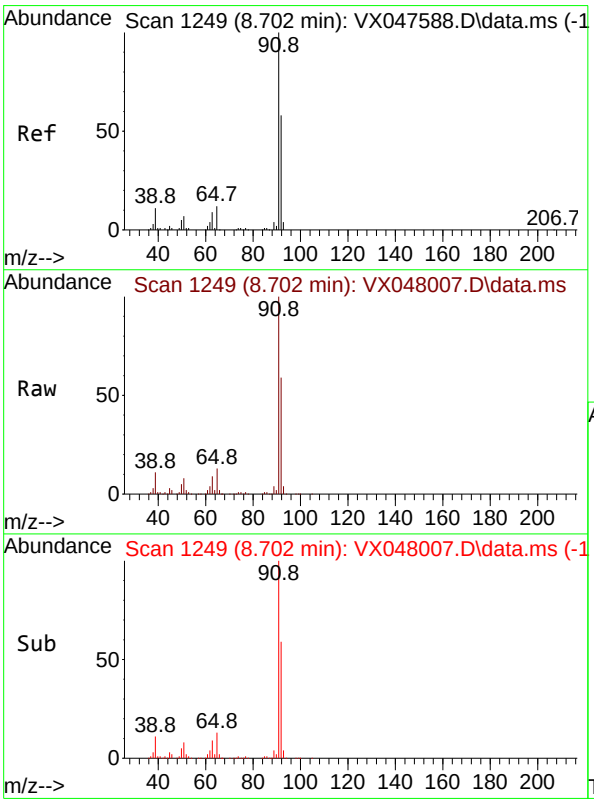
#51
4-Methyl-2-Pentanone
Concen: 305.381 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 630287

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

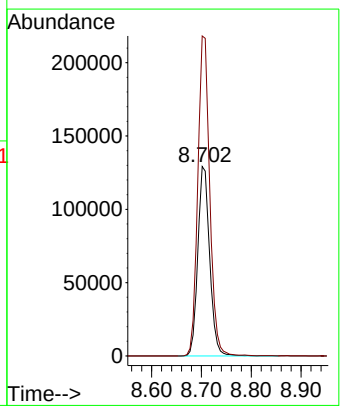


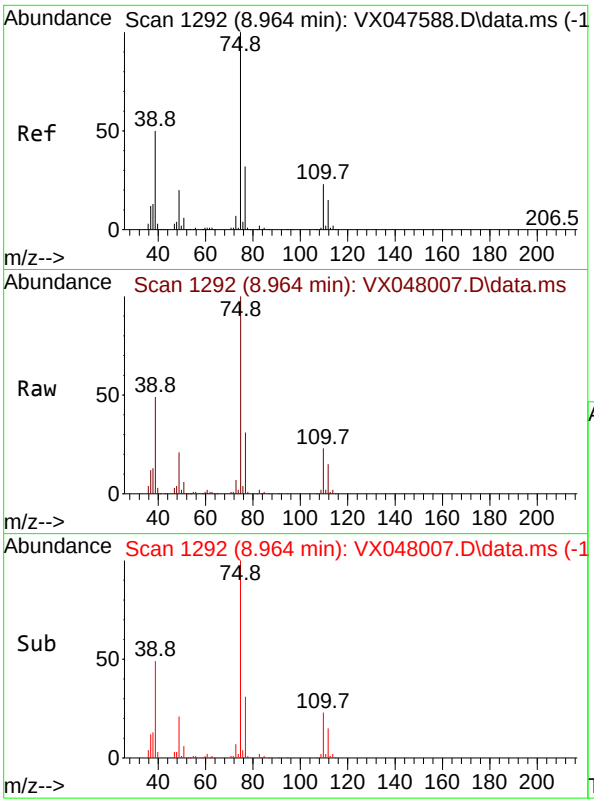


#52
Toluene
Concen: 53.771 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 92 Resp: 213298

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.1	205.7



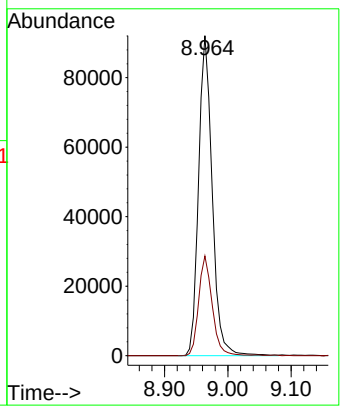


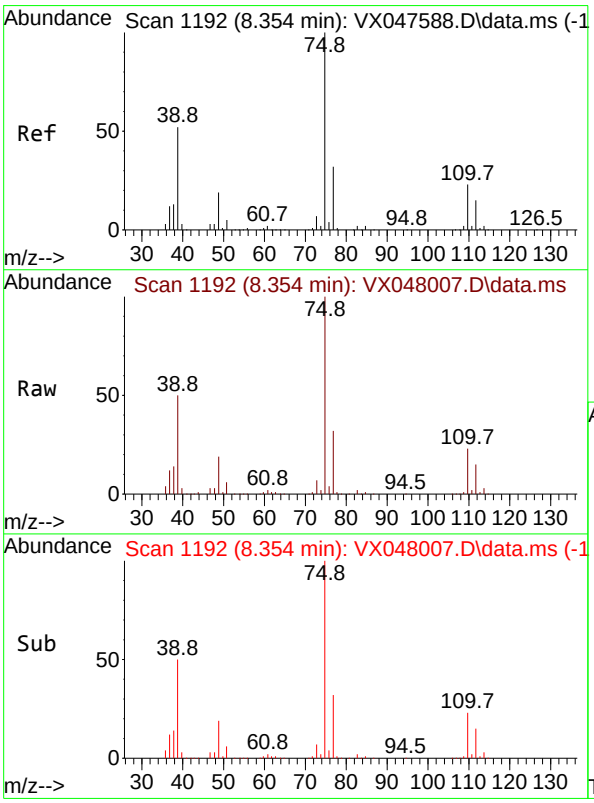
#53
t-1,3-Dichloropropene
Concen: 54.707 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 138150

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

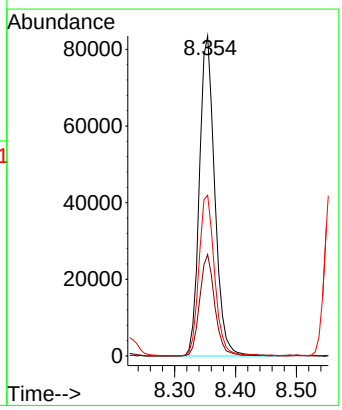


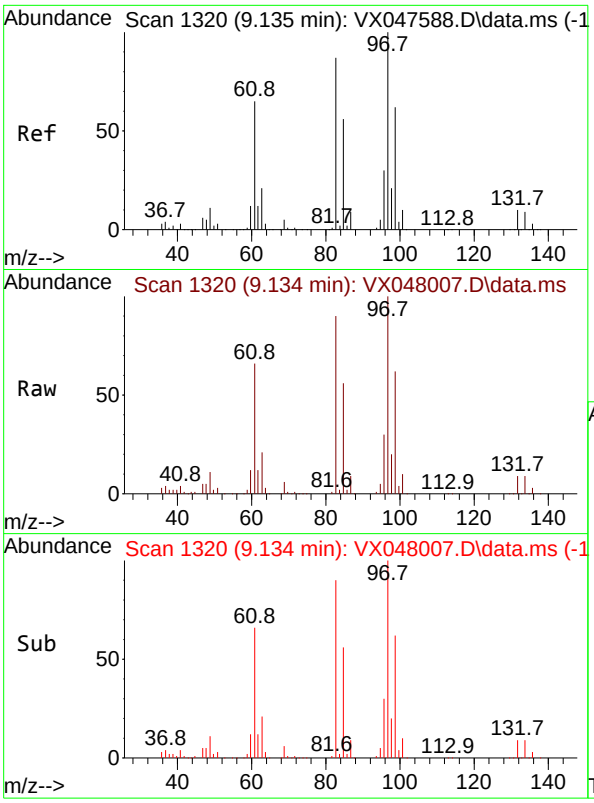


#54
cis-1,3-Dichloropropene
Concen: 54.069 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 145937

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	50.1	41.4	62.2



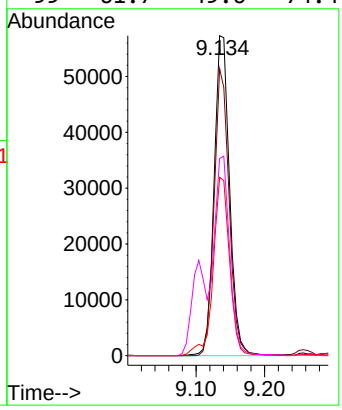


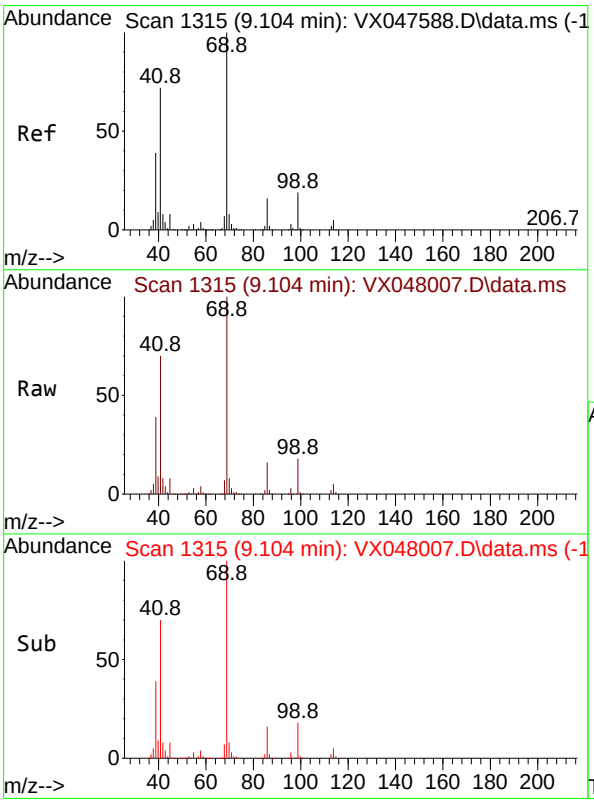
#55
1,1,2-Trichloroethane
Concen: 58.812 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 89957

Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.6	104.4
85	55.7	45.0	67.6
99	61.7	49.6	74.4

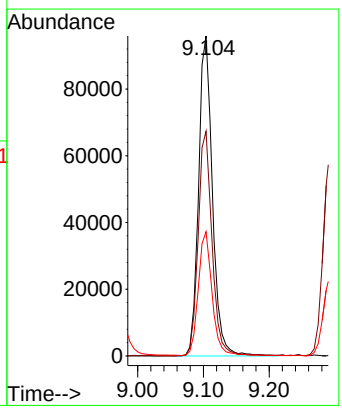


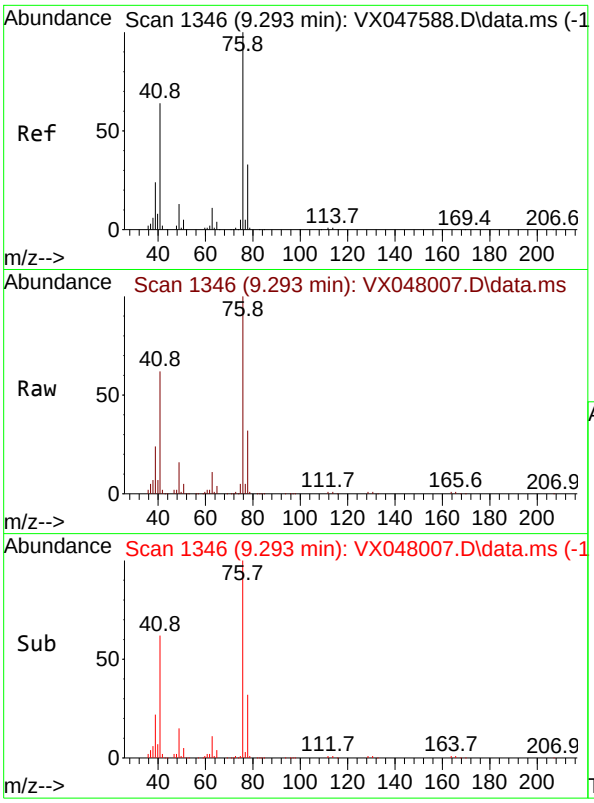


#56
Ethyl methacrylate
Concen: 58.399 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 69 Resp: 140282

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.4	31.5	47.3



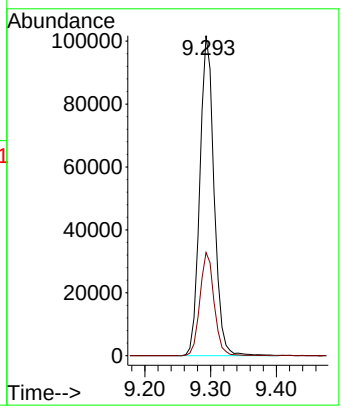


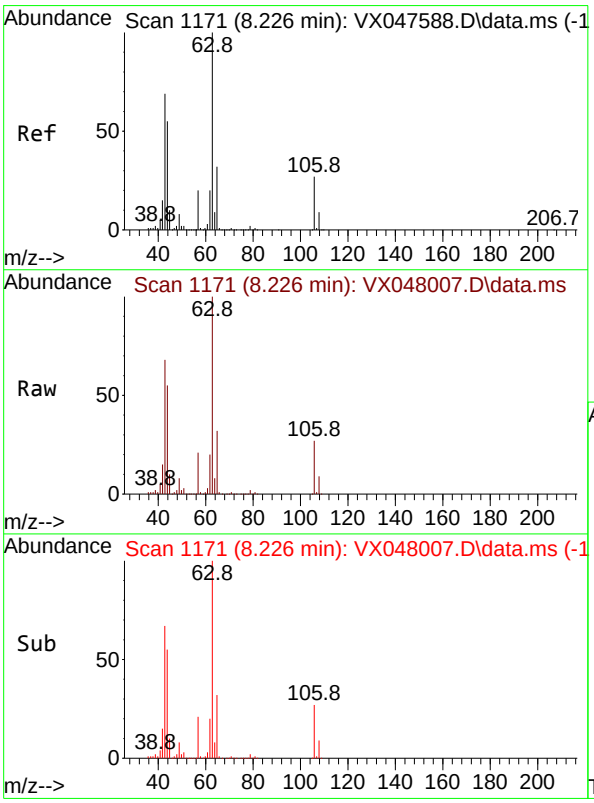
#57
1,3-Dichloropropane
Concen: 58.287 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 153150

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

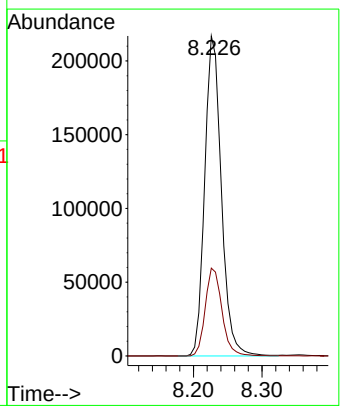


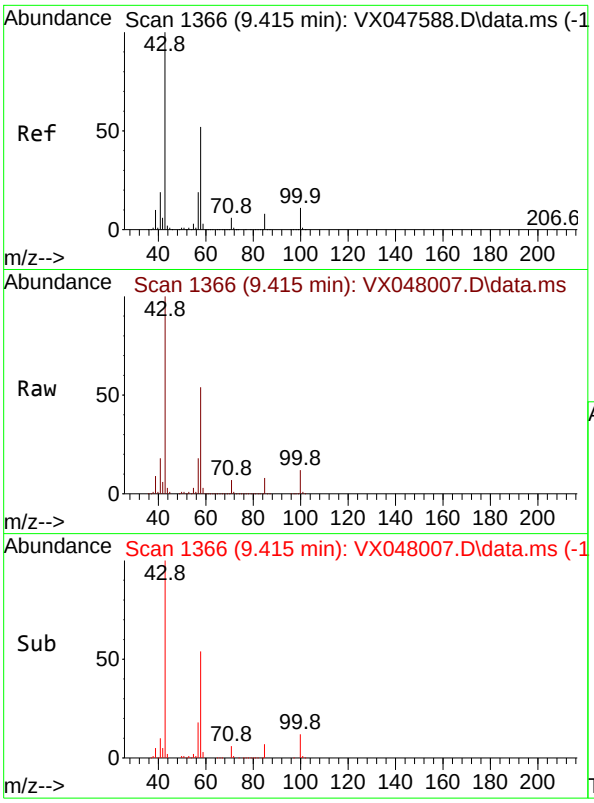


#58
2-Chloroethyl Vinyl ether
Concen: 314.582 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 367023

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



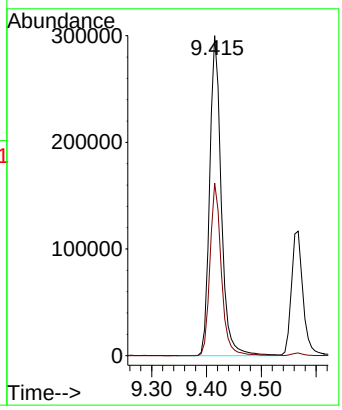


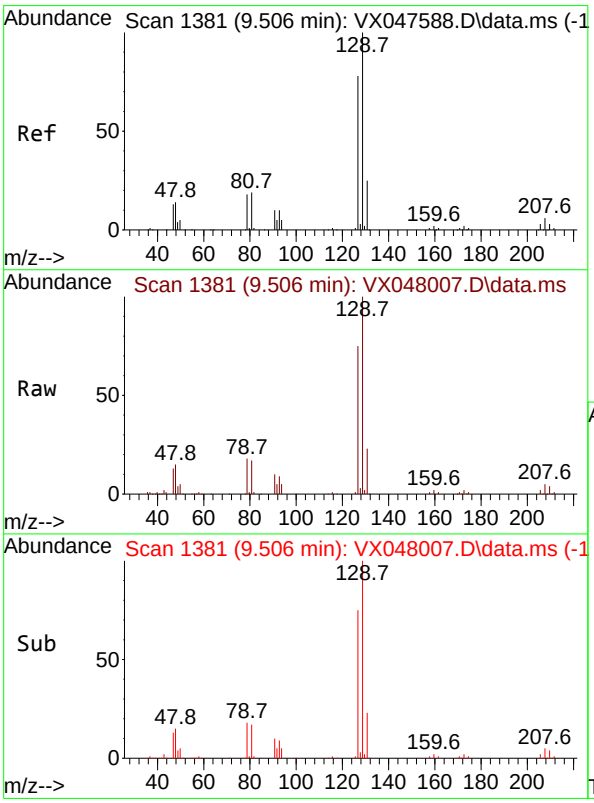
#59
2-Hexanone
Concen: 295.111 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 437450

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.2

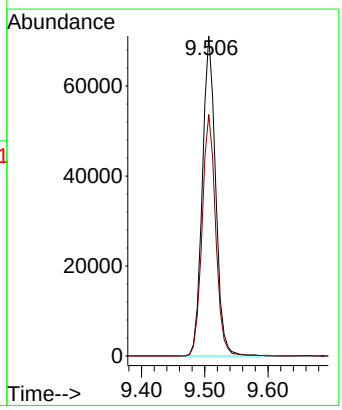


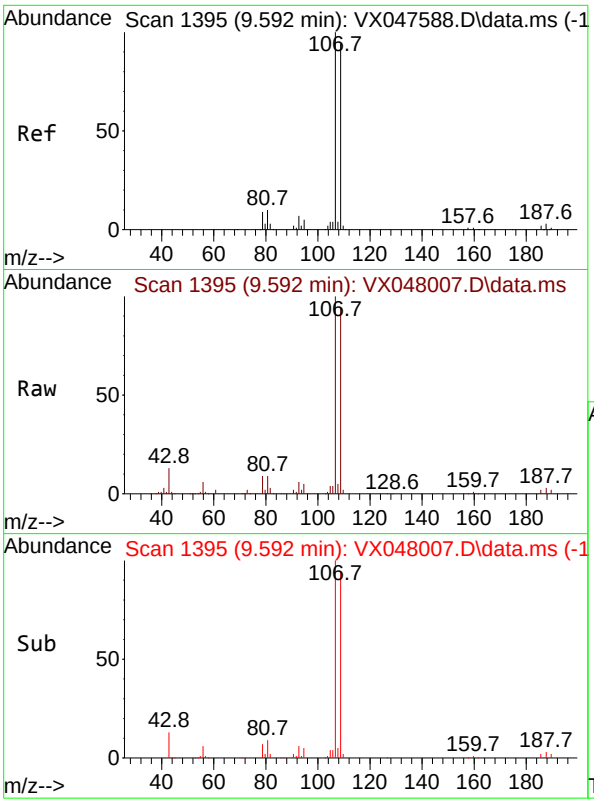


#60
Dibromochloromethane
Concen: 59.125 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:129 Resp: 104201

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.4	115.2



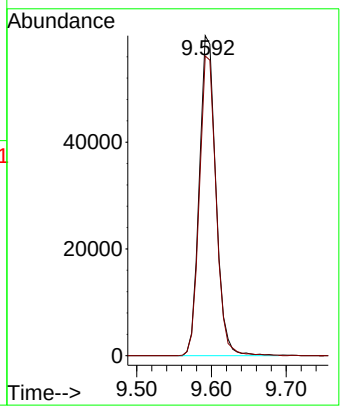


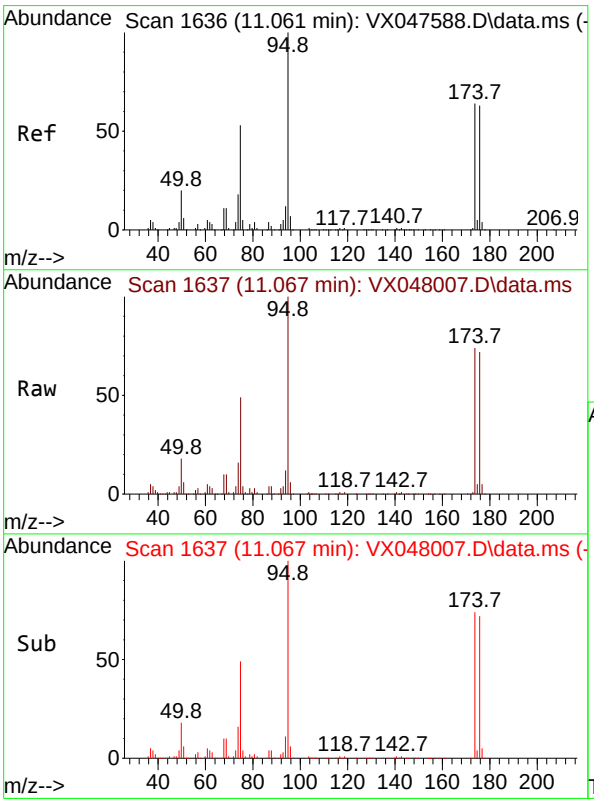
#61
1,2-Dibromoethane
Concen: 59.155 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 92159

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

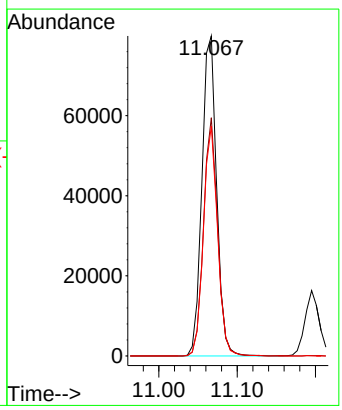


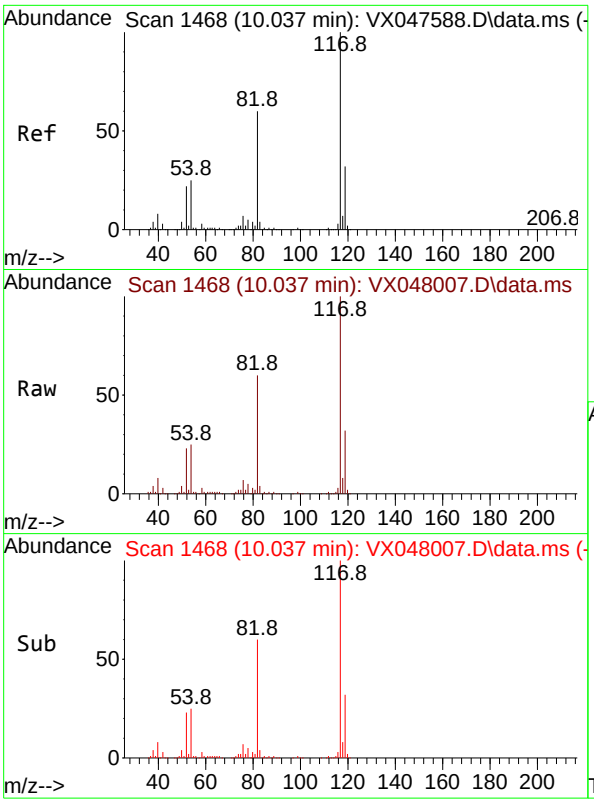


#62
4-Bromofluorobenzene
Concen: 54.596 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 95 Resp: 104011

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.2	0.0	138.4



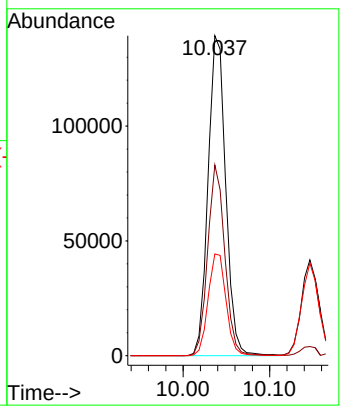


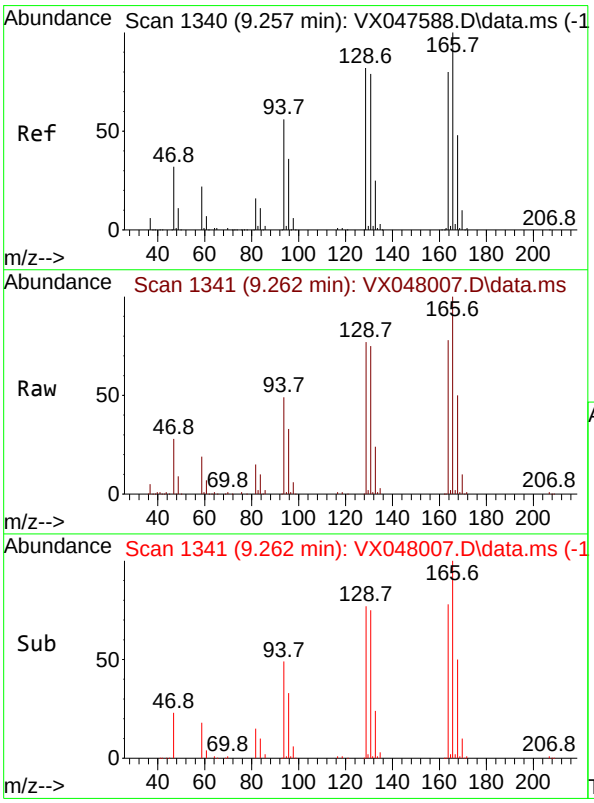
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 197136

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	31.8	25.2	37.8

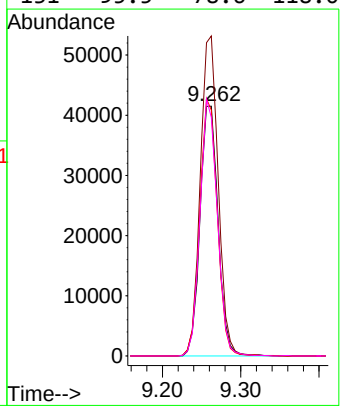


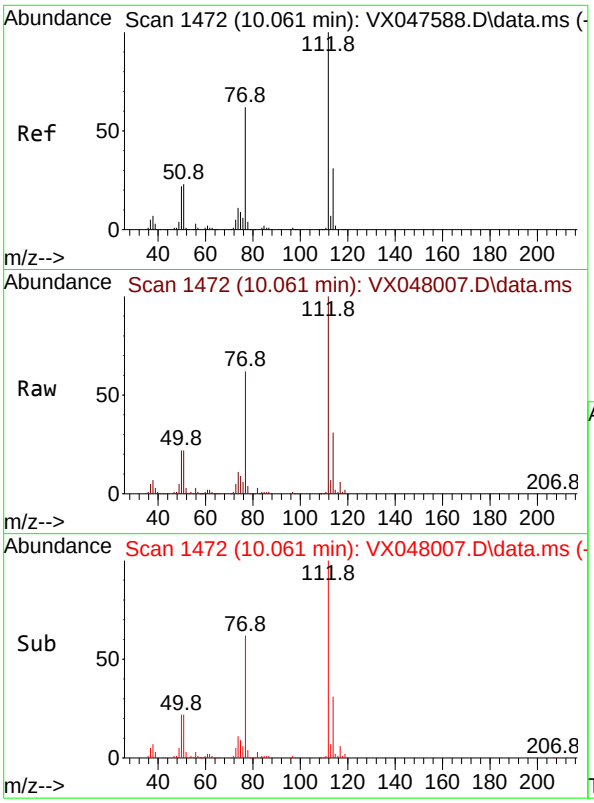


#64
Tetrachloroethene
Concen: 51.587 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:164 Resp: 66296

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.2	150.2
129	98.5	81.8	122.6
131	95.5	78.6	118.0



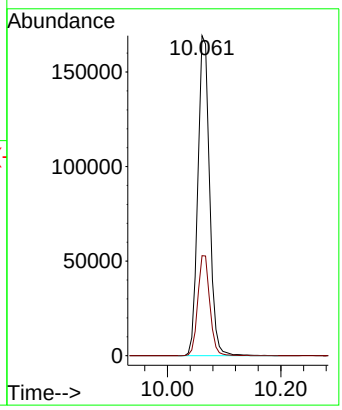


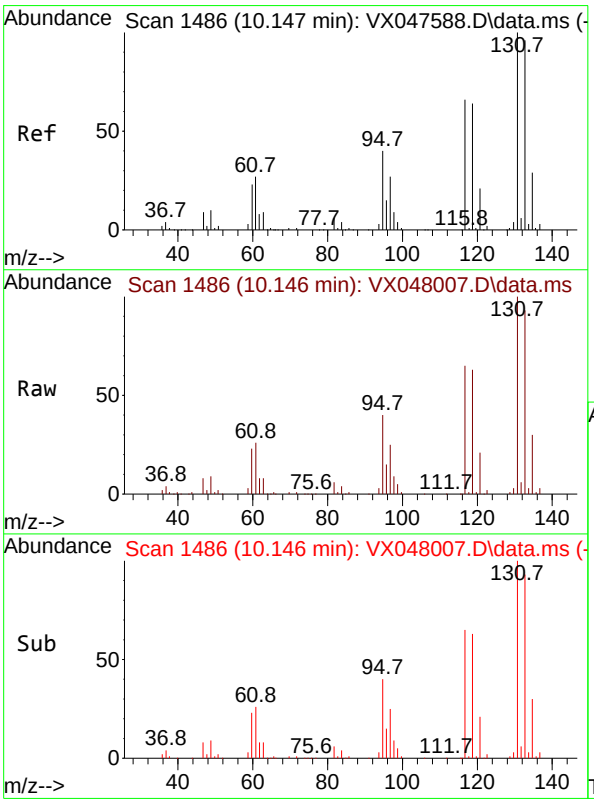
#65
Chlorobenzene
Concen: 54.082 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 242210

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.1	37.7

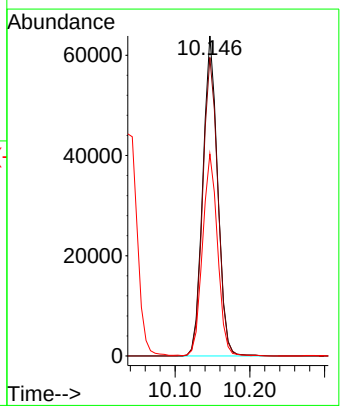


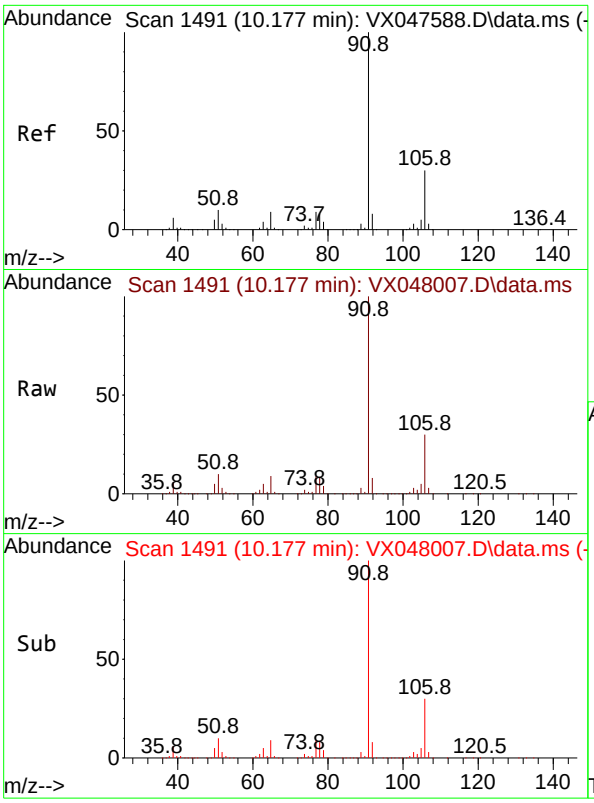


#66
1,1,1,2-Tetrachloroethane
Concen: 56.702 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:131 Resp: 87628

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	142.0
119	64.2	32.0	96.0



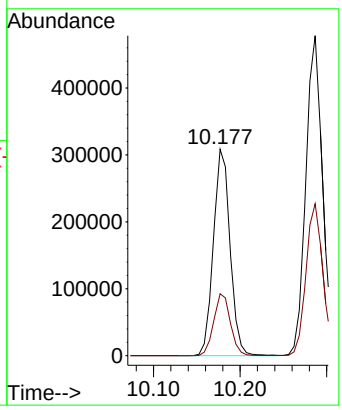


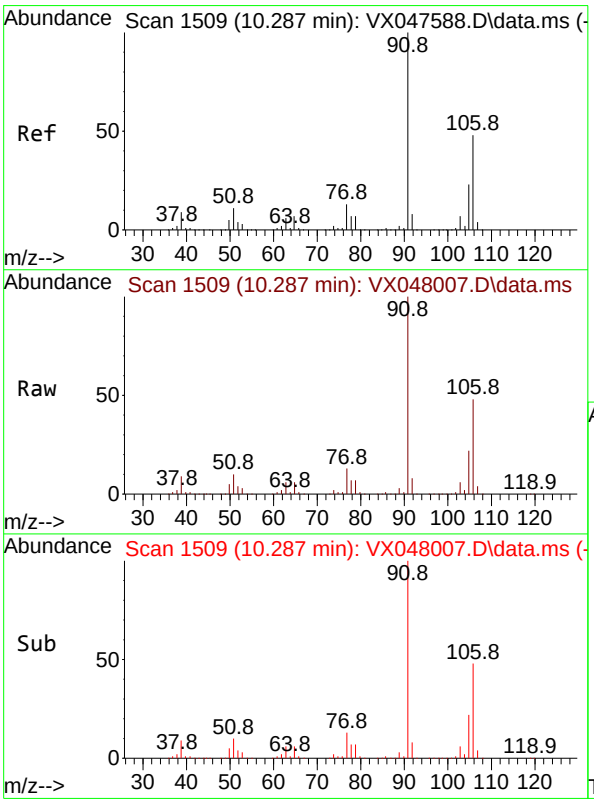
#67
Ethyl Benzene
Concen: 53.354 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 412286

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

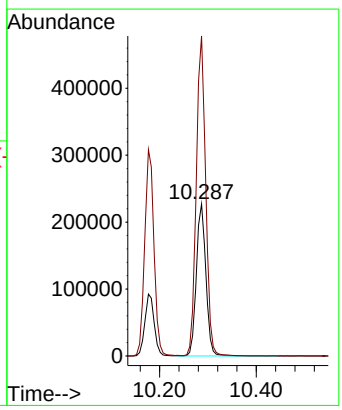


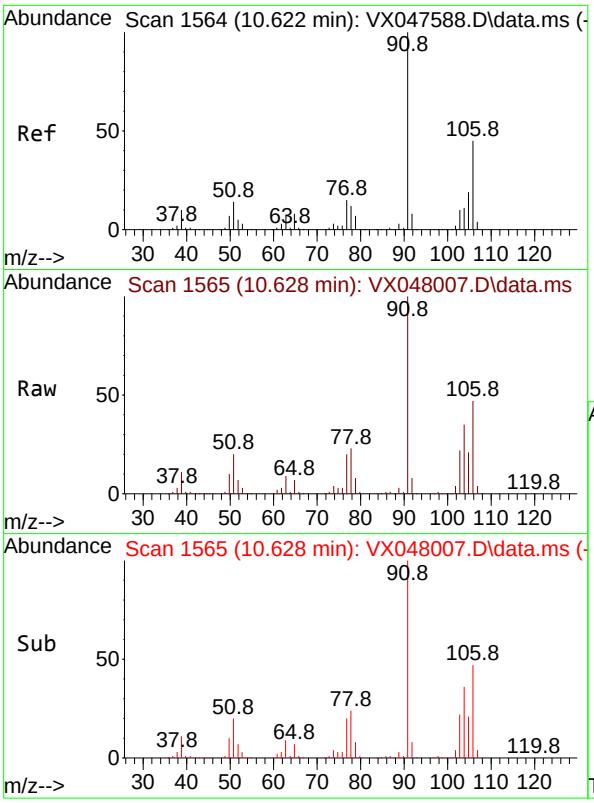


#68
m/p-Xylenes
Concen: 107.446 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:106 Resp: 309036

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



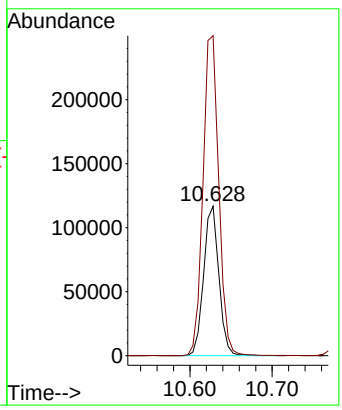


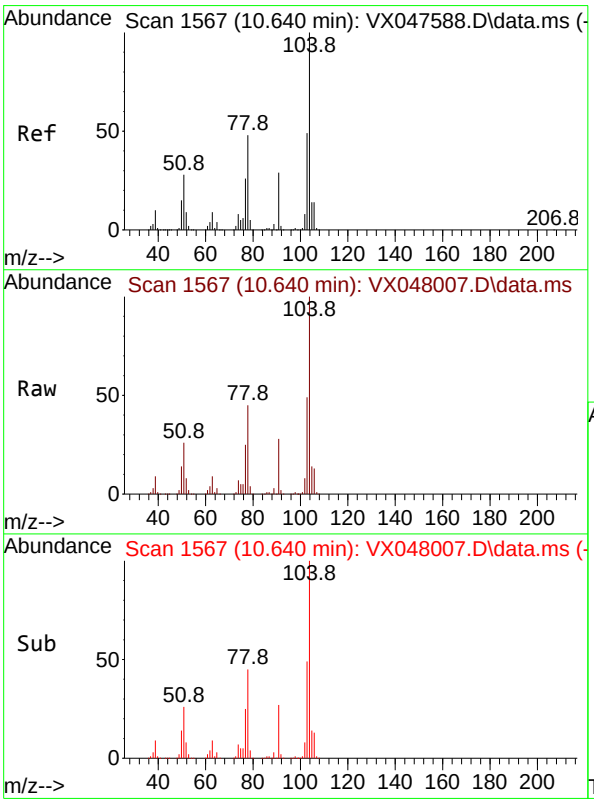
#69
o-Xylene
Concen: 54.003 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 150235

Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.1	333.4

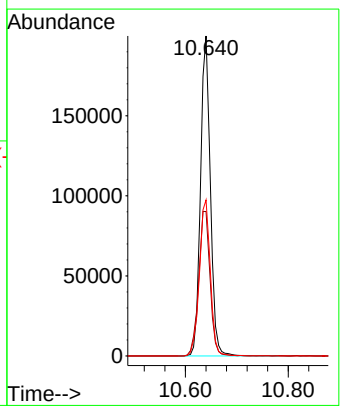


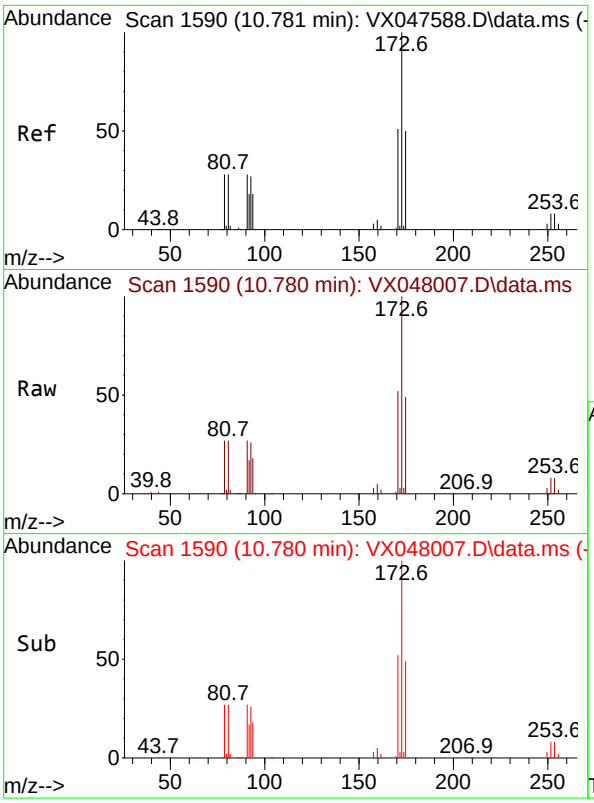


#70
Styrene
Concen: 54.501 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:104 Resp: 265668

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.1	43.1	64.7



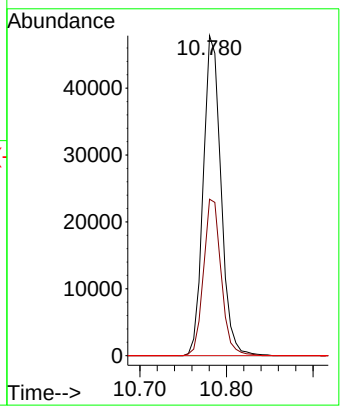


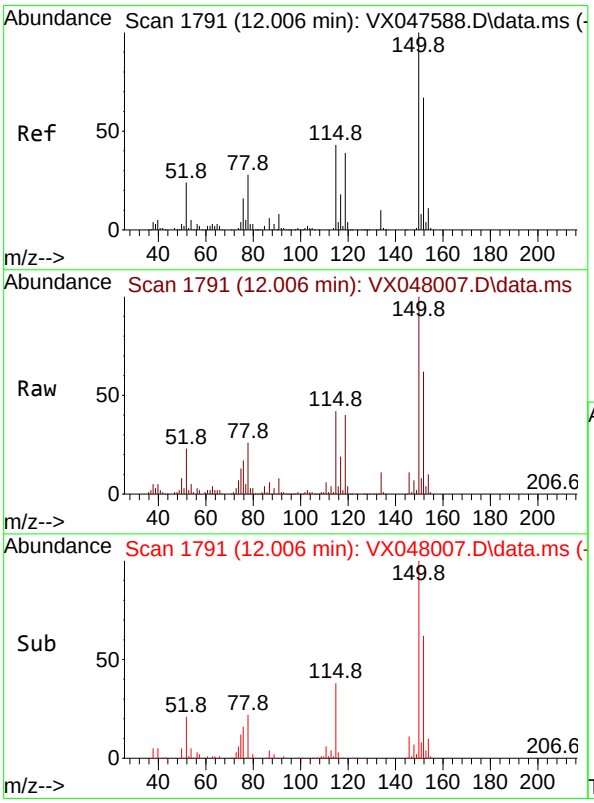
#71
Bromoform
Concen: 58.896 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 67964

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.0	0.1	0.1#

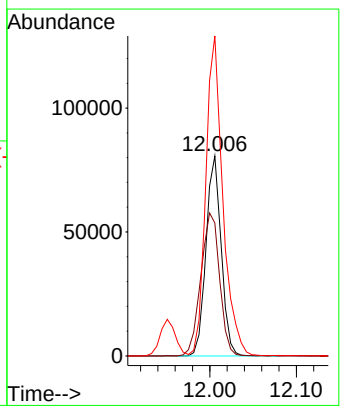


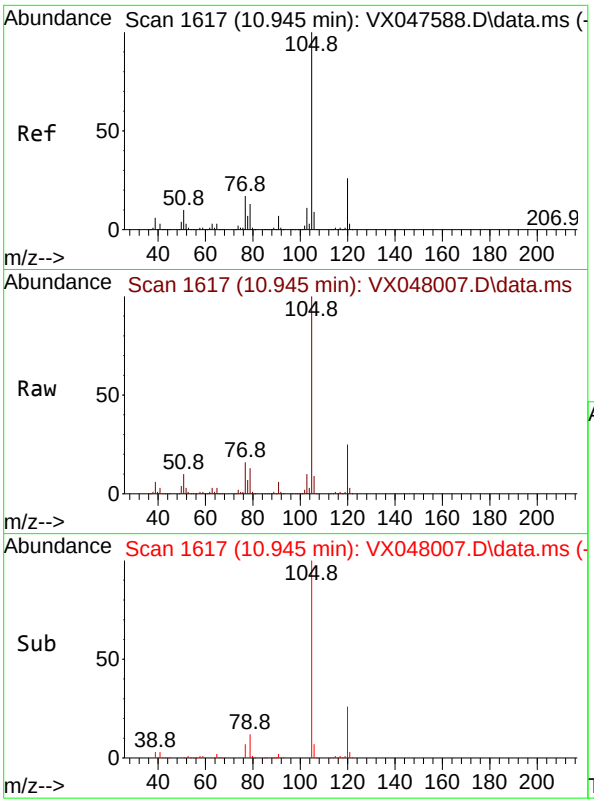


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:152 Resp: 98396

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.9	134.5
150	178.9	0.0	352.0



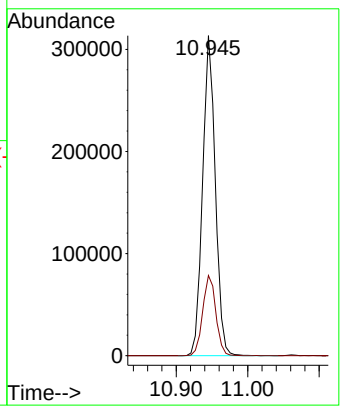


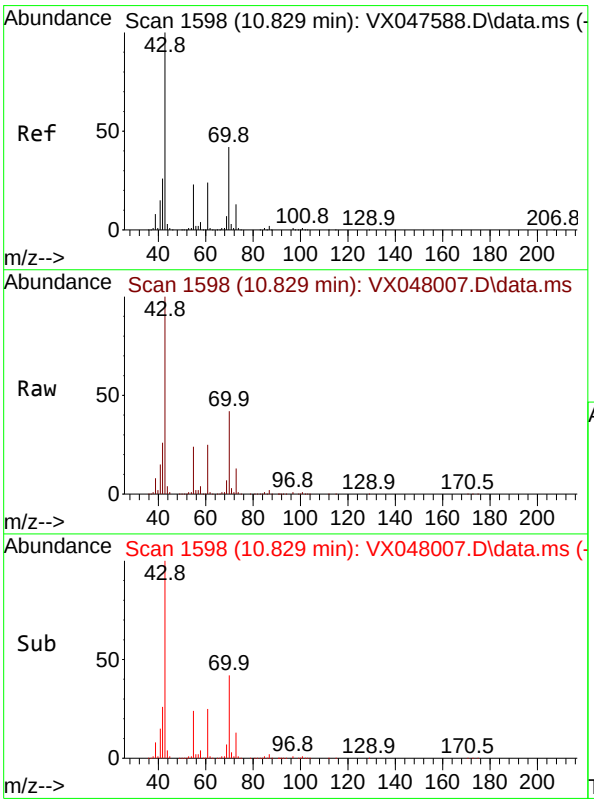
#73
Isopropylbenzene
Concen: 51.600 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 386001

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

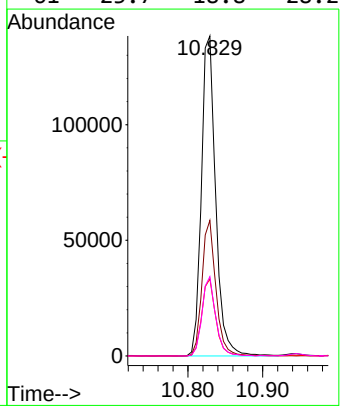


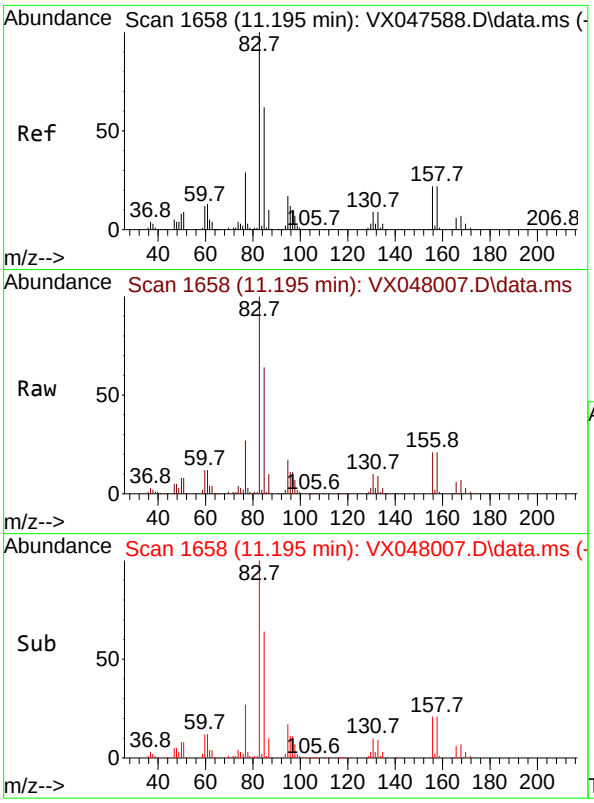


#74
N-amyl acetate
Concen: 53.851 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 183701

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.0	48.0
55	23.7	18.9	28.3
61	23.7	18.8	28.2



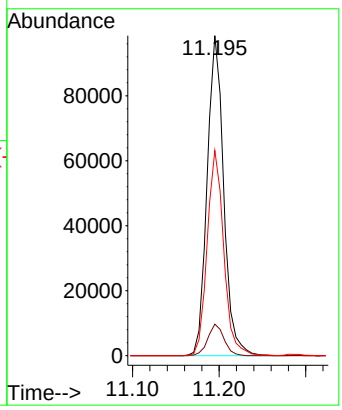


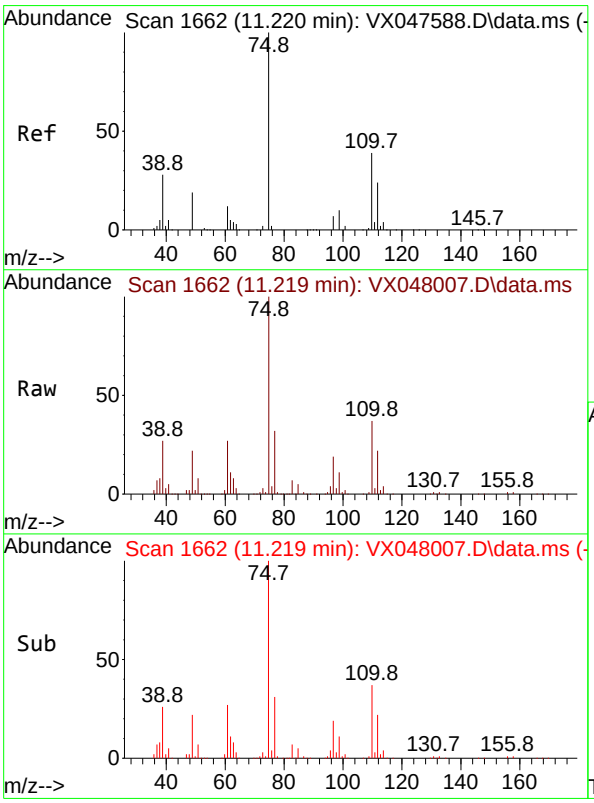
#75
1,1,2,2-Tetrachloroethane
Concen: 57.788 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 130791

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.6	95.0

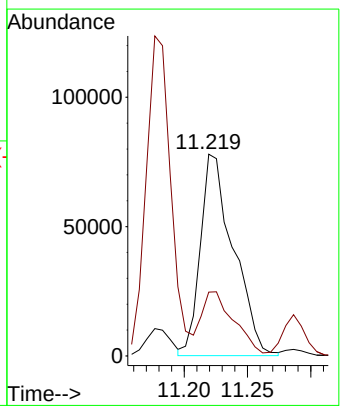


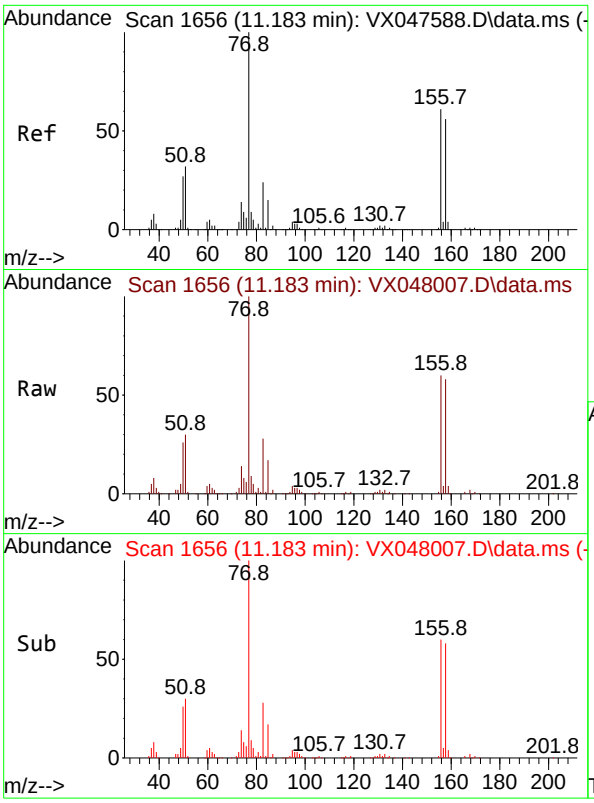


#76
1,2,3-Trichloropropane
Concen: 71.228 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 141901

Ion	Ratio	Lower	Upper
75	100		
77	31.0	18.8	56.4



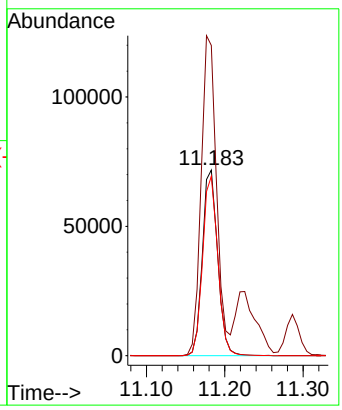


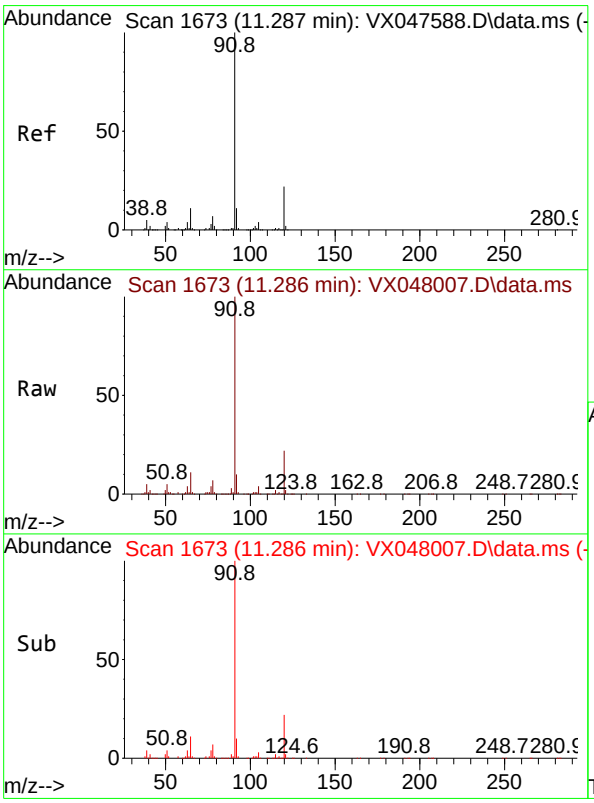
#77
Bromobenzene
Concen: 52.685 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 97069

Ion	Ratio	Lower	Upper
156	100		
77	174.7	89.7	269.1
158	96.3	47.9	143.6

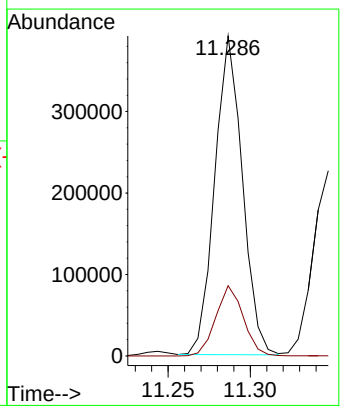


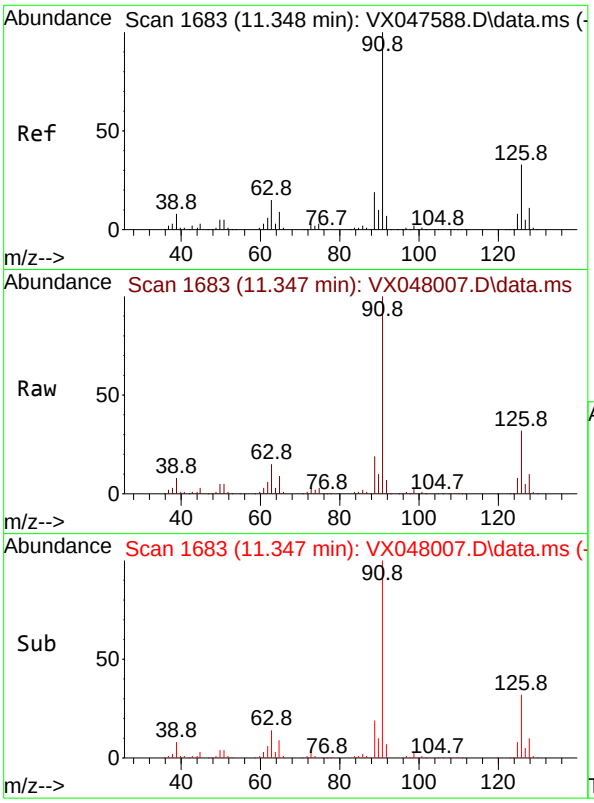


#78
n-propylbenzene
Concen: 51.642 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 456676

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



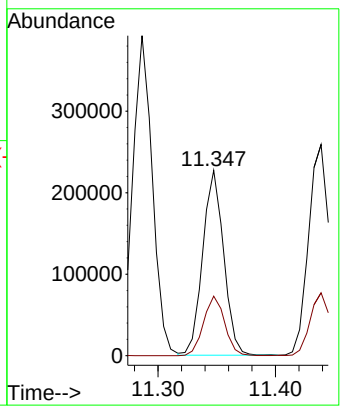


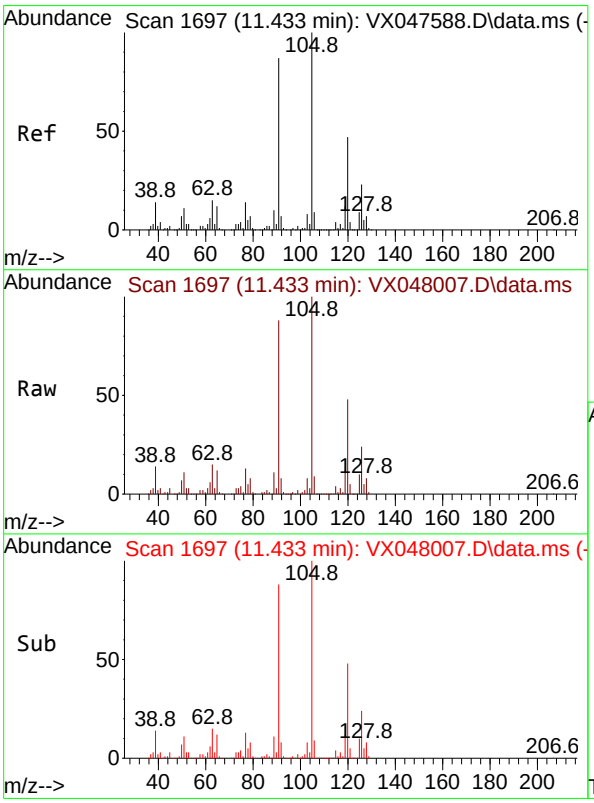
#79
2-Chlorotoluene
Concen: 51.959 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 281421

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

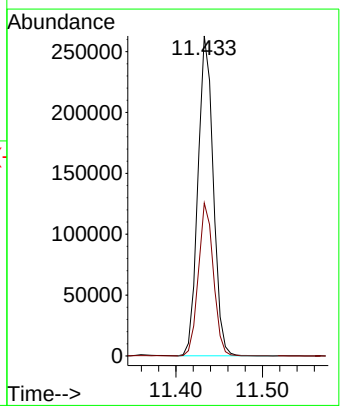


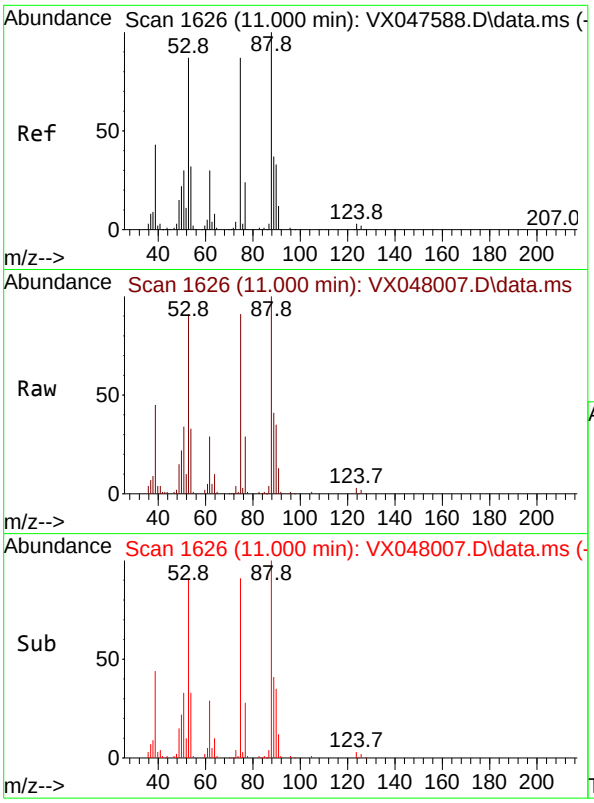


#80
1,3,5-Trimethylbenzene
Concen: 52.439 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 322291

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	70.8



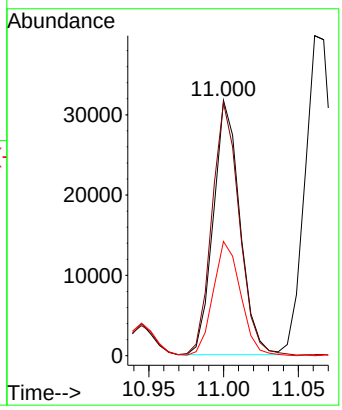


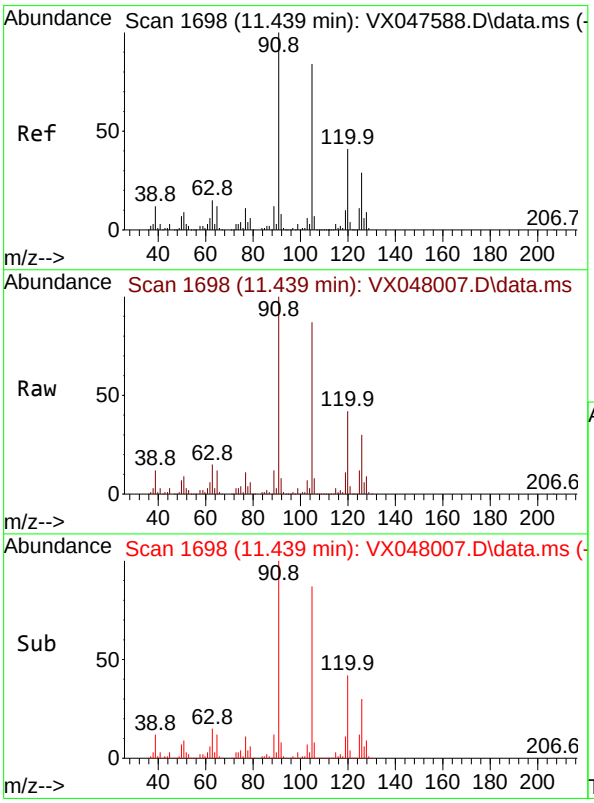
#81
trans-1,4-Dichloro-2-butene
Concen: 50.090 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 39131

Ion	Ratio	Lower	Upper
75	100		
53	102.2	83.4	125.2
89	46.4	36.3	54.5

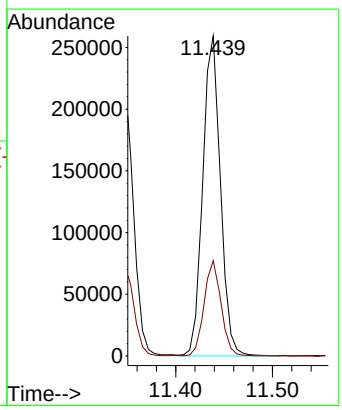


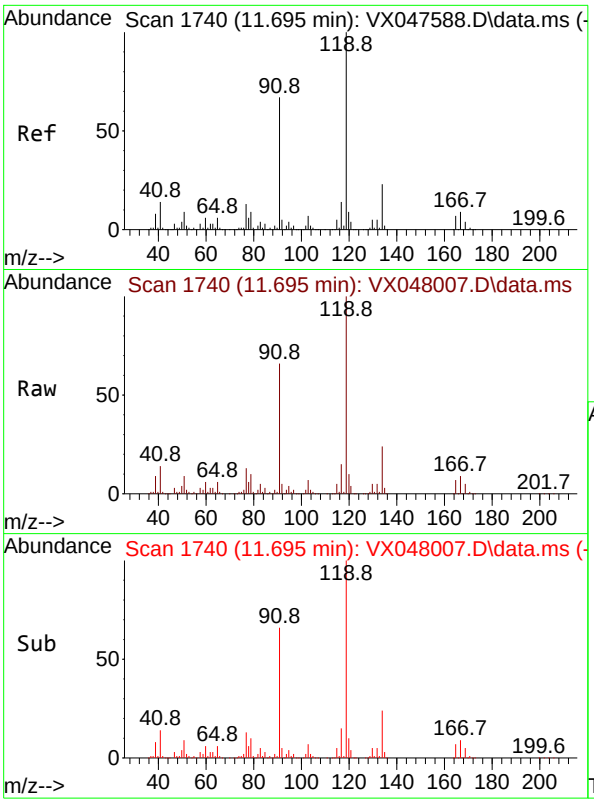


#82
4-Chlorotoluene
Concen: 51.647 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 330375

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



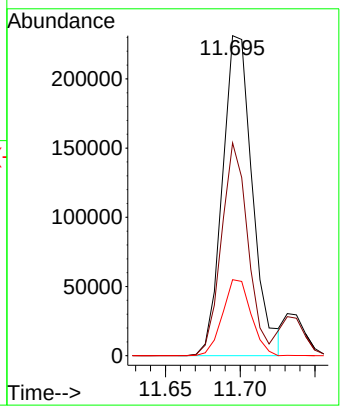


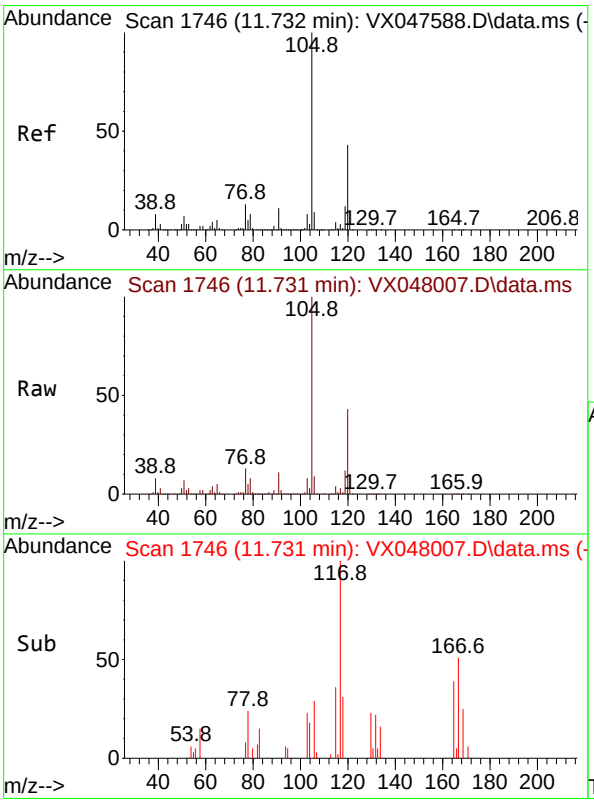
#83
tert-Butylbenzene
Concen: 51.357 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 323116

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.6	11.0	33.0

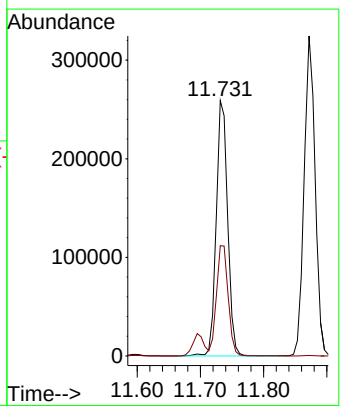


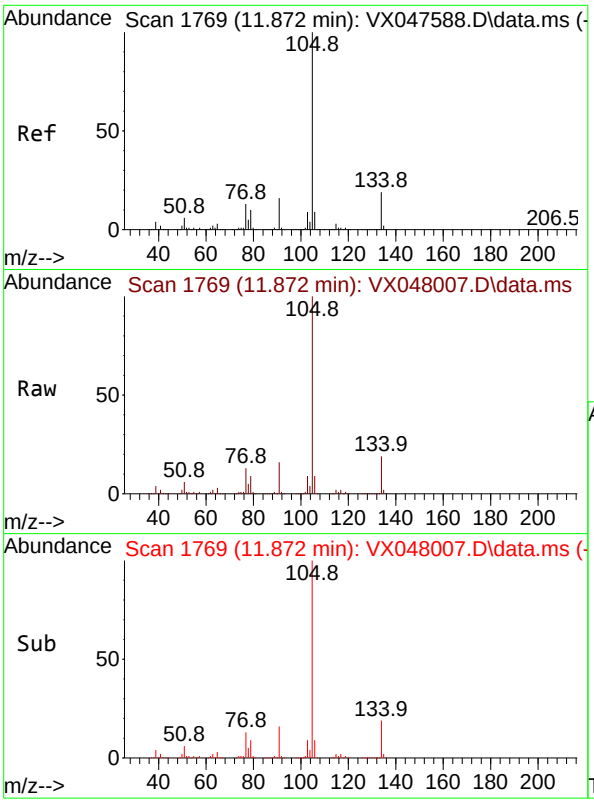


#84
1,2,4-Trimethylbenzene
Concen: 51.854 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 323106

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



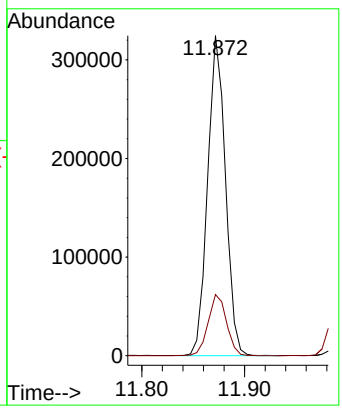


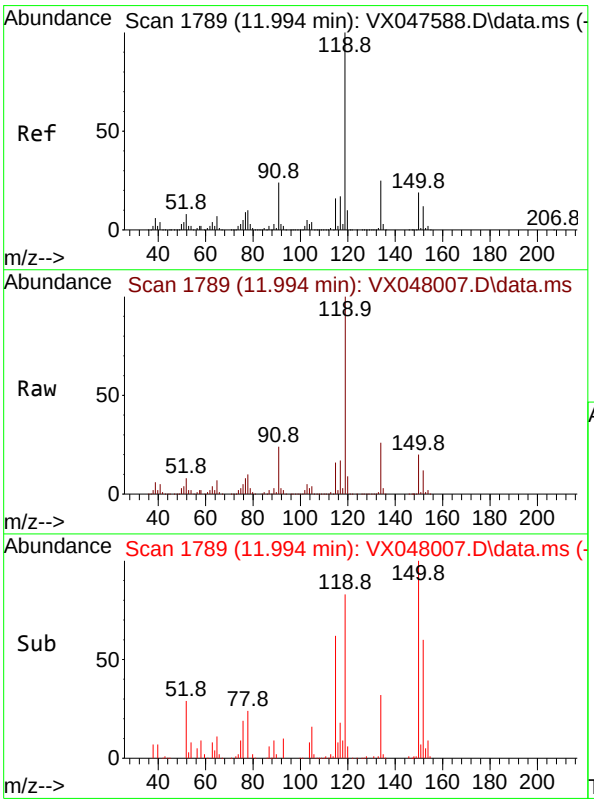
#85
sec-Butylbenzene
Concen: 52.211 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 390181

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

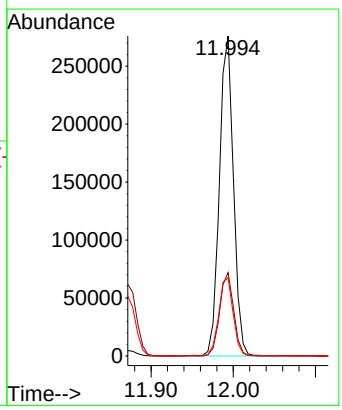


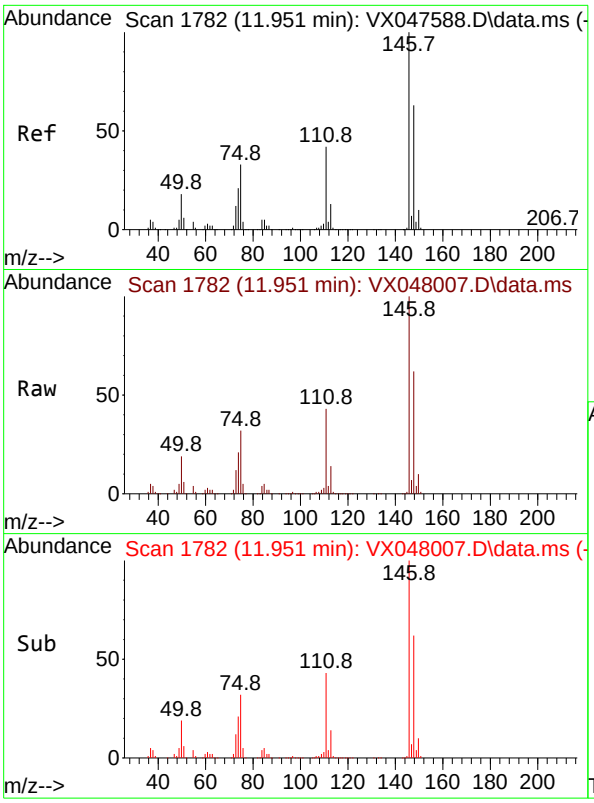


#86
p-Isopropyltoluene
Concen: 51.810 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:119 Resp: 327789

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.9	12.6	37.6



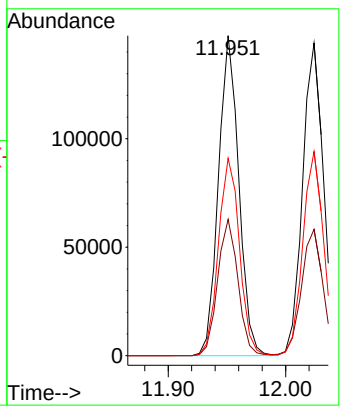


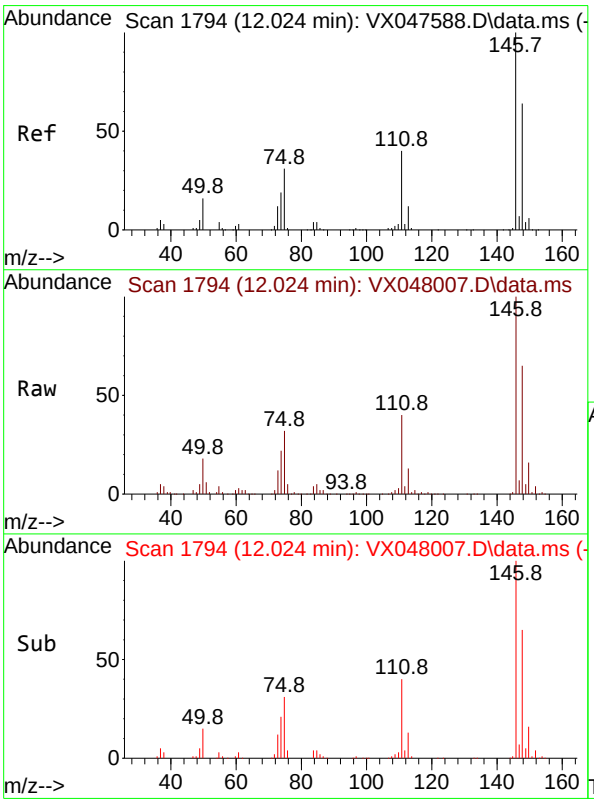
#87
1,3-Dichlorobenzene
Concen: 52.025 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 178037

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.8	32.0	96.0

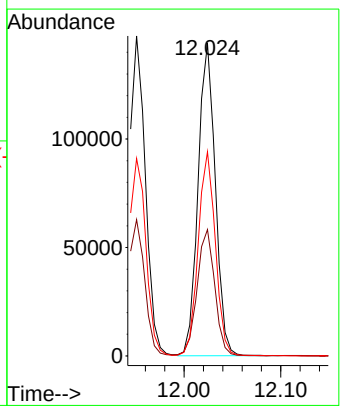


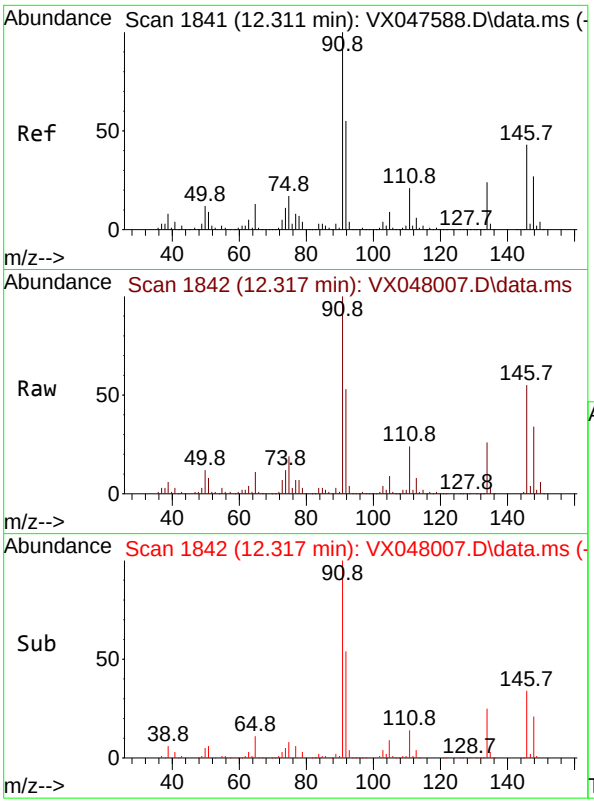


#88
1,4-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 179124

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	65.4	31.7	95.1



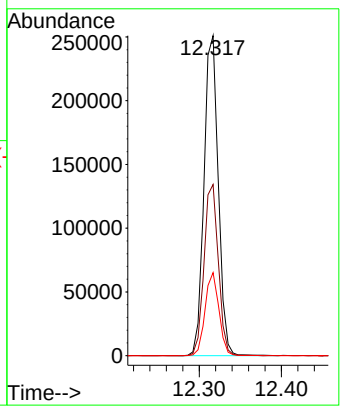


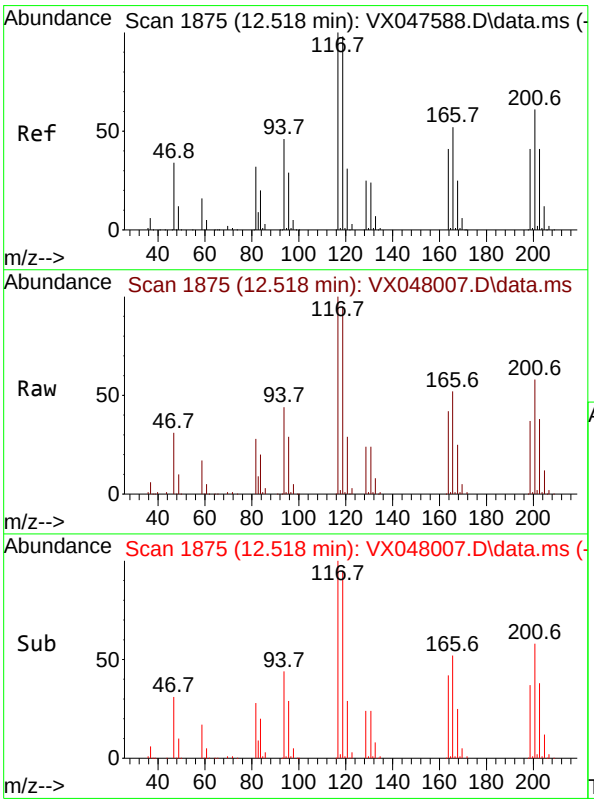
#89
n-Butylbenzene
Concen: 51.628 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 302237

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	25.3	12.6	37.8

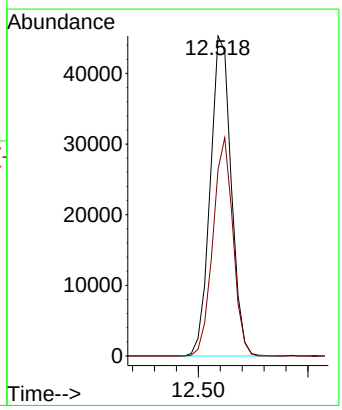


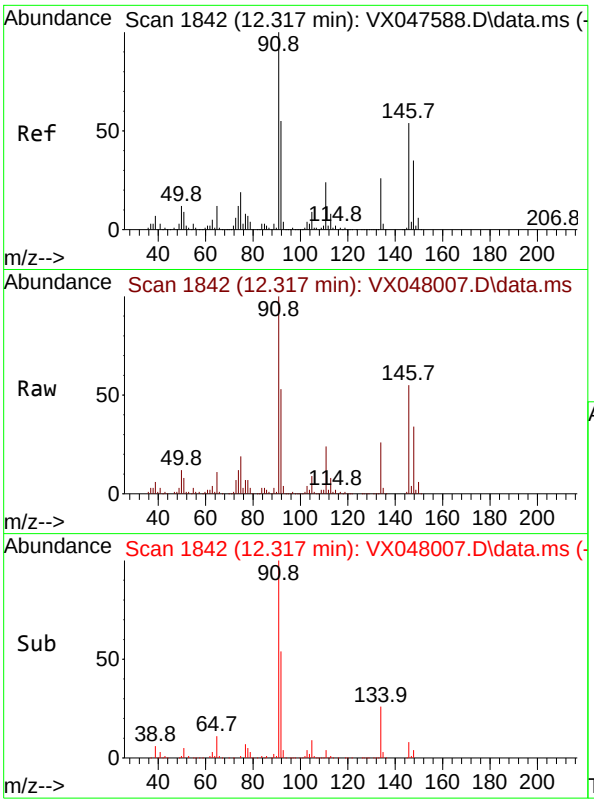


#90
Hexachloroethane
Concen: 53.936 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 59911

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5



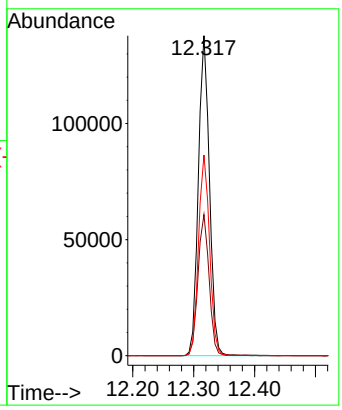


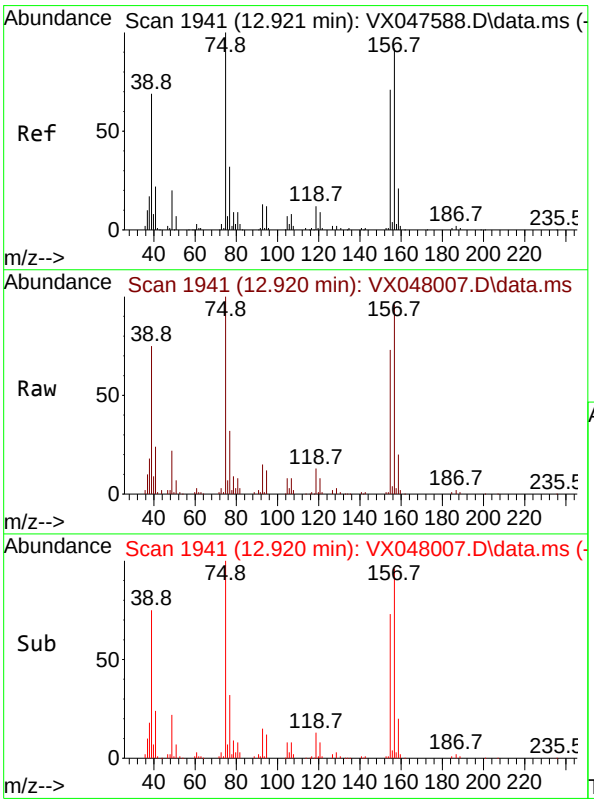
#91
1,2-Dichlorobenzene
Concen: 53.416 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 174153

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	62.5	31.8	95.4

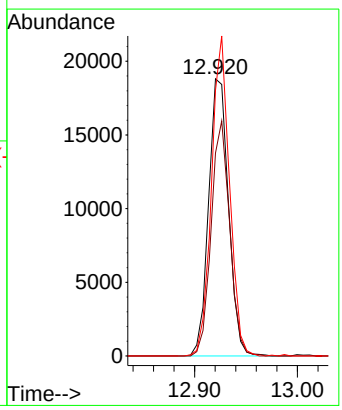


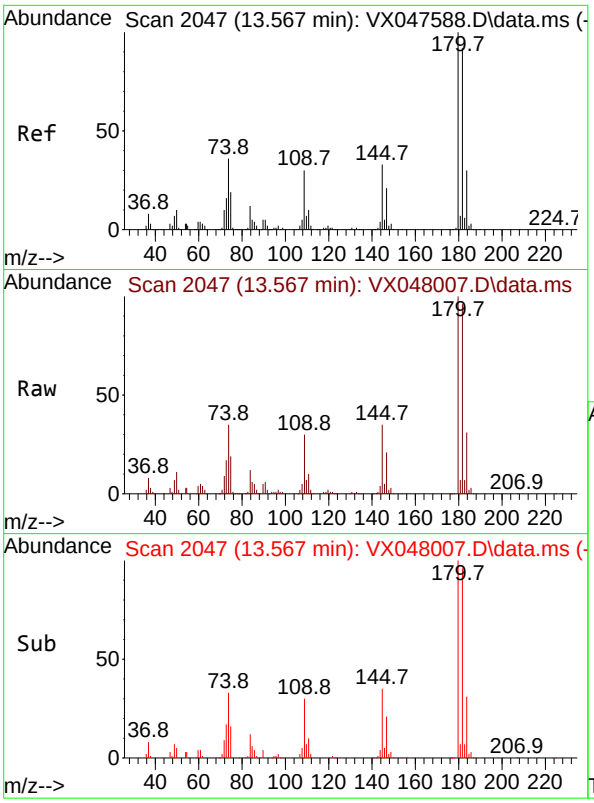


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.167 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 25279

Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.7	113.1
157	104.3	49.8	149.4



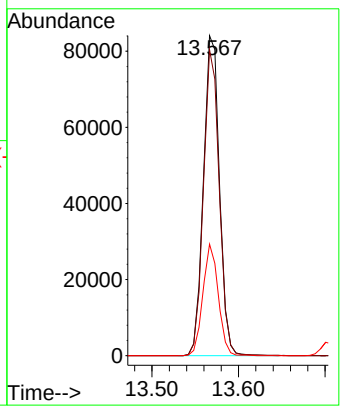


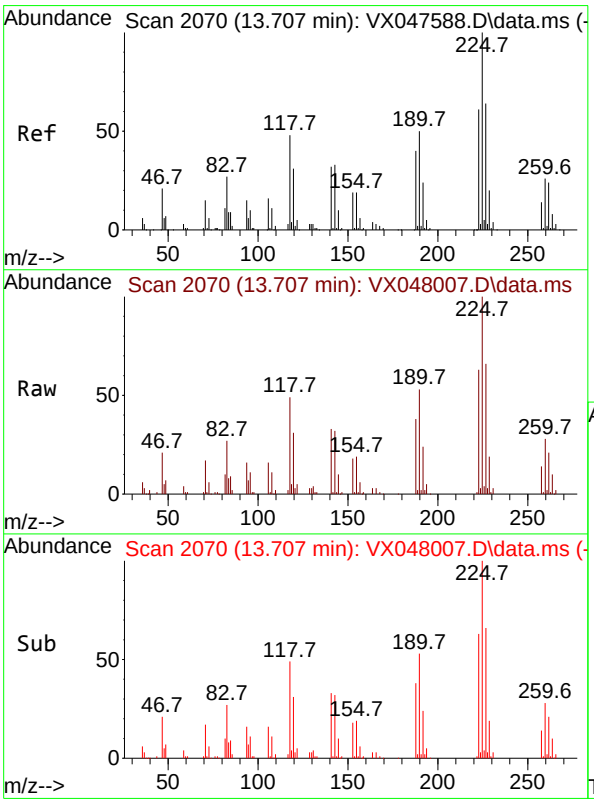
#93
1,2,4-Trichlorobenzene
Concen: 50.989 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 108041

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	33.5	16.4	49.1

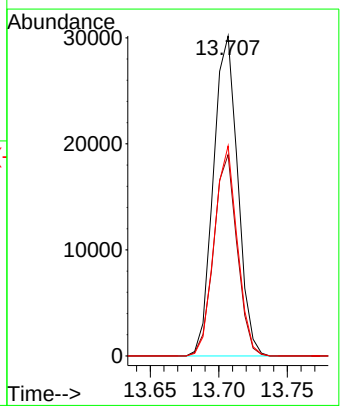


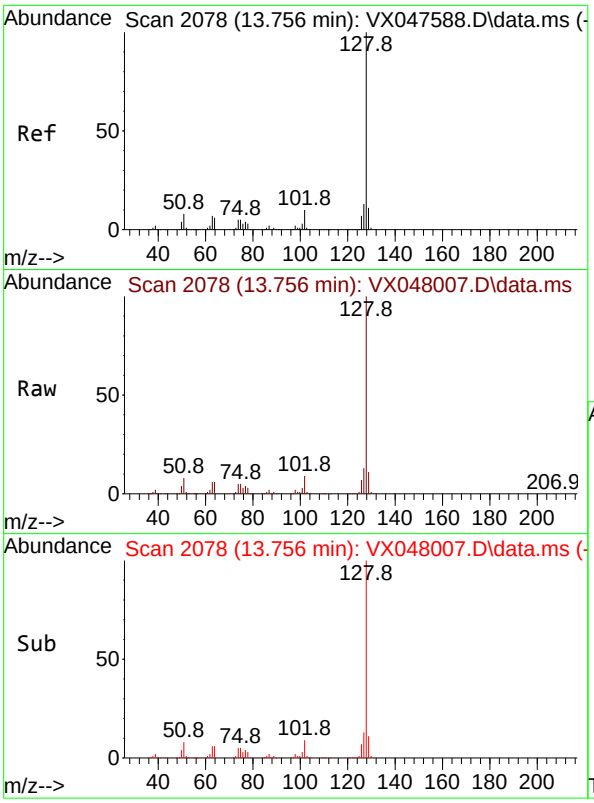


#94
Hexachlorobutadiene
Concen: 51.768 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:225 Resp: 37259

Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.7	95.1
227	62.2	32.0	96.0



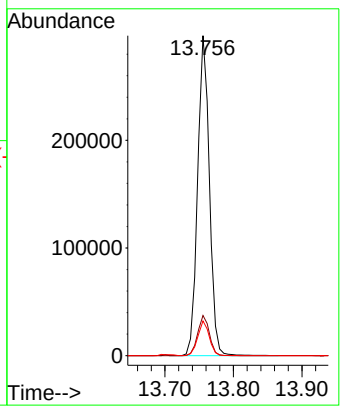


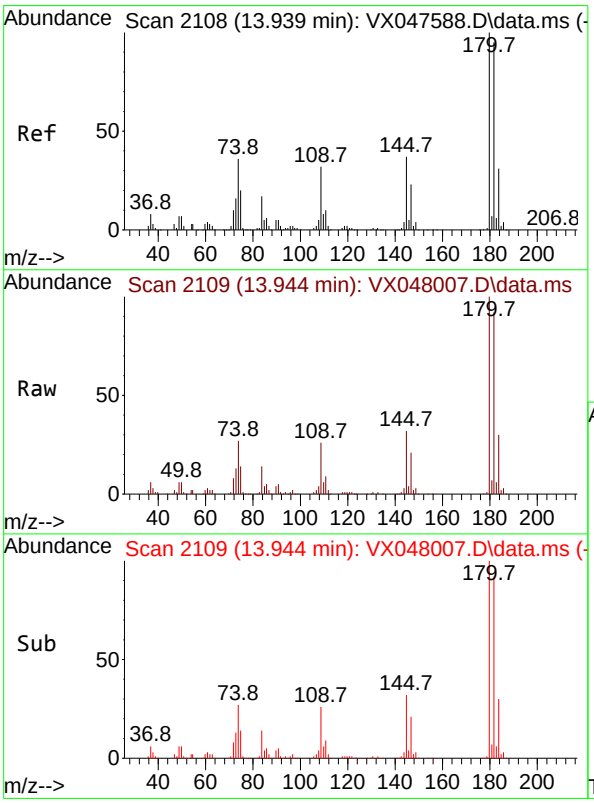
#95
Naphthalene
Concen: 55.115 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 355616

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.5	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 53.582 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:180 Resp: 105613

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	33.9	17.9	53.7