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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : Q1582

ATTENTION : Eleanor Vivadou

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1582

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q1582-01	RE117D1-20250313
Q1582-02	TT180D1-20250313
Q1582-03	TT180D2-20250313
Q1582-04	TT180D-20250313
Q1582-05	FB02-20250313
Q1582-06	RE131D1-20250313
Q1582-07	RE131D2-20250313
Q1582-08	RE131D3-20250313
Q1582-09	TT119S1-20250313
Q1582-10	RE114D1-20250313
Q1582-11	BPOW1-7-20250314
Q1582-12	BPOW1-8-20250314
Q1582-13	TT191D1-20250314
Q1582-14	TT191D2-20250314
Q1582-15	DUP06-20250314
Q1582-16	FB

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:17 am, Mar 28, 2025

Date: 3/25/2025

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
Chemtech Project # Q1582
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
16 Water samples were received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and 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#121-1324UIThe analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID VX045347.D met the requirements except for Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken.

The Continuous Calibration File ID VX045375.D met the requirements except for cis-1,3-Dichloropropene,Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken.
The Tuning criteria met requirements.

Samples TT180D1-20250313, TT180D2-20250313, RE131D1-20250313, RE131D2-20250313, RE131D3-20250313 and RE114D1-20250313 were diluted due to high concentrations.

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The Samples TT180D1-20250313DL and TT180D-20250313 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

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

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

Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 8:17 am, Mar 28, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

CHEMTECH PROJECT NUMBER: Q1582 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 VX045347.D met the requirements except for Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken. The Continuous Calibration File ID VX045375.D met the requirements except for cis-1,3-Dichloropropene,Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate samples 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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
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:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

Samples TT180D1-20250313, TT180D2-20250313, RE131D1-20250313, RE131D2-20250313, RE131D3-20250313 and RE114D1-20250313 were diluted due to high concentrations.

The Samples TT180D1-20250313DL and TT180D-20250313 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 8:18 am, Mar 28, 2025

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1582

	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: MOHAMMAD AHMED **Date:** 03/25/2025

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LAB CHRONICLE

OrderID:	Q1582	**OrderDate:**	3/14/2025 1:09:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	I42,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1582-01	**RE117D1-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1582-02	**TT180D1-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/20/25	
Q1582-02DL	**TT180D1-20250313DL**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1582-03	**TT180D2-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/20/25	
Q1582-03DL	**TT180D2-20250313DL**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1582-04	**TT180D-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1582-05	**FB02-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1582-06	**RE131D1-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/20/25	
Q1582-06DL	**RE131D1-20250313DL**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	
Q1582-07	**RE131D2-20250313**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/20/25	
Q1582-07DL	**RE131D2-20250313DL**	**Water**			**03/13/25**			**03/14/25**
			VOCMS Group1	8260-Low			03/21/25	

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LAB CHRONICLE

Q1582-08	**RE131D3-20250313**	**Water**			**03/13/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/20/25	
Q1582-08DL	**RE131D3-20250313DL**	**Water**			**03/13/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-09	**TT119S1-20250313**	**Water**			**03/13/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-10	**RE114D1-20250313**	**Water**			**03/13/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/20/25	
Q1582-10DL	**RE114D1-20250313DL**	**Water**			**03/13/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-11	**BPOW1-7-20250314**	**Water**			**03/14/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-12	**BPOW1-8-20250314**	**Water**			**03/14/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/20/25	
Q1582-13	**TT191D1-20250314**	**Water**			**03/14/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-14	**TT191D2-20250314**	**Water**			**03/14/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-15	**DUP06-20250314**	**Water**			**03/14/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/21/25	
Q1582-16	**FB**	**Water**			**03/14/25**		**03/14/25**
			VOCMS Group1	8260-Low		03/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE117D1-20250313**								
Q1582-01	RE117D1-20250313	Water	1,1,2-Trichlorotrifluoroethane	1.80		0.25	0.50	1.00	ug/L
Q1582-01	RE117D1-20250313	Water	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
Q1582-01	RE117D1-20250313	Water	Acetone	2.60	J	1.50	3.80	5.00	ug/L
Q1582-01	RE117D1-20250313	Water	Carbon Tetrachloride	1.60		0.25	0.50	1.00	ug/L
Q1582-01	RE117D1-20250313	Water	cis-1,2-Dichloroethene	1.30		0.19	0.75	1.00	ug/L
Q1582-01	RE117D1-20250313	Water	Trichloroethene	120		0.090	0.75	1.00	ug/L
			Total Voc :	129					
			Total Concentration:	129					
Client ID:	**TT180D1-20250313**								
Q1582-02	TT180D1-20250313	Water	Dichlorodifluoromethane	1.10		0.22	0.50	1.00	ug/L
Q1582-02	TT180D1-20250313	Water	1,1,2-Trichlorotrifluoroethane	4.60		0.25	0.50	1.00	ug/L
Q1582-02	TT180D1-20250313	Water	1,1-Dichloroethene	2.40		0.23	0.75	1.00	ug/L
Q1582-02	TT180D1-20250313	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q1582-02	TT180D1-20250313	Water	cis-1,2-Dichloroethene	1.10		0.19	0.75	1.00	ug/L
Q1582-02	TT180D1-20250313	Water	Chloroform	1.10		0.25	0.50	1.00	ug/L
Q1582-02	TT180D1-20250313	Water	Trichloroethene	180	E	0.090	0.75	1.00	ug/L
Q1582-02	TT180D1-20250313	Water	1,1,2-Trichloroethane	0.80	J	0.21	0.50	1.00	ug/L
			Total Voc :	194					
			Total Concentration:	194					
Client ID:	**TT180D1-20250313DL**								
Q1582-02DL	TT180D1-20250313	Water	1,1,2-Trichlorotrifluoroethane	6.10	D	1.00	2.00	4.00	ug/L
Q1582-02DL	TT180D1-20250313	Water	1,1-Dichloroethene	2.90	JD	0.92	3.00	4.00	ug/L
Q1582-02DL	TT180D1-20250313	Water	Trichloroethene	220	D	0.37	3.00	4.00	ug/L
			Total Voc :	229					
			Total Concentration:	229					
Client ID:	**TT180D2-20250313**								
Q1582-03	TT180D2-20250313	Water	Dichlorodifluoromethane	0.77	J	0.22	0.50	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	1,1,2-Trichlorotrifluoroethane	43.4		0.25	0.50	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	1,1-Dichloroethene	19.9		0.23	0.75	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
Q1582-03	TT180D2-20250313	Water	Carbon Tetrachloride	2.20		0.25	0.50	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	cis-1,2-Dichloroethene	3.50		0.19	0.75	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	Chloroform	0.90	J	0.25	0.50	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	Trichloroethene	430	E	0.090	0.75	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	1,1,2-Trichloroethane	0.90	J	0.21	0.50	1.00	ug/L
Q1582-03	TT180D2-20250313	Water	Tetrachloroethene	0.30	J	0.23	0.50	1.00	ug/L
			Total Voc :	504					

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	504					
Client ID:	**TT180D2-20250313DL**								
Q1582-03DL	TT180D2-20250313	Water	1,1,2-Trichlorotrifluoroethane	43.9	D	2.50	5.00	10.0	ug/L
Q1582-03DL	TT180D2-20250313	Water	1,1-Dichloroethene	20.8	D	2.30	7.50	10.0	ug/L
Q1582-03DL	TT180D2-20250313	Water	Trichloroethene	450	D	0.93	7.50	10.0	ug/L
			Total Voc :	515					
			Total Concentration:	515					
Client ID:	**TT180D-20250313**								
Q1582-04	TT180D-20250313	Water	Trichloroethene	2.50		0.090	0.75	1.00	ug/L
			Total Voc :	2.50					
			Total Concentration:	2.50					
Client ID:	**FB02-20250313**								
Q1582-05	FB02-20250313	Water	Acetone	5.70		1.50	3.80	5.00	ug/L
			Total Voc :	5.70					
			Total Concentration:	5.70					
Client ID:	**RE131D1-20250313**								
Q1582-06	RE131D1-20250313	Water	1,1,2-Trichlorotrifluoroethane	3.90		0.25	0.50	1.00	ug/L
Q1582-06	RE131D1-20250313	Water	1,1-Dichloroethene	1.10		0.23	0.75	1.00	ug/L
Q1582-06	RE131D1-20250313	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q1582-06	RE131D1-20250313	Water	Methyl tert-butyl Ether	1.20		0.16	0.50	1.00	ug/L
Q1582-06	RE131D1-20250313	Water	cis-1,2-Dichloroethene	4.20		0.19	0.75	1.00	ug/L
Q1582-06	RE131D1-20250313	Water	Chloroform	1.80		0.25	0.50	1.00	ug/L
Q1582-06	RE131D1-20250313	Water	Trichloroethene	260	E	0.090	0.75	1.00	ug/L
Q1582-06	RE131D1-20250313	Water	Tetrachloroethene	19.5		0.23	0.50	1.00	ug/L
			Total Voc :	294					
			Total Concentration:	294					
Client ID:	**RE131D1-20250313DL**								
Q1582-06DL	RE131D1-20250313	Water	Trichloroethene	210	D	0.47	3.80	5.00	ug/L
Q1582-06DL	RE131D1-20250313	Water	Tetrachloroethene	15.3	D	1.20	2.50	5.00	ug/L
			Total Voc :	225					
			Total Concentration:	225					
Client ID:	**RE131D2-20250313**								
Q1582-07	RE131D2-20250313	Water	1,1,2-Trichlorotrifluoroethane	200	E	0.25	0.50	1.00	ug/L
Q1582-07	RE131D2-20250313	Water	1,1-Dichloroethene	2.00		0.23	0.75	1.00	ug/L
Q1582-07	RE131D2-20250313	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1582-07	RE131D2-20250313	Water	cis-1,2-Dichloroethene	5.70		0.19	0.75	1.00	ug/L
Q1582-07	RE131D2-20250313	Water	Trichloroethene	230	E	0.090	0.75	1.00	ug/L
Q1582-07	RE131D2-20250313	Water	Tetrachloroethene	22.2		0.23	0.50	1.00	ug/L
			Total Voc :	462					
			Total Concentration:	462					

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Hit Summary Sheet
SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE131D2-20250313DL**								
Q1582-07DL	RE131D2-2025031:	Water	1,1,2-Trichlorotrifluoroethane	200	D	1.30	2.50	5.00	ug/L
Q1582-07DL	RE131D2-2025031:	Water	Trichloroethene	230	D	0.47	3.80	5.00	ug/L
Q1582-07DL	RE131D2-2025031:	Water	Tetrachloroethene	21.0	D	1.20	2.50	5.00	ug/L
			Total Voc :	451					
			Total Concentration:	451					
Client ID:	**RE131D3-20250313**								
Q1582-08	RE131D3-2025031:	Water	1,1,2-Trichlorotrifluoroethane	720	E	0.25	0.50	1.00	ug/L
Q1582-08	RE131D3-2025031:	Water	cis-1,2-Dichloroethene	1.40		0.19	0.75	1.00	ug/L
Q1582-08	RE131D3-2025031:	Water	Trichloroethene	58.1		0.090	0.75	1.00	ug/L
Q1582-08	RE131D3-2025031:	Water	1,2-Dichloropropane	2.20		0.20	0.50	1.00	ug/L
Q1582-08	RE131D3-2025031:	Water	Tetrachloroethene	64.9		0.23	0.50	1.00	ug/L
			Total Voc :	847					
			Total Concentration:	847					
Client ID:	**RE131D3-20250313DL**								
Q1582-08DL	RE131D3-2025031:	Water	1,1,2-Trichlorotrifluoroethane	630	D	5.00	10.0	20.0	ug/L
Q1582-08DL	RE131D3-2025031:	Water	Trichloroethene	59.3	D	1.90	15.0	20.0	ug/L
Q1582-08DL	RE131D3-2025031:	Water	Tetrachloroethene	57.9	D	4.60	10.0	20.0	ug/L
			Total Voc :	747					
			Total Concentration:	747					
Client ID:	**TT119S1-20250313**								
Q1582-09	TT119S1-20250313	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
Q1582-09	TT119S1-20250313	Water	Trichloroethene	2.00		0.090	0.75	1.00	ug/L
Q1582-09	TT119S1-20250313	Water	Tetrachloroethene	0.53	J	0.23	0.50	1.00	ug/L
			Total Voc :	4.43					
			Total Concentration:	4.43					
Client ID:	**RE114D1-20250313**								
Q1582-10	RE114D1-2025031:	Water	Dichlorodifluoromethane	1.10		0.22	0.50	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	1,1,2-Trichlorotrifluoroethane	25.6		0.25	0.50	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	1,1-Dichloroethene	3.50		0.23	0.75	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	Acetone	2.80	J	1.50	3.80	5.00	ug/L
Q1582-10	RE114D1-2025031:	Water	Carbon Tetrachloride	2.20		0.25	0.50	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	cis-1,2-Dichloroethene	4.70		0.19	0.75	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	Chloroform	2.70		0.25	0.50	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	Trichloroethene	390	E	0.090	0.75	1.00	ug/L
Q1582-10	RE114D1-2025031:	Water	1,1,2-Trichloroethane	1.20		0.21	0.50	1.00	ug/L
			Total Voc :	434					
			Total Concentration:	434					
Client ID:	**RE114D1-20250313DL**								

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Hit Summary Sheet
SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1582-10DL	RE114D1-20250313	Water	1,1,2-Trichlorotrifluoroethane	25.7	D	2.50	5.00	10.0	ug/L
Q1582-10DL	RE114D1-20250313	Water	Trichloroethene	370	D	0.93	7.50	10.0	ug/L
			Total Voc :	396					
			Total Concentration:	396					
Client ID:	**BPOW1-7-20250314**								
Q1582-11	BPOW1-7-2025031	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.20					
			Total Concentration:	2.20					
Client ID:	**BPOW1-8-20250314**								
Q1582-12	BPOW1-8-2025031	Water	Acetone	1.60	J	1.50	3.80	5.00	ug/L
Q1582-12	BPOW1-8-2025031	Water	Trichloroethene	0.51	J	0.090	0.75	1.00	ug/L
			Total Voc :	2.11					
			Total Concentration:	2.11					
Client ID:	**TT191D1-20250314**								
Q1582-13	TT191D1-2025031	Water	Dichlorodifluoromethane	1.20		0.22	0.50	1.00	ug/L
Q1582-13	TT191D1-2025031	Water	1,1,2-Trichlorotrifluoroethane	3.00		0.25	0.50	1.00	ug/L
Q1582-13	TT191D1-2025031	Water	1,1-Dichloroethene	0.90	J	0.23	0.75	1.00	ug/L
Q1582-13	TT191D1-2025031	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q1582-13	TT191D1-2025031	Water	Trichloroethene	13.1		0.090	0.75	1.00	ug/L
			Total Voc :	20.4					
			Total Concentration:	20.4					
Client ID:	**TT191D2-20250314**								
Q1582-14	TT191D2-2025031	Water	1,1,2-Trichlorotrifluoroethane	4.80		0.25	0.50	1.00	ug/L
Q1582-14	TT191D2-2025031	Water	1,1-Dichloroethene	0.98	J	0.23	0.75	1.00	ug/L
Q1582-14	TT191D2-2025031	Water	Acetone	2.30	J	1.50	3.80	5.00	ug/L
Q1582-14	TT191D2-2025031	Water	Trichloroethene	80.7		0.090	0.75	1.00	ug/L
			Total Voc :	88.8					
			Total Concentration:	88.8					
Client ID:	**DUP06-20250314**								
Q1582-15	DUP06-20250314	Water	Acetone	1.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					

QC SUMMARY

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

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1582-01	RE117D1-20250313	1,2-Dichloroethane-d4	50	58.1	116	81	118
		Dibromofluoromethane	50	53.8	108	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q1582-02	TT180D1-20250313	1,2-Dichloroethane-d4	50	56.3	113	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	51.1	102	89	112
		4-Bromofluorobenzene	50	55.2	110	85	114
Q1582-02DL	TT180D1-20250313DL	1,2-Dichloroethane-d4	50	56.2	112	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	48.6	97	85	114
Q1582-03	TT180D2-20250313	1,2-Dichloroethane-d4	50	57.8	116	81	118
		Dibromofluoromethane	50	54.0	108	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
Q1582-03DL	TT180D2-20250313DL	1,2-Dichloroethane-d4	50	57.4	115	81	118
		Dibromofluoromethane	50	53.5	107	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	51.8	104	85	114
Q1582-04	TT180D-20250313	1,2-Dichloroethane-d4	50	57.7	115	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
Q1582-05	FB02-20250313	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	53.1	106	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	51.5	103	85	114
Q1582-06	RE131D1-20250313	1,2-Dichloroethane-d4	50	56.3	113	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
Q1582-06DL	RE131D1-20250313DL	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	53.8	108	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114
Q1582-07	RE131D2-20250313	1,2-Dichloroethane-d4	50	57.8	116	81	118
		Dibromofluoromethane	50	53.2	106	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q1582-07DL	RE131D2-20250313DL	1,2-Dichloroethane-d4	50	56.5	113	81	118
		Dibromofluoromethane	50	51.8	103	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	53.4	107	85	114
Q1582-08	RE131D3-20250313	1,2-Dichloroethane-d4	50	57.9	116	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	55.2	110	85	114
Q1582-08DL	RE131D3-20250313DL	1,2-Dichloroethane-d4	50	55.6	111	81	118
		Dibromofluoromethane	50	51.7	103	80	119

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Surrogate Summary

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1582-08DL	RE131D3-20250313DL	Toluene-d8	50	50.2	100	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114
Q1582-09	TT119S1-20250313	1,2-Dichloroethane-d4	50	55.3	111	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
Q1582-10	RE114D1-20250313	1,2-Dichloroethane-d4	50	57.4	115	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	49.1	98	85	114
Q1582-10DL	RE114D1-20250313DL	1,2-Dichloroethane-d4	50	56.0	112	81	118
		Dibromofluoromethane	50	52.4	105	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q1582-11	BPOW1-7-20250314	1,2-Dichloroethane-d4	50	56.9	114	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	51.7	103	85	114
Q1582-12	BPOW1-8-20250314	1,2-Dichloroethane-d4	50	57.5	115	81	118
		Dibromofluoromethane	50	53.1	106	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	55.2	110	85	114
Q1582-13	TT191D1-20250314	1,2-Dichloroethane-d4	50	57.0	114	81	118
		Dibromofluoromethane	50	54.6	109	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	53.1	106	85	114
Q1582-14	TT191D2-20250314	1,2-Dichloroethane-d4	50	57.2	114	81	118
		Dibromofluoromethane	50	53.2	106	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
Q1582-15	DUP06-20250314	1,2-Dichloroethane-d4	50	58.7	117	81	118
		Dibromofluoromethane	50	53.8	108	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1582-16	FB	1,2-Dichloroethane-d4	50	56.9	114	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	50.2	100	85	114
VX0320WBL01	VX0320WBL01	1,2-Dichloroethane-d4	50	57.3	115	81	118
		Dibromofluoromethane	50	53.1	106	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
VX0320WBS01	VX0320WBS01	1,2-Dichloroethane-d4	50	56.5	113	81	118
		Dibromofluoromethane	50	54.8	110	80	119
		Toluene-d8	50	53.3	107	89	112
		4-Bromofluorobenzene	50	55.7	111	85	114
VX0320WBSD0	VX0320WBSD01	1,2-Dichloroethane-d4	50	55.1	110	81	118
		Dibromofluoromethane	50	54.8	110	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114

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Surrogate Summary

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VX0321WBL01	VX0321WBL01	1,2-Dichloroethane-d4	50	56.9	114	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	56.1	112	85	114
VX0321WBS01	VX0321WBS01	1,2-Dichloroethane-d4	50	54.8	110	81	118
		Dibromofluoromethane	50	54.1	108	80	119
		Toluene-d8	50	51.3	102	89	112
		4-Bromofluorobenzene	50	54.7	109	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045350.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0320WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			32	152	
	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	16.5	ug/L	83			58	137	
	Bromomethane	20	19.1	ug/L	96			53	141	
	Chloroethane	20	20.4	ug/L	102			60	138	
	Trichlorofluoromethane	20	19.1	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108			70	136	
	1,1-Dichloroethene	20	18.8	ug/L	94			71	131	
	Acetone	100	100	ug/L	100			39	160	
	Carbon disulfide	20	15.2	ug/L	76			64	133	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			71	124	
	Methyl Acetate	20	26.3	ug/L	132			56	136	
	Methylene Chloride	20	19.6	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			75	124	
	1,1-Dichloroethane	20	20.0	ug/L	100			77	125	
	Cyclohexane	20	18.7	ug/L	94			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	21.1	ug/L	106			72	136	
	cis-1,2-Dichloroethene	20	19.8	ug/L	99			78	123	
	Bromochloromethane	20	18.6	ug/L	93			78	123	
	Chloroform	20	21.2	ug/L	106			79	124	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			74	131	
	Methylcyclohexane	20	19.7	ug/L	99			72	132	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	22.2	ug/L	111			73	128	
	Trichloroethene	20	19.5	ug/L	98			79	123	
	1,2-Dichloropropane	20	20.6	ug/L	103			78	122	
	Bromodichloromethane	20	21.2	ug/L	106			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.9	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	21.2	ug/L	106			75	124	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.4	ug/L	107			74	126	
	1,2-Dibromoethane	20	21.4	ug/L	107			77	121	
	Tetrachloroethene	20	20.4	ug/L	102			74	129	
	Chlorobenzene	20	20.4	ug/L	102			82	118	
	Ethyl Benzene	20	20.4	ug/L	102			79	121	
	m/p-Xylenes	40	42.2	ug/L	106			80	121	
	o-Xylene	20	20.7	ug/L	104			78	122	
	Styrene	20	20.9	ug/L	104			78	123	
	Bromoform	20	20.6	ug/L	103			66	130	
	Isopropylbenzene	20	21.7	ug/L	109			72	131	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			71	121	
	1,3-Dichlorobenzene	20	20.9	ug/L	104			80	119	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			79	118	
	1,2-Dichlorobenzene	20	21.1	ug/L	106			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045350.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0320WBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/L	109			62	128	
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100			69	130	
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045355.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0320WBSD01	Dichlorodifluoromethane	20	16.0	ug/L	80	14		32	152	20
	Chloromethane	20	14.3	ug/L	72	17		50	139	20
	Vinyl chloride	20	14.2	ug/L	71	16		58	137	20
	Bromomethane	20	17.0	ug/L	85	12		53	141	20
	Chloroethane	20	17.5	ug/L	88	15		60	138	20
	Trichlorofluoromethane	20	16.8	ug/L	84	13		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96	12		70	136	20
	1,1-Dichloroethene	20	16.6	ug/L	83	12		71	131	20
	Acetone	100	86.4	ug/L	86	15		39	160	20
	Carbon disulfide	20	13.0	ug/L	65	16		64	133	20
	Methyl tert-butyl Ether	20	17.8	ug/L	89	14		71	124	20
	Methyl Acetate	20	22.5	ug/L	113	16		56	136	20
	Methylene Chloride	20	16.8	ug/L	84	15		74	124	20
	trans-1,2-Dichloroethene	20	17.0	ug/L	85	11		75	124	20
	1,1-Dichloroethane	20	17.9	ug/L	90	11		77	125	20
	Cyclohexane	20	16.7	ug/L	84	11		71	130	20
	2-Butanone	100	90.7	ug/L	91	19		56	143	20
	Carbon Tetrachloride	20	18.9	ug/L	95	11		72	136	20
	cis-1,2-Dichloroethene	20	17.7	ug/L	89	11		78	123	20
	Bromochloromethane	20	18.3	ug/L	92	1		78	123	20
	Chloroform	20	18.8	ug/L	94	12		79	124	20
	1,1,1-Trichloroethane	20	18.4	ug/L	92	14		74	131	20
	Methylcyclohexane	20	17.9	ug/L	90	10		72	132	20
	Benzene	20	18.1	ug/L	91	10		79	120	20
	1,2-Dichloroethane	20	19.8	ug/L	99	11		73	128	20
	Trichloroethene	20	17.9	ug/L	90	9		79	123	20
	1,2-Dichloropropane	20	18.3	ug/L	92	11		78	122	20
	Bromodichloromethane	20	19.2	ug/L	96	10		79	125	20
	4-Methyl-2-Pentanone	100	93.8	ug/L	94	16		67	130	20
	Toluene	20	18.8	ug/L	94	10		80	121	20
	t-1,3-Dichloropropene	20	17.9	ug/L	90	14		73	127	20
	cis-1,3-Dichloropropene	20	18.8	ug/L	94	12		75	124	20
	1,1,2-Trichloroethane	20	18.4	ug/L	92	16		80	119	20
	2-Hexanone	100	94.7	ug/L	95	15		57	139	20
	Dibromochloromethane	20	18.6	ug/L	93	14		74	126	20
	1,2-Dibromoethane	20	18.5	ug/L	93	14		77	121	20
	Tetrachloroethene	20	18.7	ug/L	94	8		74	129	20
	Chlorobenzene	20	18.8	ug/L	94	8		82	118	20
	Ethyl Benzene	20	19.1	ug/L	96	6		79	121	20
	m/p-Xylenes	40	38.5	ug/L	96	10		80	121	20
	o-Xylene	20	19.3	ug/L	97	7		78	122	20
	Styrene	20	19.0	ug/L	95	9		78	123	20
	Bromoform	20	18.2	ug/L	91	12		66	130	20
	Isopropylbenzene	20	20.2	ug/L	101	8		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96	11		71	121	20
	1,3-Dichlorobenzene	20	19.2	ug/L	96	8		80	119	20
	1,4-Dichlorobenzene	20	18.8	ug/L	94	8		79	118	20
	1,2-Dichlorobenzene	20	19.2	ug/L	96	10		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045355.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0320WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	9		62	128	20
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90	11		69	130	20
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89	11		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0321WBS01	Dichlorodifluoromethane	20	17.6	ug/L	88			32	152	
	Chloromethane	20	15.3	ug/L	77			50	139	
	Vinyl chloride	20	15.4	ug/L	77			58	137	
	Bromomethane	20	18.2	ug/L	91			53	141	
	Chloroethane	20	19.3	ug/L	97			60	138	
	Trichlorofluoromethane	20	17.9	ug/L	90			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			70	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	Acetone	100	99.7	ug/L	100			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	19.2	ug/L	96			71	124	
	Methyl Acetate	20	26.0	ug/L	130			56	136	
	Methylene Chloride	20	18.8	ug/L	94			74	124	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	124	
	1,1-Dichloroethane	20	19.4	ug/L	97			77	125	
	Cyclohexane	20	18.3	ug/L	92			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.1	ug/L	101			72	136	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			78	123	
	Bromochloromethane	20	17.2	ug/L	86			78	123	
	Chloroform	20	20.2	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	19.1	ug/L	96			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	21.6	ug/L	108			73	128	
	Trichloroethene	20	18.7	ug/L	94			79	123	
	1,2-Dichloropropane	20	19.2	ug/L	96			78	122	
	Bromodichloromethane	20	20.7	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.8	ug/L	99			80	121	
	t-1,3-Dichloropropene	20	20.1	ug/L	101			73	127	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.0	ug/L	105			74	126	
	1,2-Dibromoethane	20	20.0	ug/L	100			77	121	
	Tetrachloroethene	20	19.7	ug/L	99			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	19.9	ug/L	100			79	121	
	m/p-Xylenes	40	40.0	ug/L	100			80	121	
	o-Xylene	20	19.8	ug/L	99			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.1	ug/L	101			66	130	
	Isopropylbenzene	20	20.4	ug/L	102			72	131	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			71	121	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	19.3	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.: Q1582

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0321WBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100			62	128	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			69	130	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0320WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045349.D Lab Sample ID: VX0320WBL01

Date Analyzed: 03/20/2025 Time Analyzed: 10:29

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
VX0320WBS01	VX0320WBS01	VX045350.D	03/20/2025
VX0320WBSD01	VX0320WBSD01	VX045355.D	03/20/2025
FB	Q1582-16	VX045360.D	03/20/2025
TT180D1-20250313	Q1582-02	VX045363.D	03/20/2025
TT180D2-20250313	Q1582-03	VX045364.D	03/20/2025
RE131D1-20250313	Q1582-06	VX045366.D	03/20/2025
RE131D2-20250313	Q1582-07	VX045367.D	03/20/2025
RE131D3-20250313	Q1582-08	VX045368.D	03/20/2025
RE114D1-20250313	Q1582-10	VX045370.D	03/20/2025
BPOW1-8-20250314	Q1582-12	VX045372.D	03/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0321WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045377.D Lab Sample ID: VX0321WBL01

Date Analyzed: 03/21/2025 Time Analyzed: 10:52

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
VX0321WBS01	VX0321WBS01	VX045378.D	03/21/2025
TT180D1-20250313DL	Q1582-02DL	VX045380.D	03/21/2025
RE131D1-20250313DL	Q1582-06DL	VX045381.D	03/21/2025
RE131D2-20250313DL	Q1582-07DL	VX045382.D	03/21/2025
TT180D2-20250313DL	Q1582-03DL	VX045383.D	03/21/2025
RE114D1-20250313DL	Q1582-10DL	VX045384.D	03/21/2025
RE131D3-20250313DL	Q1582-08DL	VX045385.D	03/21/2025
TT180D-20250313	Q1582-04	VX045386.D	03/21/2025
FB02-20250313	Q1582-05	VX045387.D	03/21/2025
TT119S1-20250313	Q1582-09	VX045388.D	03/21/2025
BPOW1-7-20250314	Q1582-11	VX045389.D	03/21/2025
RE117D1-20250313	Q1582-01	VX045390.D	03/21/2025
TT191D1-20250314	Q1582-13	VX045391.D	03/21/2025
TT191D2-20250314	Q1582-14	VX045392.D	03/21/2025
DUP06-20250314	Q1582-15	VX045393.D	03/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045067.D BFB Injection Date: 02/28/2025

Instrument ID: MSVOA_X BFB Injection Time: 01:03

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	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX045068.D	02/28/2025	01:27
VSTDICC005	VSTDICC005	VX045069.D	02/28/2025	02:13
VSTDICC020	VSTDICC020	VX045070.D	02/28/2025	02:37
VSTDICCC050	VSTDICCC050	VX045071.D	02/28/2025	03:00
VSTDICC100	VSTDICC100	VX045072.D	02/28/2025	03:23
VSTDICC150	VSTDICC150	VX045073.D	02/28/2025	03:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045346.D BFB Injection Date: 03/20/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:09

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	23
75	30.0 - 60.0% of mass 95	57.1
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 (1.2) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.6 (7.7) 1
176	95.0 - 101.0% of mass 174	68.9 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045347.D	03/20/2025	09:38
VX0320WBL01	VX0320WBL01	VX045349.D	03/20/2025	10:29
VX0320WBS01	VX0320WBS01	VX045350.D	03/20/2025	10:53
VX0320WBSD01	VX0320WBSD01	VX045355.D	03/20/2025	12:53
FB	Q1582-16	VX045360.D	03/20/2025	14:50
TT180D1-20250313	Q1582-02	VX045363.D	03/20/2025	15:59
TT180D2-20250313	Q1582-03	VX045364.D	03/20/2025	16:22
RE131D1-20250313	Q1582-06	VX045366.D	03/20/2025	17:09
RE131D2-20250313	Q1582-07	VX045367.D	03/20/2025	17:32
RE131D3-20250313	Q1582-08	VX045368.D	03/20/2025	17:55
RE114D1-20250313	Q1582-10	VX045370.D	03/20/2025	18:42
BPOW1-8-20250314	Q1582-12	VX045372.D	03/20/2025	19:28
VSTDCCC050EC	VSTDCCC050	VX045373.D	03/20/2025	19:51

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045374.D BFB Injection Date: 03/21/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:29

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	22.7
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (98) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045375.D	03/21/2025	10:00
VX0321WBL01	VX0321WBL01	VX045377.D	03/21/2025	10:52
VX0321WBS01	VX0321WBS01	VX045378.D	03/21/2025	11:15
TT180D1-20250313DL	Q1582-02DL	VX045380.D	03/21/2025	12:08
RE131D1-20250313DL	Q1582-06DL	VX045381.D	03/21/2025	12:31
RE131D2-20250313DL	Q1582-07DL	VX045382.D	03/21/2025	12:54
TT180D2-20250313DL	Q1582-03DL	VX045383.D	03/21/2025	13:18
RE114D1-20250313DL	Q1582-10DL	VX045384.D	03/21/2025	13:41
RE131D3-20250313DL	Q1582-08DL	VX045385.D	03/21/2025	14:04
TT180D-20250313	Q1582-04	VX045386.D	03/21/2025	14:28
FB02-20250313	Q1582-05	VX045387.D	03/21/2025	14:51
TT119S1-20250313	Q1582-09	VX045388.D	03/21/2025	15:14
BPOW1-7-20250314	Q1582-11	VX045389.D	03/21/2025	15:38
RE117D1-20250313	Q1582-01	VX045390.D	03/21/2025	16:01
TT191D1-20250314	Q1582-13	VX045391.D	03/21/2025	16:25
TT191D2-20250314	Q1582-14	VX045392.D	03/21/2025	16:48
DUP06-20250314	Q1582-15	VX045393.D	03/21/2025	17:11
VSTDCCC050EC	VSTDCCC050	VX045401.D	03/21/2025	20:41

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045347.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:38

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	94097	5.54	160941	6.75	139446	10.05
UPPER LIMIT	188194	6.044	321882	7.251	278892	10.549
LOWER LIMIT	47048.5	5.044	80470.5	6.251	69723	9.549
EPA SAMPLE NO.						
TT180D1-20250313	75815	5.55	147733	6.76	134626	10.05
TT180D2-20250313	71131	5.54	139371	6.76	128166	10.05
RE131D1-20250313	64486	5.54	126806	6.76	110827	10.05
RE131D2-20250313	69745	5.55	137359	6.76	123326	10.05
RE131D3-20250313	62724	5.54	124749	6.76	117366	10.05
RE114D1-20250313	66961	5.54	131652	6.76	116452	10.05
BPOW1-8-20250314	67107	5.54	132119	6.76	125597	10.05
FB	66480	5.55	132547	6.76	119115	10.06
VX0320WBL01	67796	5.54	133500	6.76	121748	10.05
VX0320WBS01	94337	5.55	168482	6.76	149499	10.06
VX0320WBSD01	103163	5.54	181737	6.76	154271	10.05

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

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

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

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045347.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:38

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

	IS4 AREA #	RT #				
12 HOUR STD	64140	12.018				
UPPER LIMIT	128280	12.518				
LOWER LIMIT	32070	11.518				
EPA SAMPLE NO.						
TT180D1-20250313	58076	12.02				
TT180D2-20250313	53957	12.02				
RE131D1-20250313	42757	12.02				
RE131D2-20250313	47211	12.02				
RE131D3-20250313	48478	12.02				
RE114D1-20250313	40317	12.02				
BPOW1-8-20250314	51214	12.02				
FB	44156	12.02				
VX0320WBL01	47437	12.02				
VX0320WBS01	65210	12.02				
VX0320WBSD01	66247	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045375.D Date Analyzed: 03/21/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92791	5.54	160605	6.75	137508	10.05
UPPER LIMIT	185582	6.043	321210	7.25	275016	10.549
LOWER LIMIT	46395.5	5.043	80302.5	6.25	68754	9.549
EPA SAMPLE NO.						
RE117D1-20250313	63852	5.55	125973	6.76	116271	10.05
TT180D1-20250313DL	65215	5.54	127269	6.76	114057	10.05
TT180D2-20250313DL	67762	5.54	132441	6.76	123000	10.06
TT180D-20250313	70002	5.55	139085	6.76	124948	10.06
FB02-20250313	68479	5.55	130752	6.76	122006	10.06
RE131D1-20250313DL	70298	5.55	138928	6.76	125925	10.06
RE131D2-20250313DL	66532	5.55	130418	6.76	120413	10.06
RE131D3-20250313DL	66174	5.55	129977	6.76	120263	10.05
TT119S1-20250313	66994	5.55	129665	6.76	114806	10.06
RE114D1-20250313DL	63633	5.54	122958	6.76	113115	10.06
BPOW1-7-20250314	67762	5.55	132174	6.76	120805	10.06
TT191D1-20250314	69371	5.55	133271	6.76	121816	10.05
TT191D2-20250314	68899	5.54	133744	6.76	124586	10.05
DUP06-20250314	64262	5.54	125895	6.76	116324	10.06
VX0321WBL01	67403	5.54	133286	6.76	125274	10.05
VX0321WBS01	96755	5.54	172413	6.76	151575	10.05

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045375.D Date Analyzed: 03/21/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92791	5.54	160605	6.75	137508	10.05
UPPER LIMIT	185582	6.043	321210	7.25	275016	10.549
LOWER LIMIT	46395.5	5.043	80302.5	6.25	68754	9.549
EPA SAMPLE NO.						

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045375.D Date Analyzed: 03/21/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	63153	12.018				
UPPER LIMIT	126306	12.518				
LOWER LIMIT	31576.5	11.518				
EPA SAMPLE NO.						
RE117D1-20250313	46151	12.02				
TT180D1-20250313DL	41111	12.02				
TT180D2-20250313DL	48525	12.02				
TT180D-20250313	48597	12.02				
FB02-20250313	47392	12.02				
RE131D1-20250313DL	52363	12.02				
RE131D2-20250313DL	50604	12.02				
RE131D3-20250313DL	48451	12.02				
TT119S1-20250313	41321	12.02				
RE114D1-20250313DL	43844	12.02				
BPOW1-7-20250314	48608	12.02				
TT191D1-20250314	46699	12.02				
TT191D2-20250314	49466	12.02				
DUP06-20250314	41891	12.02				
VX0321WBL01	52894	12.02				
VX0321WBS01	67294	12.02				

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG NO.: Q1582

Lab File ID: VX045375.D Date Analyzed: 03/21/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	63153	12.018				
UPPER LIMIT	126306	12.518				
LOWER LIMIT	31576.5	11.518				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE117D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045390.D	1		03/21/25 16:01	VX032125

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	1.80		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.10		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.60	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	1.60		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.30		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	120		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE117D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045390.D	1		03/21/25 16:01	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.1		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	63900	5.55				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	46200	12.024				

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE117D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045390.D	1		03/21/25 16:01	VX032125

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\VX032125\
Data File : VX045390.D
Acq On : 21 Mar 2025 16:01
Operator : JC/MD
Sample : Q1582-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Quant Time: Mar 21 23:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

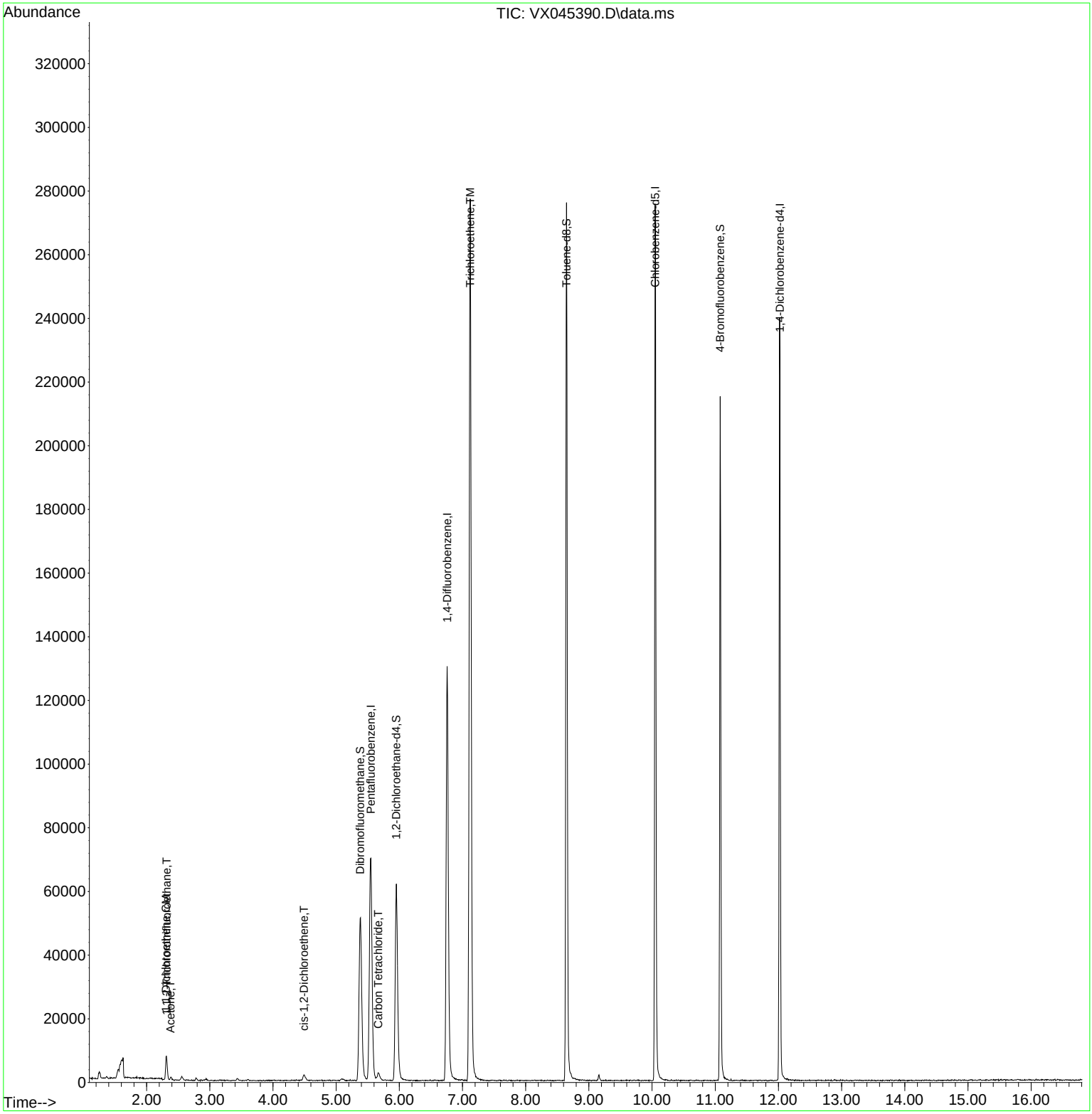
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	63852	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	125973	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	116271	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46151	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	59005	58.095	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.200%				
35) Dibromofluoromethane	5.379	113	45337	53.822	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.640%				
50) Toluene-d8	8.647	98	159070	52.089	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.180%				
62) 4-Bromofluorobenzene	11.079	95	53287	52.658	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.320%				
Target Compounds							Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1325	1.785	ug/l		92
12) 1,1-Dichloroethene	2.306	96	1639	2.089	ug/l		95
16) Acetone	2.380	43	1213	2.574	ug/l	#	77
27) cis-1,2-Dichloroethene	4.489	96	1231	1.286	ug/l		98
38) Carbon Tetrachloride	5.665	117	1874	1.598	ug/l	#	88
44) Trichloroethene	7.123	130	101748	118.789	ug/l		95

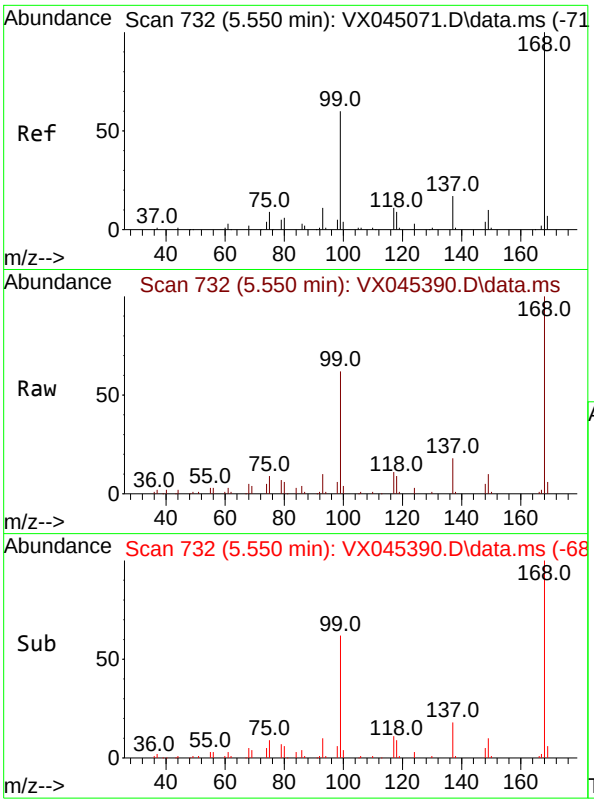
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045390.D
Acq On : 21 Mar 2025 16:01
Operator : JC/MD
Sample : Q1582-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Quant Time: Mar 21 23:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



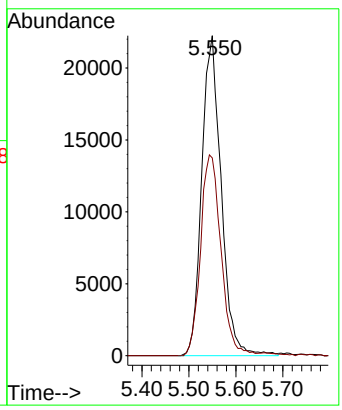


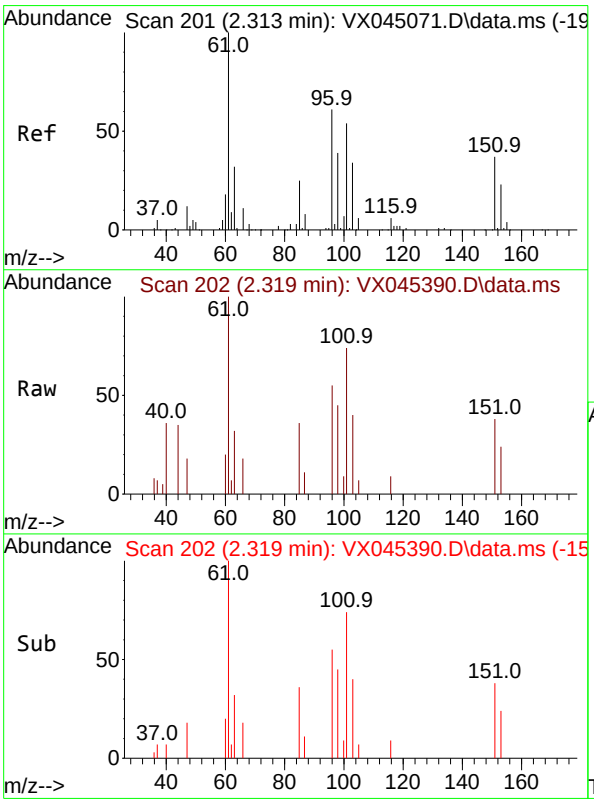
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion:168 Resp: 63852

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

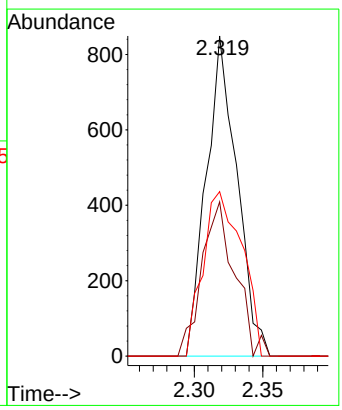


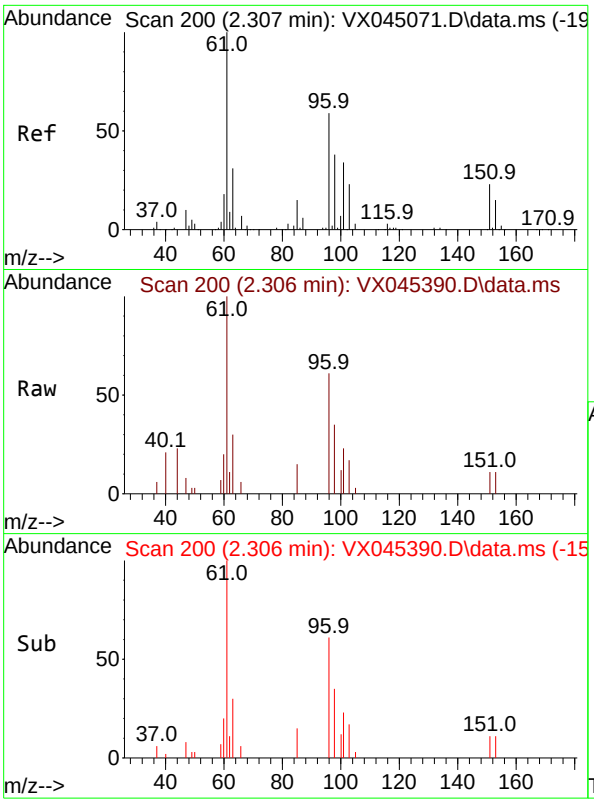


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.785 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion:101 Resp: 1325

Ion	Ratio	Lower	Upper
101	100		
85	52.0	36.2	54.4
151	65.4	56.4	84.6



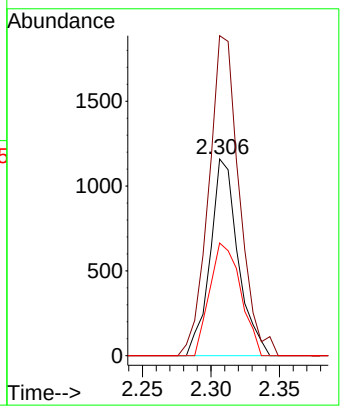


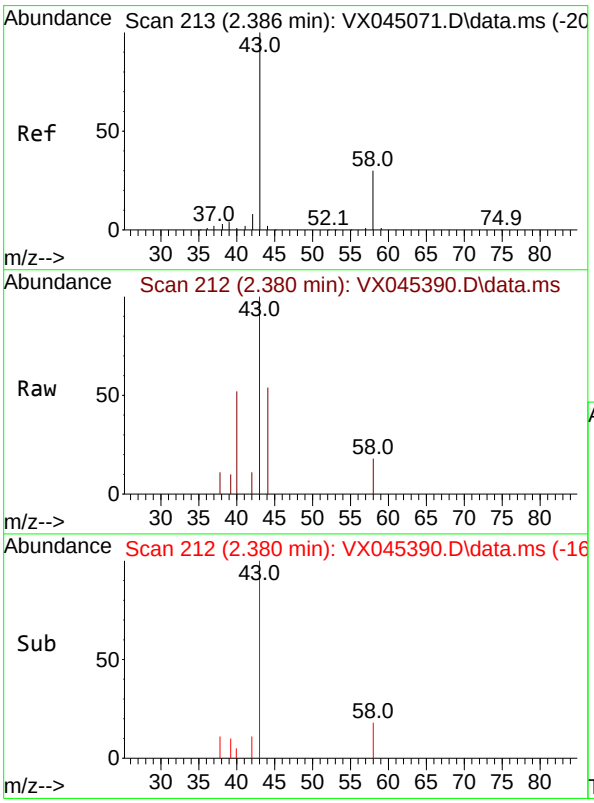
#12
1,1-Dichloroethene
Concen: 2.089 ug/l
RT: 2.306 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion: 96 Resp: 1639

Ion	Ratio	Lower	Upper
96	100		
61	162.8	134.6	202.0
98	57.3	51.0	76.6

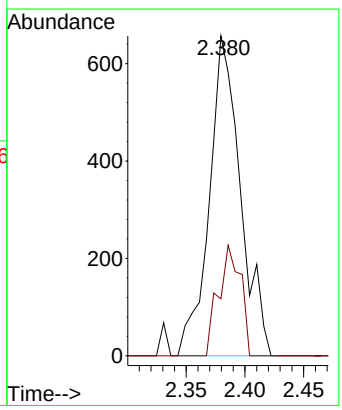


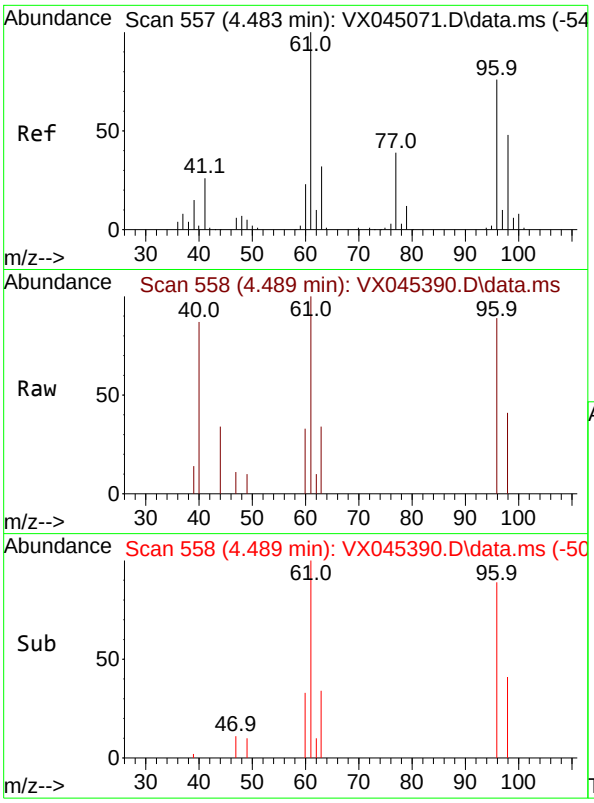


#16
Acetone
Concen: 2.574 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 43 Resp: 1213

Ion	Ratio	Lower	Upper
43	100		
58	17.8	24.2	36.4#



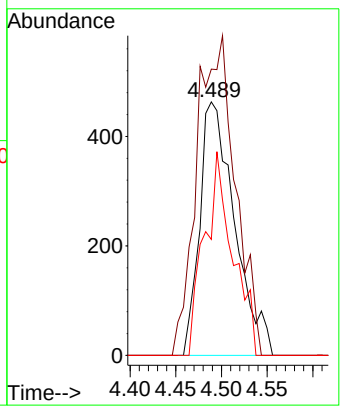


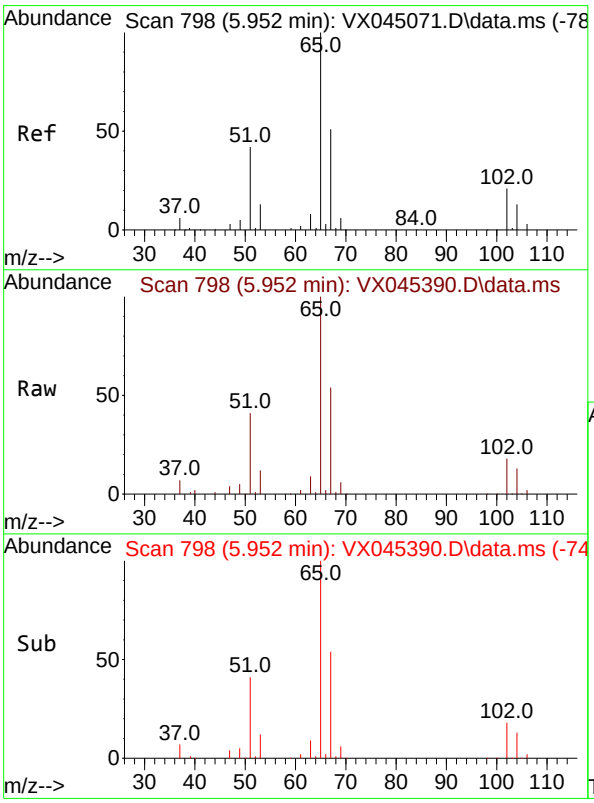
#27
cis-1,2-Dichloroethene
Concen: 1.286 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion: 96 Resp: 1231

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	283.2
98	65.0	0.0	128.0

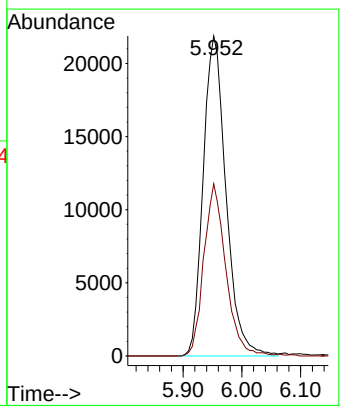


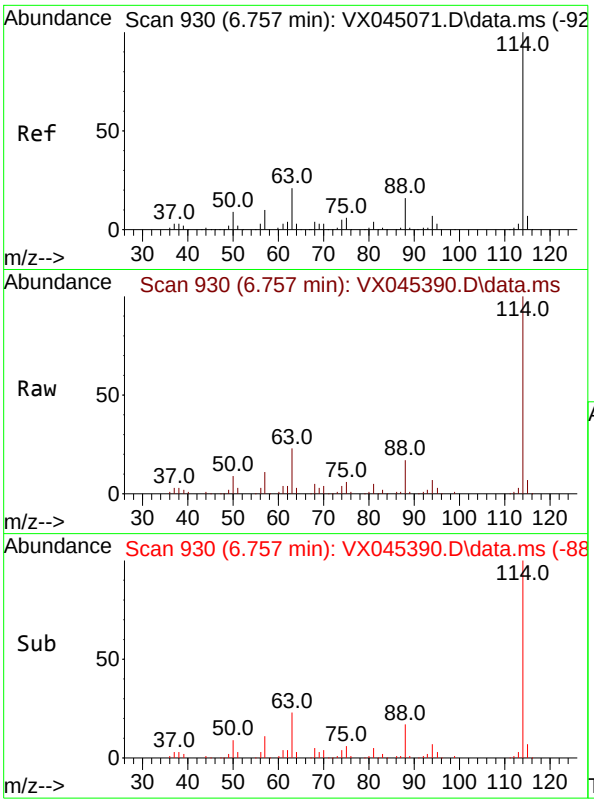


#33
1,2-Dichloroethane-d4
Concen: 58.095 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 65 Resp: 59005

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.2



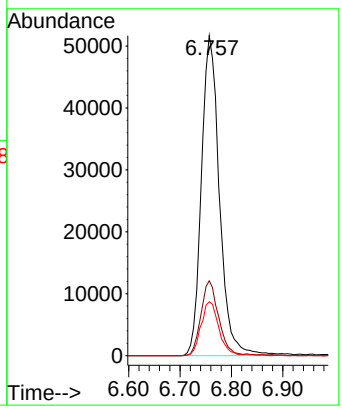


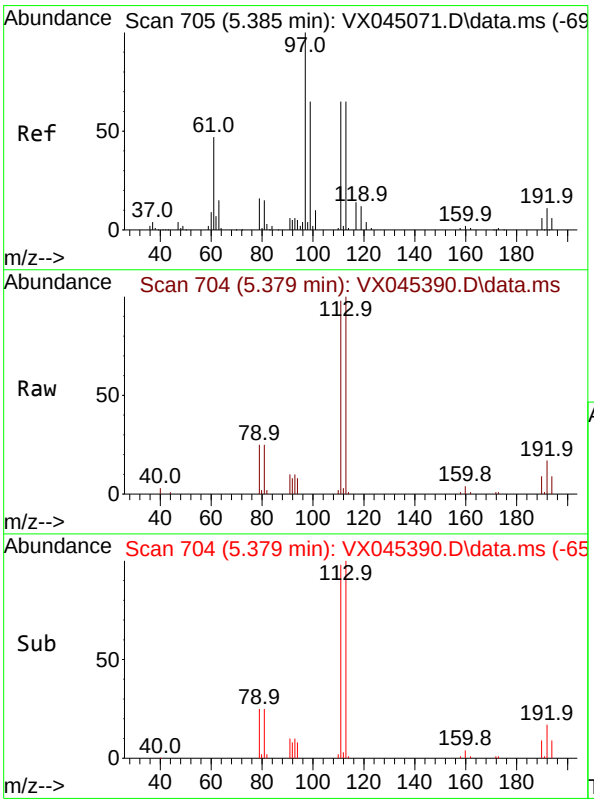
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion:114 Resp: 125973

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	16.8	0.0	32.8

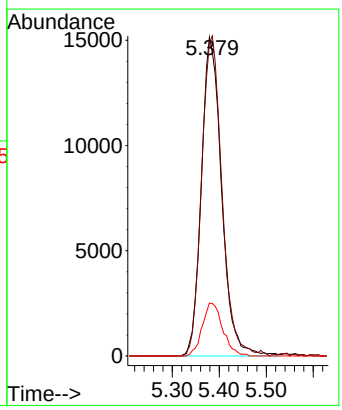


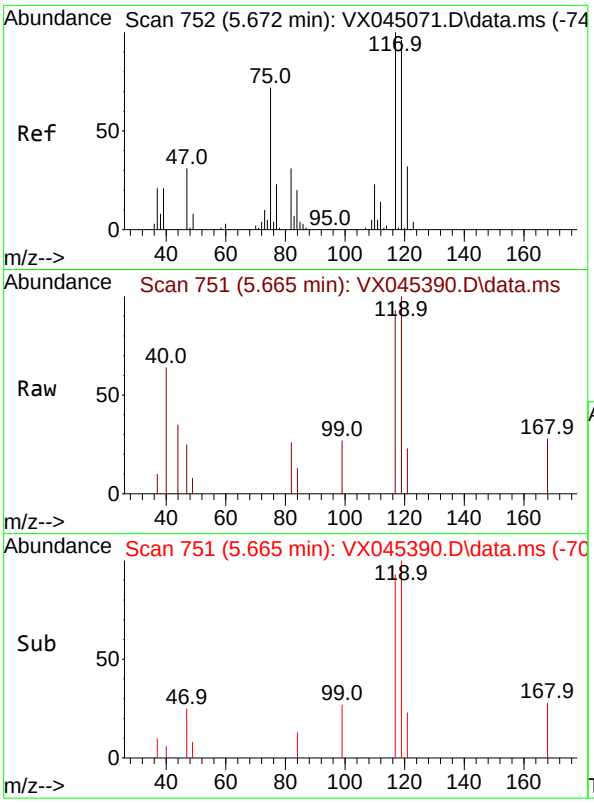


#35
Dibromofluoromethane
Concen: 53.822 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion:113 Resp: 45337

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.6
192	16.8	14.3	21.5



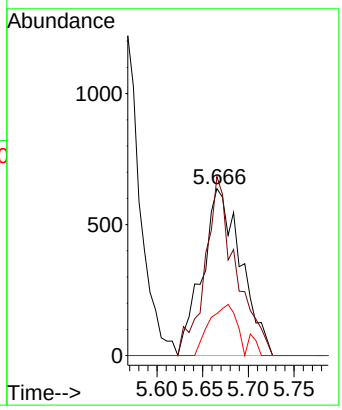


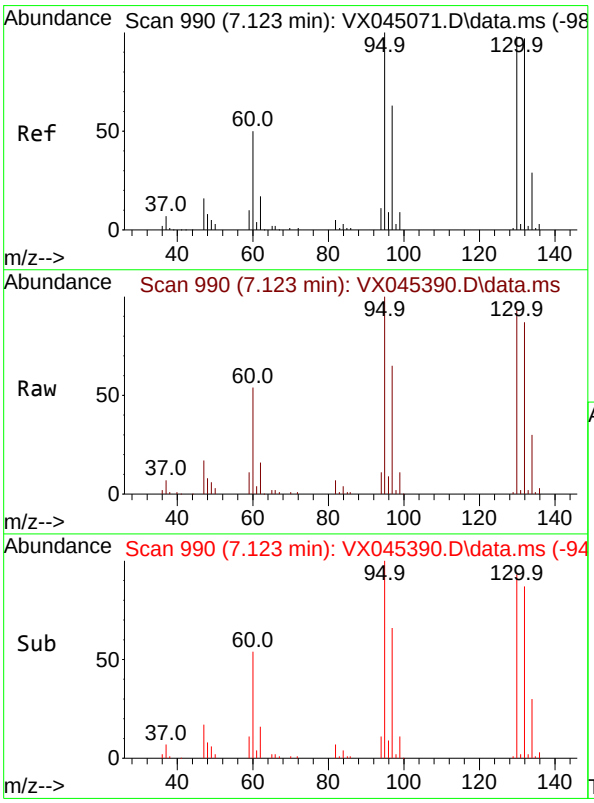
#38
Carbon Tetrachloride
Concen: 1.598 ug/l
RT: 5.665 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion:117 Resp: 1874

Ion	Ratio	Lower	Upper
117	100		
119	107.2	76.7	115.1
121	25.1	25.5	38.3#

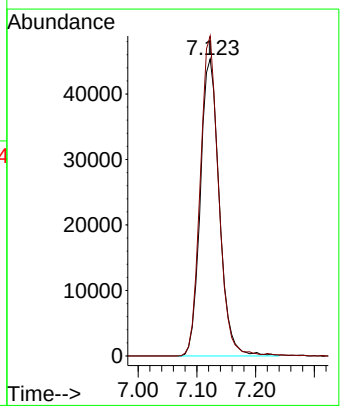


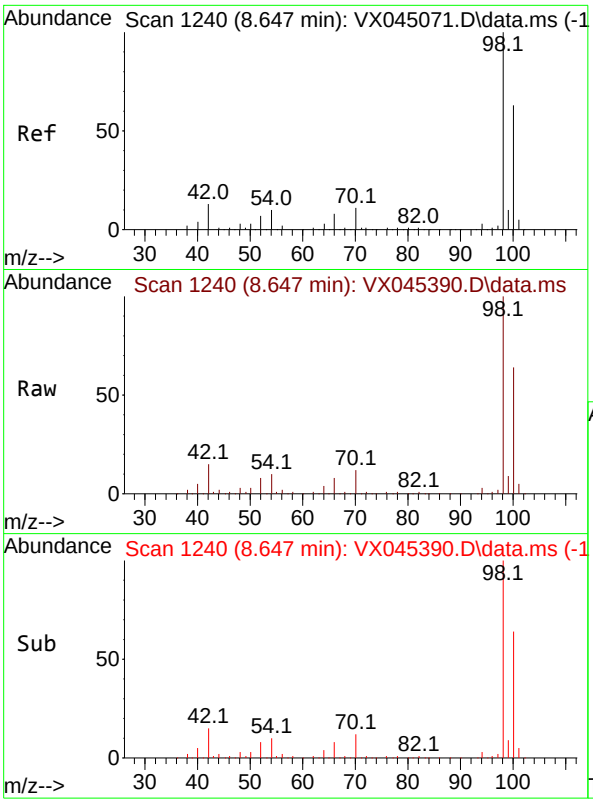


#44
Trichloroethene
Concen: 118.789 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion:130 Resp: 101748

Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	205.0



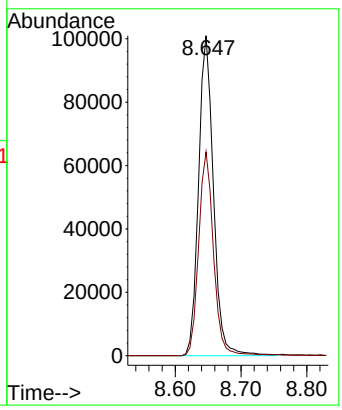


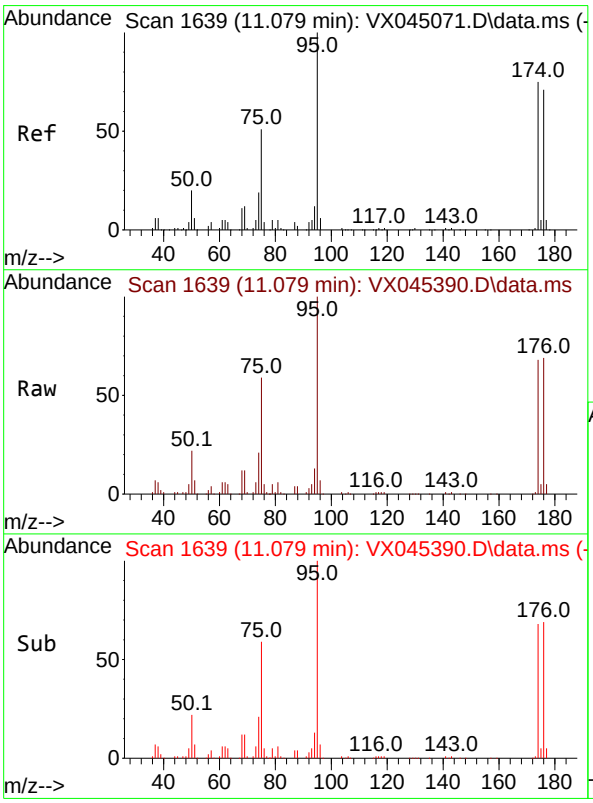
#50
Toluene-d8
Concen: 52.089 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion: 98 Resp: 159070

Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.0	78.0

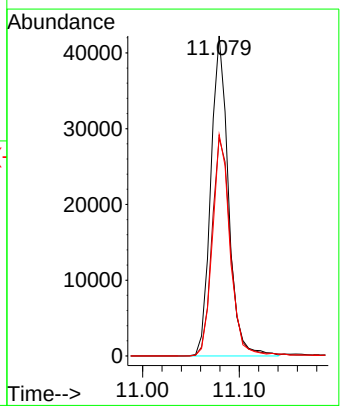


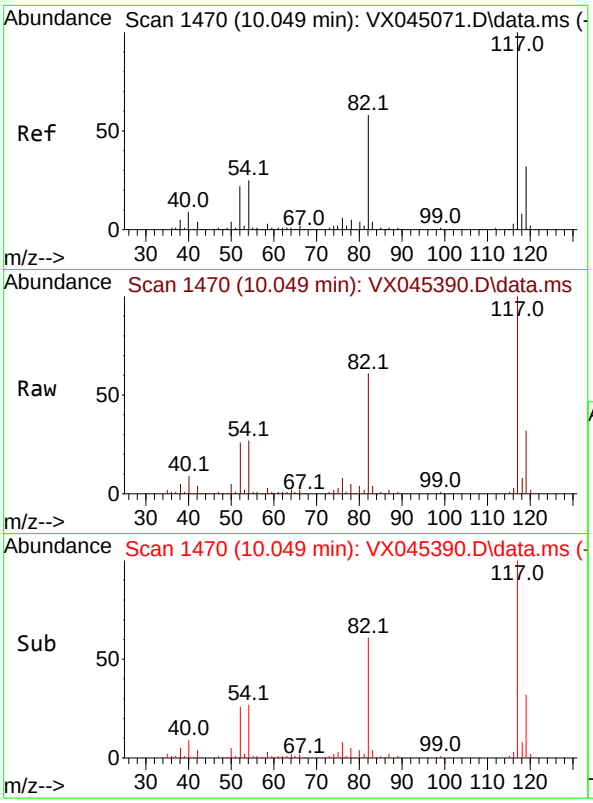


#62
4-Bromofluorobenzene
Concen: 52.658 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion: 95 Resp: 53287

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	148.2
176	69.8	0.0	141.4



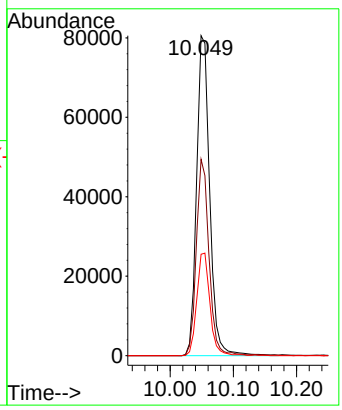


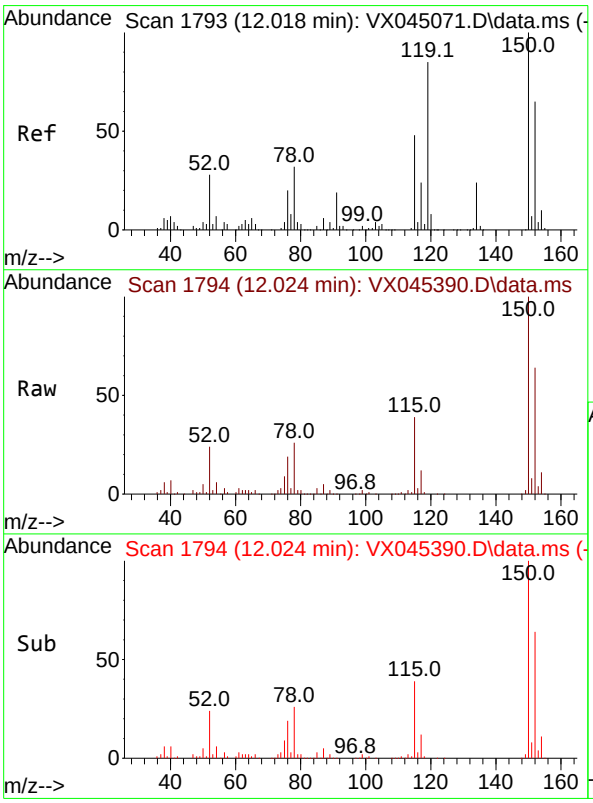
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250313

Tgt Ion:117 Resp: 116271

Ion	Ratio	Lower	Upper
117	100		
82	61.4	46.3	69.5
119	31.7	25.7	38.5

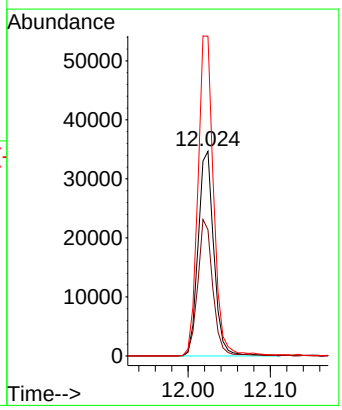




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045390.D
Acq: 21 Mar 2025 16:01

Tgt Ion:152 Resp: 46151

Ion	Ratio	Lower	Upper
152	100		
115	64.1	44.2	132.6
150	156.3	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-02	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045363.D	1		03/20/25 15:59	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		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	4.60		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.40		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.10		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	1.10		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	180	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-02	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045363.D	1		03/20/25 15:59	VX032025

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	0.80	J	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	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.1		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	75800	5.55				
540-36-3	1,4-Difluorobenzene	148000	6.757				
3114-55-4	Chlorobenzene-d5	135000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58100	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-02	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045363.D	1		03/20/25 15:59	VX032025

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\VX032025\
Data File : VX045363.D
Acq On : 20 Mar 2025 15:59
Operator : JC/MD
Sample : Q1582-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Quant Time: Mar 21 01:50:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

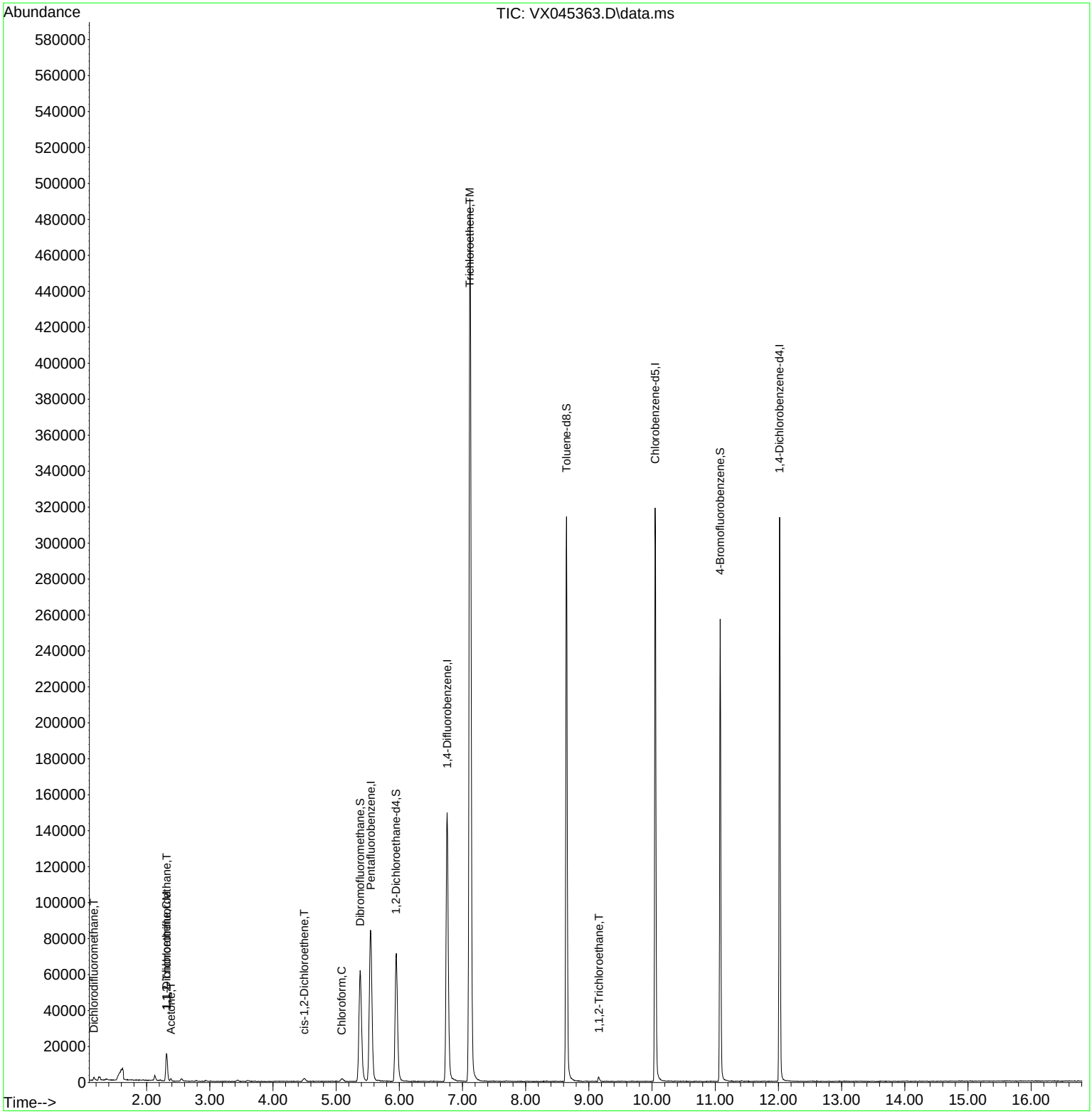
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	75815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67871	56.280	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.560%			
35) Dibromofluoromethane	5.379	113	52349	52.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.980%			
50) Toluene-d8	8.647	98	183069	51.118	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	11.079	95	65477	55.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1077	1.129	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	4026	4.569	ug/l	96
12) 1,1-Dichloroethene	2.313	96	2257	2.423	ug/l	87
16) Acetone	2.386	43	1391	2.486	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	1280	1.127	ug/l	83
30) Chloroform	5.086	83	1971	1.050	ug/l	97
44) Trichloroethene	7.117	130	183725	182.901	ug/l	100
55) 1,1,2-Trichloroethane	9.159	97	826	0.799	ug/l #	84

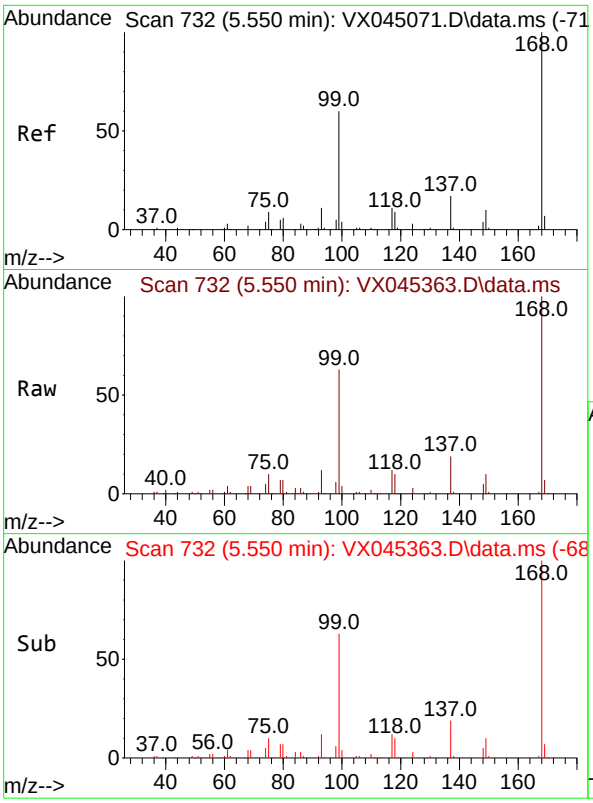
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045363.D
Acq On : 20 Mar 2025 15:59
Operator : JC/MD
Sample : Q1582-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Quant Time: Mar 21 01:50:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



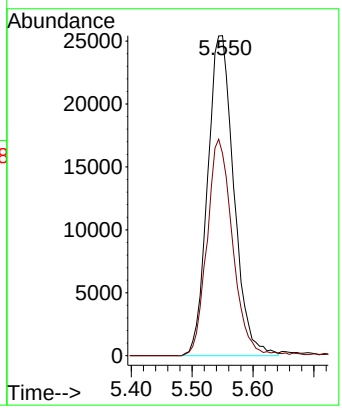


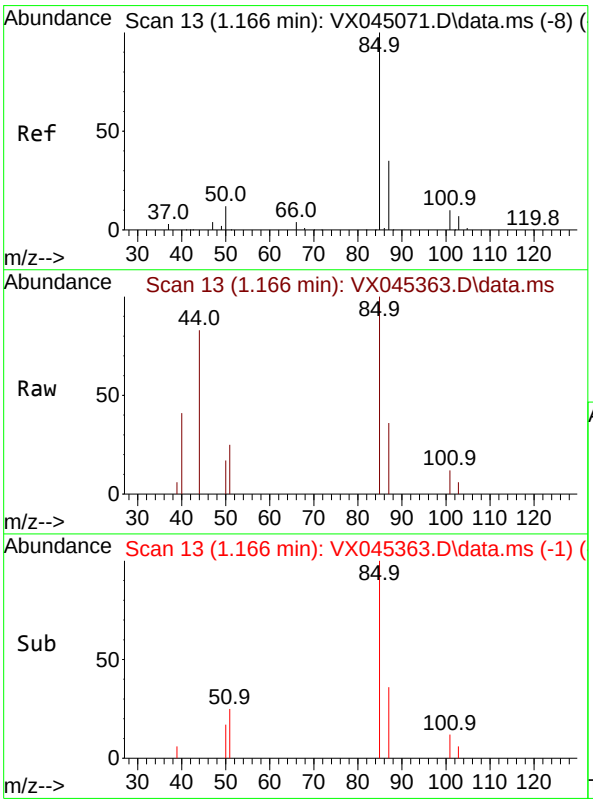
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion:168 Resp: 75815

Ion	Ratio	Lower	Upper
168	100		
99	63.2	48.2	72.4

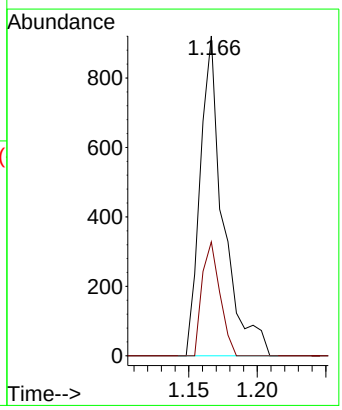


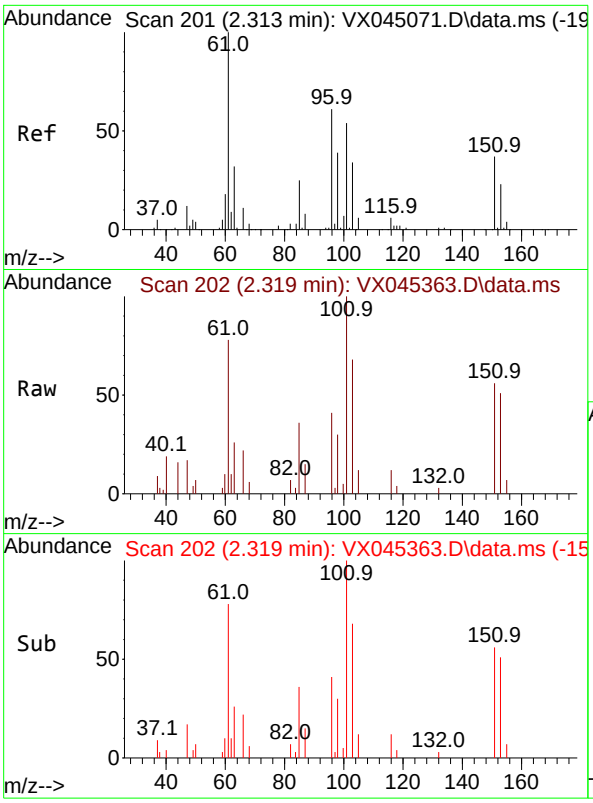


#2
Dichlorodifluoromethane
Concen: 1.129 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 85 Resp: 1077

Ion	Ratio	Lower	Upper
85	100		
87	35.6	17.4	52.3



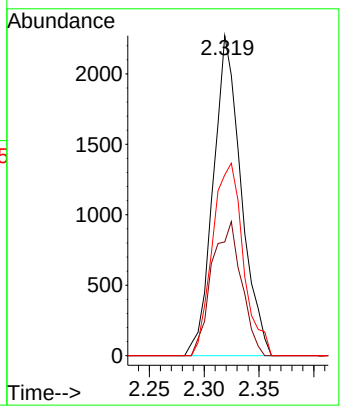


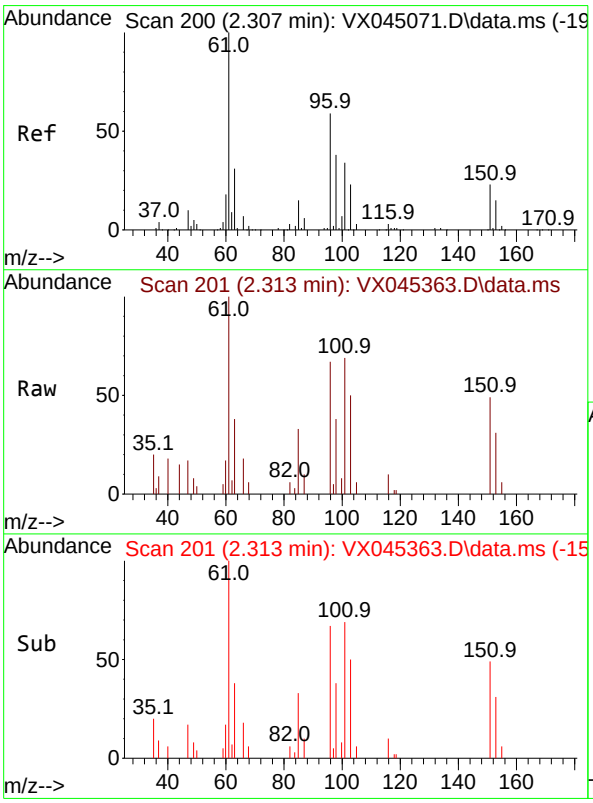
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.569 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion:101 Resp: 4026

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	66.3	56.4	84.6

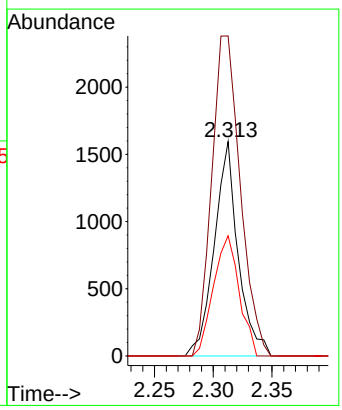


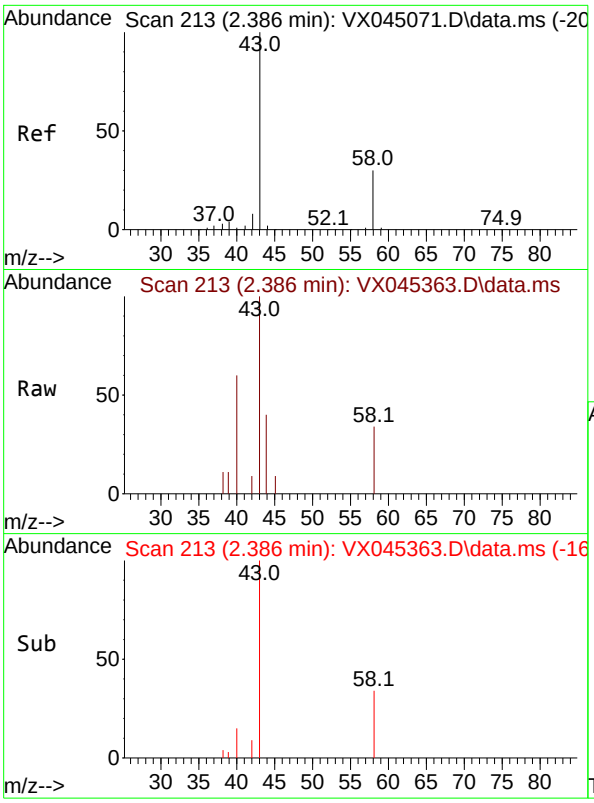


#12
1,1-Dichloroethene
Concen: 2.423 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 96 Resp: 2257

Ion	Ratio	Lower	Upper
96	100		
61	149.3	134.6	202.0
98	56.1	51.0	76.6



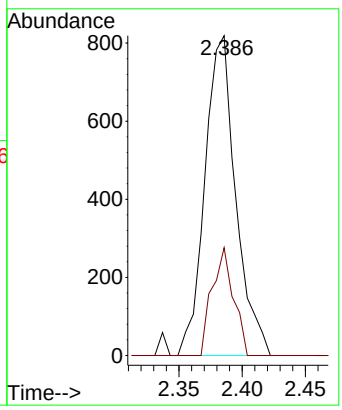


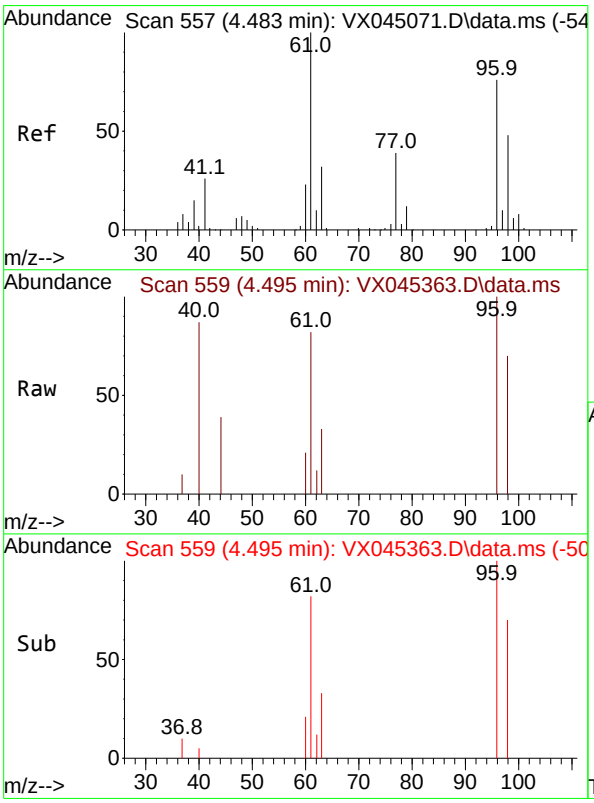
#16
Acetone
Concen: 2.486 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion: 43 Resp: 1391

Ion	Ratio	Lower	Upper
43	100		
58	33.7	24.2	36.4

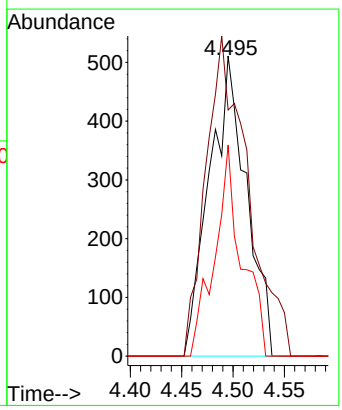


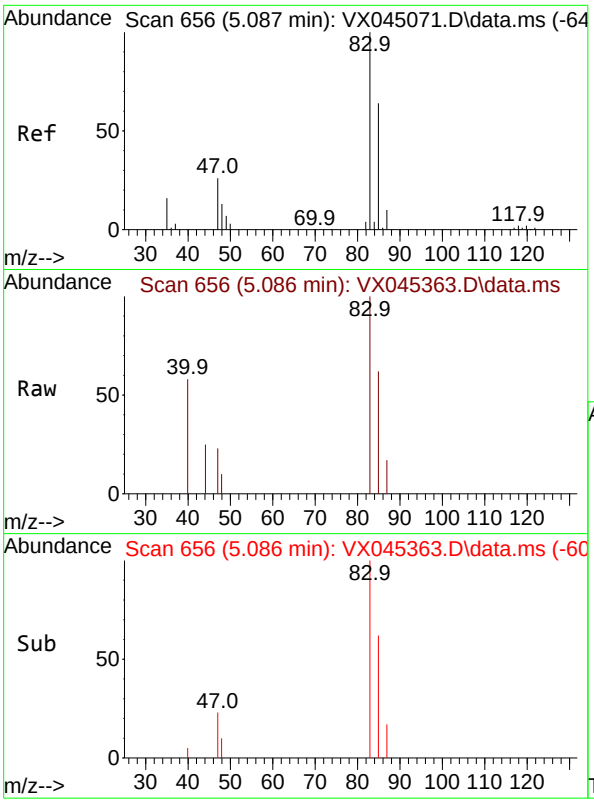


#27
cis-1,2-Dichloroethene
Concen: 1.127 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 96 Resp: 1280

Ion	Ratio	Lower	Upper
96	100		
61	120.6	0.0	283.2
98	51.8	0.0	128.0



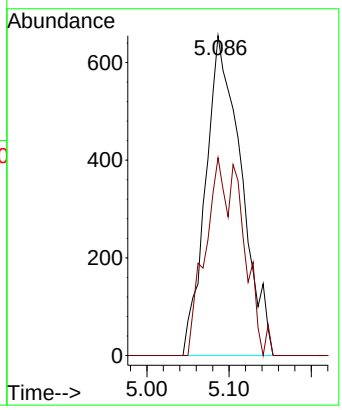


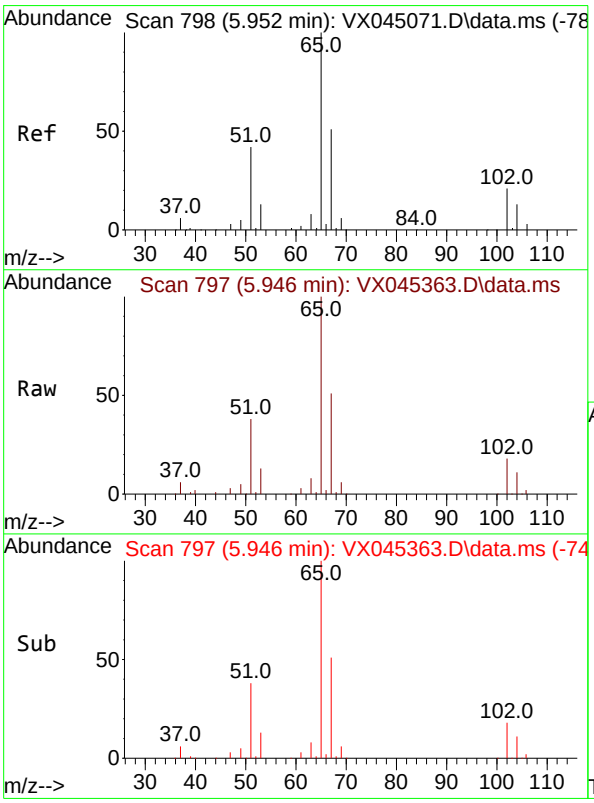
#30
Chloroform
Concen: 1.050 ug/l
RT: 5.086 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion: 83 Resp: 1971

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.4	77.2

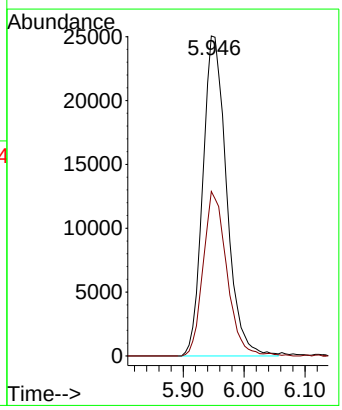


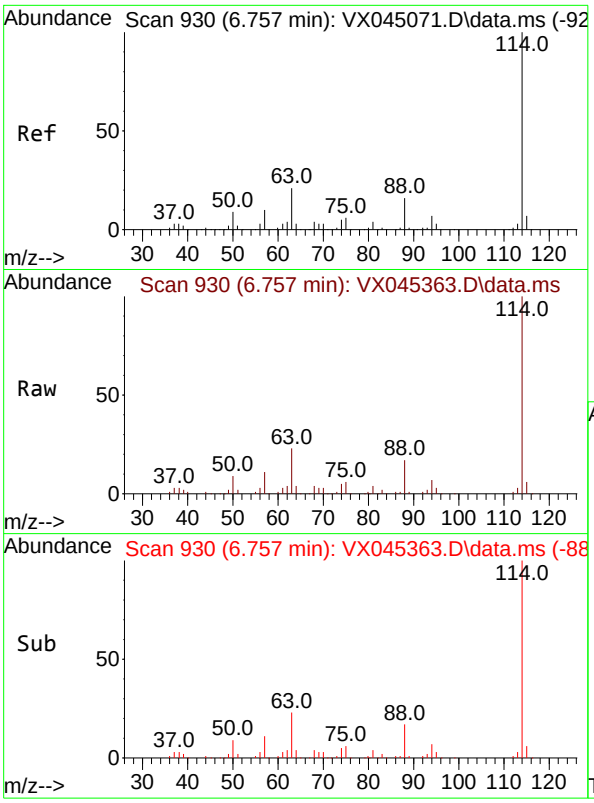


#33
1,2-Dichloroethane-d4
Concen: 56.280 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 65 Resp: 67871

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



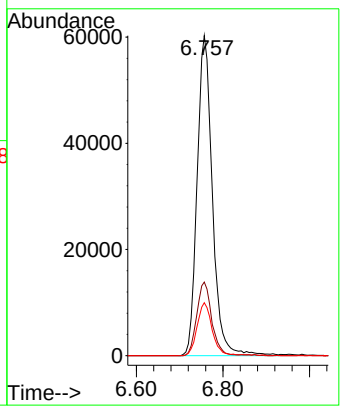


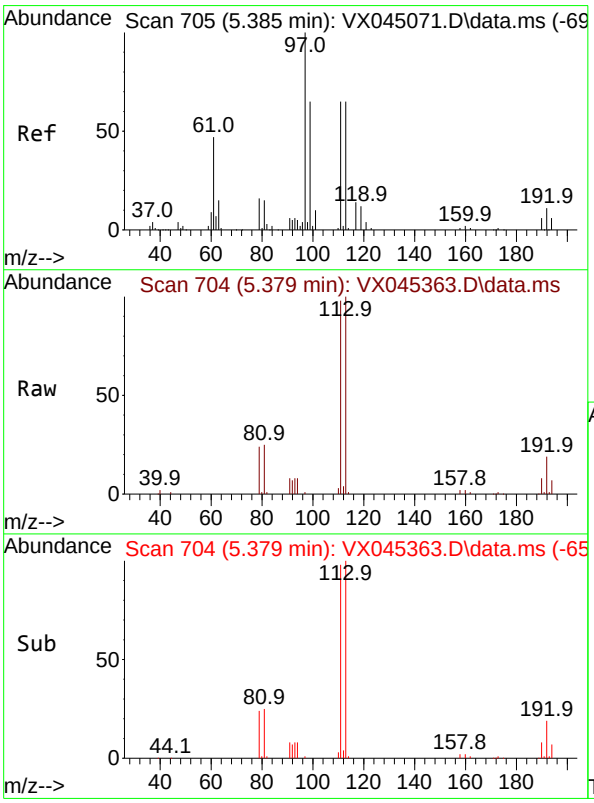
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion:114 Resp: 147733

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.6	0.0	32.8

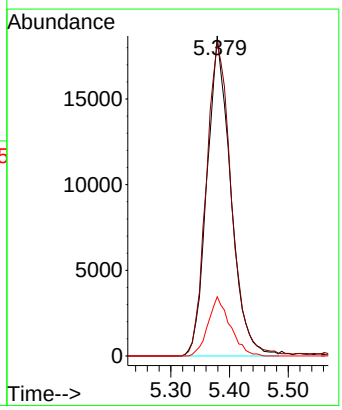


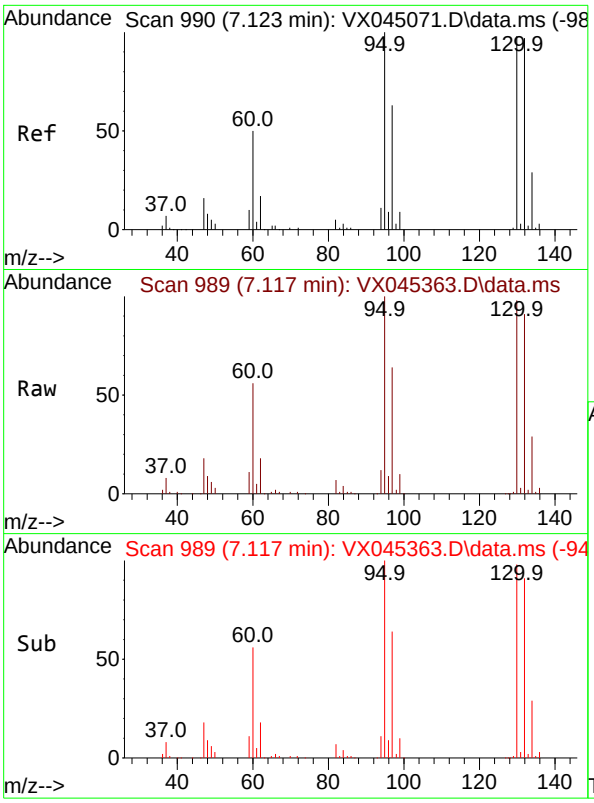


#35
Dibromofluoromethane
Concen: 52.993 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion:113 Resp: 52349

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.2	14.3	21.5



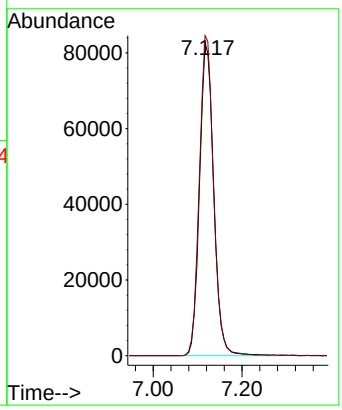


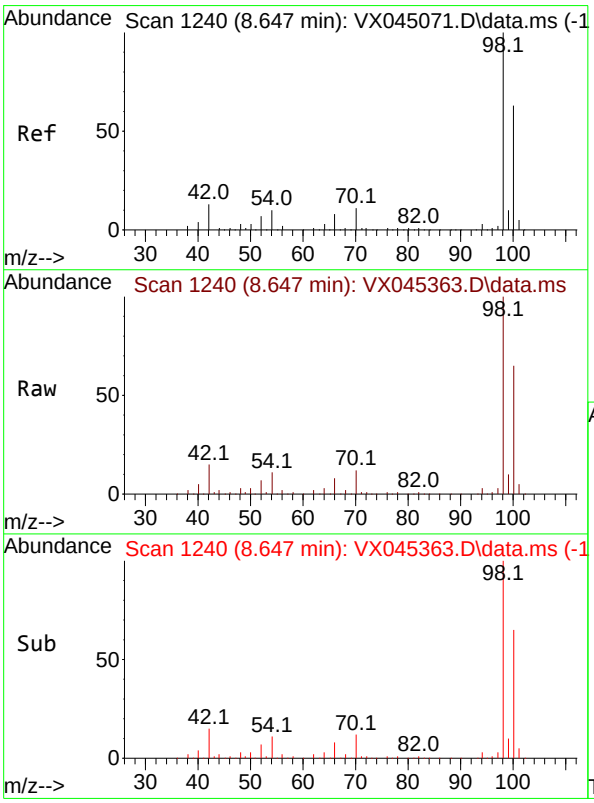
#44
Trichloroethene
Concen: 182.901 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion:130 Resp: 183725

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

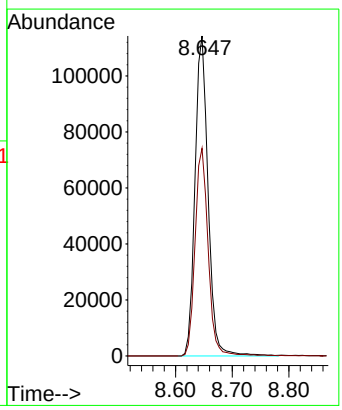


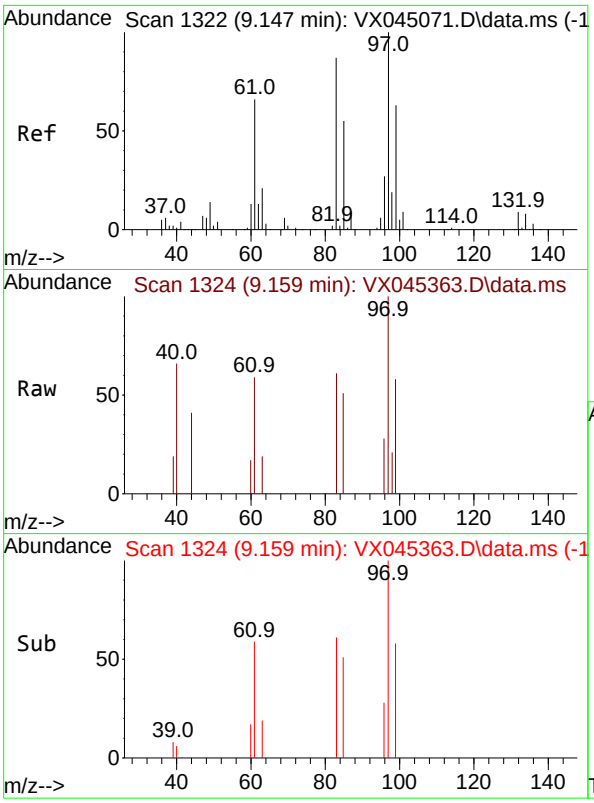


#50
Toluene-d8
Concen: 51.118 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 98 Resp: 183069

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



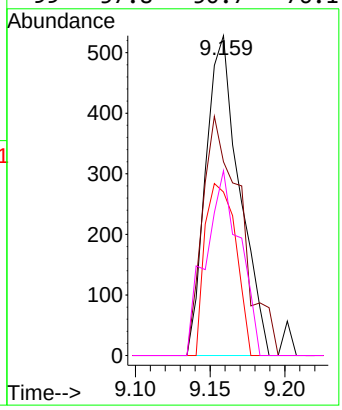


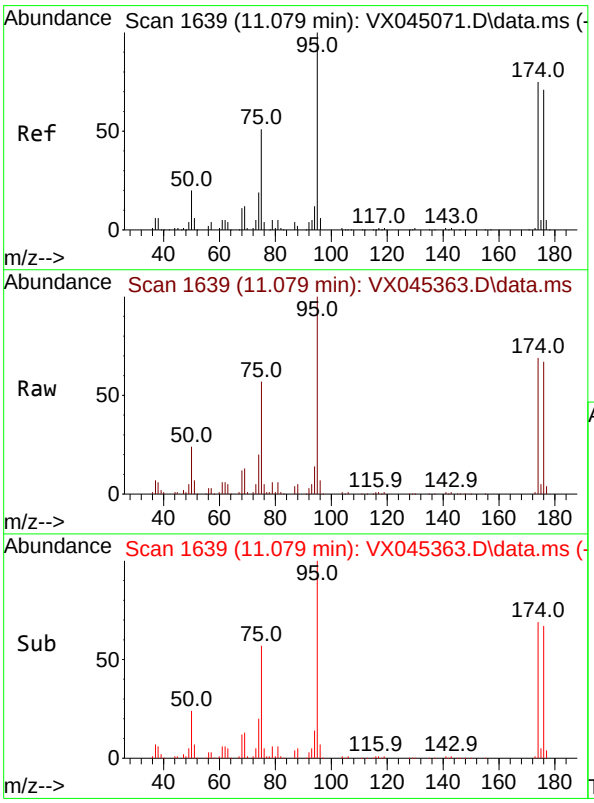
#55
1,1,2-Trichloroethane
Concen: 0.799 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion: 97 Resp: 826

Ion	Ratio	Lower	Upper
97	100		
83	60.6	69.4	104.2#
85	51.1	44.1	66.1
99	57.8	50.7	76.1

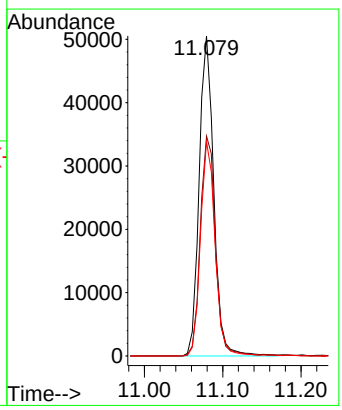


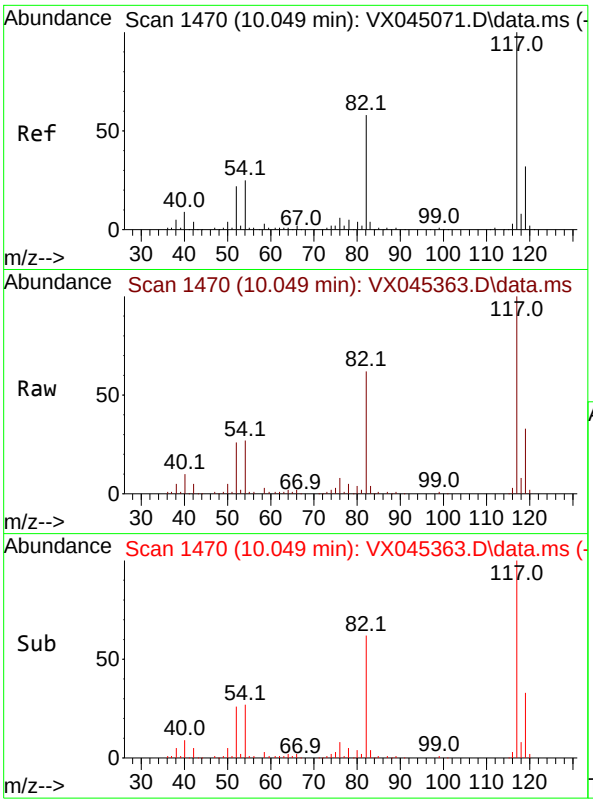


#62
4-Bromofluorobenzene
Concen: 55.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 95 Resp: 65477

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	148.2
176	66.9	0.0	141.4



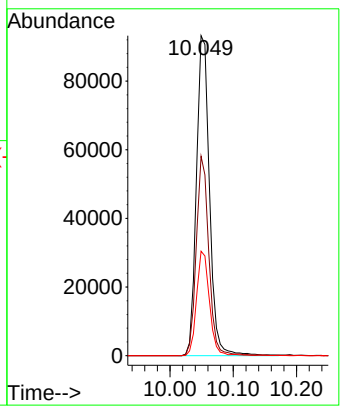


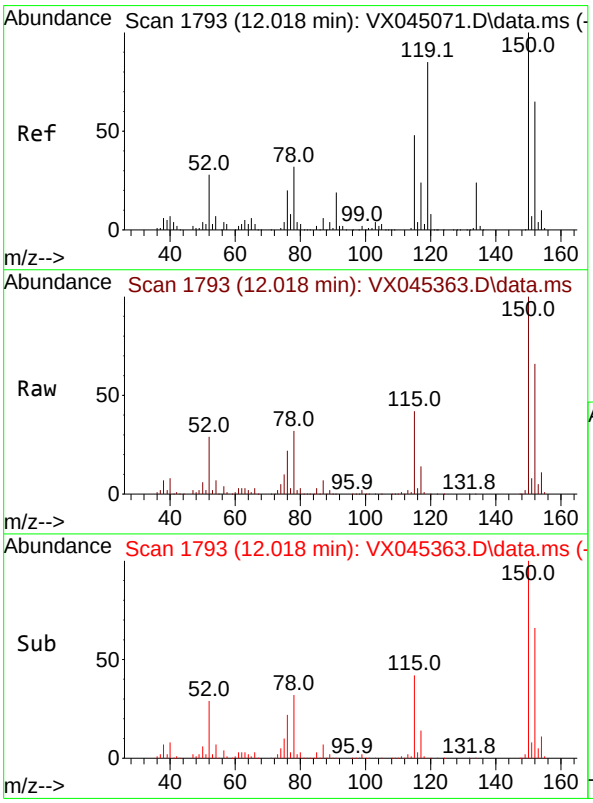
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion:117 Resp: 134626

Ion	Ratio	Lower	Upper
117	100		
82	62.3	46.3	69.5
119	32.6	25.7	38.5

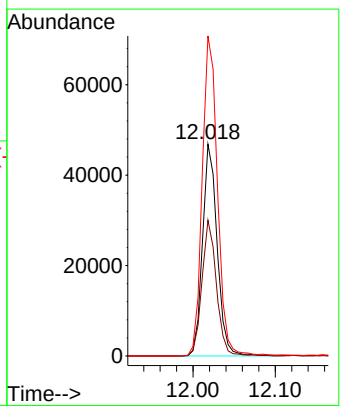




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion:152 Resp: 58076

Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.2	132.6
150	157.6	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-02DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045380.D	4		03/21/25 12:08	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.88	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.30	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.00	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.80	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	1.90	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.30	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	6.10	D	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	2.90	JD	0.92	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	6.00	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	0.84	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00	UD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UD	1.10	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.10	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	0.92	2.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	2.00	UD	0.92	2.00	4.00	ug/L
110-82-7	Cyclohexane	10.0	UD	5.80	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	3.90	10.0	20.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	UD	1.00	2.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.00	UD	0.76	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.88	2.00	4.00	ug/L
67-66-3	Chloroform	2.00	UD	1.00	2.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	0.80	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.64	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.60	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.88	2.00	4.00	ug/L
79-01-6	Trichloroethene	220	D	0.37	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.80	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.88	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	2.70	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.56	2.00	4.00	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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-02DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045380.D	4		03/21/25 12:08	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.68	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.64	2.00	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.00	UD	0.84	2.00	4.00	ug/L
591-78-6	2-Hexanone	10.0	UD	3.60	10.0	20.0	ug/L
124-48-1	Dibromochloromethane	2.00	UD	0.72	2.00	4.00	ug/L
106-93-4	1,2-Dibromoethane	2.00	UD	0.60	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	2.00	UD	0.92	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.48	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.52	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	0.96	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.48	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.60	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.76	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.48	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.00	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.64	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	2.10	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	0.80	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	0.80	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.2		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65200	5.544				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	114000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	41100	12.024				

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

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-02DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045380.D	4		03/21/25 12:08	VX032125

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\VX032125\
Data File : VX045380.D
Acq On : 21 Mar 2025 12:08
Operator : JC/MD
Sample : Q1582-02DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Quant Time: Mar 22 04:00:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

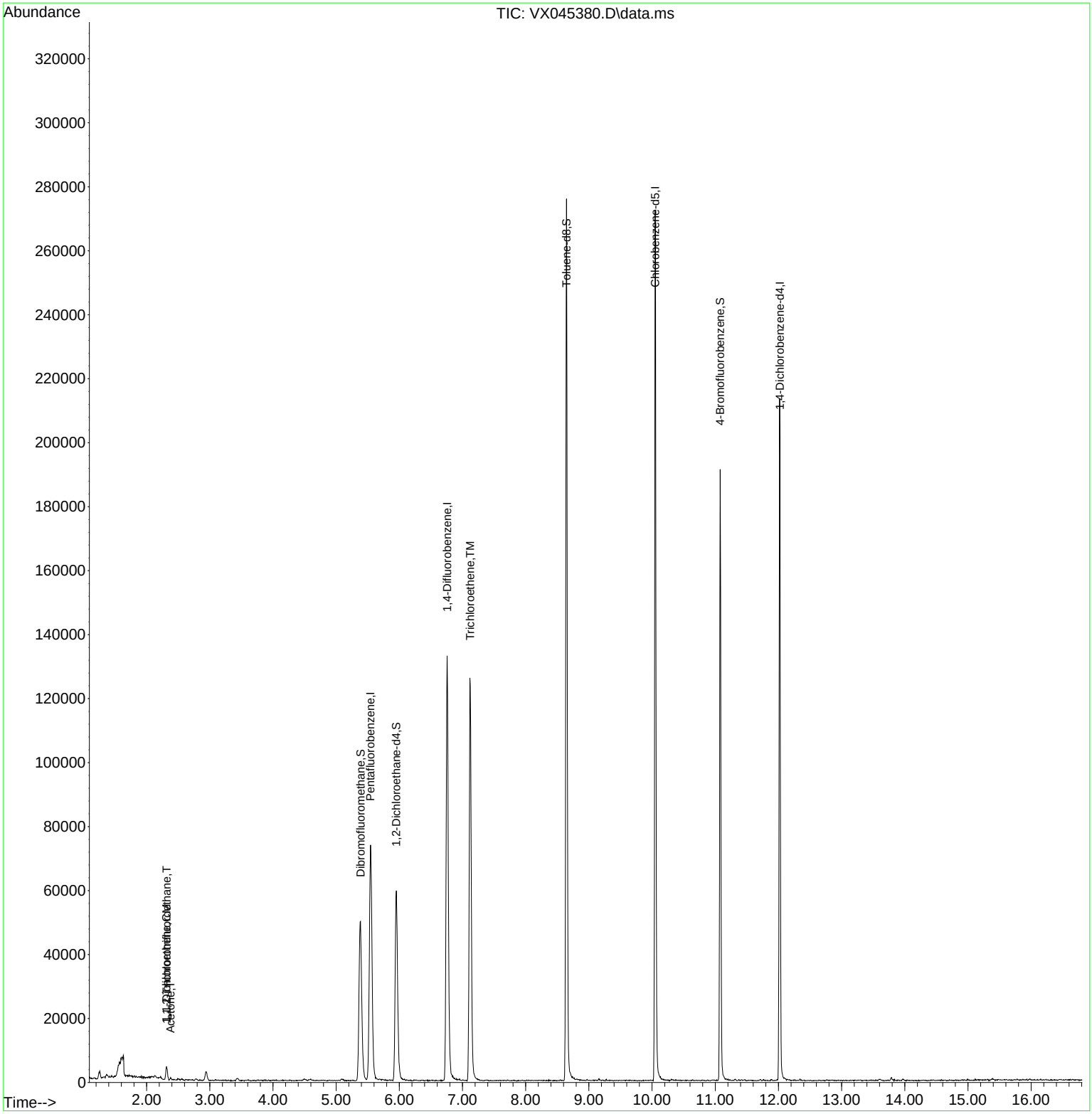
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58267	56.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.340%			
35) Dibromofluoromethane	5.385	113	44130	51.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	8.647	98	157050	50.904	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.800%			
62) 4-Bromofluorobenzene	11.079	95	49720	48.633	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.260%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1161	1.532	ug/l	96
12) 1,1-Dichloroethene	2.313	96	580	0.724	ug/l	92
16) Acetone	2.380	43	592	1.230	ug/l	100
44) Trichloroethene	7.123	130	46763	54.039	ug/l	98

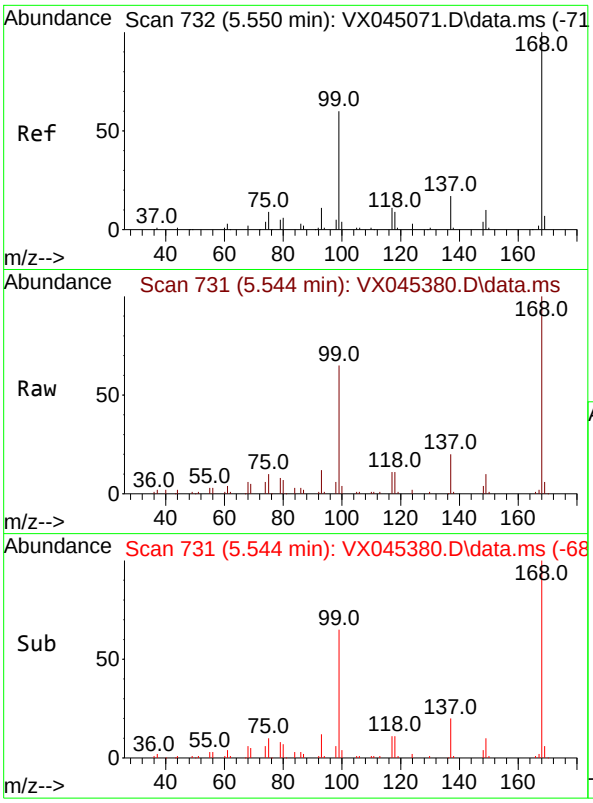
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045380.D
Acq On : 21 Mar 2025 12:08
Operator : JC/MD
Sample : Q1582-02DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Quant Time: Mar 22 04:00:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



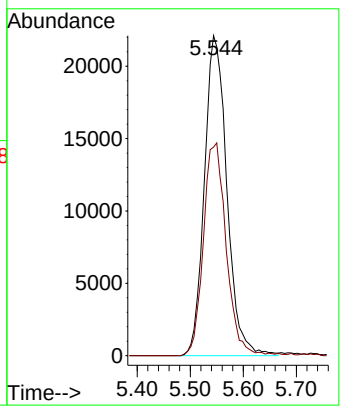


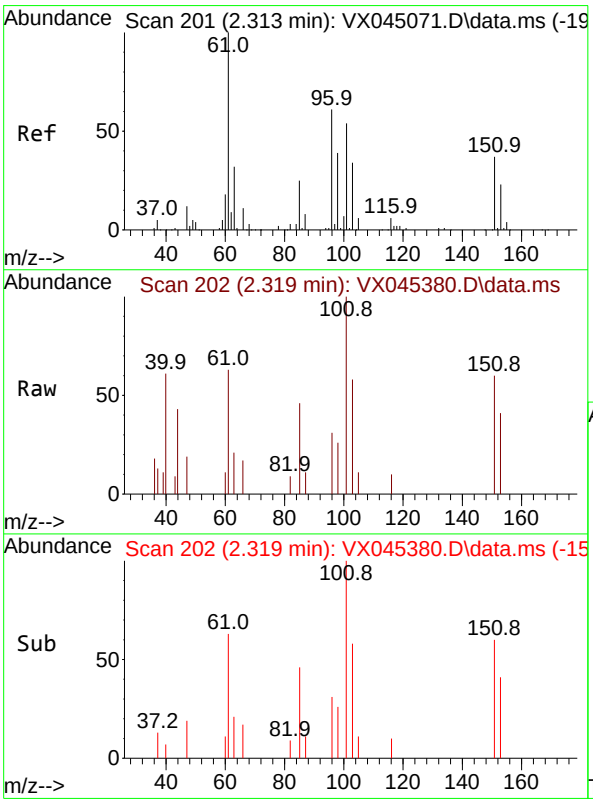
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Tgt Ion:168 Resp: 65215

Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.2	72.4

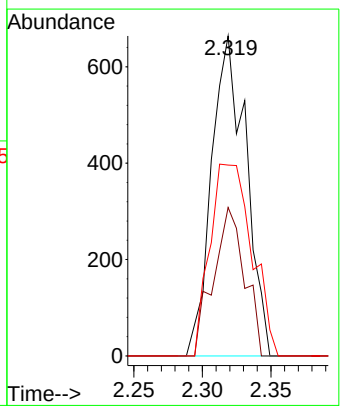


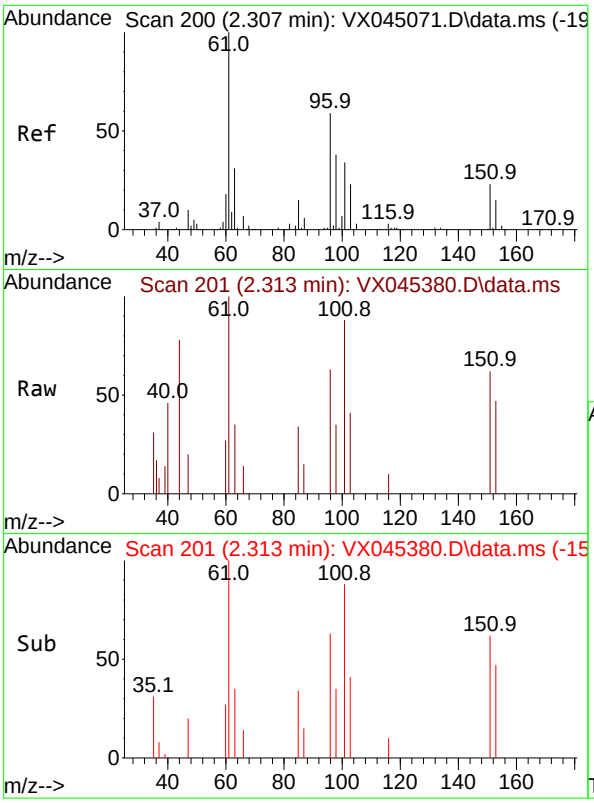


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.532 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:101 Resp: 1161

Ion	Ratio	Lower	Upper
101	100		
85	42.1	36.2	54.4
151	73.0	56.4	84.6



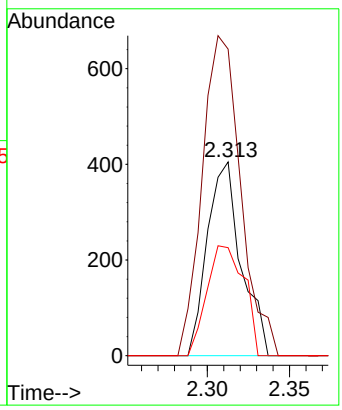


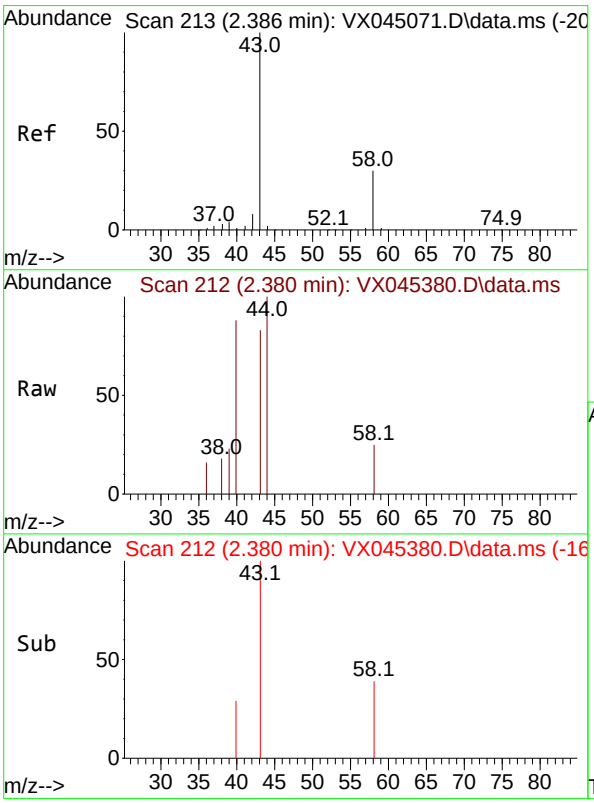
#12
1,1-Dichloroethene
Concen: 0.724 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Tgt Ion: 96 Resp: 580

Ion	Ratio	Lower	Upper
96	100		
61	158.3	134.6	202.0
98	55.8	51.0	76.6

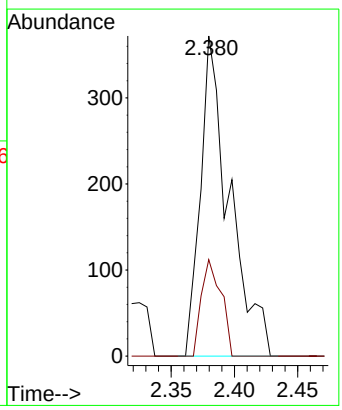


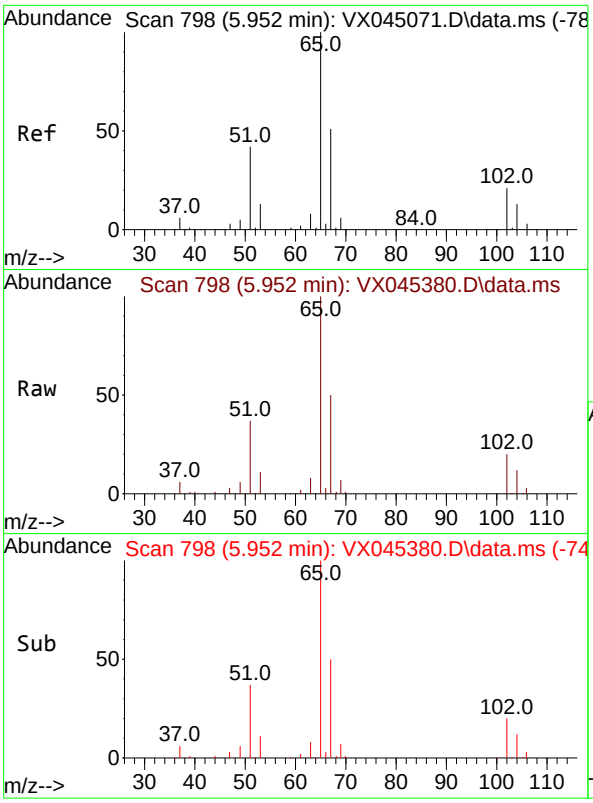


#16
Acetone
Concen: 1.230 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 43 Resp: 592

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.4



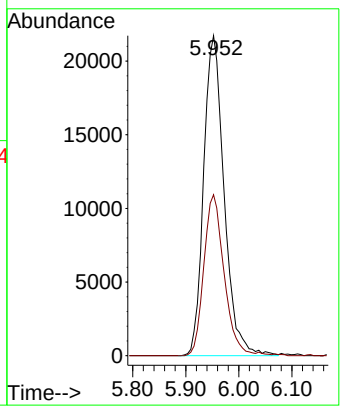


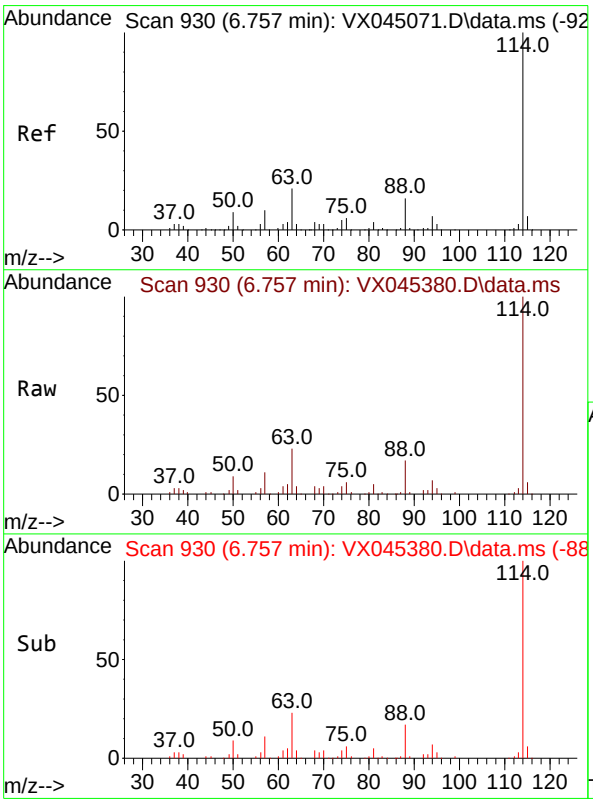
#33
1,2-Dichloroethane-d4
Concen: 56.170 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Tgt Ion: 65 Resp: 58267

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	106.2

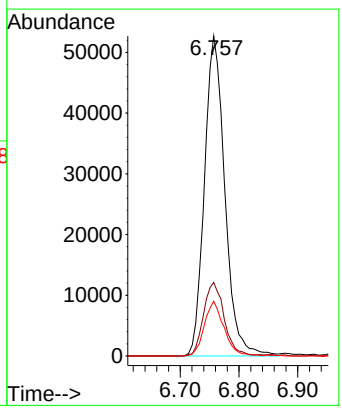


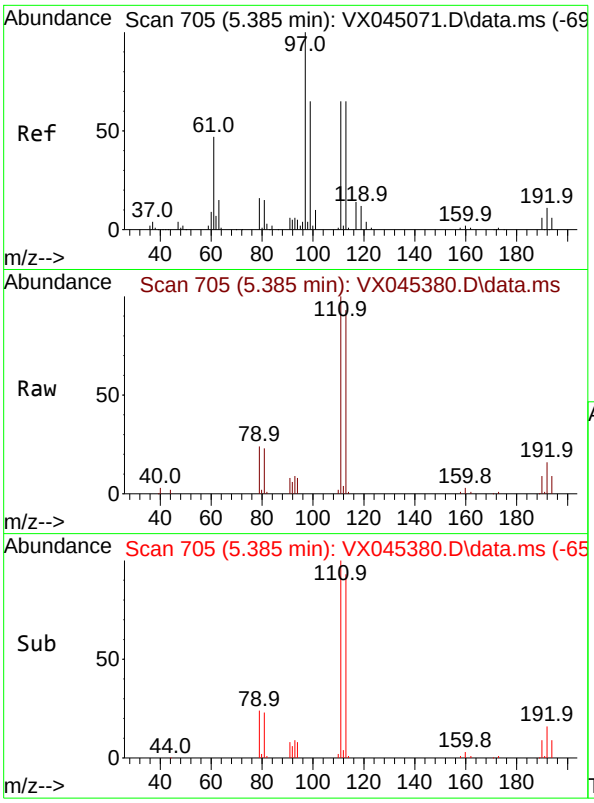


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:114 Resp: 127269

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	17.1	0.0	32.8



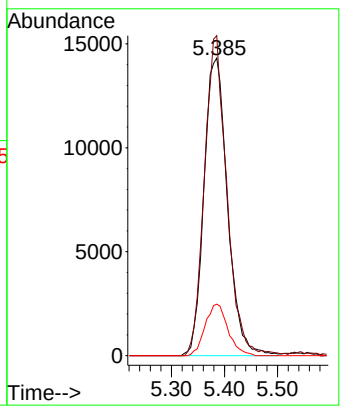


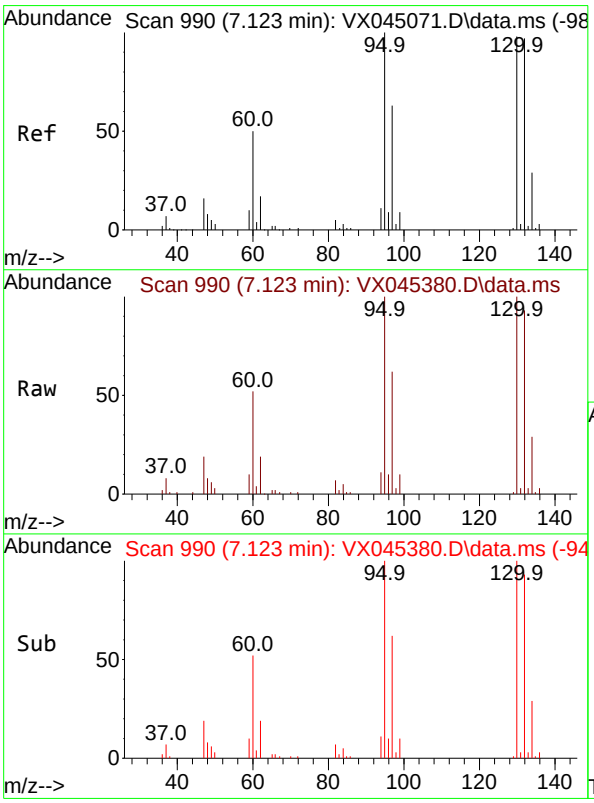
#35
Dibromofluoromethane
Concen: 51.856 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Tgt Ion:113 Resp: 44130

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.8	14.3	21.5

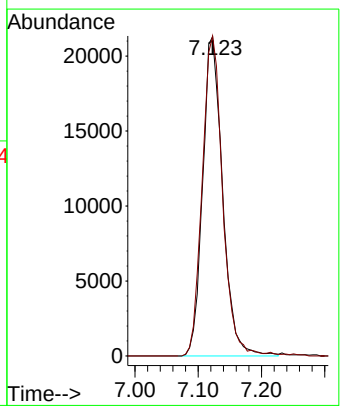


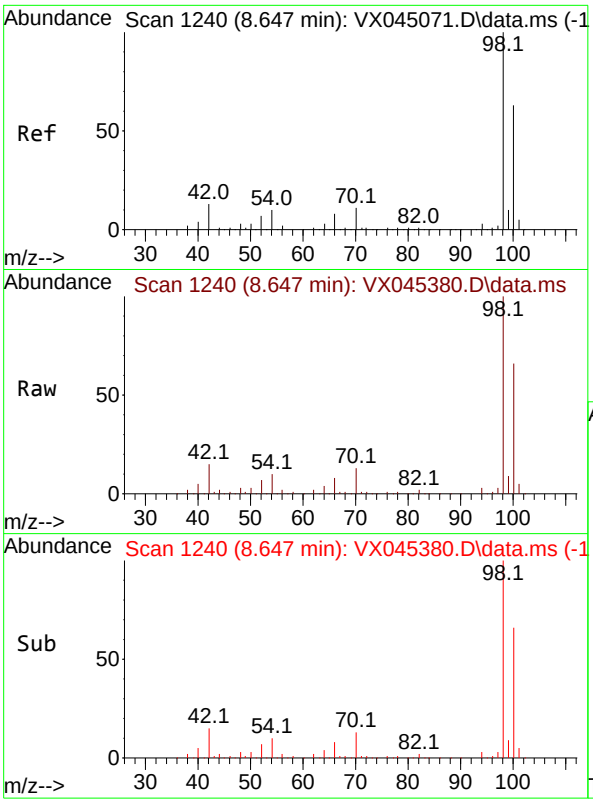


#44
Trichloroethene
Concen: 54.039 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:130 Resp: 46763

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	205.0



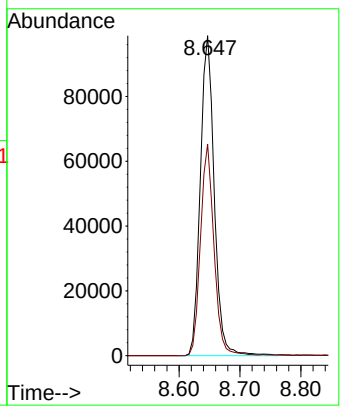


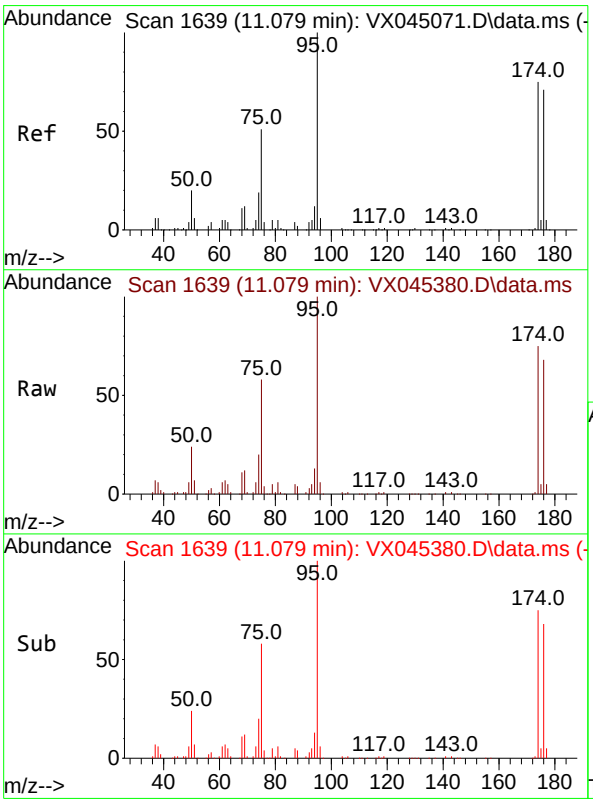
#50
Toluene-d8
Concen: 50.904 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Tgt Ion: 98 Resp: 157050

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

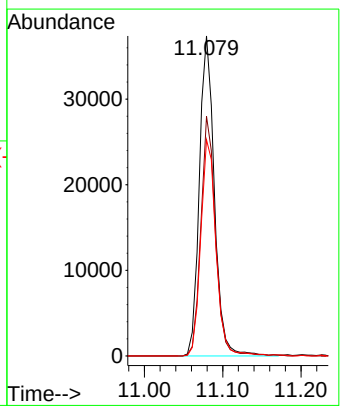


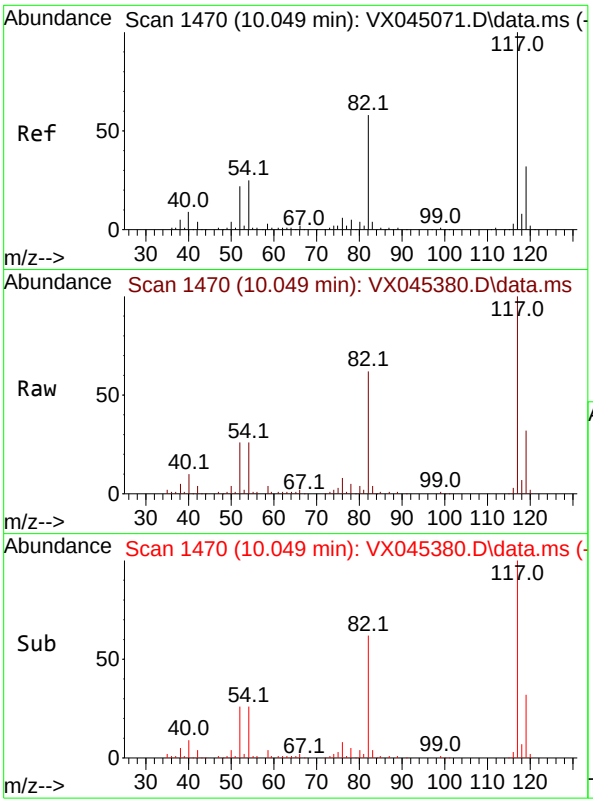


#62
4-Bromofluorobenzene
Concen: 48.633 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 95 Resp: 49720

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	148.2
176	68.8	0.0	141.4



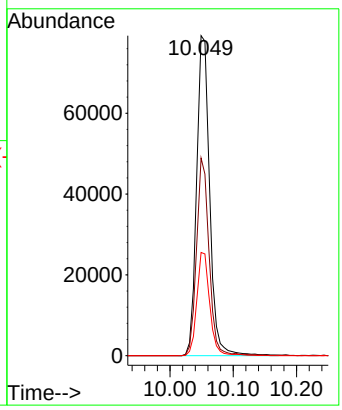


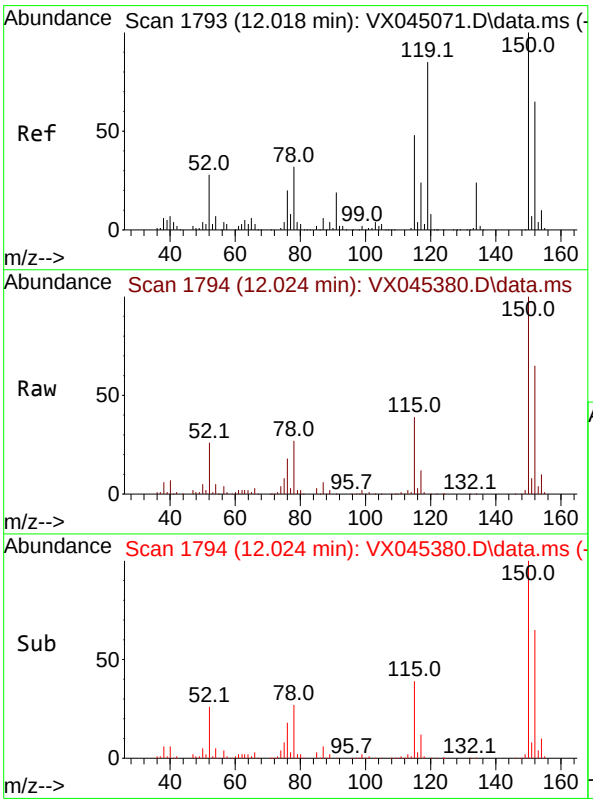
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

Tgt Ion:117 Resp: 114057

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	32.2	25.7	38.5

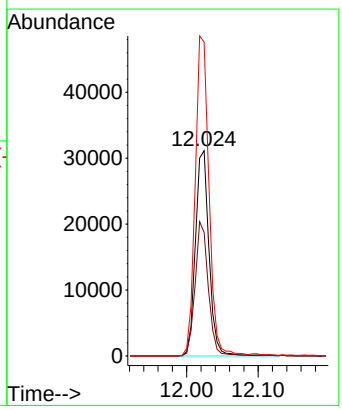




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:152 Resp: 41111

Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.2	132.6
150	157.3	0.0	349.0



Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D2-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-03	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045364.D	1		03/20/25 16:22	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.77	J	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	43.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		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	2.20		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.50		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	0.90	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	430	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D2-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-03	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045364.D	1		03/20/25 16:22	VX032025

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	0.90	J	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	0.30	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	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71100	5.544				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54000	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D2-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-03	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045364.D	1		03/20/25 16:22	VX032025

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\VX032025\
Data File : VX045364.D
Acq On : 20 Mar 2025 16:22
Operator : JC/MD
Sample : Q1582-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Quant Time: Mar 21 01:50:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

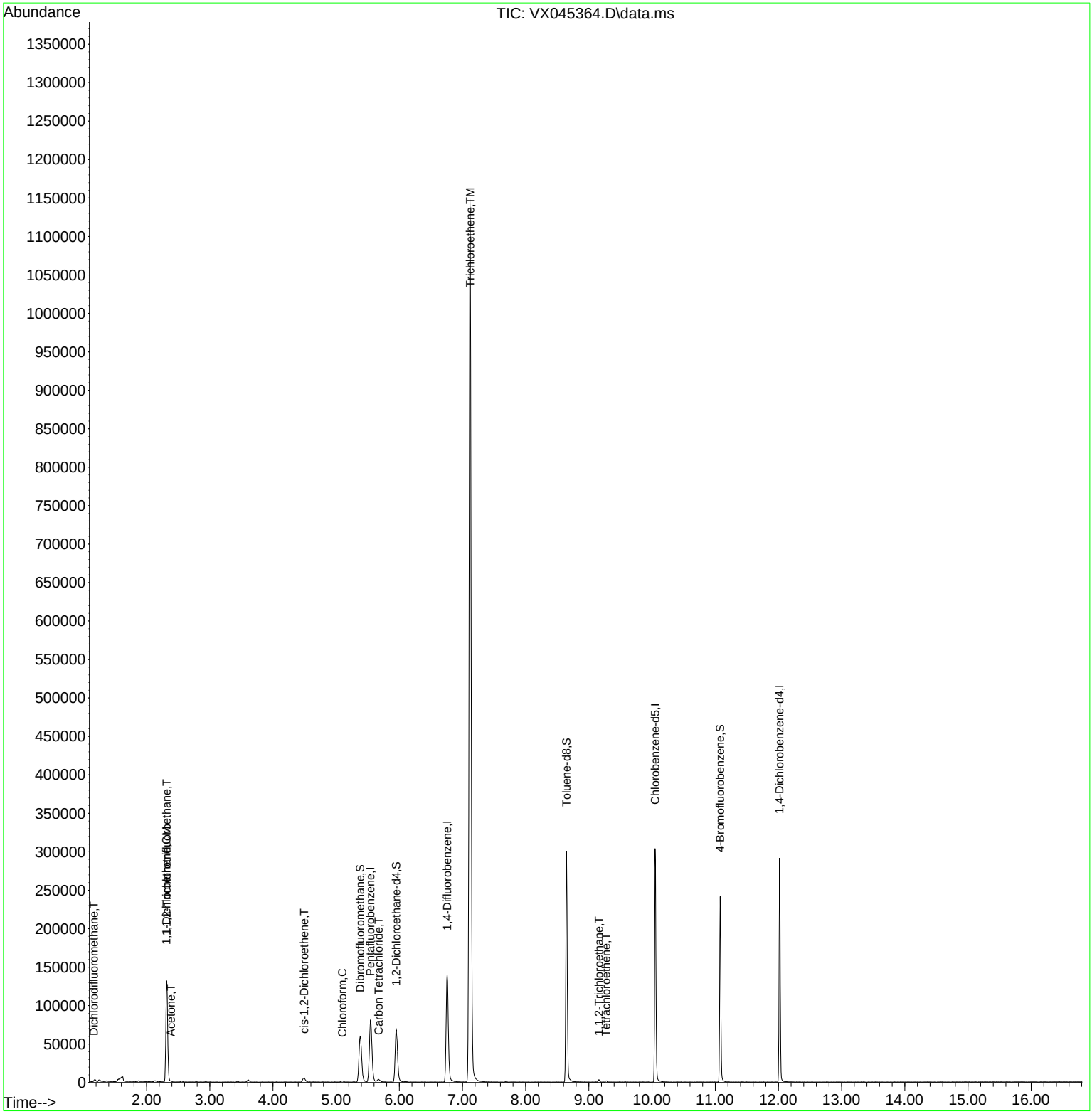
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	71131	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	139371	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	128166	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53957	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	65413	57.814	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.620%				
35) Dibromofluoromethane	5.379	113	50363	54.041	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.080%				
50) Toluene-d8	8.647	98	172087	50.934	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%				
62) 4-Bromofluorobenzene	11.079	95	60248	53.814	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.620%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	690	0.771	ug/l		95
9) 1,1,2-Trichlorotrifluo...	2.318	101	35846	43.359	ug/l		99
12) 1,1-Dichloroethene	2.312	96	17419	19.929	ug/l		99
16) Acetone	2.386	43	1004	1.913	ug/l	#	78
27) cis-1,2-Dichloroethene	4.495	96	3713	3.483	ug/l		96
30) Chloroform	5.098	83	1579	0.896	ug/l		96
38) Carbon Tetrachloride	5.672	117	2848	2.195	ug/l	#	83
44) Trichloroethene	7.122	130	410885	433.585	ug/l		98
55) 1,1,2-Trichloroethane	9.159	97	872	0.895	ug/l	#	85
64) Tetrachloroethene	9.275	164	242	0.295	ug/l	#	73

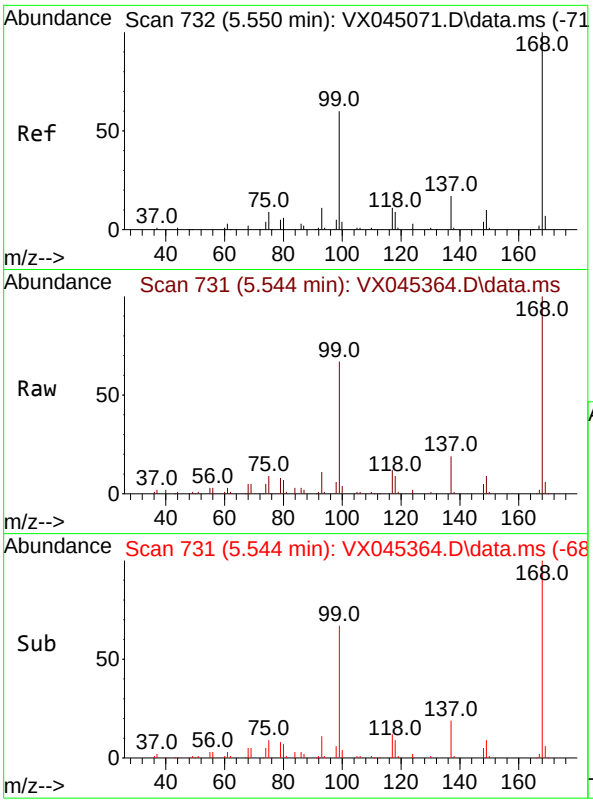
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045364.D
Acq On : 20 Mar 2025 16:22
Operator : JC/MD
Sample : Q1582-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Quant Time: Mar 21 01:50:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



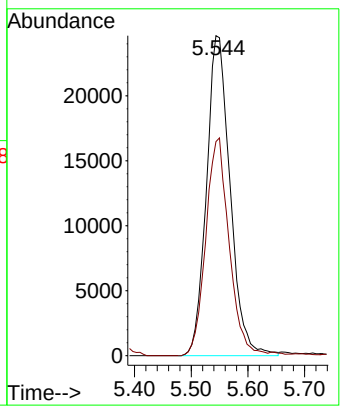


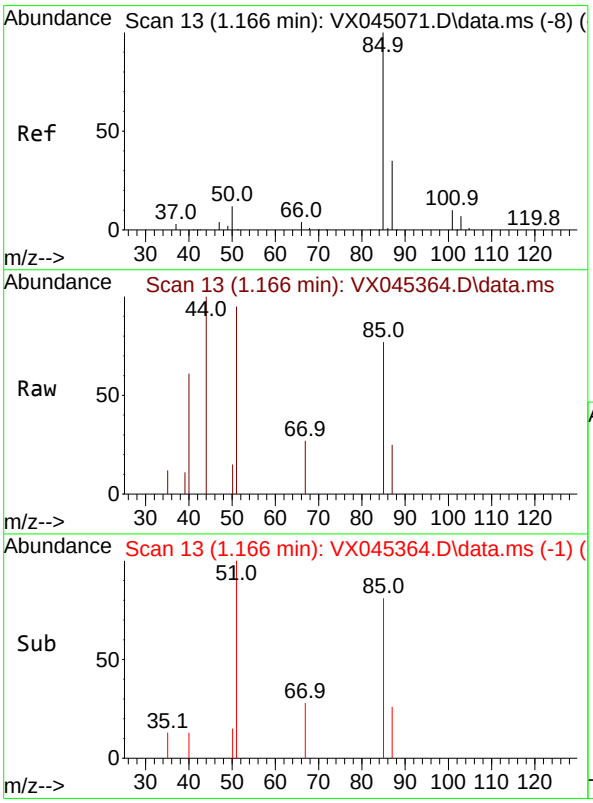
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion:168 Resp: 71131

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

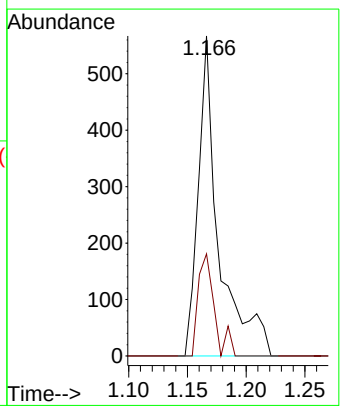


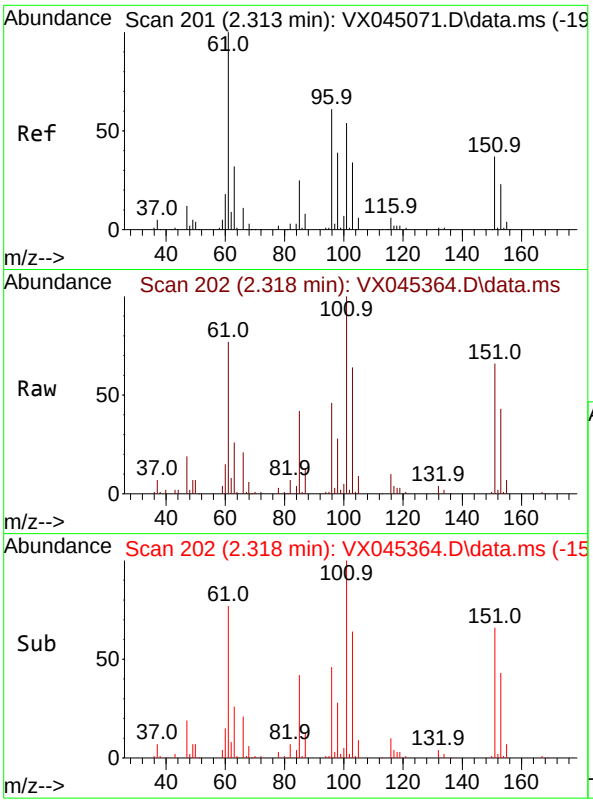


#2
Dichlorodifluoromethane
Concen: 0.771 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 85 Resp: 690

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



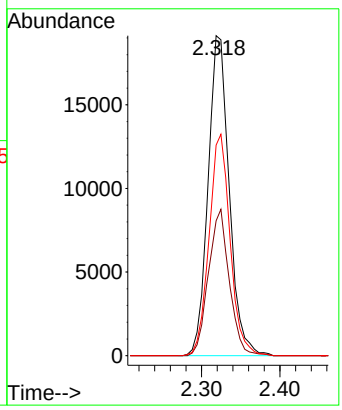


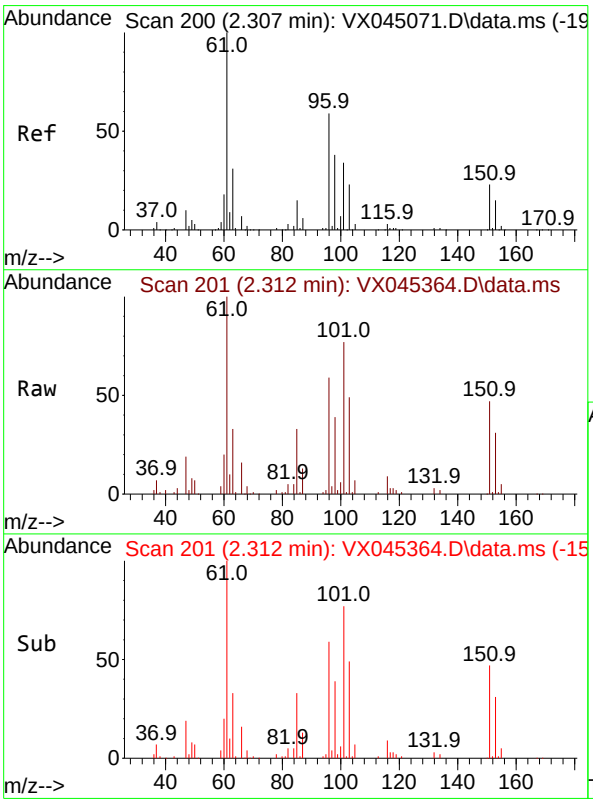
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.359 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion:101 Resp: 35846

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	68.9	56.4	84.6

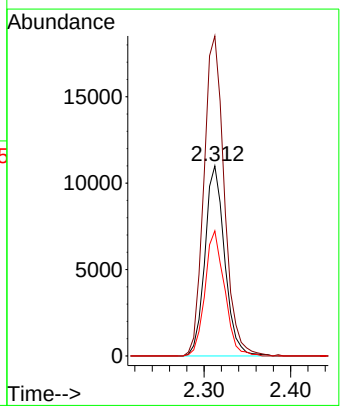


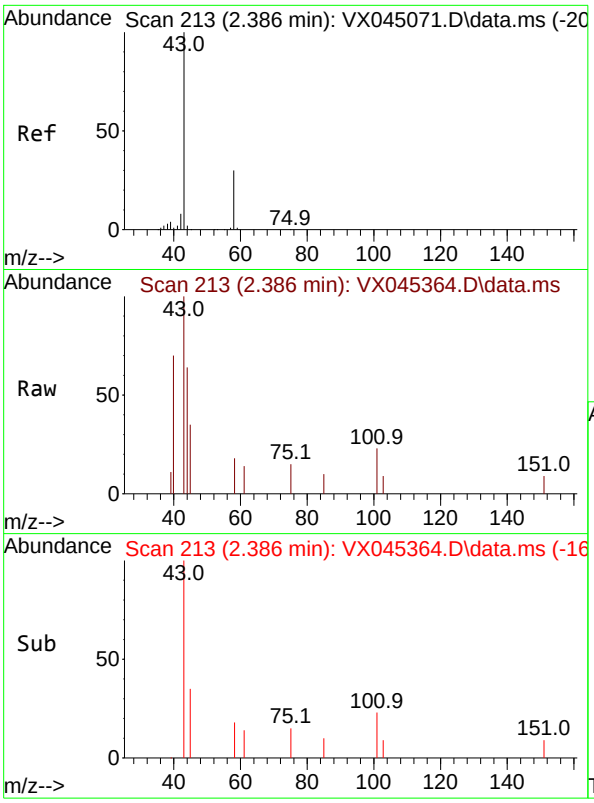


#12
1,1-Dichloroethene
Concen: 19.929 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 96 Resp: 17419

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	65.8	51.0	76.6



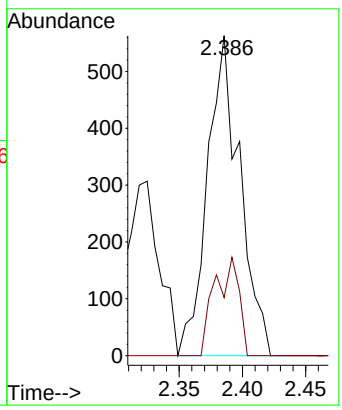


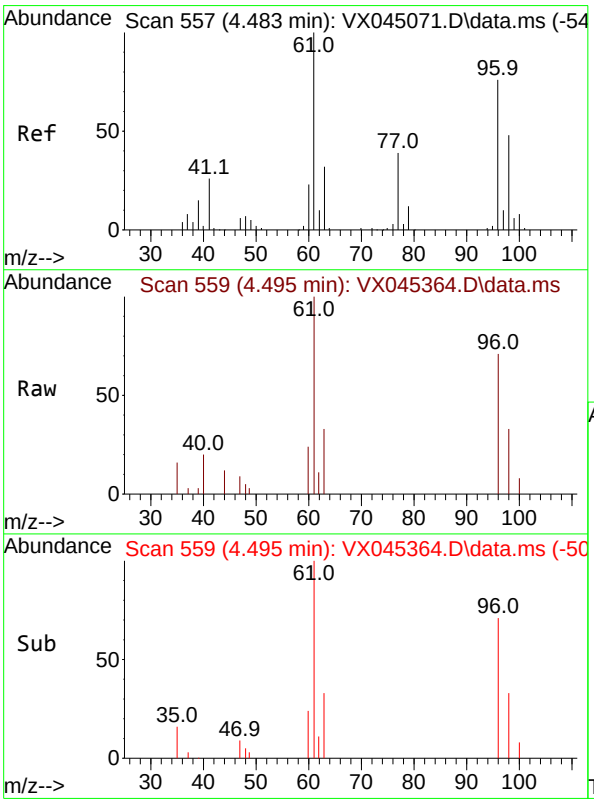
#16
Acetone
Concen: 1.913 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion: 43 Resp: 1004

Ion	Ratio	Lower	Upper
43	100		
58	18.1	24.2	36.4#

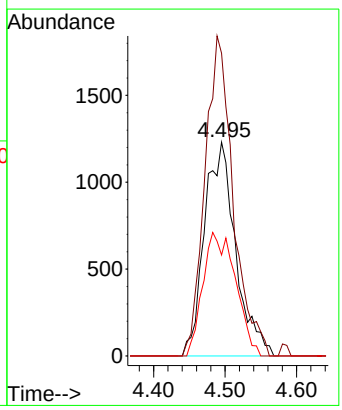


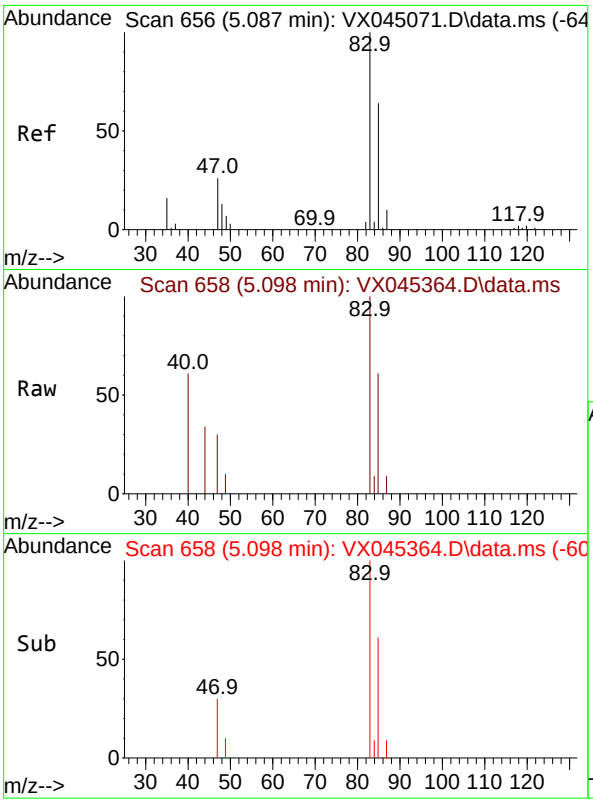


#27
cis-1,2-Dichloroethene
Concen: 3.483 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 96 Resp: 3713

Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	283.2
98	60.8	0.0	128.0



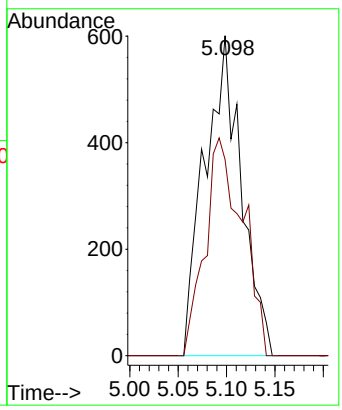


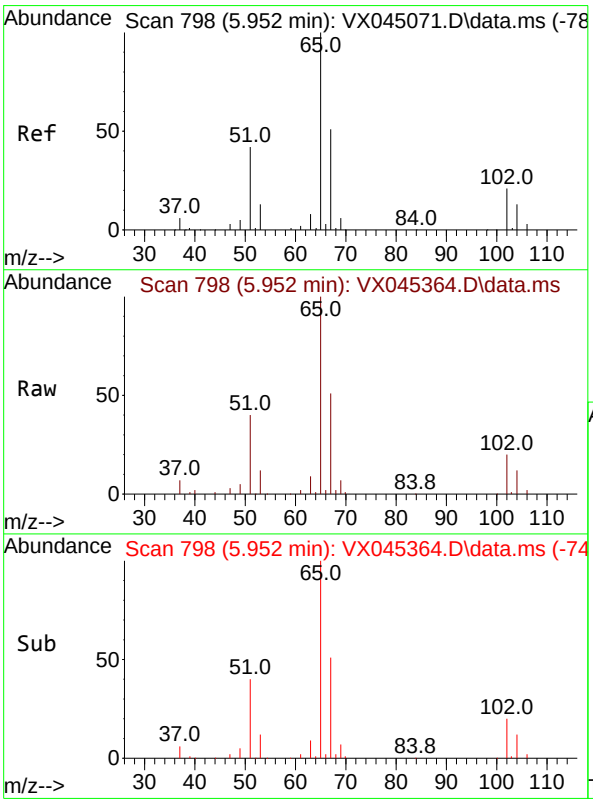
#30
Chloroform
Concen: 0.896 ug/l
RT: 5.098 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion: 83 Resp: 1579

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.4	77.2

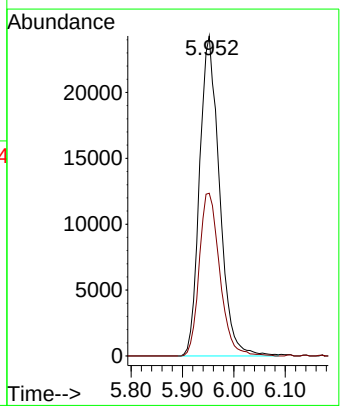


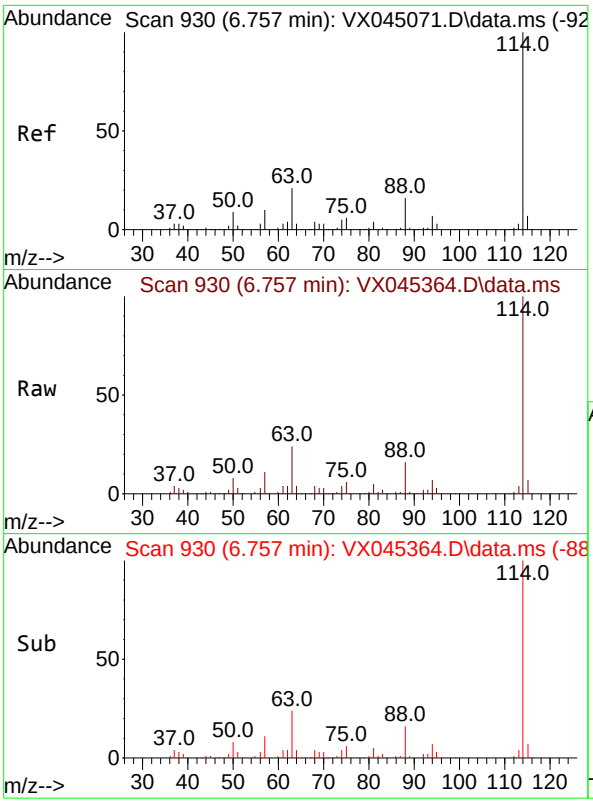


#33
1,2-Dichloroethane-d4
Concen: 57.814 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 65 Resp: 65413

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2



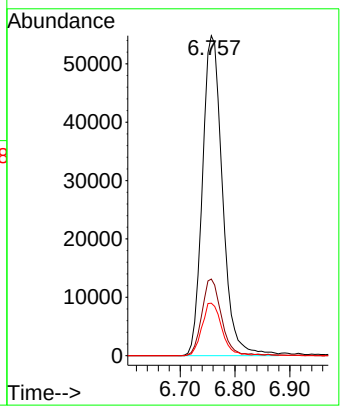


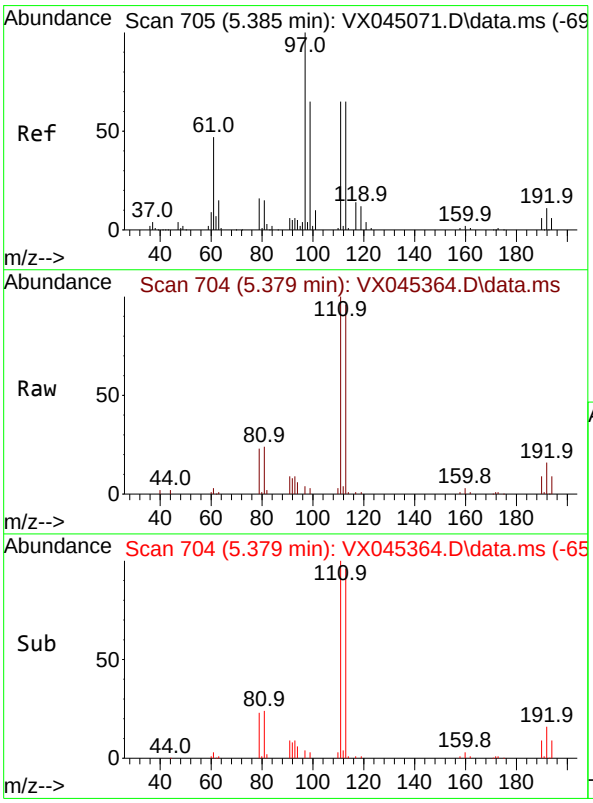
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion:114 Resp: 139371

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	41.8
88	16.4	0.0	32.8

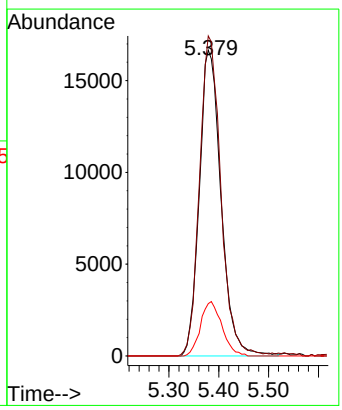


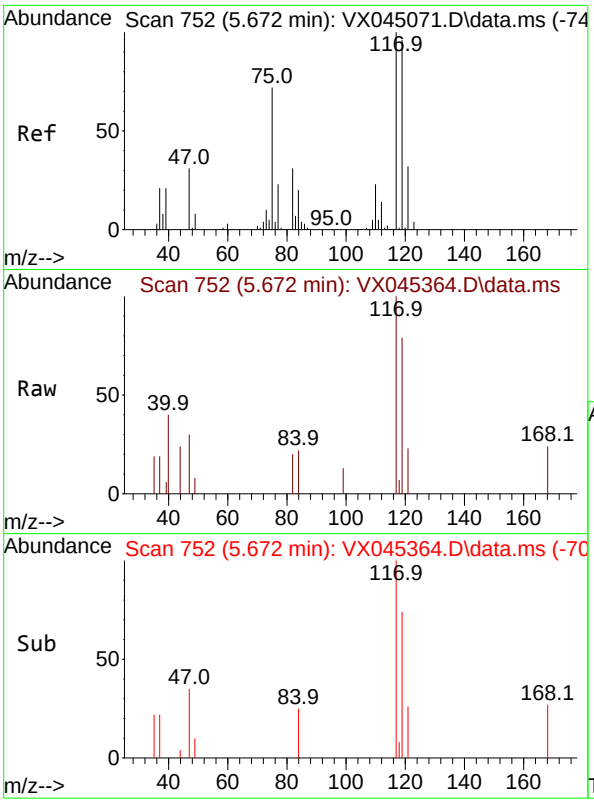


#35
Dibromofluoromethane
Concen: 54.041 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion:113 Resp: 50363

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	17.6	14.3	21.5



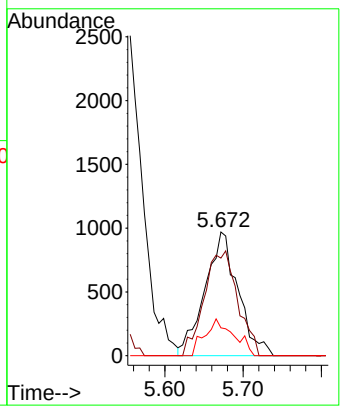


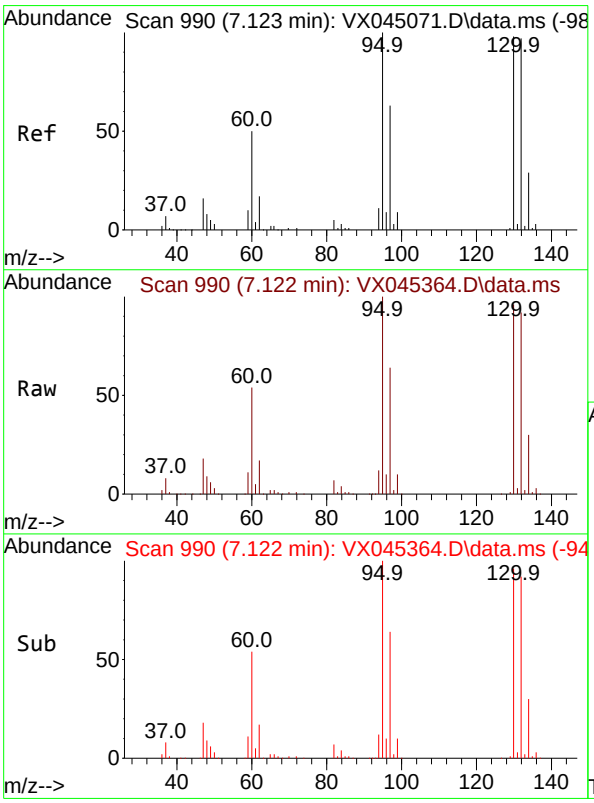
#38
Carbon Tetrachloride
Concen: 2.195 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion:117 Resp: 2848

Ion	Ratio	Lower	Upper
117	100		
119	78.9	76.7	115.1
121	22.6	25.5	38.3#

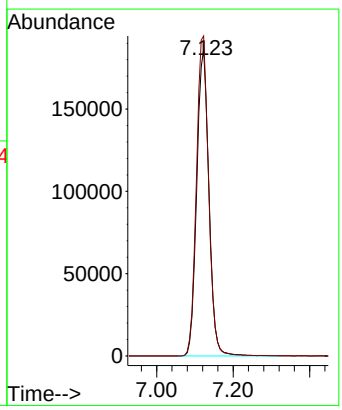


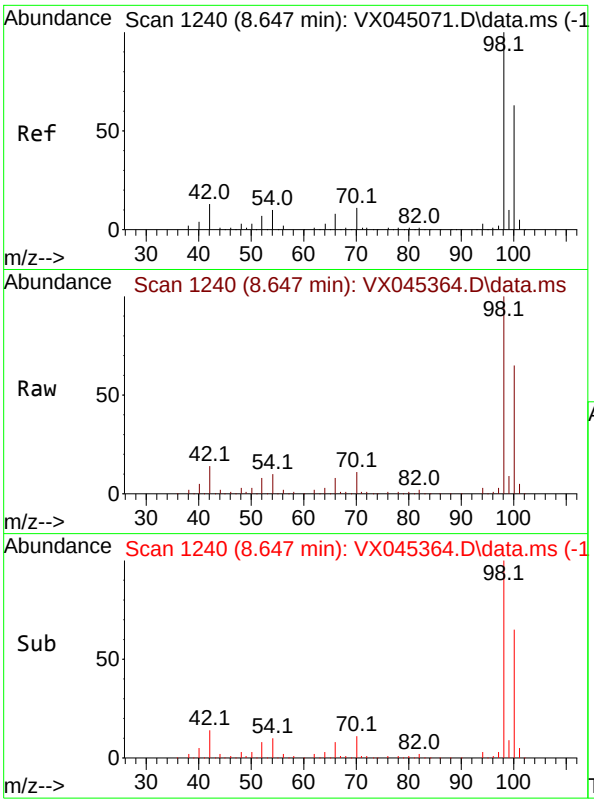


#44
Trichloroethene
Concen: 433.585 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion:130 Resp: 410885

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	205.0



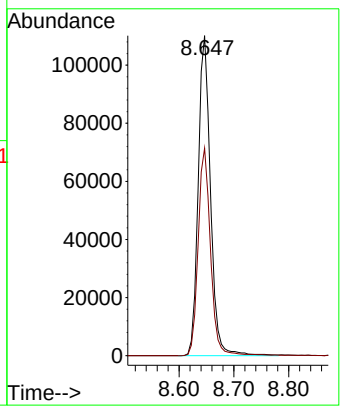


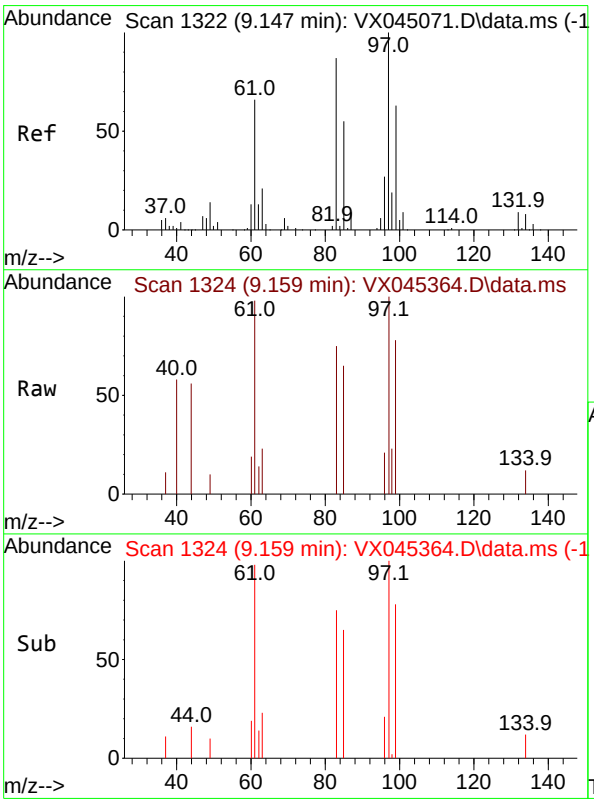
#50
Toluene-d8
Concen: 50.934 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion: 98 Resp: 172087

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

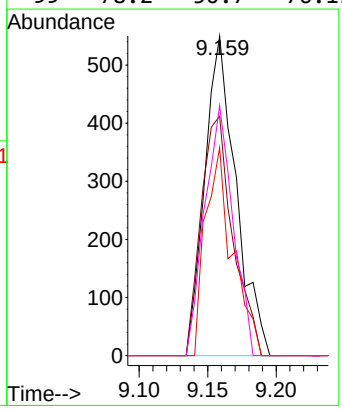


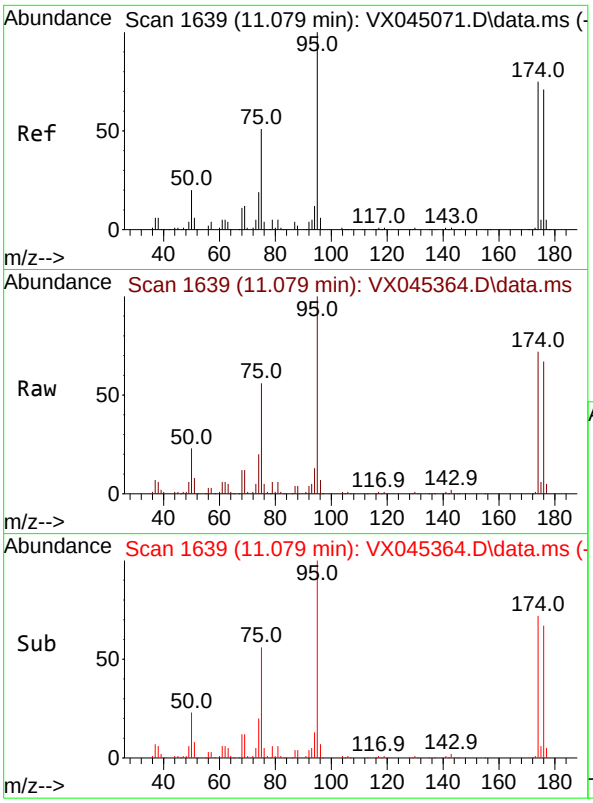


#55
1,1,2-Trichloroethane
Concen: 0.895 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 97 Resp: 872

Ion	Ratio	Lower	Upper
97	100		
83	74.9	69.4	104.2
85	65.1	44.1	66.1
99	78.2	50.7	76.1#



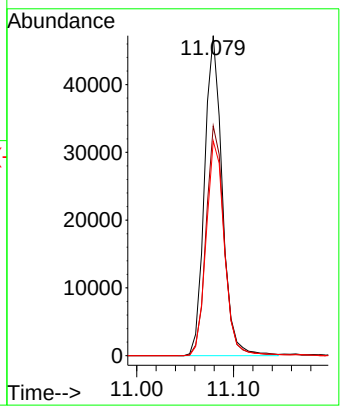


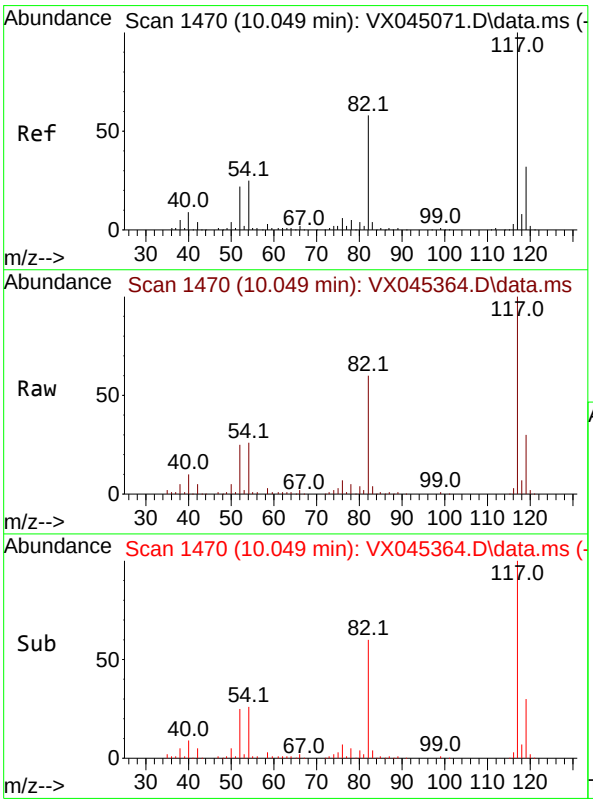
#62
4-Bromofluorobenzene
Concen: 53.814 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion: 95 Resp: 60248

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.2
176	69.2	0.0	141.4

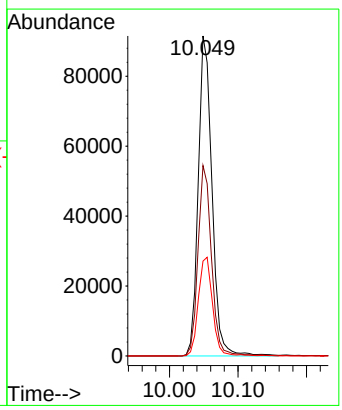


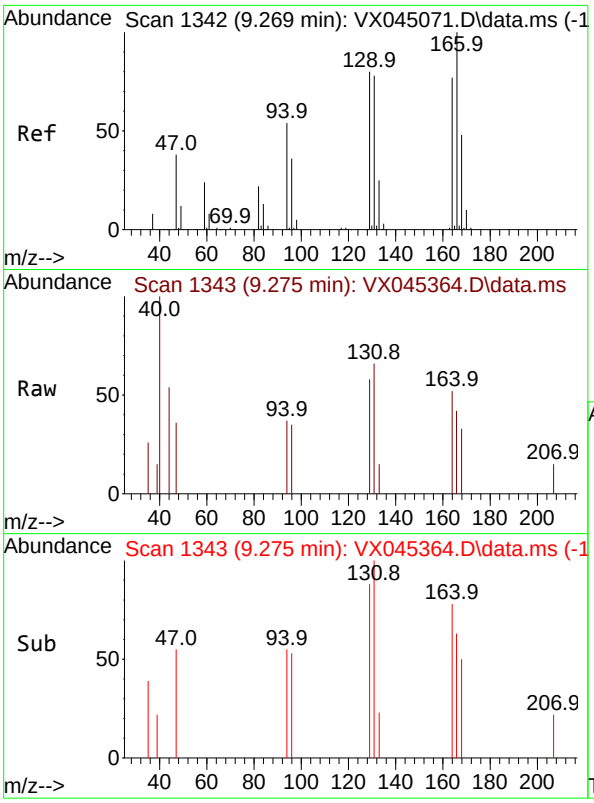


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion:117 Resp: 128166

Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.3	69.5
119	29.6	25.7	38.5



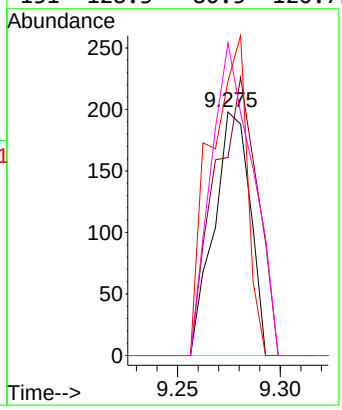


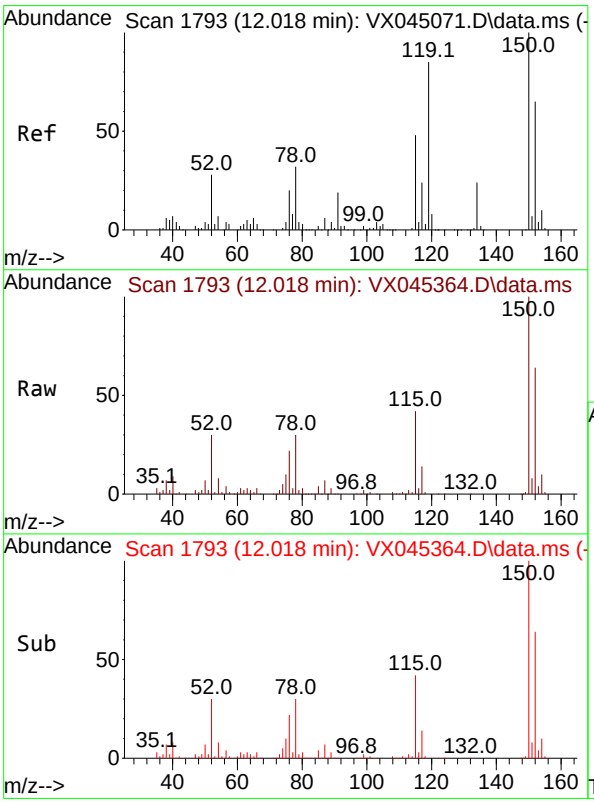
#64
Tetrachloroethene
Concen: 0.295 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

Tgt Ion:164 Resp: 242

Ion	Ratio	Lower	Upper
164	100		
166	81.3	103.6	155.4#
129	112.6	82.7	124.1
131	128.3	80.5	120.7#

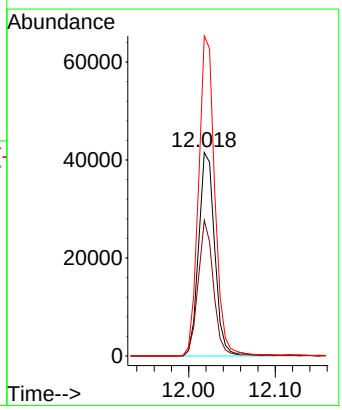




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion:152 Resp: 53957

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.2	132.6
150	158.3	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D2-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-03DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045383.D	10		03/21/25 13:18	VX032125

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	43.9	D	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	20.8	D	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	450	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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D2-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-03DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045383.D	10		03/21/25 13:18	VX032125

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	57.4		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.544				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D2-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-03DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045383.D	10		03/21/25 13:18	VX032125

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\VX032125\
Data File : VX045383.D
Acq On : 21 Mar 2025 13:18
Operator : JC/MD
Sample : Q1582-03DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Quant Time: Mar 21 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

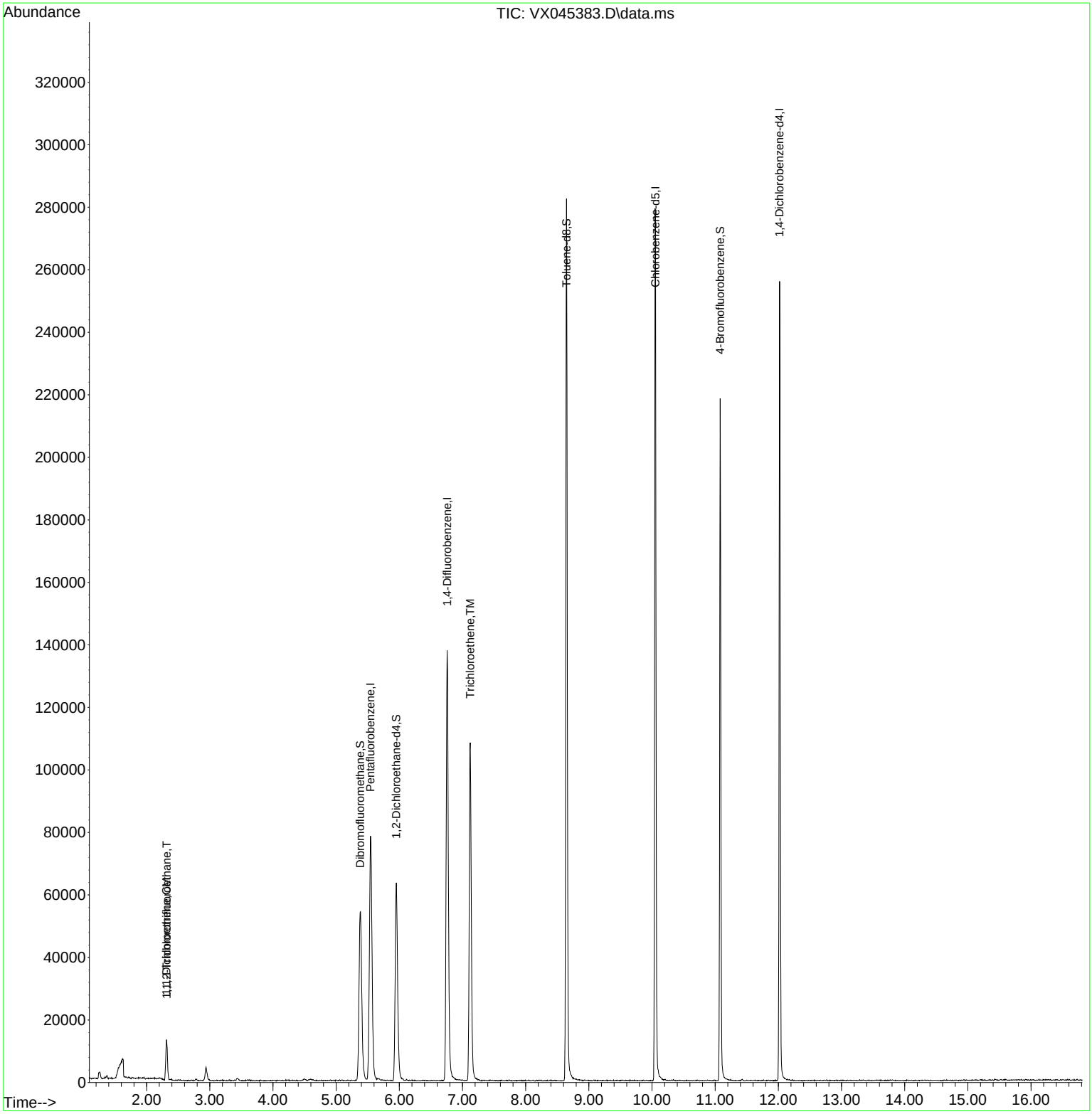
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61840	57.373	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.740%			
35) Dibromofluoromethane	5.379	113	47362	53.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.960%			
50) Toluene-d8	8.647	98	161724	50.372	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.740%			
62) 4-Bromofluorobenzene	11.079	95	55132	51.821	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.640%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	3454	4.386	ug/l	99
12) 1,1-Dichloroethene	2.313	96	1735	2.084	ug/l	96
44) Trichloroethene	7.123	130	40681	45.175	ug/l	99

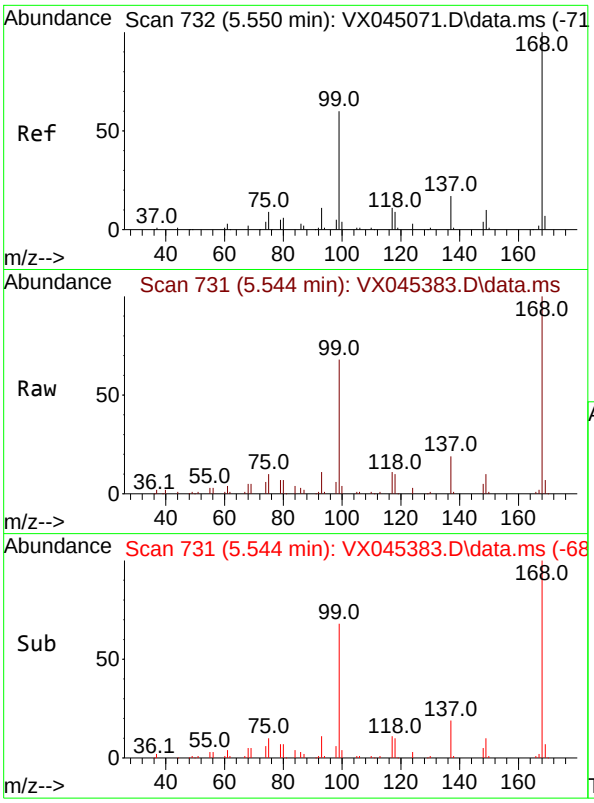
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045383.D
Acq On : 21 Mar 2025 13:18
Operator : JC/MD
Sample : Q1582-03DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Quant Time: Mar 21 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



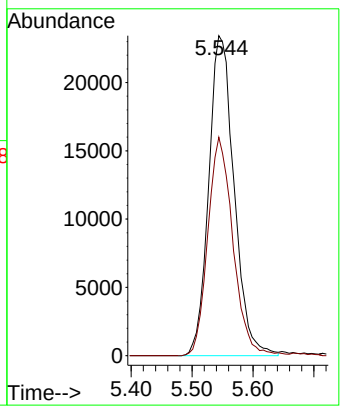


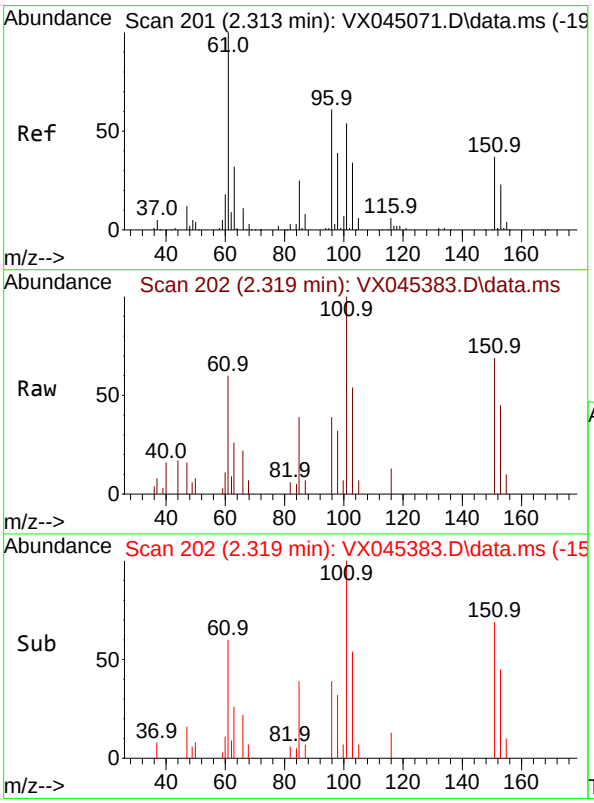
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Tgt Ion:168 Resp: 67762

Ion	Ratio	Lower	Upper
168	100		
99	68.3	48.2	72.4

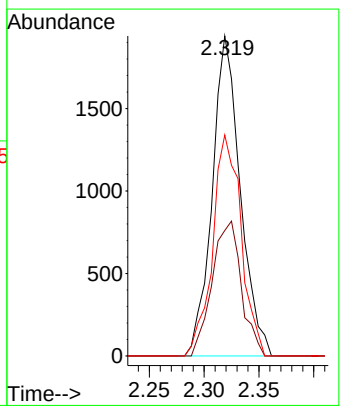


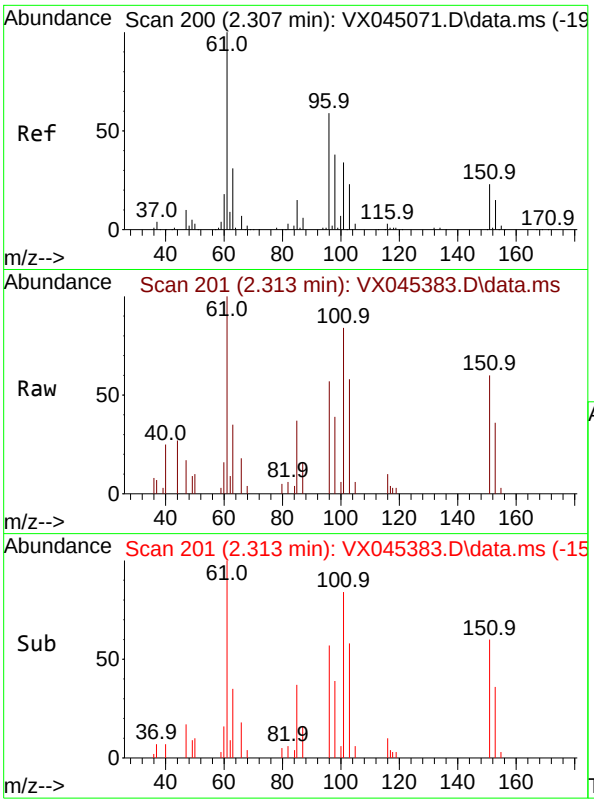


#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.386 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Tgt Ion:101 Resp: 3454

Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	70.1	56.4	84.6



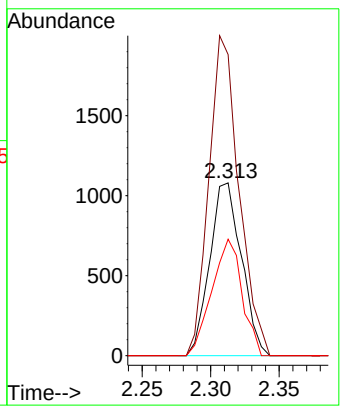


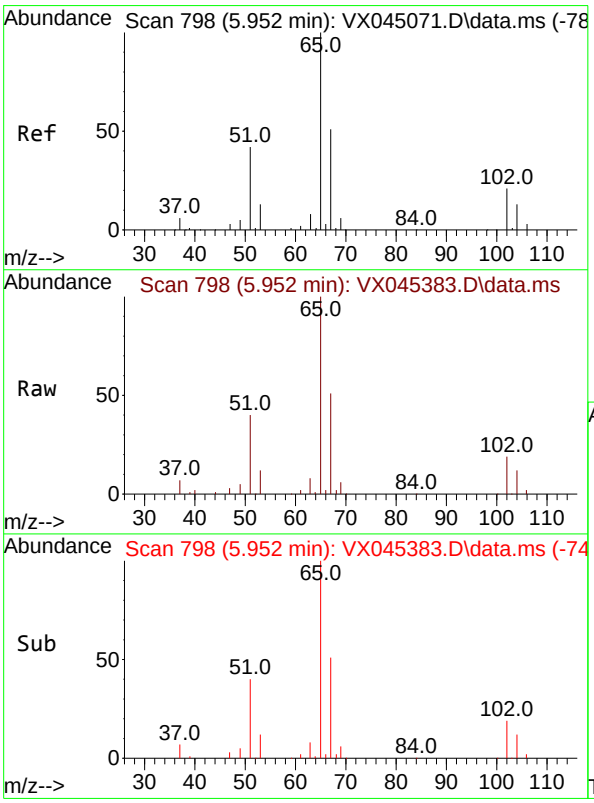
#12
1,1-Dichloroethene
Concen: 2.084 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Tgt Ion: 96 Resp: 1735

Ion	Ratio	Lower	Upper
96	100		
61	174.3	134.6	202.0
98	67.4	51.0	76.6

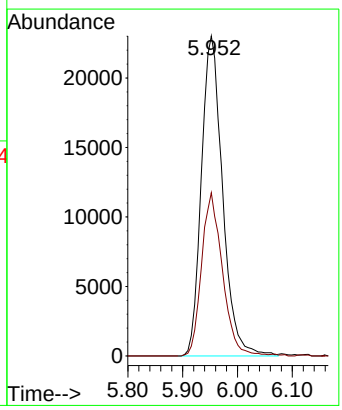


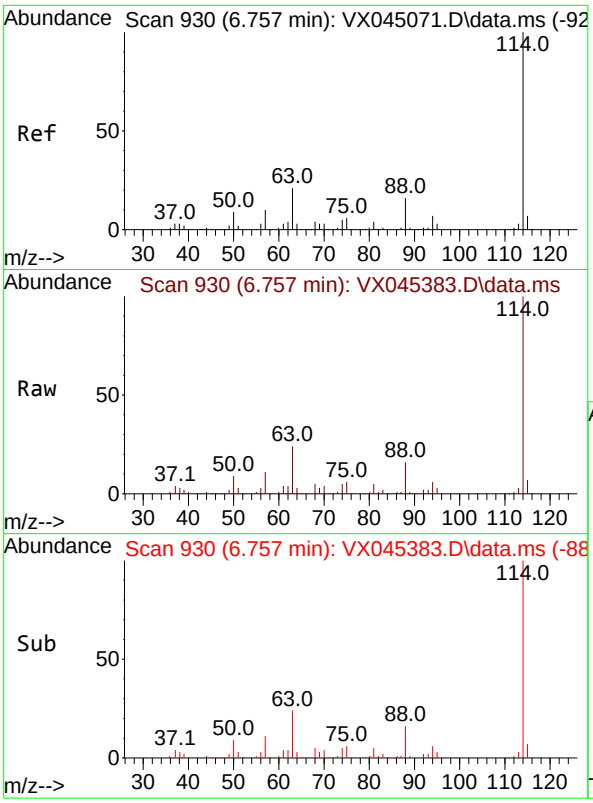


#33
1,2-Dichloroethane-d4
Concen: 57.373 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Tgt Ion: 65 Resp: 61840

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.2



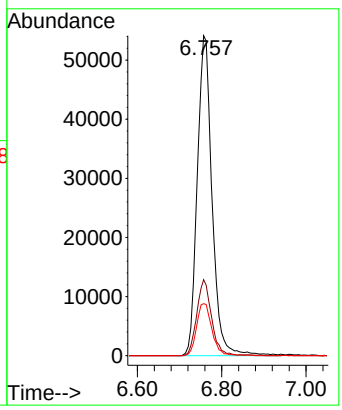


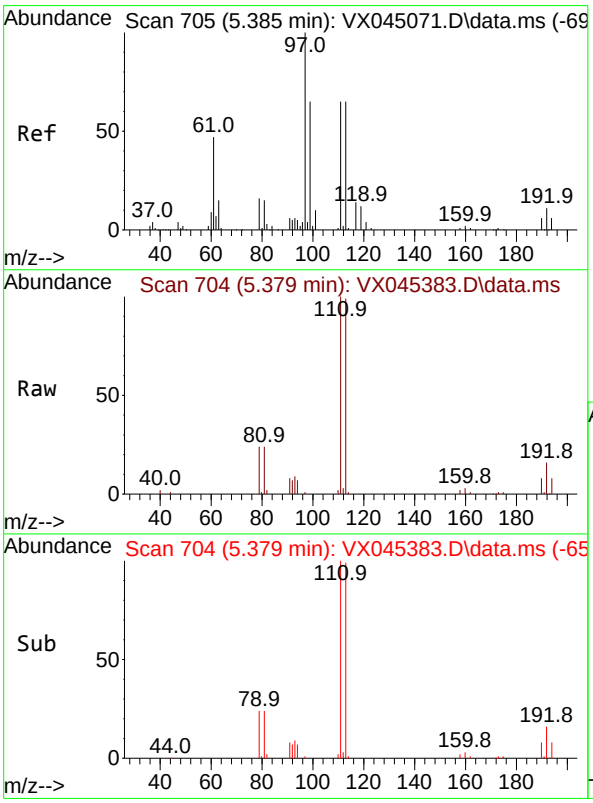
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Tgt Ion:114 Resp: 132441

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.3	0.0	32.8

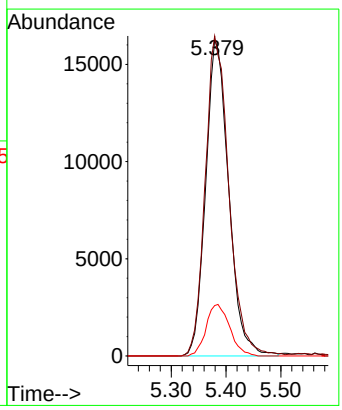


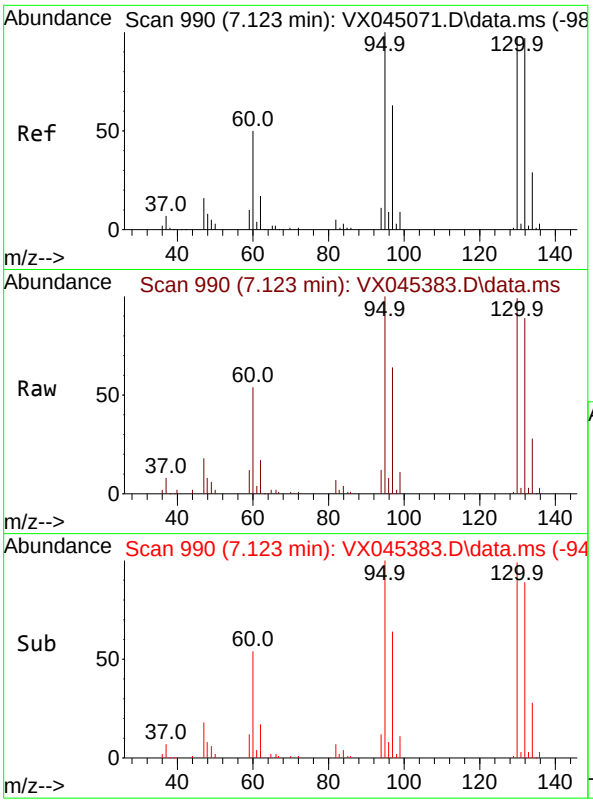


#35
Dibromofluoromethane
Concen: 53.480 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Tgt Ion:113 Resp: 47362

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.6
192	16.7	14.3	21.5



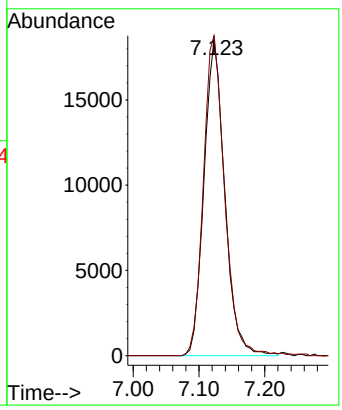


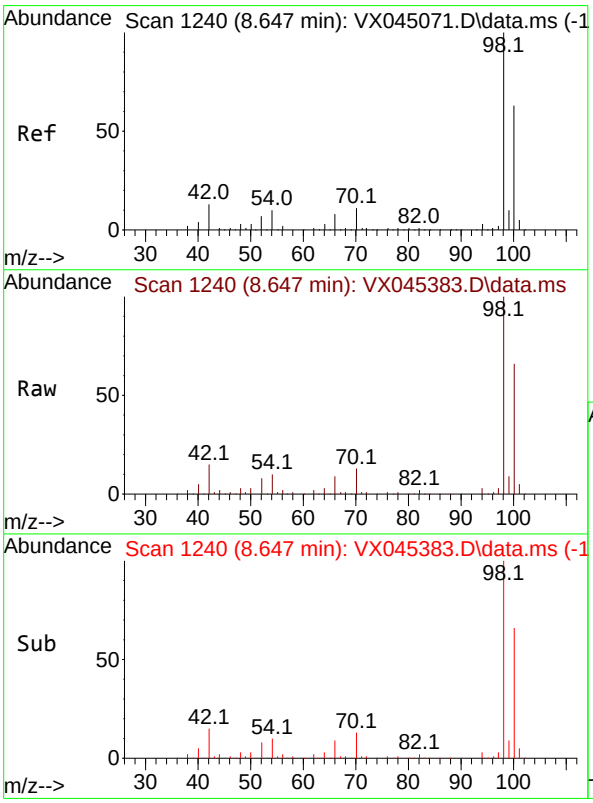
#44
Trichloroethene
Concen: 45.175 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Tgt Ion:130 Resp: 40681

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0

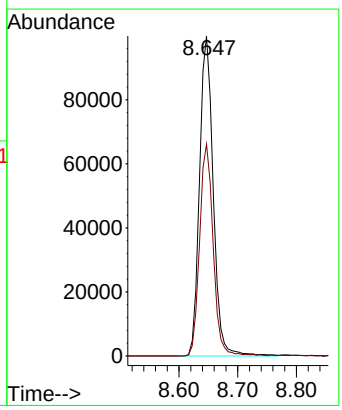


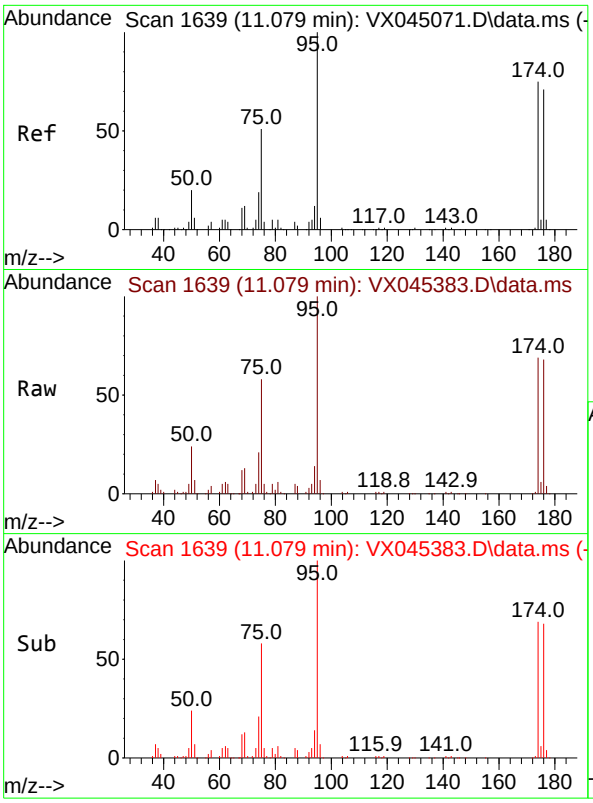


#50
Toluene-d8
Concen: 50.372 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Tgt Ion: 98 Resp: 161724

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



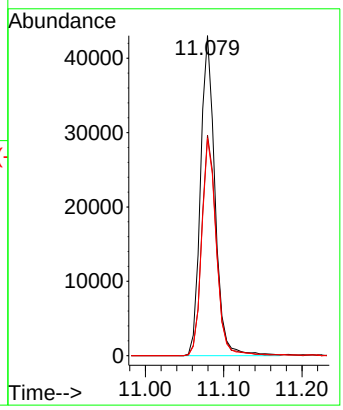


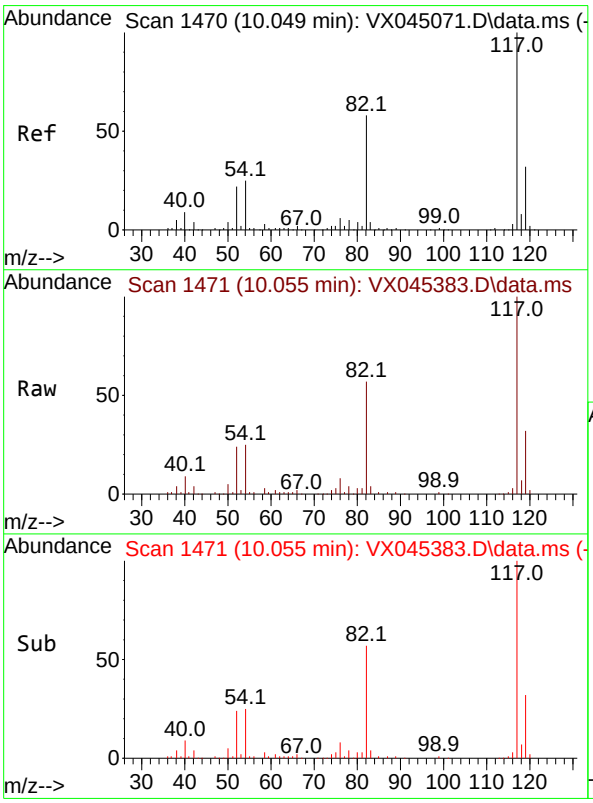
#62
4-Bromofluorobenzene
Concen: 51.821 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Tgt Ion: 95 Resp: 55132

Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	148.2
176	68.1	0.0	141.4

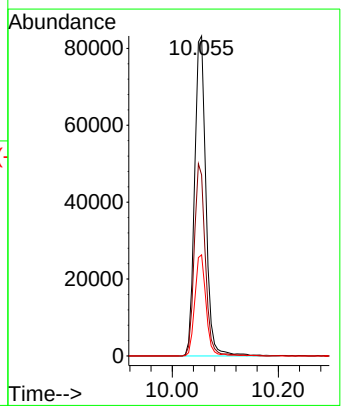


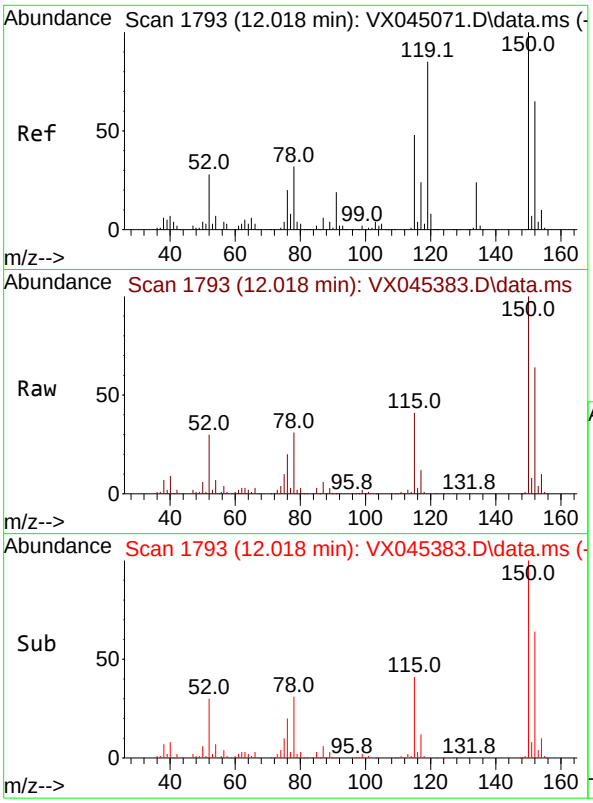


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Tgt Ion:117 Resp: 123000

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.3	69.5
119	31.6	25.7	38.5



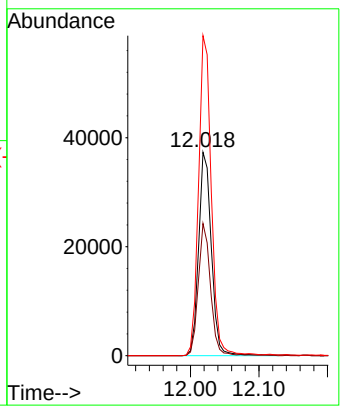


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045383.D
Acq: 21 Mar 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313DL

Tgt Ion:152 Resp: 48525

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.2	132.6
150	156.7	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-04	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045386.D	1		03/21/25 14:28	VX032125

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	2.50		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

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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-04	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045386.D	1		03/21/25 14:28	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.7		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70000	5.55				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	48600	12.024				

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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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT180D-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-04	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045386.D	1		03/21/25 14:28	VX032125

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\VX032125\
Data File : VX045386.D
Acq On : 21 Mar 2025 14:28
Operator : JC/MD
Sample : Q1582-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Quant Time: Mar 21 23:15:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

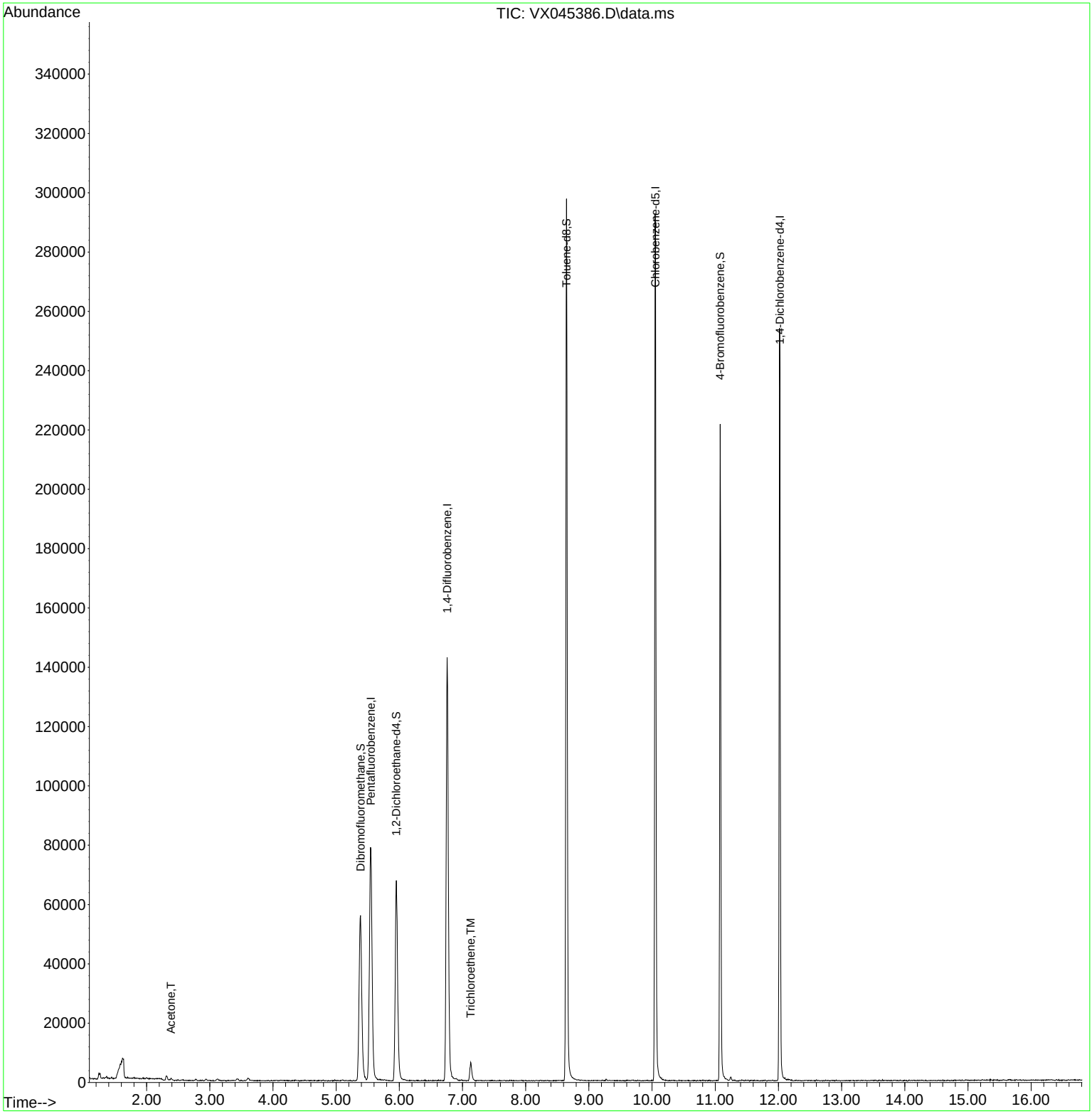
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	70002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139085	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64244	57.696	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.400%			
35) Dibromofluoromethane	5.385	113	48098	51.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.440%			
50) Toluene-d8	8.647	98	167933	49.807	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.620%			
62) 4-Bromofluorobenzene	11.079	95	56417	50.495	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.000%			
Target Compounds						Qvalue
16) Acetone	2.386	43	731	1.415	ug/l	96
44) Trichloroethene	7.129	130	2400	2.538	ug/l	90

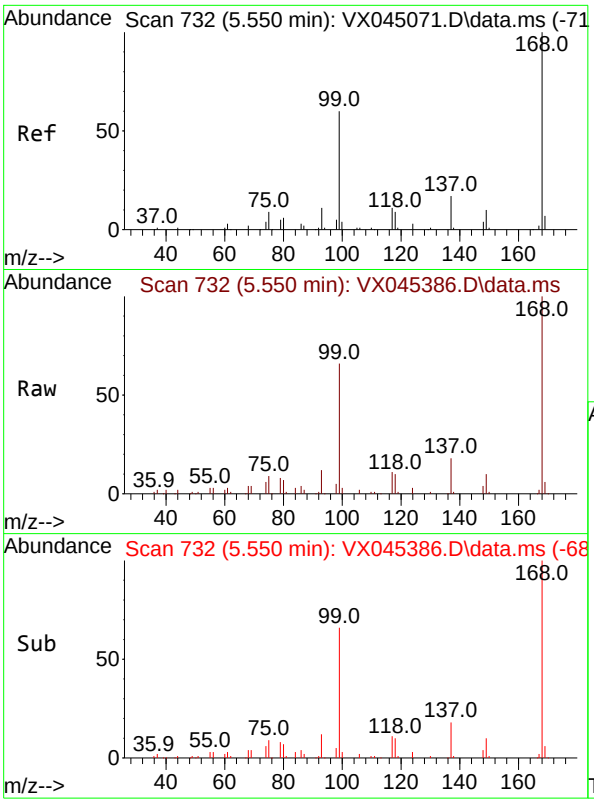
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045386.D
Acq On : 21 Mar 2025 14:28
Operator : JC/MD
Sample : Q1582-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Quant Time: Mar 21 23:15:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



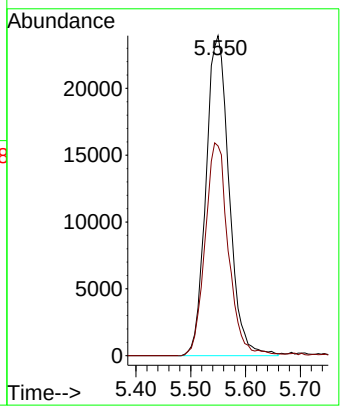


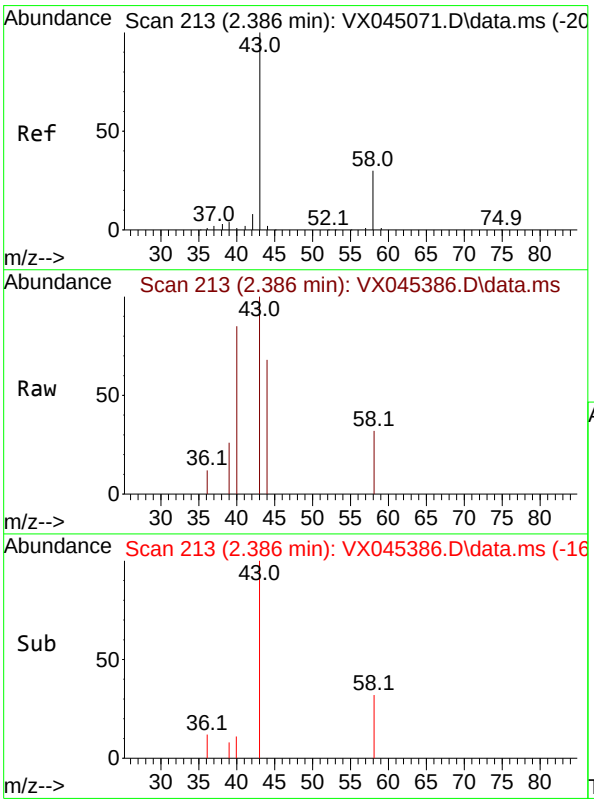
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Tgt Ion:168 Resp: 70002

Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4

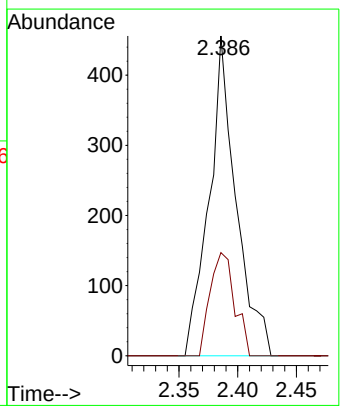


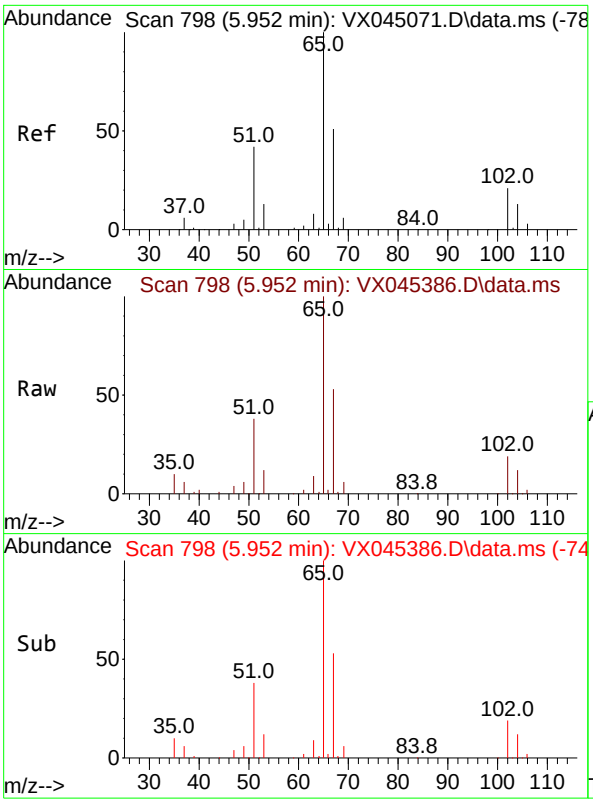


#16
Acetone
Concen: 1.415 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Tgt Ion: 43 Resp: 731

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.2	36.4



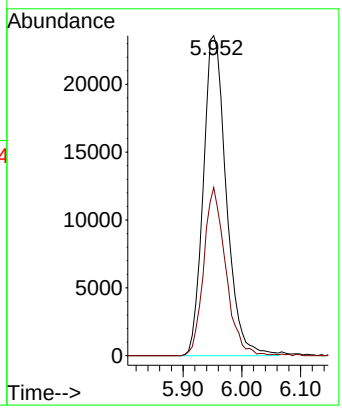


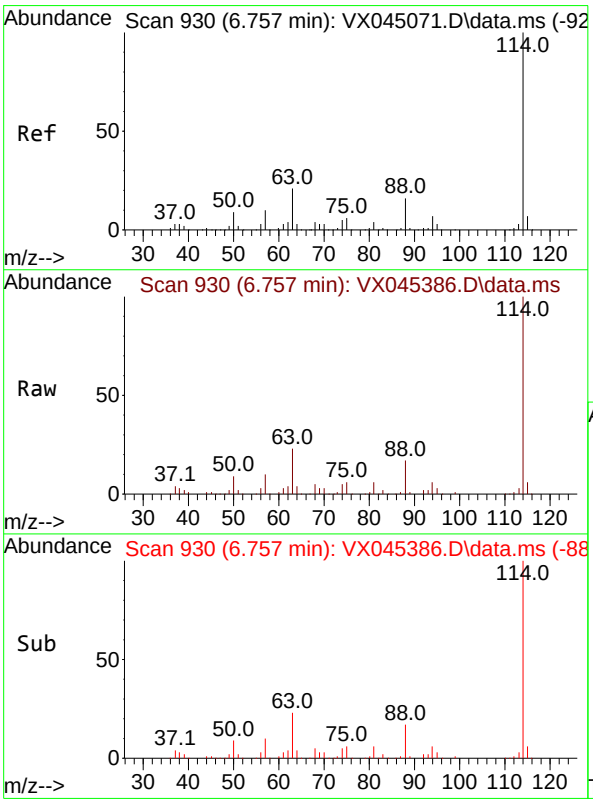
#33
1,2-Dichloroethane-d4
Concen: 57.696 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Tgt Ion: 65 Resp: 64244

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	106.2

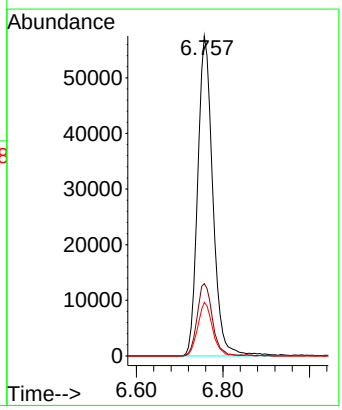


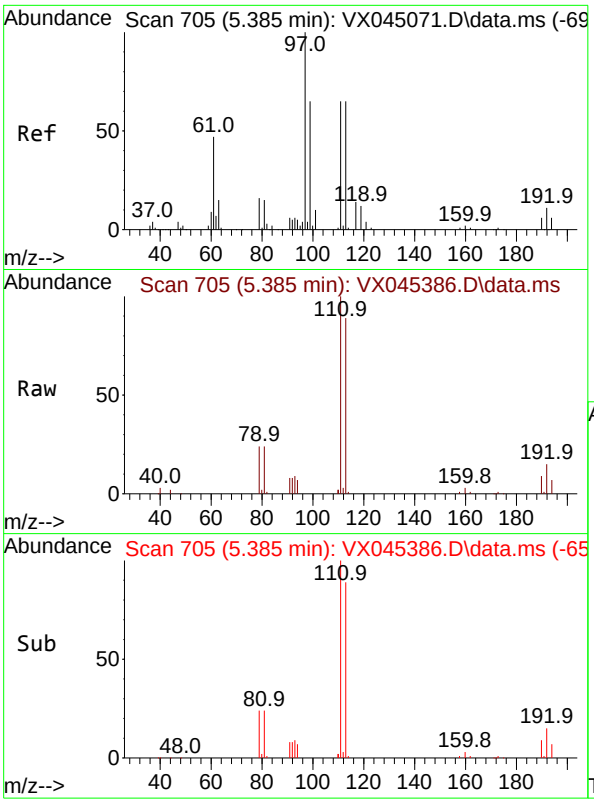


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Tgt Ion:114 Resp: 139085

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	16.7	0.0	32.8



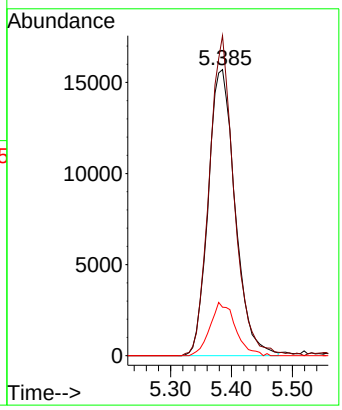


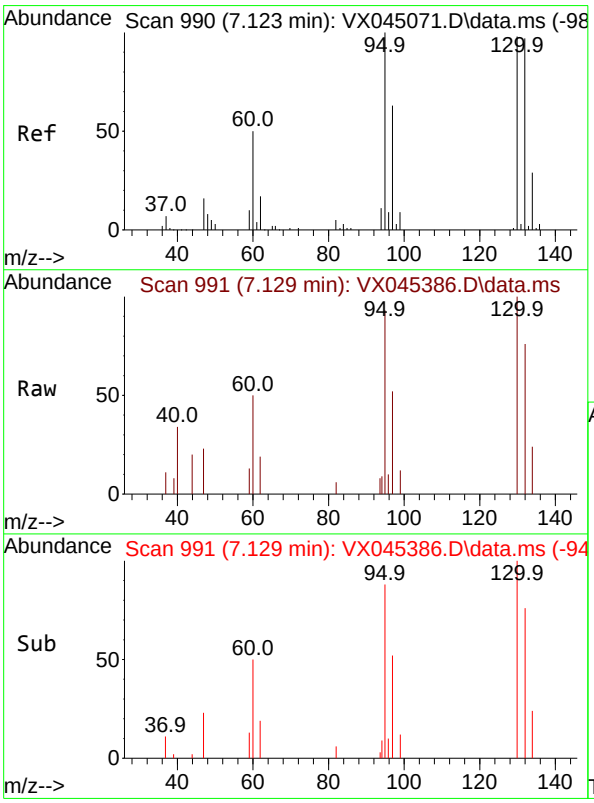
#35
Dibromofluoromethane
Concen: 51.717 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Tgt Ion:113 Resp: 48098

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.6	14.3	21.5

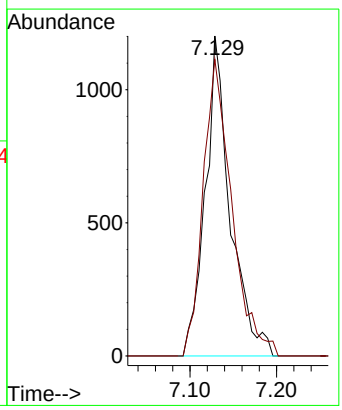


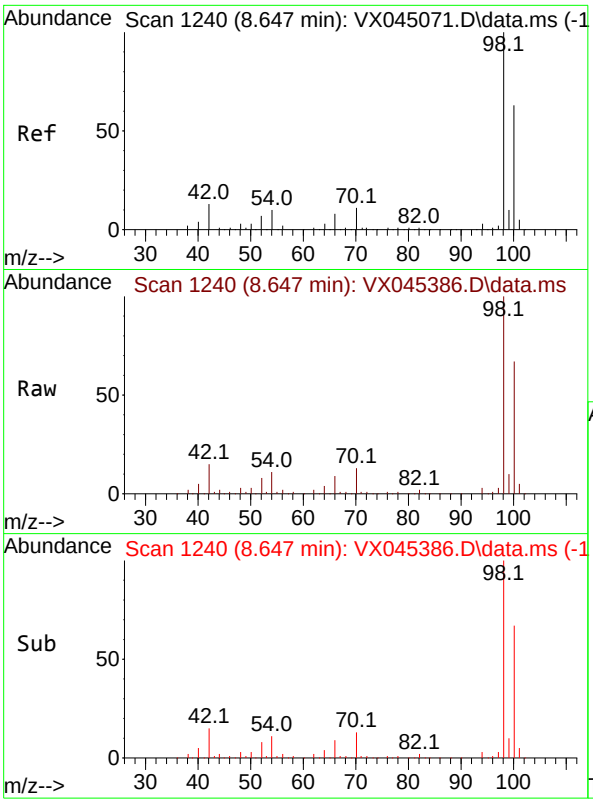


#44
Trichloroethene
Concen: 2.538 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Tgt Ion:130 Resp: 2400

Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	205.0



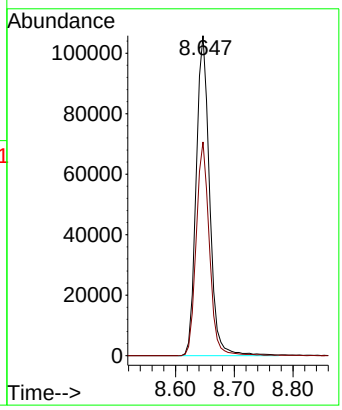


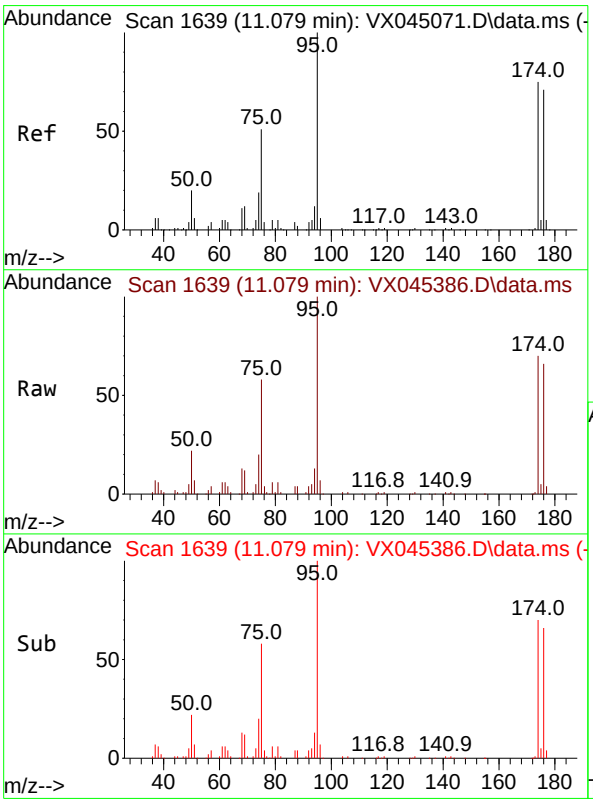
#50
Toluene-d8
Concen: 49.807 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Tgt Ion: 98 Resp: 167933

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

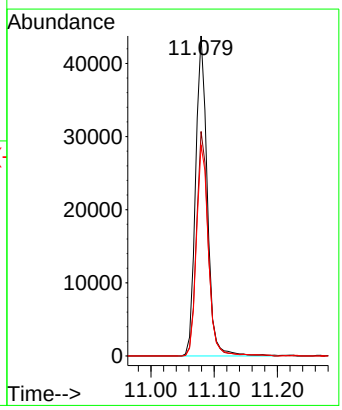


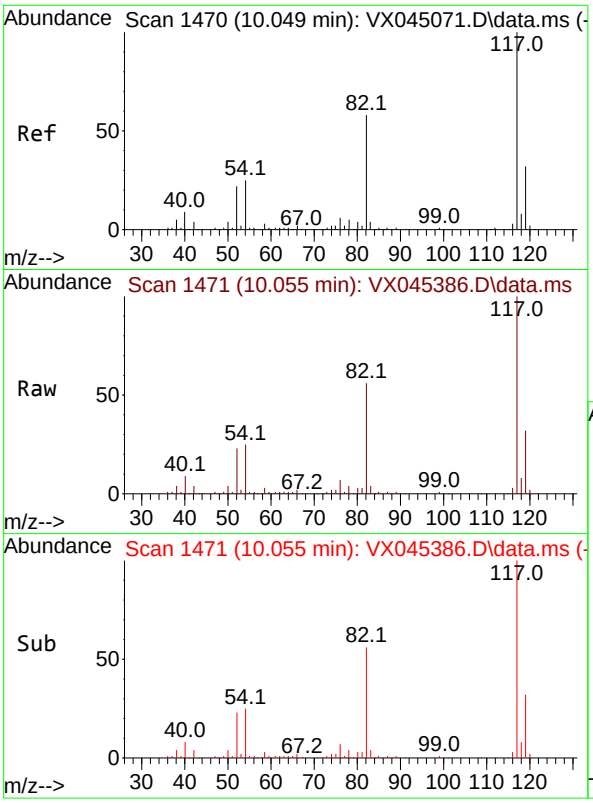


#62
4-Bromofluorobenzene
Concen: 50.495 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Tgt Ion: 95 Resp: 56417

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	67.6	0.0	141.4



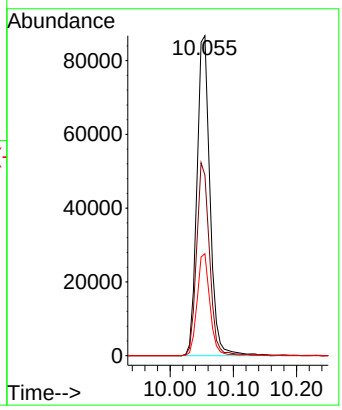


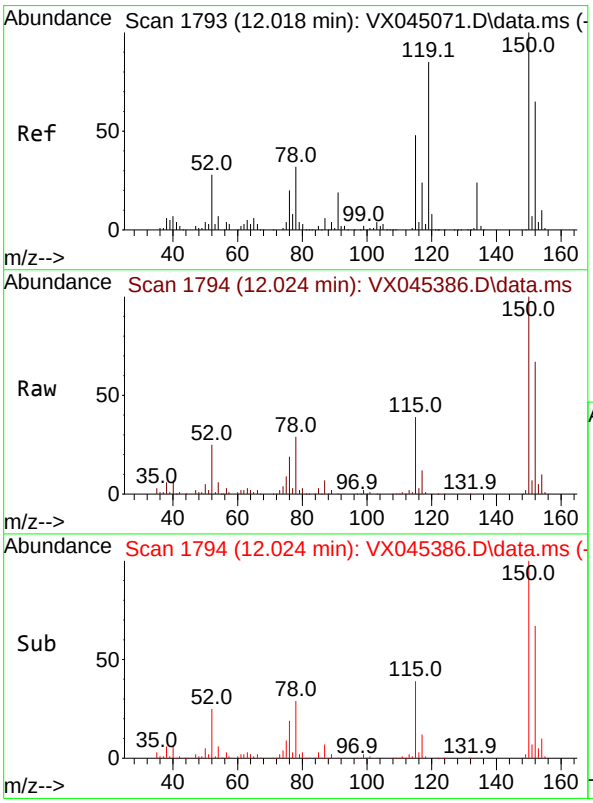
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250313

Tgt Ion:117 Resp: 124948

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	31.9	25.7	38.5

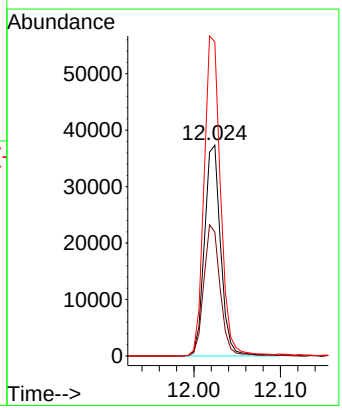




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045386.D
Acq: 21 Mar 2025 14:28

Tgt Ion:152 Resp: 48597

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	153.7	0.0	349.0



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	FB02-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-05	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045387.D	1		03/21/25 14:51	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.70		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
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	FB02-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-05	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045387.D	1		03/21/25 14:51	VX032125

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	56.1		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68500	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	47400	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	FB02-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-05	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045387.D	1		03/21/25 14:51	VX032125

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\VX032125\
Data File : VX045387.D
Acq On : 21 Mar 2025 14:51
Operator : JC/MD
Sample : Q1582-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Quant Time: Mar 21 23:16:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

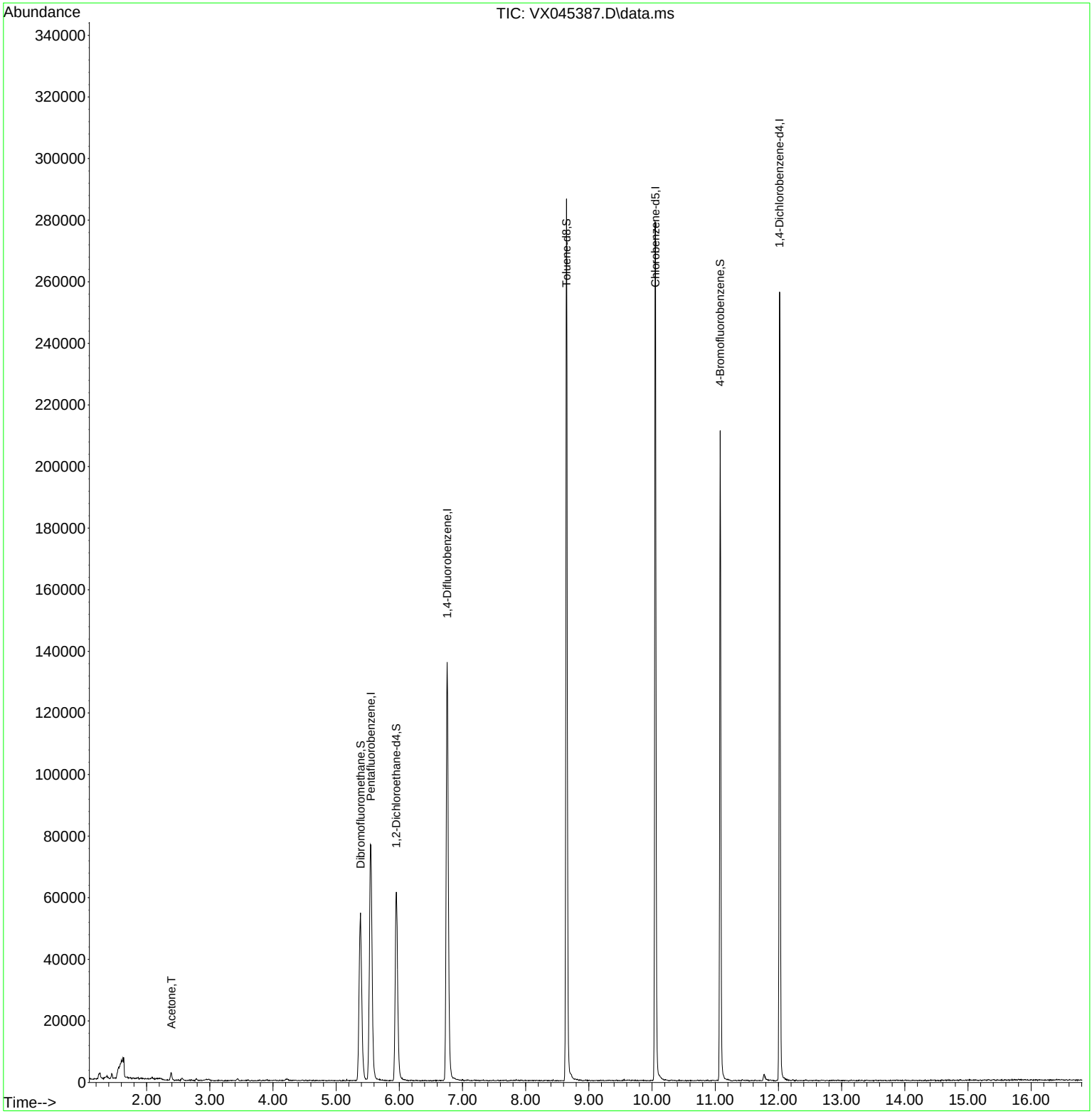
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	68479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61073	56.068	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.140%			
35) Dibromofluoromethane	5.385	113	46466	53.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	8.647	98	163370	51.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.080%			
62) 4-Bromofluorobenzene	11.079	95	54095	51.503	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.000%			
Target Compounds						Qvalue
16) Acetone	2.392	43	2878	5.695	ug/l #	83

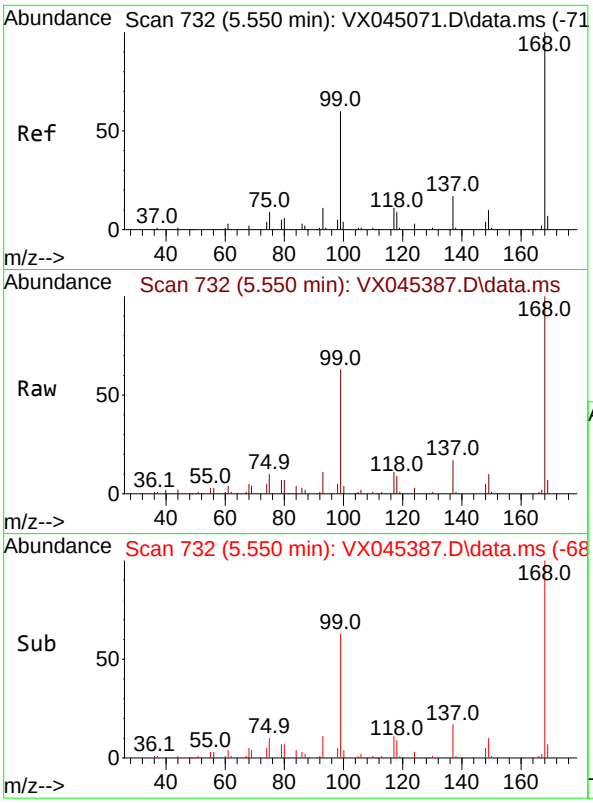
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045387.D
Acq On : 21 Mar 2025 14:51
Operator : JC/MD
Sample : Q1582-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Quant Time: Mar 21 23:16:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



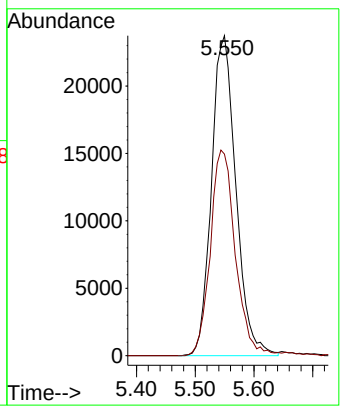


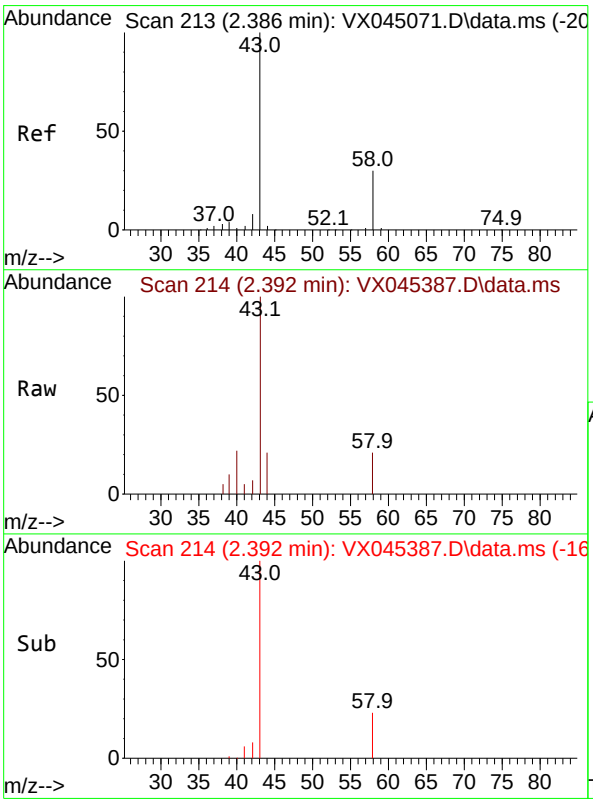
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Tgt Ion:168 Resp: 68479

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.2	72.4

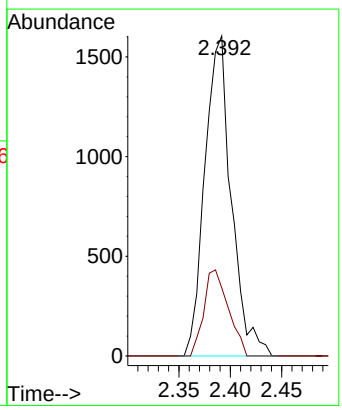


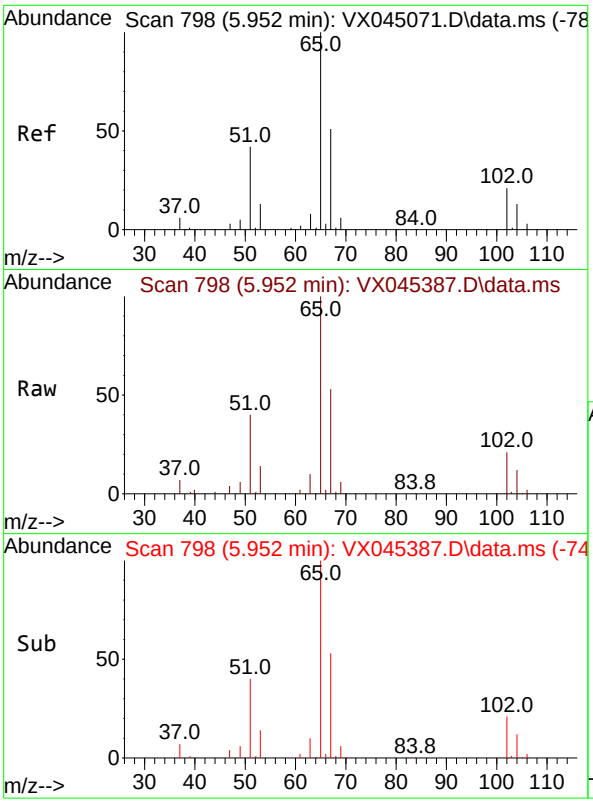


#16
Acetone
Concen: 5.695 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion: 43 Resp: 2878

Ion	Ratio	Lower	Upper
43	100		
58	21.3	24.2	36.4#



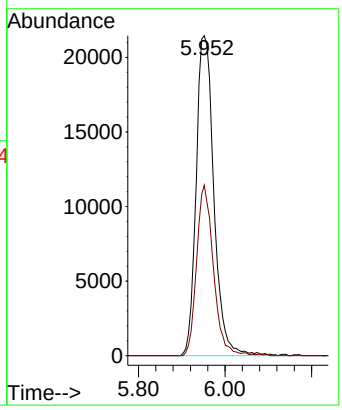


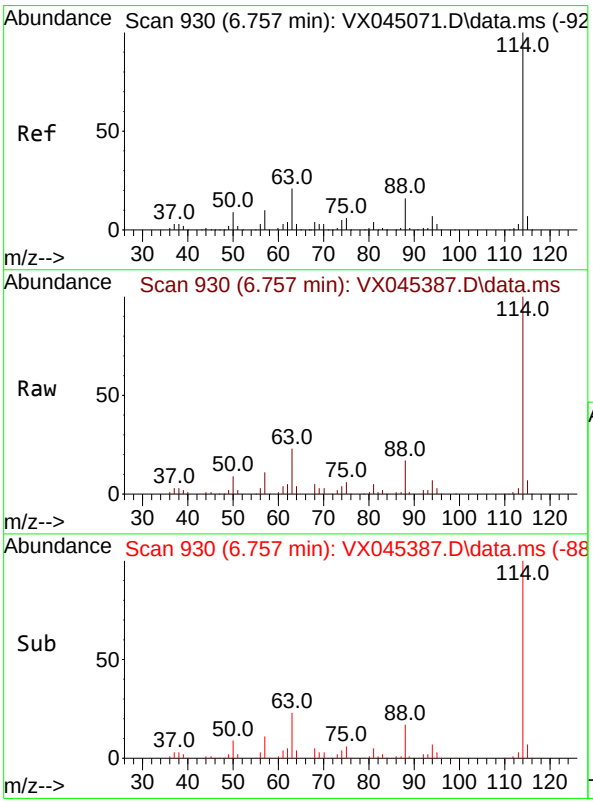
#33
1,2-Dichloroethane-d4
Concen: 56.068 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Tgt Ion: 65 Resp: 61073

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2

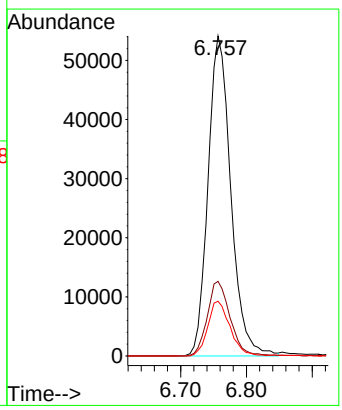


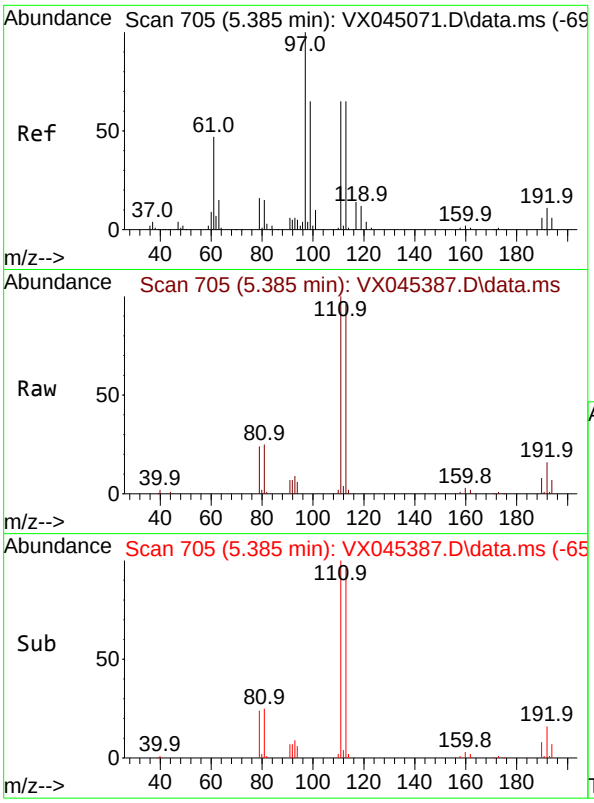


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion:114 Resp: 130752

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	17.1	0.0	32.8



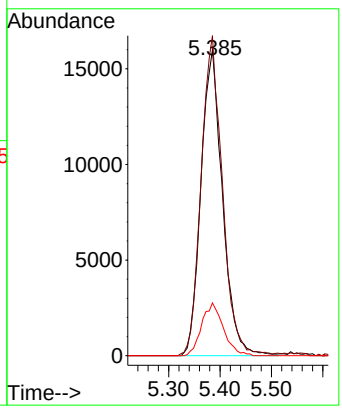


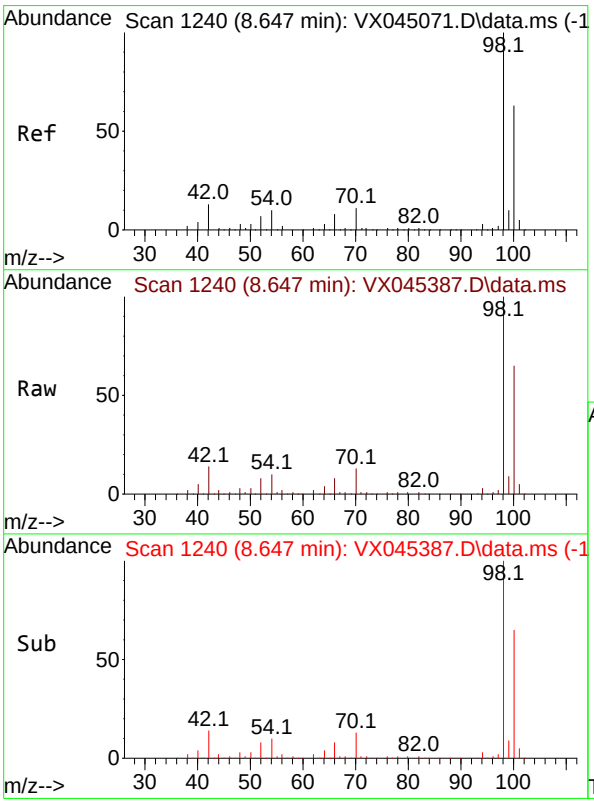
#35
Dibromofluoromethane
Concen: 53.146 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Tgt Ion:113 Resp: 46466

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.4	14.3	21.5

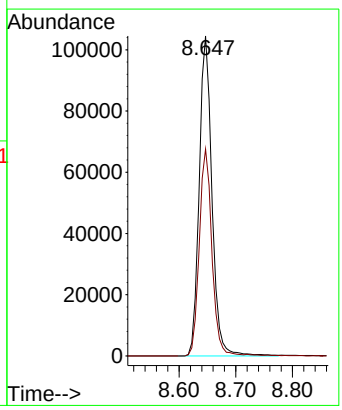


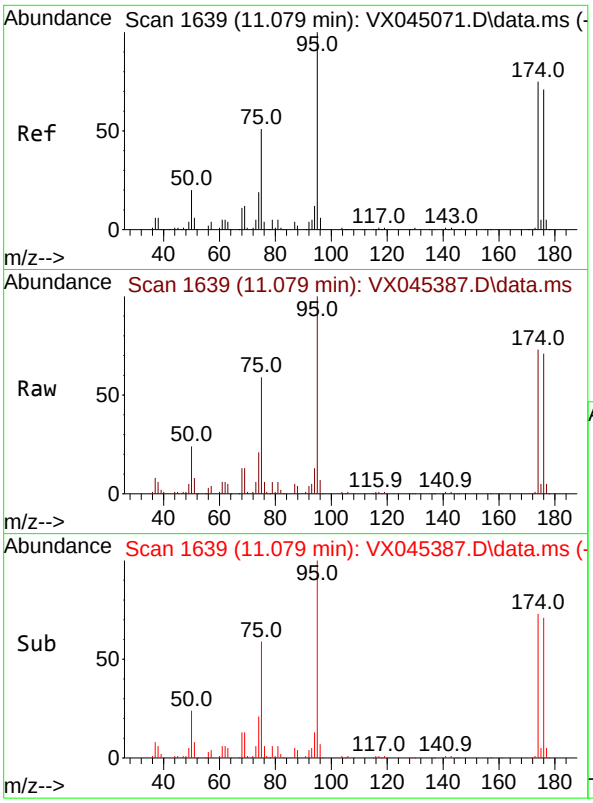


#50
Toluene-d8
Concen: 51.542 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion: 98 Resp: 163370

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0



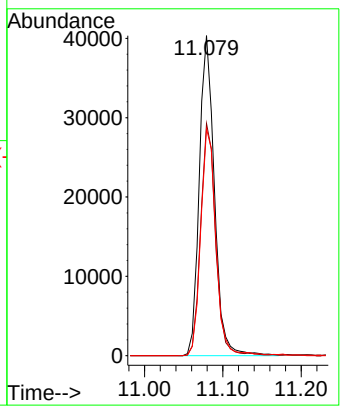


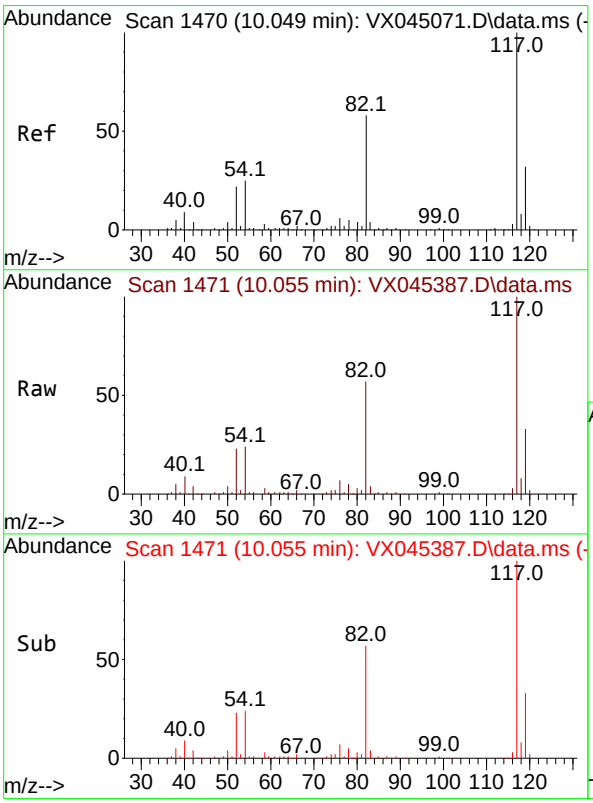
#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Tgt Ion: 95 Resp: 54095

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	148.2
176	71.0	0.0	141.4

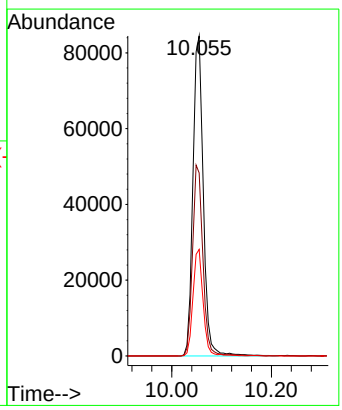


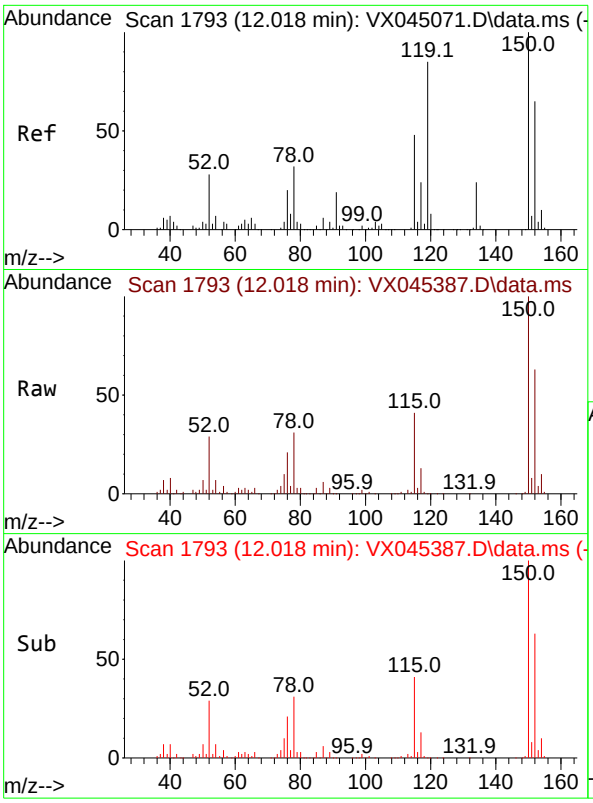


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Tgt Ion:117 Resp: 122006

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.3	69.5
119	33.3	25.7	38.5



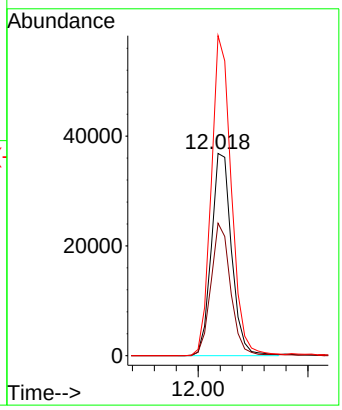


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045387.D
Acq: 21 Mar 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
FB02-20250313

Tgt Ion:152 Resp: 47392

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.2	132.6
150	156.5	0.0	349.0



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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-06	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045366.D	1		03/20/25 17:09	VX032025

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	3.90		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	2.50	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	1.20		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	4.20		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	1.80		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	260	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-06	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045366.D	1		03/20/25 17:09	VX032025

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	19.5		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	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64500	5.544				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	111000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	42800	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-06	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045366.D	1		03/20/25 17:09	VX032025

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\VX032025\
Data File : VX045366.D
Acq On : 20 Mar 2025 17:09
Operator : JC/MD
Sample : Q1582-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Quant Time: Mar 21 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

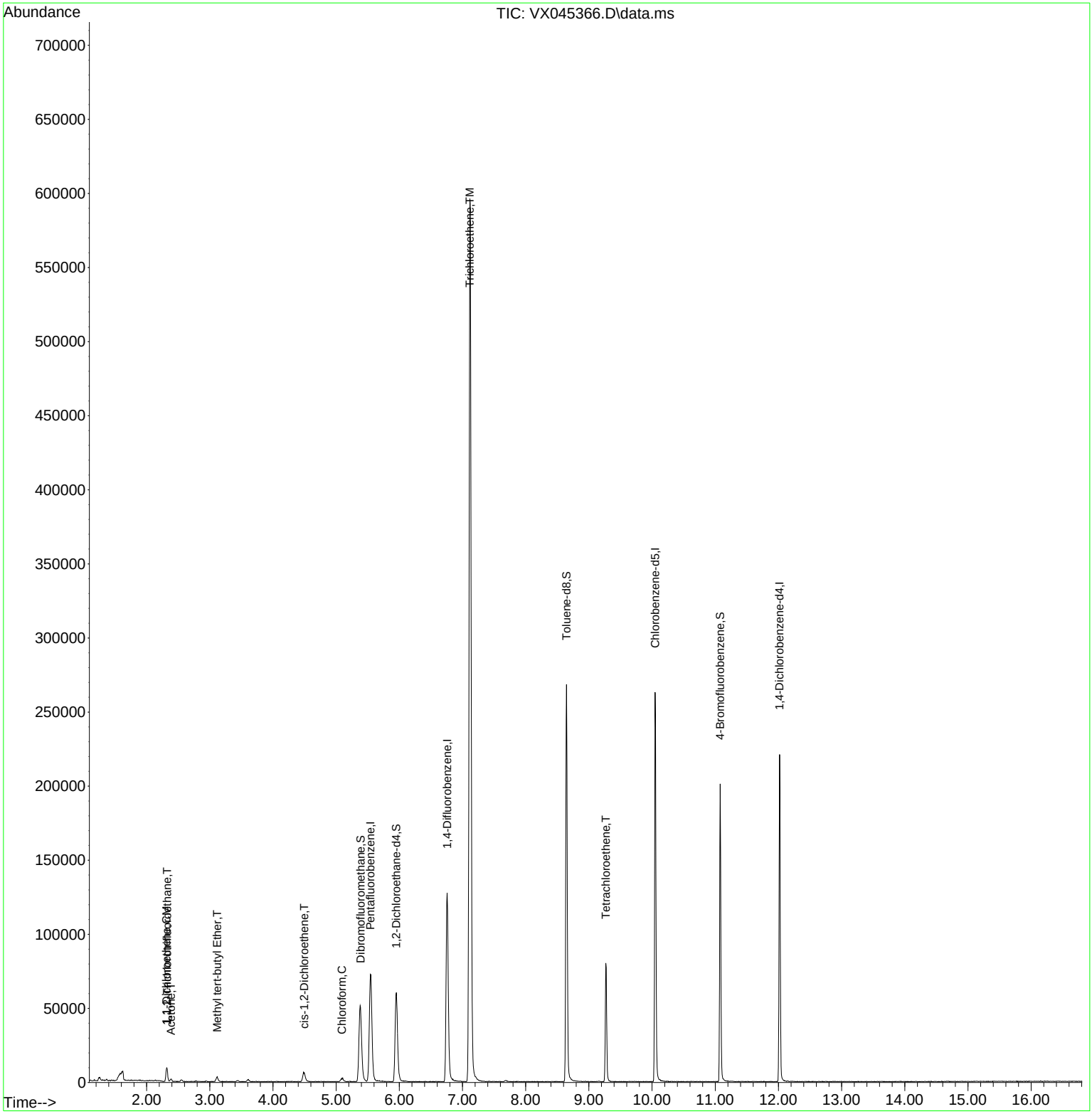
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	110827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	42757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57787	56.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.680%			
35) Dibromofluoromethane	5.385	113	44900	52.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.900%			
50) Toluene-d8	8.647	98	156689	50.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	50345	49.424	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.840%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	2959	3.948	ug/l	98
12) 1,1-Dichloroethene	2.313	96	874	1.103	ug/l	92
16) Acetone	2.386	43	1171	2.461	ug/l #	79
19) Methyl tert-butyl Ether	3.117	73	3091	1.163	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	4096	4.239	ug/l	97
30) Chloroform	5.093	83	2813	1.761	ug/l	85
44) Trichloroethene	7.117	130	221917	257.381	ug/l	99
64) Tetrachloroethene	9.269	164	13870	19.541	ug/l	95

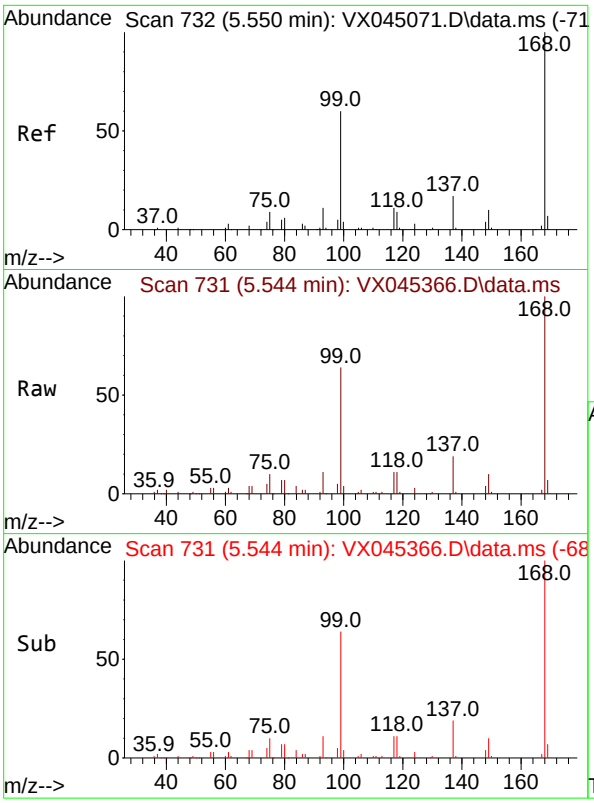
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045366.D
Acq On : 20 Mar 2025 17:09
Operator : JC/MD
Sample : Q1582-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Quant Time: Mar 21 01:51:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



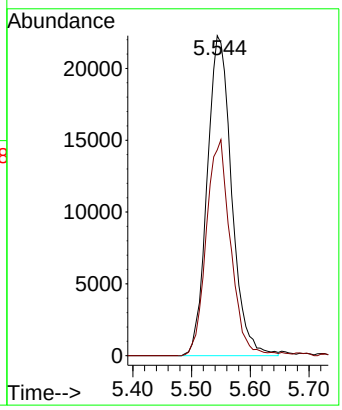


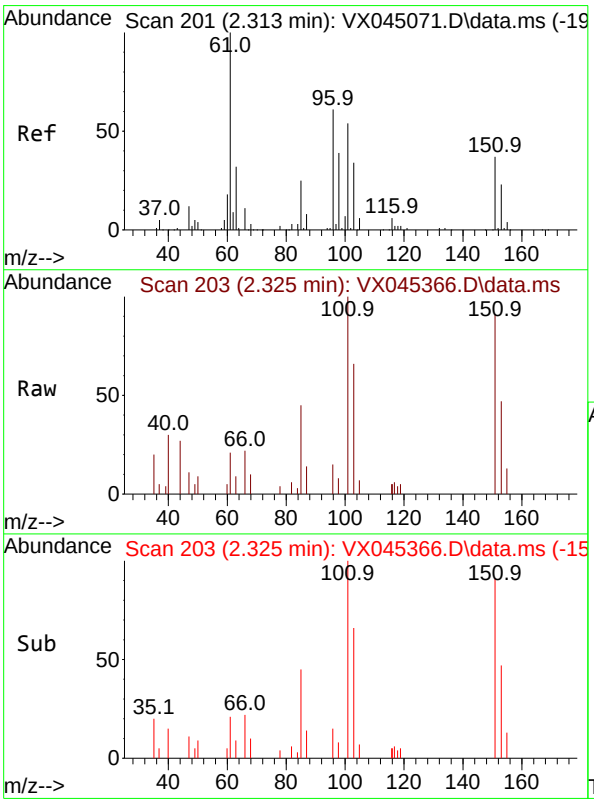
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion:168 Resp: 64486

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.2	72.4

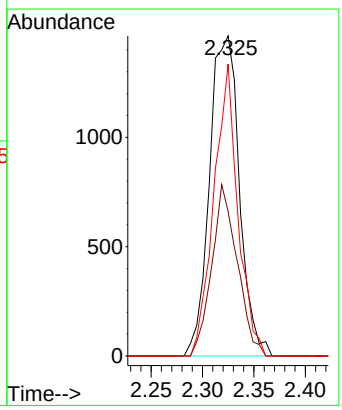


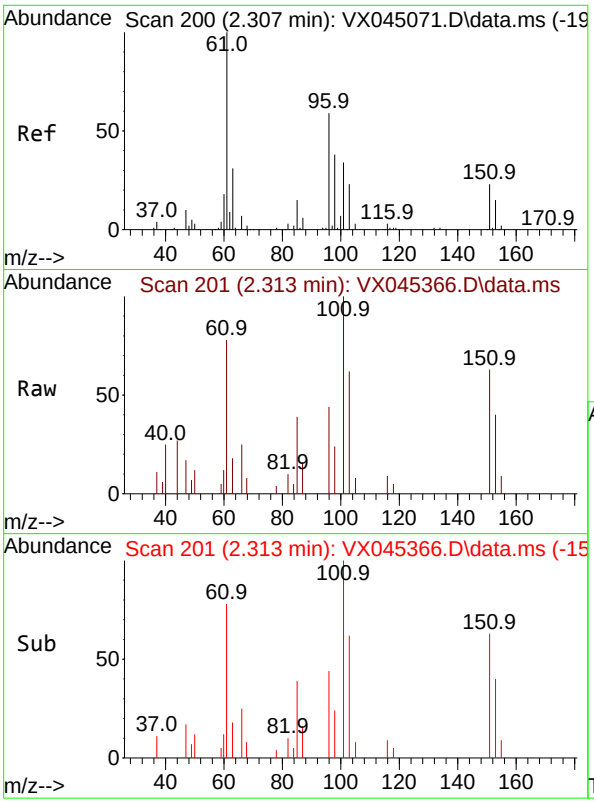


#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.948 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion:101 Resp: 2959

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	73.3	56.4	84.6



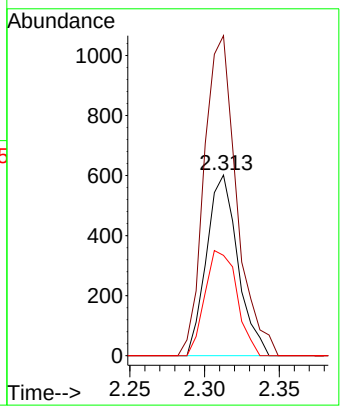


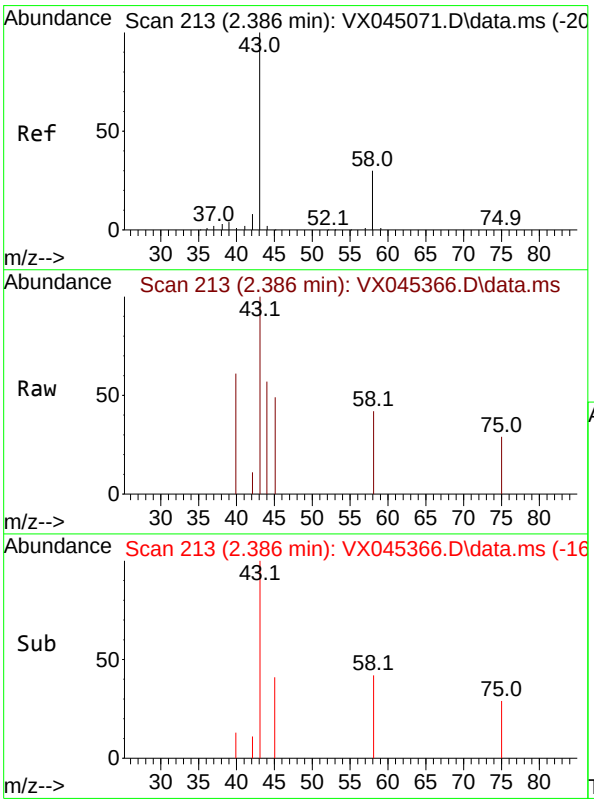
#12
1,1-Dichloroethene
Concen: 1.103 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion: 96 Resp: 874

Ion	Ratio	Lower	Upper
96	100		
61	177.1	134.6	202.0
98	55.5	51.0	76.6

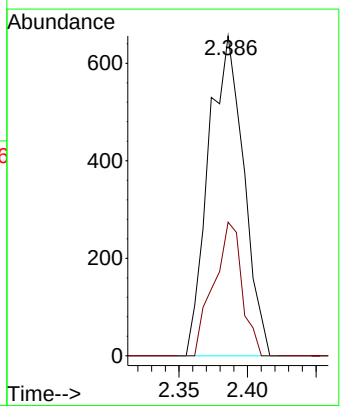


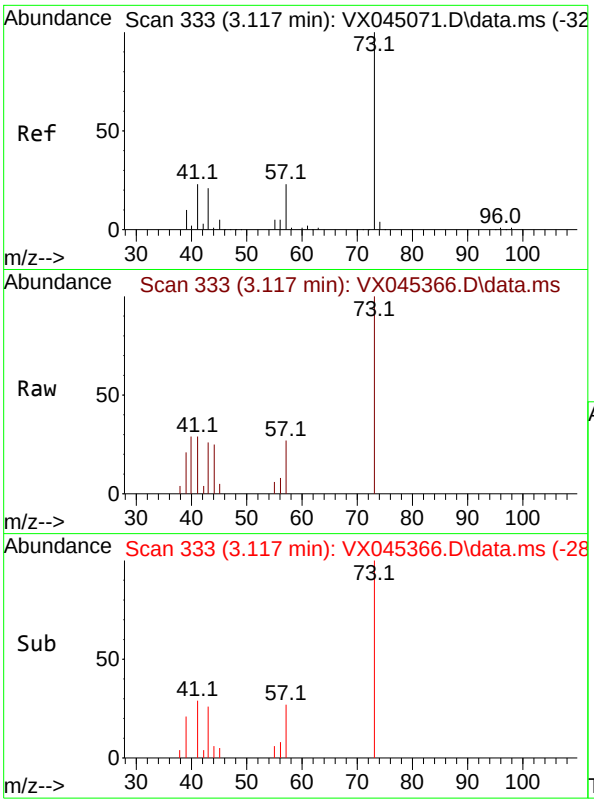


#16
Acetone
Concen: 2.461 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion: 43 Resp: 1171

Ion	Ratio	Lower	Upper
43	100		
58	41.8	24.2	36.4#



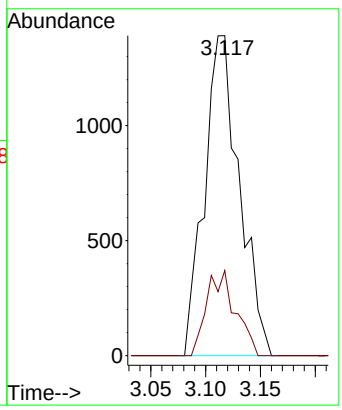


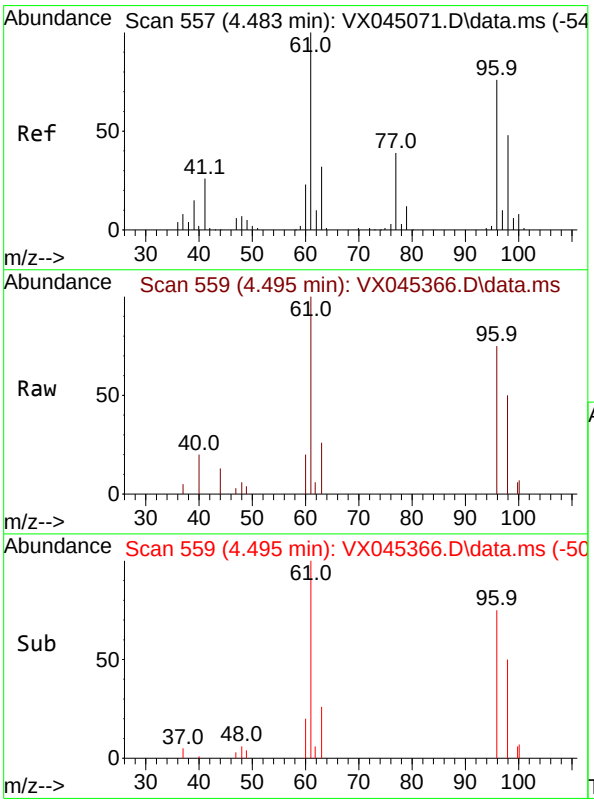
#19
Methyl tert-butyl Ether
Concen: 1.163 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion: 73 Resp: 3091

Ion	Ratio	Lower	Upper
73	100		
57	26.6	18.5	27.7

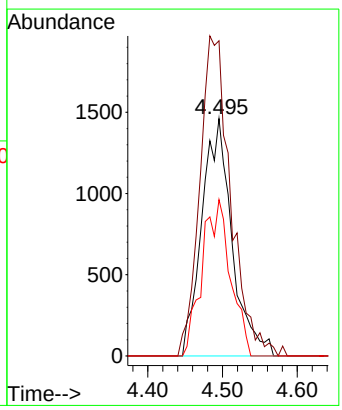


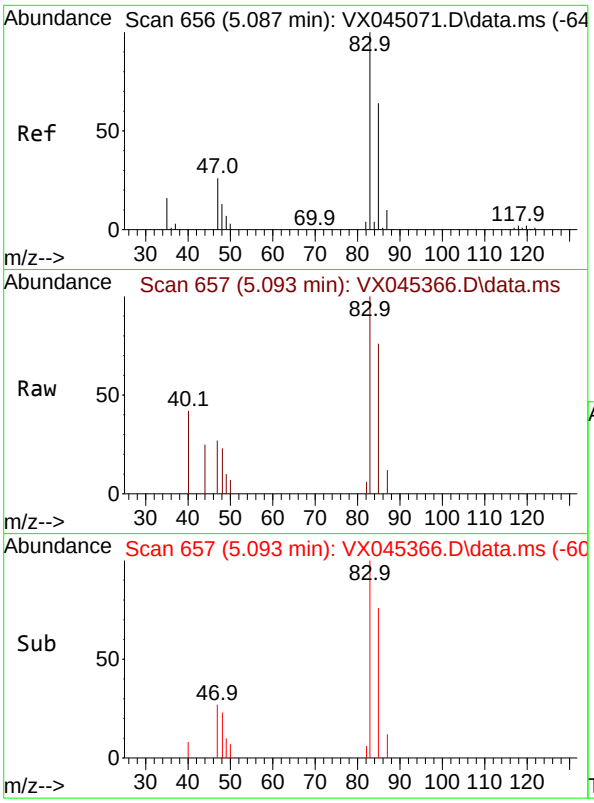


#27
cis-1,2-Dichloroethene
Concen: 4.239 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion: 96 Resp: 4096

Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	283.2
98	62.0	0.0	128.0



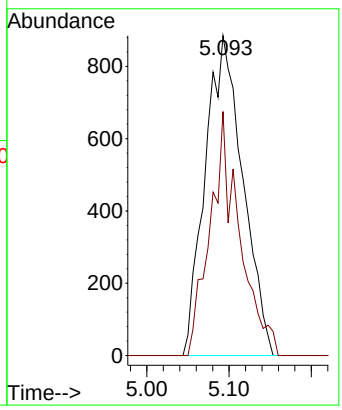


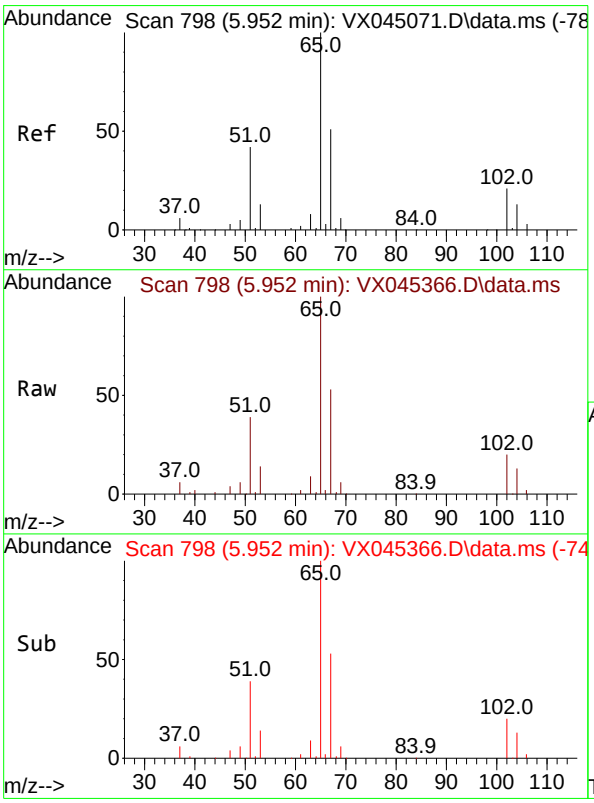
#30
Chloroform
Concen: 1.761 ug/l
RT: 5.093 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion: 83 Resp: 2813

Ion	Ratio	Lower	Upper
83	100		
85	76.3	51.4	77.2

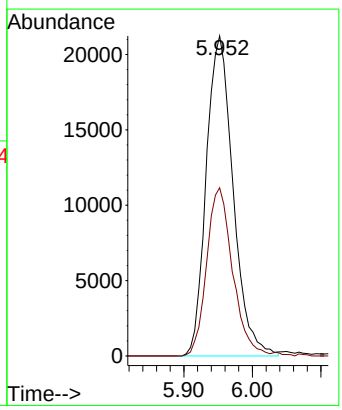


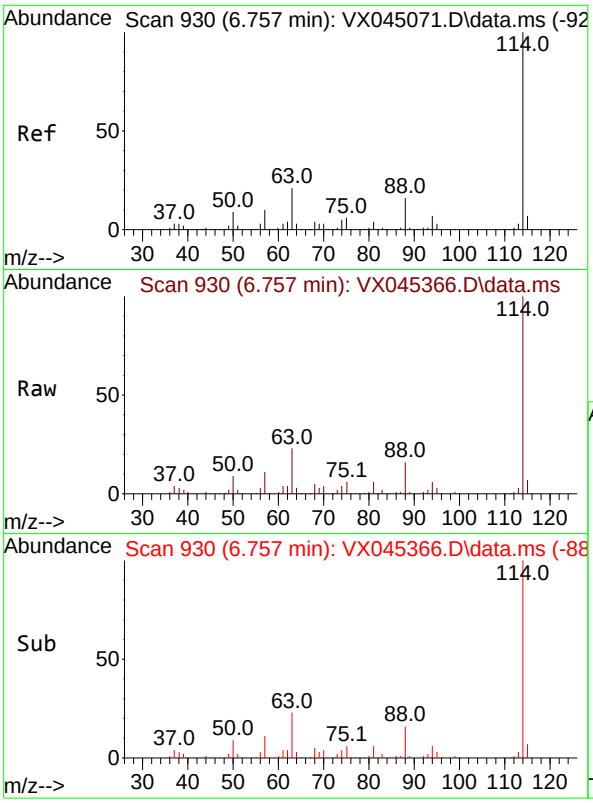


#33
1,2-Dichloroethane-d4
Concen: 56.337 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion: 65 Resp: 57787

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



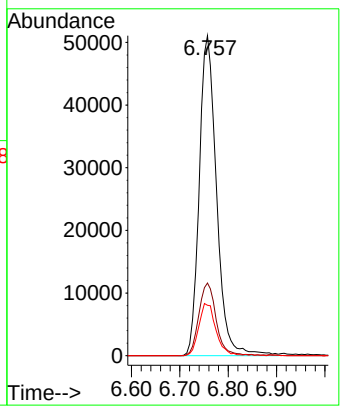


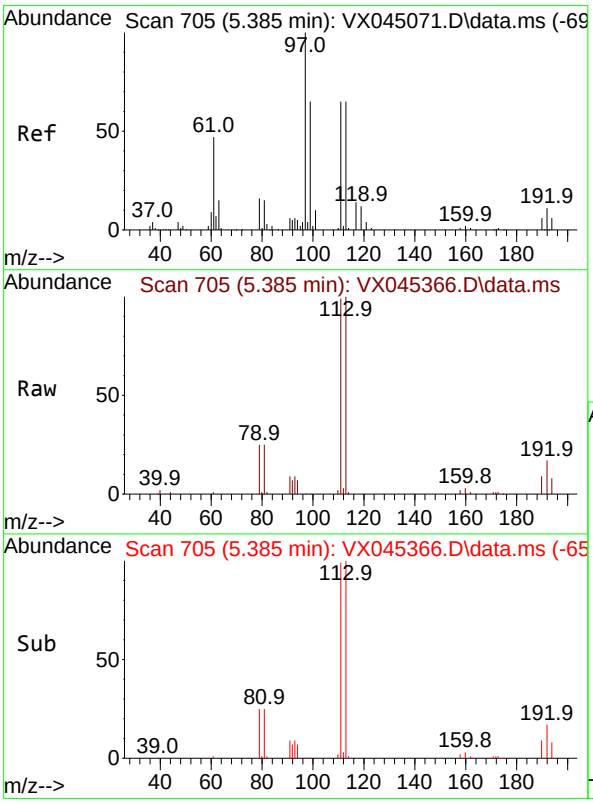
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion:114 Resp: 126806

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	15.8	0.0	32.8

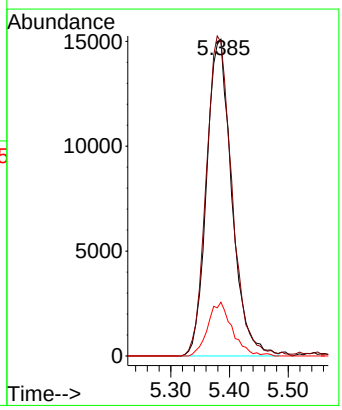


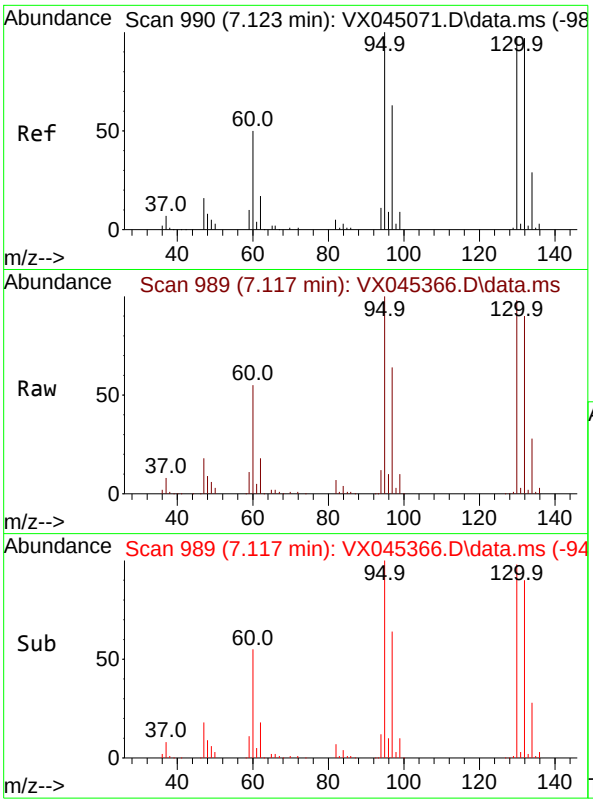


#35
Dibromofluoromethane
Concen: 52.953 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion:113 Resp: 44900

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	16.5	14.3	21.5



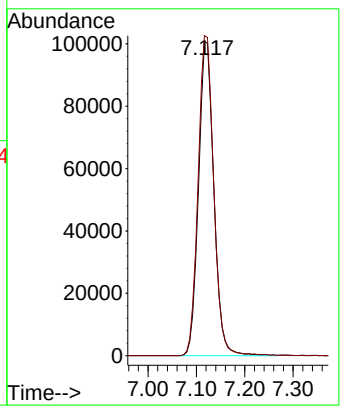


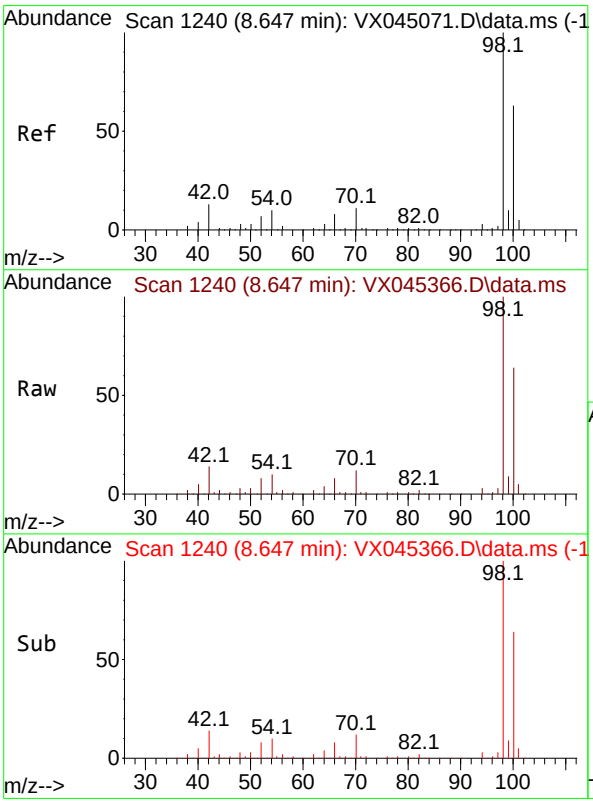
#44
Trichloroethene
Concen: 257.381 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion:130 Resp: 221917

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	205.0

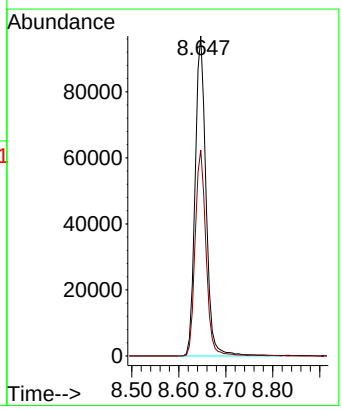


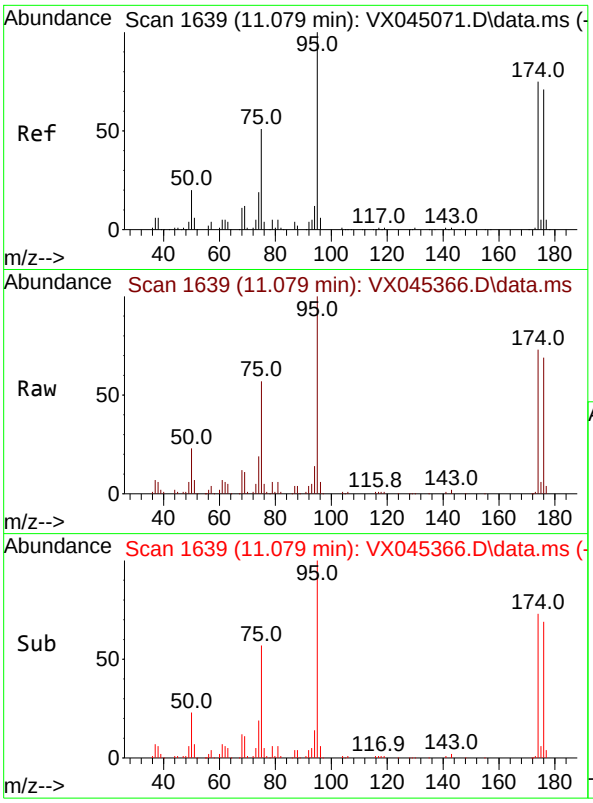


#50
Toluene-d8
Concen: 50.972 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion: 98 Resp: 156689

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0



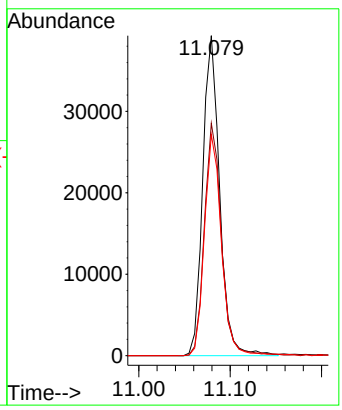


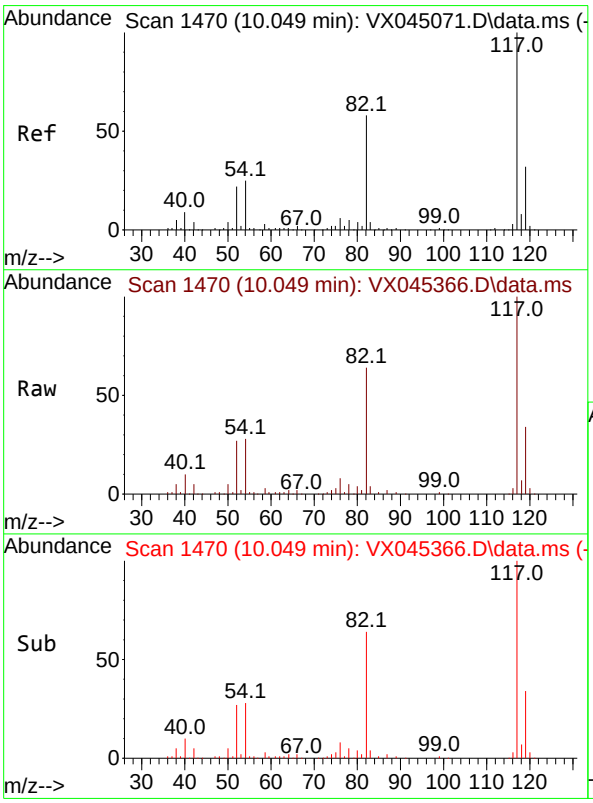
#62
4-Bromofluorobenzene
Concen: 49.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion: 95 Resp: 50345

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	70.0	0.0	141.4

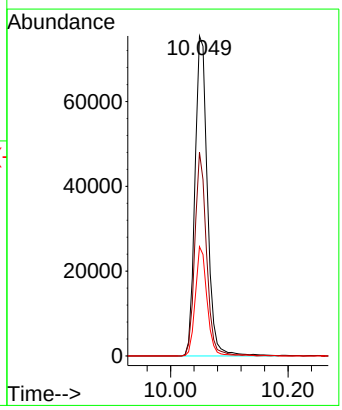


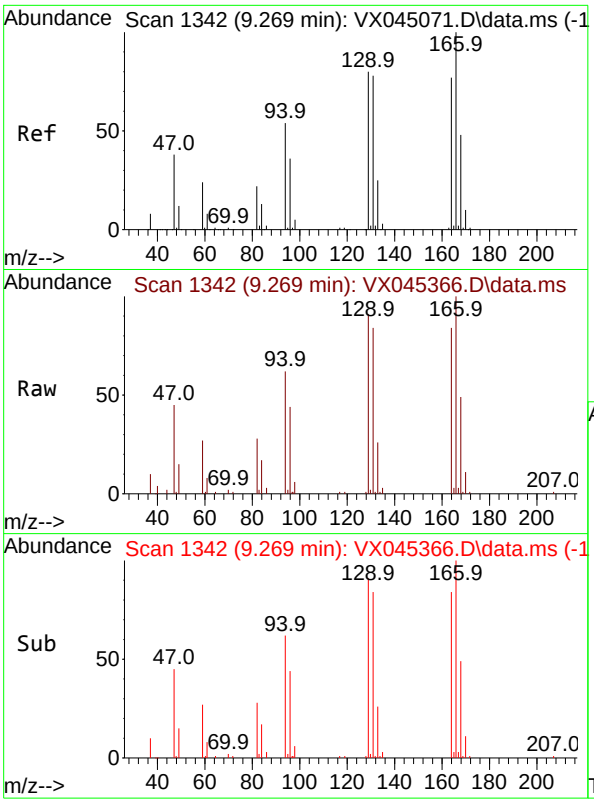


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion:117 Resp: 110827

Ion	Ratio	Lower	Upper
117	100		
82	63.6	46.3	69.5
119	34.2	25.7	38.5



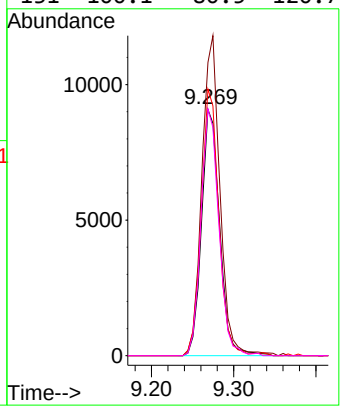


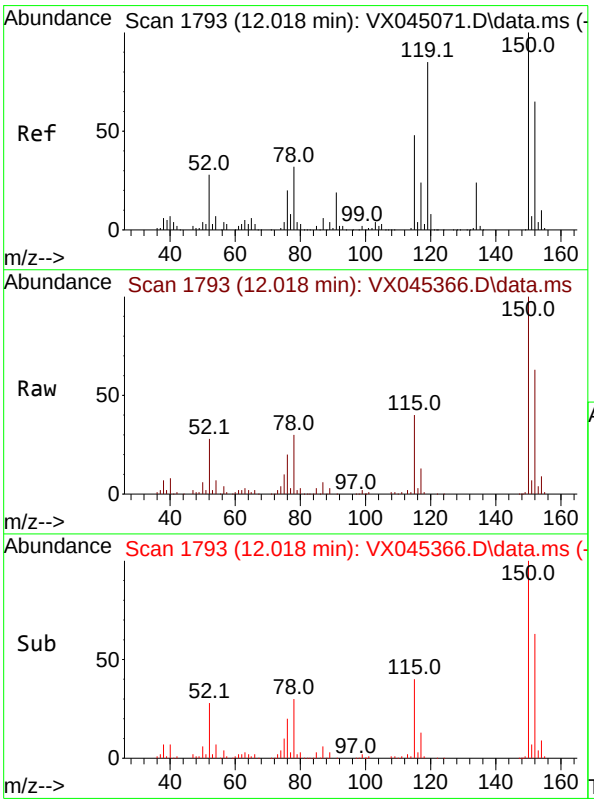
#64
Tetrachloroethene
Concen: 19.541 ug/l
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313

Tgt Ion:164 Resp: 13870

Ion	Ratio	Lower	Upper
164	100		
166	119.1	103.6	155.4
129	108.2	82.7	124.1
131	100.1	80.5	120.7

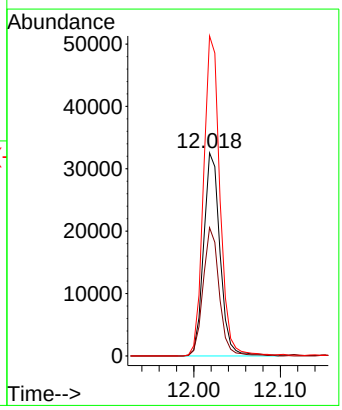




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045366.D
Acq: 20 Mar 2025 17:09

Tgt Ion:152 Resp: 42757

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.2	132.6
150	157.4	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-06DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045381.D	5		03/21/25 12:31	VX032125

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	210	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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-06DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045381.D	5		03/21/25 12:31	VX032125

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	15.3	D	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	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70300	5.549				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	52400	12.024				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-06DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045381.D	5		03/21/25 12:31	VX032125

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\VX032125\
Data File : VX045381.D
Acq On : 21 Mar 2025 12:31
Operator : JC/MD
Sample : Q1582-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Quant Time: Mar 21 23:13:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

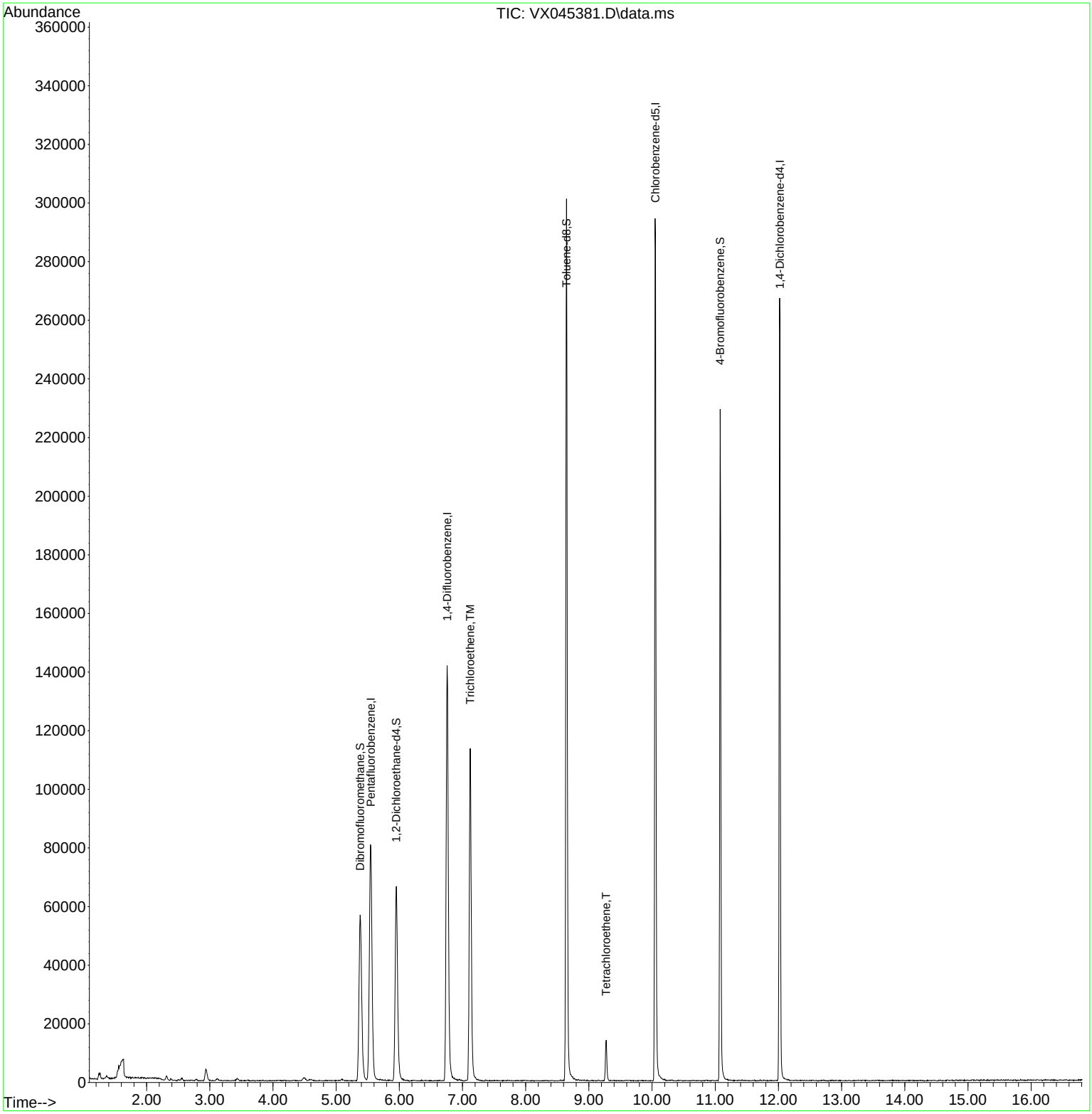
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	70298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138928	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64047	57.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.560%			
35) Dibromofluoromethane	5.379	113	49958	53.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.560%			
50) Toluene-d8	8.646	98	168731	50.100	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.200%			
62) 4-Bromofluorobenzene	11.079	95	58561	52.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.940%			
Target Compounds						Qvalue
44) Trichloroethene	7.122	130	40486	42.859	ug/l	95
64) Tetrachloroethene	9.274	164	2468	3.060	ug/l	85

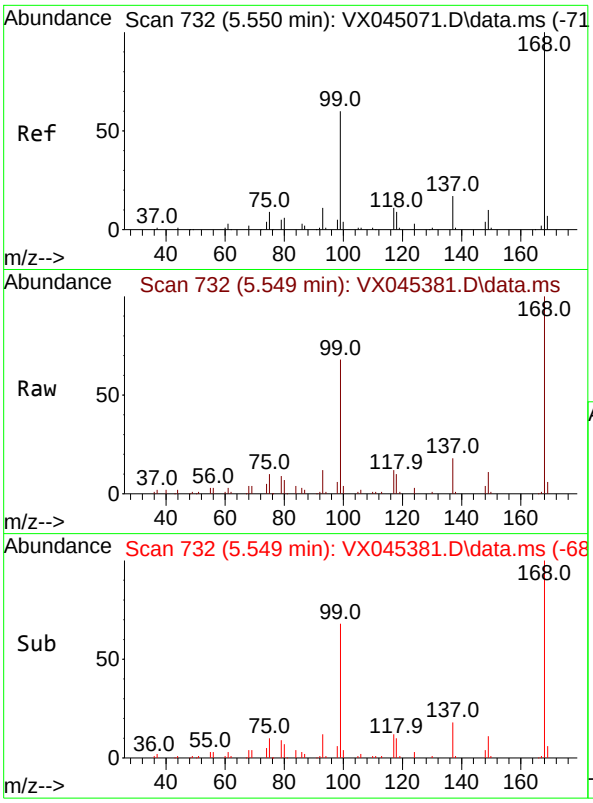
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045381.D
Acq On : 21 Mar 2025 12:31
Operator : JC/MD
Sample : Q1582-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Quant Time: Mar 21 23:13:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



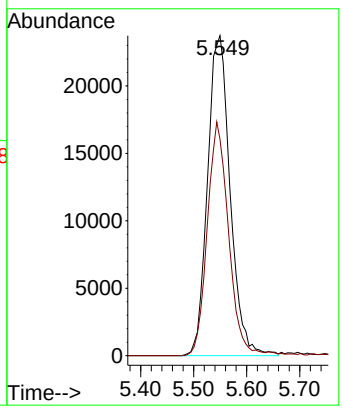


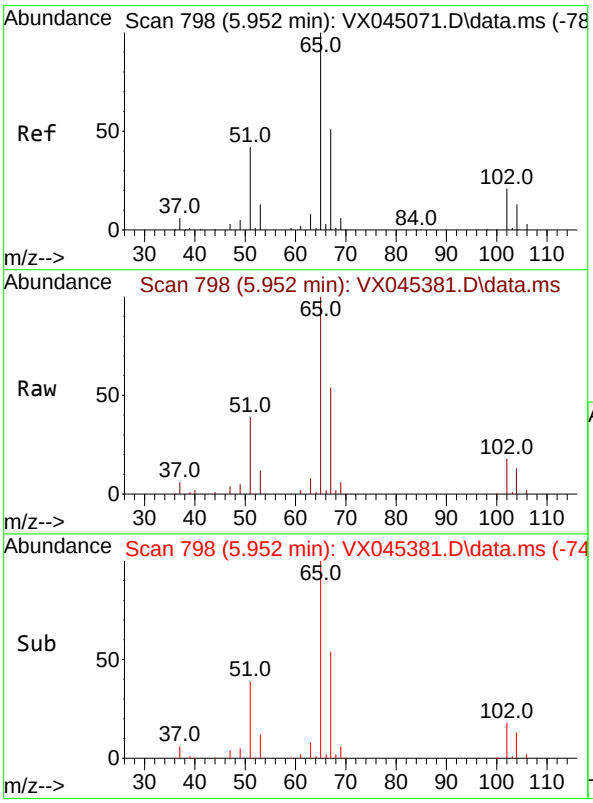
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Tgt Ion:168 Resp: 70298

Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.4

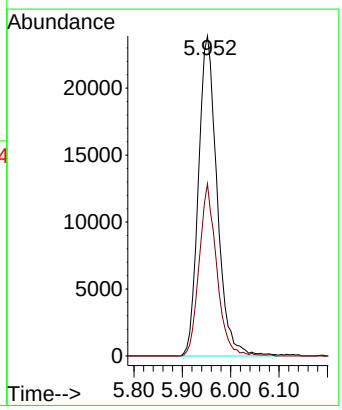


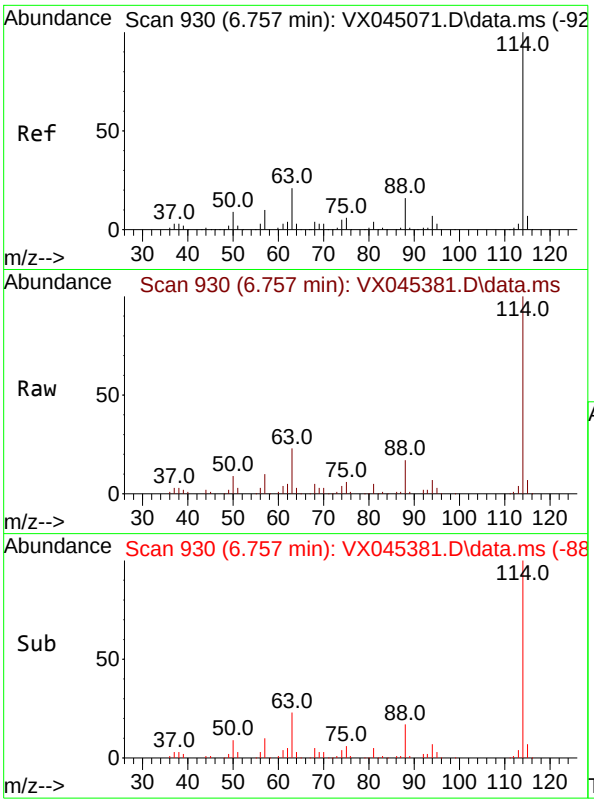


#33
1,2-Dichloroethane-d4
Concen: 57.277 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Tgt Ion: 65 Resp: 64047

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



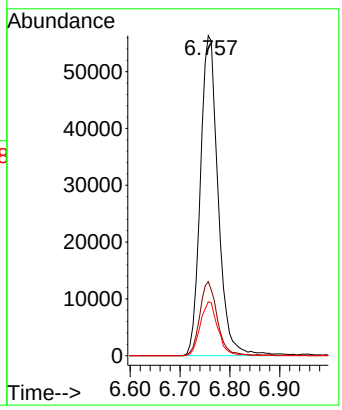


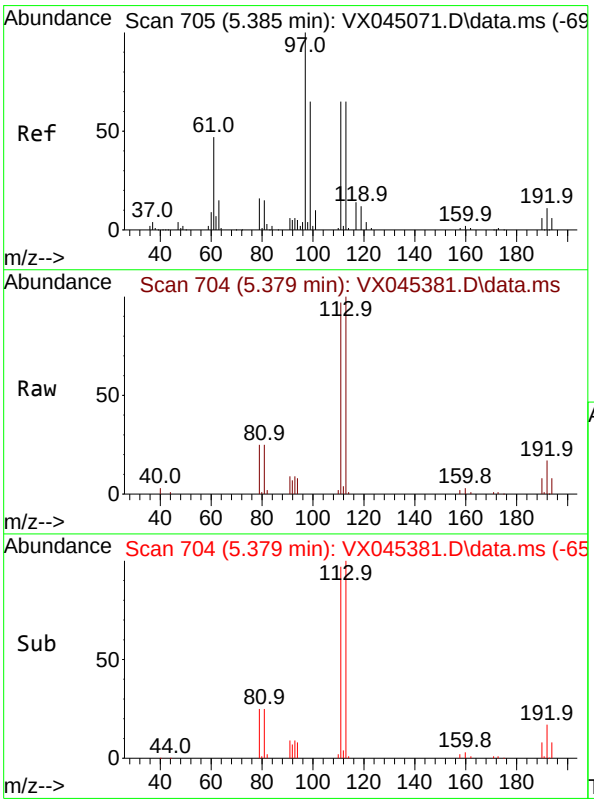
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Tgt Ion:114 Resp: 138928

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.8	0.0	32.8

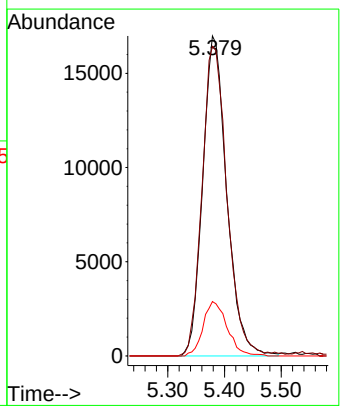


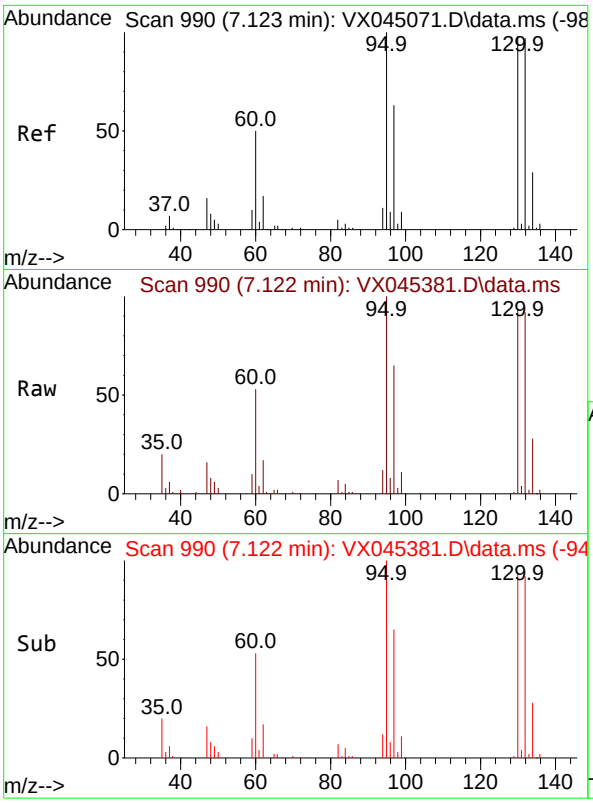


#35
Dibromofluoromethane
Concen: 53.778 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Tgt Ion:113 Resp: 49958

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.6
192	17.0	14.3	21.5



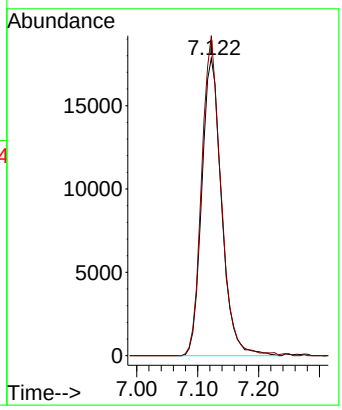


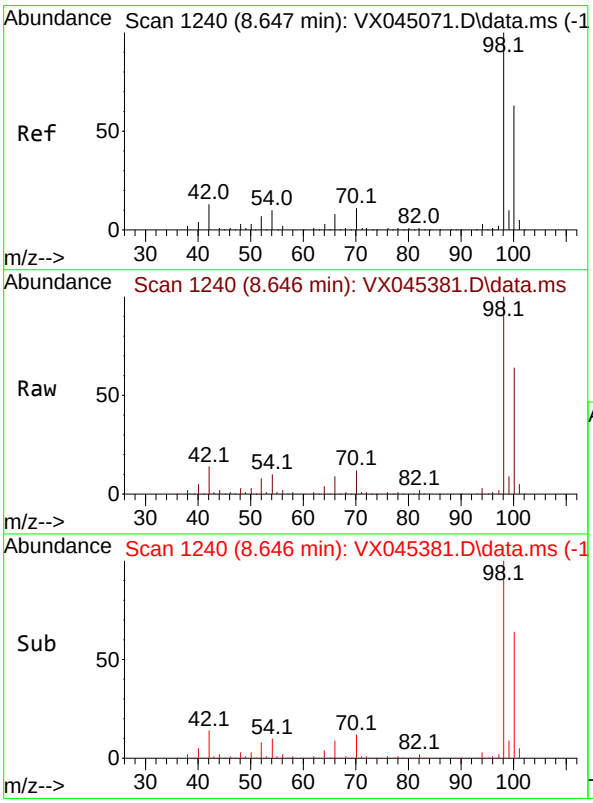
#44
Trichloroethene
Concen: 42.859 ug/l
RT: 7.122 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Tgt Ion:130 Resp: 40486

Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	205.0

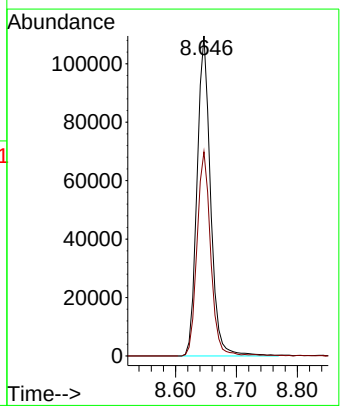


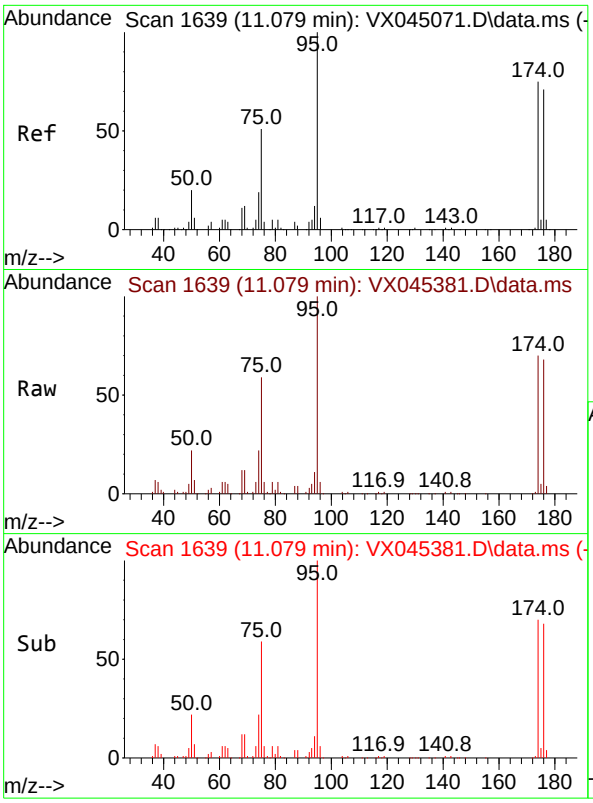


#50
Toluene-d8
Concen: 50.100 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Tgt Ion: 98 Resp: 168731

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0



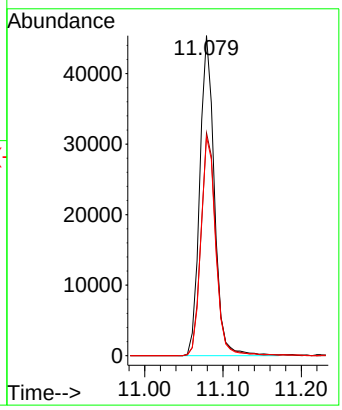


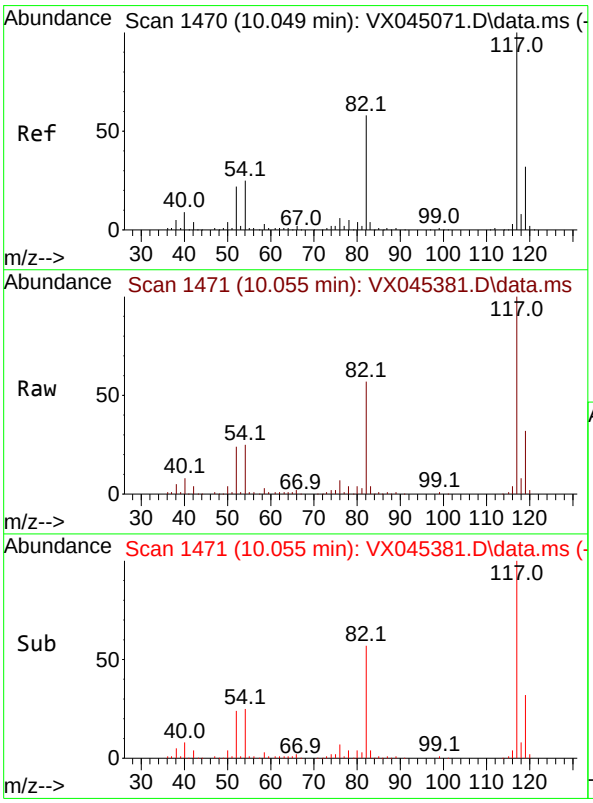
#62
4-Bromofluorobenzene
Concen: 52.474 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Tgt Ion: 95 Resp: 58561

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	69.4	0.0	141.4

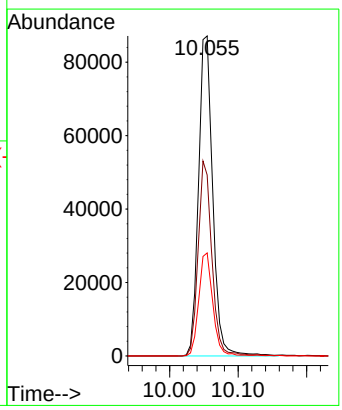


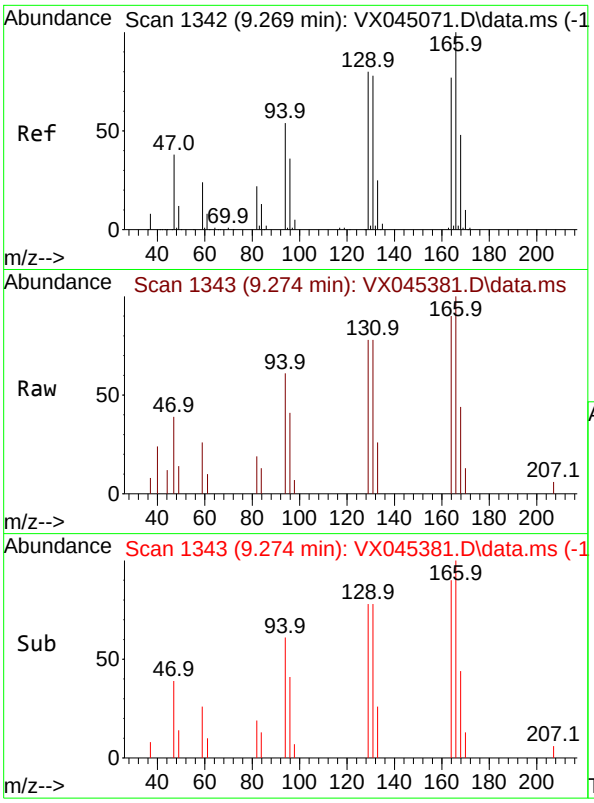


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Tgt Ion:117 Resp: 125925

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.3	69.5
119	32.2	25.7	38.5



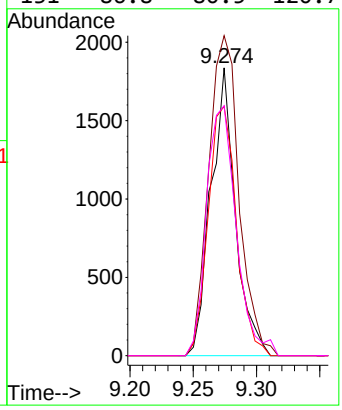


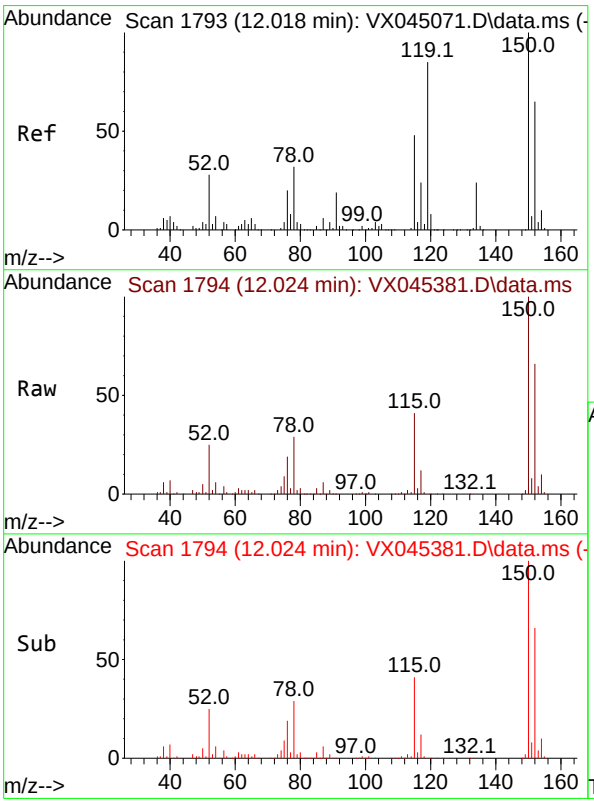
#64
Tetrachloroethene
Concen: 3.060 ug/l
RT: 9.274 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20250313DL

Tgt Ion:164 Resp: 2468

Ion	Ratio	Lower	Upper
164	100		
166	111.2	103.6	155.4
129	86.7	82.7	124.1
131	86.8	80.5	120.7

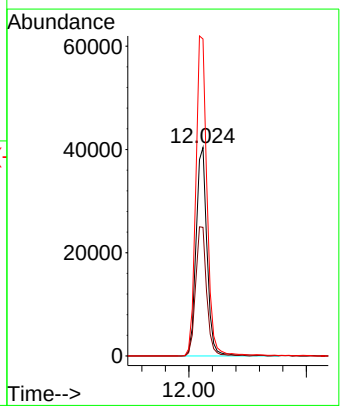




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045381.D
Acq: 21 Mar 2025 12:31

Tgt Ion:152 Resp: 52363

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	156.0	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D2-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-07	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045367.D	1		03/20/25 17:32	VX032025

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	200	E	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.00		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	5.70		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	230	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

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D2-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-07	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045367.D	1		03/20/25 17:32	VX032025

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	22.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.8		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69700	5.55				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47200	12.024				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D2-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-07	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045367.D	1		03/20/25 17:32	VX032025

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\VX032025\
Data File : VX045367.D
Acq On : 20 Mar 2025 17:32
Operator : JC/MD
Sample : Q1582-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Quant Time: Mar 21 01:51:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

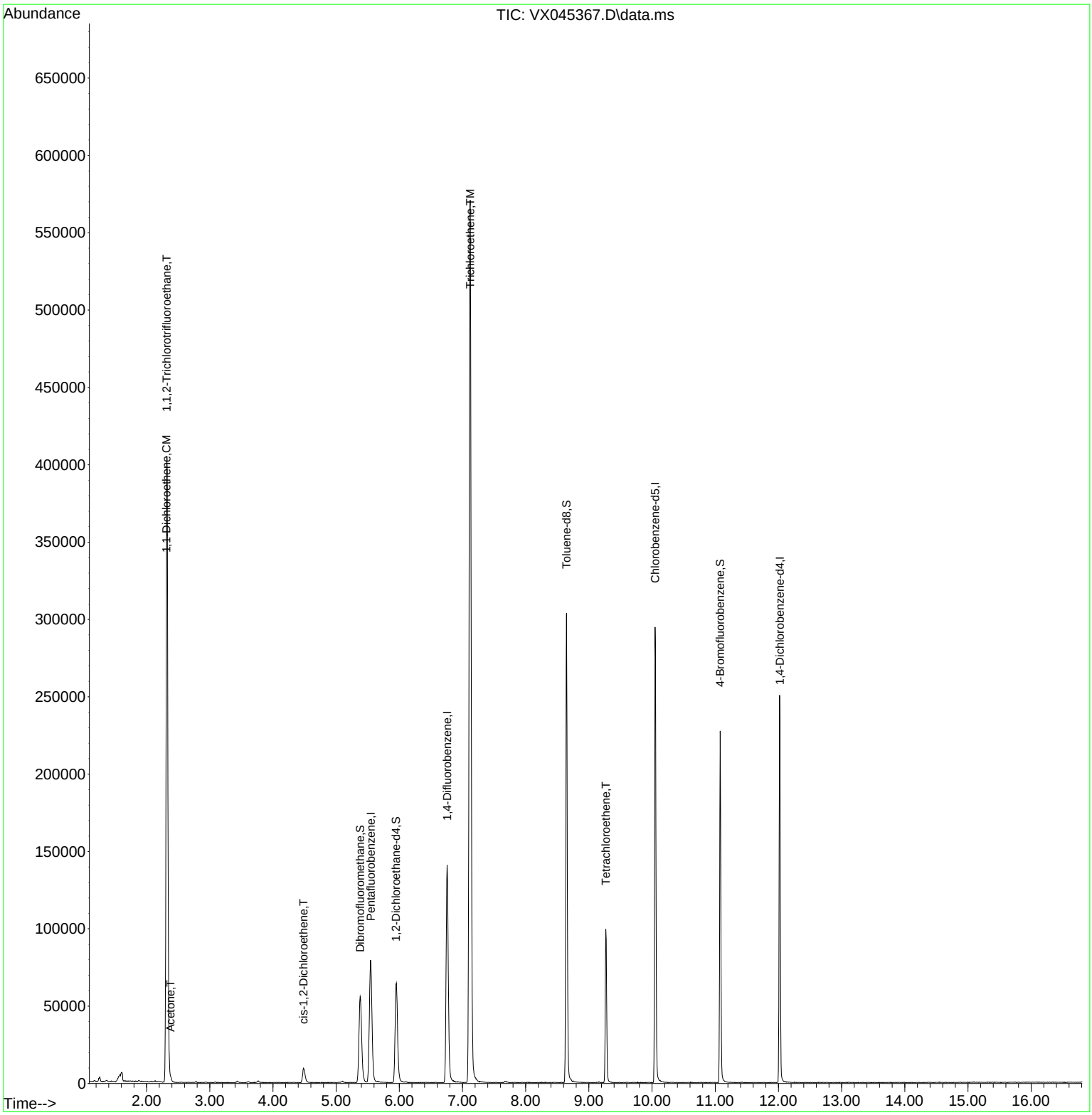
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64084	57.765	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.520%			
35) Dibromofluoromethane	5.379	113	48835	53.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.340%			
50) Toluene-d8	8.647	98	169280	50.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	58133	52.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	162076	199.943	ug/l	98
12) 1,1-Dichloroethene	2.312	96	1699	1.982	ug/l	85
16) Acetone	2.380	43	832	1.616	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	5923	5.667	ug/l	95
44) Trichloroethene	7.123	130	213081	228.147	ug/l	99
64) Tetrachloroethene	9.269	164	17539	22.205	ug/l	95

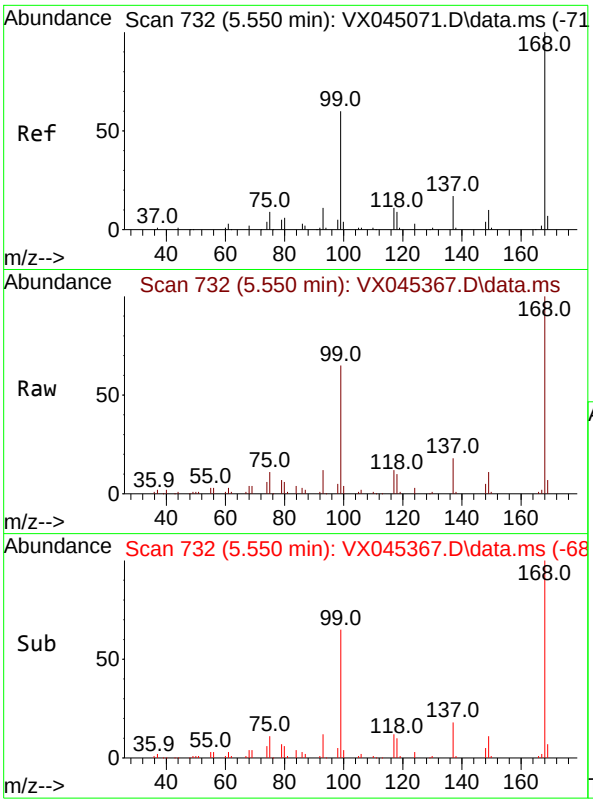
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045367.D
Acq On : 20 Mar 2025 17:32
Operator : JC/MD
Sample : Q1582-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Quant Time: Mar 21 01:51:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



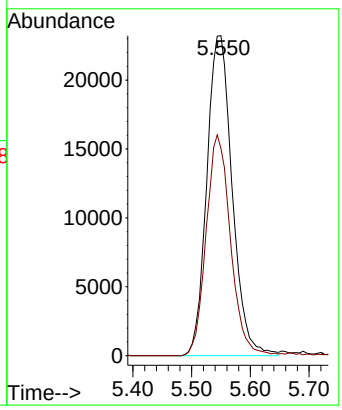


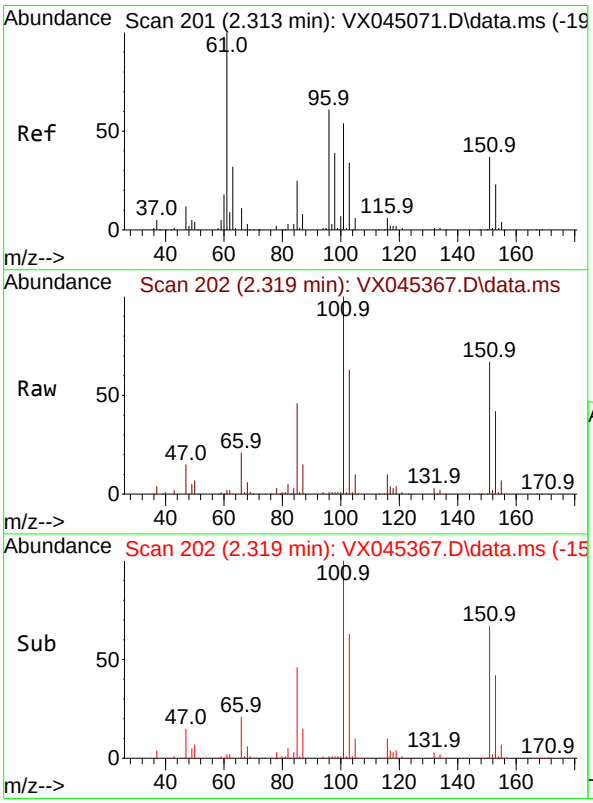
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion:168 Resp: 69745

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

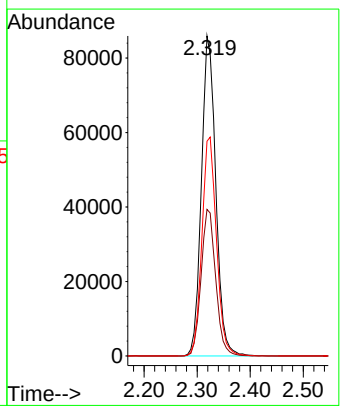


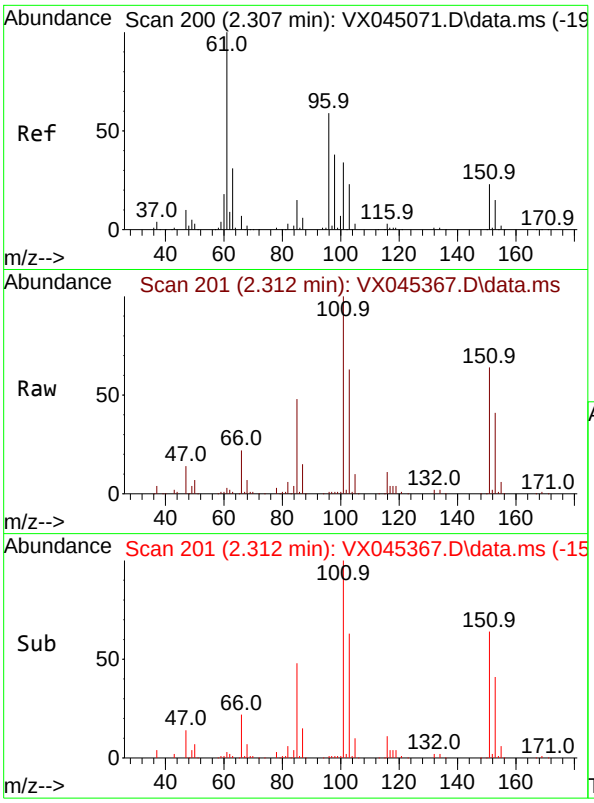


#9
1,1,2-Trichlorotrifluoroethane
Concen: 199.943 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion:101 Resp: 162076

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	69.3	56.4	84.6



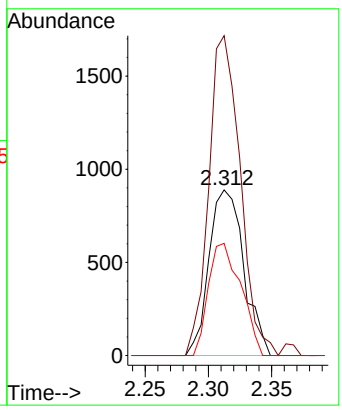


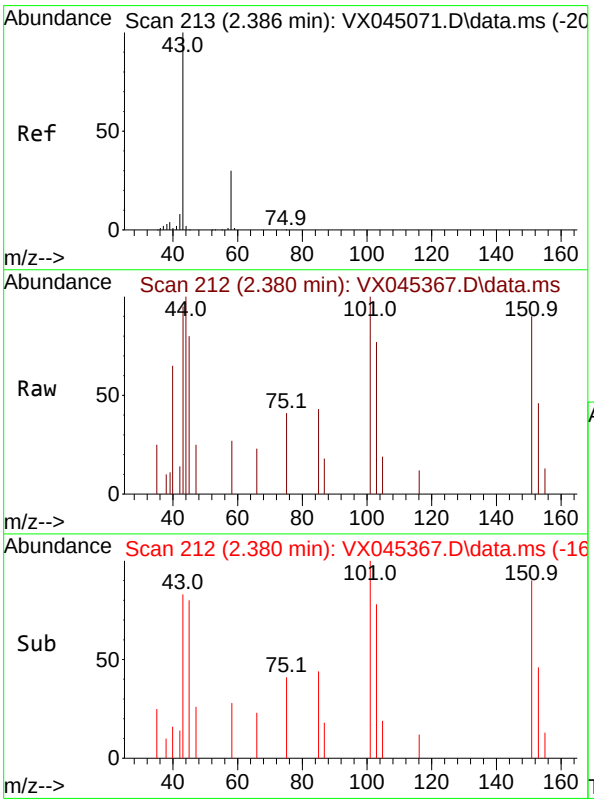
#12
1,1-Dichloroethene
Concen: 1.982 ug/l
RT: 2.312 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion: 96 Resp: 1699

Ion	Ratio	Lower	Upper
96	100		
61	193.1	134.6	202.0
98	67.7	51.0	76.6

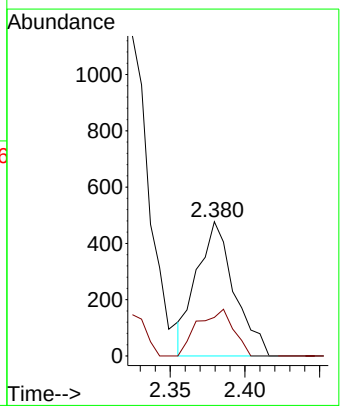


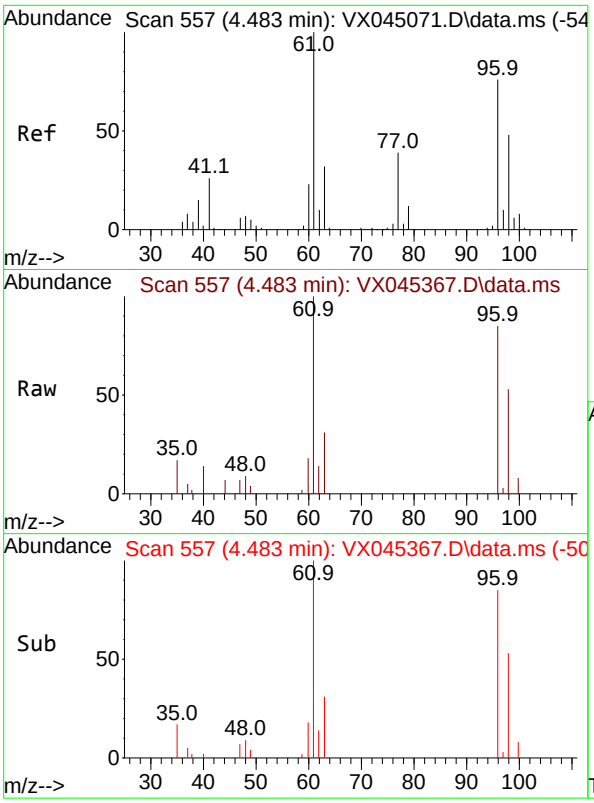


#16
Acetone
Concen: 1.616 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion: 43 Resp: 832

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.2	36.4



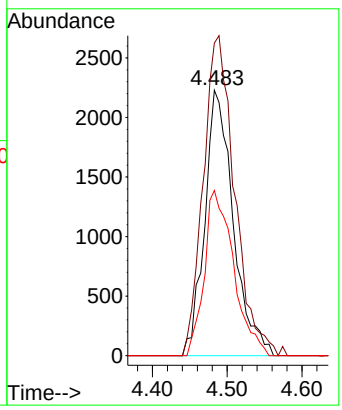


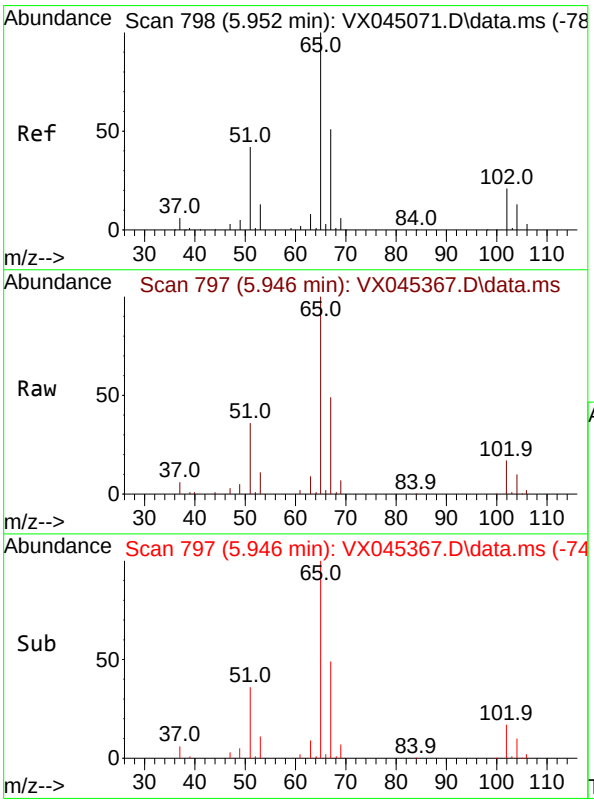
#27
cis-1,2-Dichloroethene
Concen: 5.667 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion: 96 Resp: 5923

Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	283.2
98	63.7	0.0	128.0

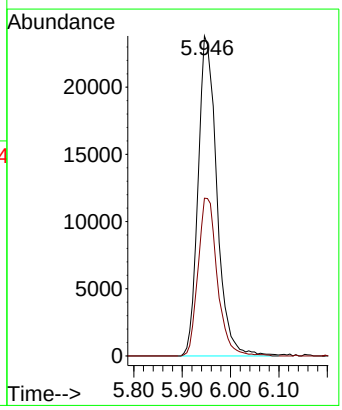


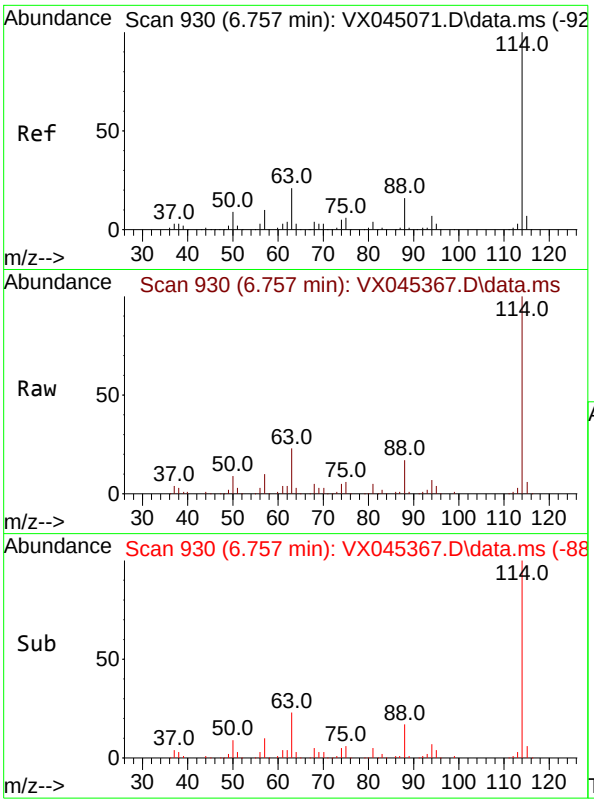


#33
1,2-Dichloroethane-d4
Concen: 57.765 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion: 65 Resp: 64084

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



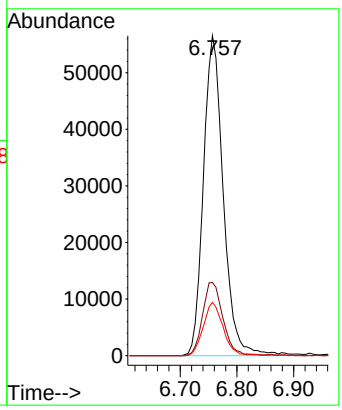


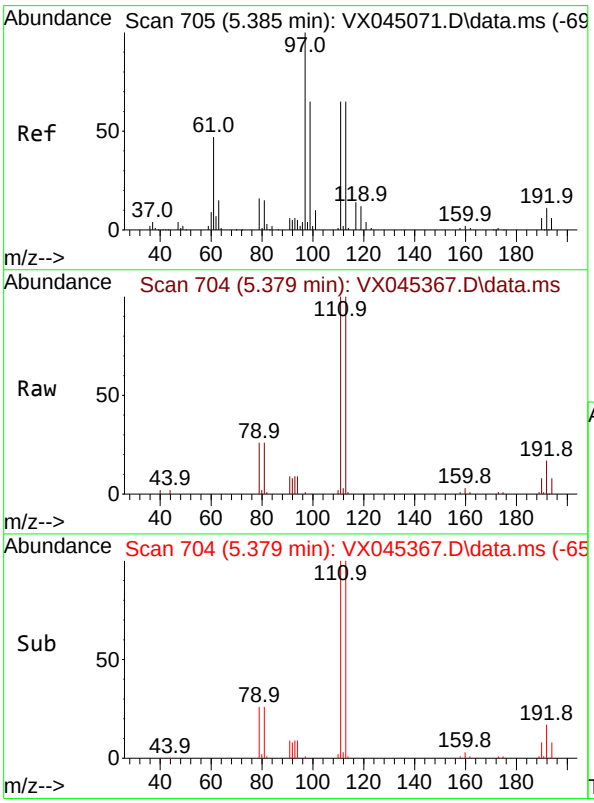
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion:114 Resp: 137359

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	16.6	0.0	32.8

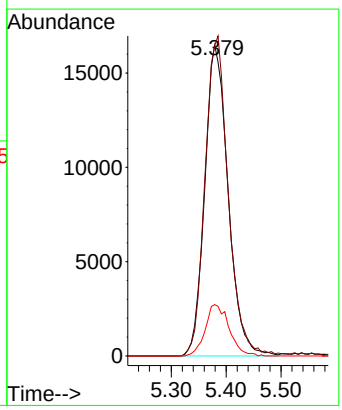


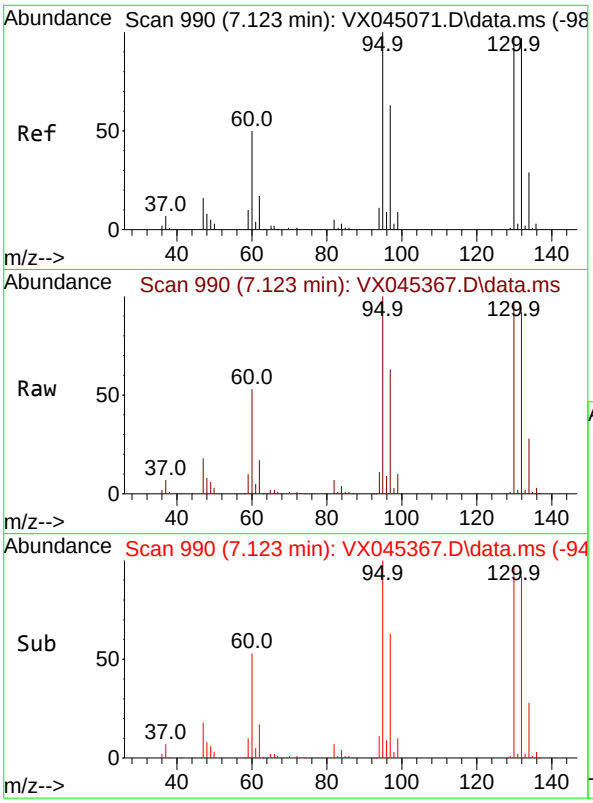


#35
Dibromofluoromethane
Concen: 53.169 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion:113 Resp: 48835

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	16.9	14.3	21.5



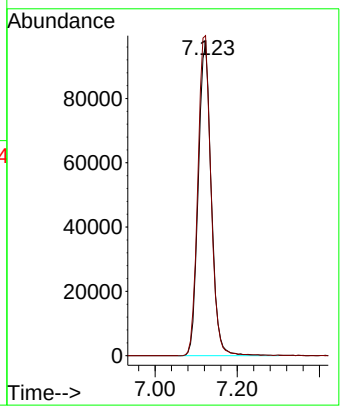


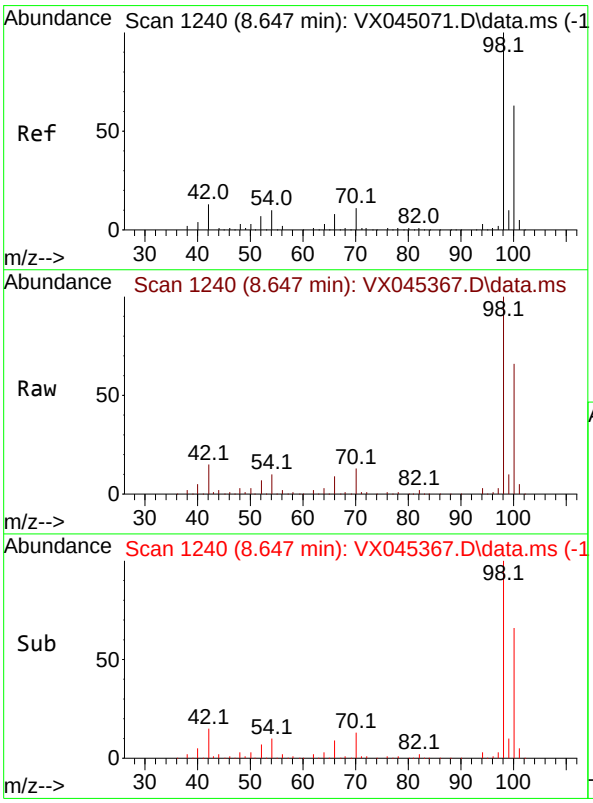
#44
Trichloroethene
Concen: 228.147 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion:130 Resp: 213081

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	205.0

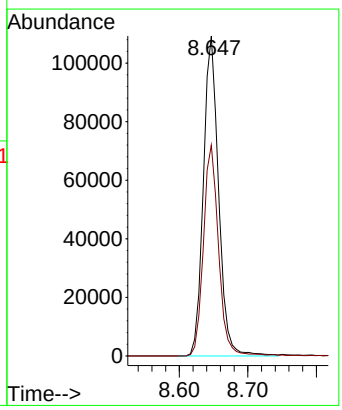


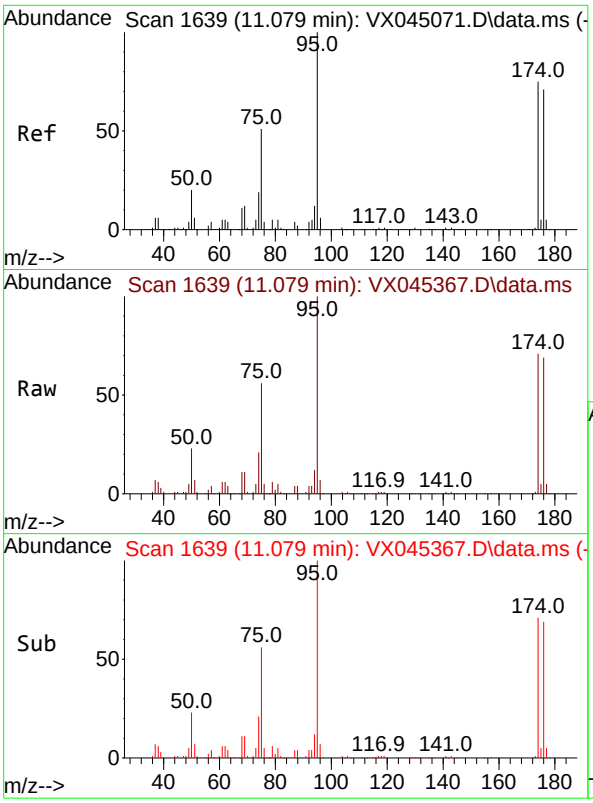


#50
Toluene-d8
Concen: 50.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion: 98 Resp: 169280

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0



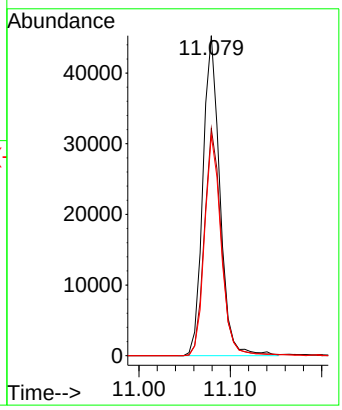


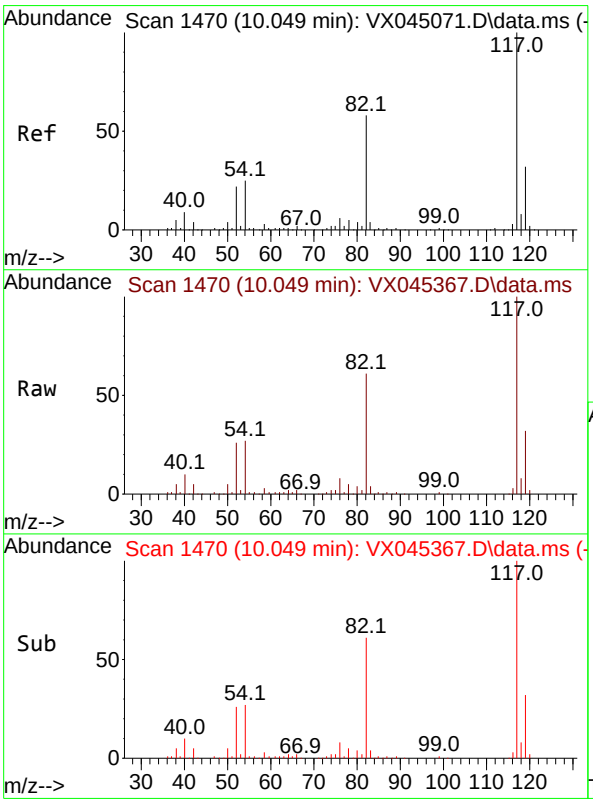
#62
4-Bromofluorobenzene
Concen: 52.685 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion: 95 Resp: 58133

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	148.2
176	67.7	0.0	141.4

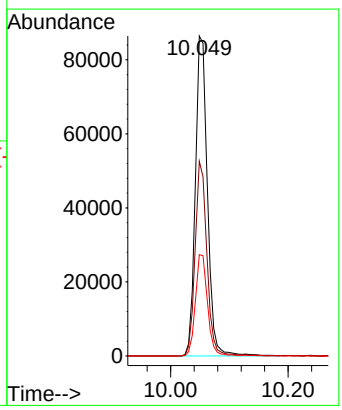


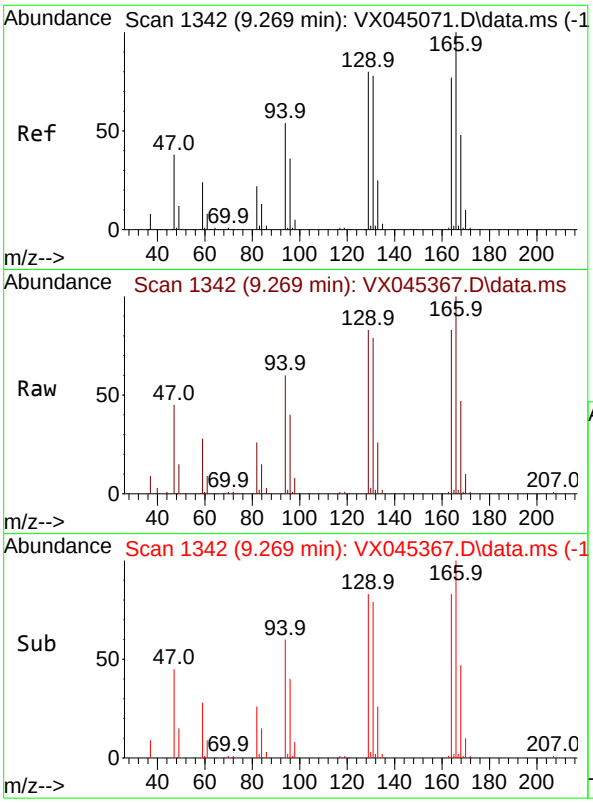


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion:117 Resp: 123326

Ion	Ratio	Lower	Upper
117	100		
82	60.8	46.3	69.5
119	31.7	25.7	38.5



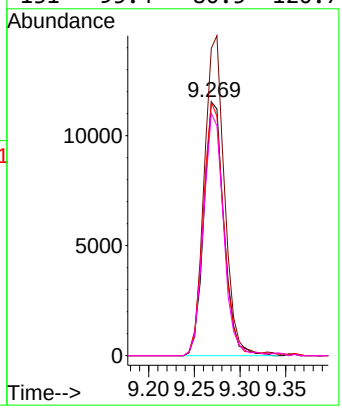


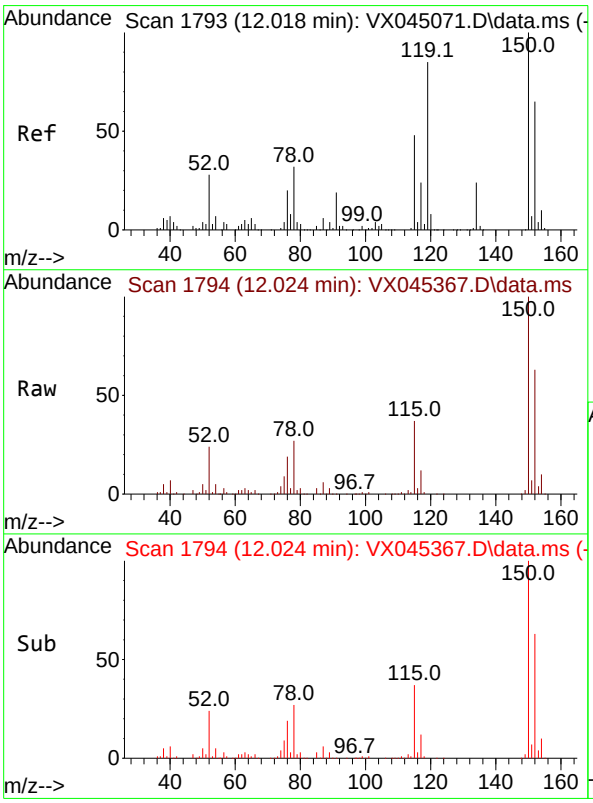
#64
Tetrachloroethene
Concen: 22.205 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313

Tgt Ion:164 Resp: 17539

Ion	Ratio	Lower	Upper
164	100		
166	121.0	103.6	155.4
129	99.9	82.7	124.1
131	95.4	80.5	120.7

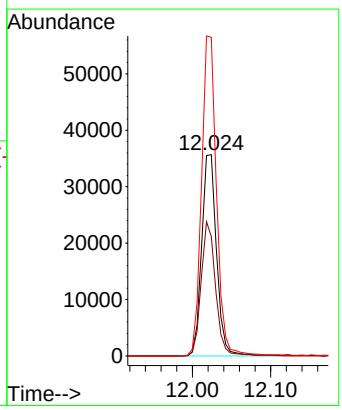




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045367.D
Acq: 20 Mar 2025 17:32

Tgt Ion:152 Resp: 47211

Ion	Ratio	Lower	Upper
152	100		
115	64.4	44.2	132.6
150	159.0	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D2-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-07DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045382.D	5		03/21/25 12:54	VX032125

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	200	D	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	230	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D2-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-07DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045382.D	5		03/21/25 12:54	VX032125

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	21.0	D	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	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66500	5.549				
540-36-3	1,4-Difluorobenzene	130000	6.763				
3114-55-4	Chlorobenzene-d5	120000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50600	12.024				

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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D2-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-07DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045382.D	5		03/21/25 12:54	VX032125

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\VX032125\
Data File : VX045382.D
Acq On : 21 Mar 2025 12:54
Operator : JC/MD
Sample : Q1582-07DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Quant Time: Mar 21 23:14:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

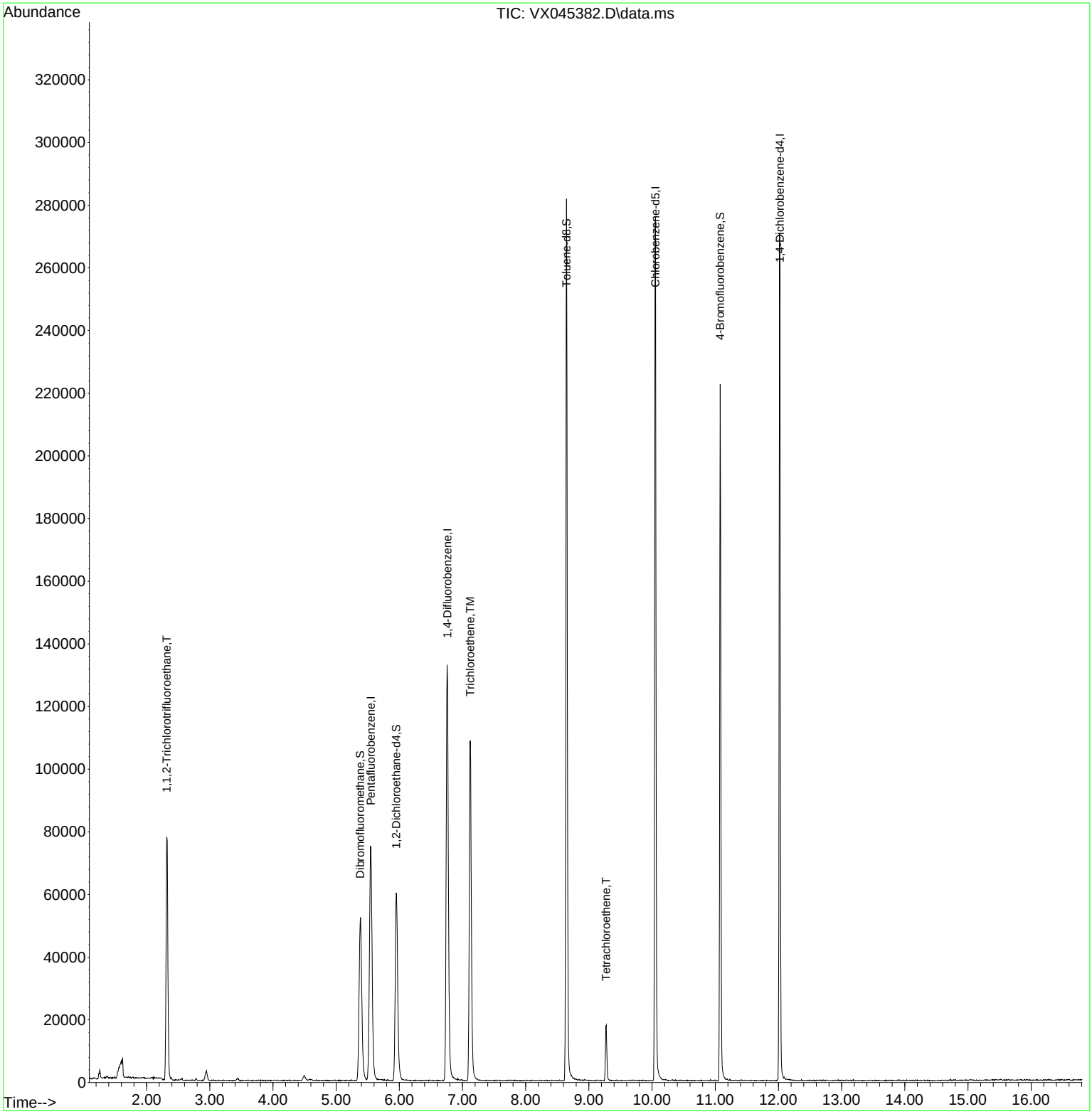
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	66532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130418	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59816	56.521	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.040%			
35) Dibromofluoromethane	5.379	113	45129	51.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.500%			
50) Toluene-d8	8.646	98	160343	50.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.440%			
62) 4-Bromofluorobenzene	11.079	95	55986	53.440	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.880%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.318	101	31012	40.105	ug/l	99
44) Trichloroethene	7.122	130	40346	45.498	ug/l	97
64) Tetrachloroethene	9.274	164	3234	4.193	ug/l	91

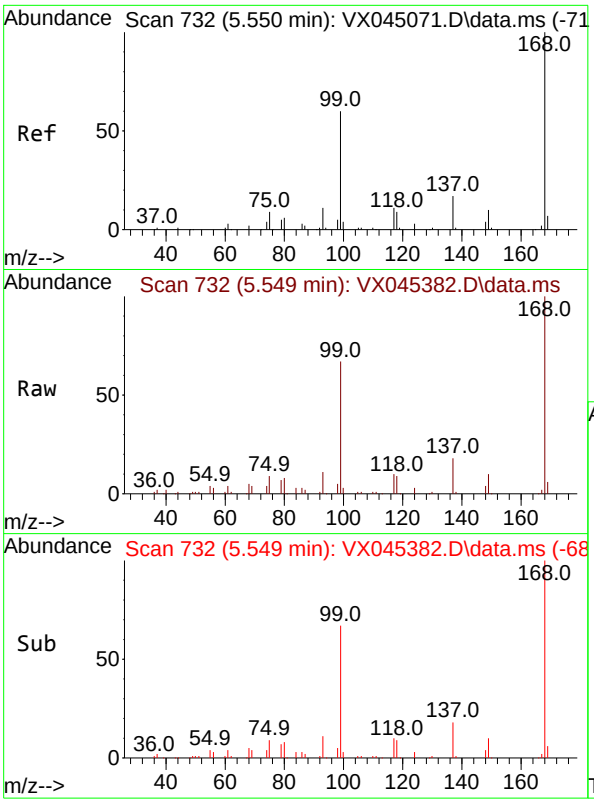
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045382.D
Acq On : 21 Mar 2025 12:54
Operator : JC/MD
Sample : Q1582-07DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Quant Time: Mar 21 23:14:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



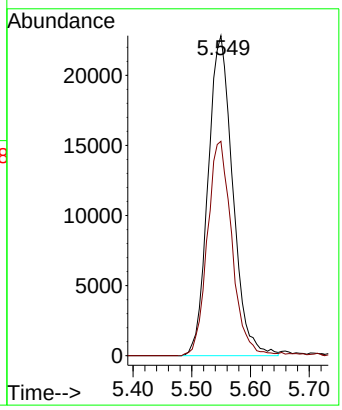


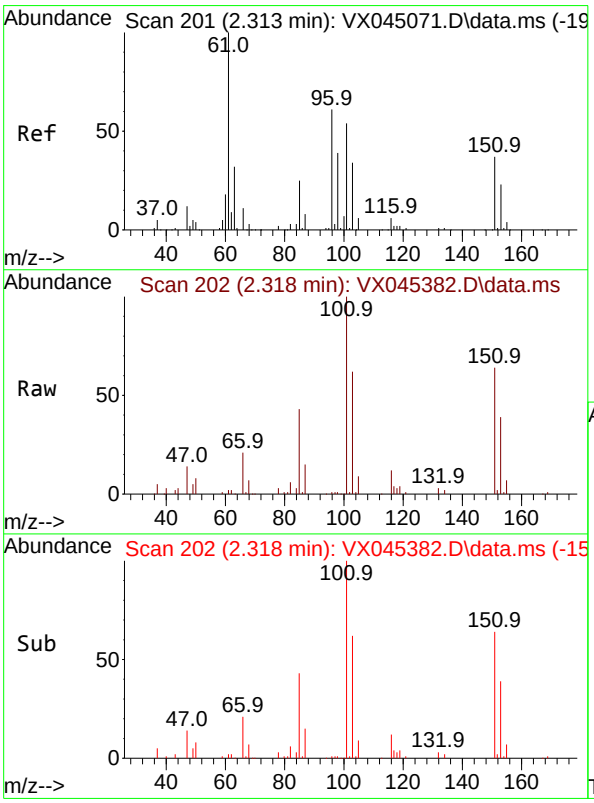
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion:168 Resp: 66532

Ion	Ratio	Lower	Upper
168	100		
99	67.0	48.2	72.4

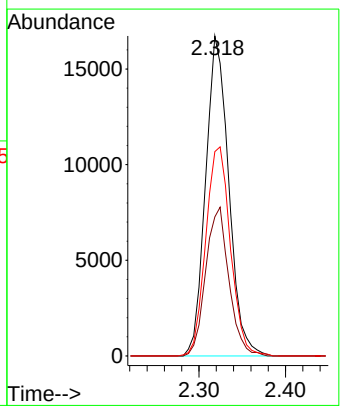


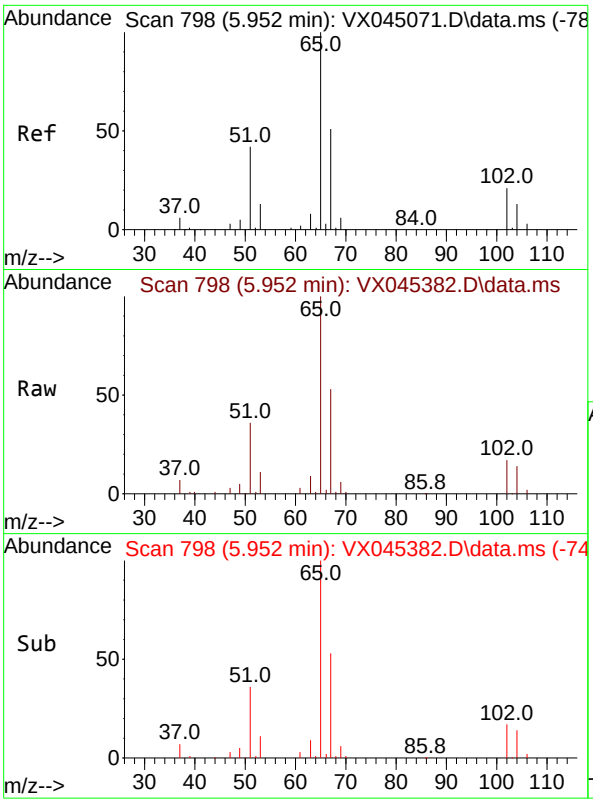


#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.105 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:101 Resp: 31012

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.8	56.4	84.6



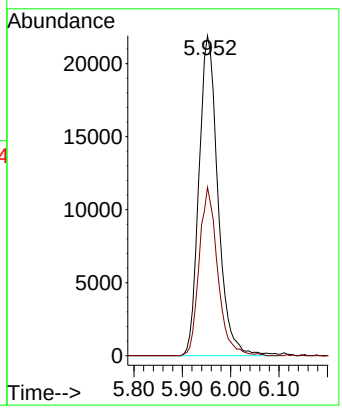


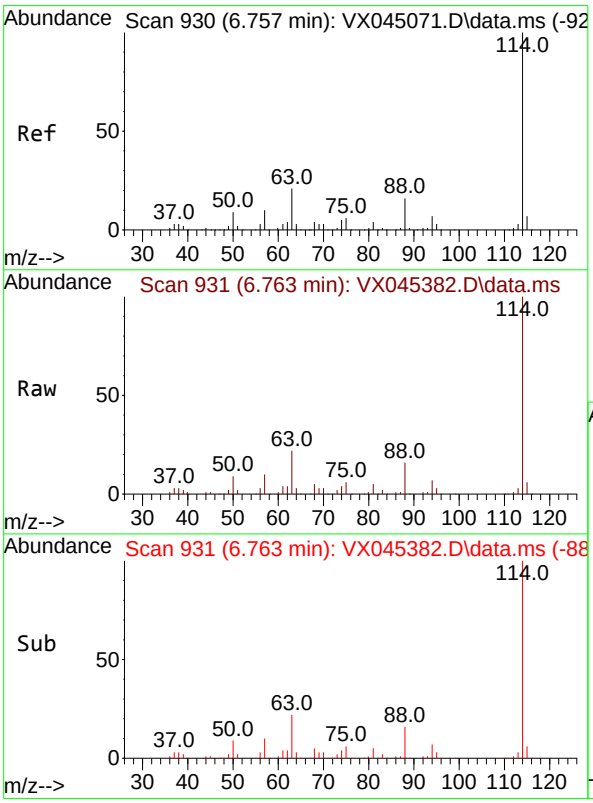
#33
1,2-Dichloroethane-d4
Concen: 56.521 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion: 65 Resp: 59816

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2

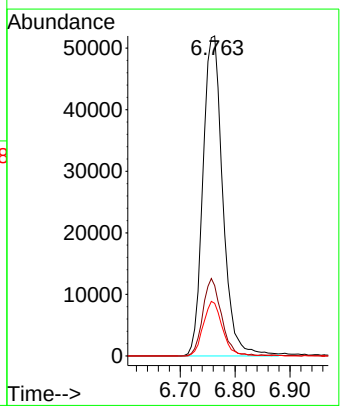


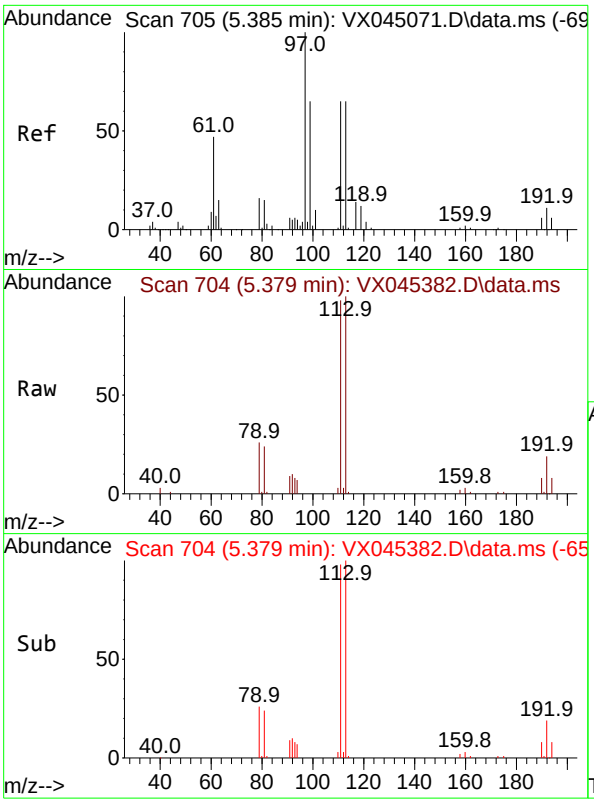


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:114 Resp: 130418

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.8
88	16.4	0.0	32.8



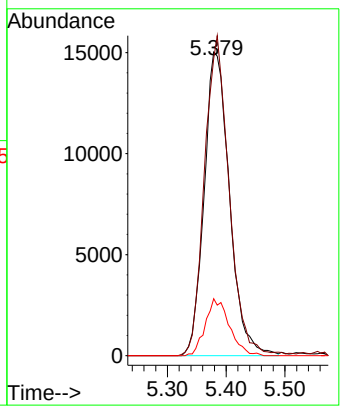


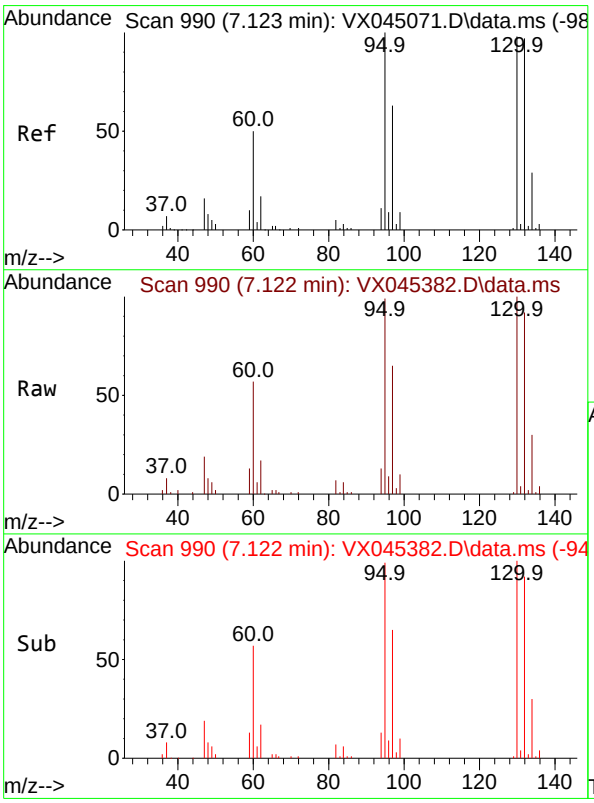
#35
Dibromofluoromethane
Concen: 51.749 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion:113 Resp: 45129

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	17.8	14.3	21.5

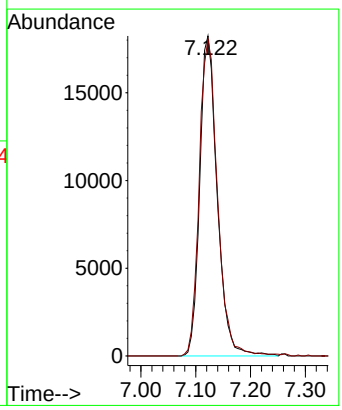


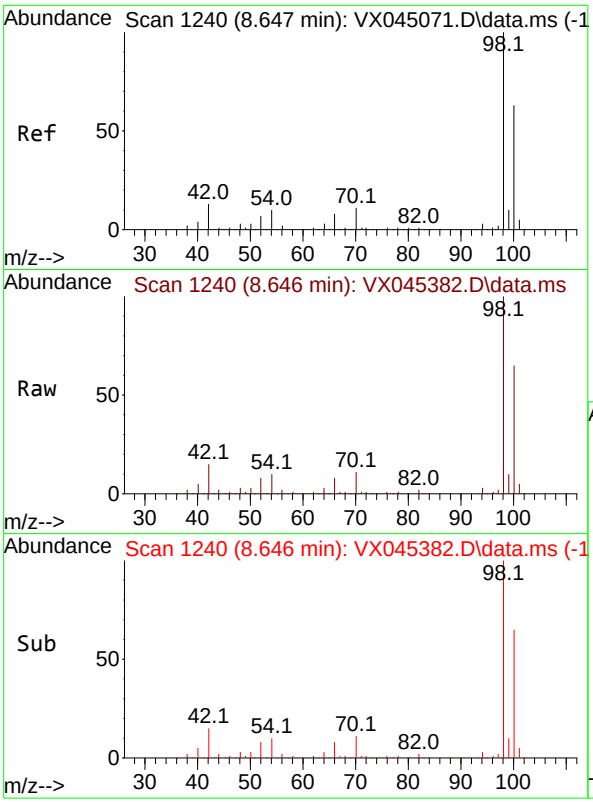


#44
Trichloroethene
Concen: 45.498 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:130 Resp: 40346

Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	205.0



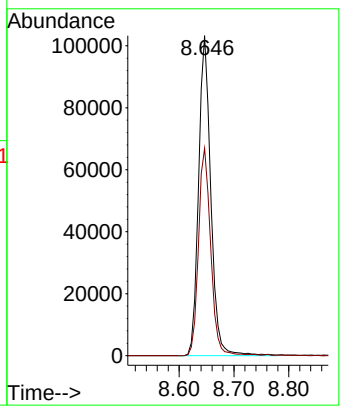


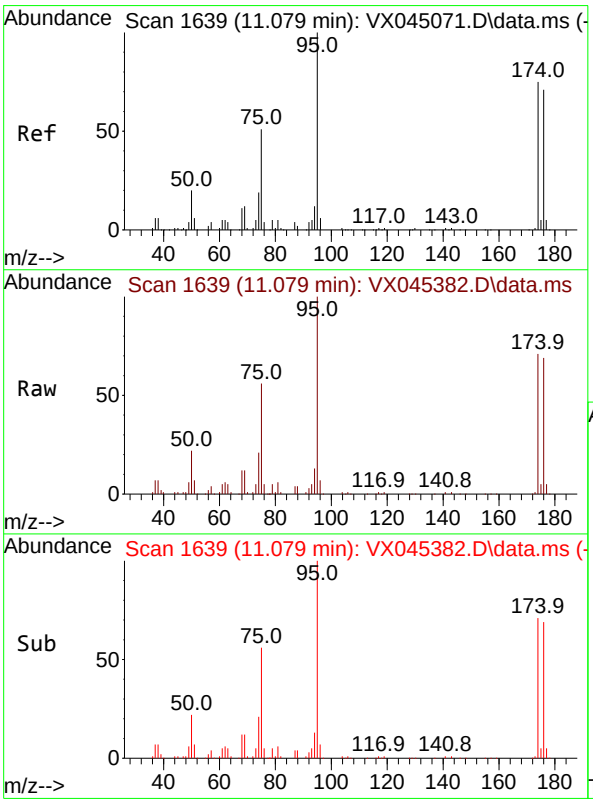
#50
Toluene-d8
Concen: 50.716 ug/l
RT: 8.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion: 98 Resp: 160343

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

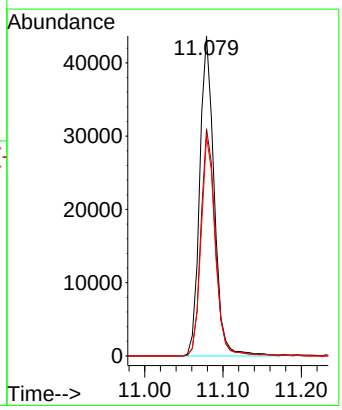


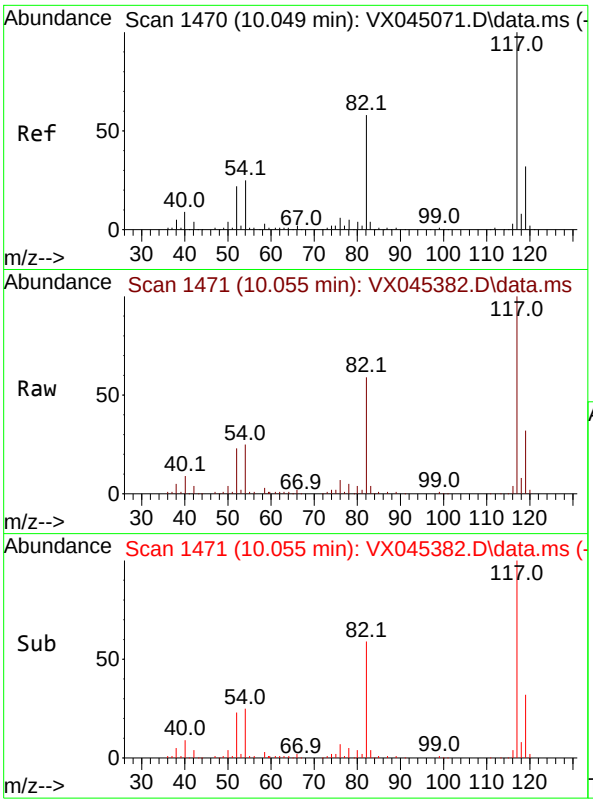


#62
4-Bromofluorobenzene
Concen: 53.440 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion: 95 Resp: 55986

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	148.2
176	67.6	0.0	141.4



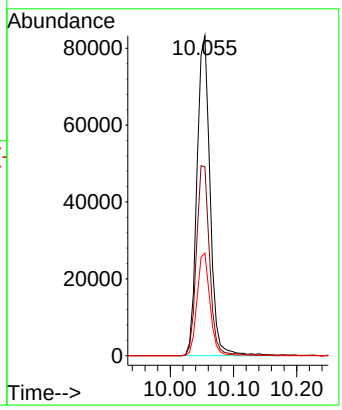


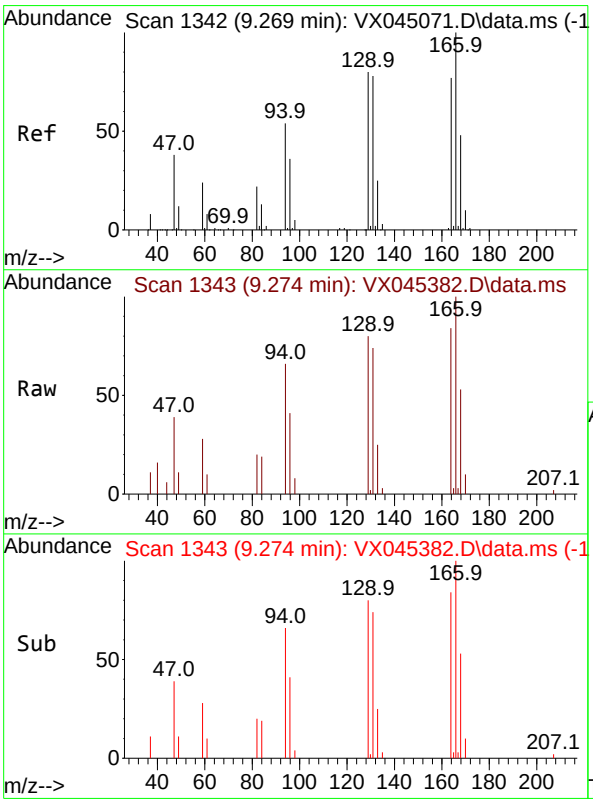
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion:117 Resp: 120413

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	32.0	25.7	38.5

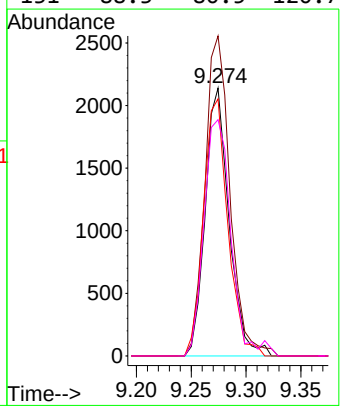


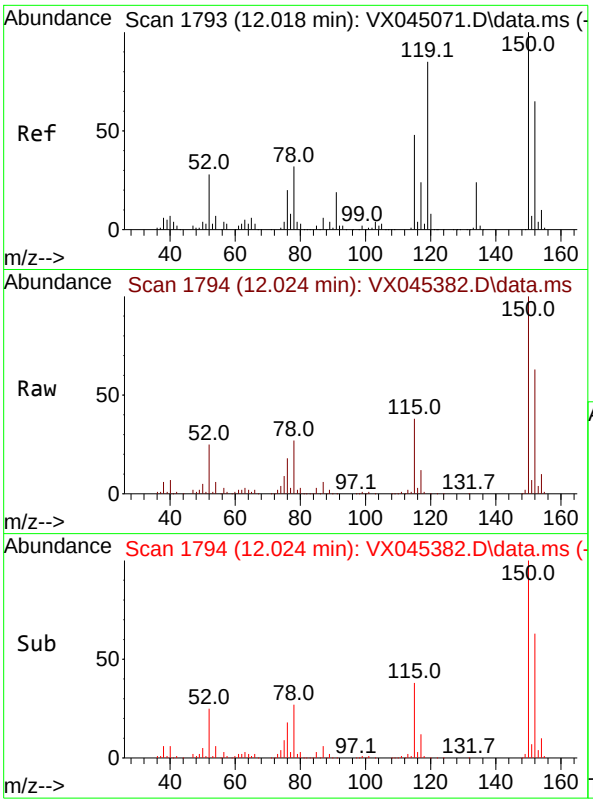


#64
Tetrachloroethene
Concen: 4.193 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Tgt Ion:164 Resp: 3234

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	96.0	82.7	124.1
131	88.3	80.5	120.7



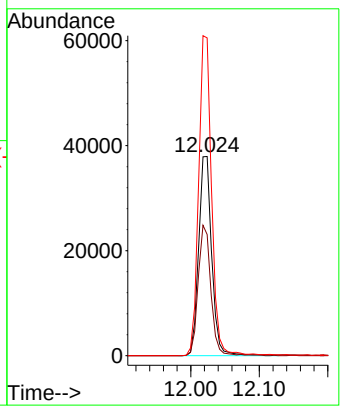


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045382.D
Acq: 21 Mar 2025 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20250313DL

Tgt Ion:152 Resp: 50604

Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.2	132.6
150	158.2	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D3-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-08	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045368.D	1		03/20/25 17:55	VX032025

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	720	E	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	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	0.50	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	58.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	2.20		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D3-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-08	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045368.D	1		03/20/25 17:55	VX032025

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	64.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.9		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	62700	5.544				
540-36-3	1,4-Difluorobenzene	125000	6.757				
3114-55-4	Chlorobenzene-d5	117000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D3-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-08	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045368.D	1		03/20/25 17:55	VX032025

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\VX032025\
Data File : VX045368.D
Acq On : 20 Mar 2025 17:55
Operator : JC/MD
Sample : Q1582-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Quant Time: Mar 21 01:52:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

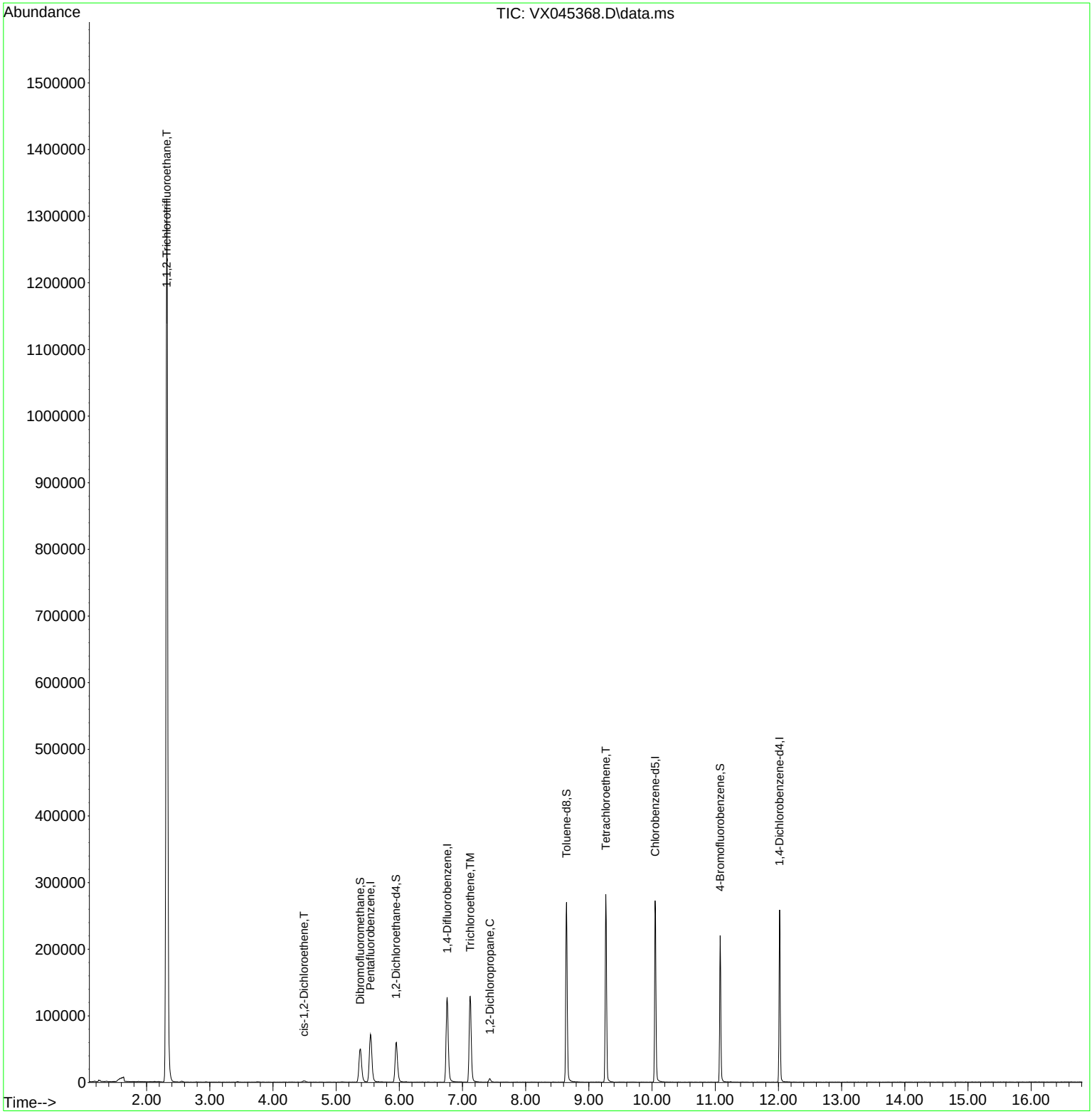
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	62724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57798	57.930	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.860%			
35) Dibromofluoromethane	5.379	113	44178	52.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	8.647	98	158129	52.289	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.580%			
62) 4-Bromofluorobenzene	11.079	95	55300	55.184	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.360%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	525636	721.028	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	1287	1.369	ug/l	91
44) Trichloroethene	7.123	130	49305	58.127	ug/l	97
45) 1,2-Dichloropropane	7.434	63	2064	2.222	ug/l	93
64) Tetrachloroethene	9.269	164	48799	64.920	ug/l	96

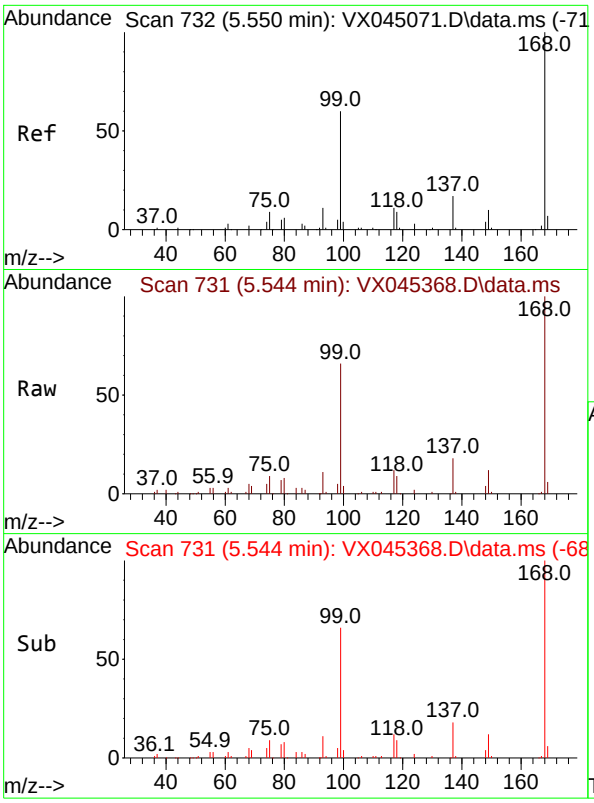
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045368.D
Acq On : 20 Mar 2025 17:55
Operator : JC/MD
Sample : Q1582-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Quant Time: Mar 21 01:52:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



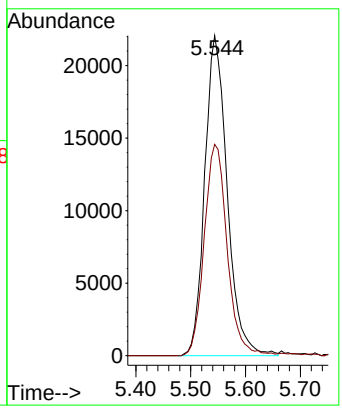


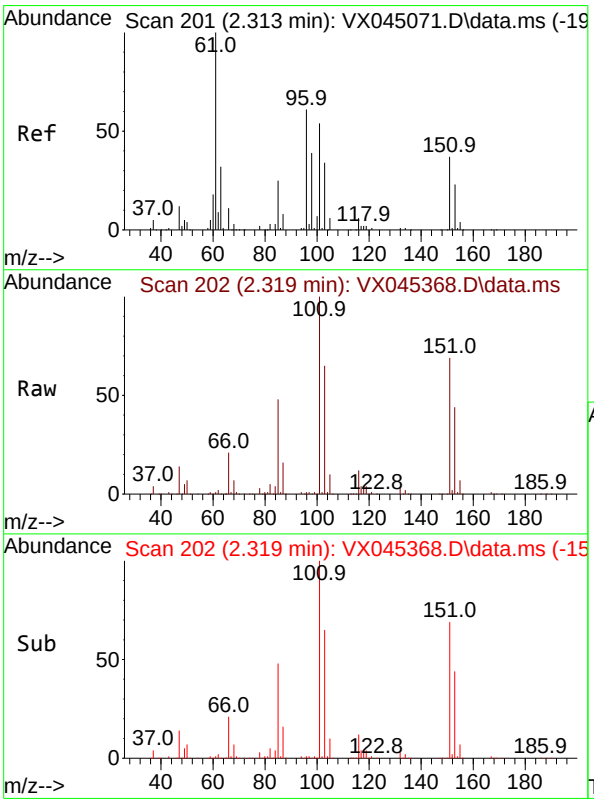
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion:168 Resp: 62724

Ion	Ratio	Lower	Upper
168	100		
99	66.1	48.2	72.4

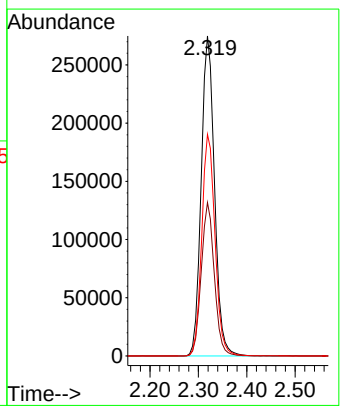


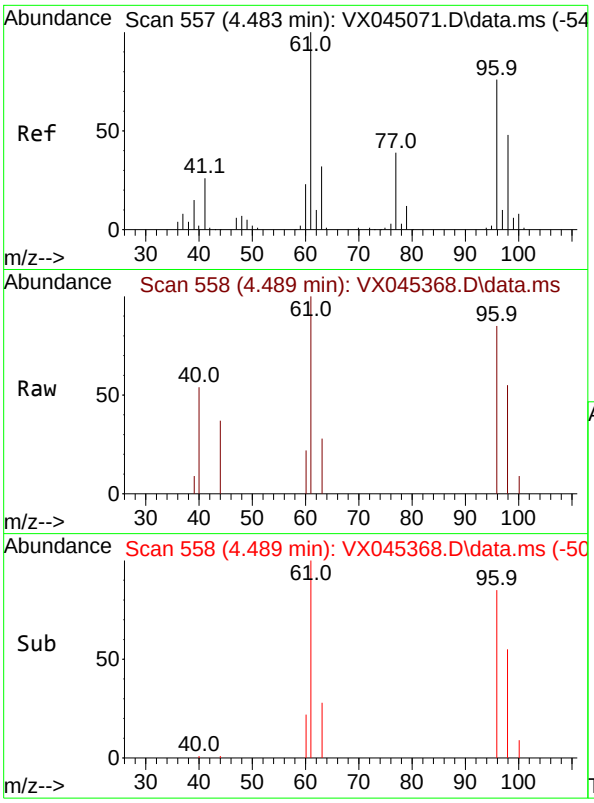


#9
1,1,2-Trichlorotrifluoroethane
Concen: 721.028 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Tgt Ion:101 Resp: 525636

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	69.2	56.4	84.6



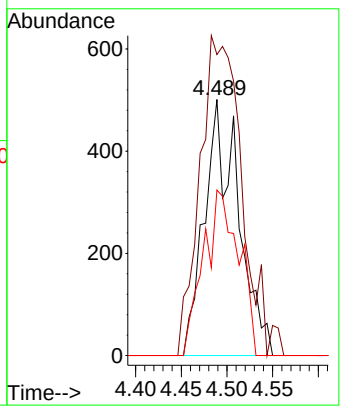


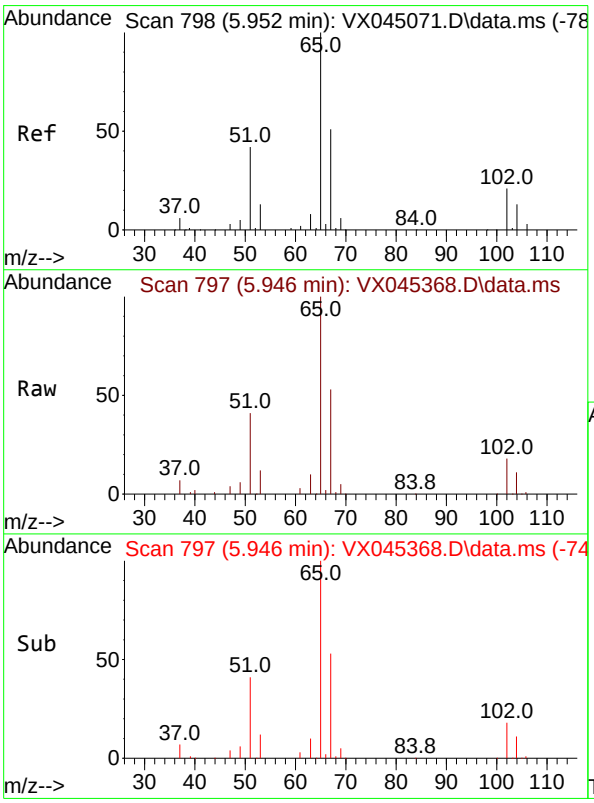
#27
cis-1,2-Dichloroethene
Concen: 1.369 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion: 96 Resp: 1287

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	283.2
98	67.8	0.0	128.0

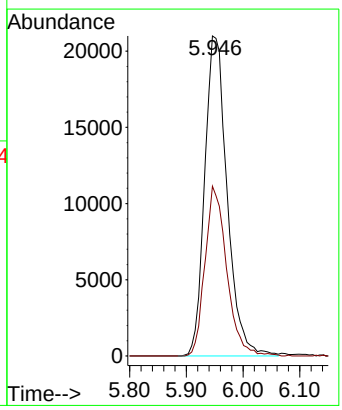


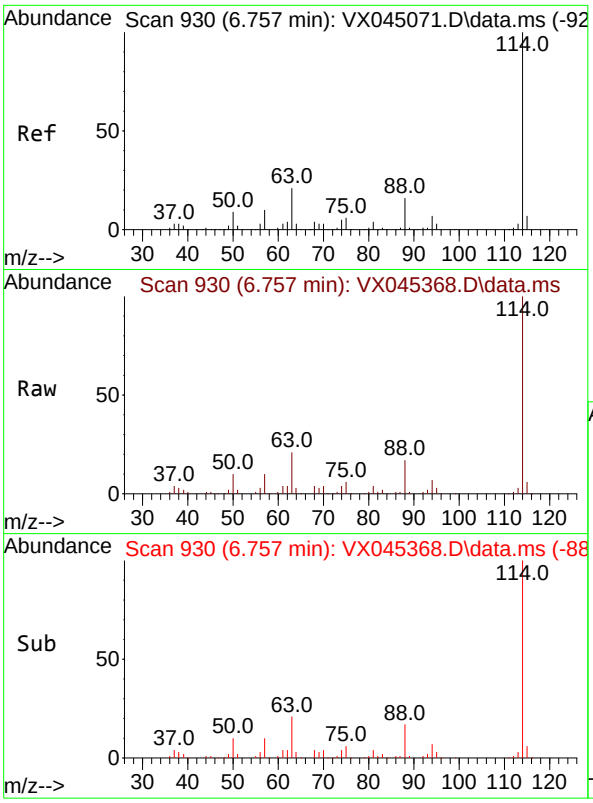


#33
1,2-Dichloroethane-d4
Concen: 57.930 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Tgt Ion: 65 Resp: 57798

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



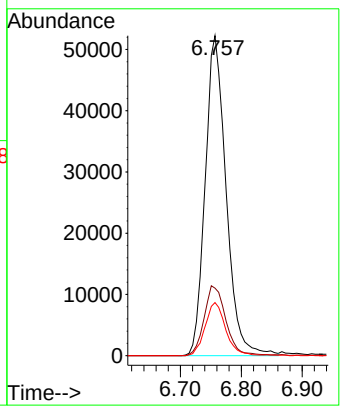


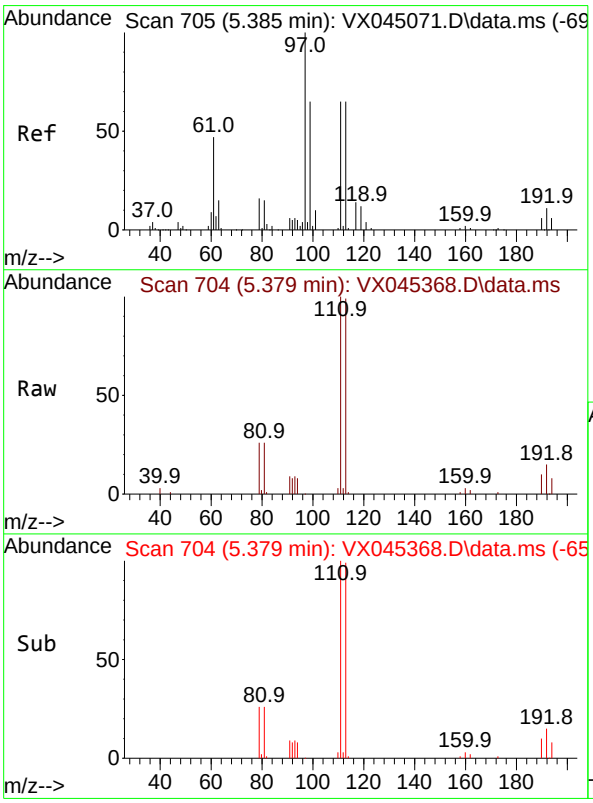
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion:114 Resp: 124749

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.8
88	16.6	0.0	32.8

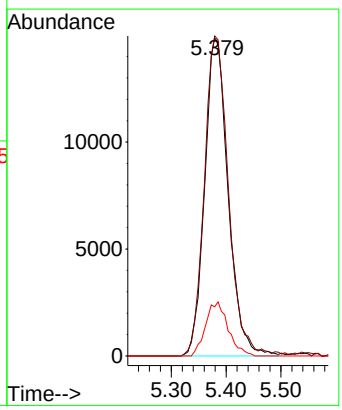


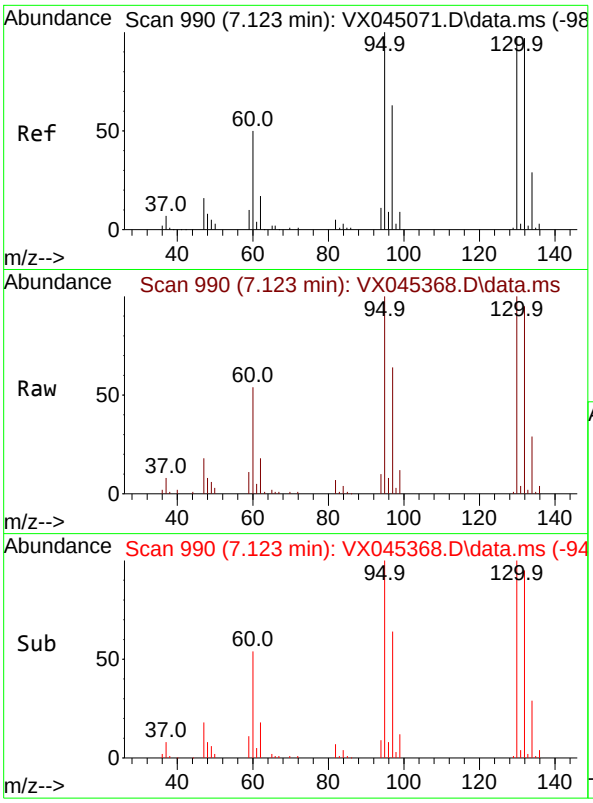


#35
Dibromofluoromethane
Concen: 52.961 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Tgt Ion:113 Resp: 44178

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	16.3	14.3	21.5



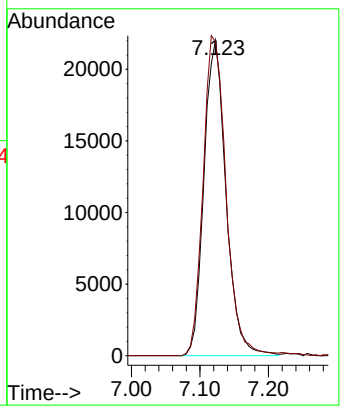


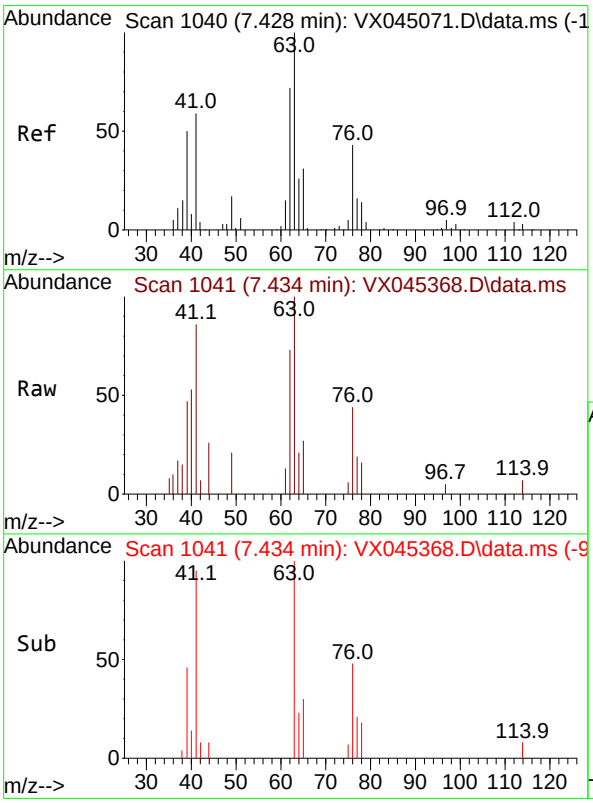
#44
Trichloroethene
Concen: 58.127 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion:130 Resp: 49305

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	205.0

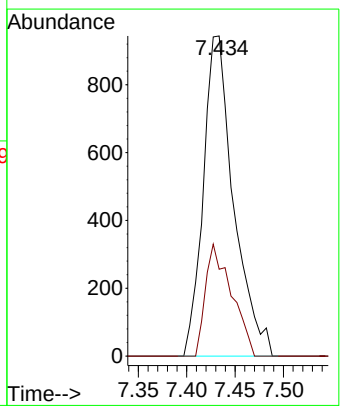


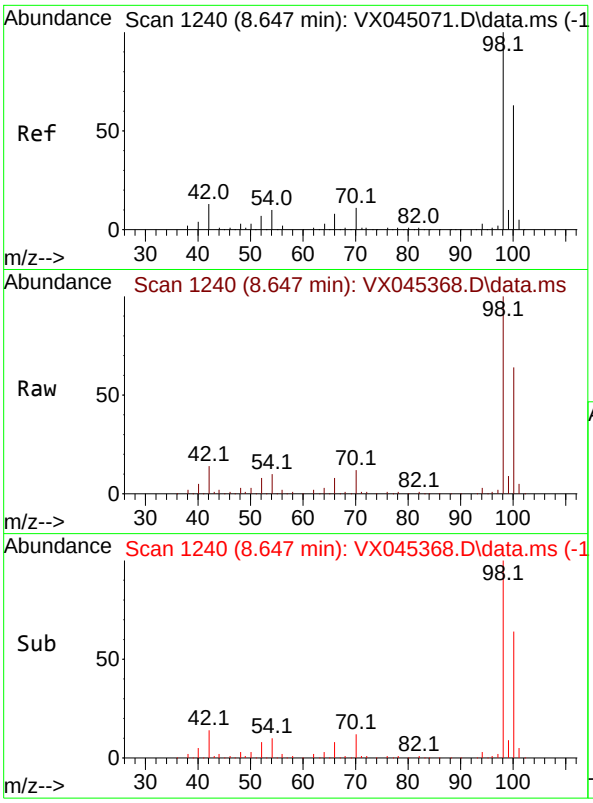


#45
1,2-Dichloropropane
Concen: 2.222 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Tgt Ion: 63 Resp: 2064

Ion	Ratio	Lower	Upper
63	100		
65	27.1	24.7	37.1



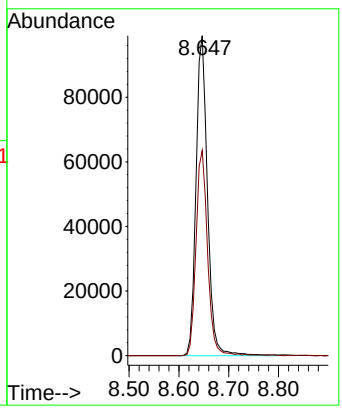


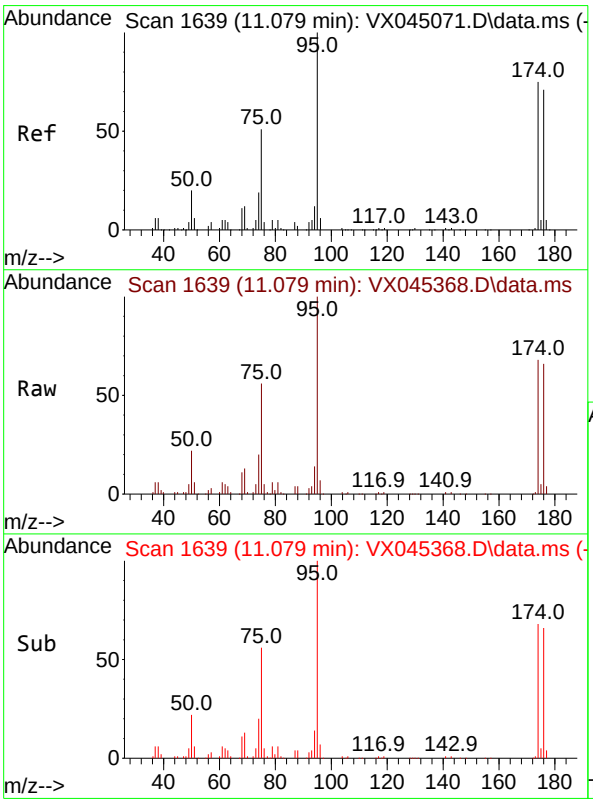
#50
Toluene-d8
Concen: 52.289 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion: 98 Resp: 158129

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

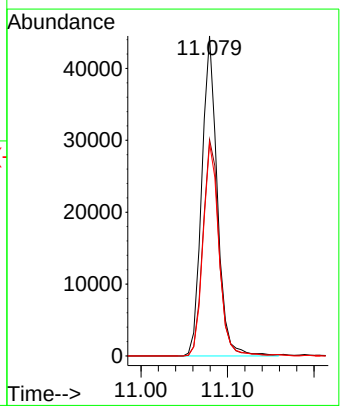


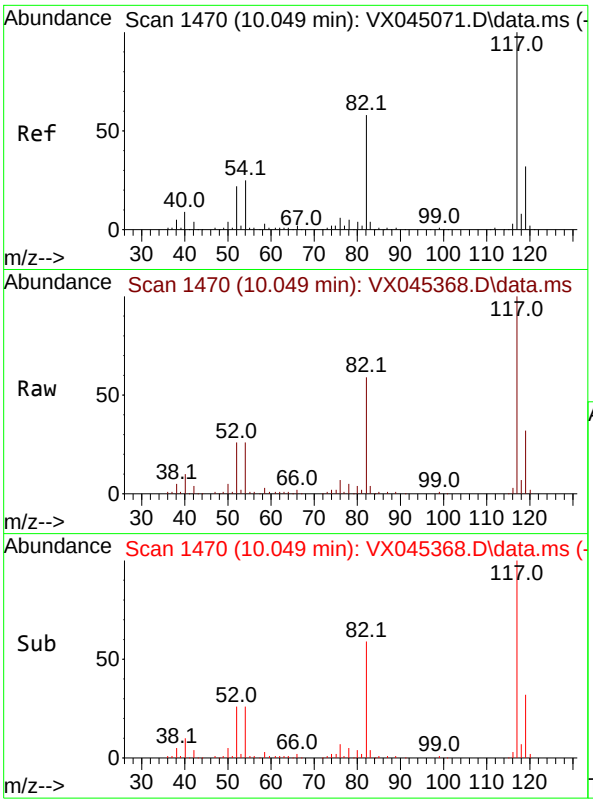


#62
4-Bromofluorobenzene
Concen: 55.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Tgt Ion: 95 Resp: 55300

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	148.2
176	67.8	0.0	141.4



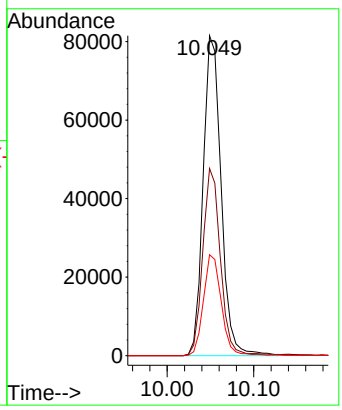


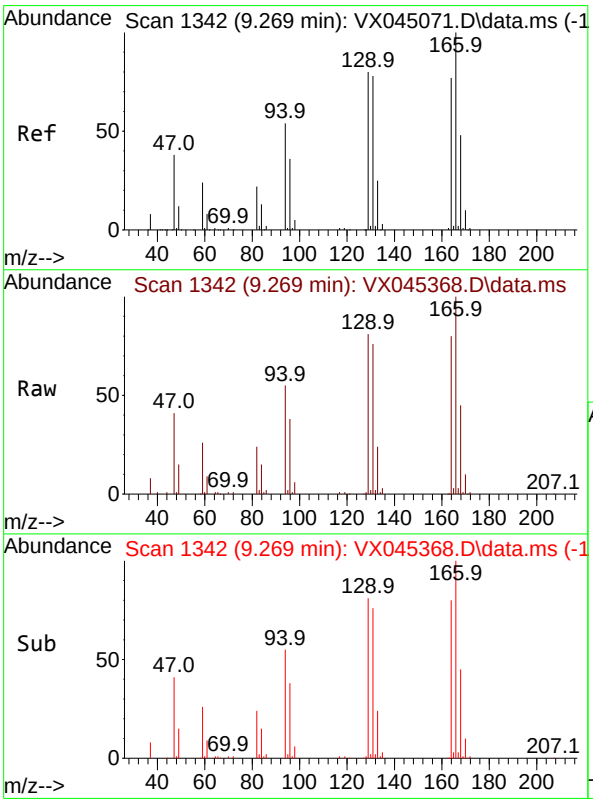
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion:117 Resp: 117366

Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.3	69.5
119	31.5	25.7	38.5

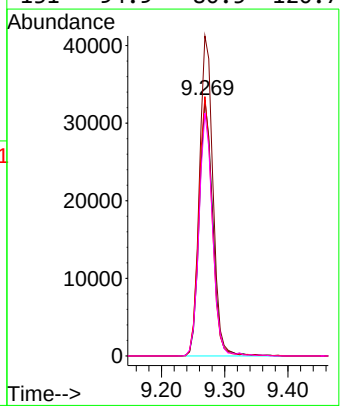


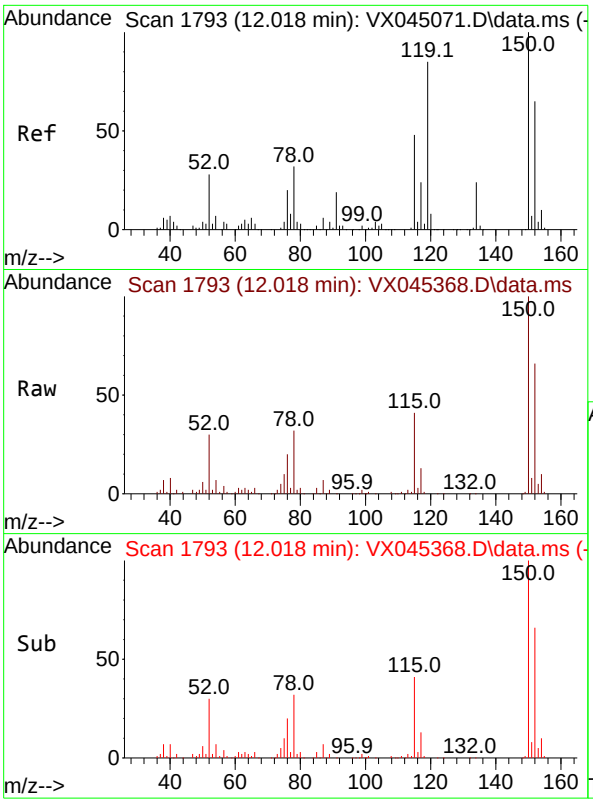


#64
Tetrachloroethene
Concen: 64.920 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Tgt Ion:164 Resp: 48799

Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.6	155.4
129	101.3	82.7	124.1
131	94.9	80.5	120.7



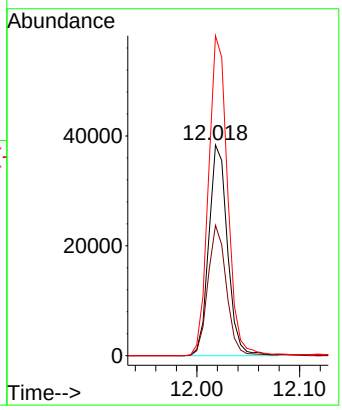


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045368.D
Acq: 20 Mar 2025 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313

Tgt Ion:152 Resp: 48478

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.2	132.6
150	155.4	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D3-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-08DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045385.D	20		03/21/25 14:04	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	UD	4.40	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	UD	6.40	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	UD	5.20	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	UD	28.8	75.0	100	ug/L
75-00-3	Chloroethane	15.0	UD	9.40	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	6.60	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	630	D	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	UD	4.60	15.0	20.0	ug/L
67-64-1	Acetone	75.0	UD	30.2	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	UD	4.20	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	UD	5.40	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.60	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	4.60	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	UD	29.0	50.0	100	ug/L
78-93-3	2-Butanone	50.0	UD	19.6	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	UD	3.80	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	4.40	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	UD	5.00	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	4.00	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	3.20	10.0	20.0	ug/L
71-43-2	Benzene	10.0	UD	3.00	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	4.40	10.0	20.0	ug/L
79-01-6	Trichloroethene	59.3	D	1.90	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	4.00	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	4.40	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	13.6	50.0	100	ug/L
108-88-3	Toluene	10.0	UD	2.80	10.0	20.0	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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D3-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-08DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045385.D	20		03/21/25 14:04	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	UD	3.40	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	3.20	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	UD	17.8	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	UD	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	3.00	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	57.9	D	4.60	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	2.40	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	2.60	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	4.80	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	UD	2.40	10.0	20.0	ug/L
100-42-5	Styrene	10.0	UD	3.00	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	UD	3.80	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.40	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	5.20	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	3.80	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	3.20	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	UD	10.6	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.00	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	UD	4.00	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66200	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018				

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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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE131D3-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-08DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045385.D	20		03/21/25 14:04	VX032125

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\VX032125\
Data File : VX045385.D
Acq On : 21 Mar 2025 14:04
Operator : JC/MD
Sample : Q1582-08DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Quant Time: Mar 21 23:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

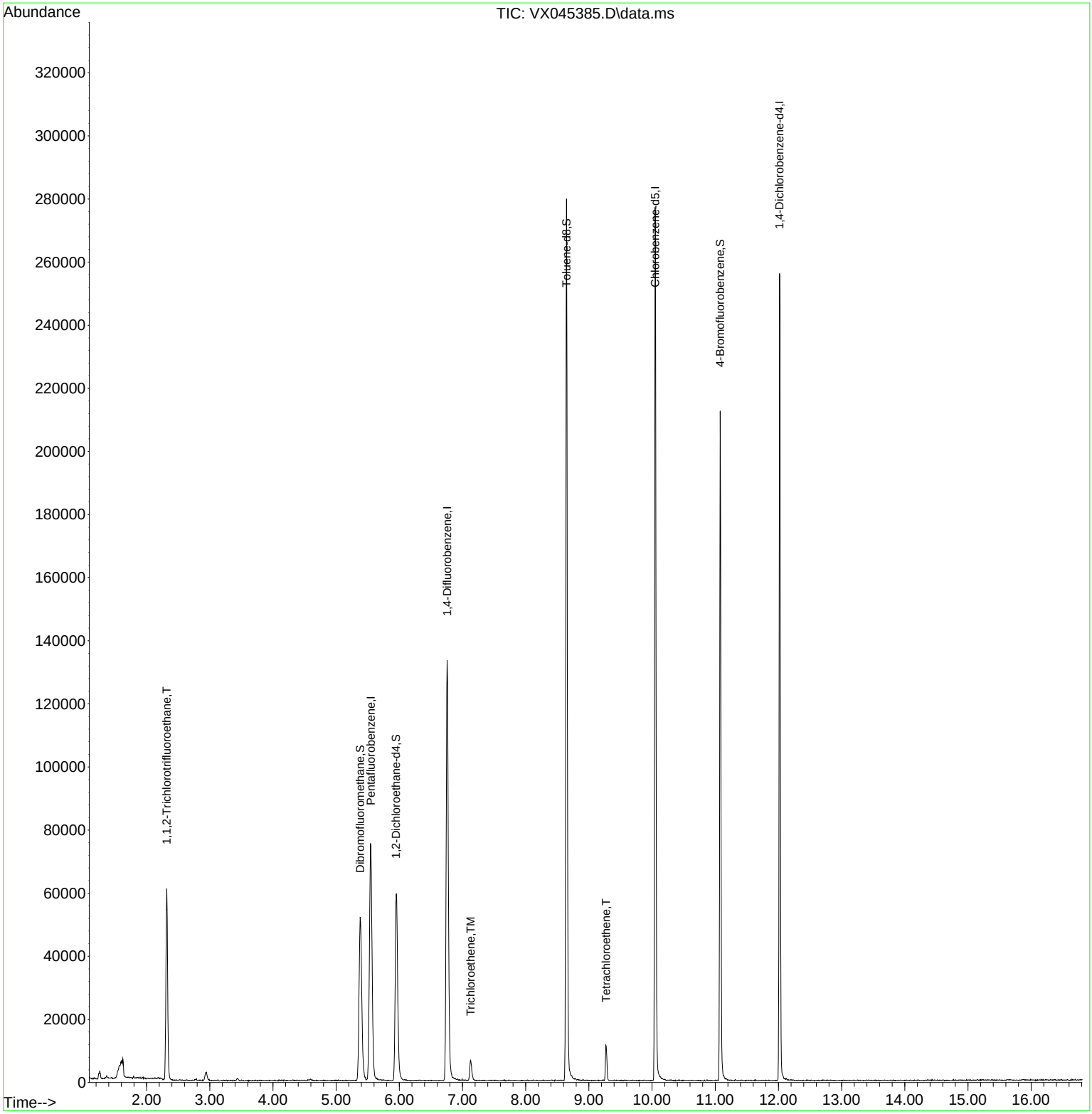
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58486	55.564	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.120%			
35) Dibromofluoromethane	5.379	113	44956	51.726	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	8.647	98	158184	50.203	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.400%			
62) 4-Bromofluorobenzene	11.079	95	54783	52.469	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.940%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	24159	31.412	ug/l	96
44) Trichloroethene	7.129	130	2621	2.966	ug/l	79
64) Tetrachloroethene	9.275	164	2229	2.894	ug/l	88

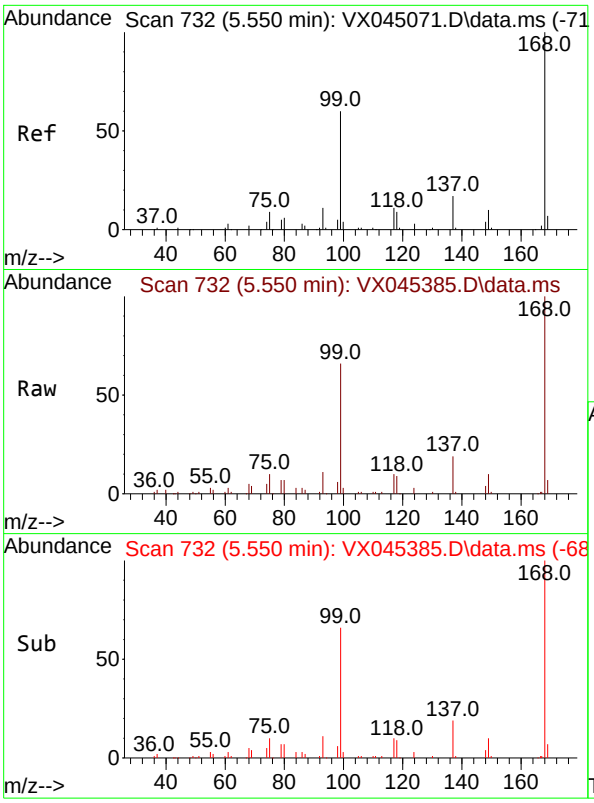
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045385.D
Acq On : 21 Mar 2025 14:04
Operator : JC/MD
Sample : Q1582-08DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Quant Time: Mar 21 23:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



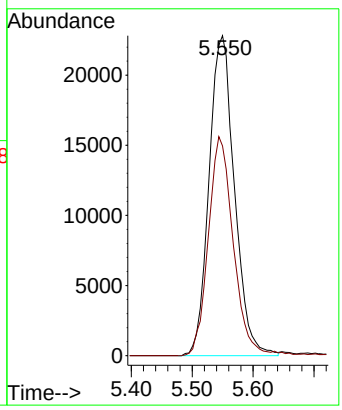


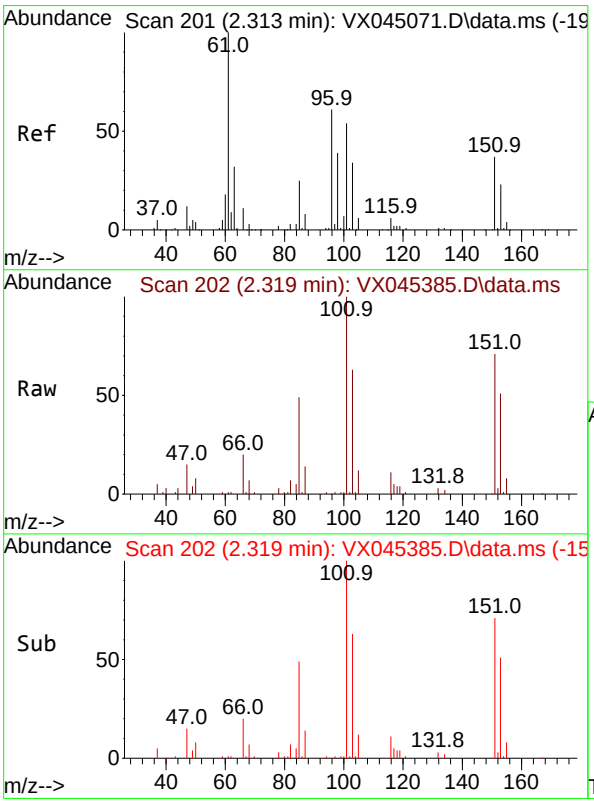
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Tgt Ion:168 Resp: 66174

Ion	Ratio	Lower	Upper
168	100		
99	65.5	48.2	72.4

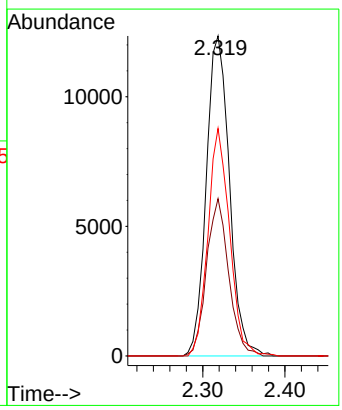


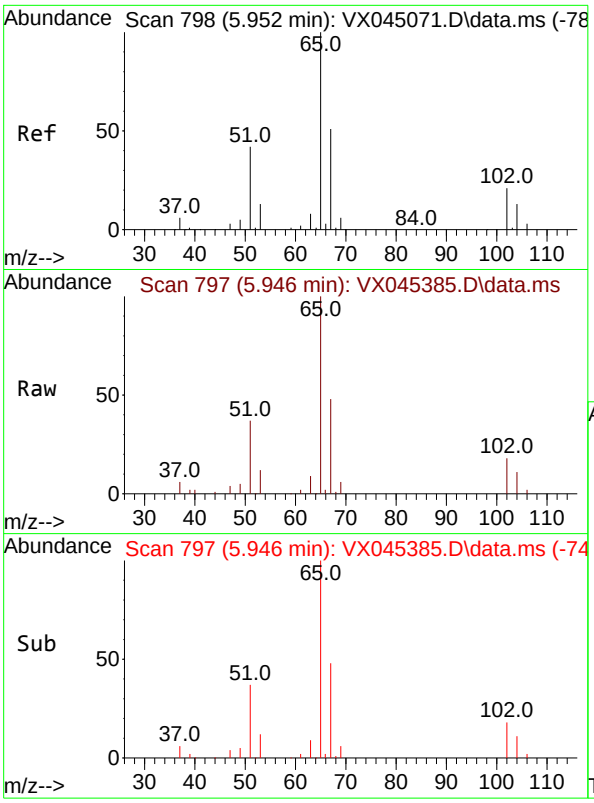


#9
1,1,2-Trichlorotrifluoroethane
Concen: 31.412 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Tgt Ion:101 Resp: 24159

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	66.7	56.4	84.6



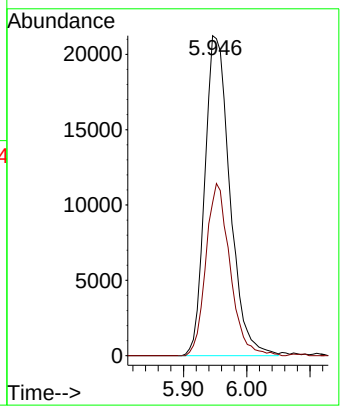


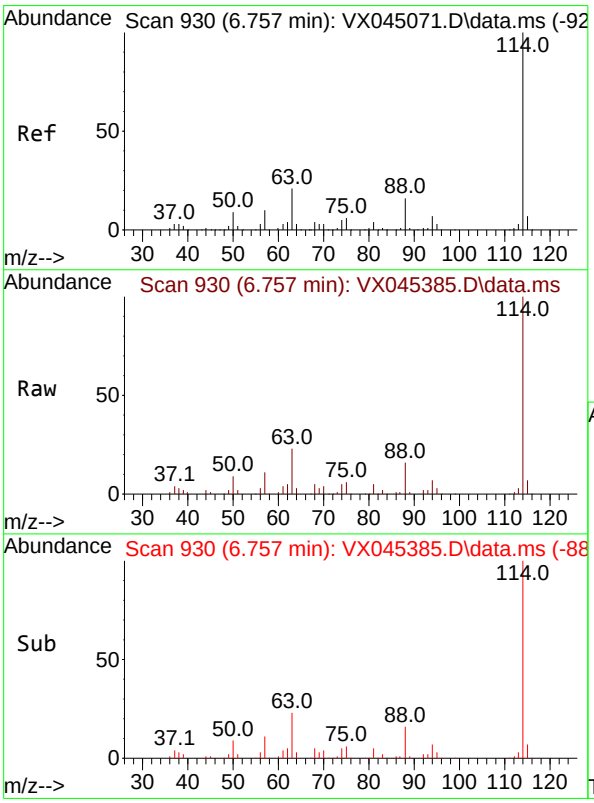
#33
1,2-Dichloroethane-d4
Concen: 55.564 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Tgt Ion: 65 Resp: 58486

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

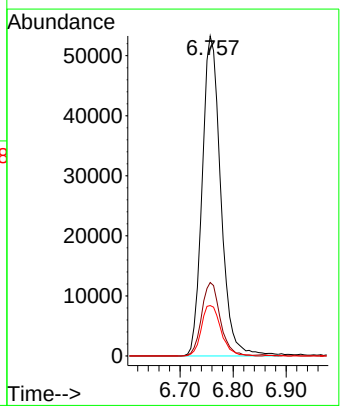


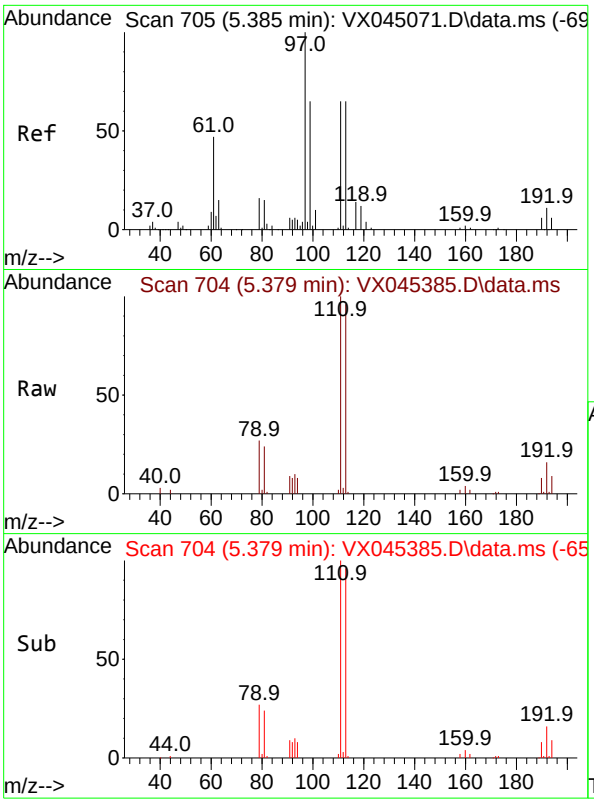


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Tgt Ion:114 Resp: 129977

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	15.8	0.0	32.8



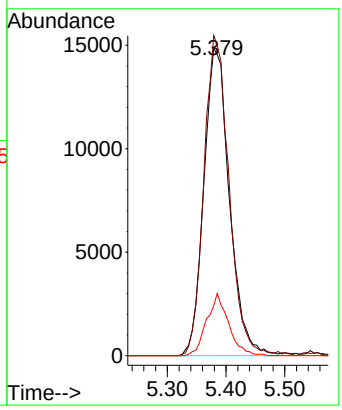


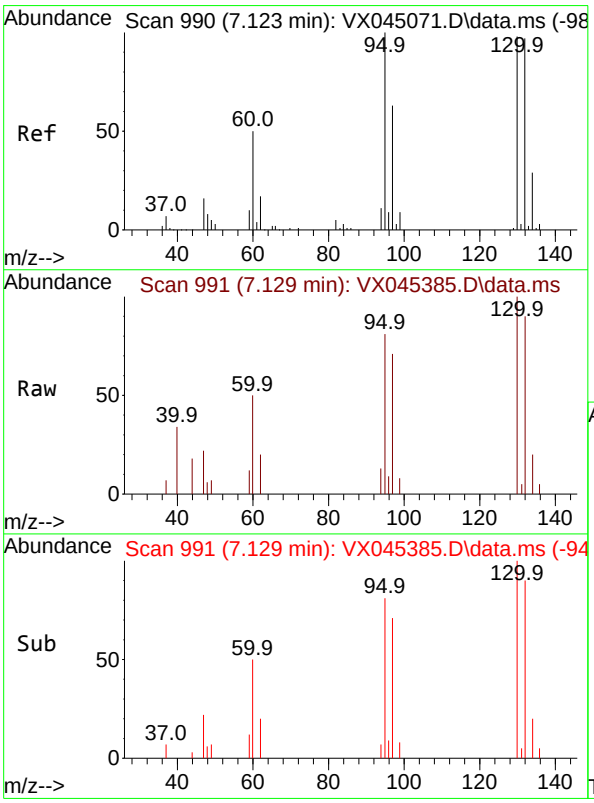
#35
Dibromofluoromethane
Concen: 51.726 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Tgt Ion:113 Resp: 44956

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.6
192	17.2	14.3	21.5

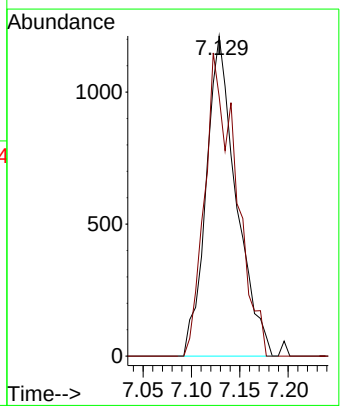


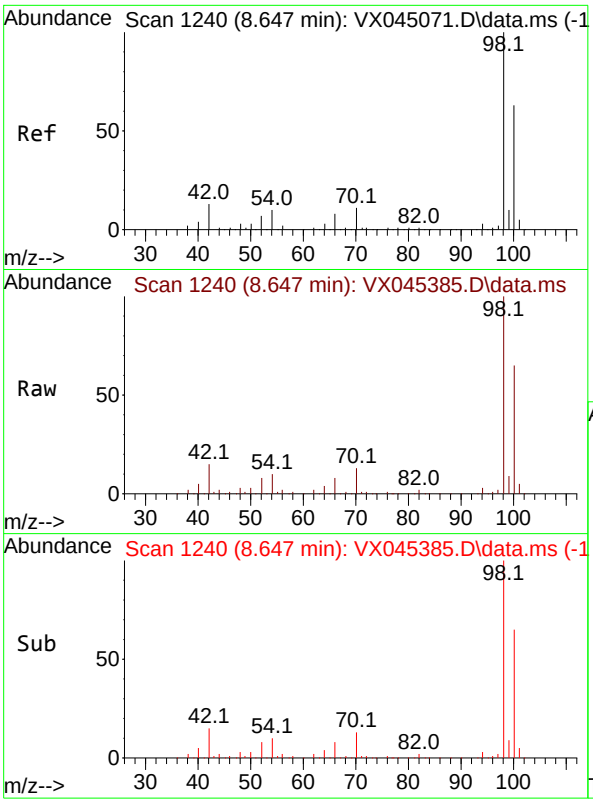


#44
Trichloroethene
Concen: 2.966 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Tgt Ion:130 Resp: 2621

Ion	Ratio	Lower	Upper
130	100		
95	81.0	0.0	205.0



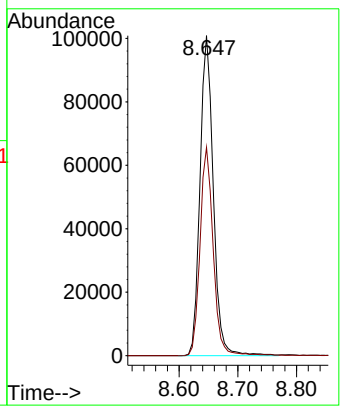


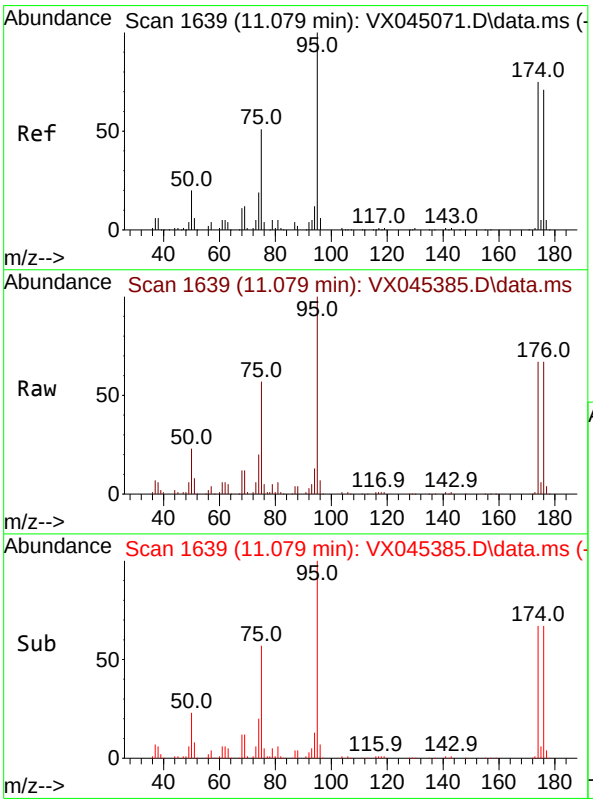
#50
Toluene-d8
Concen: 50.203 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Tgt Ion: 98 Resp: 158184

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

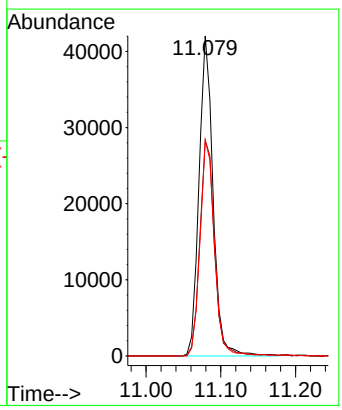


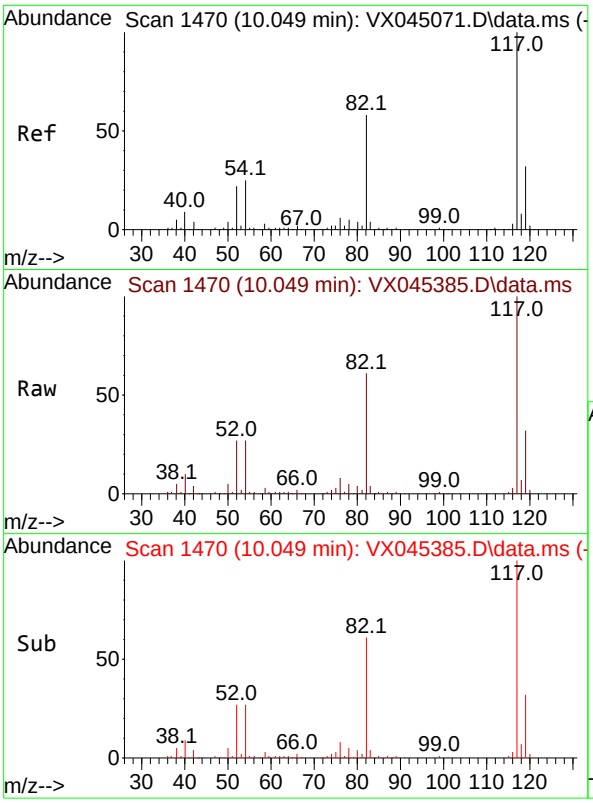


#62
4-Bromofluorobenzene
Concen: 52.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Tgt Ion: 95 Resp: 54783

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	148.2
176	69.1	0.0	141.4



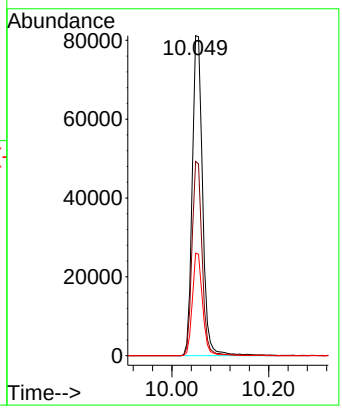


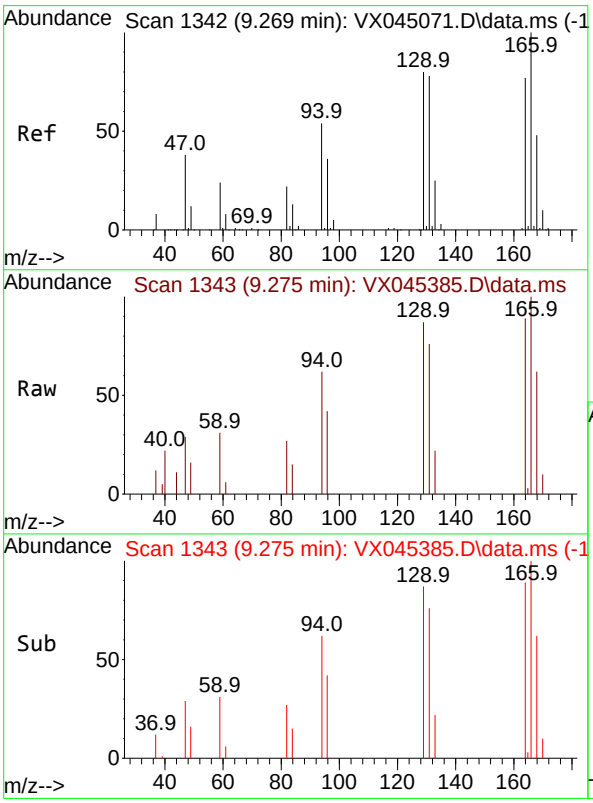
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Tgt Ion:117 Resp: 120263

Ion	Ratio	Lower	Upper
117	100		
82	60.7	46.3	69.5
119	32.1	25.7	38.5

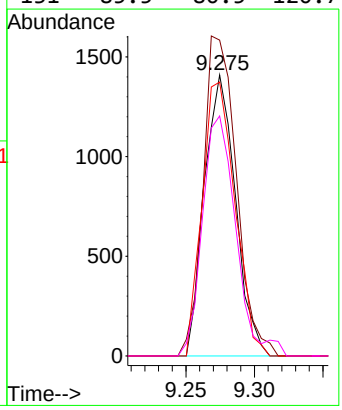


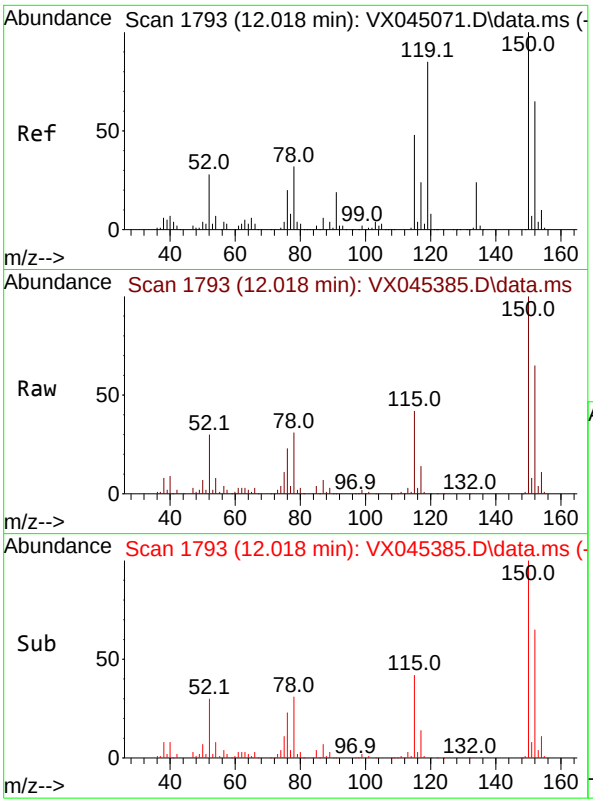


#64
Tetrachloroethene
Concen: 2.894 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Tgt Ion:164 Resp: 2229

Ion	Ratio	Lower	Upper
164	100		
166	112.4	103.6	155.4
129	97.5	82.7	124.1
131	85.5	80.5	120.7



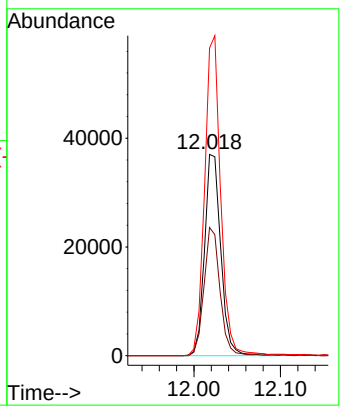


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045385.D
Acq: 21 Mar 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20250313DL

Tgt Ion:152 Resp: 48451

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	156.0	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT119S1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-09	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045388.D	1		03/21/25 15:14	VX032125

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	1.90	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	2.00		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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT119S1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-09	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045388.D	1		03/21/25 15:14	VX032125

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	0.53	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	55.3		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67000	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	115000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	41300	12.024				

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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT119S1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-09	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045388.D	1		03/21/25 15:14	VX032125

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\VX032125\
Data File : VX045388.D
Acq On : 21 Mar 2025 15:14
Operator : JC/MD
Sample : Q1582-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Quant Time: Mar 21 23:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

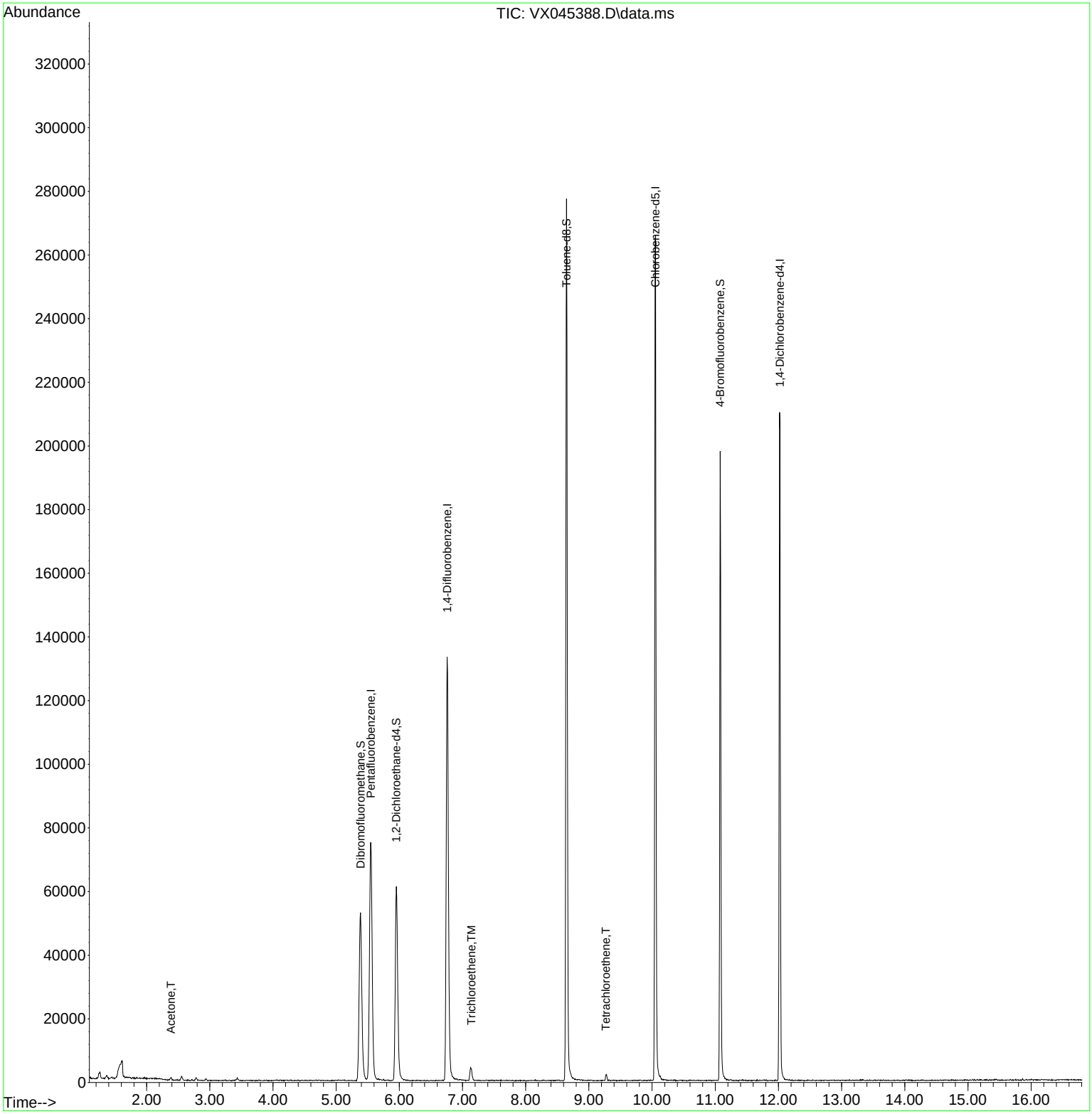
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58910	55.281	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.560%			
35) Dibromofluoromethane	5.385	113	45756	52.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.540%			
50) Toluene-d8	8.647	98	159091	50.613	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	49513	47.536	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.080%			
Target Compounds						Qvalue
16) Acetone	2.386	43	923	1.867	ug/l	96
44) Trichloroethene	7.141	130	1740	1.974	ug/l	88
64) Tetrachloroethene	9.268	164	393	0.534	ug/l #	91

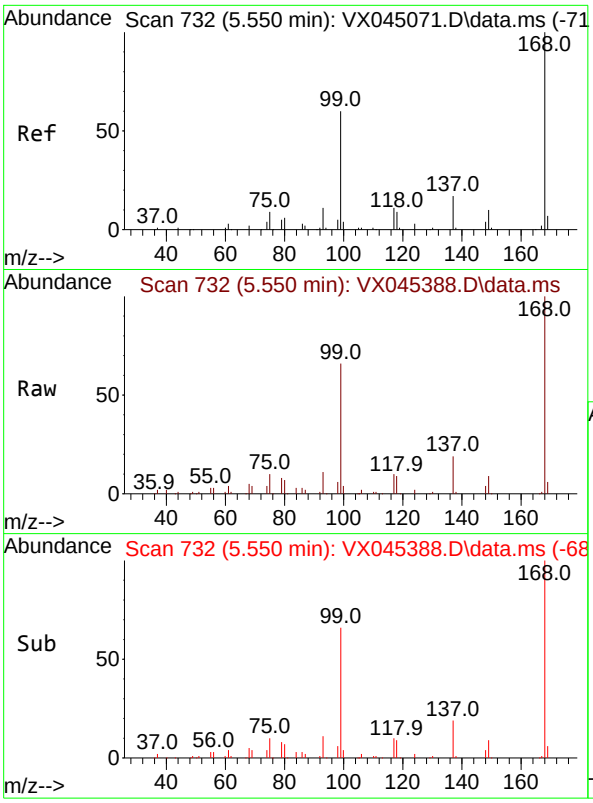
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045388.D
Acq On : 21 Mar 2025 15:14
Operator : JC/MD
Sample : Q1582-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Quant Time: Mar 21 23:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



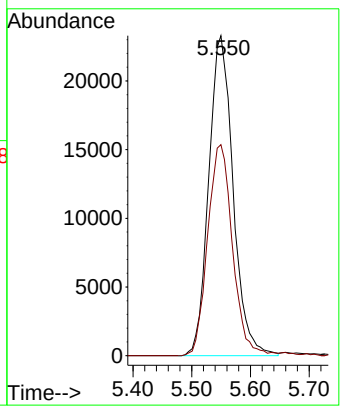


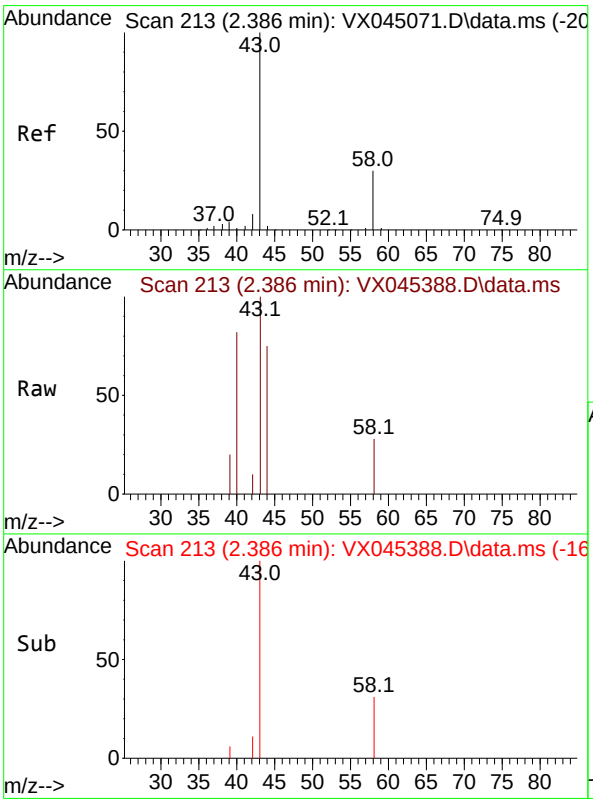
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Tgt Ion:168 Resp: 66994

Ion	Ratio	Lower	Upper
168	100		
99	66.0	48.2	72.4

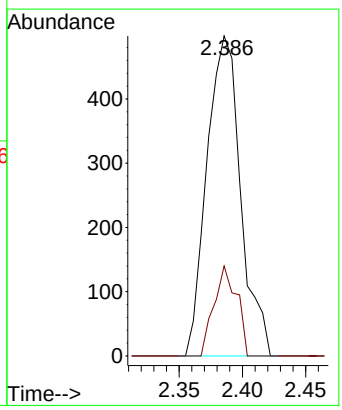


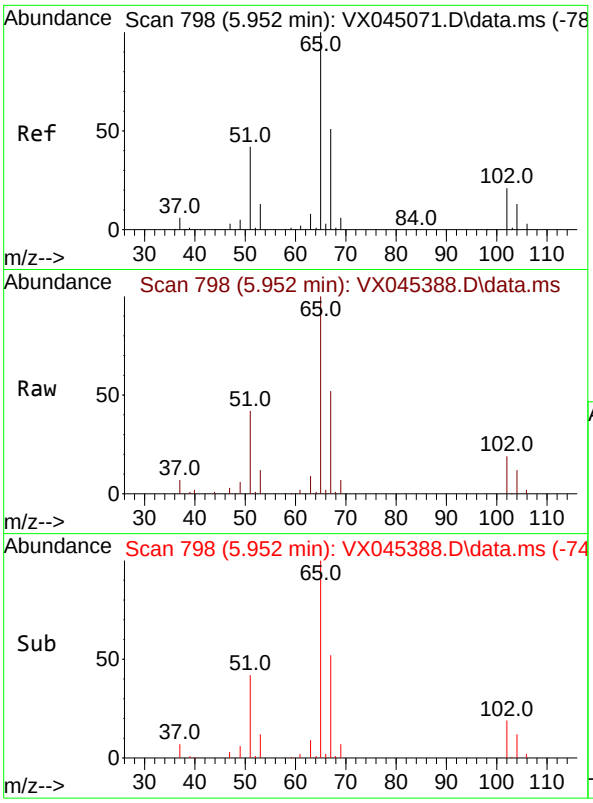


#16
Acetone
Concen: 1.867 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Tgt Ion: 43 Resp: 923

Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.2	36.4



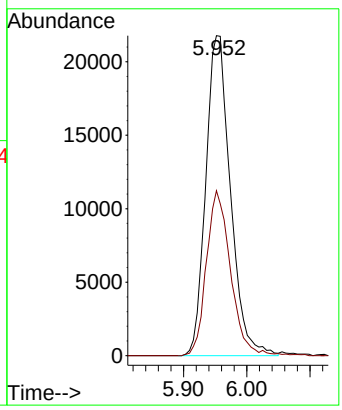


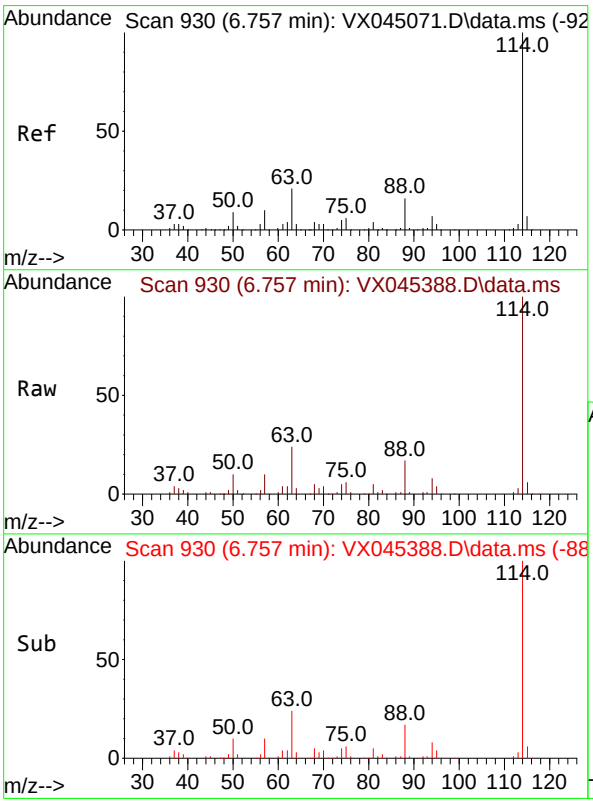
#33
1,2-Dichloroethane-d4
Concen: 55.281 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Tgt Ion: 65 Resp: 58910

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	106.2

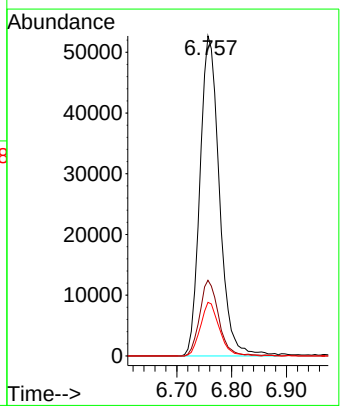


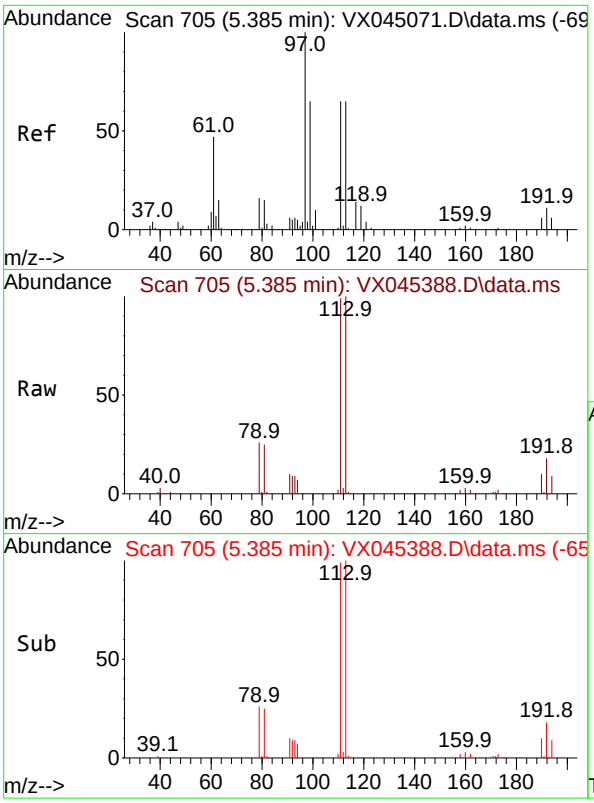


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Tgt Ion:114 Resp: 129665

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.8	0.0	32.8



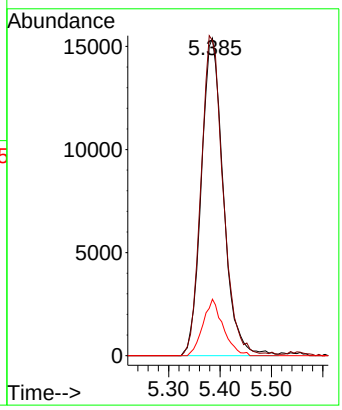


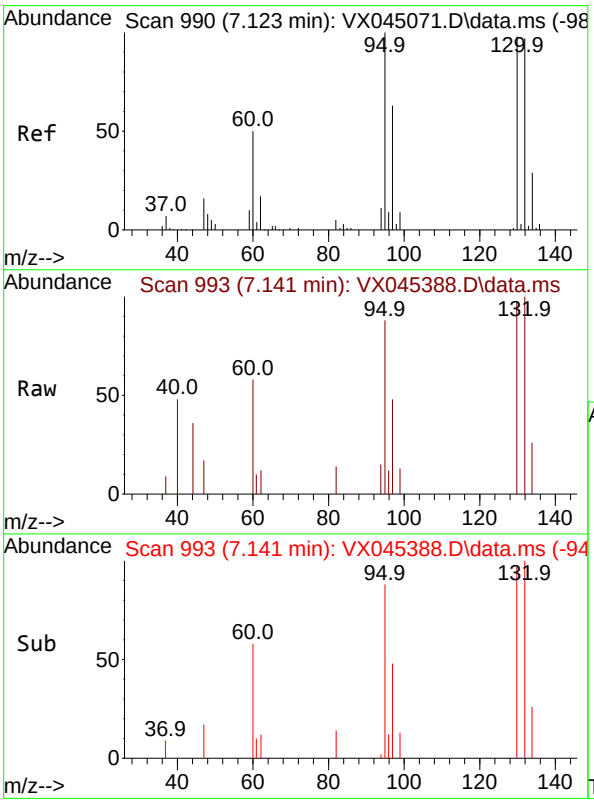
#35
Dibromofluoromethane
Concen: 52.773 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Tgt Ion:113 Resp: 45756

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	16.4	14.3	21.5

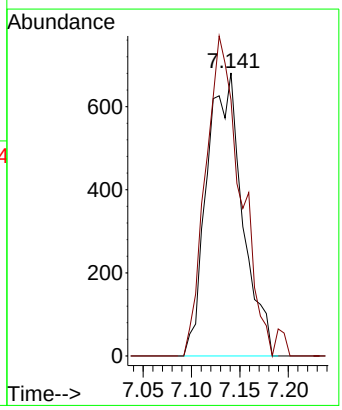


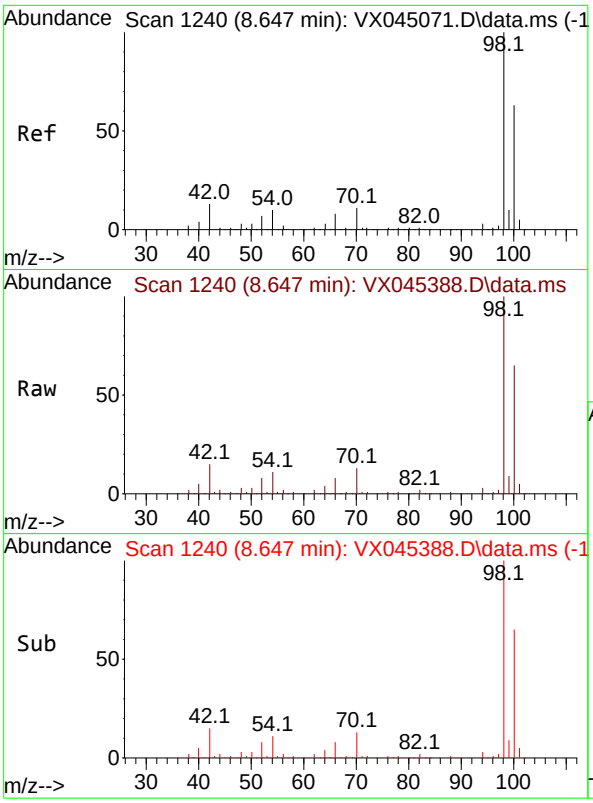


#44
Trichloroethene
Concen: 1.974 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.018 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Tgt Ion:130 Resp: 1740

Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	205.0



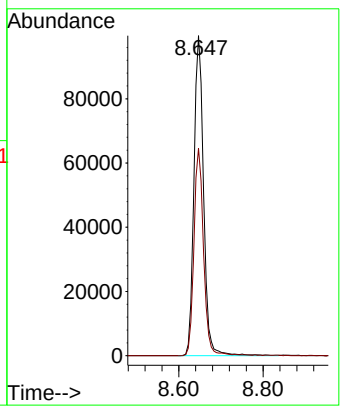


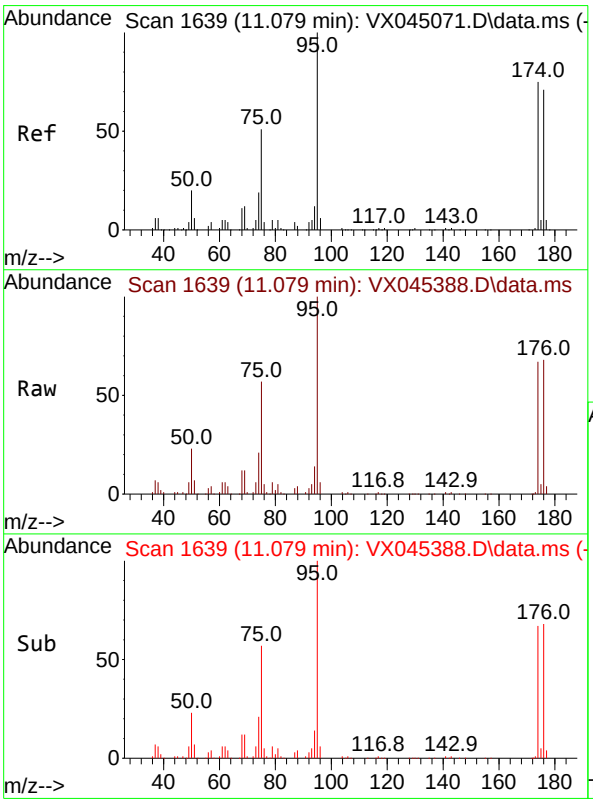
#50
Toluene-d8
Concen: 50.613 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Tgt Ion: 98 Resp: 159091

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

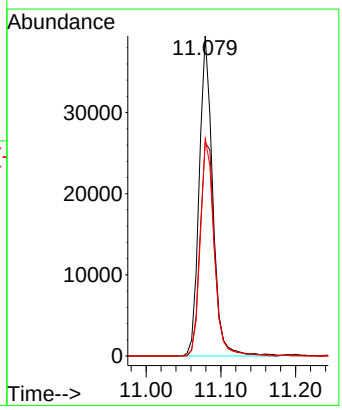


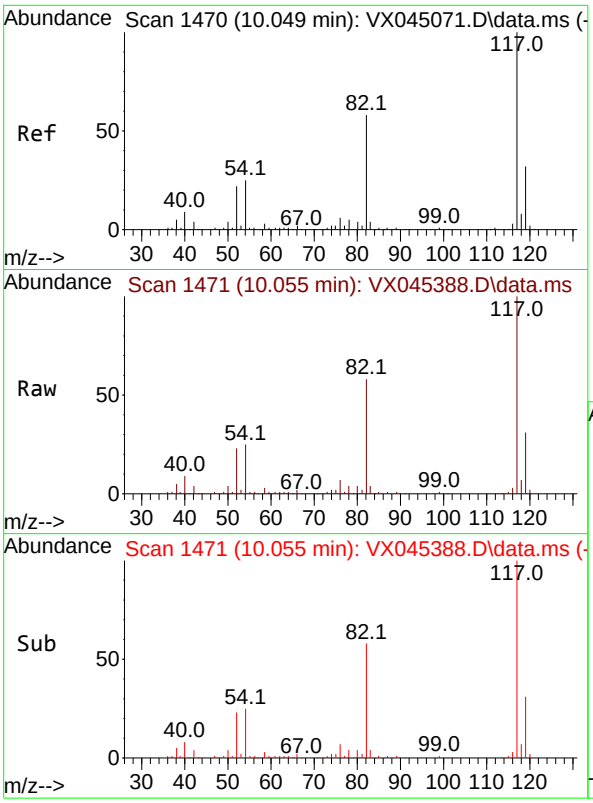


#62
4-Bromofluorobenzene
Concen: 47.536 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Tgt Ion: 95 Resp: 49513

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	148.2
176	69.3	0.0	141.4



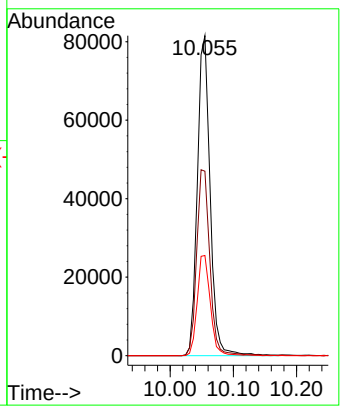


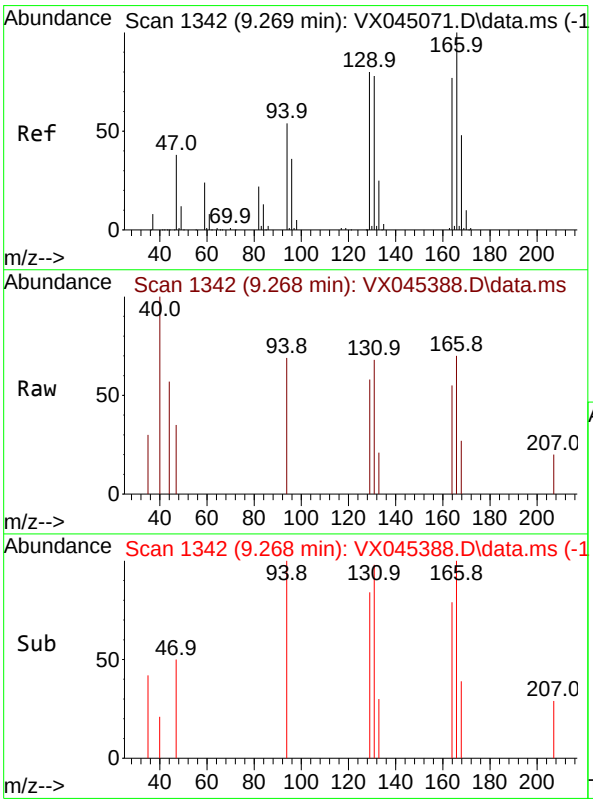
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Tgt Ion:117 Resp: 114806

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.3	69.5
119	31.3	25.7	38.5

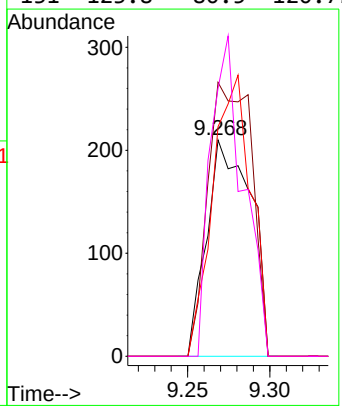


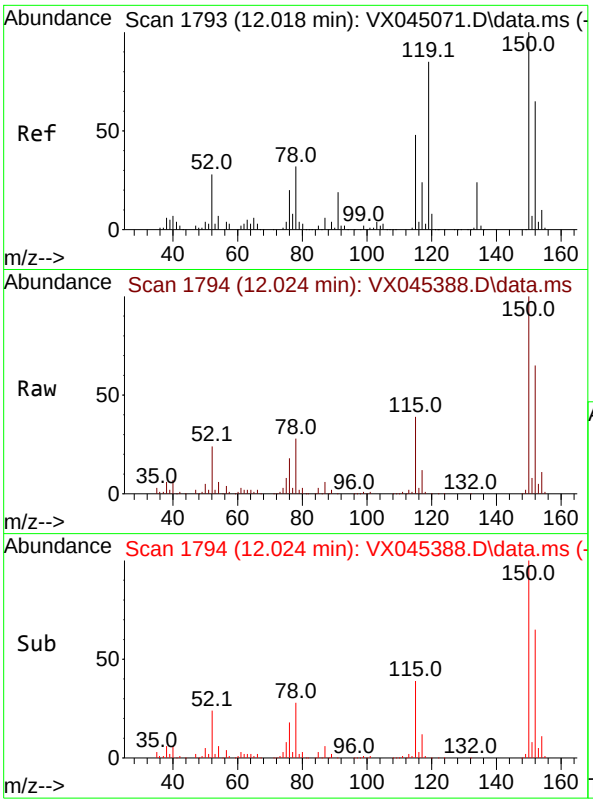


#64
Tetrachloroethene
Concen: 0.534 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Tgt Ion:164 Resp: 393

Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.6	155.4
129	106.2	82.7	124.1
131	123.8	80.5	120.7#



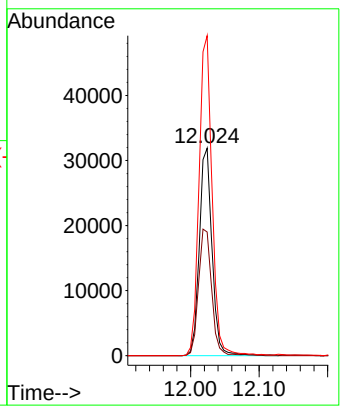


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045388.D
Acq: 21 Mar 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20250313

Tgt Ion:152 Resp: 41321

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.2	132.6
150	157.8	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE114D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-10	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045370.D	1		03/20/25 18:42	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		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	25.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	3.50		0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.80	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	2.20		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.70		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	2.70		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	390	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

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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE114D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-10	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045370.D	1		03/20/25 18:42	VX032025

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	1.20		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.4		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67000	5.544				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	40300	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE114D1-20250313	SDG No.:	Q1582
Lab Sample ID:	Q1582-10	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045370.D	1		03/20/25 18:42	VX032025

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\VX032025\
Data File : VX045370.D
Acq On : 20 Mar 2025 18:42
Operator : JC/MD
Sample : Q1582-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Quant Time: Mar 21 01:53:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

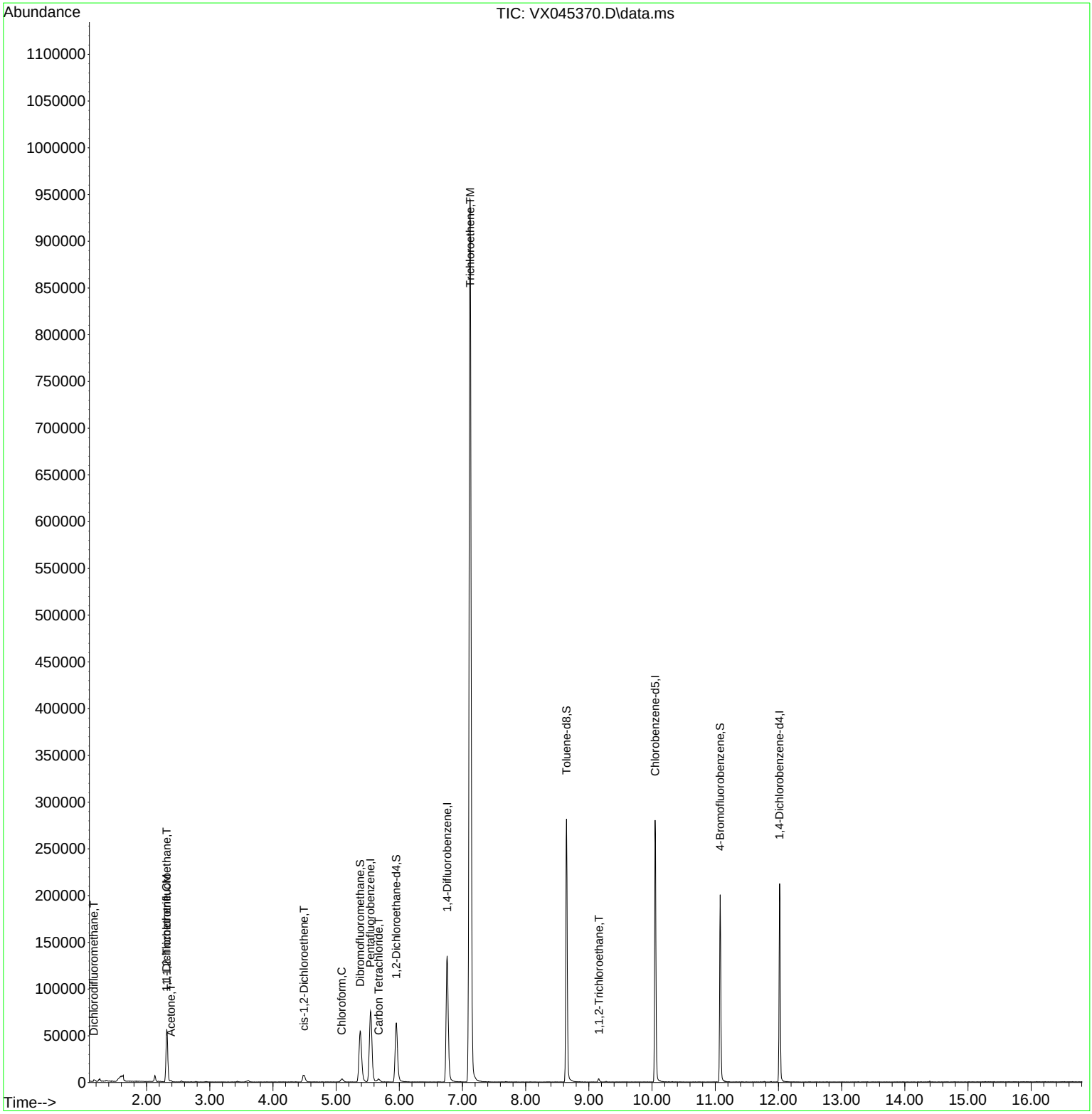
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	40317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61124	57.387	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.780%			
35) Dibromofluoromethane	5.379	113	46530	52.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	8.647	98	162641	50.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	11.079	95	51938	49.111	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	950	1.127	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.319	101	19924	25.601	ug/l	97
12) 1,1-Dichloroethene	2.313	96	2872	3.490	ug/l	86
16) Acetone	2.386	43	1362	2.756	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	4703	4.687	ug/l	97
30) Chloroform	5.086	83	4423	2.667	ug/l	85
38) Carbon Tetrachloride	5.672	117	2641	2.155	ug/l	99
44) Trichloroethene	7.123	130	347433	388.124	ug/l	99
55) 1,1,2-Trichloroethane	9.159	97	1121	1.217	ug/l	95

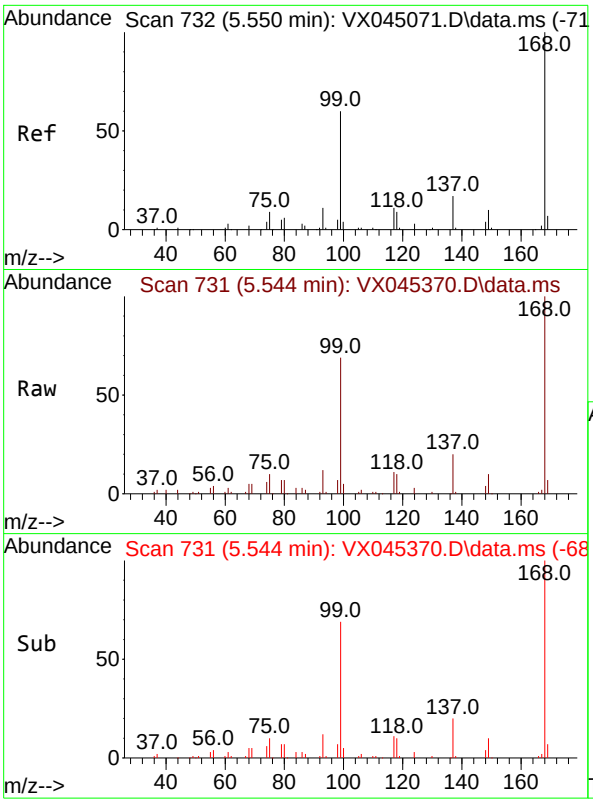
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045370.D
Acq On : 20 Mar 2025 18:42
Operator : JC/MD
Sample : Q1582-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Quant Time: Mar 21 01:53:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



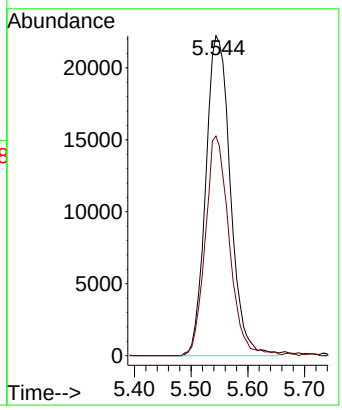


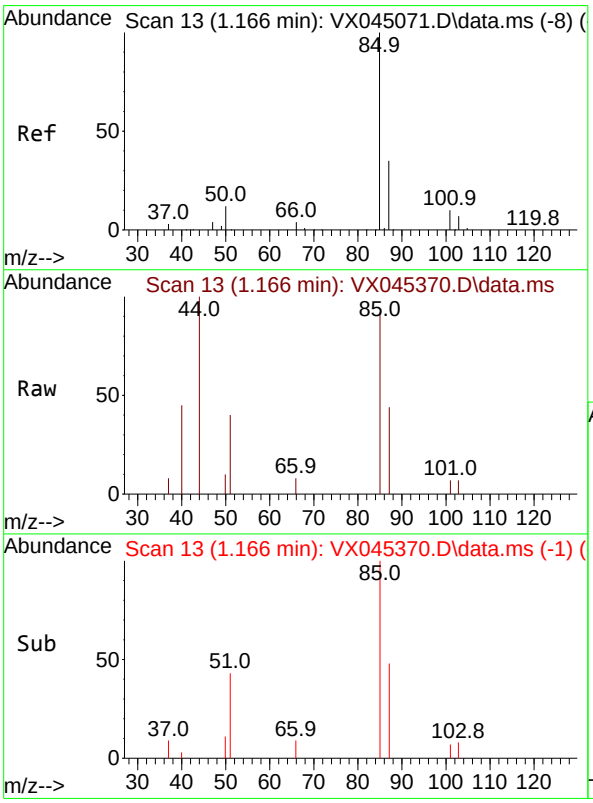
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion:168 Resp: 66961

Ion	Ratio	Lower	Upper
168	100		
99	68.7	48.2	72.4

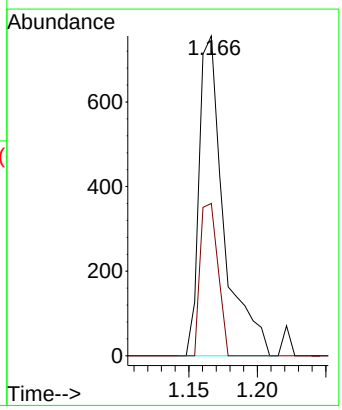


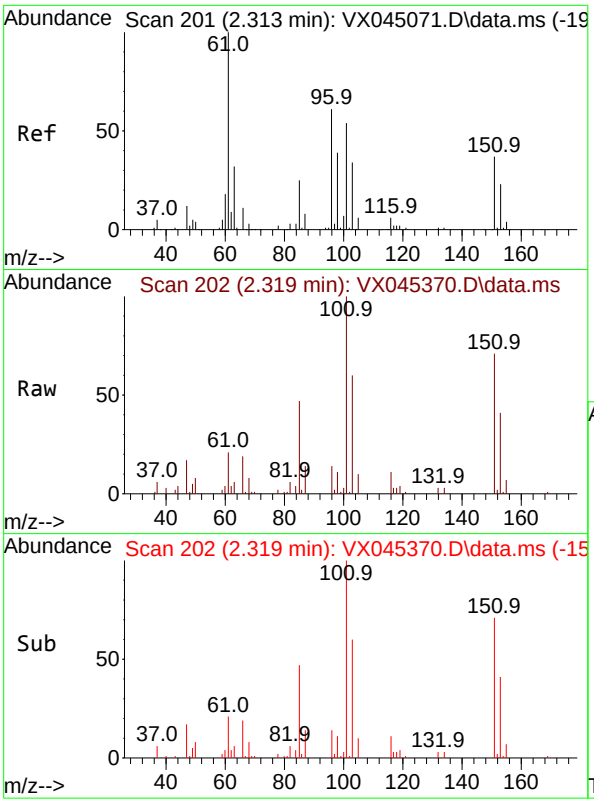


#2
Dichlorodifluoromethane
Concen: 1.127 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion: 85 Resp: 950

Ion	Ratio	Lower	Upper
85	100		
87	47.6	17.4	52.3



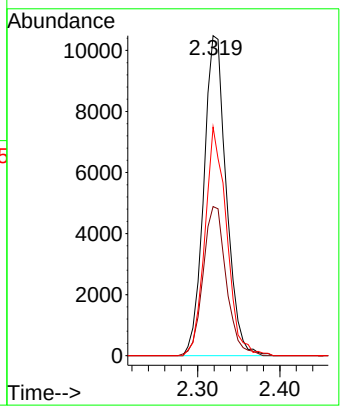


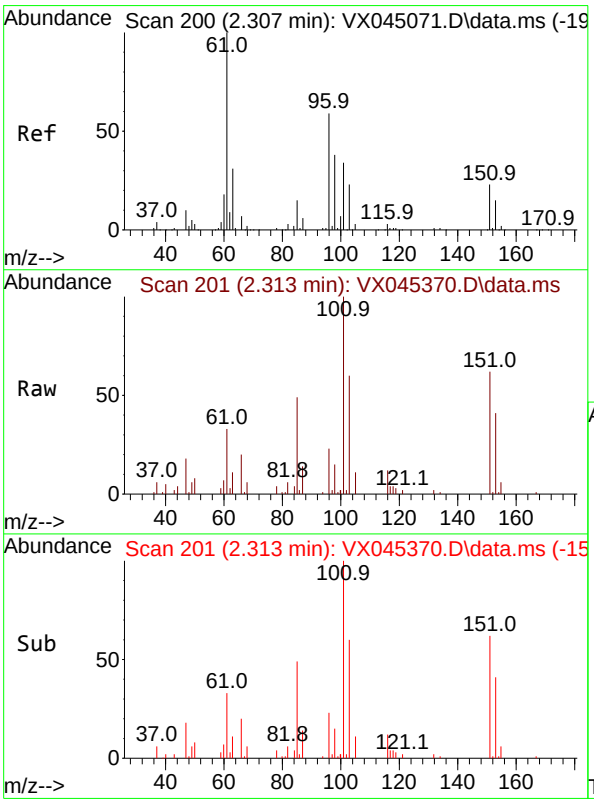
#9
1,1,2-Trichlorotrifluoroethane
Concen: 25.601 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion:101 Resp: 19924

Ion	Ratio	Lower	Upper
101	100		
85	48.0	36.2	54.4
151	68.9	56.4	84.6

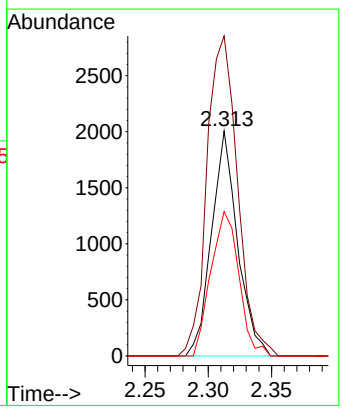


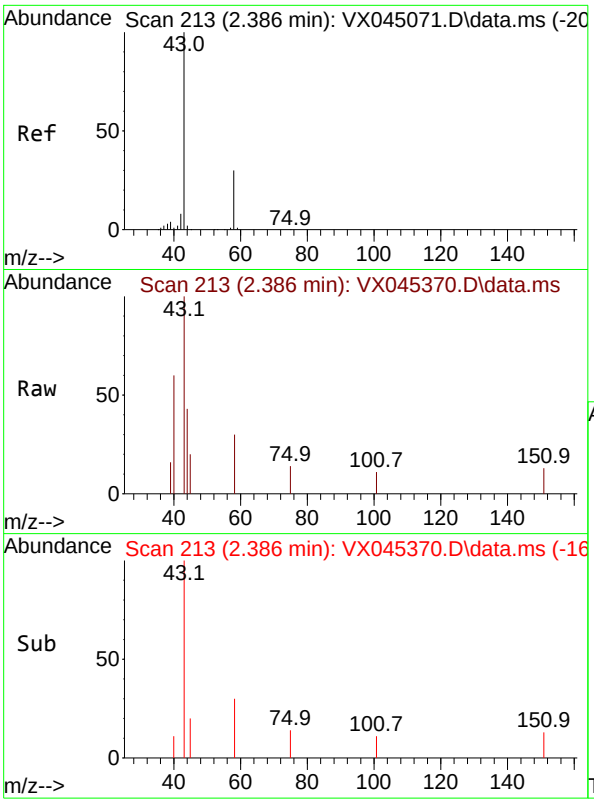


#12
1,1-Dichloroethene
Concen: 3.490 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion: 96 Resp: 2872

Ion	Ratio	Lower	Upper
96	100		
61	142.3	134.6	202.0
98	64.3	51.0	76.6



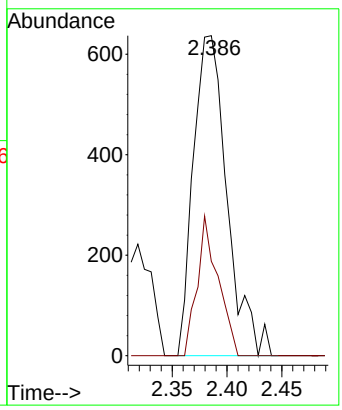


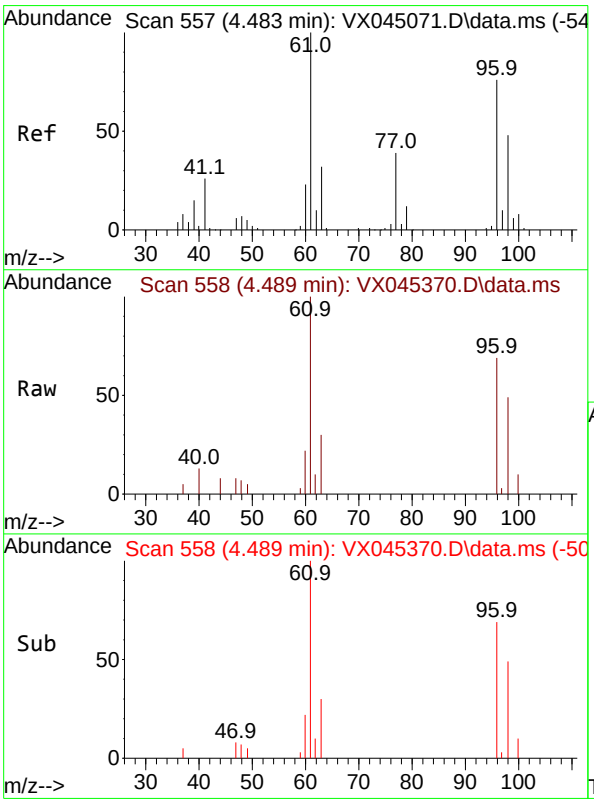
#16
Acetone
Concen: 2.756 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion: 43 Resp: 1362

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4

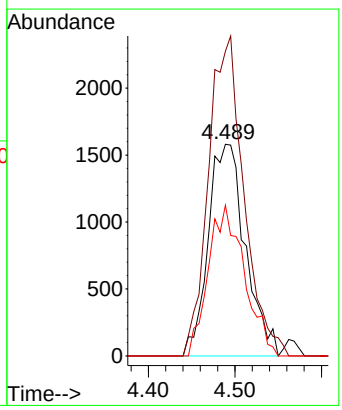


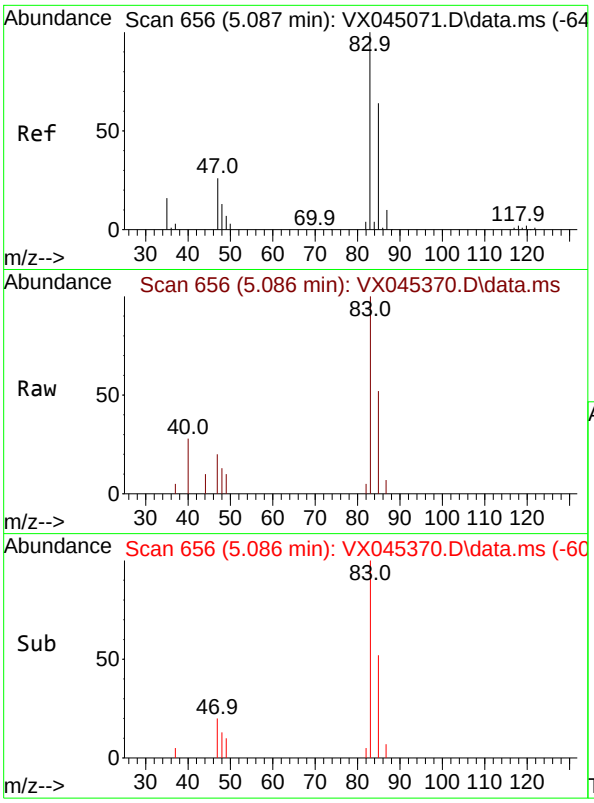


#27
cis-1,2-Dichloroethene
Concen: 4.687 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion: 96 Resp: 4703

Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	283.2
98	69.0	0.0	128.0



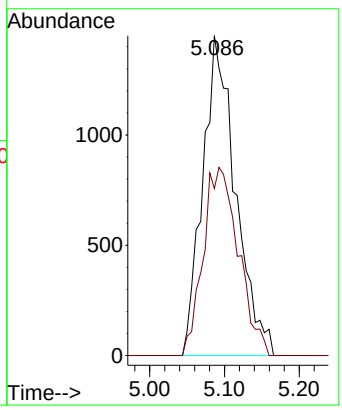


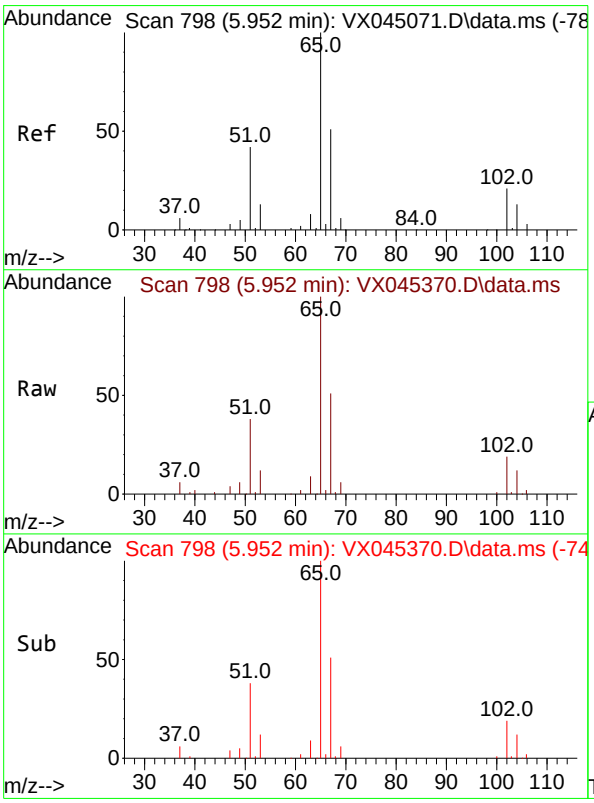
#30
Chloroform
Concen: 2.667 ug/l
RT: 5.086 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion: 83 Resp: 4423

Ion	Ratio	Lower	Upper
83	100		
85	52.2	51.4	77.2

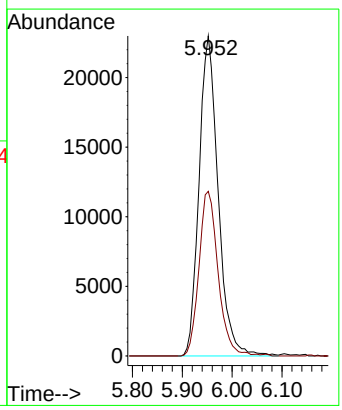


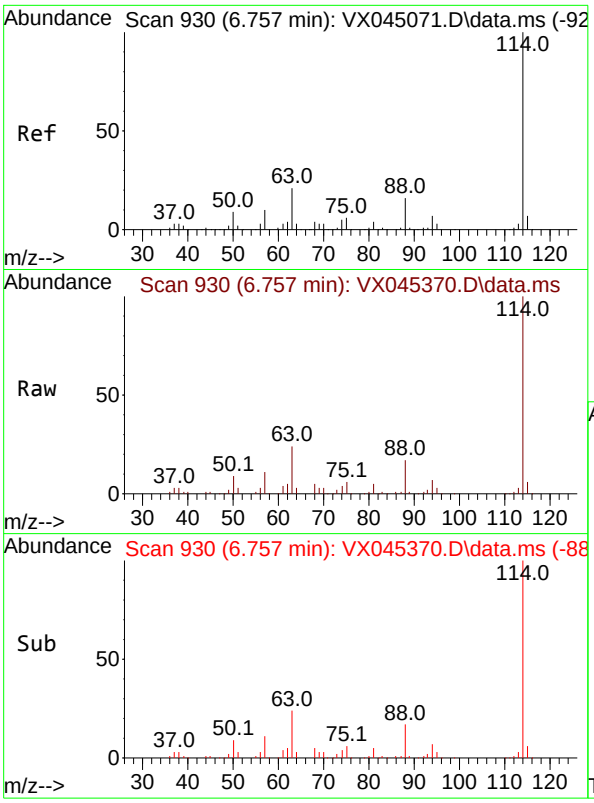


#33
1,2-Dichloroethane-d4
Concen: 57.387 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion: 65 Resp: 61124

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.2



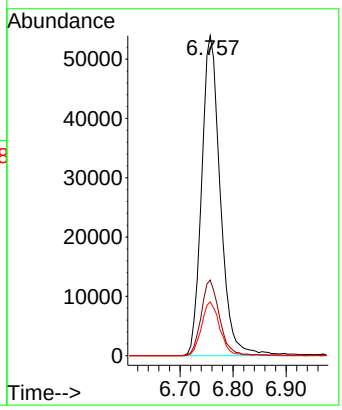


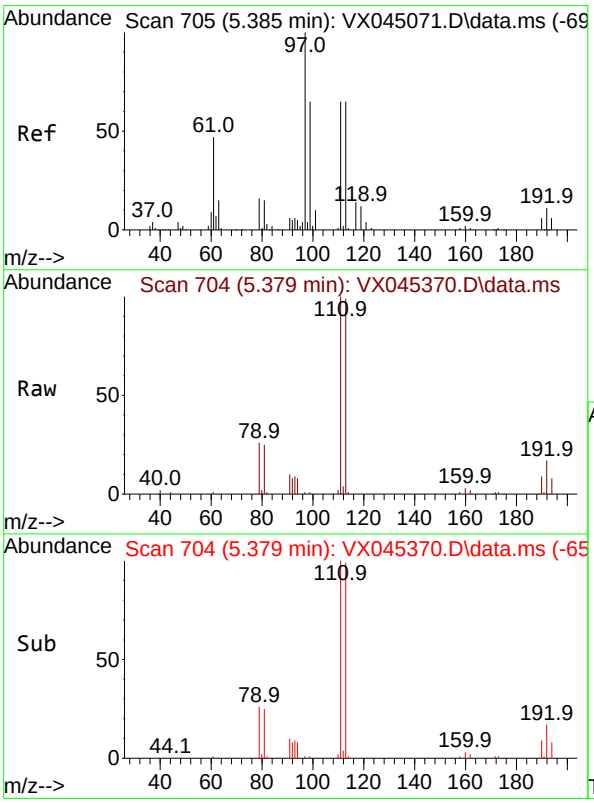
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion:114 Resp: 131652

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.8	0.0	32.8

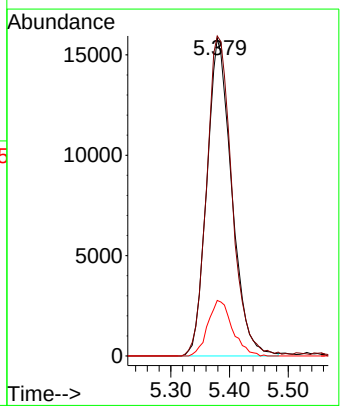


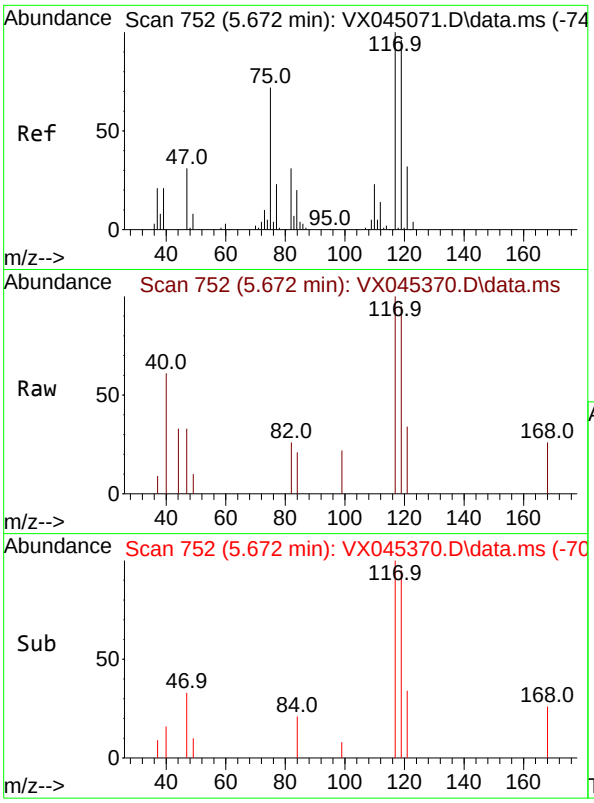


#35
Dibromofluoromethane
Concen: 52.856 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion:113 Resp: 46530

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.2	14.3	21.5



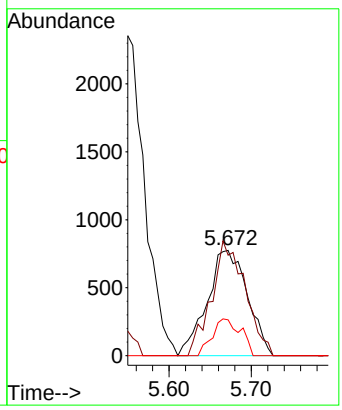


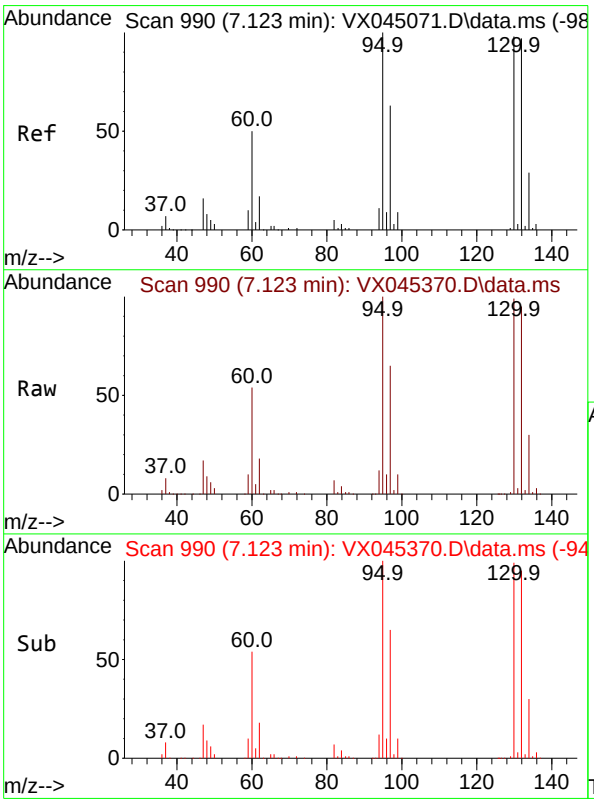
#38
Carbon Tetrachloride
Concen: 2.155 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion:117 Resp: 2641

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
121	33.9	25.5	38.3

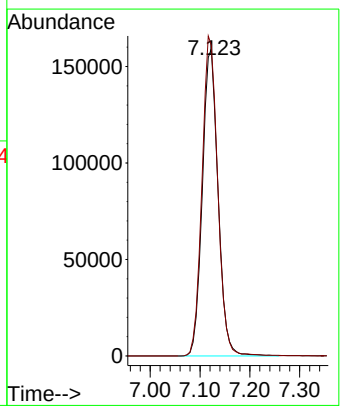


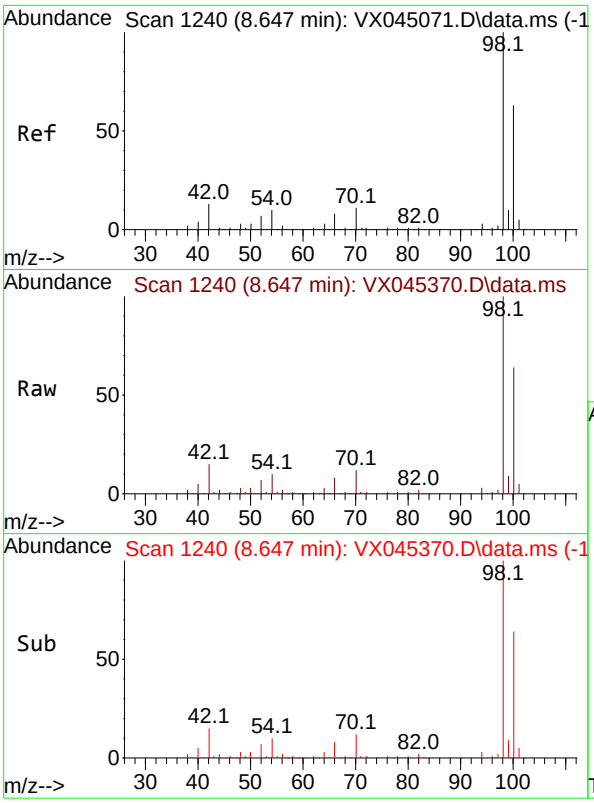


#44
Trichloroethene
Concen: 388.124 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion:130 Resp: 347433

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



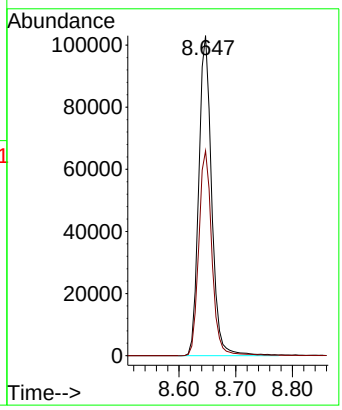


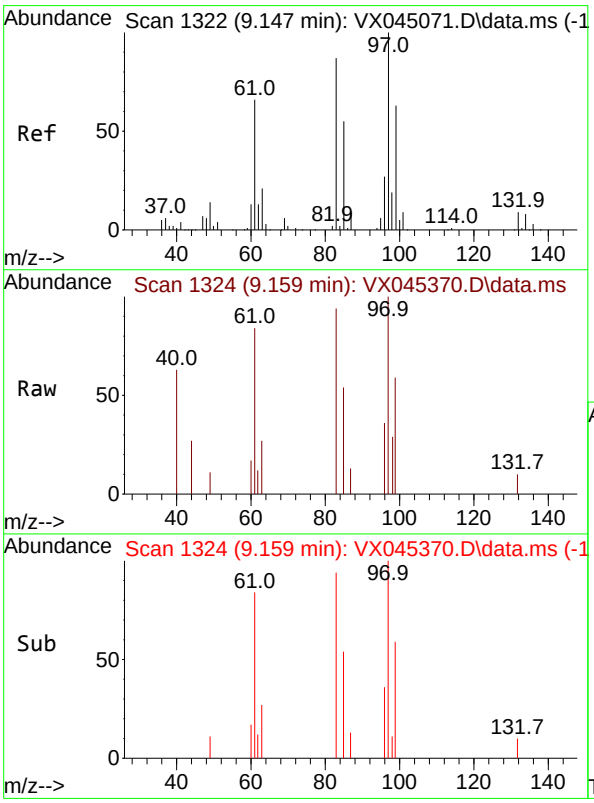
#50
Toluene-d8
Concen: 50.961 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion: 98 Resp: 162641

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

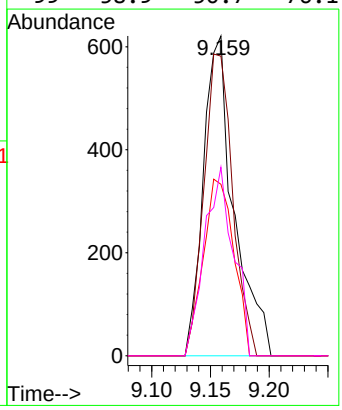


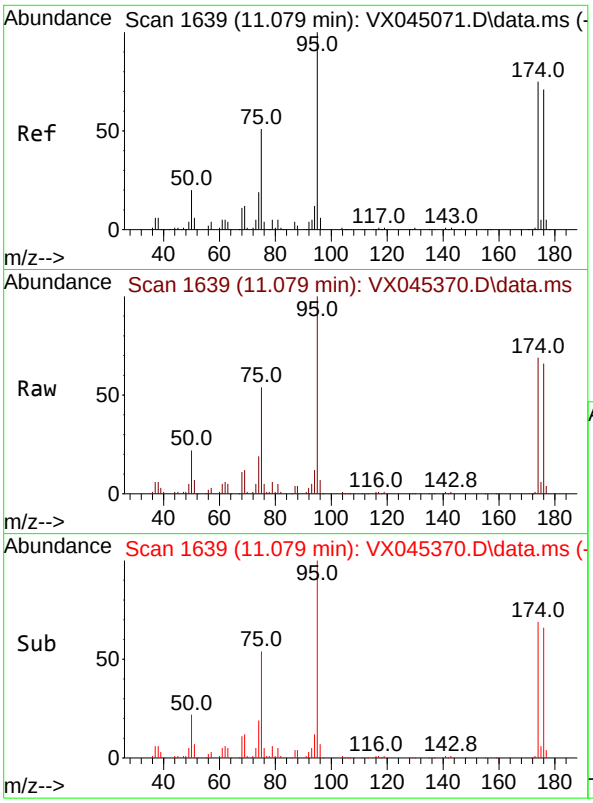


#55
1,1,2-Trichloroethane
Concen: 1.217 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion: 97 Resp: 1121

Ion	Ratio	Lower	Upper
97	100		
83	93.7	69.4	104.2
85	53.6	44.1	66.1
99	58.9	50.7	76.1



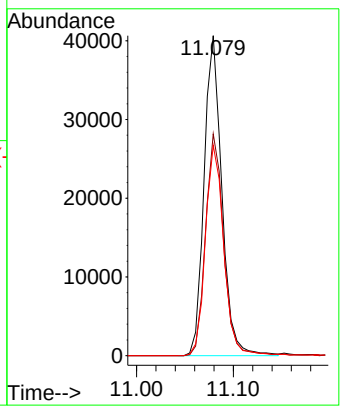


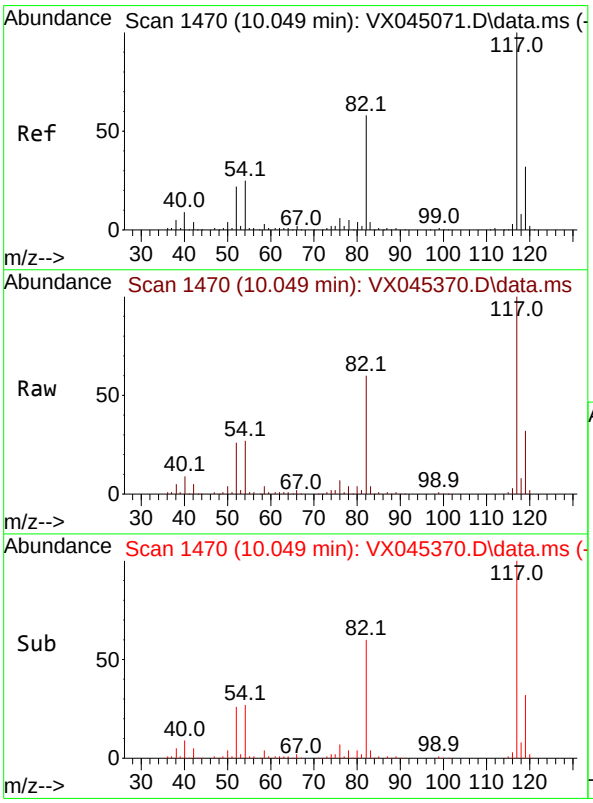
#62
4-Bromofluorobenzene
Concen: 49.111 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion: 95 Resp: 51938

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	68.6	0.0	141.4

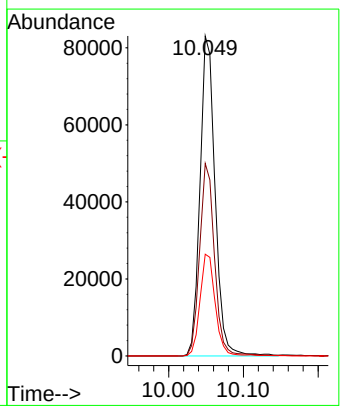


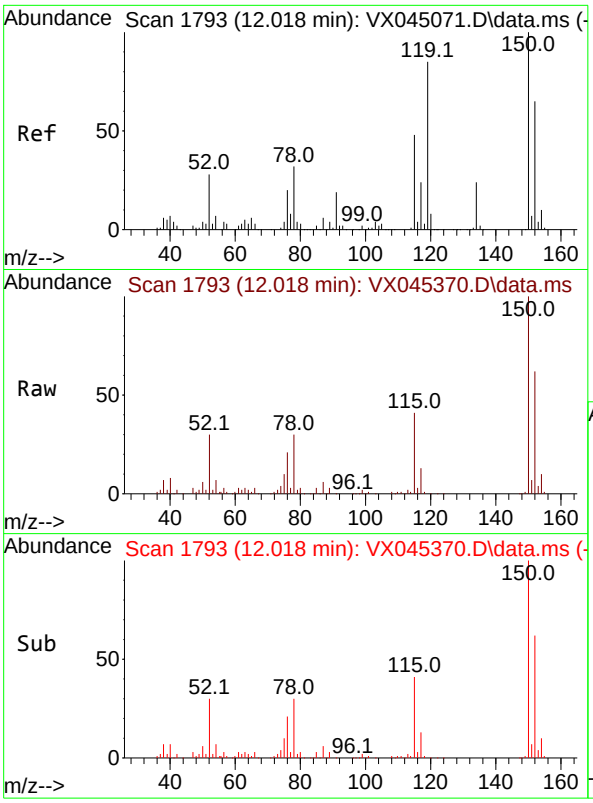


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Tgt Ion:117 Resp: 116452

Ion	Ratio	Lower	Upper
117	100		
82	60.2	46.3	69.5
119	31.8	25.7	38.5



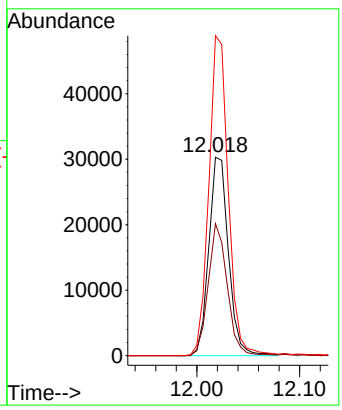


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045370.D
Acq: 20 Mar 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313

Tgt Ion:152 Resp: 40317

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.2	132.6
150	160.0	0.0	349.0



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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE114D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-10DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045384.D	10		03/21/25 13:41	VX032125

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	25.7	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	370	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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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE114D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-10DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045384.D	10		03/21/25 13:41	VX032125

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	56.0		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	63600	5.544				
540-36-3	1,4-Difluorobenzene	123000	6.757				
3114-55-4	Chlorobenzene-d5	113000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	43800	12.024				

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:	03/13/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	RE114D1-20250313DL	SDG No.:	Q1582
Lab Sample ID:	Q1582-10DL	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045384.D	10		03/21/25 13:41	VX032125

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\VX032125\
Data File : VX045384.D
Acq On : 21 Mar 2025 13:41
Operator : JC/MD
Sample : Q1582-10DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Quant Time: Mar 21 23:14:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

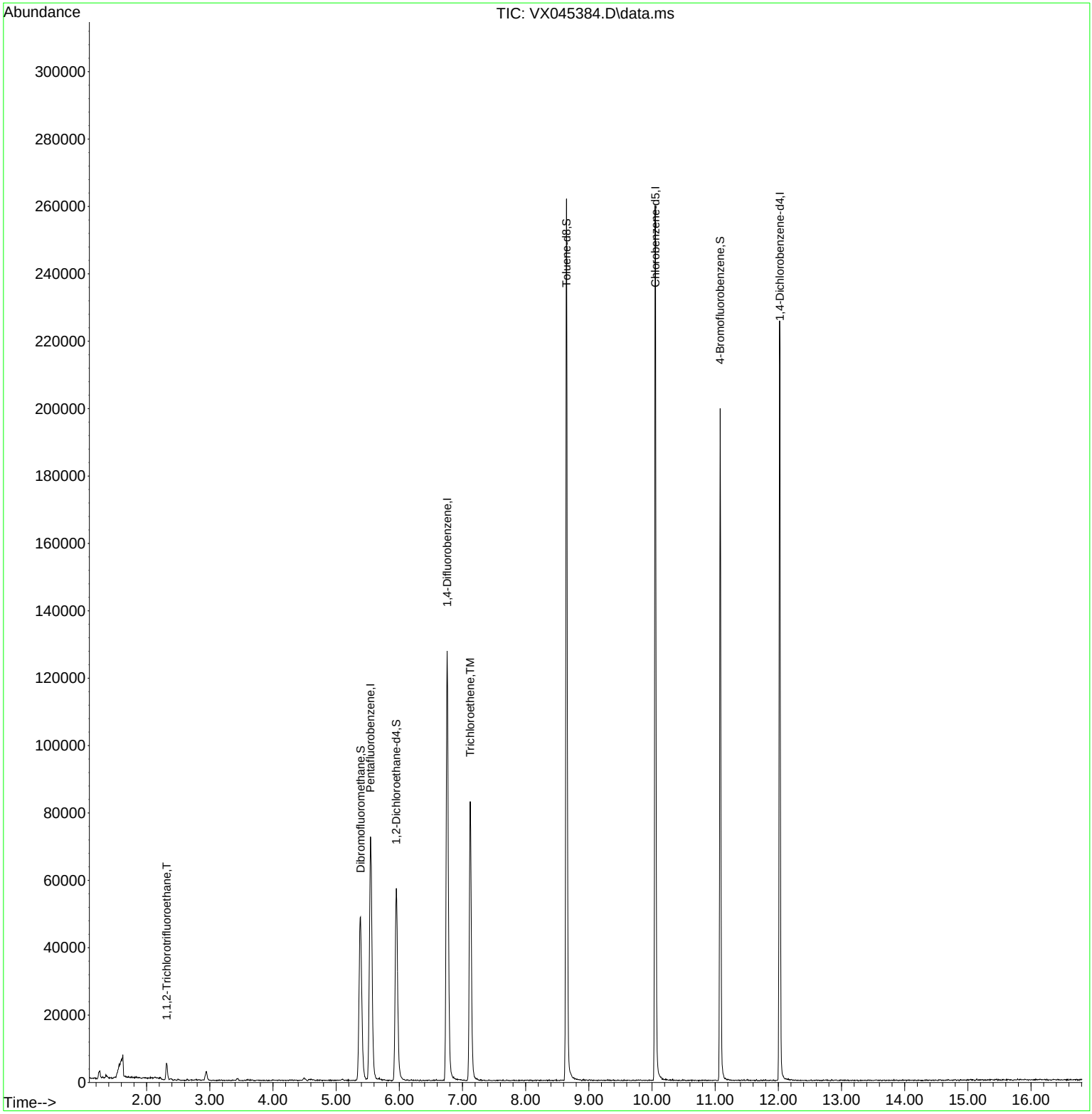
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	63633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56632	55.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.900%			
35) Dibromofluoromethane	5.385	113	43114	52.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	8.647	98	150492	50.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	50805	51.437	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.880%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	1899	2.568	ug/l	95
44) Trichloroethene	7.123	130	30716	36.740	ug/l	100

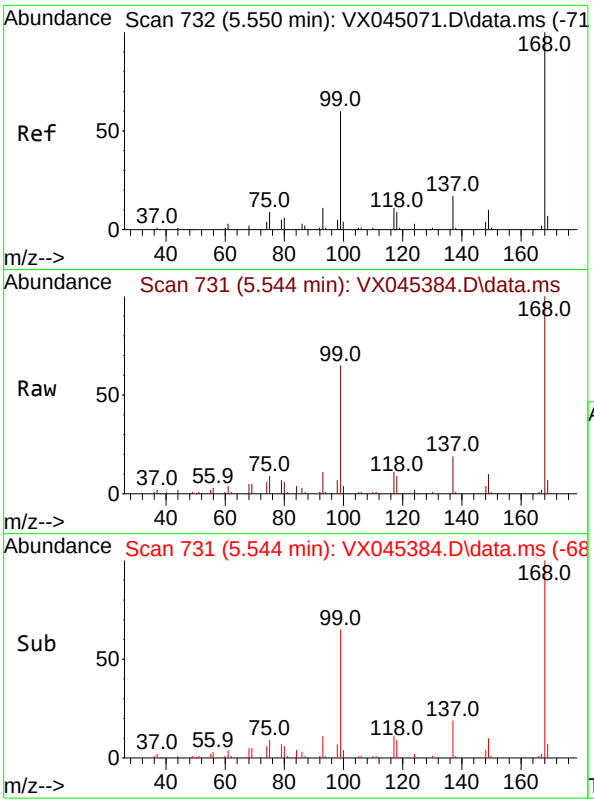
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045384.D
Acq On : 21 Mar 2025 13:41
Operator : JC/MD
Sample : Q1582-10DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Quant Time: Mar 21 23:14:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



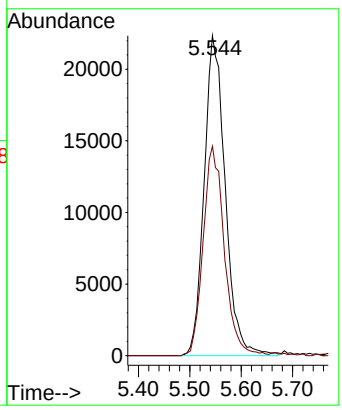


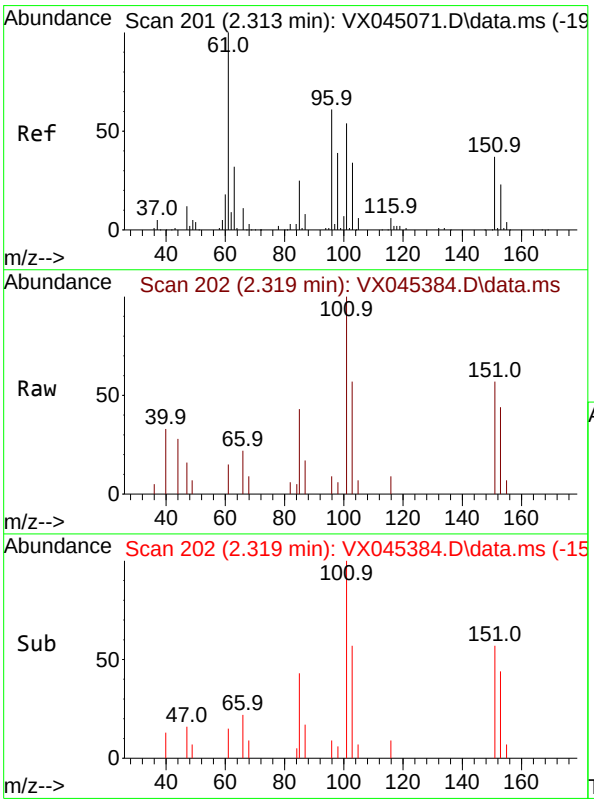
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Tgt Ion:168 Resp: 63633

Ion	Ratio	Lower	Upper
168	100		
99	65.5	48.2	72.4

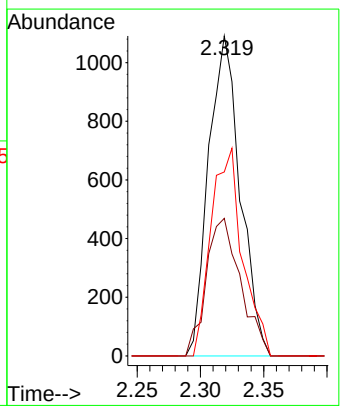


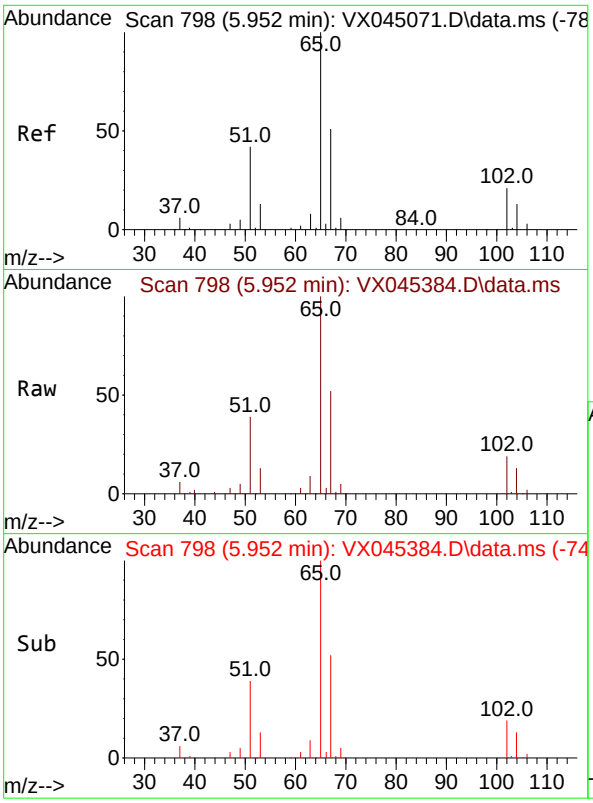


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.568 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Tgt Ion:101 Resp: 1899

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	64.7	56.4	84.6



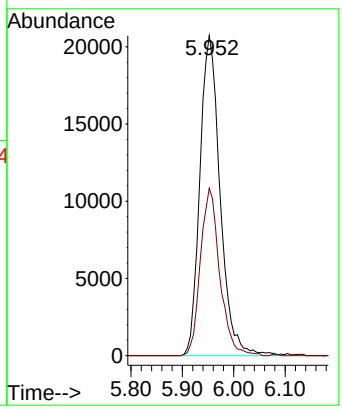


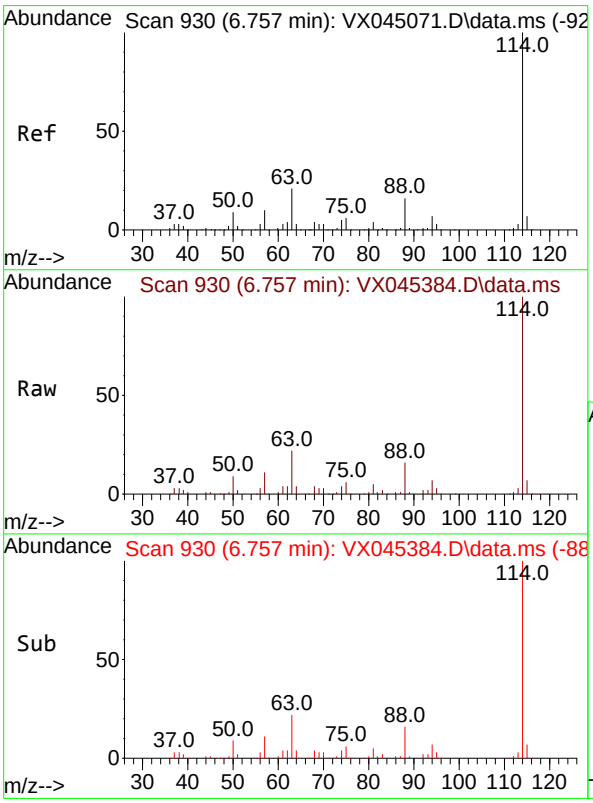
#33
1,2-Dichloroethane-d4
Concen: 55.951 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Tgt Ion: 65 Resp: 56632

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.2

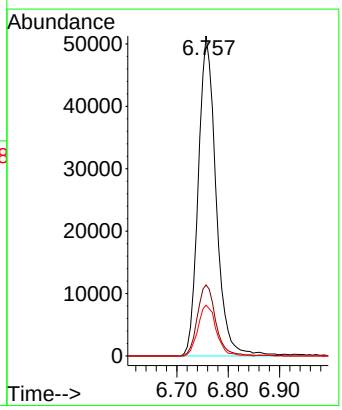


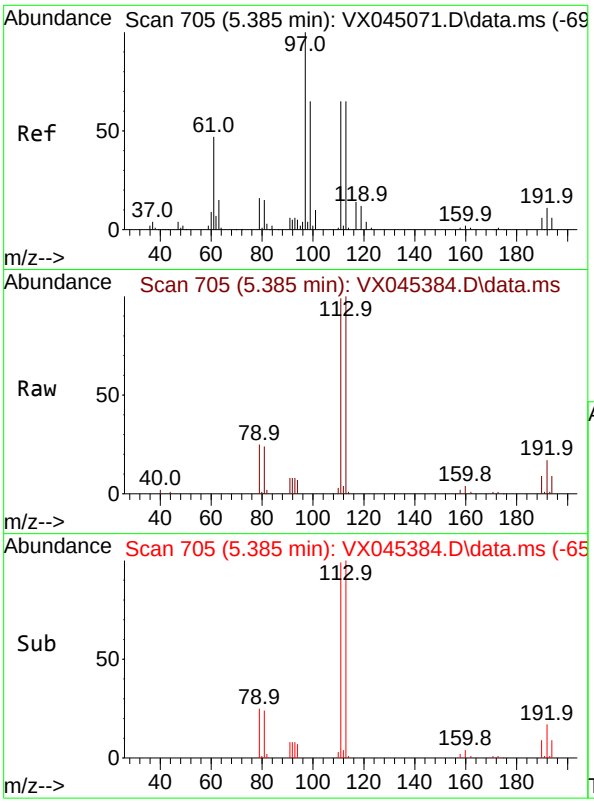


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Tgt Ion:114 Resp: 122958

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	15.9	0.0	32.8



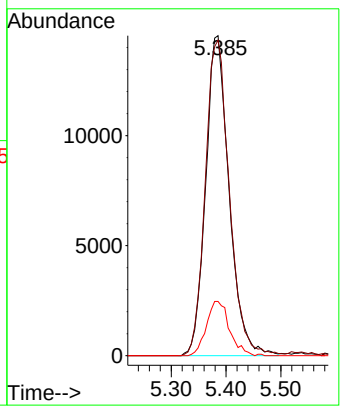


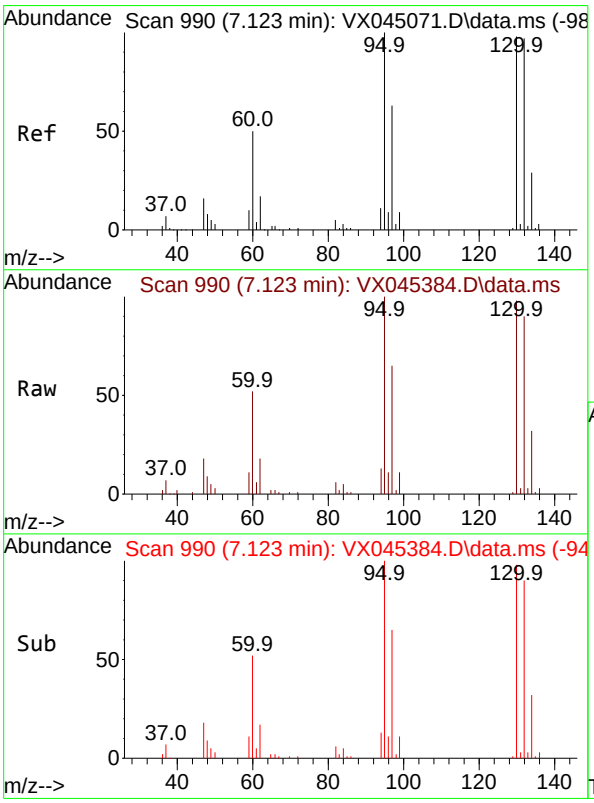
#35
Dibromofluoromethane
Concen: 52.438 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Tgt Ion:113 Resp: 43114

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.6	14.3	21.5

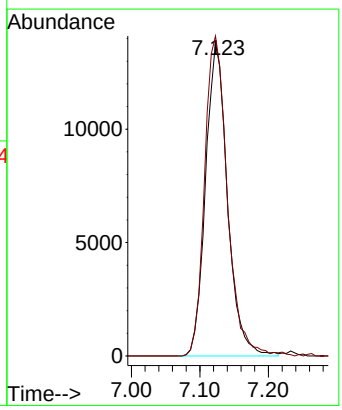


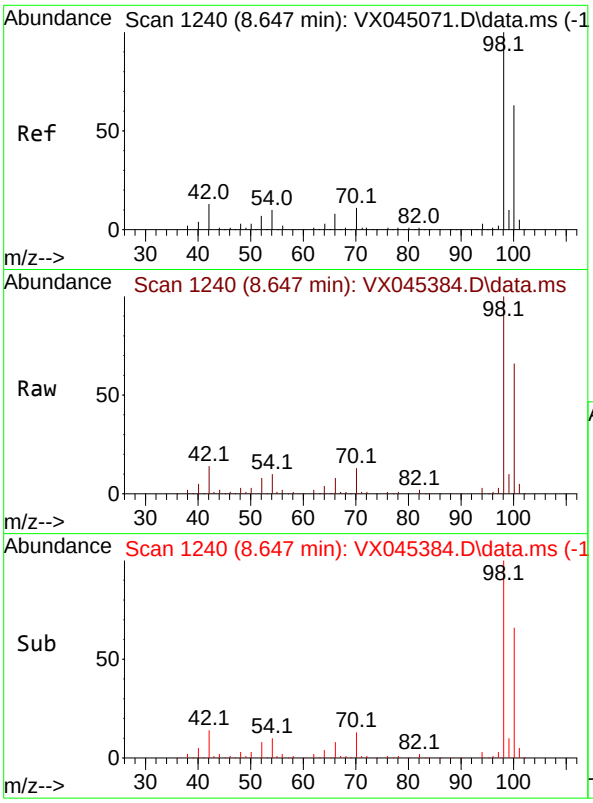


#44
Trichloroethene
Concen: 36.740 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Tgt Ion:130 Resp: 30716

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	205.0



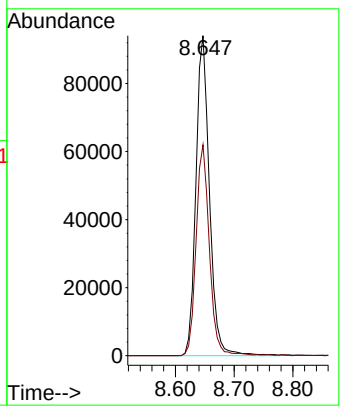


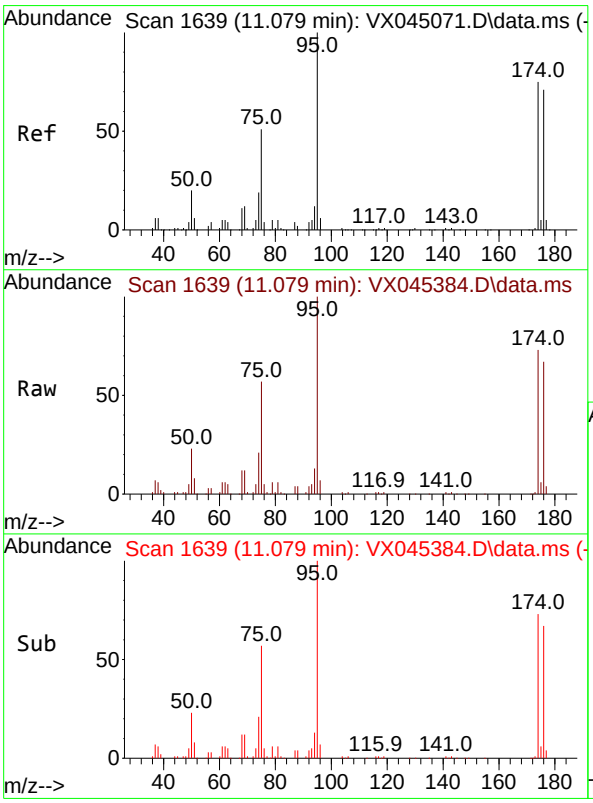
#50
Toluene-d8
Concen: 50.488 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Tgt Ion: 98 Resp: 150492

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

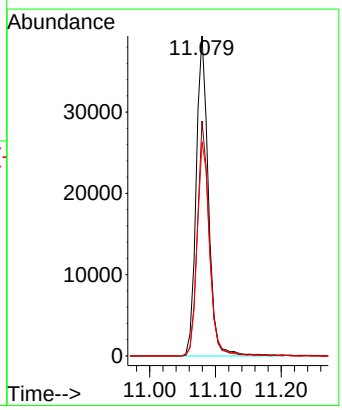


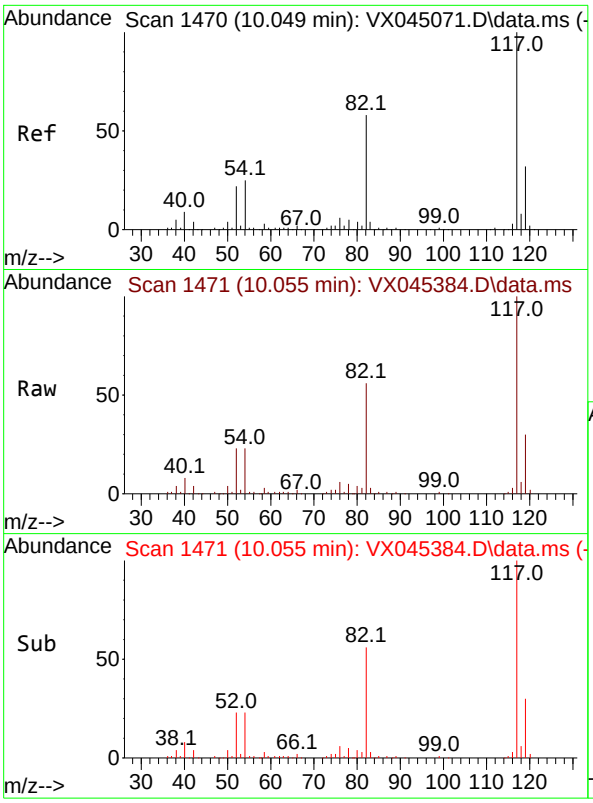


#62
4-Bromofluorobenzene
Concen: 51.437 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Tgt Ion: 95 Resp: 50805

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.0	0.0	141.4



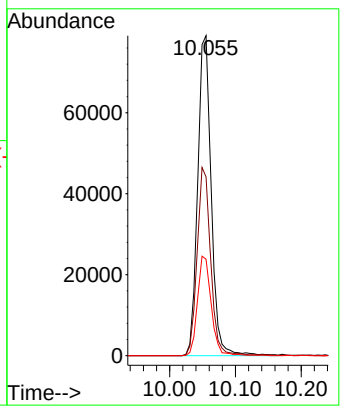


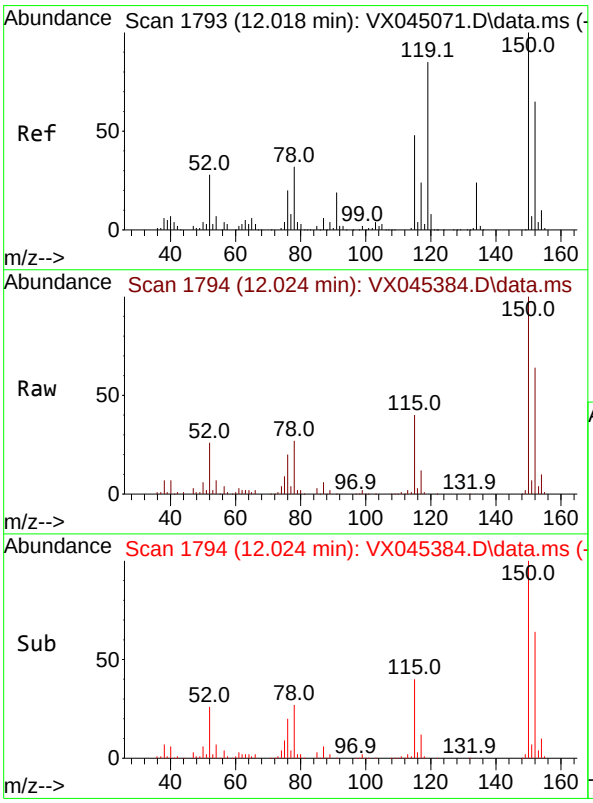
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20250313DL

Tgt Ion:117 Resp: 113115

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	30.2	25.7	38.5

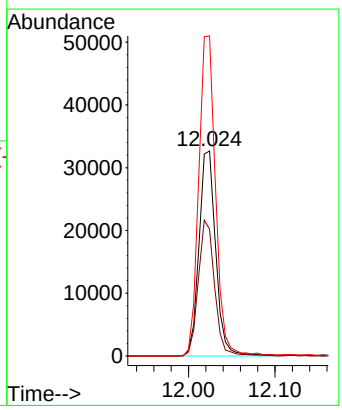




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045384.D
Acq: 21 Mar 2025 13:41

Tgt Ion:152 Resp: 43844

Ion	Ratio	Lower	Upper
152	100		
115	64.5	44.2	132.6
150	157.2	0.0	349.0



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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	BPOW1-7-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-11	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045389.D	1		03/21/25 15:38	VX032125

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	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	BPOW1-7-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-11	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045389.D	1		03/21/25 15:38	VX032125

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	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.55				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	121000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	48600	12.024				

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	BPOW1-7-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-11	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045389.D	1		03/21/25 15:38	VX032125

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\VX032125\
Data File : VX045389.D
Acq On : 21 Mar 2025 15:38
Operator : JC/MD
Sample : Q1582-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Quant Time: Mar 21 23:16:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

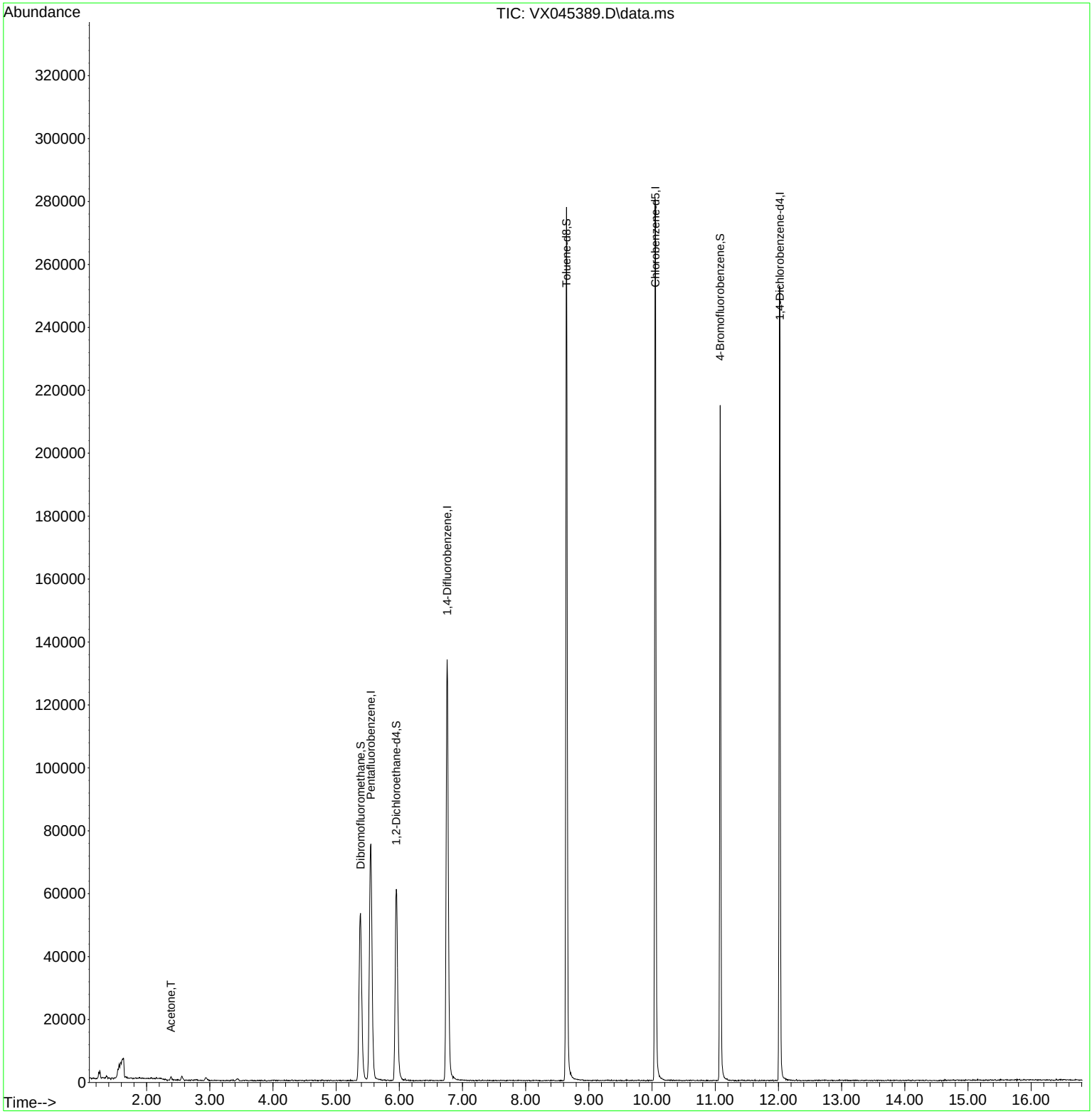
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61331	56.901	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.800%			
35) Dibromofluoromethane	5.385	113	46142	52.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	8.647	98	159107	49.657	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.320%			
62) 4-Bromofluorobenzene	11.079	95	54884	51.692	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.380%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1092	2.184	ug/l #	81

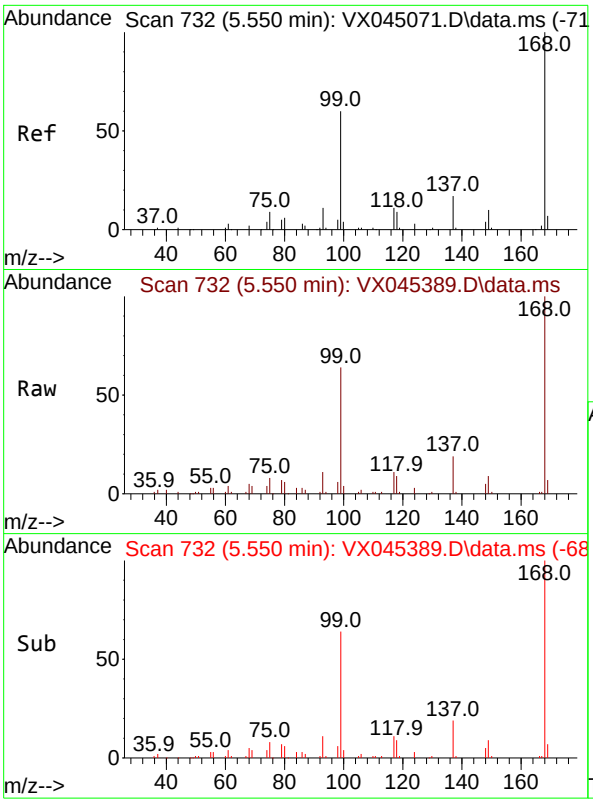
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045389.D
Acq On : 21 Mar 2025 15:38
Operator : JC/MD
Sample : Q1582-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Quant Time: Mar 21 23:16:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



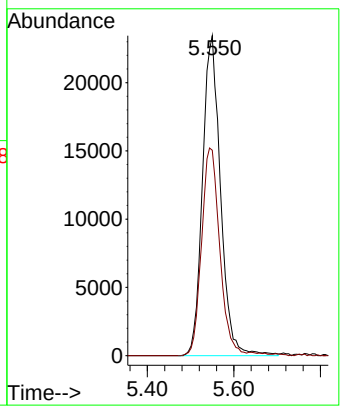


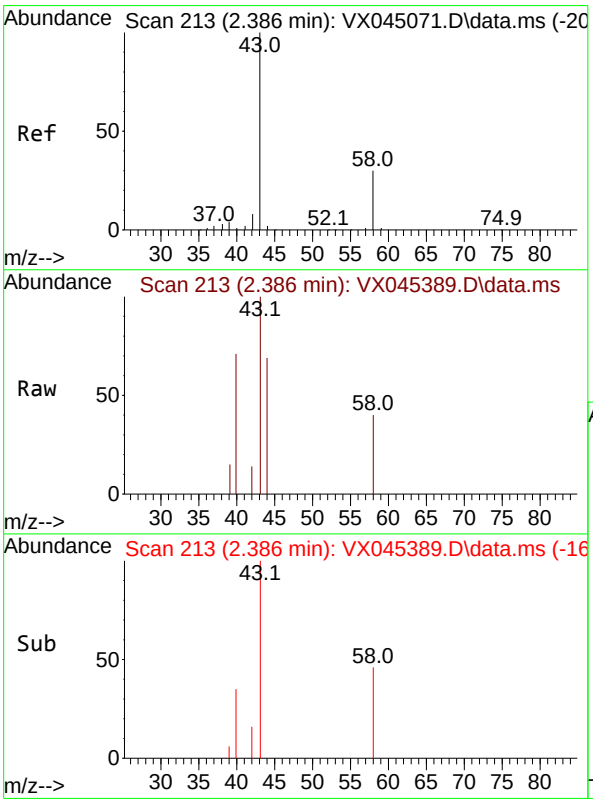
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Tgt Ion:168 Resp: 67762

Ion	Ratio	Lower	Upper
168	100		
99	64.2	48.2	72.4

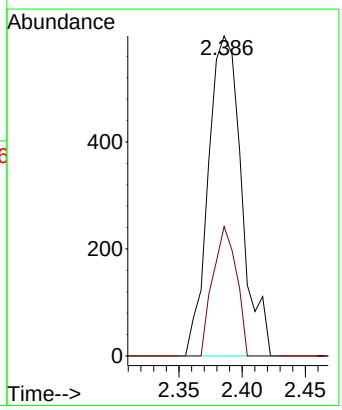


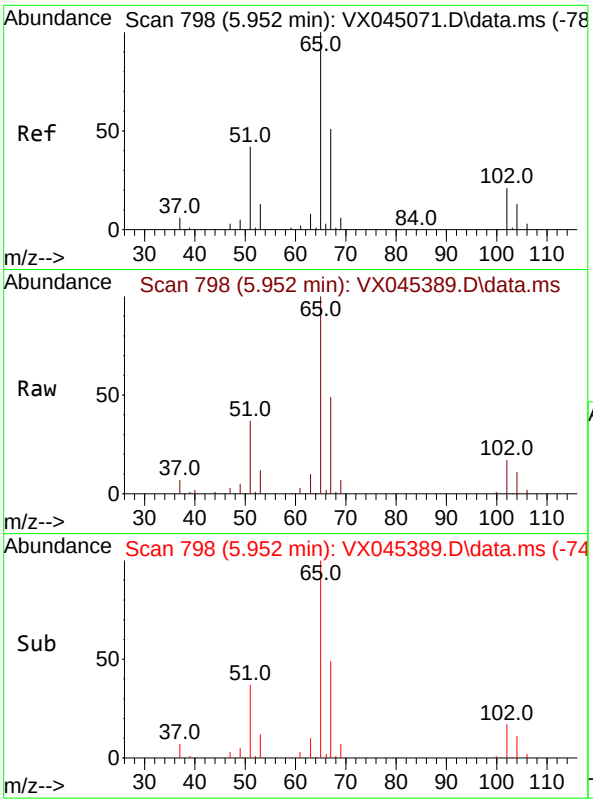


#16
Acetone
Concen: 2.184 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Tgt Ion: 43 Resp: 1092

Ion	Ratio	Lower	Upper
43	100		
58	40.5	24.2	36.4#



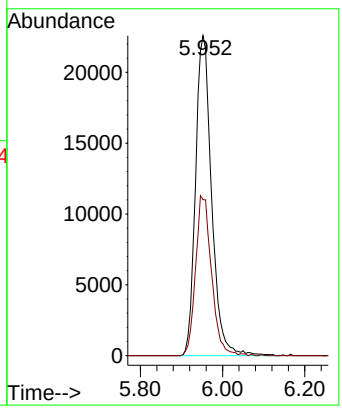


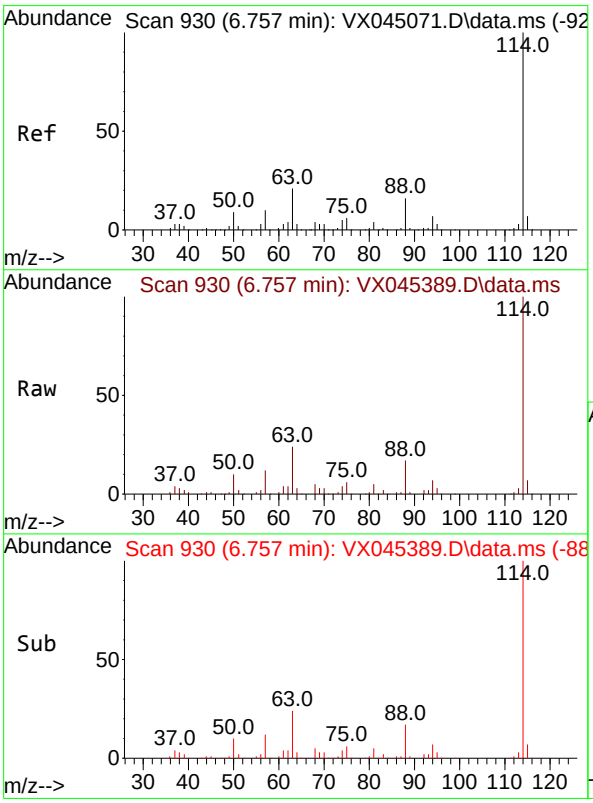
#33
1,2-Dichloroethane-d4
Concen: 56.901 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Tgt Ion: 65 Resp: 61331

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	106.2

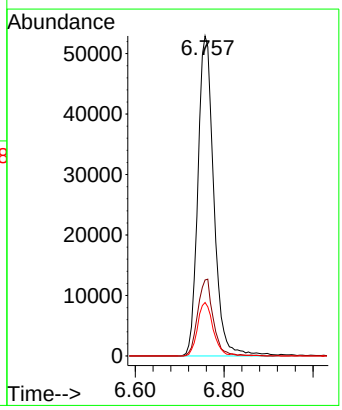


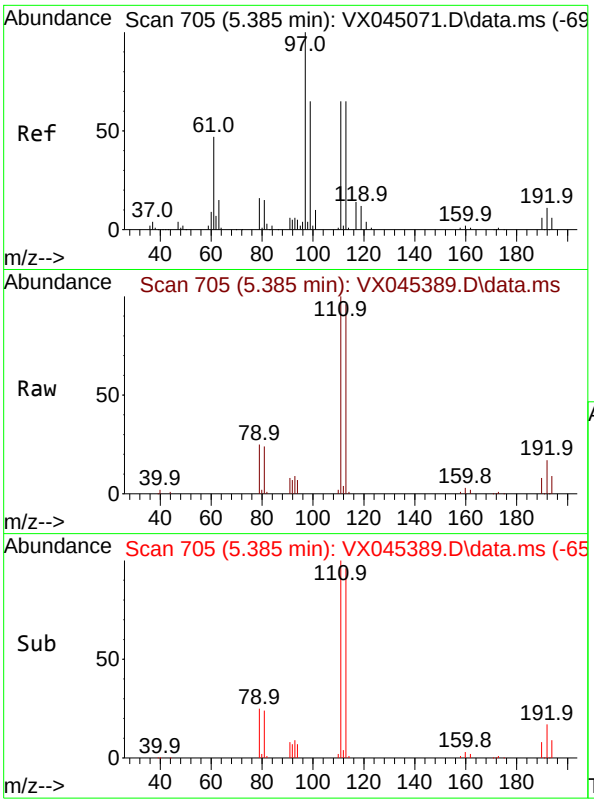


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Tgt Ion:114 Resp: 132174

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.7	0.0	32.8



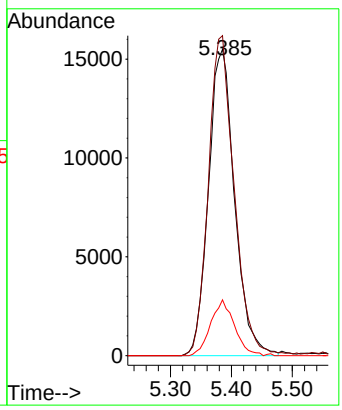


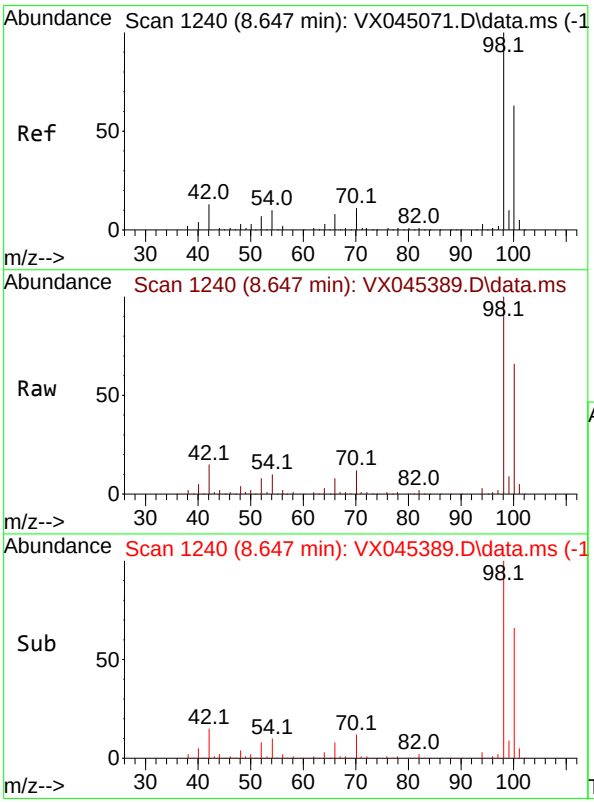
#35
Dibromofluoromethane
Concen: 52.208 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Tgt Ion:113 Resp: 46142

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.6	14.3	21.5

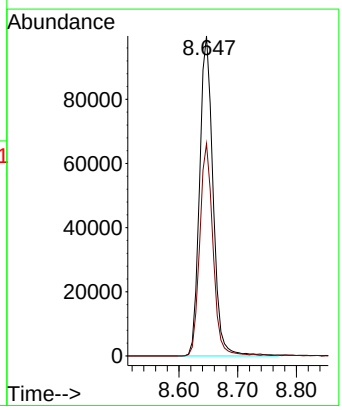


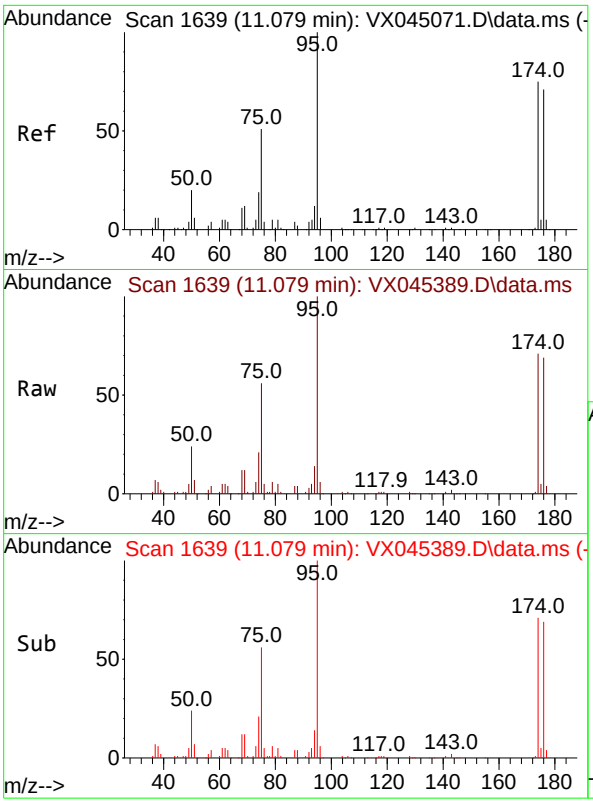


#50
Toluene-d8
Concen: 49.657 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Tgt Ion: 98 Resp: 159107

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0



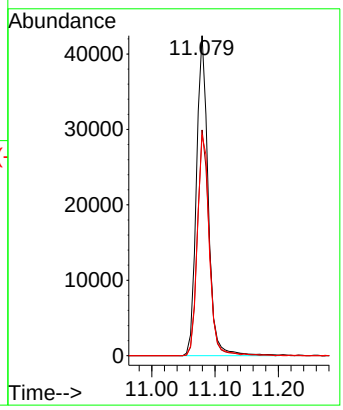


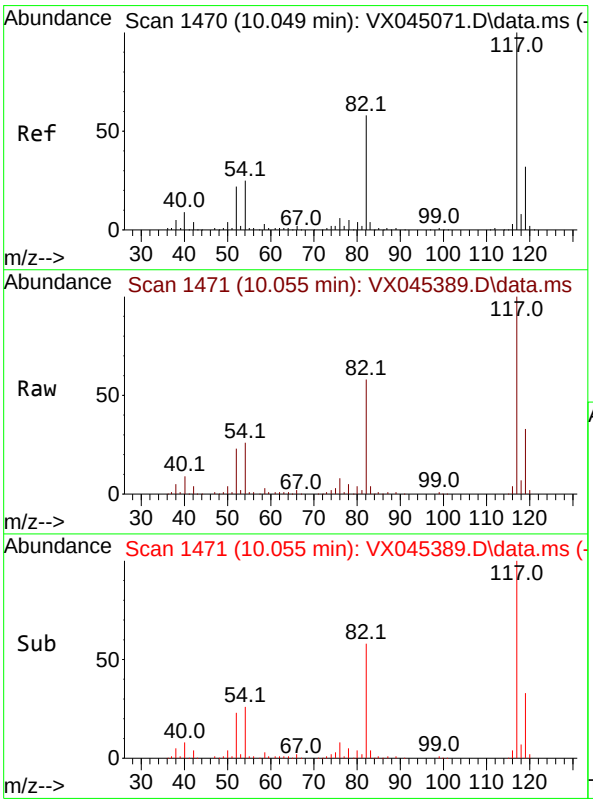
#62
4-Bromofluorobenzene
Concen: 51.692 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Tgt Ion: 95 Resp: 54884

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	148.2
176	71.0	0.0	141.4

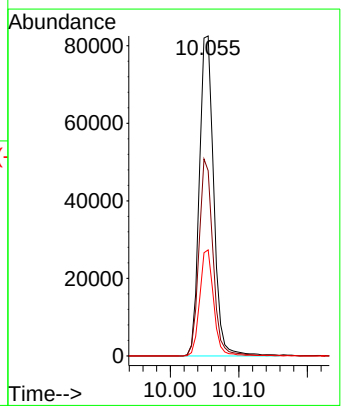


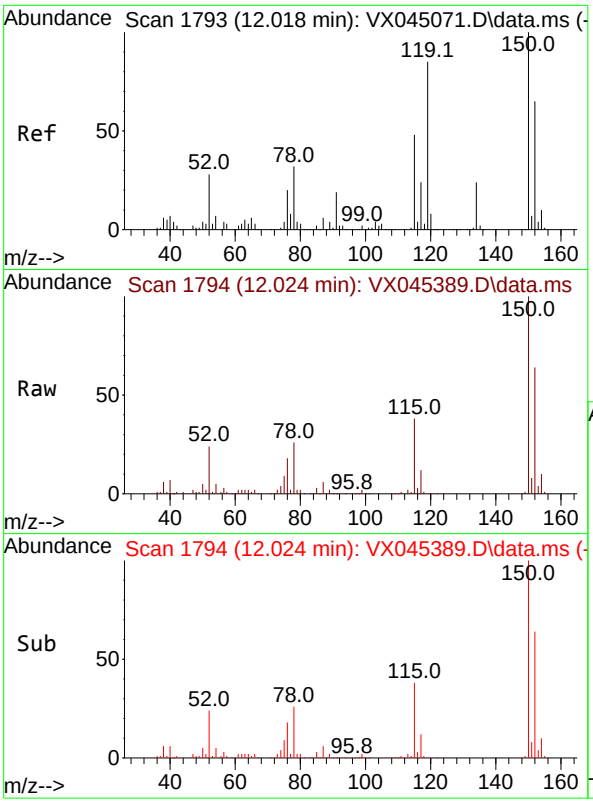


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Tgt Ion:117 Resp: 120805

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	33.1	25.7	38.5



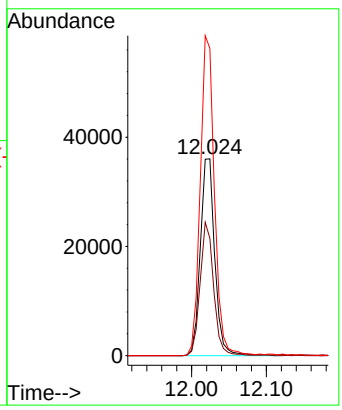


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045389.D
Acq: 21 Mar 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-7-20250314

Tgt Ion:152 Resp: 48608

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.2	132.6
150	158.3	0.0	349.0



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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	BPOW1-8-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-12	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045372.D	1		03/20/25 19:28	VX032025

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	0.51	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	BPOW1-8-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-12	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045372.D	1		03/20/25 19:28	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67100	5.544				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51200	12.018				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	BPOW1-8-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-12	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045372.D	1		03/20/25 19:28	VX032025

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\VX032025\
Data File : VX045372.D
Acq On : 20 Mar 2025 19:28
Operator : JC/MD
Sample : Q1582-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Quant Time: Mar 21 01:54:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

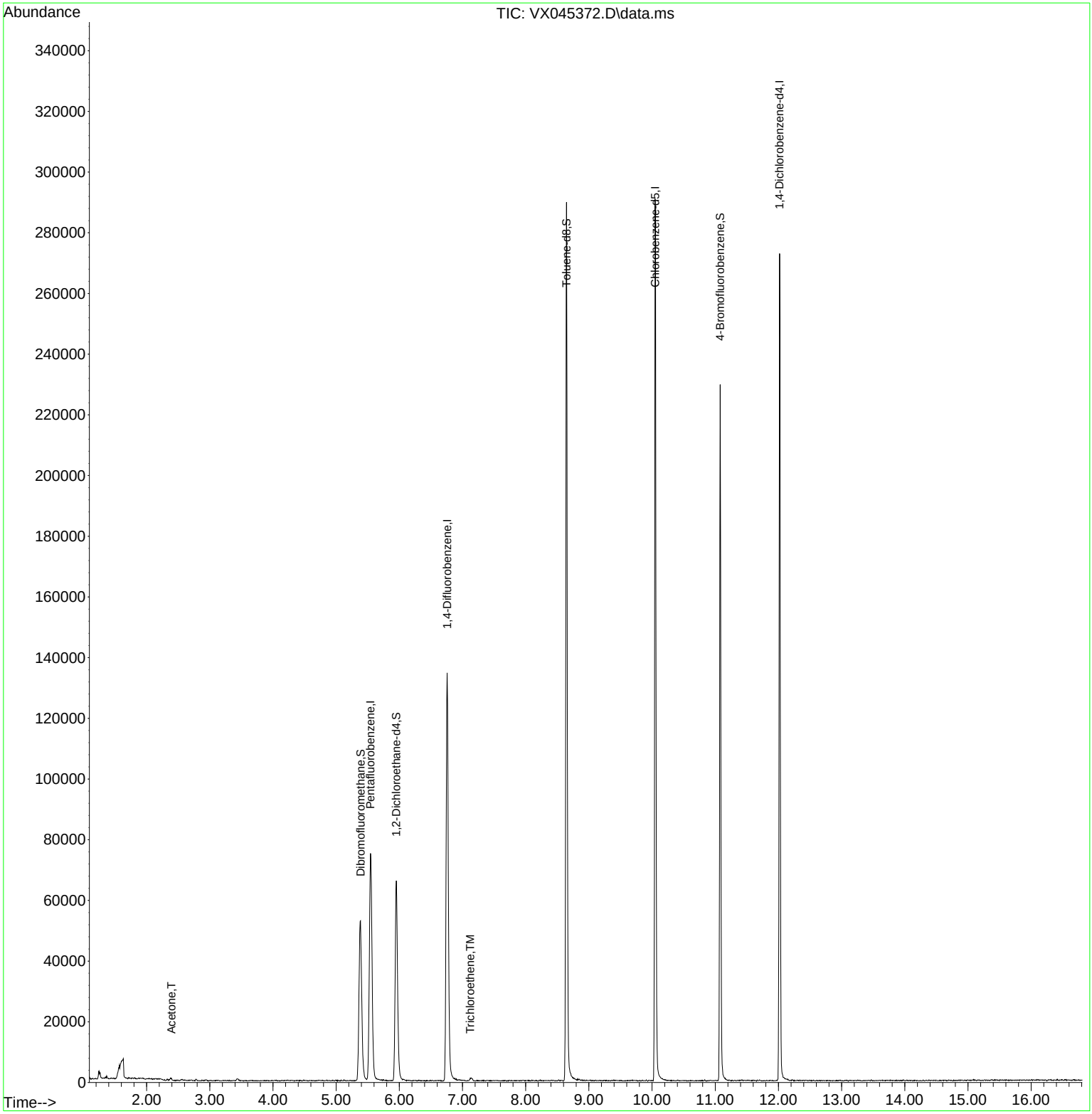
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132119	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61388	57.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.020%			
35) Dibromofluoromethane	5.385	113	46937	53.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.260%			
50) Toluene-d8	8.647	98	166675	52.040	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	11.079	95	58547	55.165	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.320%			
Target Compounds						Qvalue
16) Acetone	2.392	43	779	1.573	ug/l #	79
44) Trichloroethene	7.123	130	458	0.510	ug/l	57

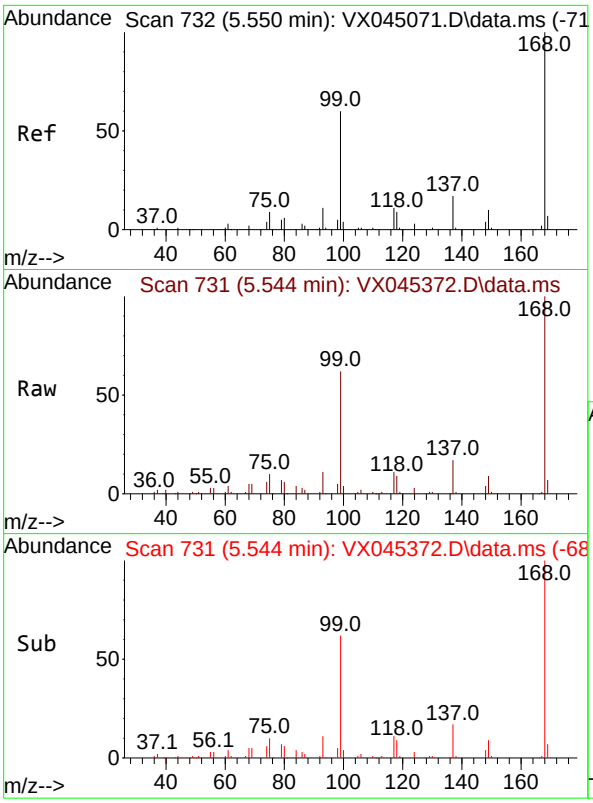
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045372.D
Acq On : 20 Mar 2025 19:28
Operator : JC/MD
Sample : Q1582-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Quant Time: Mar 21 01:54:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



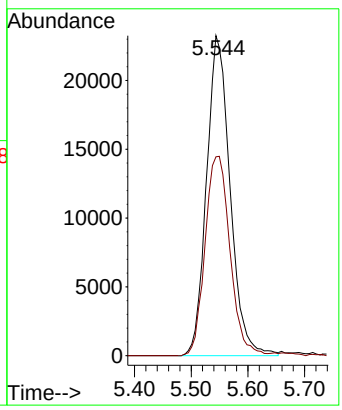


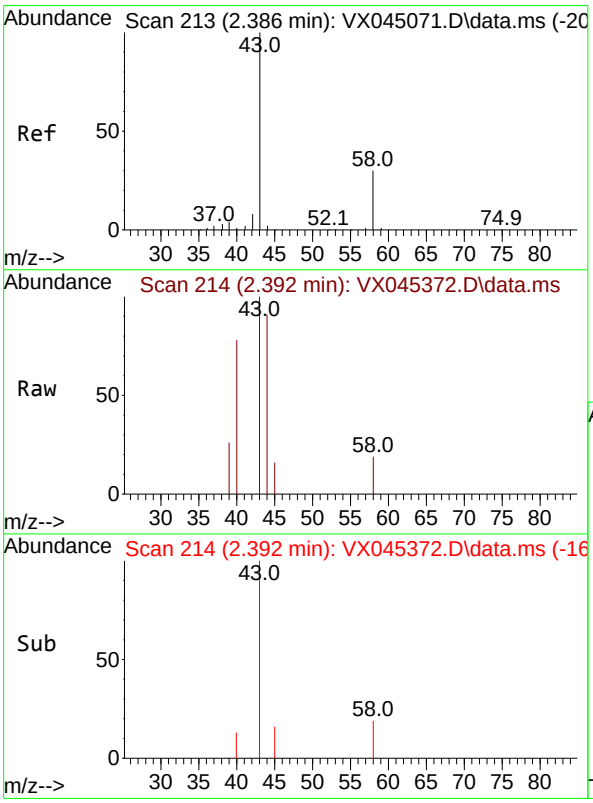
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Tgt Ion:168 Resp: 67107

Ion	Ratio	Lower	Upper
168	100		
99	62.2	48.2	72.4

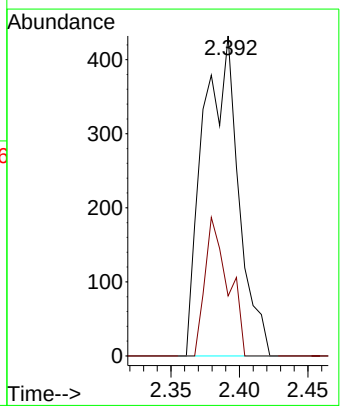


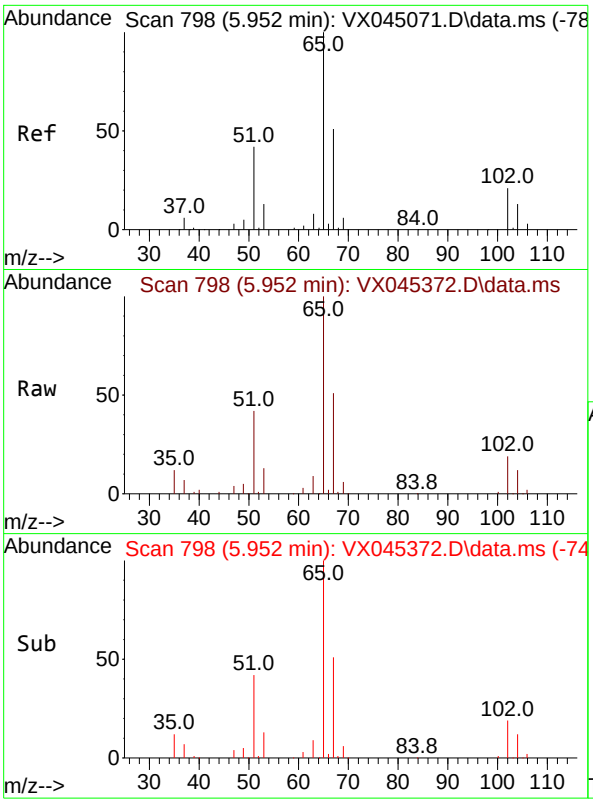


#16
Acetone
Concen: 1.573 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Tgt Ion: 43 Resp: 779

Ion	Ratio	Lower	Upper
43	100		
58	18.8	24.2	36.4#



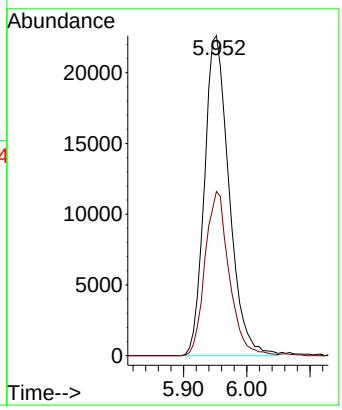


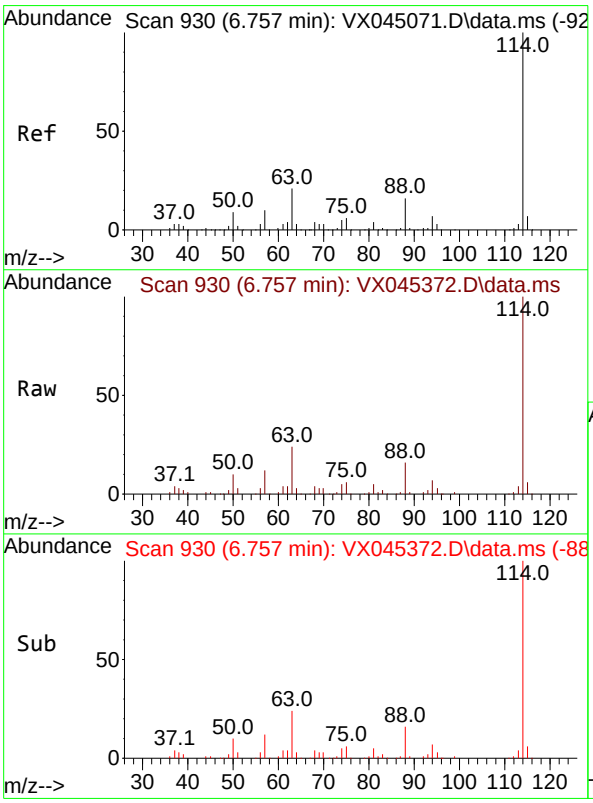
#33
1,2-Dichloroethane-d4
Concen: 57.510 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Tgt Ion: 65 Resp: 61388

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	106.2

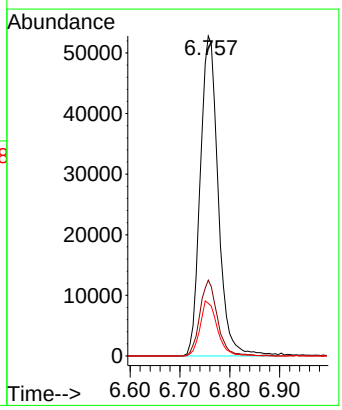


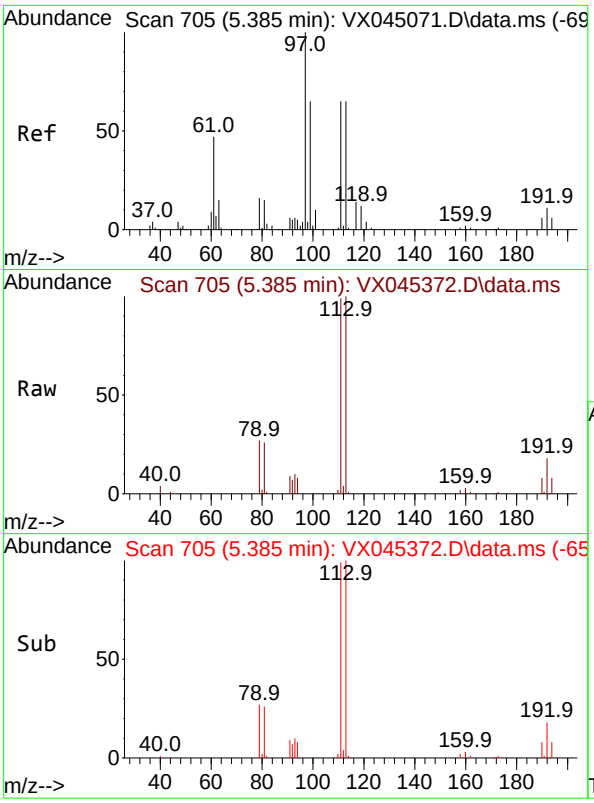


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Tgt Ion:114 Resp: 132119

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	41.8
88	16.5	0.0	32.8



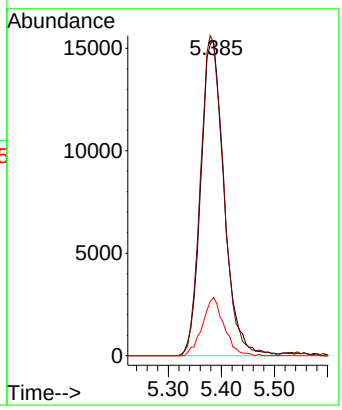


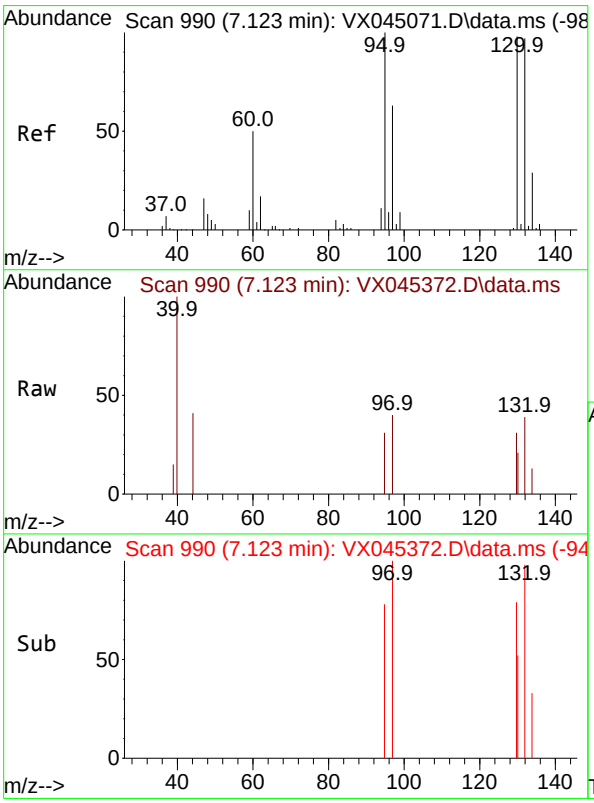
#35
Dibromofluoromethane
Concen: 53.129 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Tgt Ion:113 Resp: 46937

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.6
192	17.1	14.3	21.5

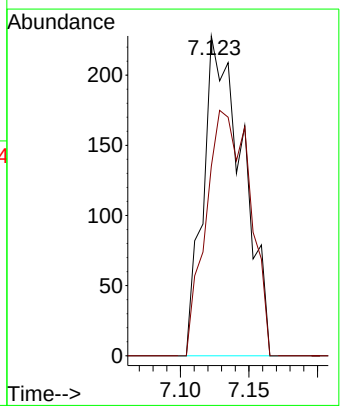


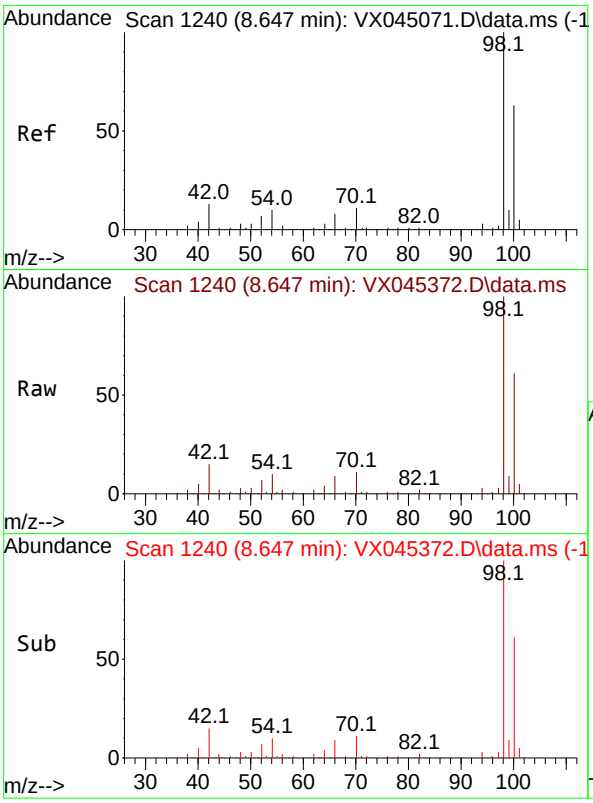


#44
Trichloroethene
Concen: 0.510 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Tgt Ion:130 Resp: 458

Ion	Ratio	Lower	Upper
130	100		
95	59.2	0.0	205.0



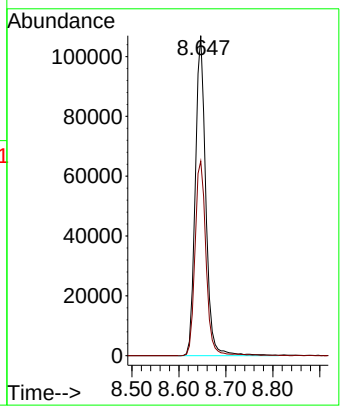


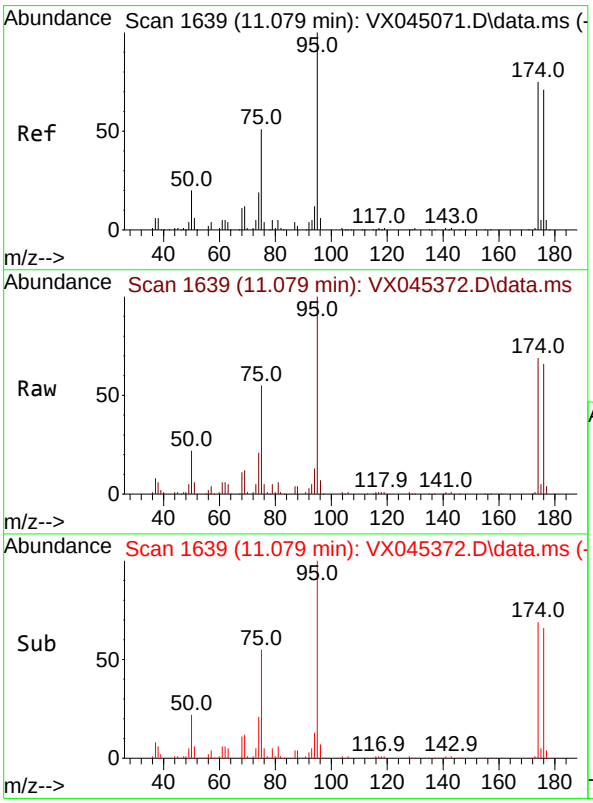
#50
Toluene-d8
Concen: 52.040 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Tgt Ion: 98 Resp: 166675

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0

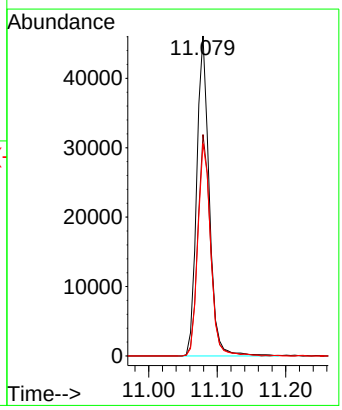


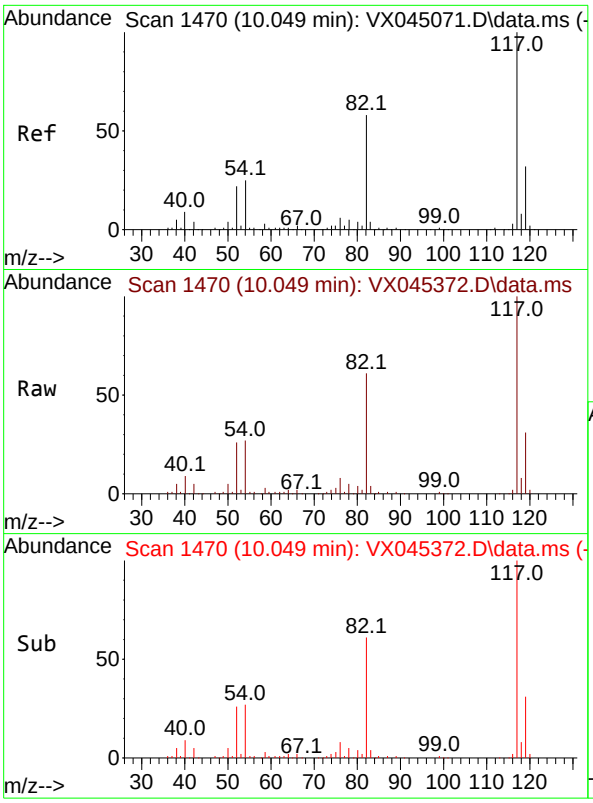


#62
4-Bromofluorobenzene
Concen: 55.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Tgt Ion: 95 Resp: 58547

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	68.1	0.0	141.4



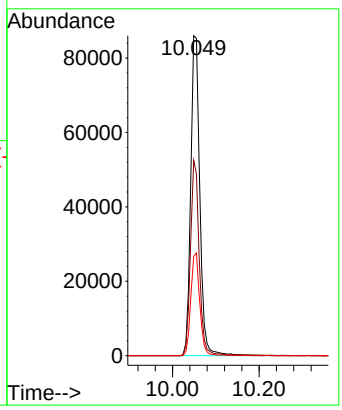


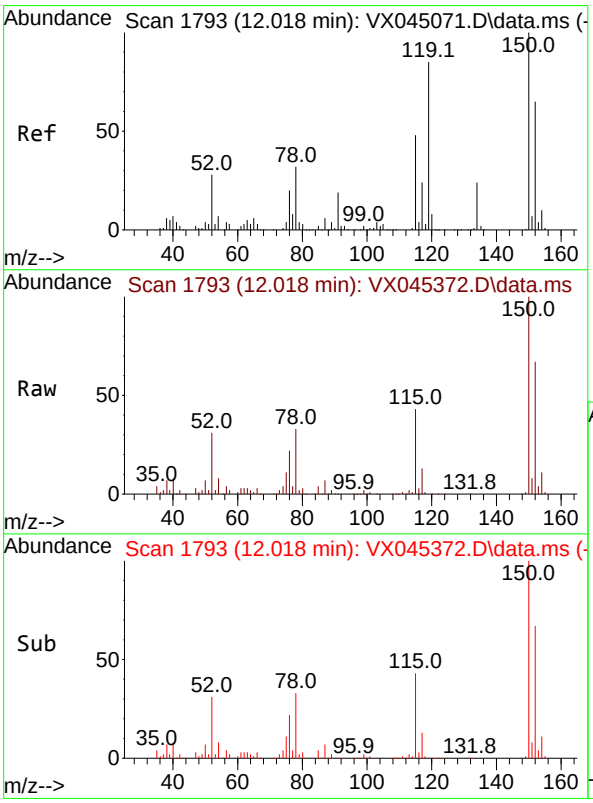
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Instrument :
MSVOA_X
ClientSampleId :
BPOW1-8-20250314

Tgt Ion:117 Resp: 125597

Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.3	69.5
119	31.1	25.7	38.5

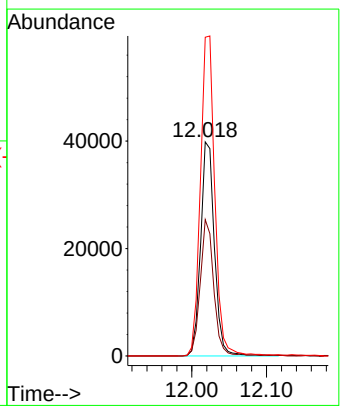




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045372.D
Acq: 20 Mar 2025 19:28

Tgt Ion:152 Resp: 51214

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.2	132.6
150	156.3	0.0	349.0



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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT191D1-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-13	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045391.D	1		03/21/25 16:25	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.20		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	3.00		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.90	J	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	13.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT191D1-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-13	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045391.D	1		03/21/25 16:25	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.0		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69400	5.55				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	46700	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT191D1-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-13	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045391.D	1		03/21/25 16:25	VX032125

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\VX032125\
Data File : VX045391.D
Acq On : 21 Mar 2025 16:25
Operator : JC/MD
Sample : Q1582-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Quant Time: Mar 21 23:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

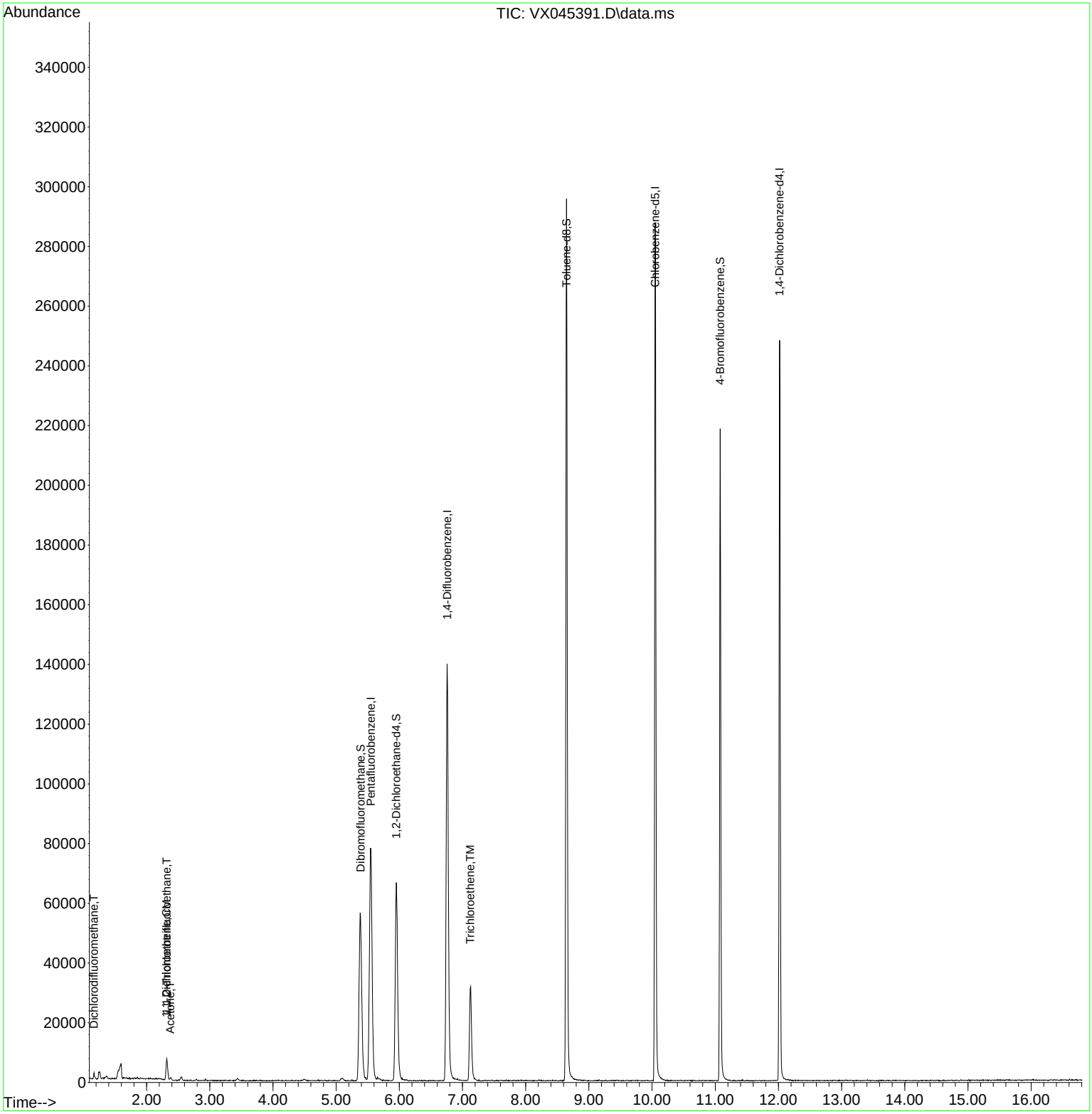
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133271	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62859	56.966	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.940%			
35) Dibromofluoromethane	5.385	113	48629	54.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.140%			
50) Toluene-d8	8.647	98	166764	51.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.240%			
62) 4-Bromofluorobenzene	11.079	95	56902	53.151	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	1049	1.201	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	2443	3.030	ug/l	95
12) 1,1-Dichloroethene	2.313	96	769	0.902	ug/l #	83
16) Acetone	2.374	43	1135	2.217	ug/l #	84
44) Trichloroethene	7.123	130	11892	13.123	ug/l	95

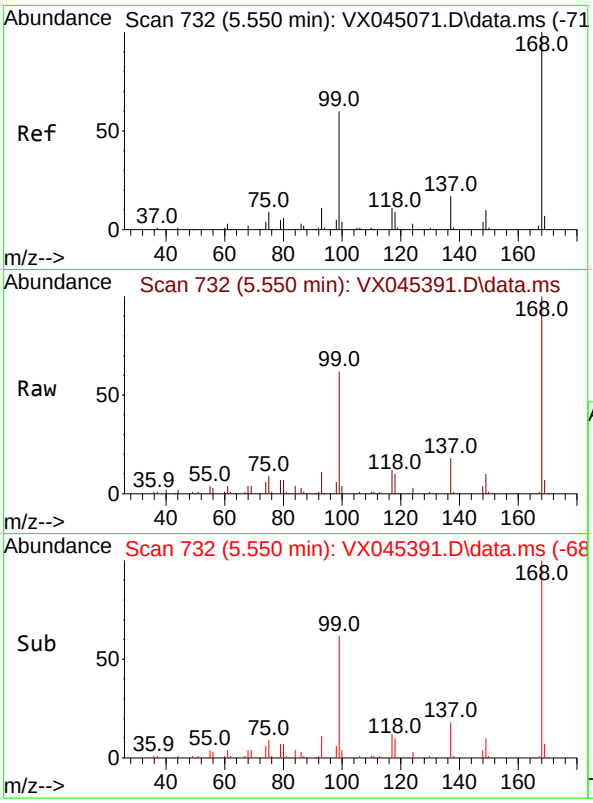
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045391.D
Acq On : 21 Mar 2025 16:25
Operator : JC/MD
Sample : Q1582-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Quant Time: Mar 21 23:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



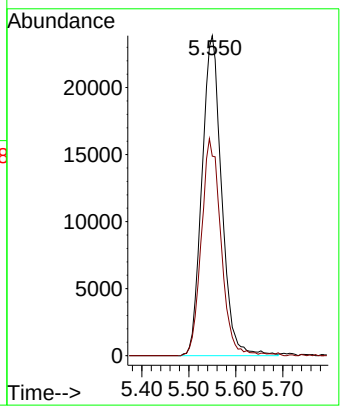


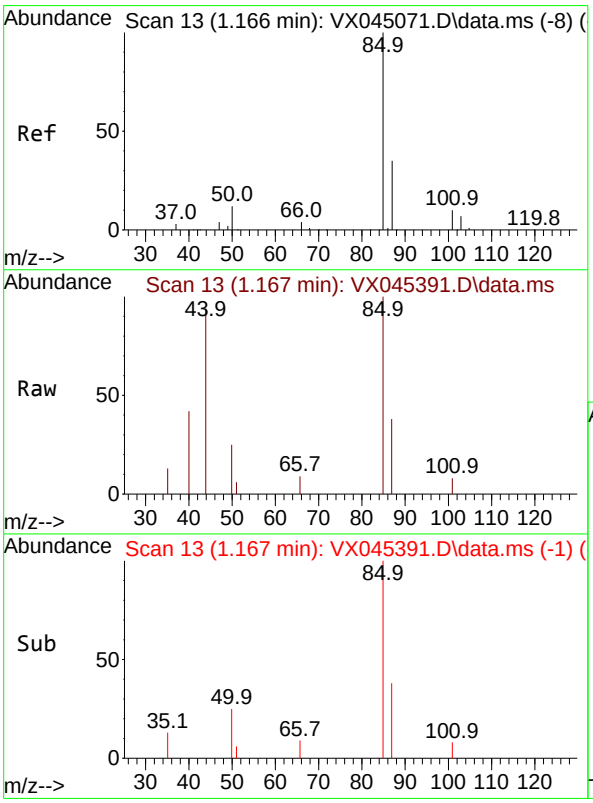
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion:168 Resp: 69371

Ion	Ratio	Lower	Upper
168	100		
99	62.4	48.2	72.4

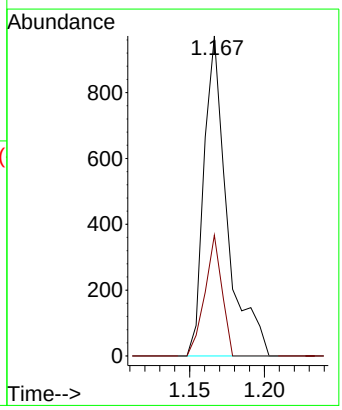


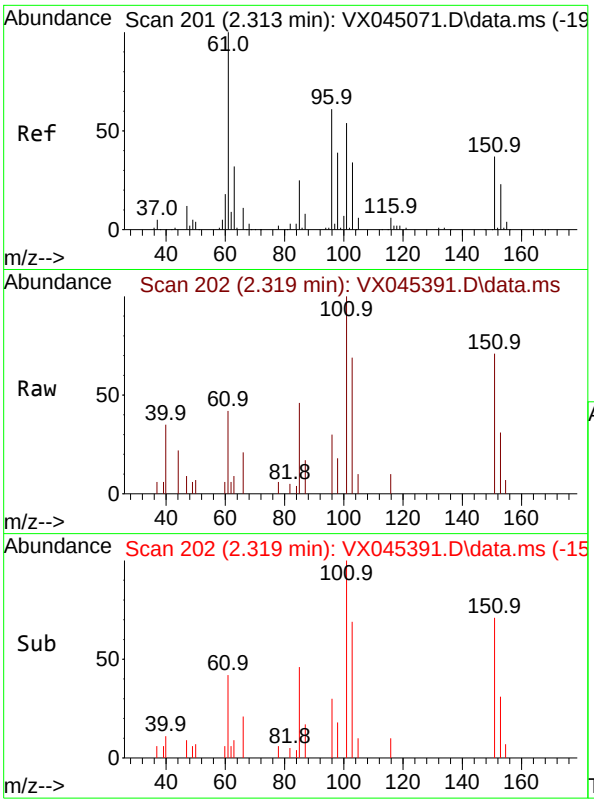


#2
Dichlorodifluoromethane
Concen: 1.201 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Tgt Ion: 85 Resp: 1049

Ion	Ratio	Lower	Upper
85	100		
87	37.8	17.4	52.3



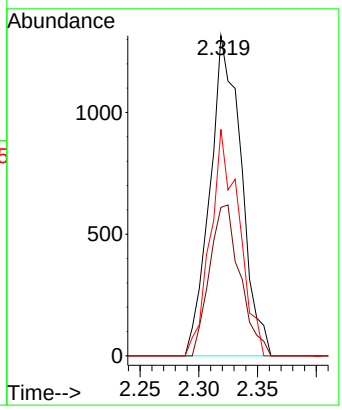


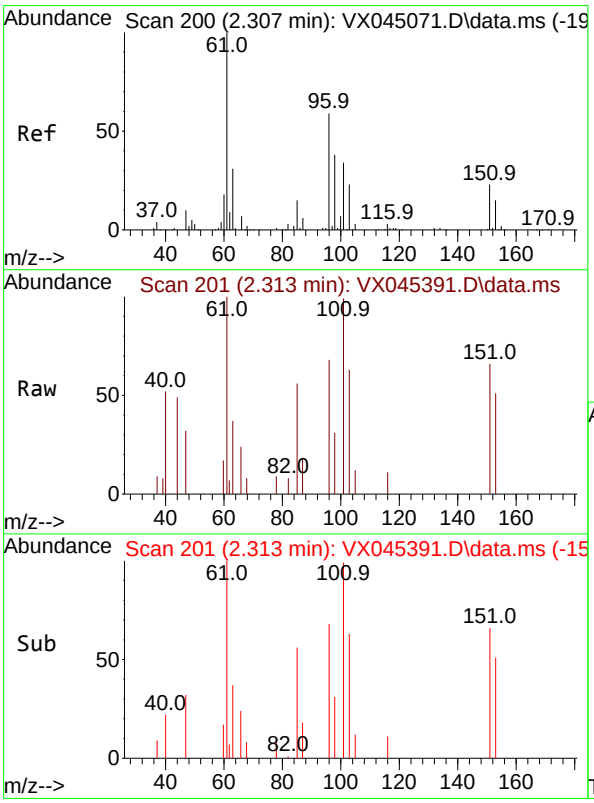
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.030 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion:101 Resp: 2443

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	64.5	56.4	84.6

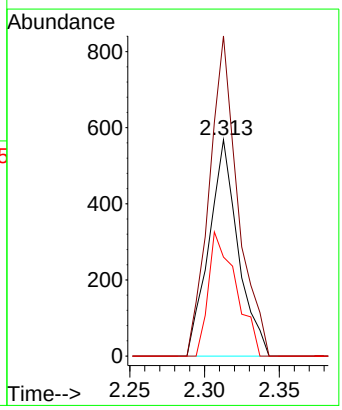


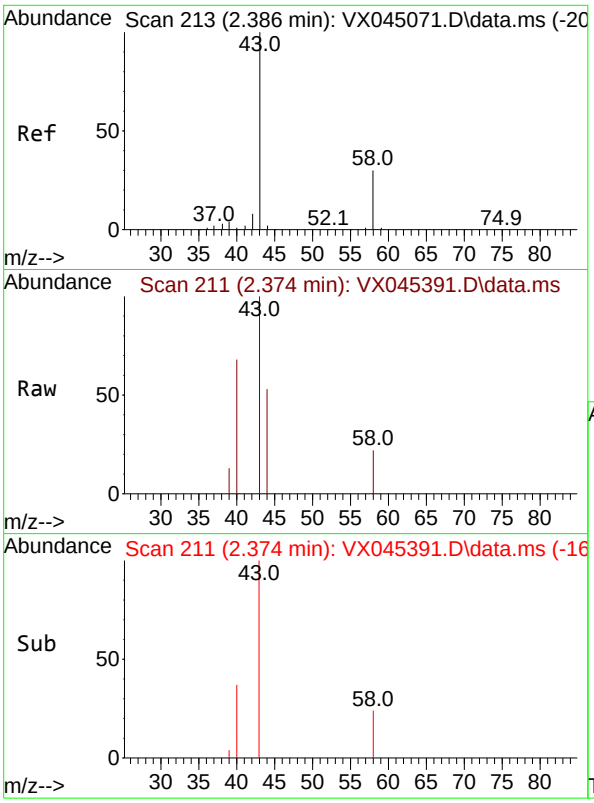


#12
1,1-Dichloroethene
Concen: 0.902 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Tgt Ion: 96 Resp: 769

Ion	Ratio	Lower	Upper
96	100		
61	148.1	134.6	202.0
98	45.8	51.0	76.6#



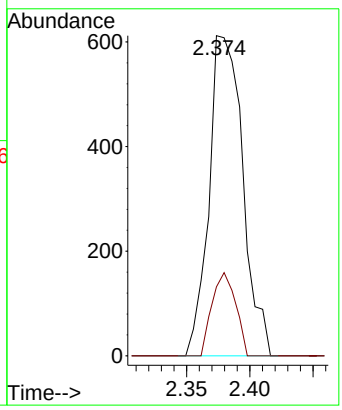


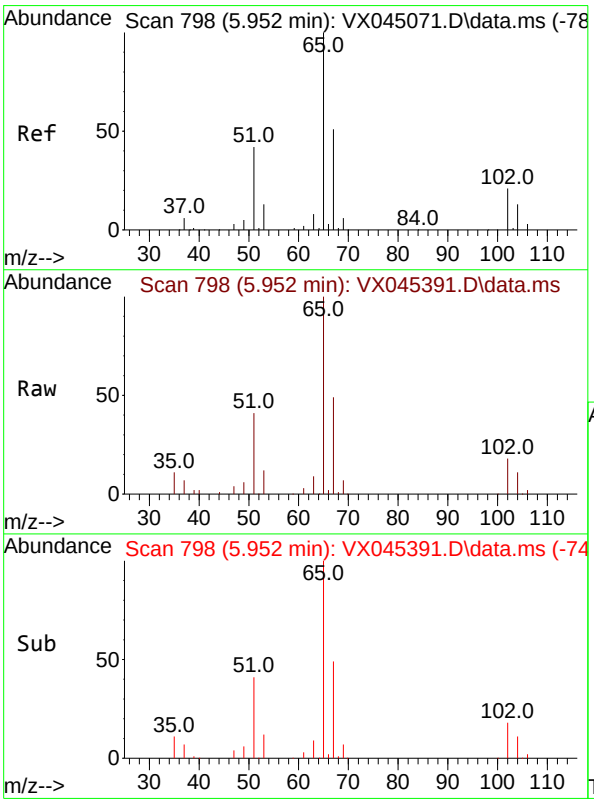
#16
Acetone
Concen: 2.217 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion: 43 Resp: 1135

Ion	Ratio	Lower	Upper
43	100		
58	21.6	24.2	36.4#

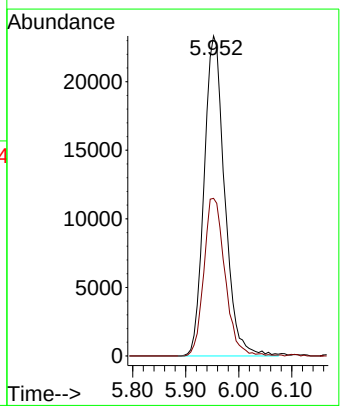


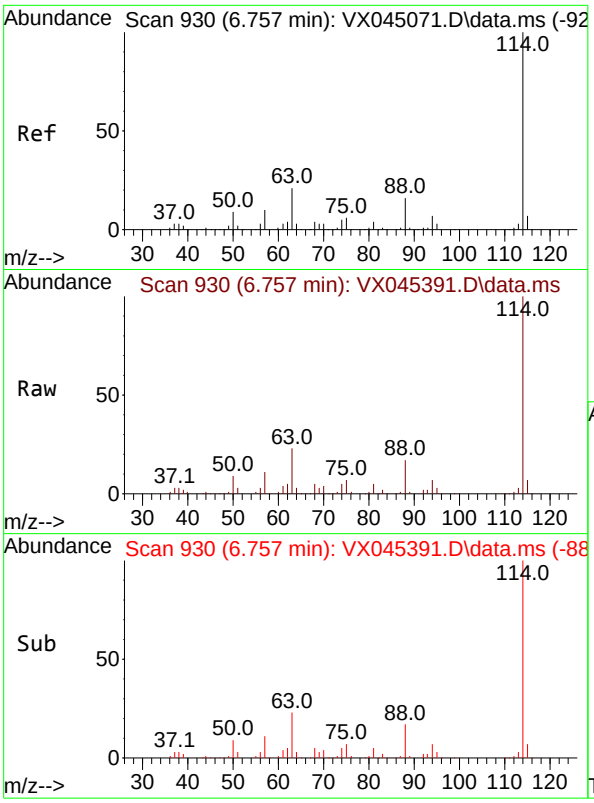


#33
1,2-Dichloroethane-d4
Concen: 56.966 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Tgt Ion: 65 Resp: 62859

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	106.2



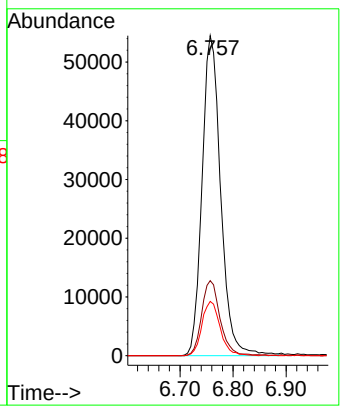


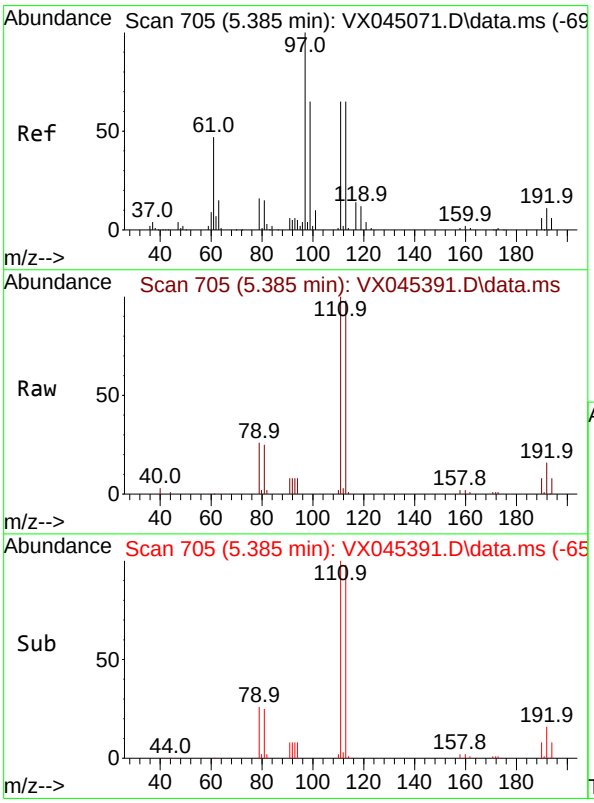
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion:114 Resp: 133271

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	16.9	0.0	32.8

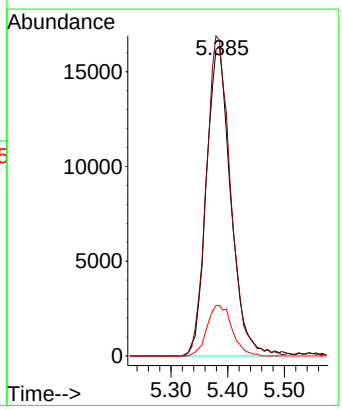


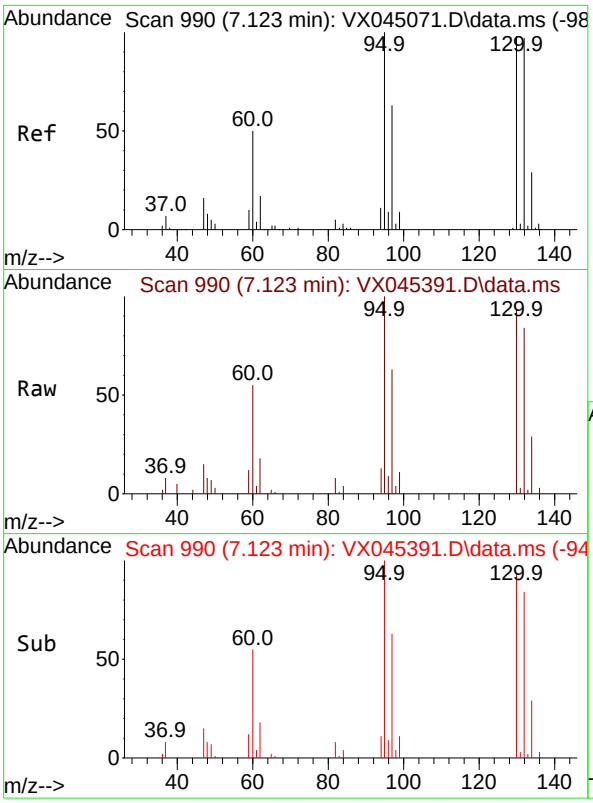


#35
Dibromofluoromethane
Concen: 54.569 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Tgt Ion:113 Resp: 48629

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	16.8	14.3	21.5



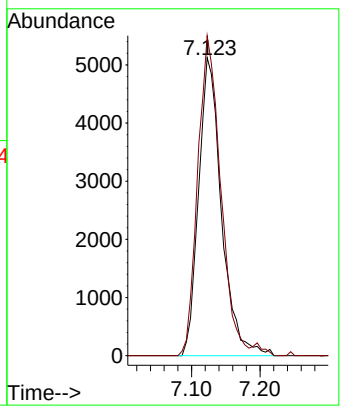


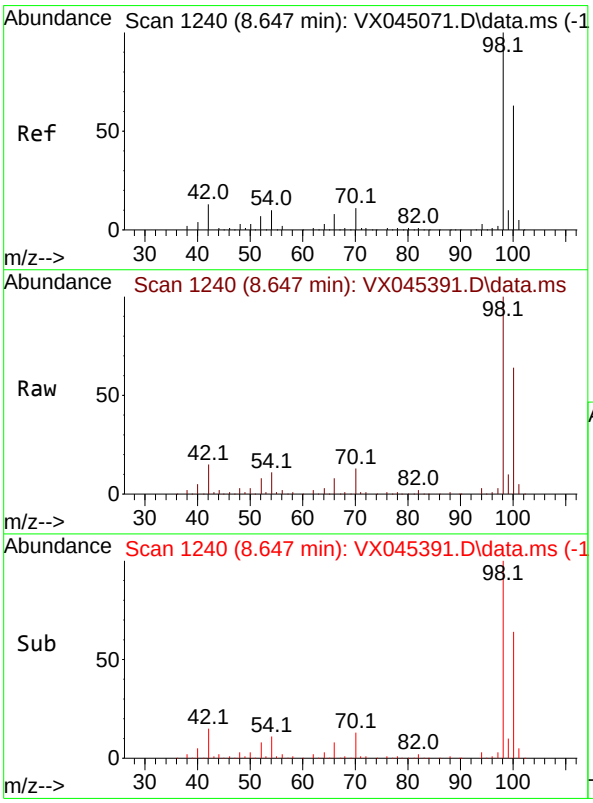
#44
Trichloroethene
Concen: 13.123 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion:130 Resp: 11892

Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	205.0

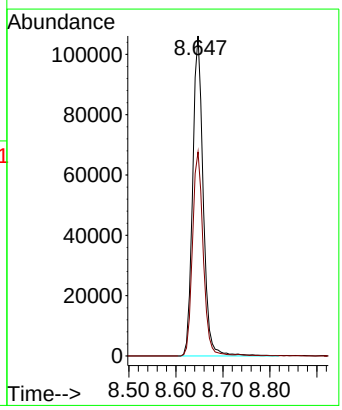


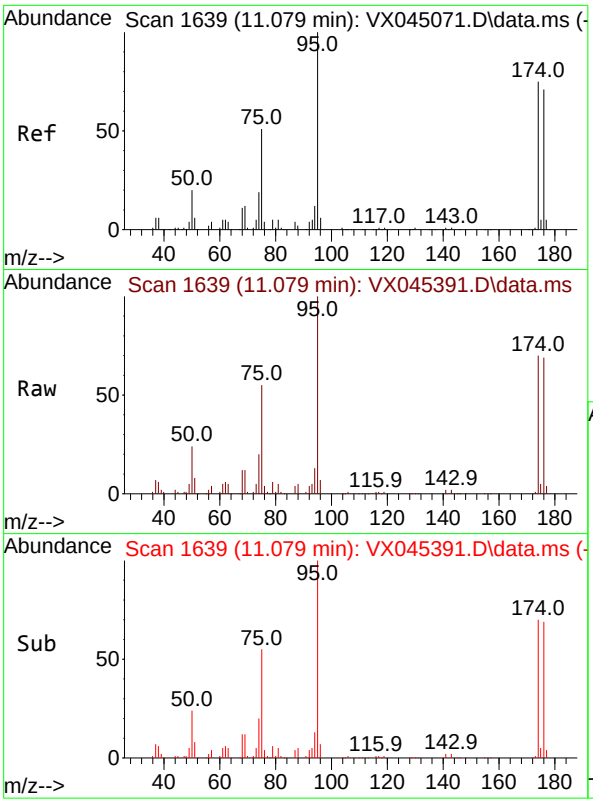


#50
Toluene-d8
Concen: 51.618 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Tgt Ion: 98 Resp: 166764

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



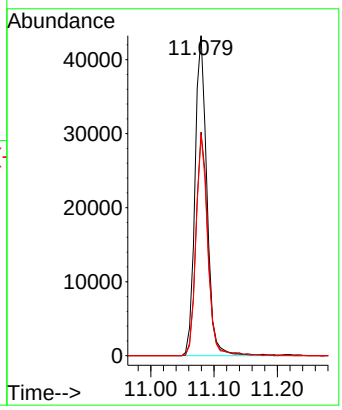


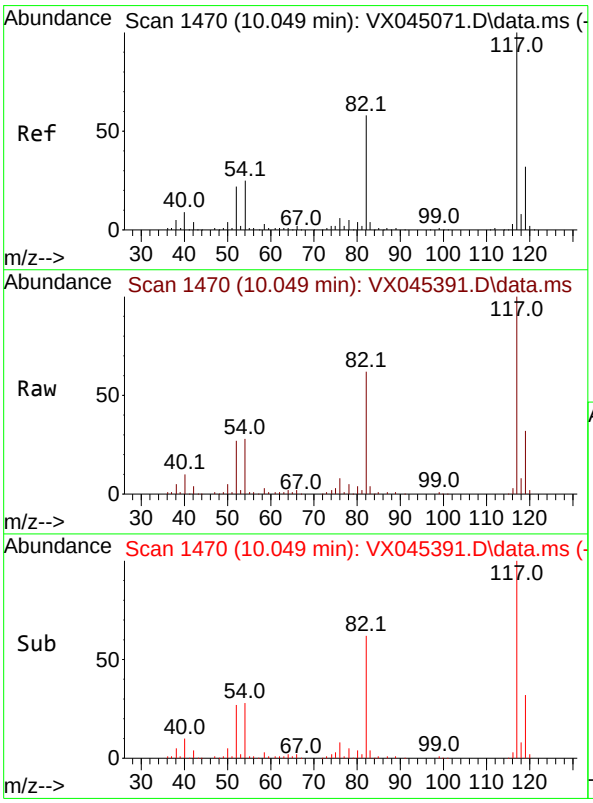
#62
4-Bromofluorobenzene
Concen: 53.151 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion: 95 Resp: 56902

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	148.2
176	67.5	0.0	141.4

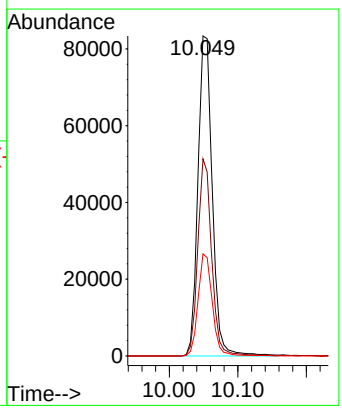


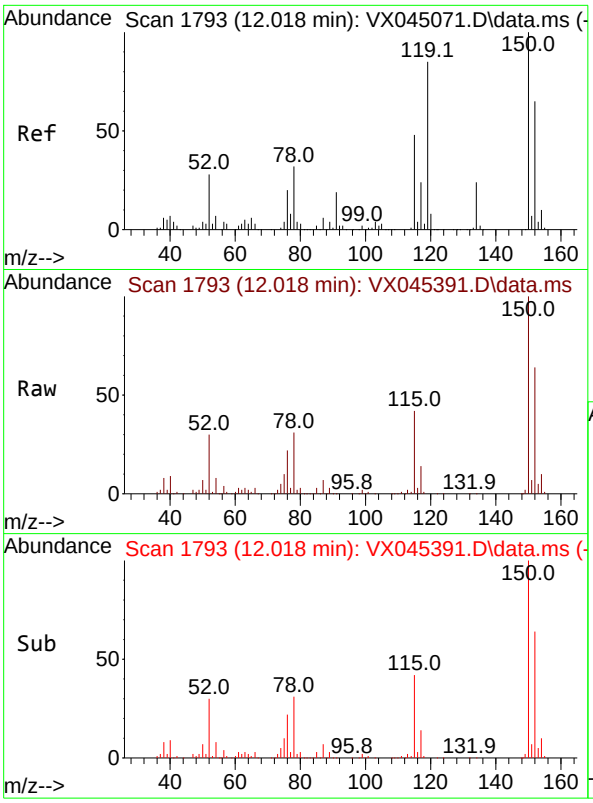


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Tgt Ion:117 Resp: 121816

Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.3	69.5
119	31.9	25.7	38.5



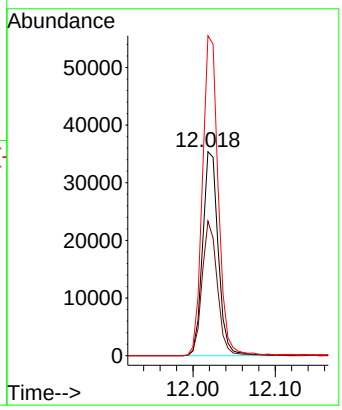


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045391.D
Acq: 21 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
TT191D1-20250314

Tgt Ion:152 Resp: 46699

Ion	Ratio	Lower	Upper
152	100		
115	64.8	44.2	132.6
150	158.6	0.0	349.0



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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT191D2-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-14	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045392.D	1		03/21/25 16:48	VX032125

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	4.80		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.98	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	0.75	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	80.7		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	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT191D2-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-14	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045392.D	1		03/21/25 16:48	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.2		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.0		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68900	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	49500	12.018				

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	TT191D2-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-14	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045392.D	1		03/21/25 16:48	VX032125

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\VX032125\
Data File : VX045392.D
Acq On : 21 Mar 2025 16:48
Operator : JC/MD
Sample : Q1582-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Quant Time: Mar 21 23:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

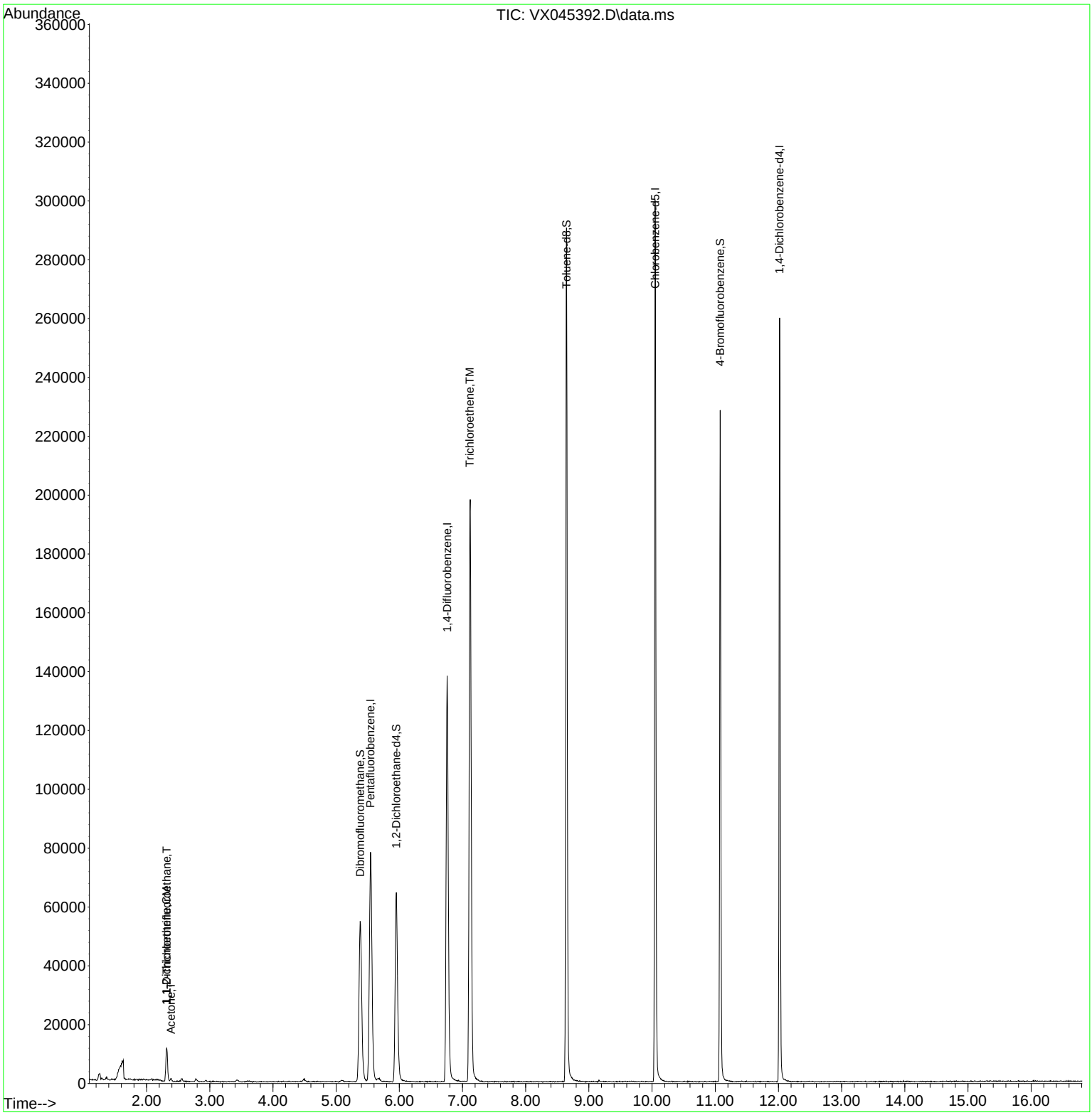
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	68899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62685	57.197	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.400%			
35) Dibromofluoromethane	5.379	113	47590	53.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.647	98	168628	52.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	11.079	95	57830	53.827	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.660%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	3834	4.788	ug/l	97
12) 1,1-Dichloroethene	2.313	96	832	0.983	ug/l	80
16) Acetone	2.386	43	1159	2.279	ug/l #	85
44) Trichloroethene	7.117	130	73391	80.704	ug/l	98

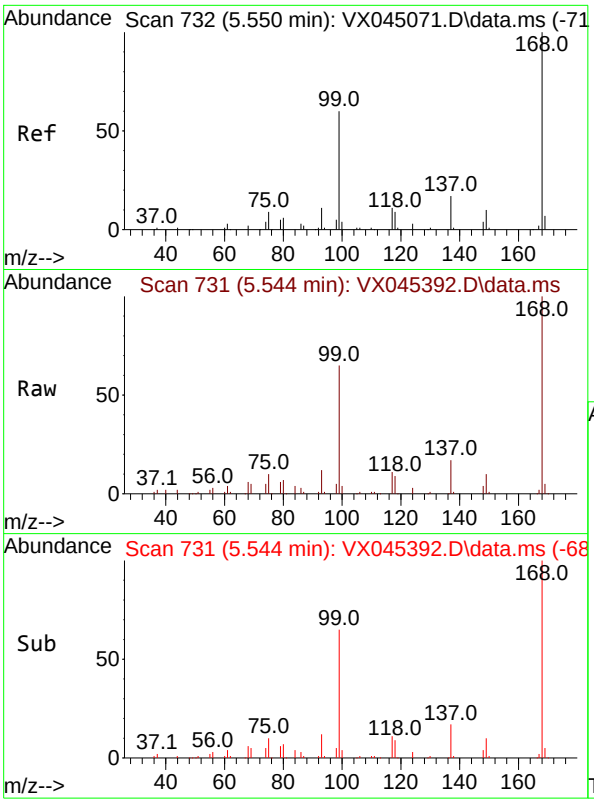
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045392.D
Acq On : 21 Mar 2025 16:48
Operator : JC/MD
Sample : Q1582-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Quant Time: Mar 21 23:18:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



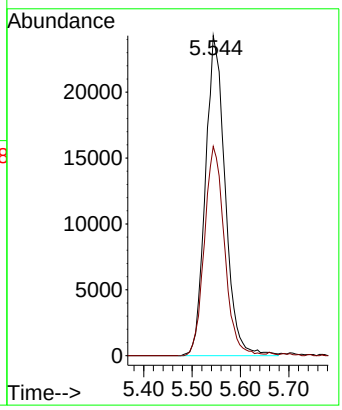


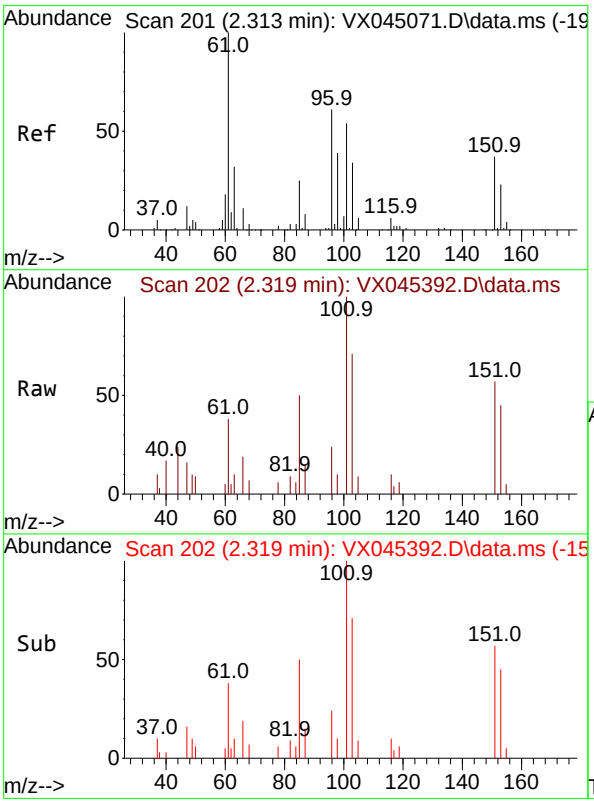
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Tgt Ion:168 Resp: 68899

Ion	Ratio	Lower	Upper
168	100		
99	65.4	48.2	72.4

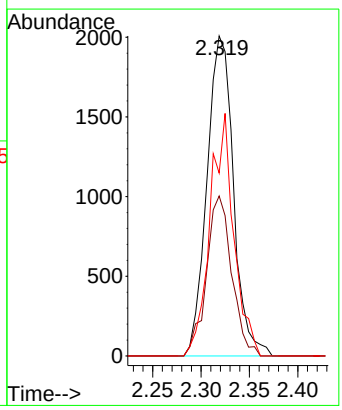


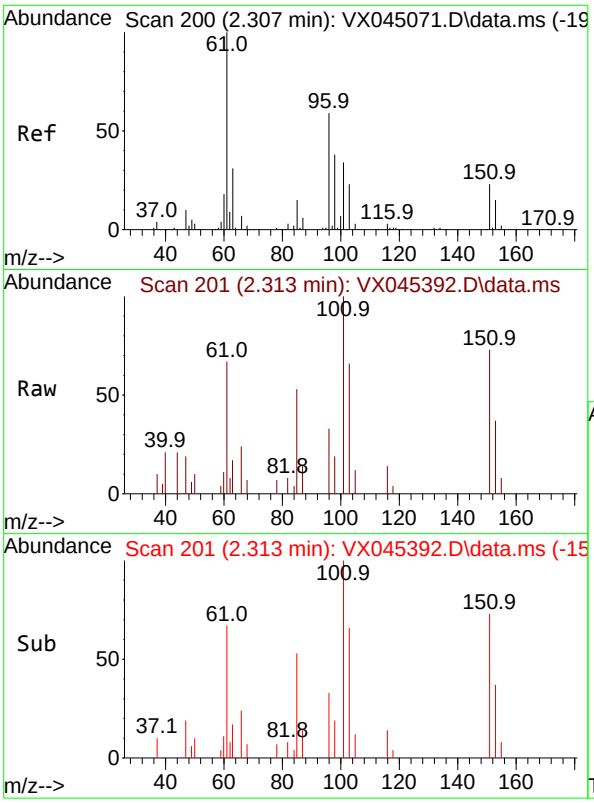


#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.788 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Tgt Ion:101 Resp: 3834

Ion	Ratio	Lower	Upper
101	100		
85	47.6	36.2	54.4
151	68.1	56.4	84.6



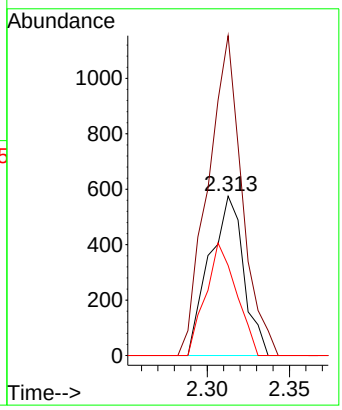


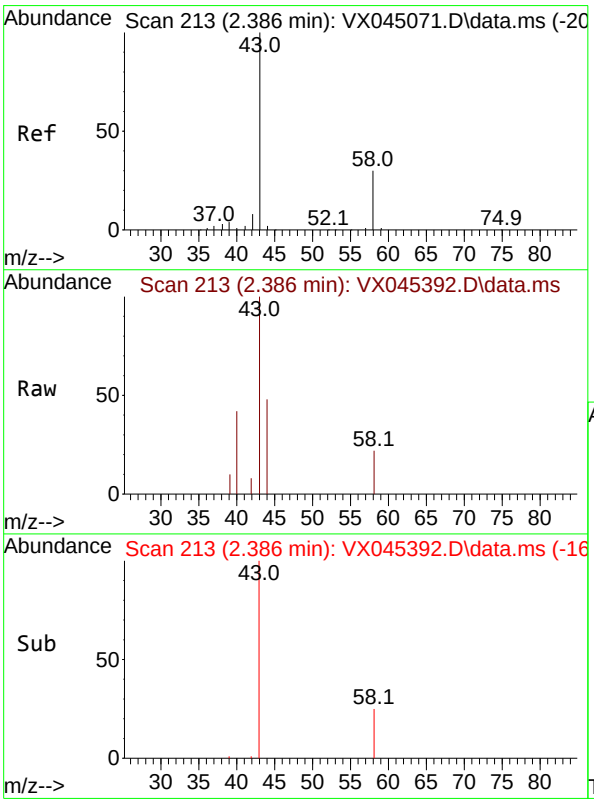
#12
1,1-Dichloroethene
Concen: 0.983 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Tgt Ion: 96 Resp: 832

Ion	Ratio	Lower	Upper
96	100		
61	200.7	134.6	202.0
98	56.5	51.0	76.6

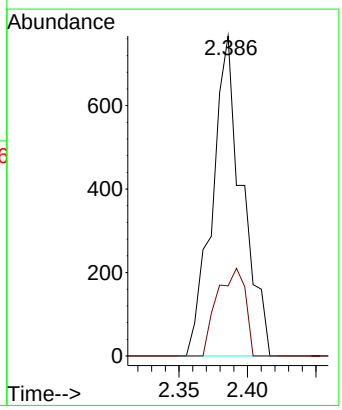


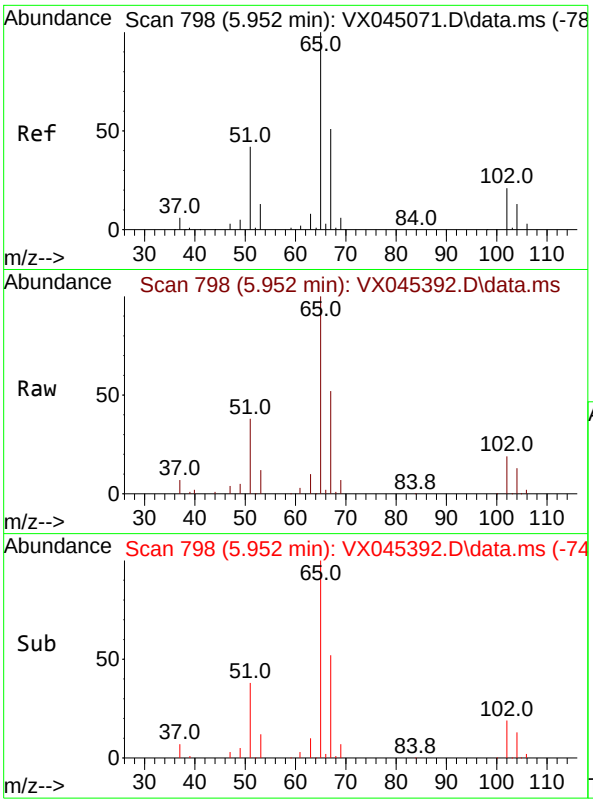


#16
Acetone
Concen: 2.279 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Tgt Ion: 43 Resp: 1159

Ion	Ratio	Lower	Upper
43	100		
58	21.9	24.2	36.4#



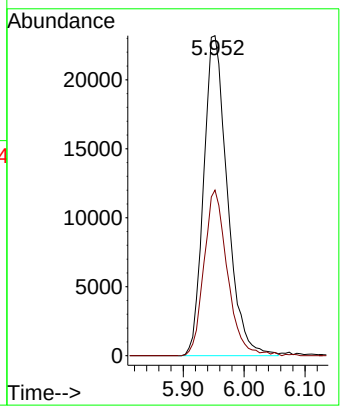


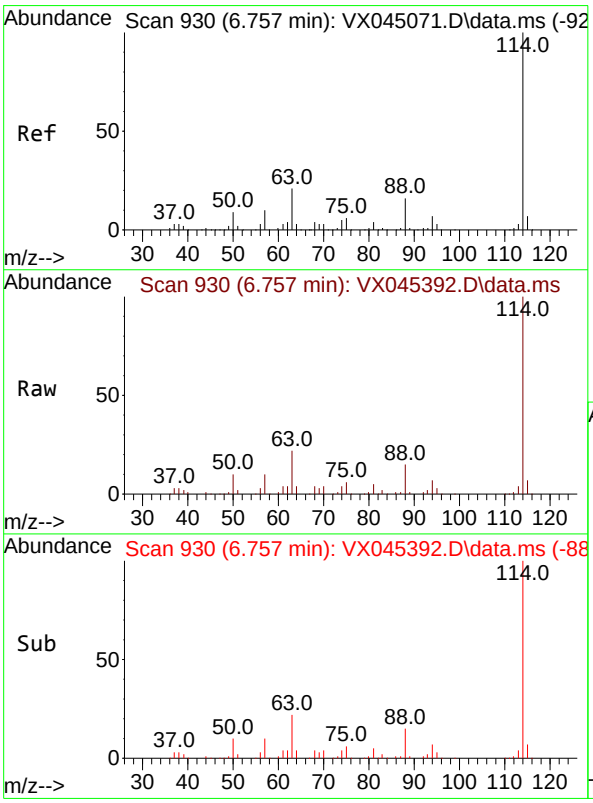
#33
1,2-Dichloroethane-d4
Concen: 57.197 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Tgt Ion: 65 Resp: 62685

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2

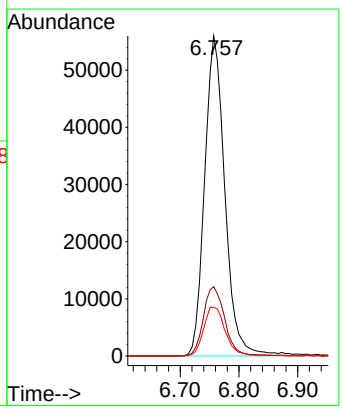


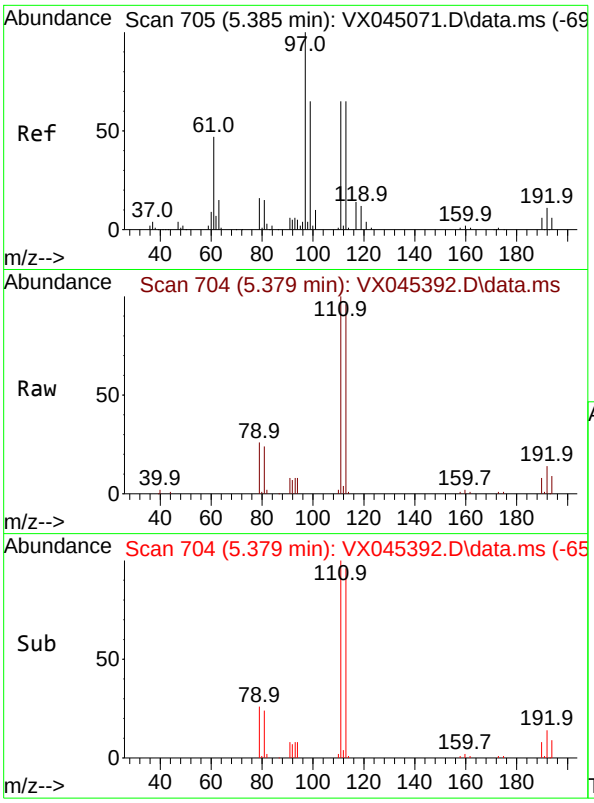


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Tgt Ion:114 Resp: 133744

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.8
88	15.2	0.0	32.8



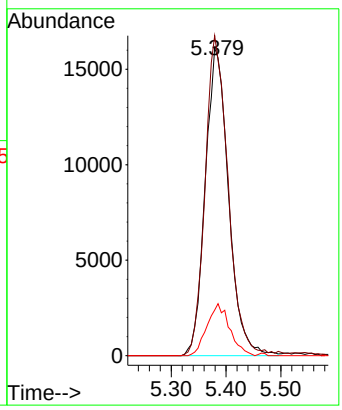


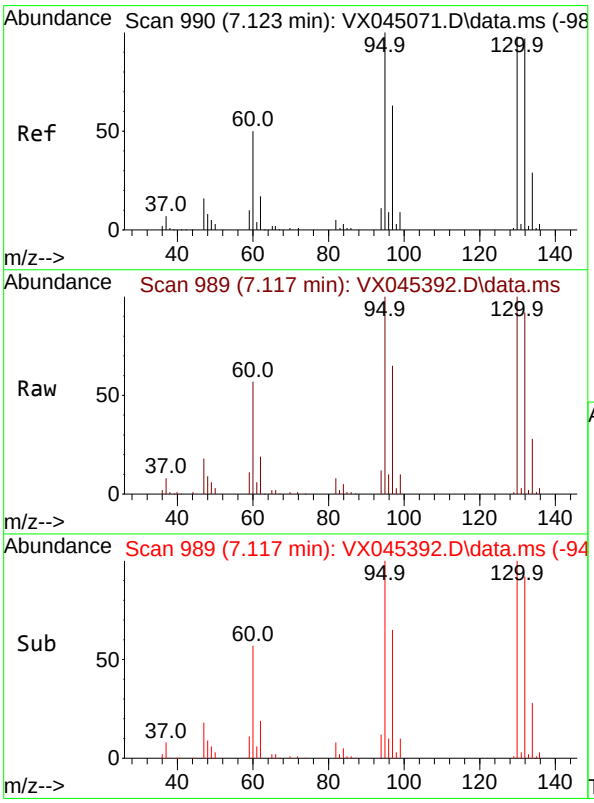
#35
Dibromofluoromethane
Concen: 53.214 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Tgt Ion:113 Resp: 47590

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	16.4	14.3	21.5

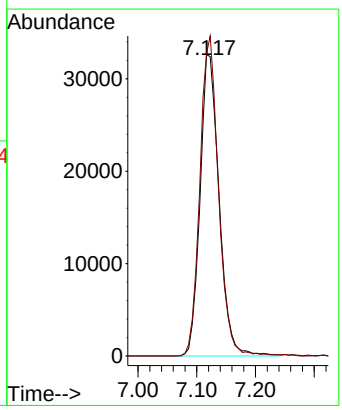


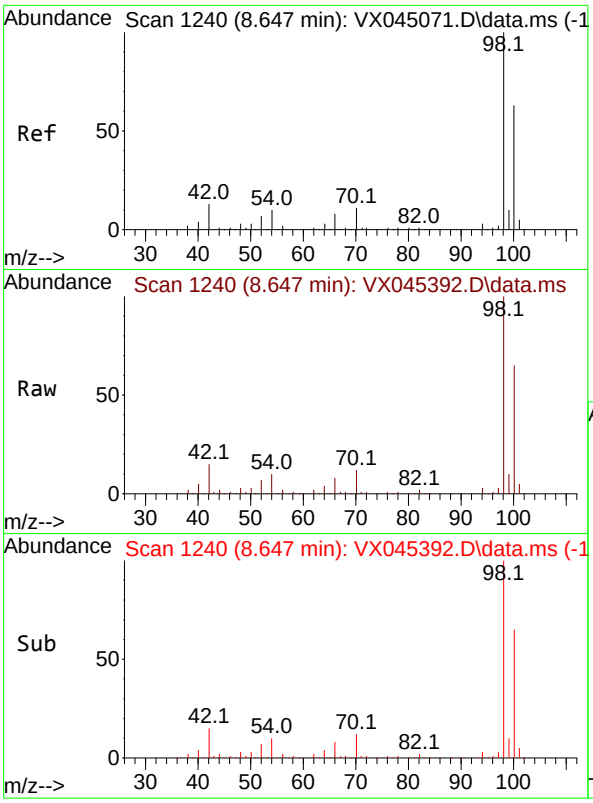


#44
Trichloroethene
Concen: 80.704 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Tgt Ion:130 Resp: 73391

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



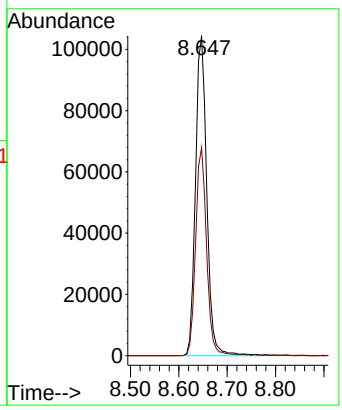


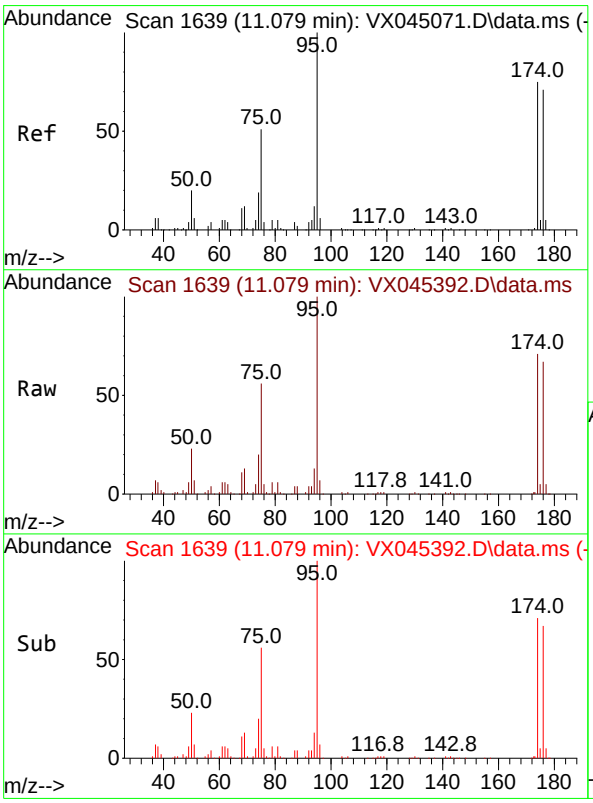
#50
Toluene-d8
Concen: 52.011 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Tgt Ion: 98 Resp: 168628

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

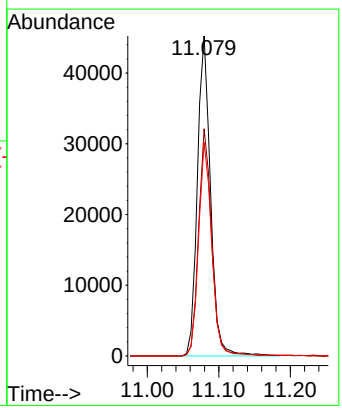


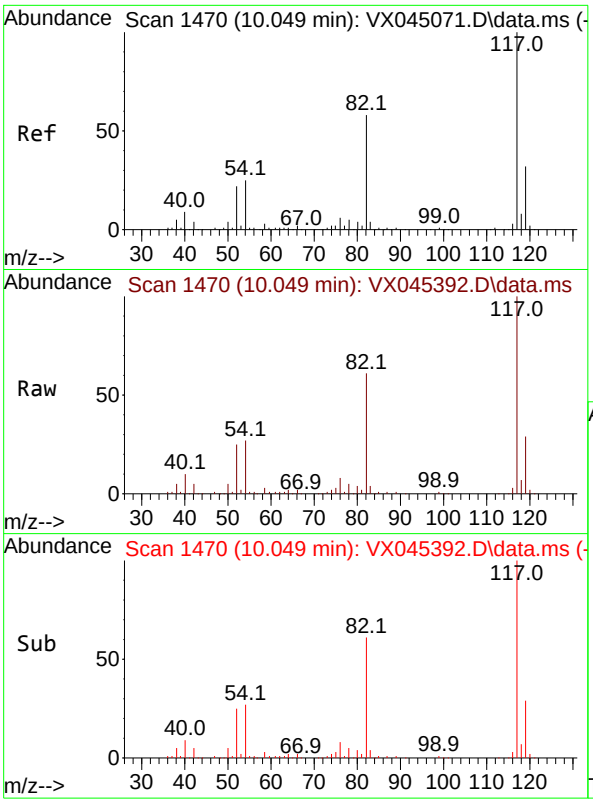


#62
4-Bromofluorobenzene
Concen: 53.827 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Tgt Ion: 95 Resp: 57830

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	148.2
176	66.9	0.0	141.4



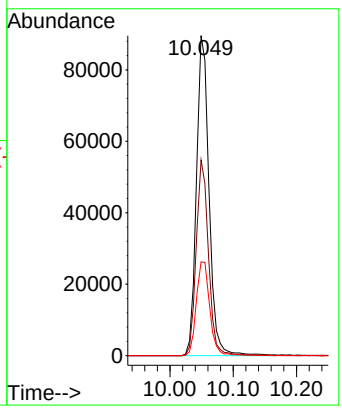


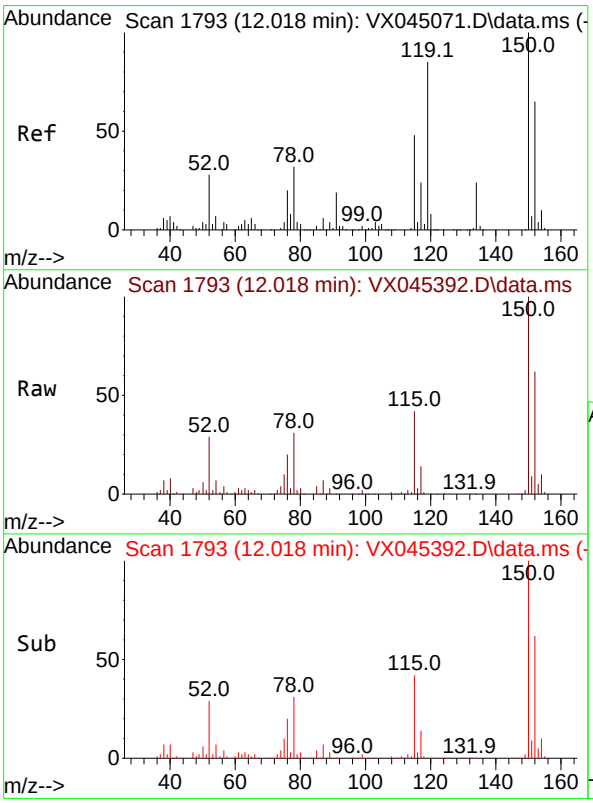
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20250314

Tgt Ion:117 Resp: 124586

Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	29.3	25.7	38.5

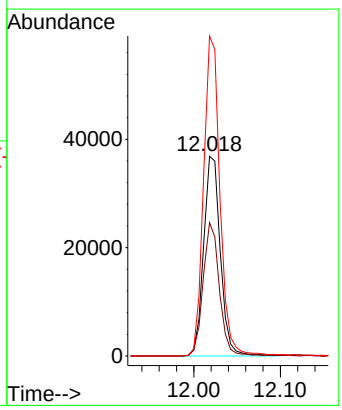




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045392.D
Acq: 21 Mar 2025 16:48

Tgt Ion:152 Resp: 49466

Ion	Ratio	Lower	Upper
152	100		
115	64.8	44.2	132.6
150	158.0	0.0	349.0



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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	DUP06-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-15	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045393.D	1		03/21/25 17:11	VX032125

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	1.90	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	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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	DUP06-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-15	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045393.D	1		03/21/25 17:11	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.7		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64300	5.544				
540-36-3	1,4-Difluorobenzene	126000	6.757				
3114-55-4	Chlorobenzene-d5	116000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	41900	12.024				

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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	DUP06-20250314	SDG No.:	Q1582
Lab Sample ID:	Q1582-15	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045393.D	1		03/21/25 17:11	VX032125

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\VX032125\
Data File : VX045393.D
Acq On : 21 Mar 2025 17:11
Operator : JC/MD
Sample : Q1582-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Quant Time: Mar 21 23:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

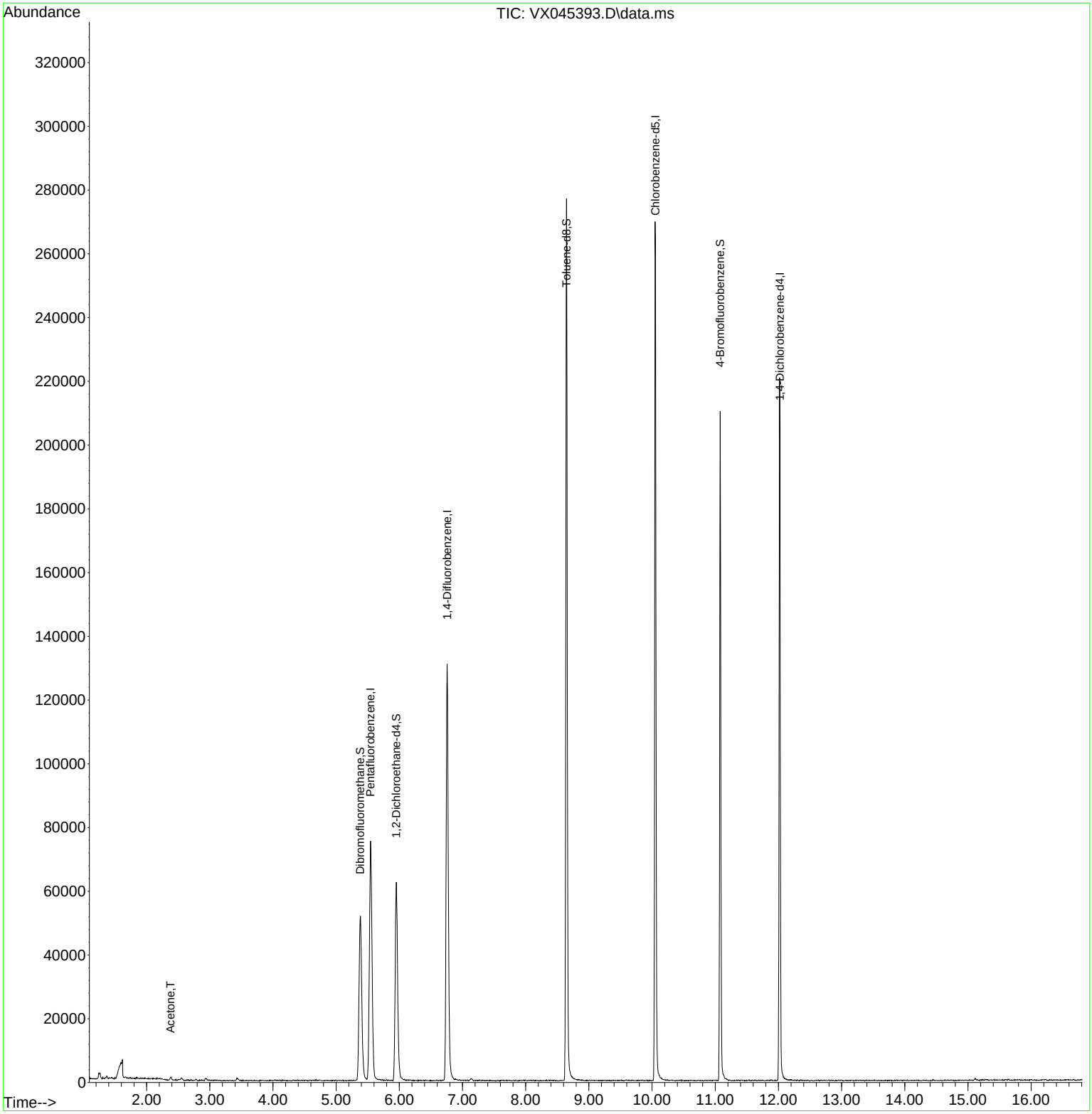
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59975	58.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.340%			
35) Dibromofluoromethane	5.379	113	45249	53.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.500%			
50) Toluene-d8	8.647	98	158139	51.816	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.640%			
62) 4-Bromofluorobenzene	11.079	95	52856	52.265	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.520%			
Target Compounds						Qvalue
16) Acetone	2.380	43	923	1.946	ug/l #	88

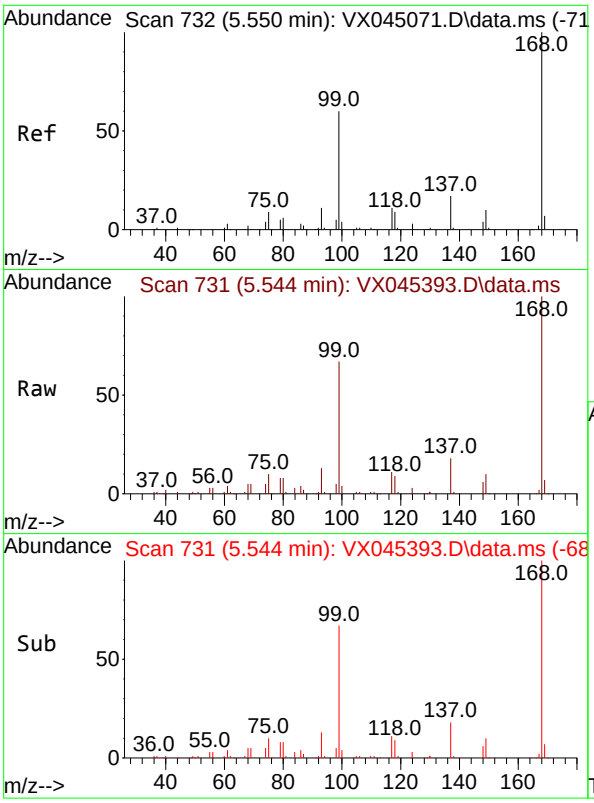
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045393.D
Acq On : 21 Mar 2025 17:11
Operator : JC/MD
Sample : Q1582-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Quant Time: Mar 21 23:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



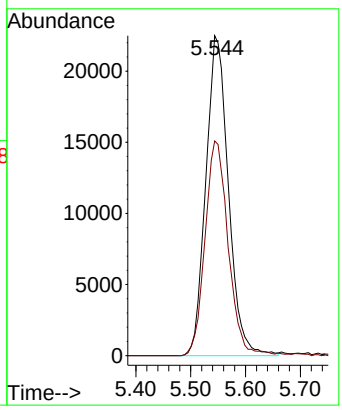


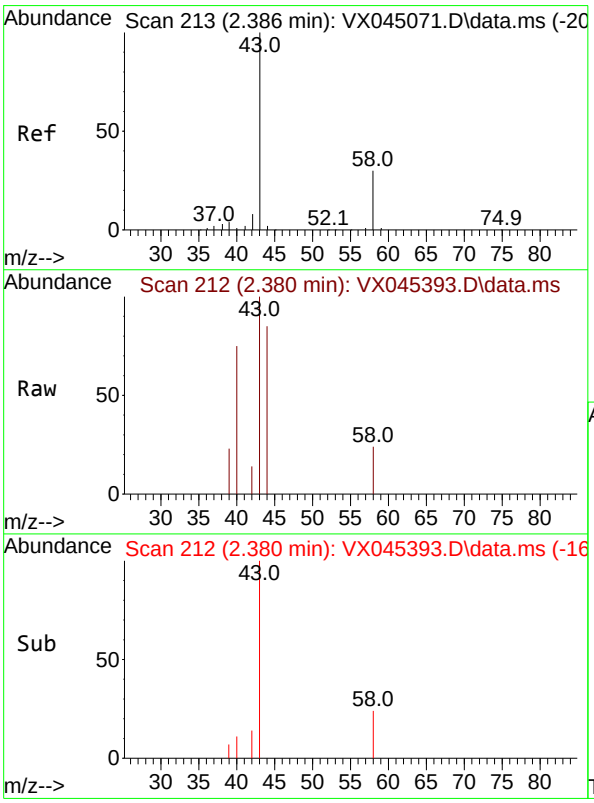
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Tgt Ion:168 Resp: 64262

Ion	Ratio	Lower	Upper
168	100		
99	67.1	48.2	72.4

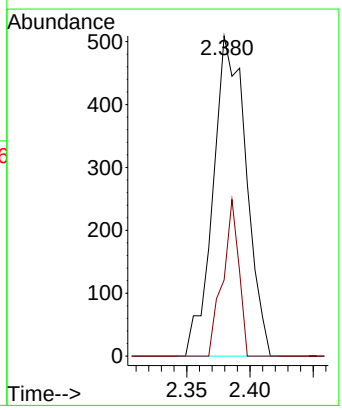


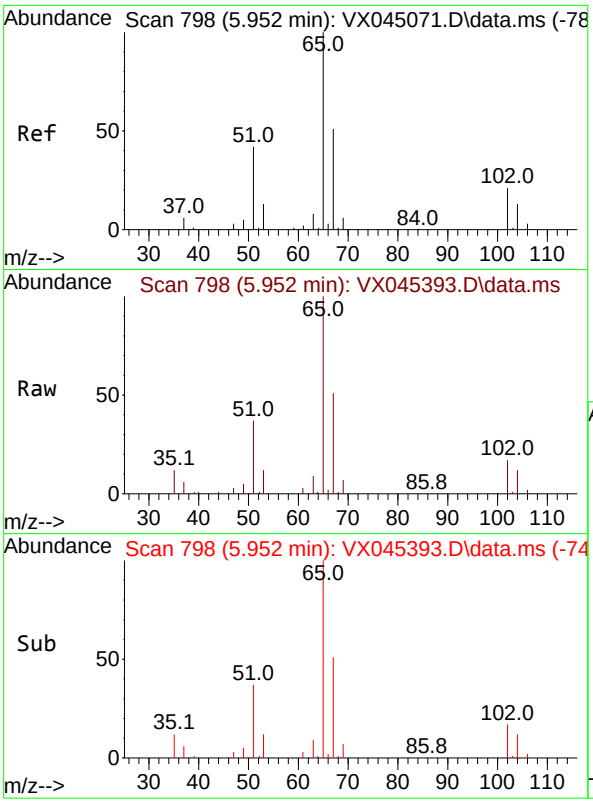


#16
Acetone
Concen: 1.946 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Tgt Ion: 43 Resp: 923

Ion	Ratio	Lower	Upper
43	100		
58	23.8	24.2	36.4#



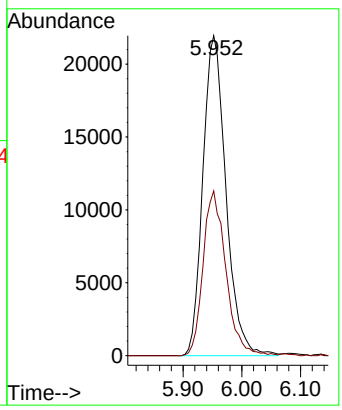


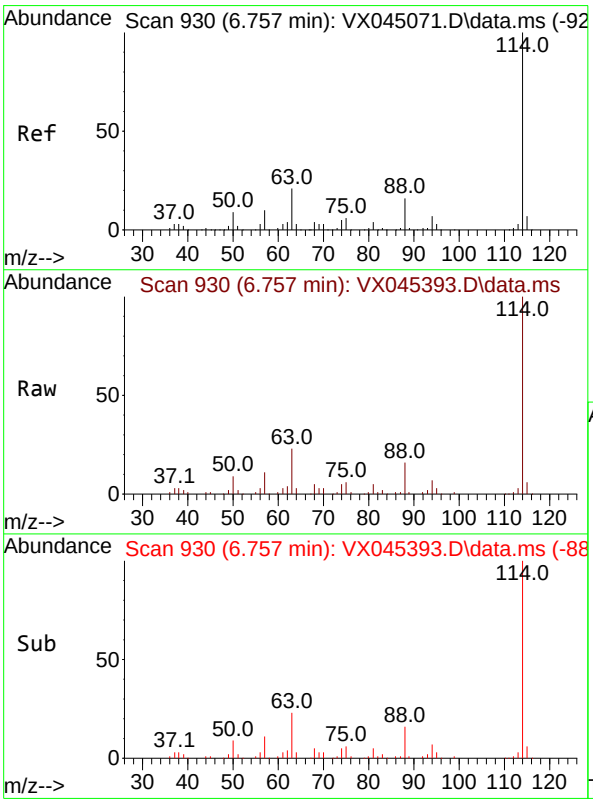
#33
1,2-Dichloroethane-d4
Concen: 58.674 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Tgt Ion: 65 Resp: 59975

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

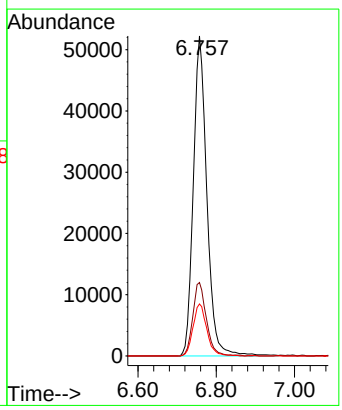


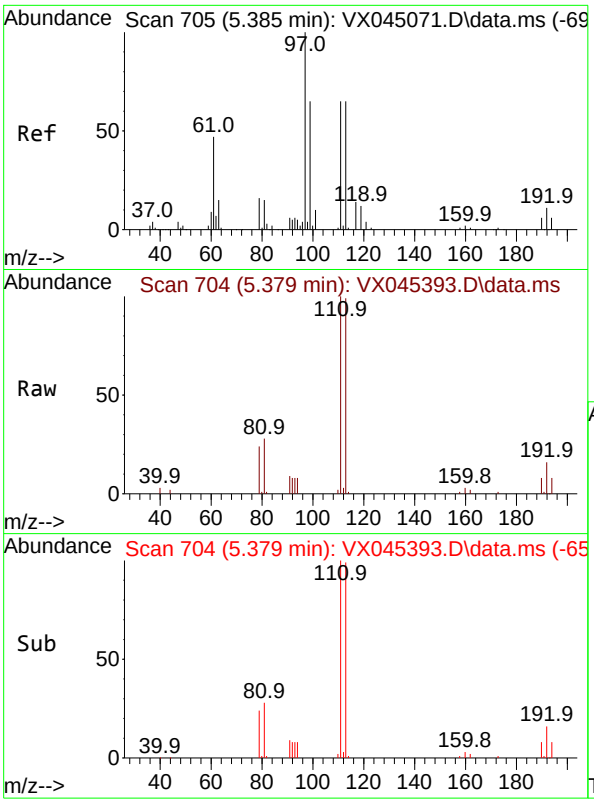


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Tgt Ion:114 Resp: 125895

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	16.2	0.0	32.8



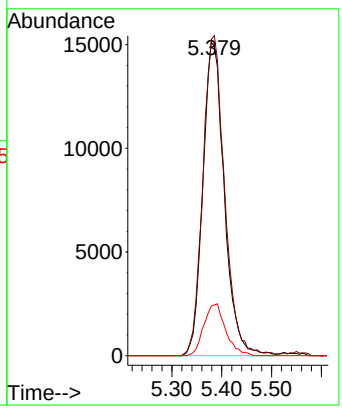


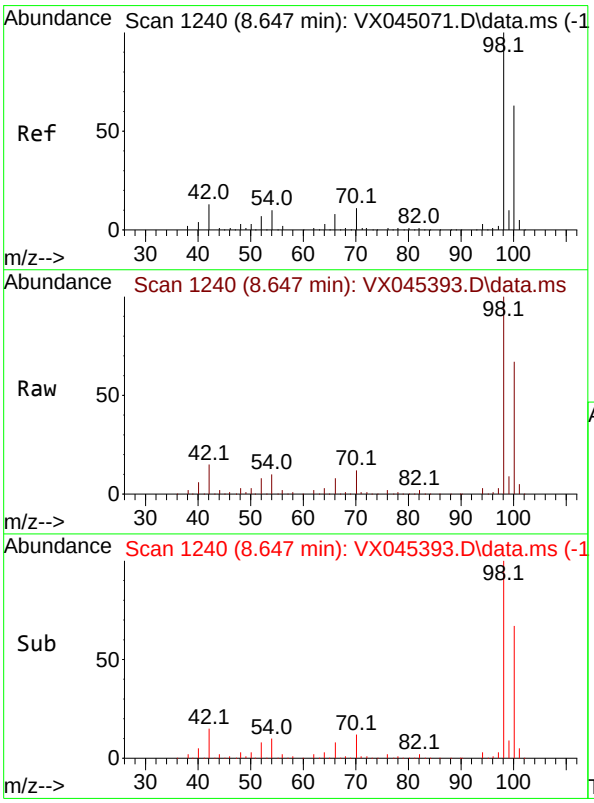
#35
Dibromofluoromethane
Concen: 53.751 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Tgt Ion:113 Resp: 45249

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	16.7	14.3	21.5

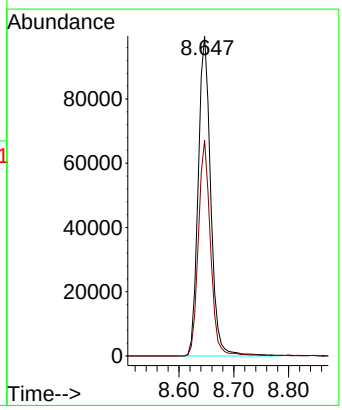


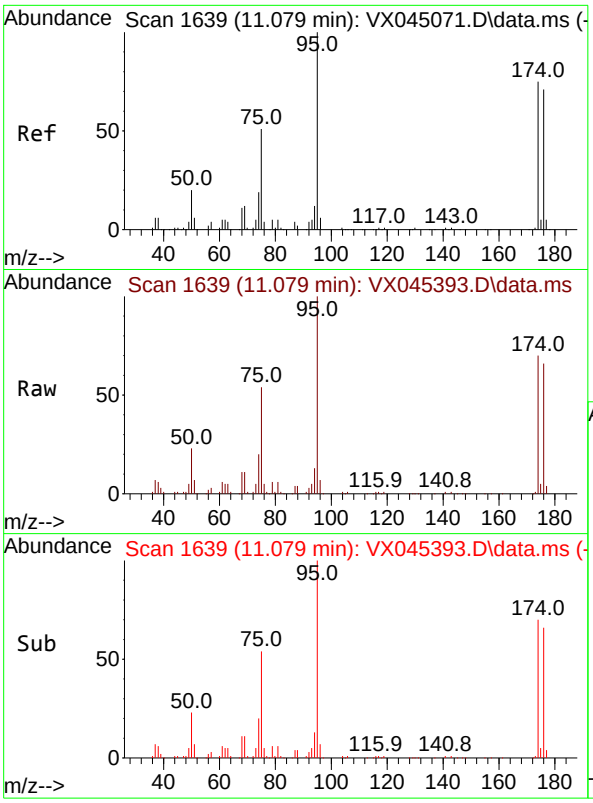


#50
Toluene-d8
Concen: 51.816 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Tgt Ion: 98 Resp: 158139

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



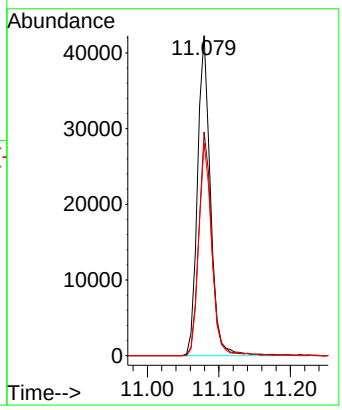


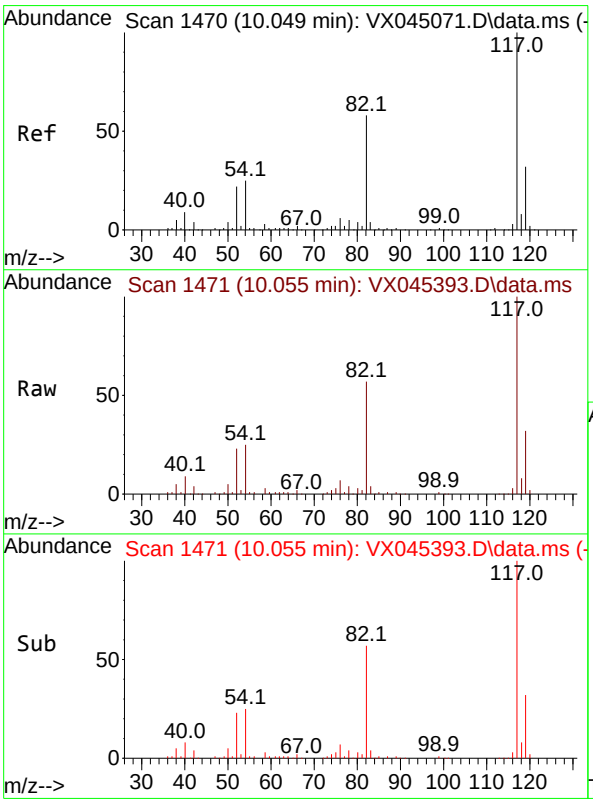
#62
4-Bromofluorobenzene
Concen: 52.265 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Tgt Ion: 95 Resp: 52856

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	148.2
176	67.1	0.0	141.4

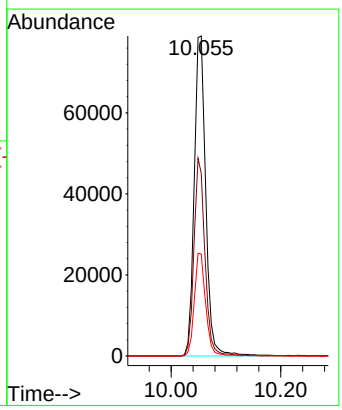


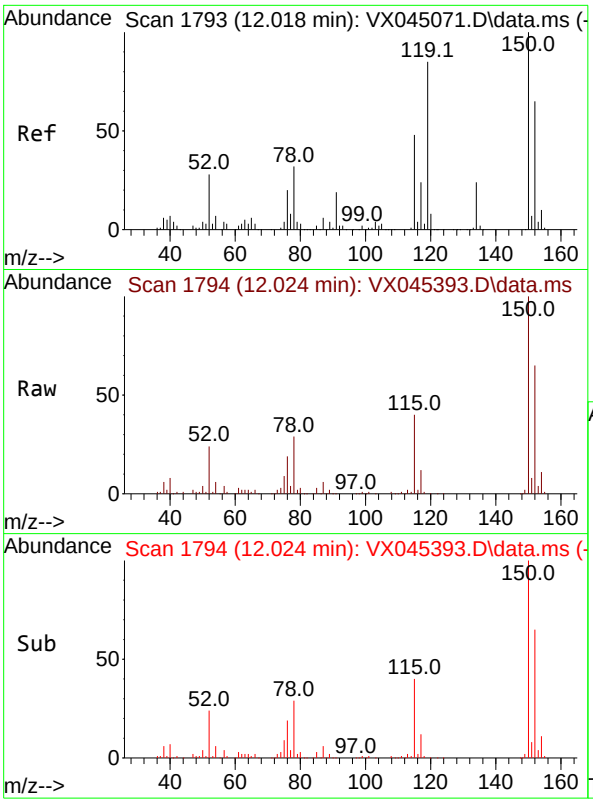


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Tgt Ion:117 Resp: 116324

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.3	69.5
119	31.9	25.7	38.5



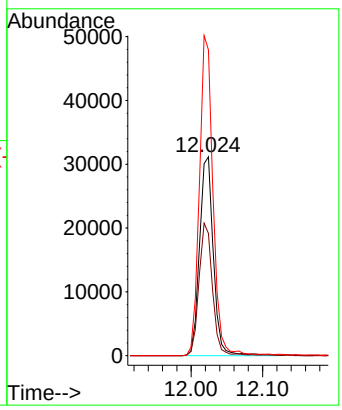


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045393.D
Acq: 21 Mar 2025 17:11

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20250314

Tgt Ion:152 Resp: 41891

Ion	Ratio	Lower	Upper
152	100		
115	64.8	44.2	132.6
150	157.2	0.0	349.0



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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	FB	SDG No.:	Q1582
Lab Sample ID:	Q1582-16	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045360.D	1		03/20/25 14:50	VX032025

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:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	FB	SDG No.:	Q1582
Lab Sample ID:	Q1582-16	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045360.D	1		03/20/25 14:50	VX032025

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	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66500	5.55				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	119000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	44200	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/14/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/14/25
Client Sample ID:	FB	SDG No.:	Q1582
Lab Sample ID:	Q1582-16	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045360.D	1		03/20/25 14:50	VX032025

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\VX032025\
Data File : VX045360.D
Acq On : 20 Mar 2025 14:50
Operator : JC/MD
Sample : Q1582-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: Mar 21 01:48:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132547	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60209	56.937	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.880%			
35) Dibromofluoromethane	5.385	113	45058	50.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	163589	50.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	53491	50.238	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.480%			

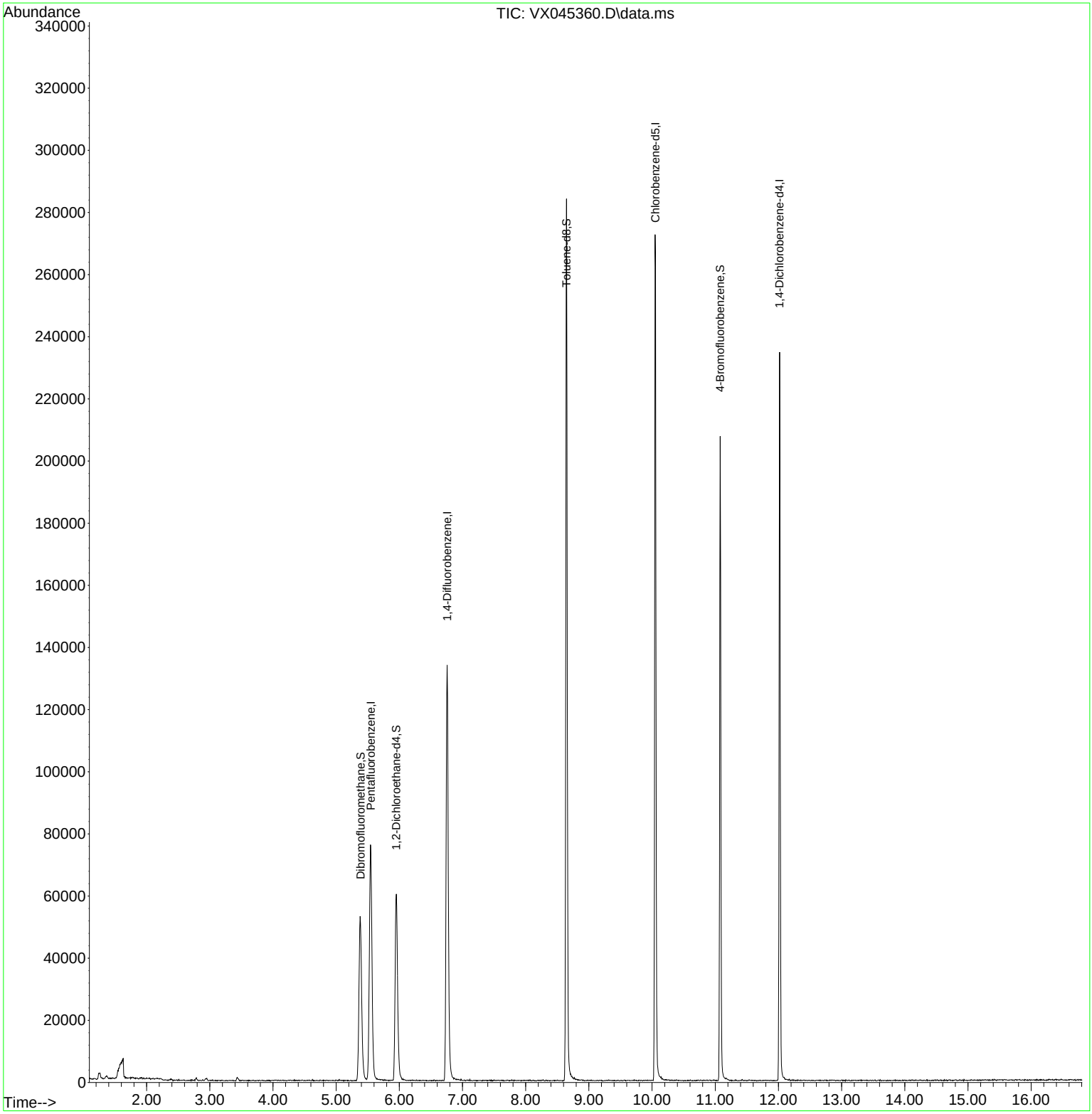
Target Compounds Qvalue

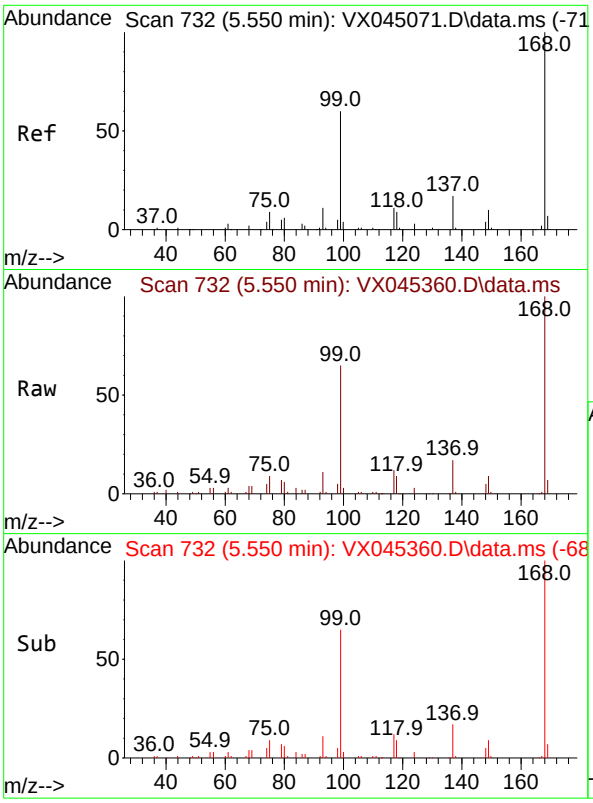
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045360.D
Acq On : 20 Mar 2025 14:50
Operator : JC/MD
Sample : Q1582-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: Mar 21 01:48:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



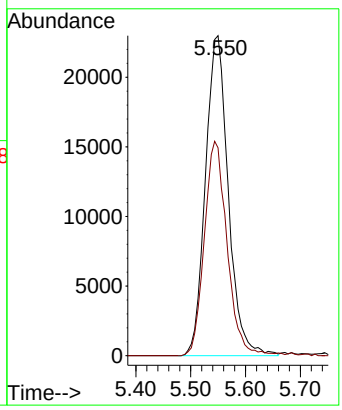


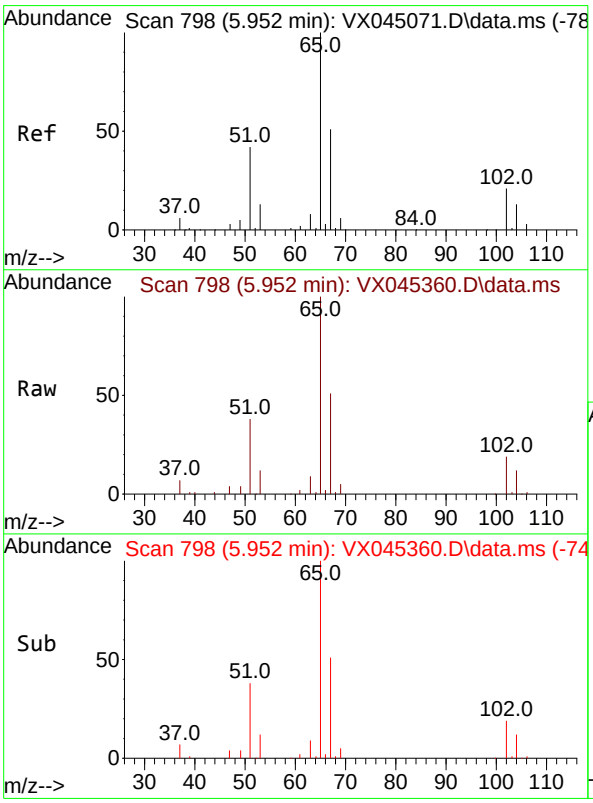
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:168 Resp: 66480

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.4

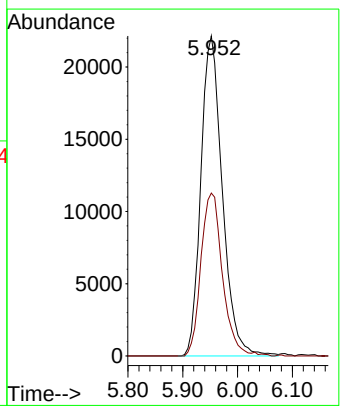


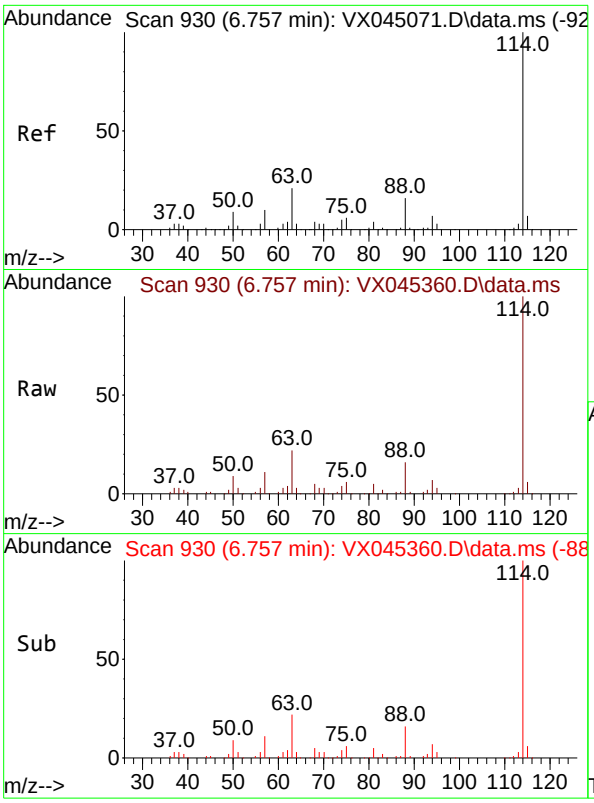


#33
1,2-Dichloroethane-d4
Concen: 56.937 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 65 Resp: 60209

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



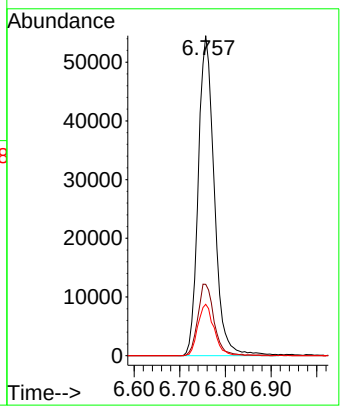


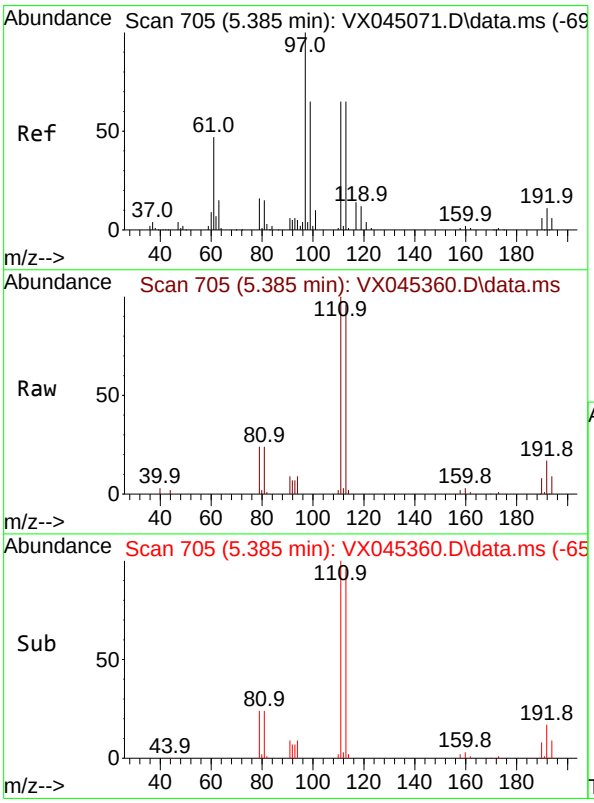
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:114 Resp: 132547

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	16.0	0.0	32.8

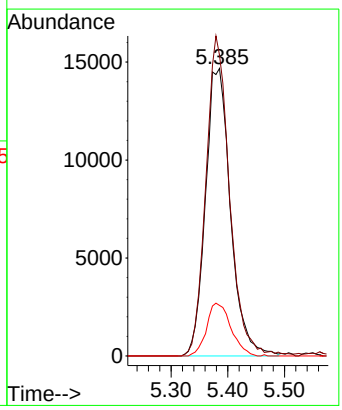


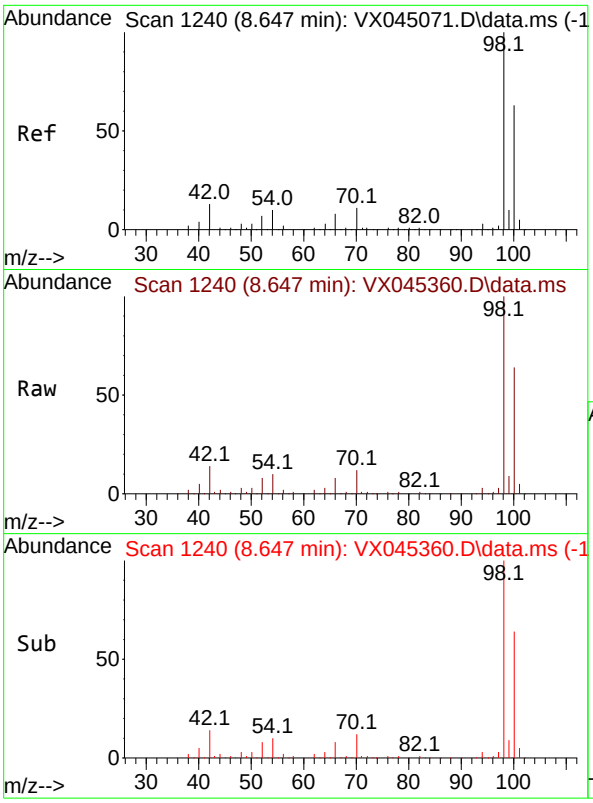


#35
Dibromofluoromethane
Concen: 50.838 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion:113 Resp: 45058

Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.8	122.6
192	17.9	14.3	21.5



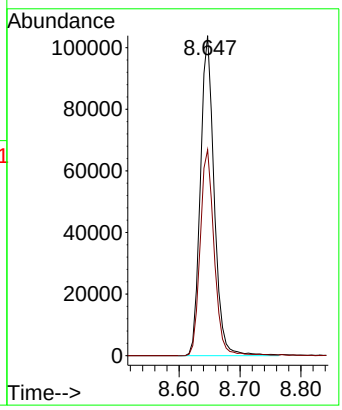


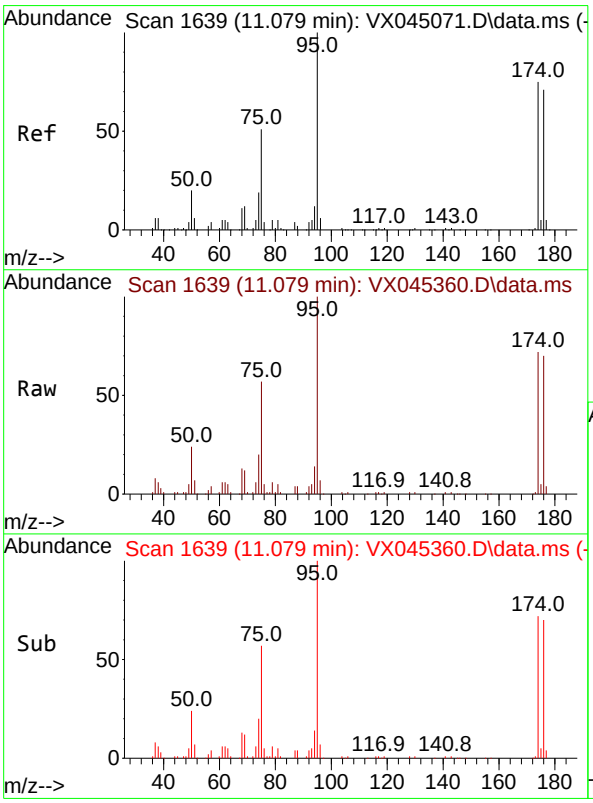
#50
Toluene-d8
Concen: 50.912 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion: 98 Resp: 163589

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

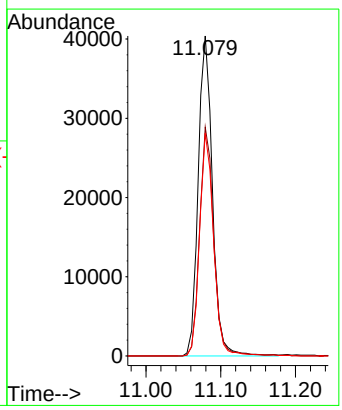


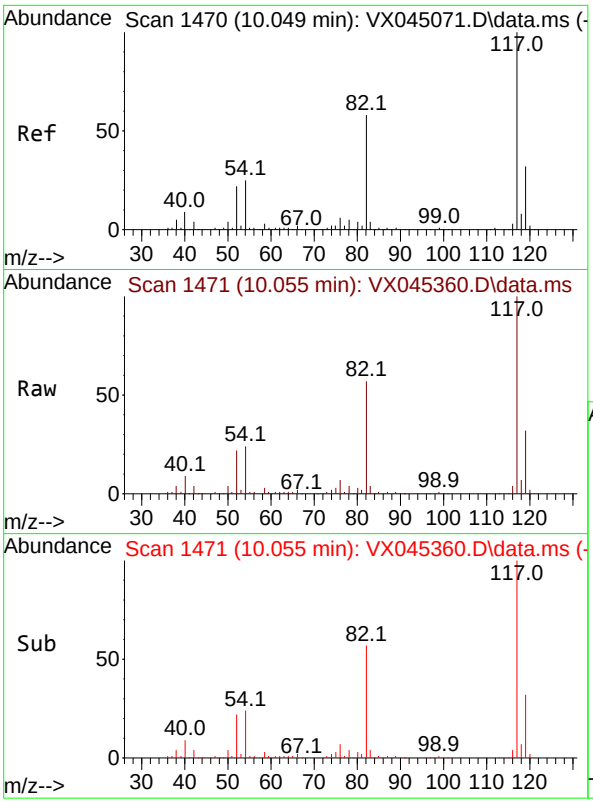


#62
4-Bromofluorobenzene
Concen: 50.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion: 95 Resp: 53491

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	68.6	0.0	141.4



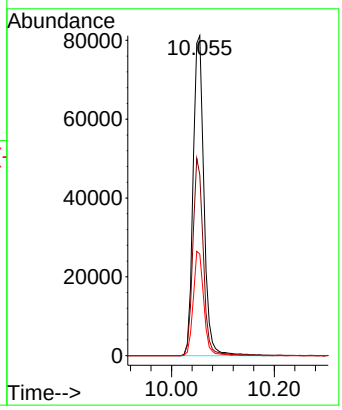


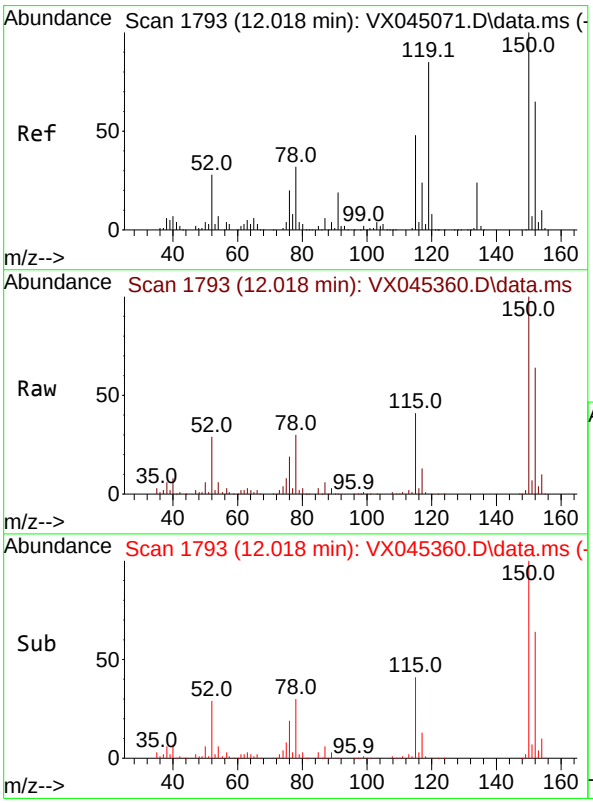
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:117 Resp: 119115

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.3	69.5
119	31.8	25.7	38.5

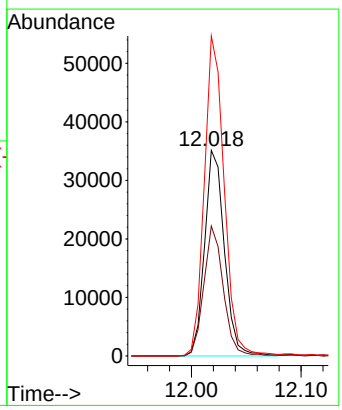




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045360.D
Acq: 20 Mar 2025 14:50

Tgt Ion:152 Resp: 44156

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.2	132.6
150	155.7	0.0	349.0



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID: RRF001 = VX045068.D RRF005 = VX045069.D RRF020 = VX045070.D
RRF050 = VX045071.D RRF100 = VX045072.D RRF150 = VX045073.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

* 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 : 82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025
Response Via : Initial Calibration

Calibration Files
1 =VX045068.D 5 =VX045069.D 20 =VX045070.D 50 =VX045071.D 100 =VX045072.D 150 =VX045073.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.38
3)	P	Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.68
4)	C	Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1.03#
5)	T	Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7.01
6)	T	Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.54
7)	T	Trichlorofluor...	0.978	1.061	1.050	1.050	0.982	0.948	1.011	4.73
8)	T	Diethyl Ether	0.406	0.402	0.409	0.387	0.387	0.383	0.396	2.83
9)	T	1,1,2-Trichlor...	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.41
10)	T	Methyl Iodide		0.607	0.758	0.769	0.758	0.739	0.726	9.28
11)	T	Tert butyl alc...		0.189	0.161	0.134	0.133	0.136	0.151	16.19
12)	CM	1,1-Dichloroet...	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.27#
13)	T	Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.53
14)	T	Allyl chloride	1.140	1.047	1.104	1.107	1.091	1.072	1.094	2.92
15)	T	Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.90
16)	T	Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7.04
17)	T	Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.62
18)	T	Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.59
19)	T	Methyl tert-bu...	1.955	1.913	2.127	2.083	2.132	2.158	2.061	4.97
20)	T	Methylene Chlo...	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.84
21)	T	trans-1,2-Dich...	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.73
22)	T	Diisopropyl ether	1.959	2.156	2.321	2.291	2.310	2.307	2.224	6.46
23)	T	Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.38
24)	P	1,1-Dichloroet...	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.45
25)	T	2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.09
26)	T	2,2-Dichloropr...	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.74
27)	T	cis-1,2-Dichlo...	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.21
28)	T	Bromochloromet...	0.557	0.633	0.613	0.603	0.563	0.596	0.594	4.97
29)	T	Tetrahydrofuran	0.362	0.376	0.398	0.373	0.361	0.368	0.373	3.61
30)	C	Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	1.97#
31)	T	Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.35
32)	T	1,1,1-Trichlor...	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.83
33)	S	1,2-Dichloroet...		0.836	0.784	0.757	0.783	0.817	0.795	3.91
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.329	0.335	0.329	0.340	0.338	0.334	1.53
36)	T	1,1-Dichloropr...	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.77
37)	T	Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.53
38)	T	Carbon Tetrach...	0.463	0.463	0.447	0.468	0.489	0.463	0.465	2.96
39)	T	Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.07
40)	TM	Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.72
41)	T	Methacrylonitrile	0.284	0.293	0.337	0.340	0.332	0.330	0.319	7.59
42)	TM	1,2-Dichloroet...	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.63
43)	T	Isopropyl Acetate	0.675	0.800	0.940	0.929	0.935	0.964	0.874	12.98
44)	TM	Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.72
45)	C	1,2-Dichloropr...	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.68#
46)	T	Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.10
47)	T	Bromodichlorom...	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.23
48)	T	Methyl methacr...	0.352	0.422	0.460	0.463	0.458	0.475	0.438	10.46
49)	T	1,4-Dioxane	0.008	0.009	0.010	0.009	0.009	0.009	0.009	6.46
50)	S	Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.43
51)	T	4-Methyl-2-Pen...	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.52
52)	CM	Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8.03#
53)	T	t-1,3-Dichloro...	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.30
54)	T	cis-1,3-Dichlo...	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.80
55)	T	1,1,2-Trichlor...	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.63
56)	T	Ethyl methacry...	0.396	0.500	0.562	0.570	0.577	0.586	0.532	13.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M

57)	T	1,3-Dichloropr...	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.90
58)	T	2-Chloroethyl ...	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.71
59)	T	2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.08
60)	T	Dibromochlorom...	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9.01
61)	T	1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.73
62)	S	4-Bromofluorob...		0.383	0.393	0.402	0.410	0.421	0.402	3.67
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.33
65)	PM	Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.68
66)	T	1,1,1,2-Tetrac...	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.39
67)	C	Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.11#
68)	T	m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.27
69)	T	o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.52
70)	T	Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.75
71)	P	Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.94
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.79
74)	T	N-amyl acetate	1.349	1.578	1.890	1.977	2.078	2.116	1.831	16.62
75)	P	1,1,2,2-Tetrac...	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.60
76)	T	1,2,3-Trichlor...	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.73
77)	T	Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.57
78)	T	n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.14
79)	T	2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.45
80)	T	1,3,5-Trimethy...	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9.01
81)	T	trans-1,4-Dich...		0.268	0.313	0.339	0.376	0.405	0.340	15.78
82)	T	4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.80
83)	T	tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	3.96
84)	T	1,2,4-Trimethy...	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.57
85)	T	sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.65
86)	T	p-Isopropyltol...	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.91
87)	T	1,3-Dichlorobe...	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.40
88)	T	1,4-Dichlorobe...	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.06
89)	T	n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.67
90)	T	Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.30
91)	T	1,2-Dichlorobe...	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.50
92)	T	1,2-Dibromo-3-...	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.64
93)	T	1,2,4-Trichlor...	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.32
94)	T	Hexachlorobuta...	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.77
95)	T	Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.21
96)	T	1,2,3-Trichlor...	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.23

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	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 74 - 125		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 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l		90
3) Chloromethane	1.301	50	1552	0.975	ug/l		91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l	#	85
6) Chloroethane	1.673	64	766m	0.992	ug/l		
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l		97
8) Diethyl Ether	2.130	74	835	1.045	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l		87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l		92
14) Allyl chloride	2.660	41	2343	1.055	ug/l		93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l		99
16) Acetone	2.380	43	4259	5.635	ug/l		100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l	#	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l		91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l		98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l		91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l	#	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l		97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l	#	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l		96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l	#	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l	#	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l	#	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l	#	34
30) Chloroform	5.093	83	2478	0.978	ug/l		92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l	#	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l	#	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l		
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l		
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l		88
40) Benzene	6.031	78	4984	0.907	ug/l		99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l		
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	891	0.897	ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l	#	85
48) Methyl methacrylate	7.714	41	1328m	0.825	ug/l		
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l		95
52) Toluene	8.720	92	2700	0.841	ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l		97
69) o-Xylene	10.640	106	1949	0.891	ug/l		95
70) Styrene	10.665	104	2810	0.802	ug/l		97
71) Bromoform	10.799	173	667	0.768	ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1531m	1.015	ug/l		
77) Bromobenzene	11.201	156	1166	0.972	ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l		94
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l		96
88) 1,4-Dichlorobenzene	12.043	146	2082m	0.962	ug/l		
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l		93
90) Hexachloroethane	12.536	117	609	0.805	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l		94
95) Naphthalene	13.780	128	3337	0.707	ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l		93

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

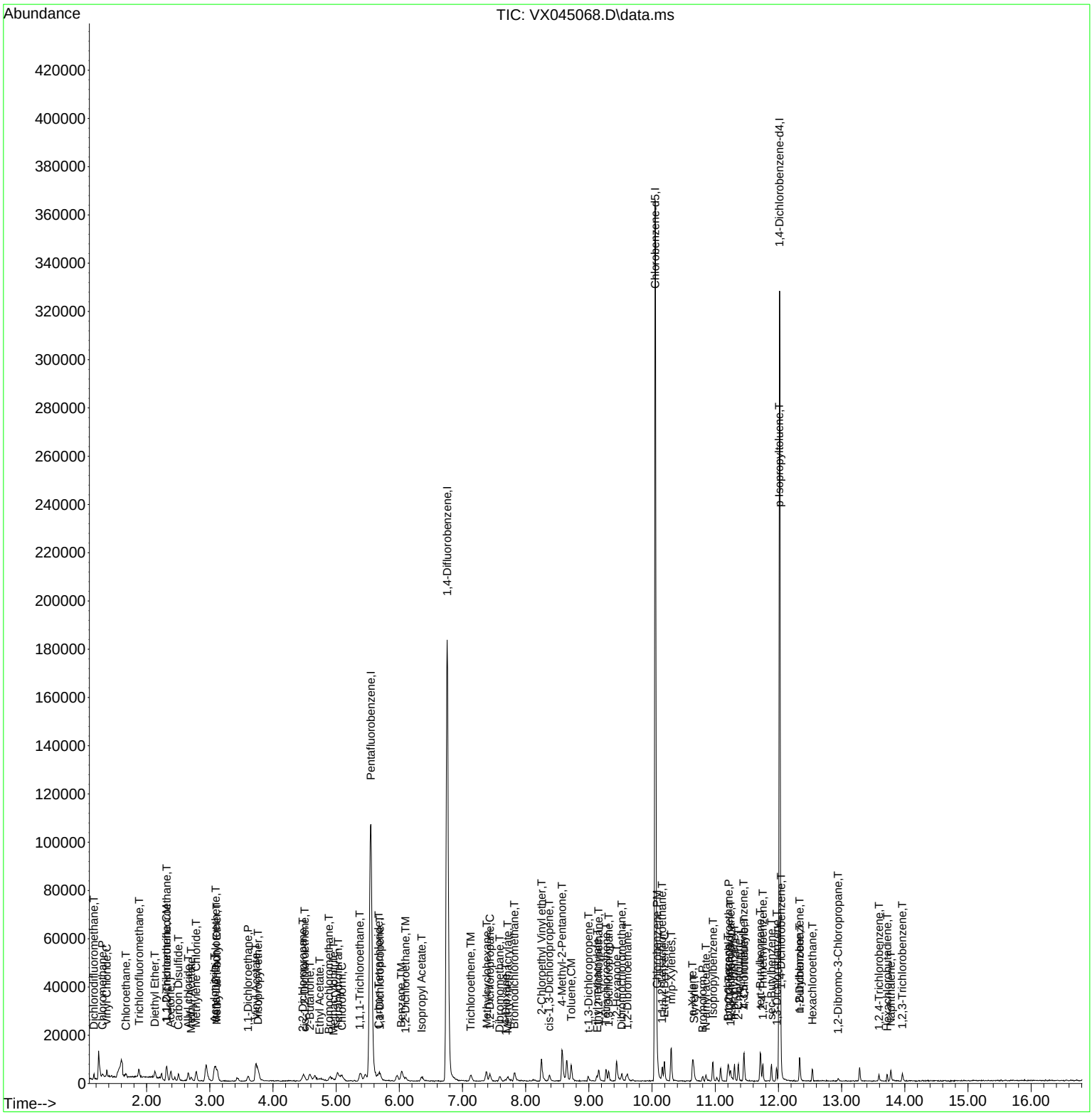
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

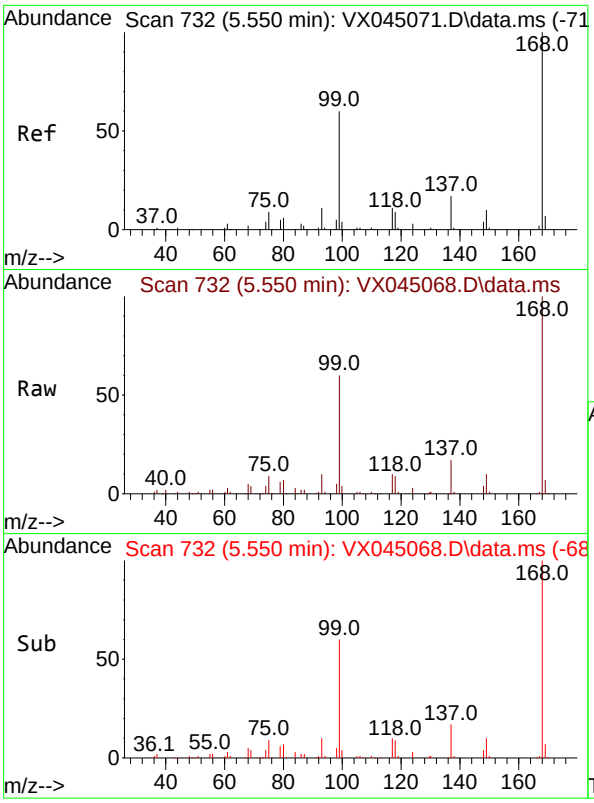
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

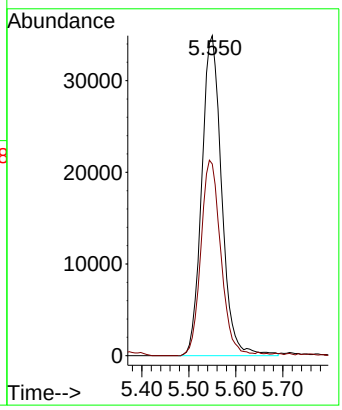




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

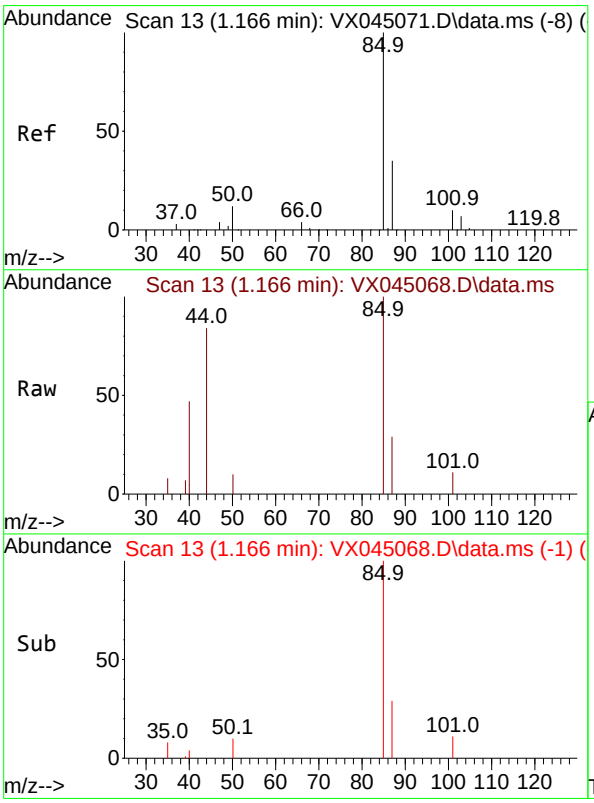
Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

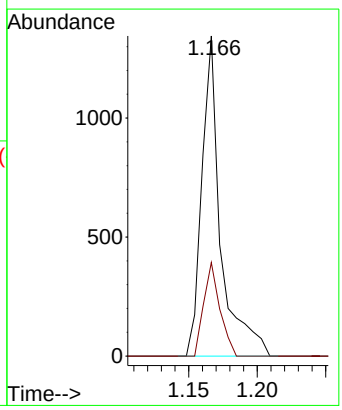
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

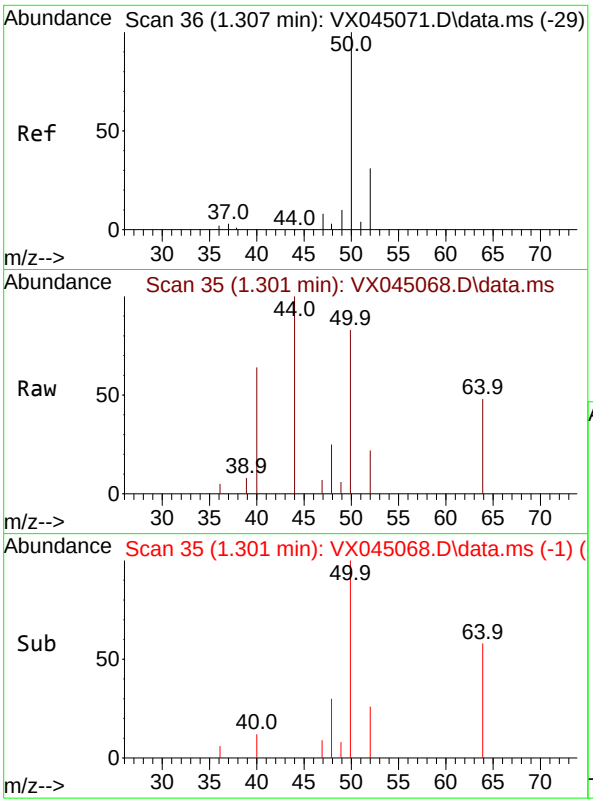


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

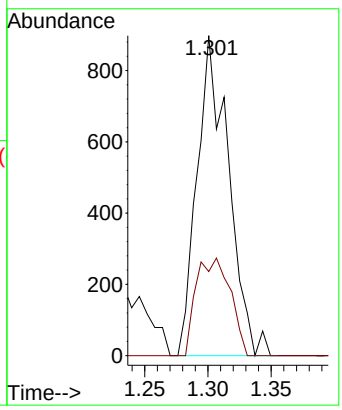




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

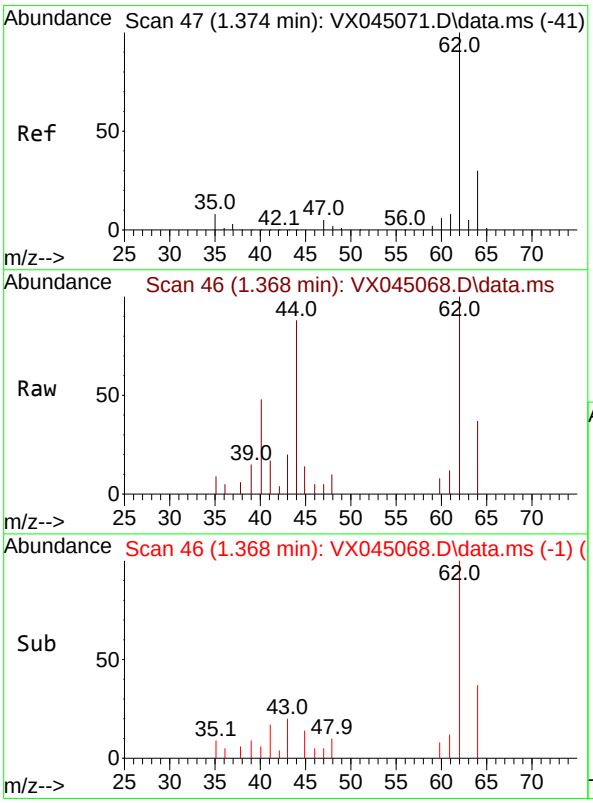
Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

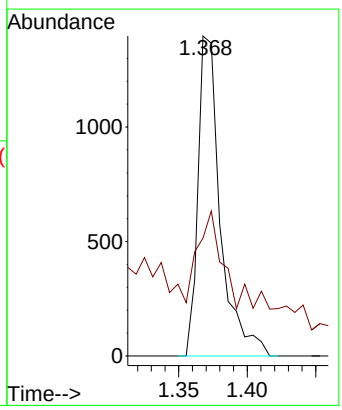
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

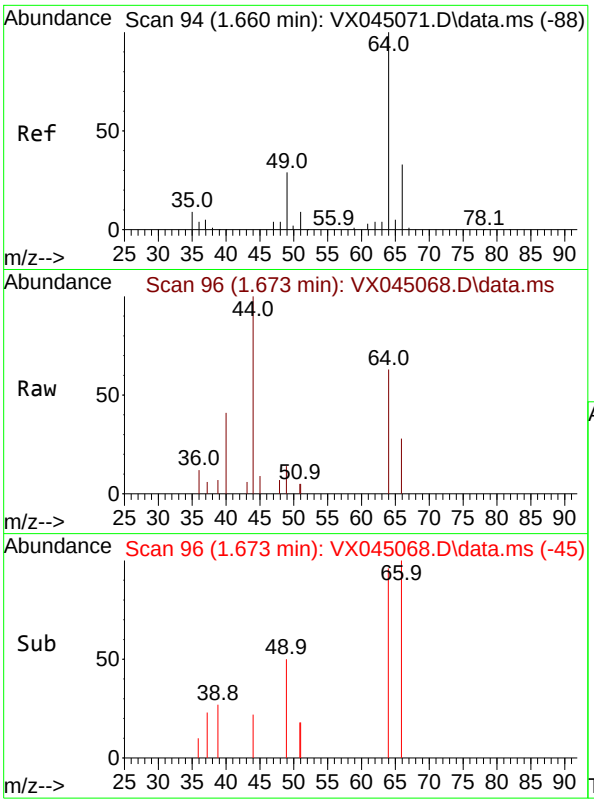


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

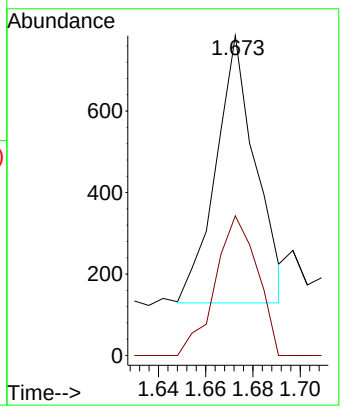




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76

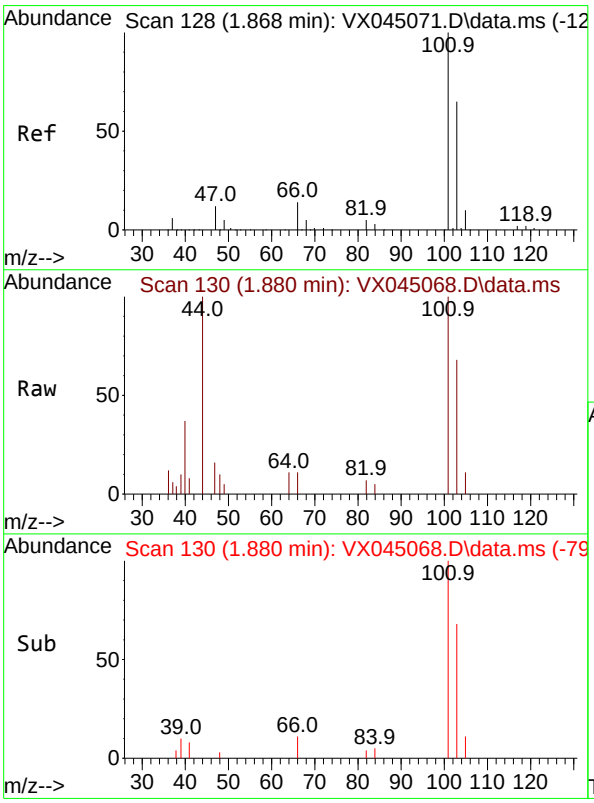
Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

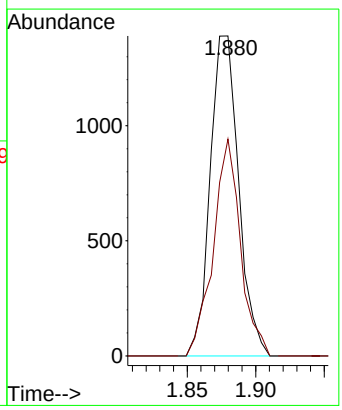
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

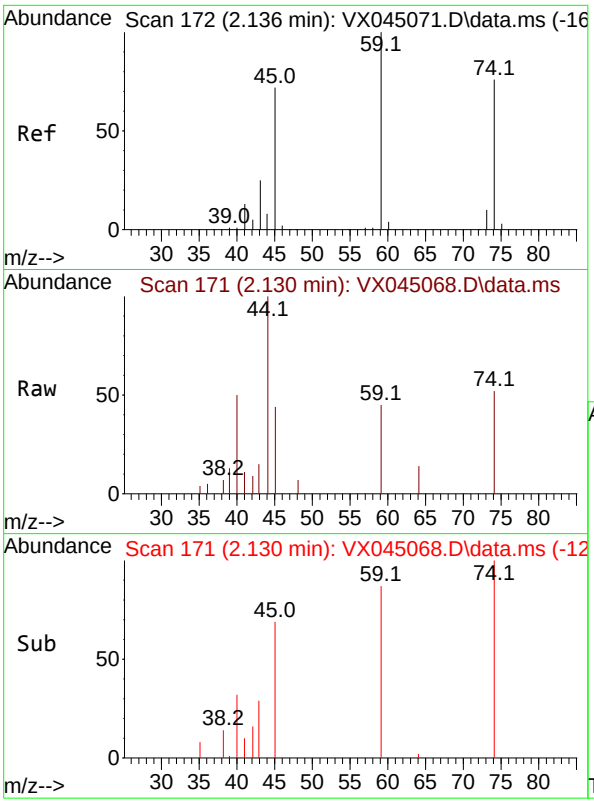


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1





#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

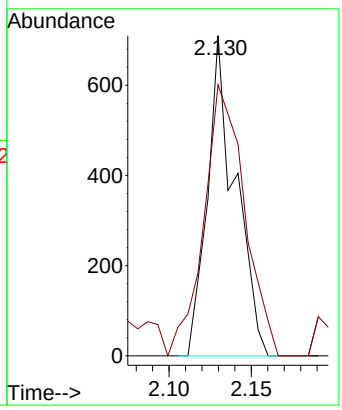
Tgt Ion: 74 Resp: 83

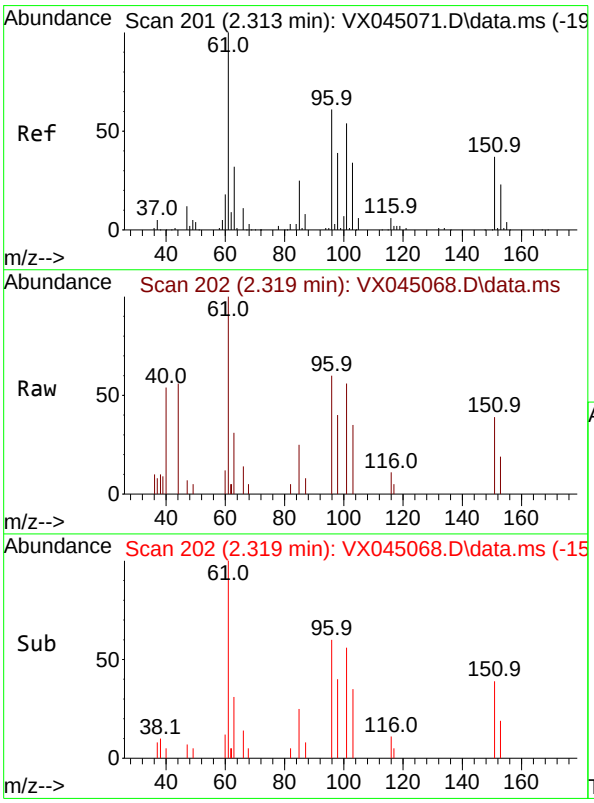
Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

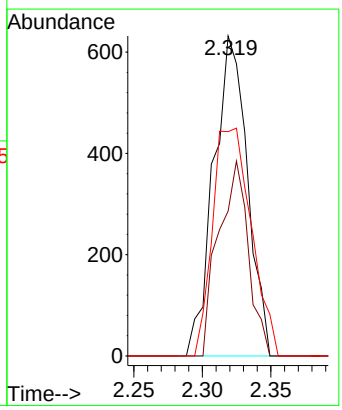


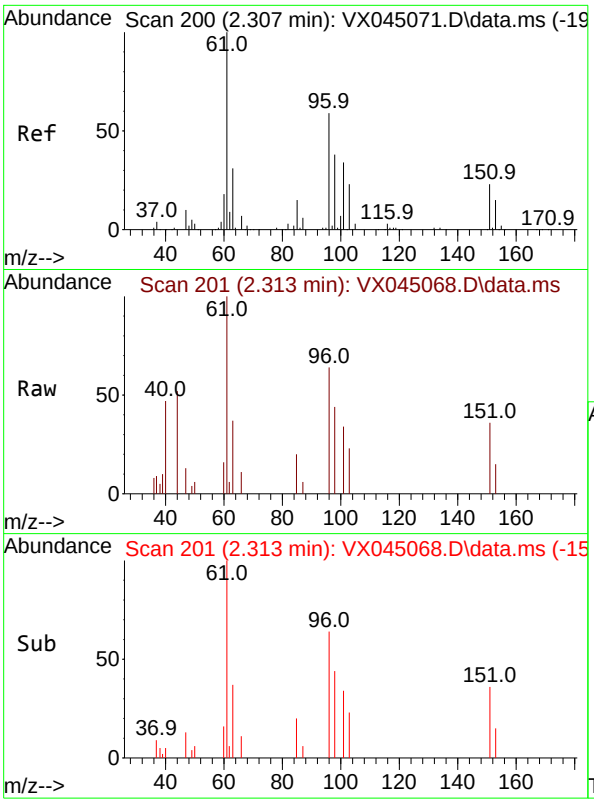


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

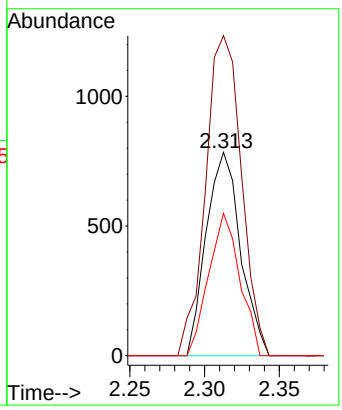




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

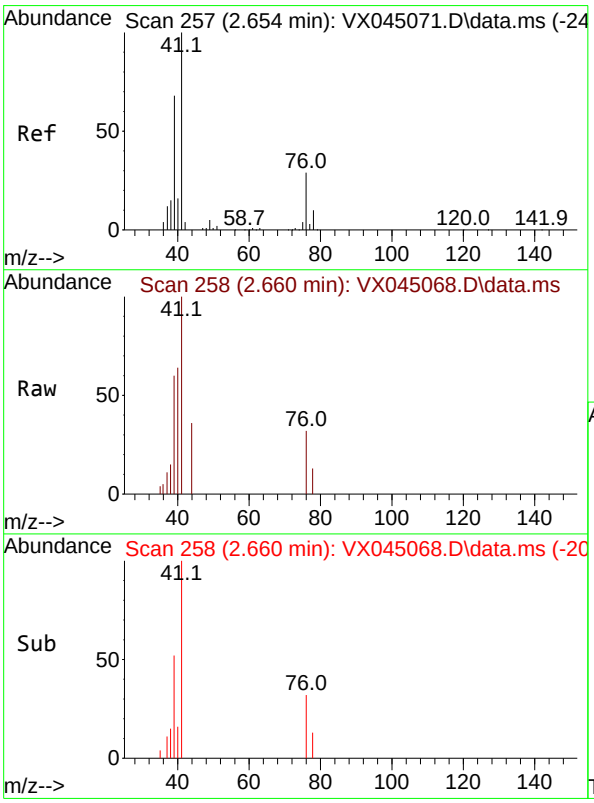
Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

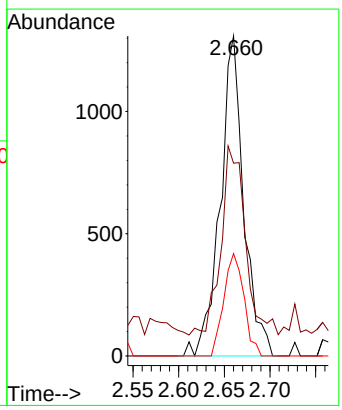
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

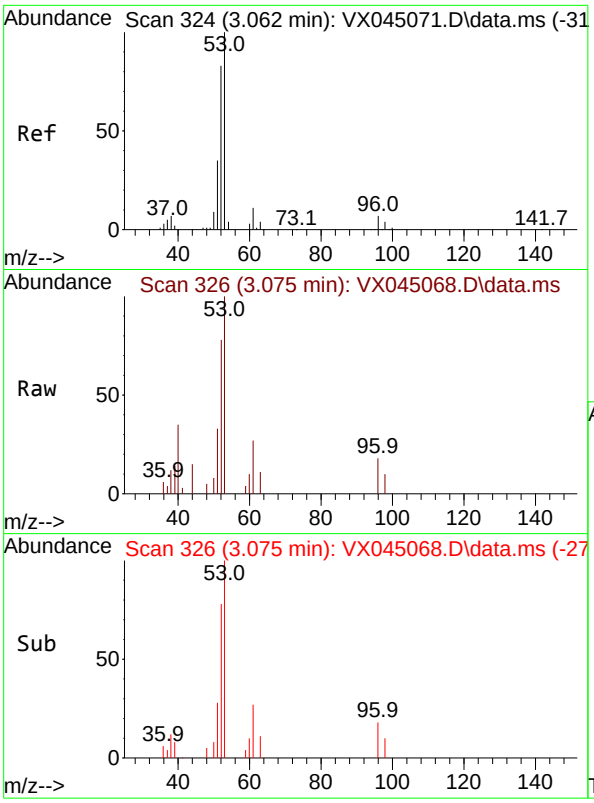


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8

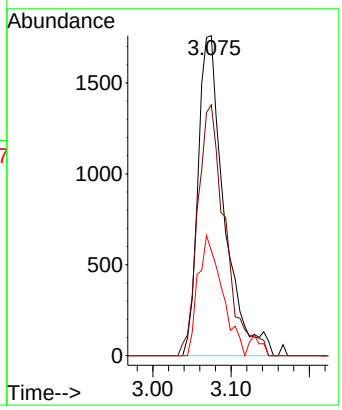




#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 53 Resp: 406

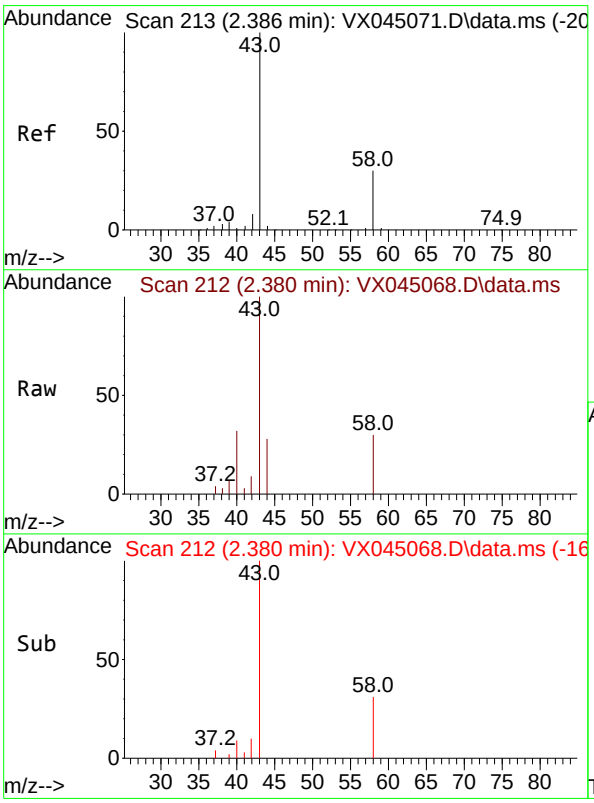
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

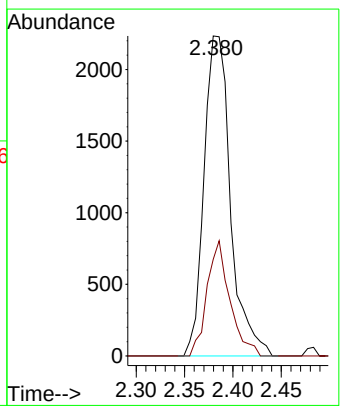
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

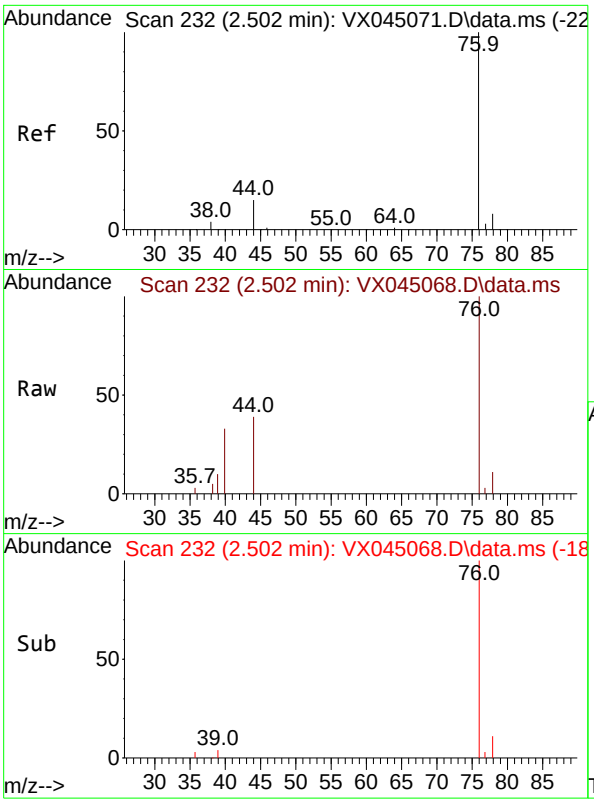


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4





#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

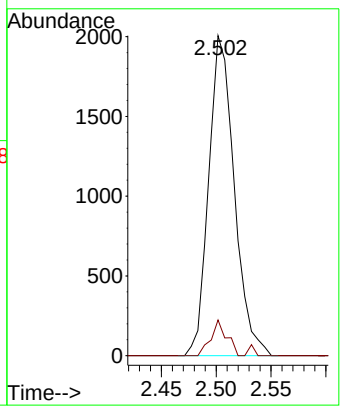
Tgt Ion: 76 Resp: 325

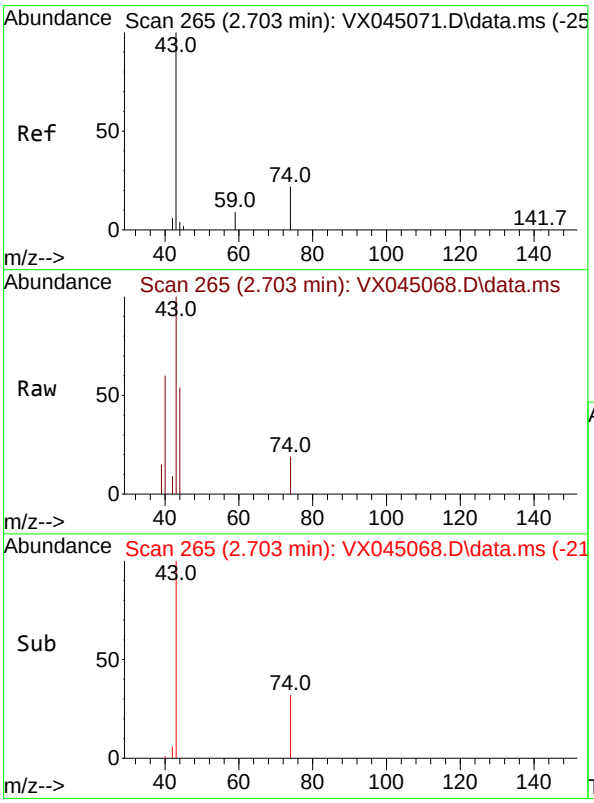
Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

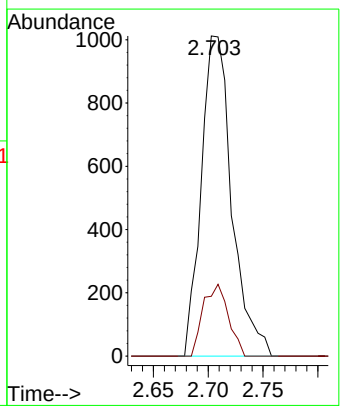


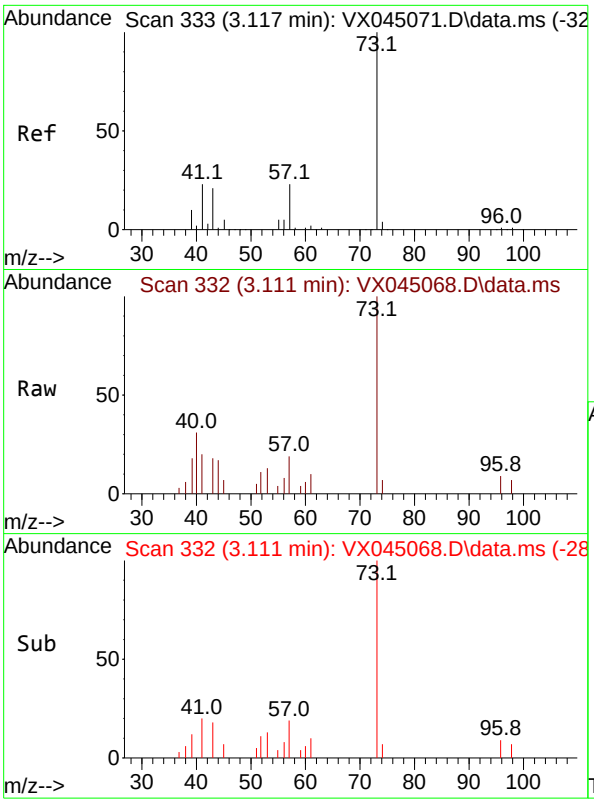


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

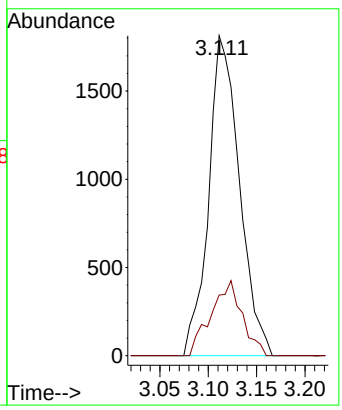




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

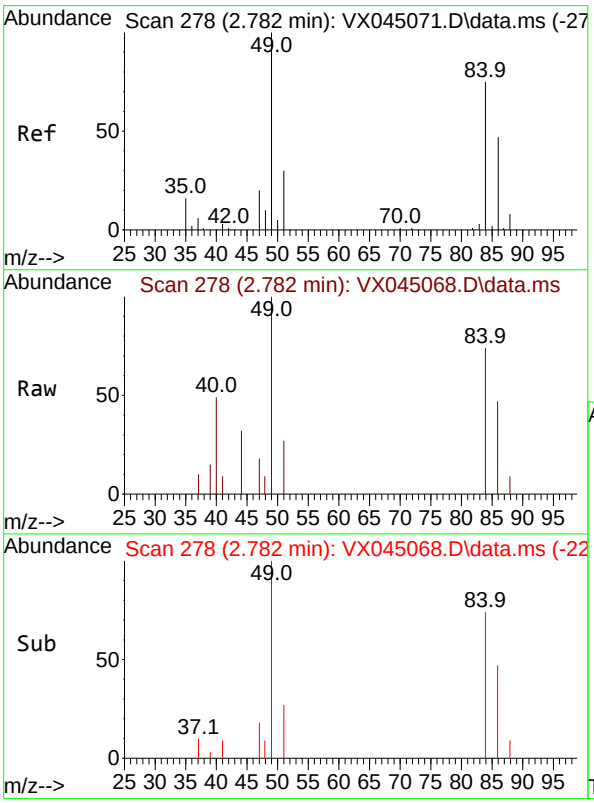
Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

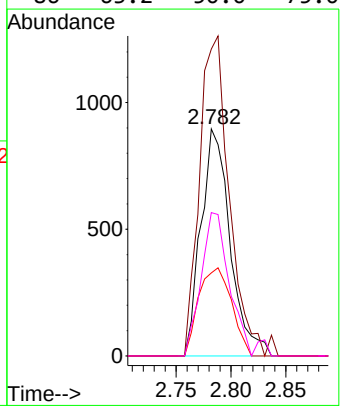
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

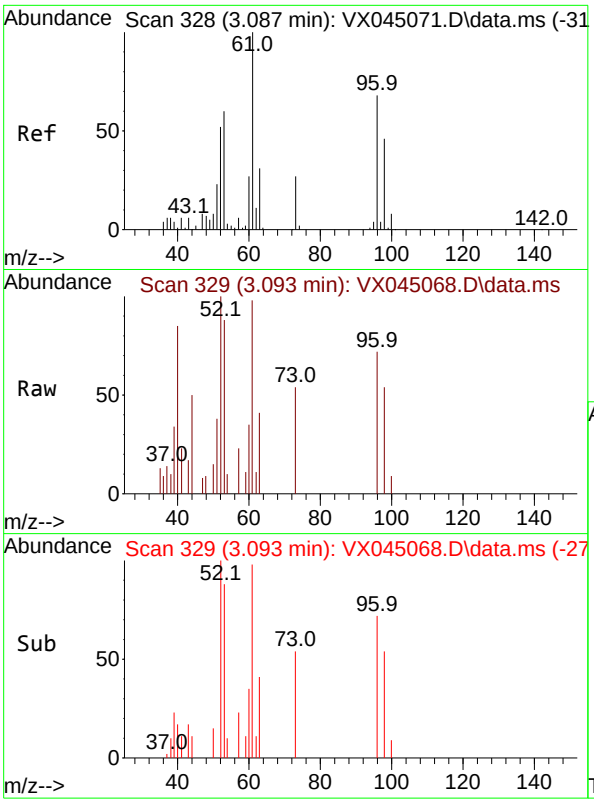


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0

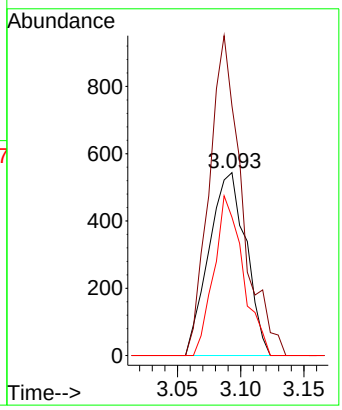




#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 110

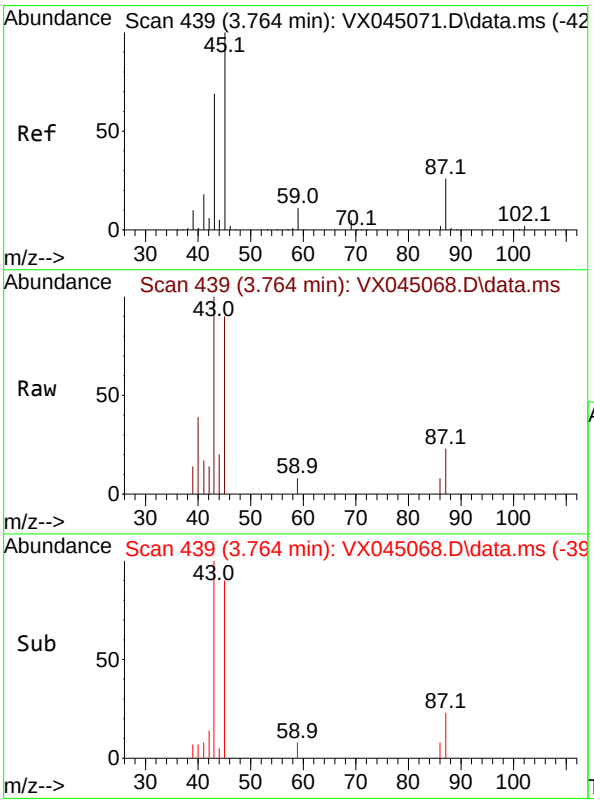
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

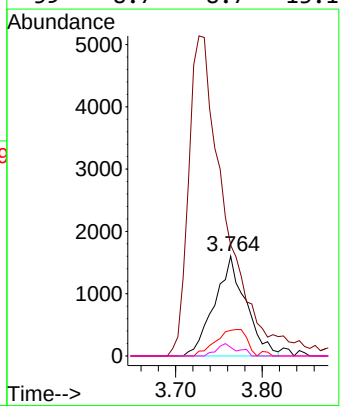
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

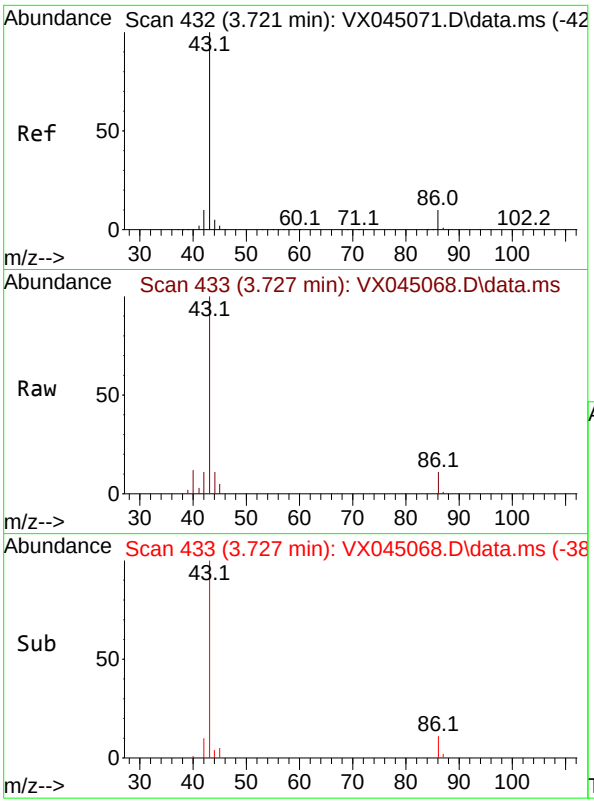


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1





#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

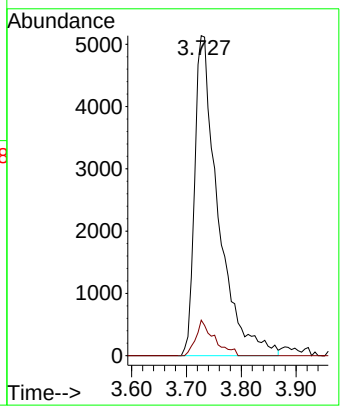
Tgt Ion: 43 Resp: 1527

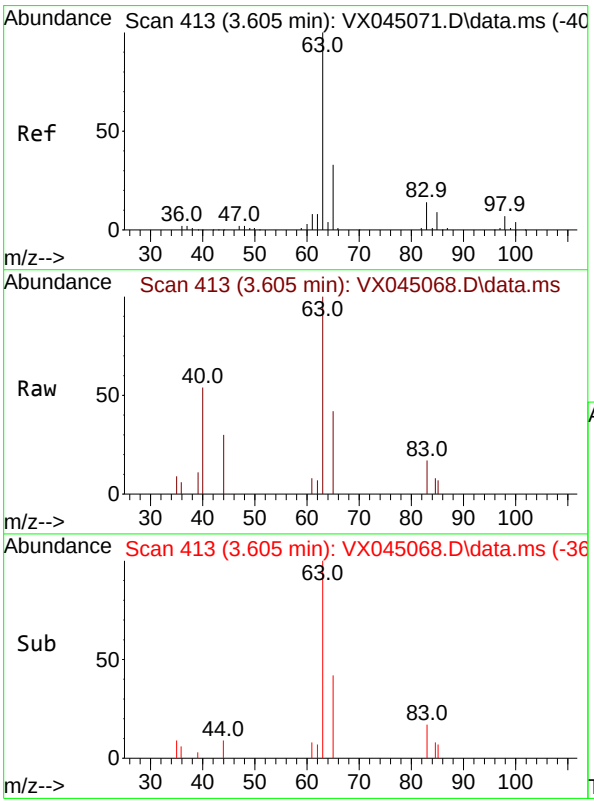
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

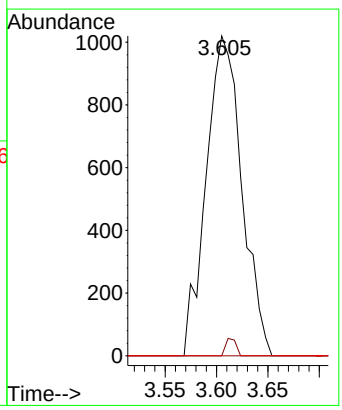


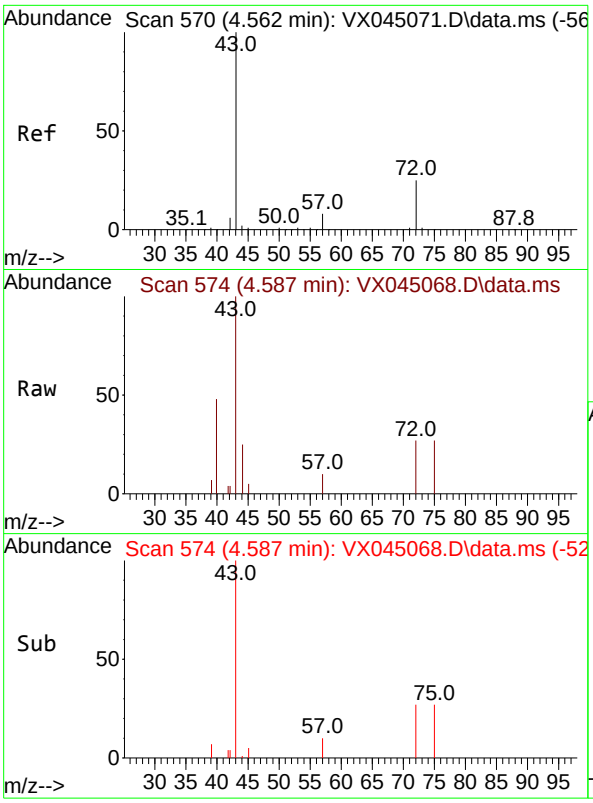


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

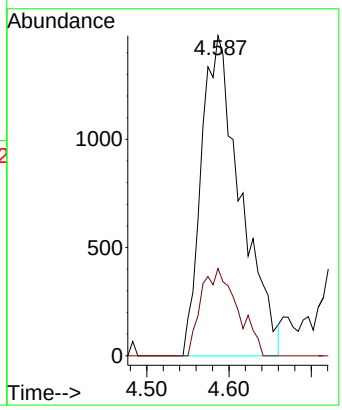
Tgt Ion: 43 Resp: 489

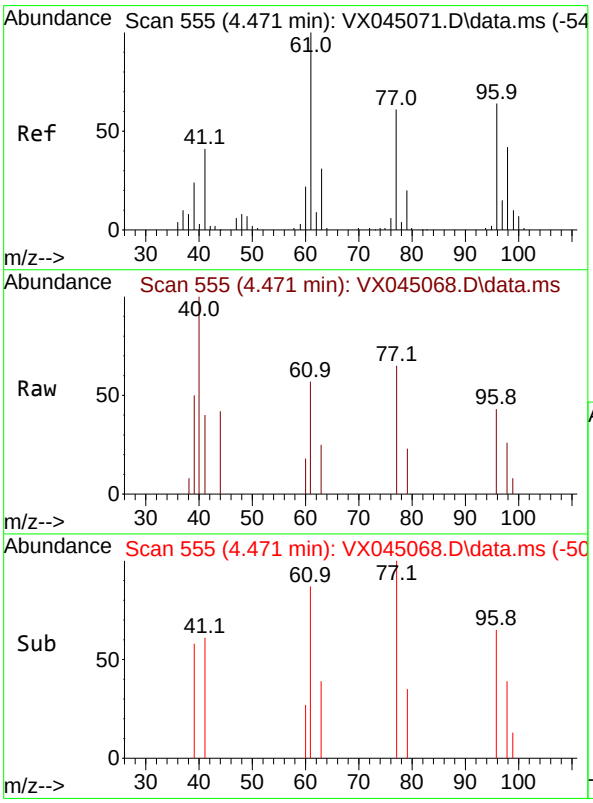
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

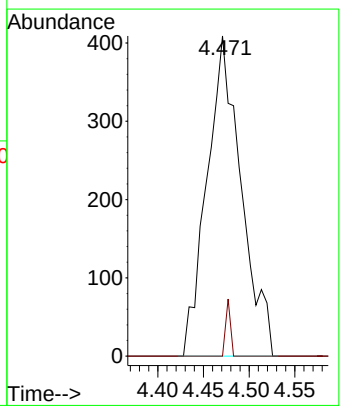


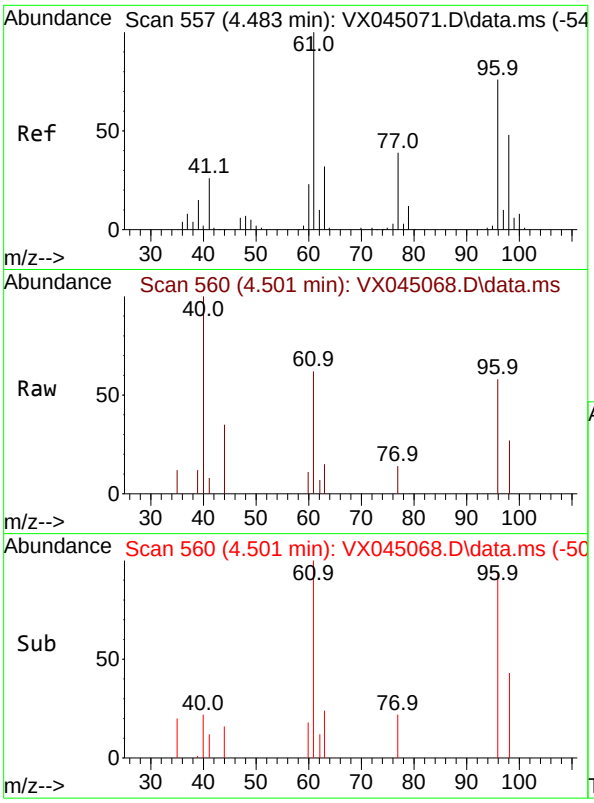


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#

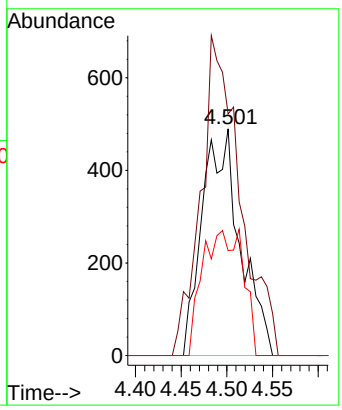




#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 141

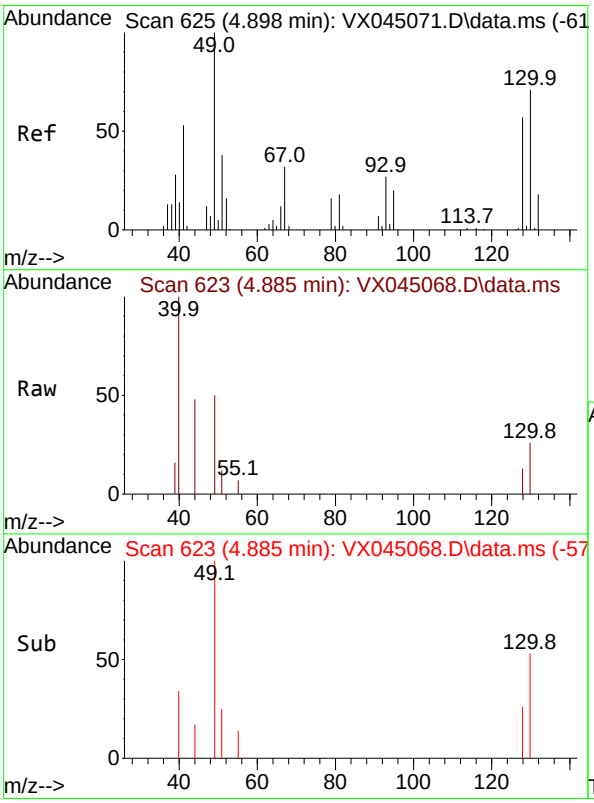
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

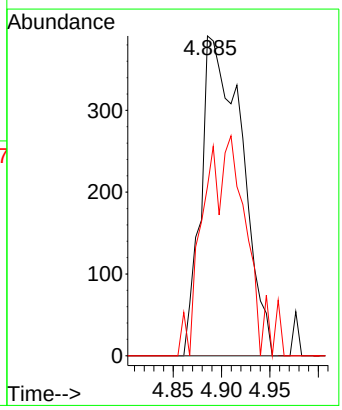
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

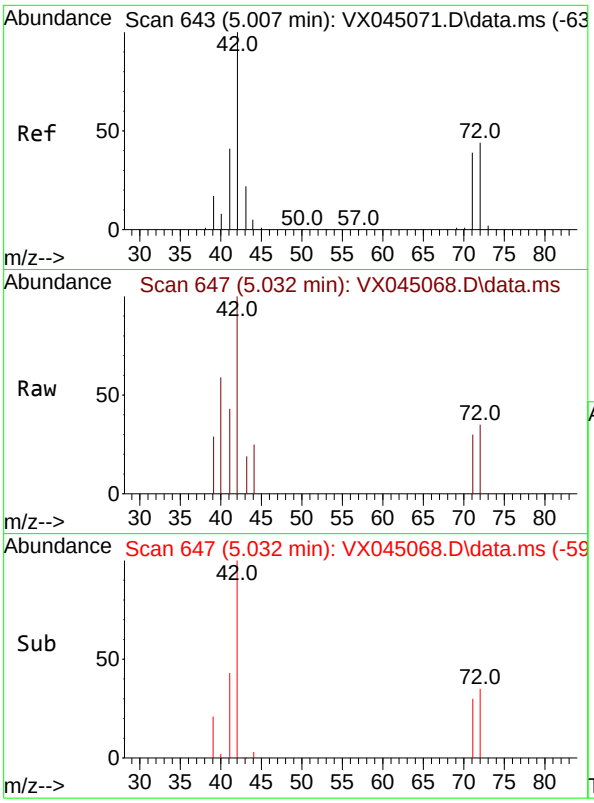


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#

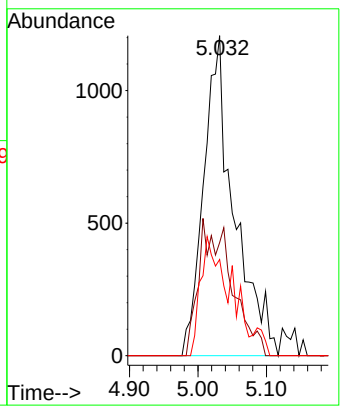




#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 42 Resp: 3719

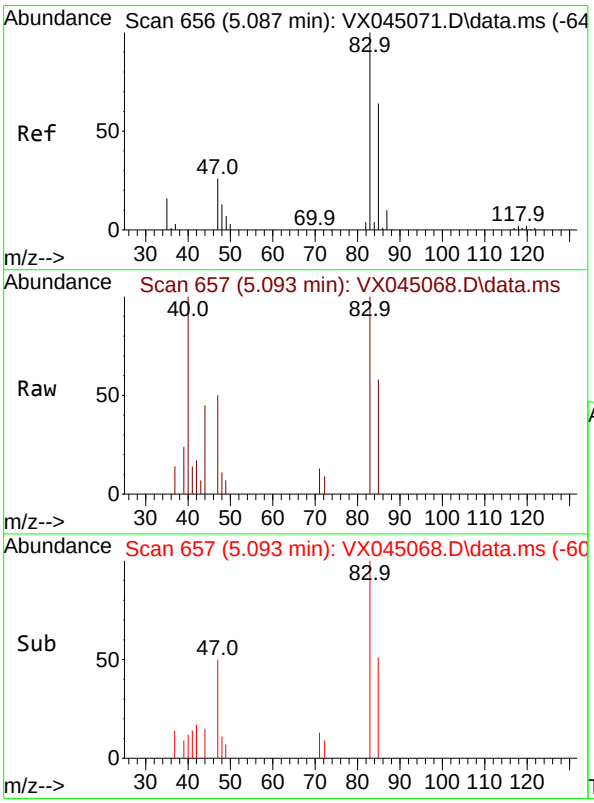
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

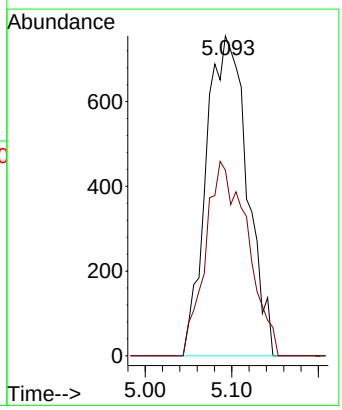
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

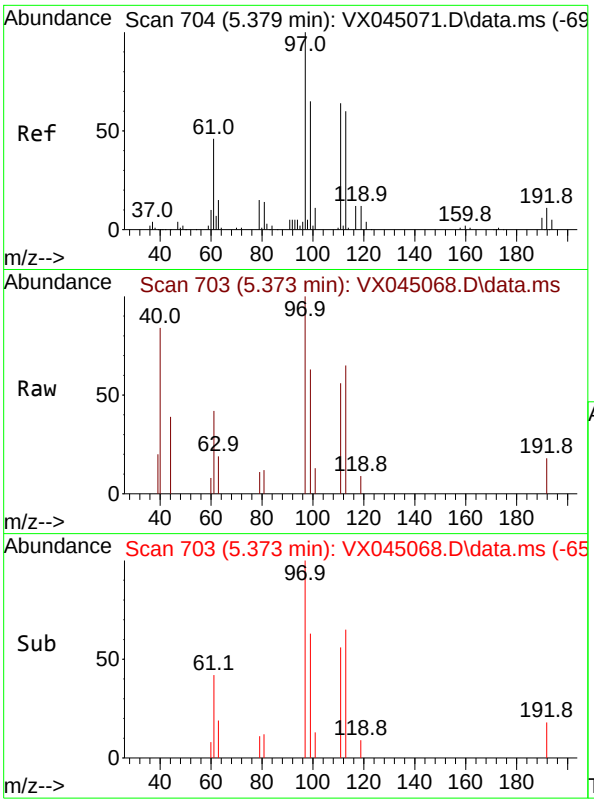


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2





#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

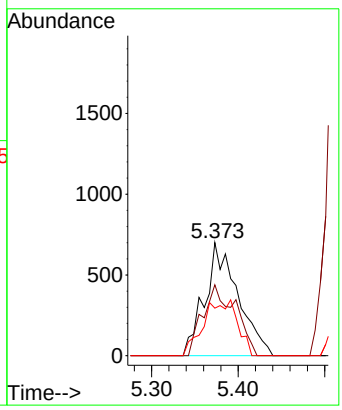
Tgt Ion: 97 Resp: 186

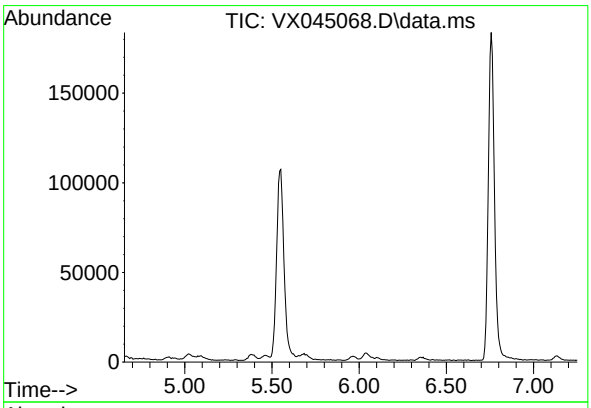
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



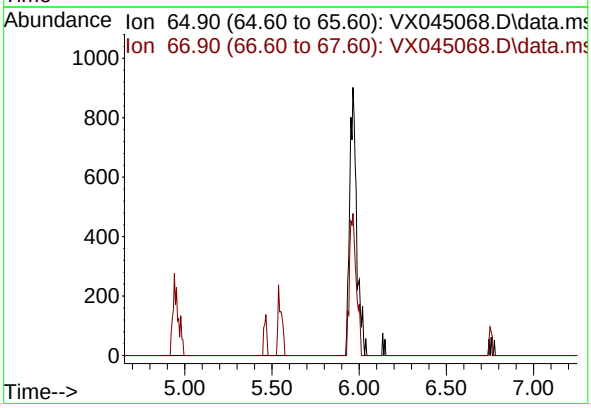


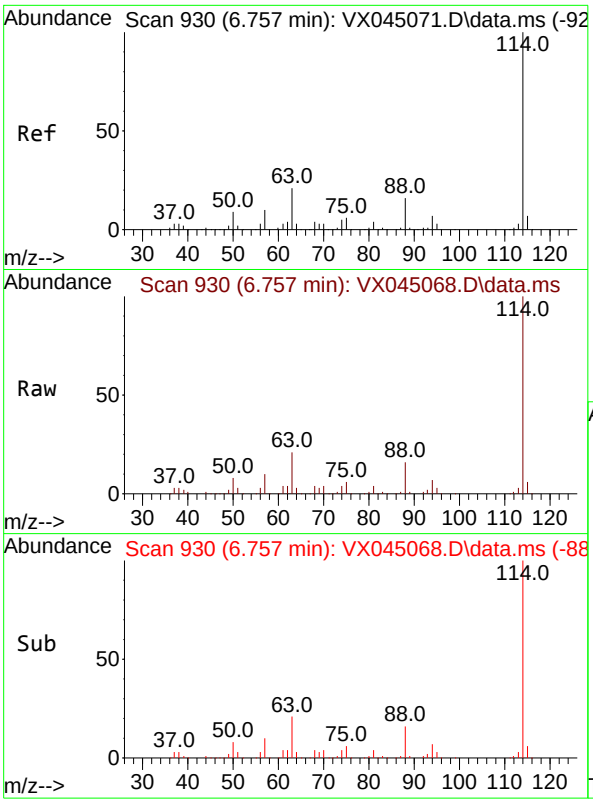
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	53.1

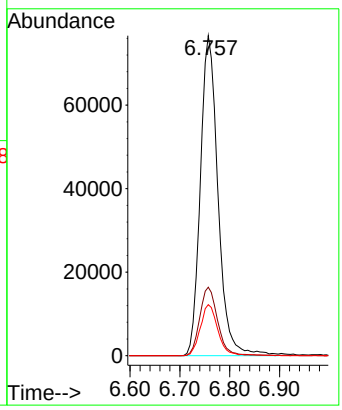




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 18864

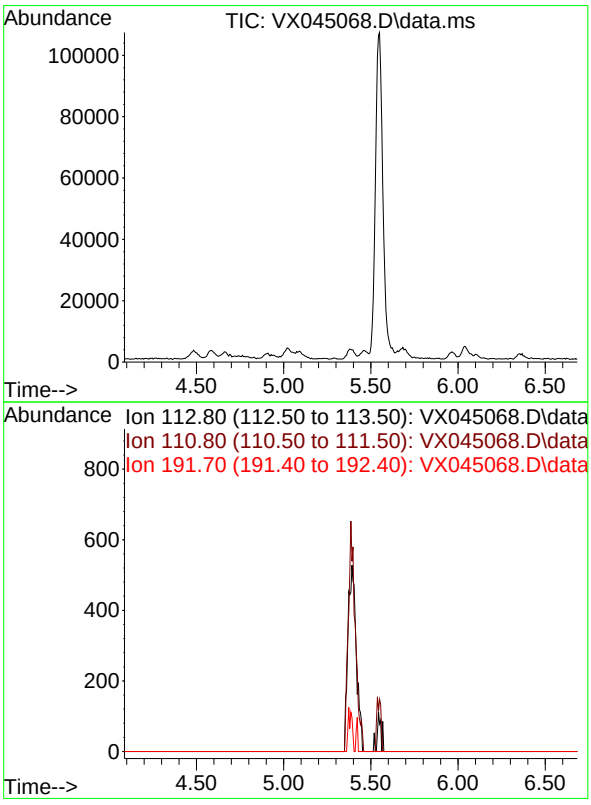
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

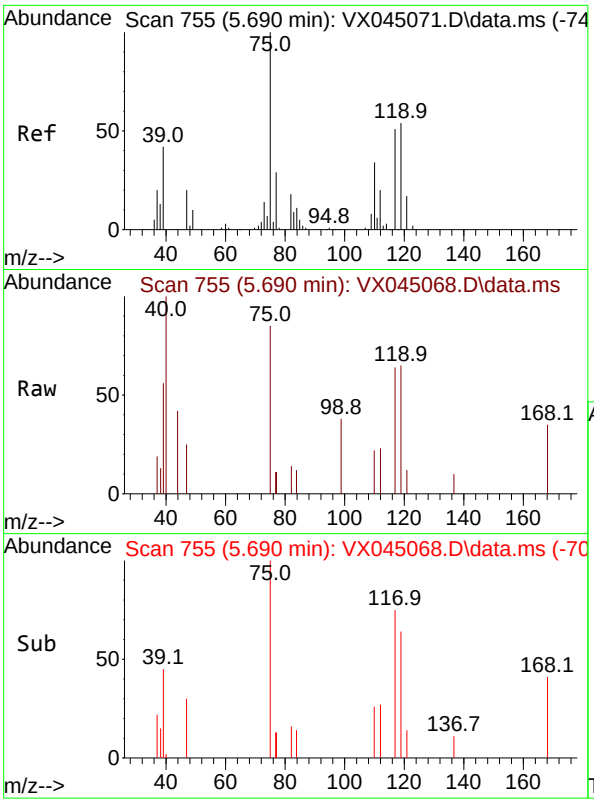


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 113

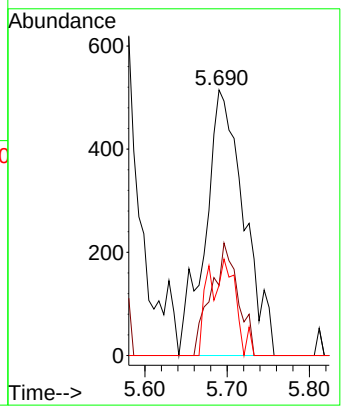
Sig	Exp Ratio
113	100
111	102.2
192	17.9



#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 168

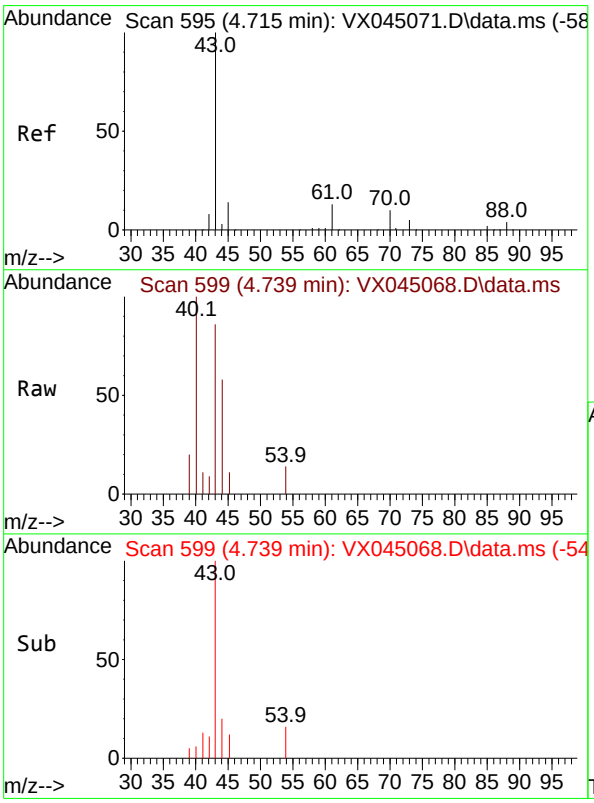
Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

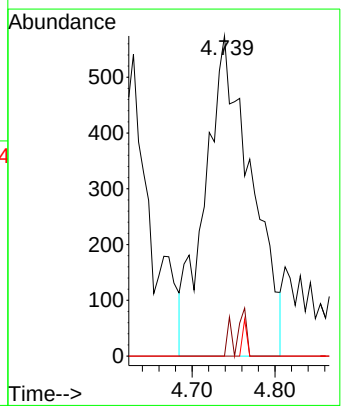
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

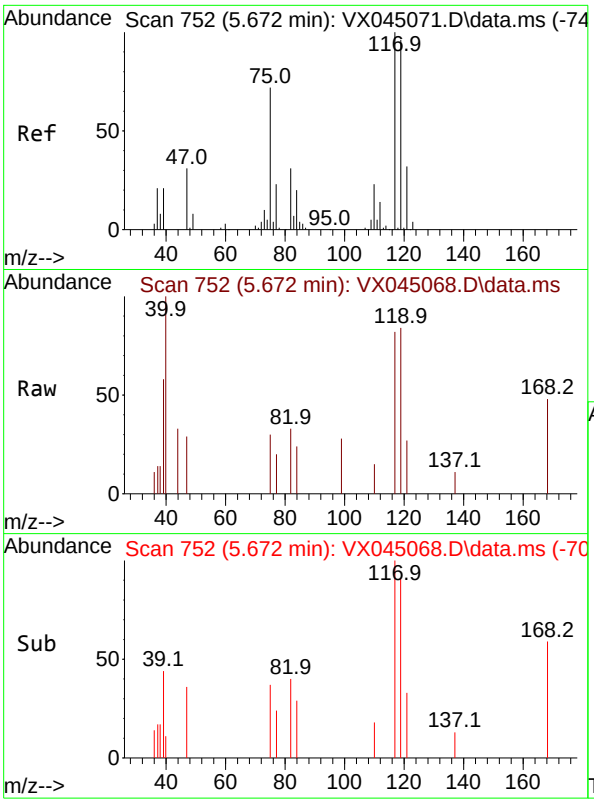


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2223

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

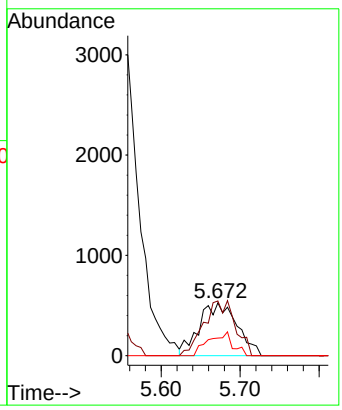




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

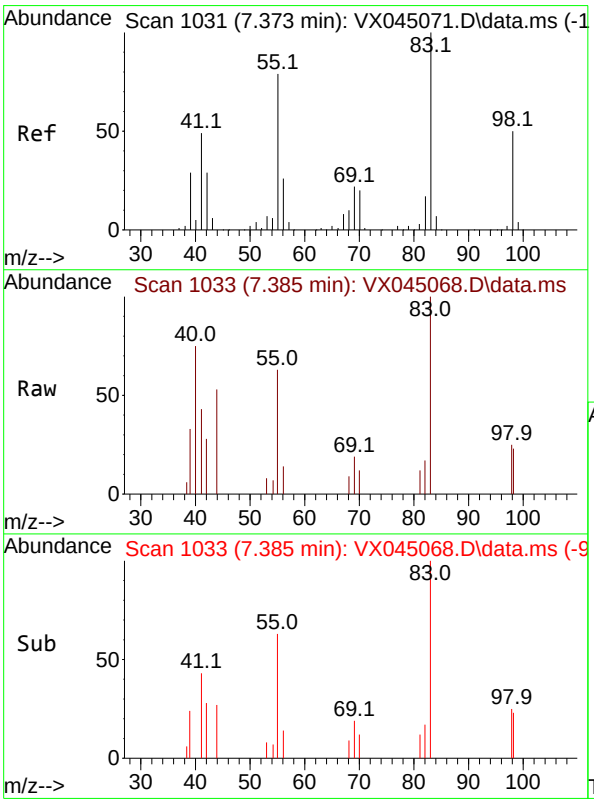
Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.7	115.1
121	33.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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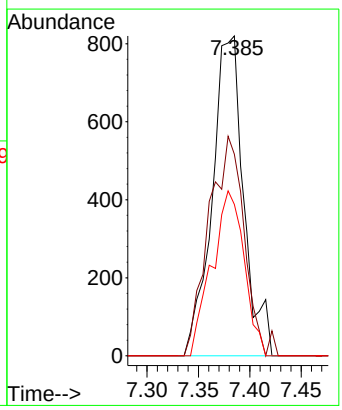
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

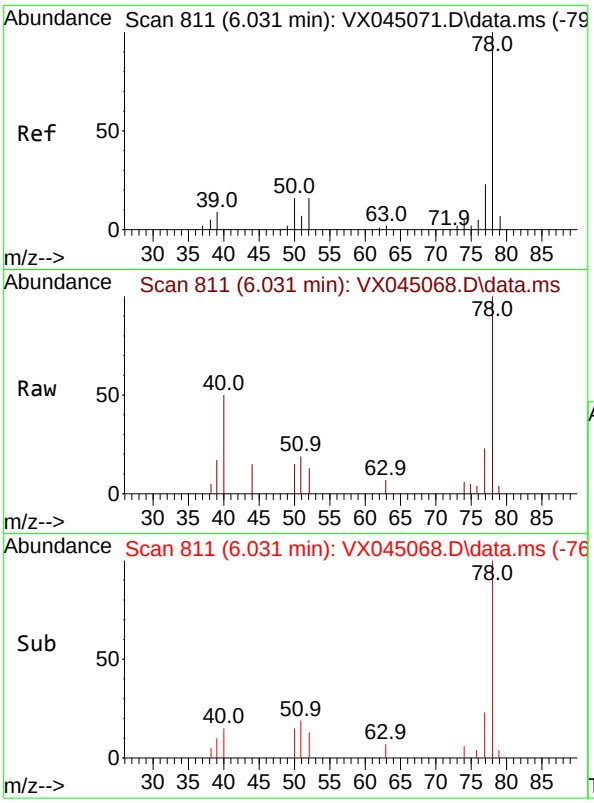


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

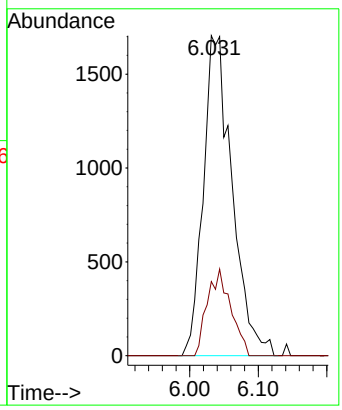




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

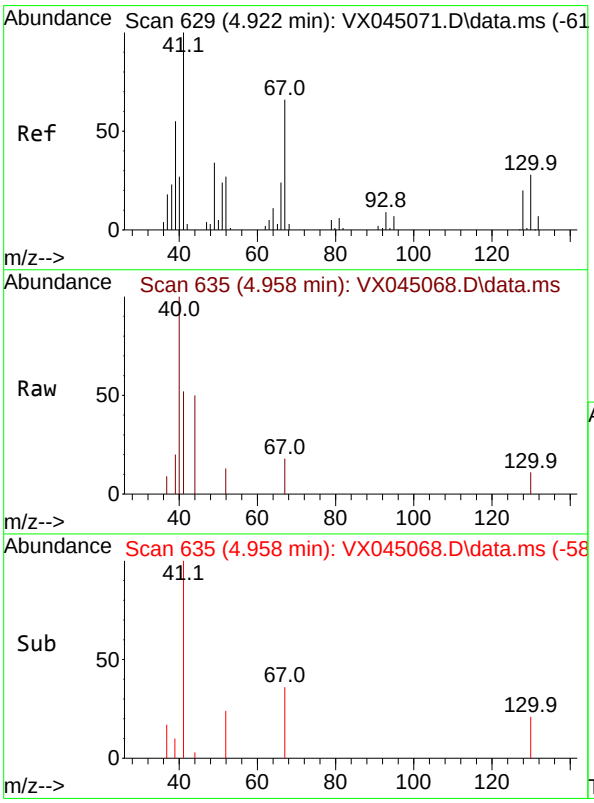
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

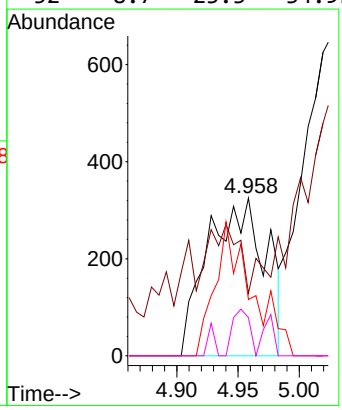
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

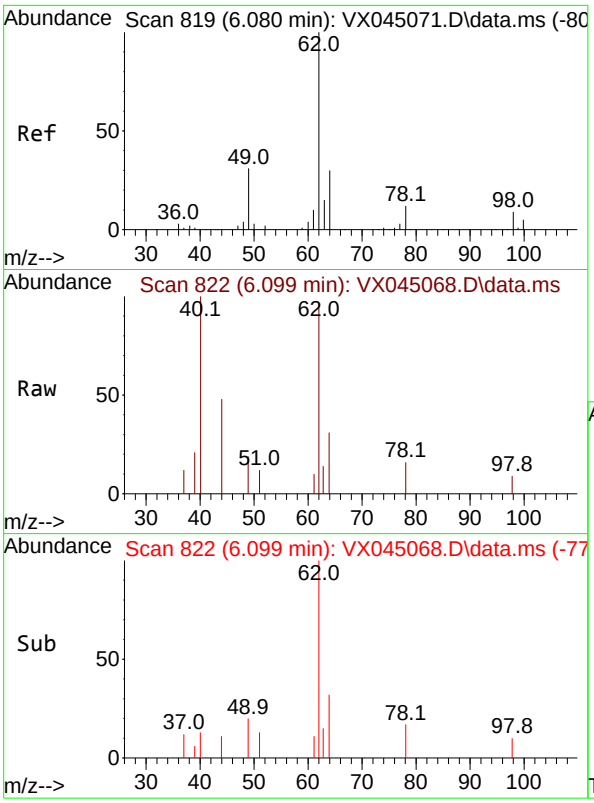


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1072

Ion	Ratio	Lower	Upper
41	100		
39	29.2	44.6	67.0#
67	53.9	53.9	80.9#
52	8.7	23.3	34.9#

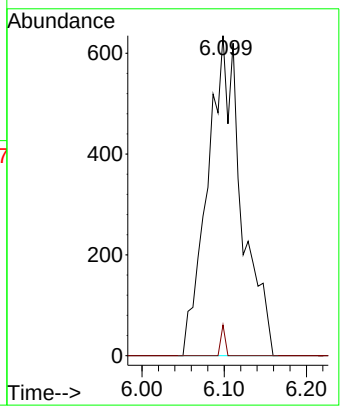




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

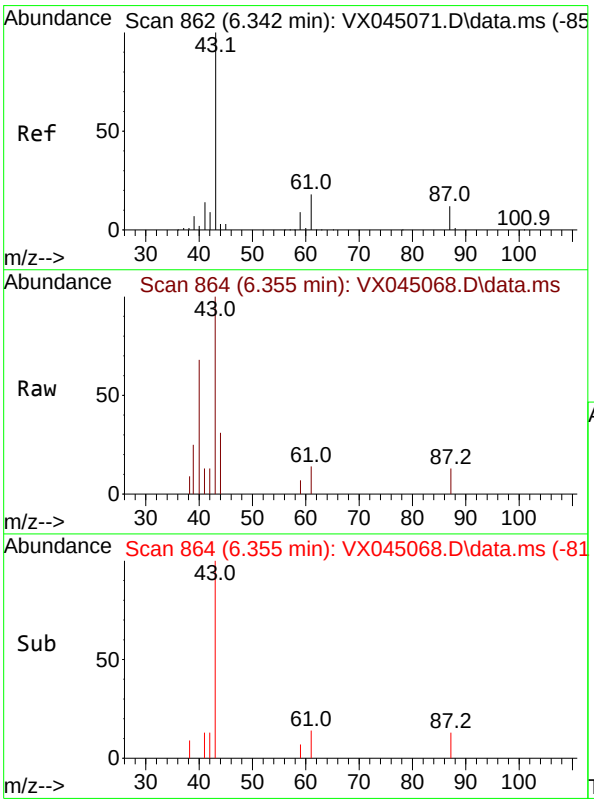
Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

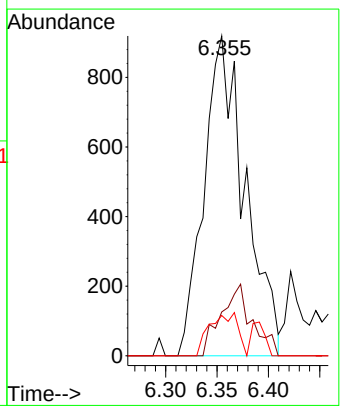
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

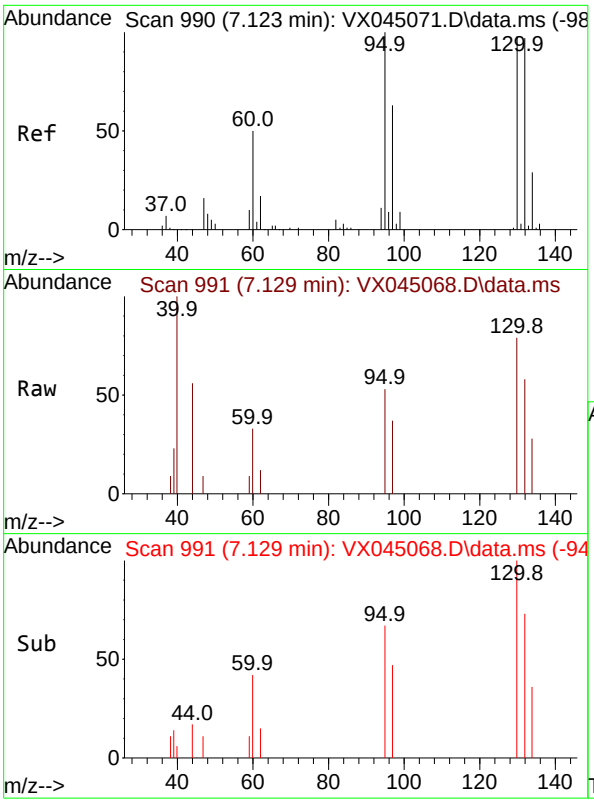


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

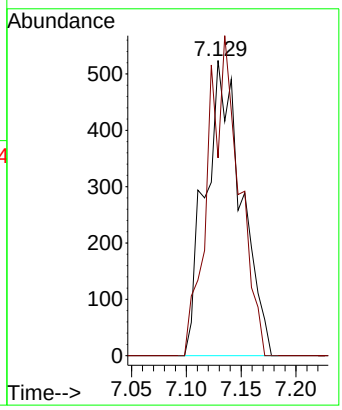




#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 120

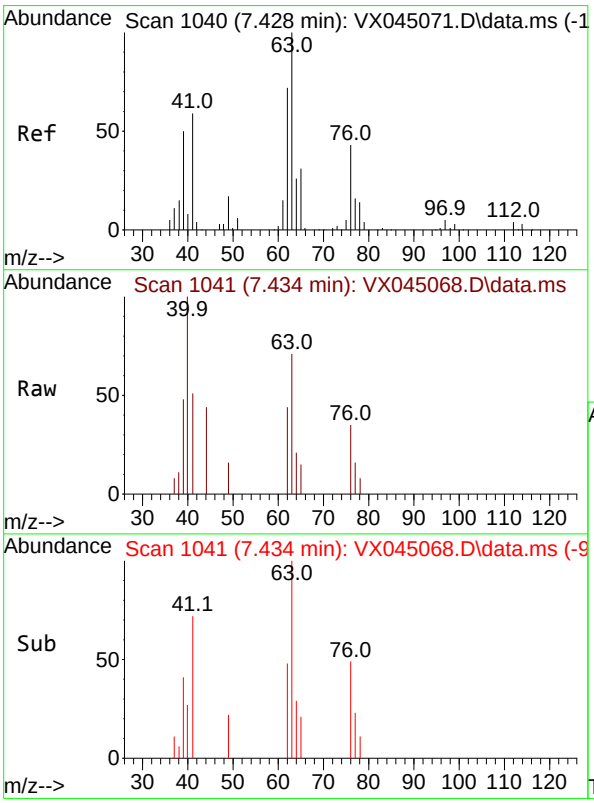
Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

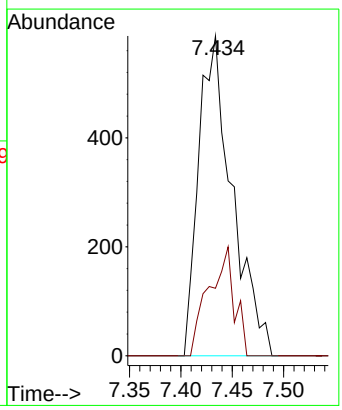
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

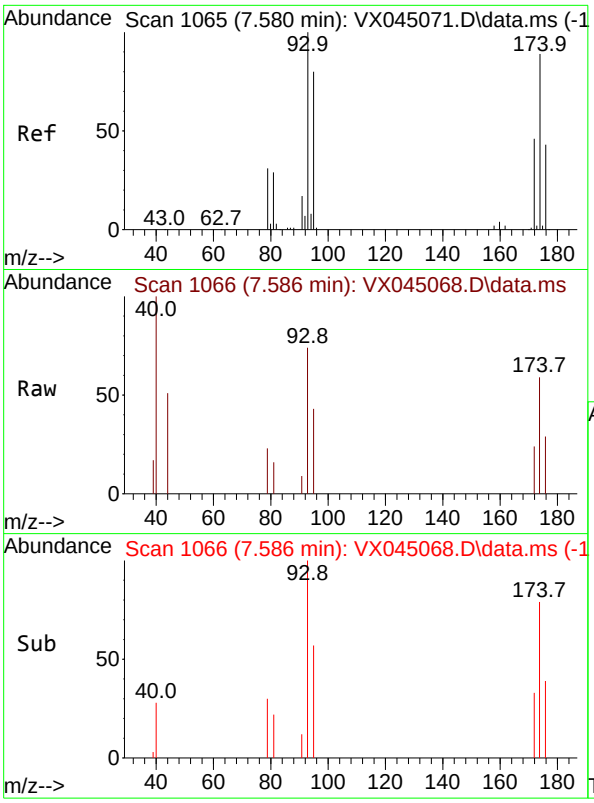


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

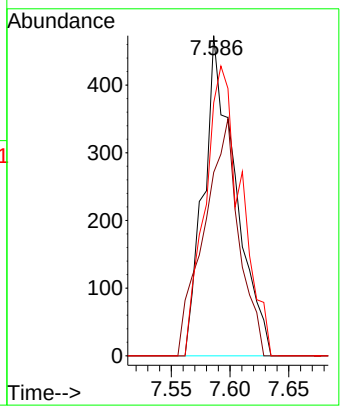




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

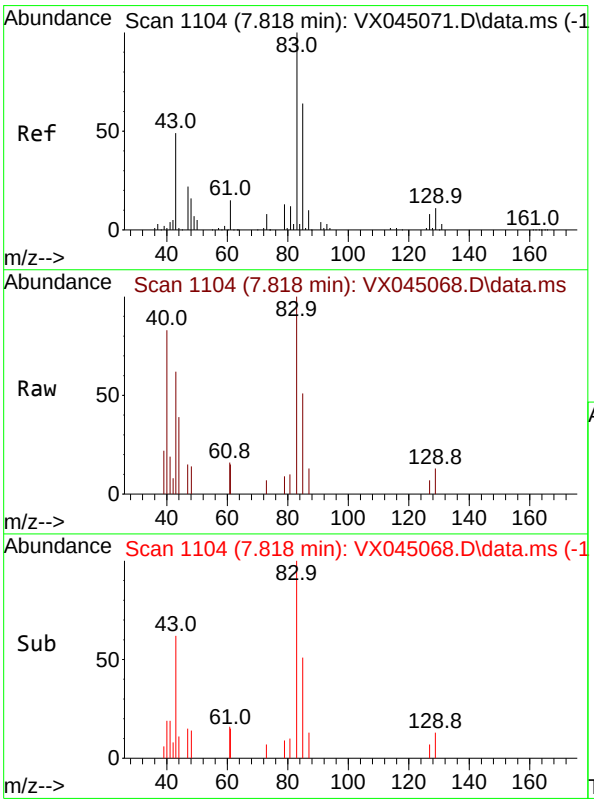
Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

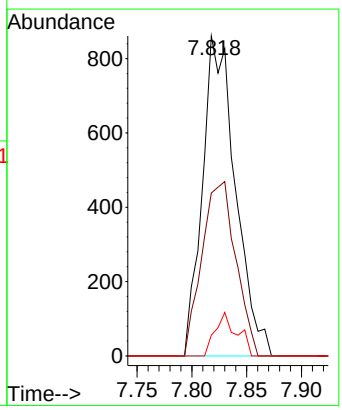
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

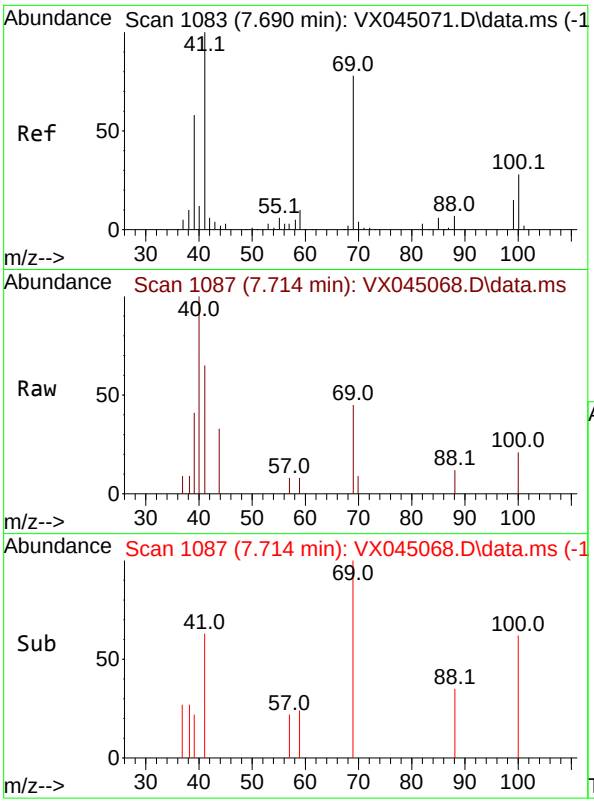


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

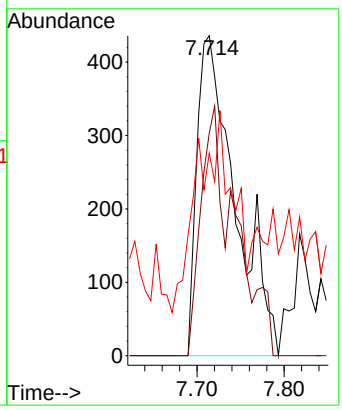




#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 132

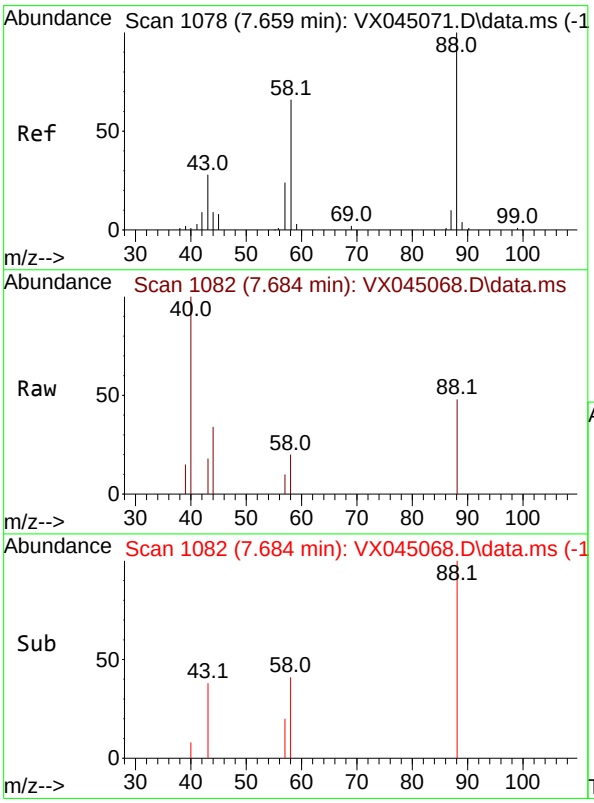
Ion	Ratio	Lower	Upper
41	100		
69	41.4	63.0	94.6#
39	20.7	47.5	71.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

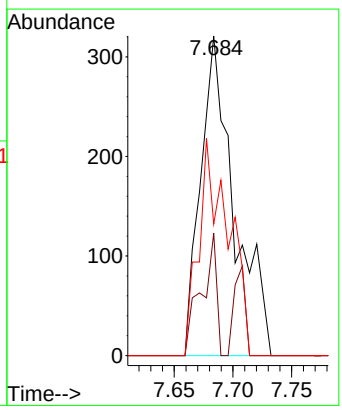
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

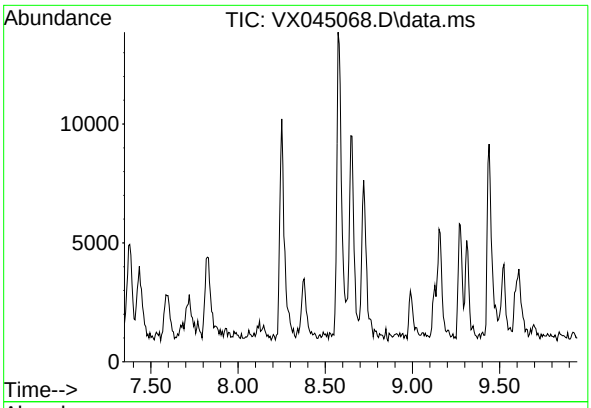


#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

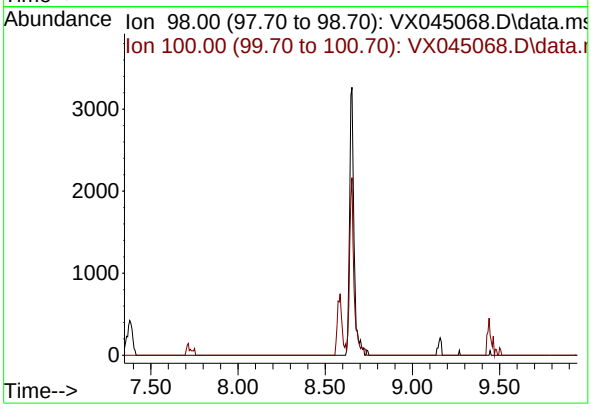
Tgt Ion: 98

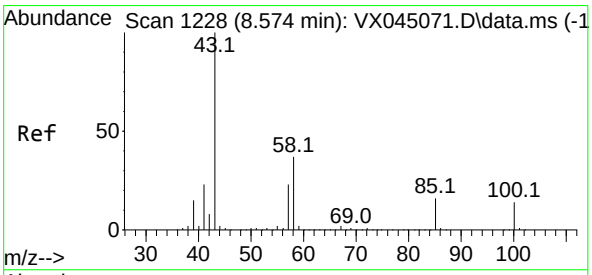
Sig	Exp Ratio
98	100
100	65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

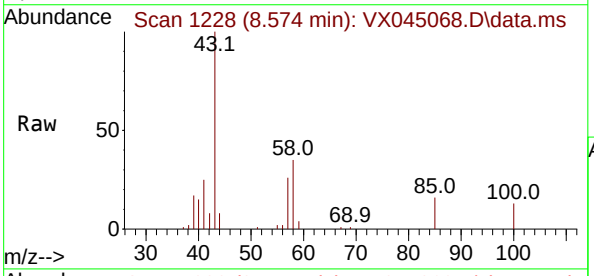


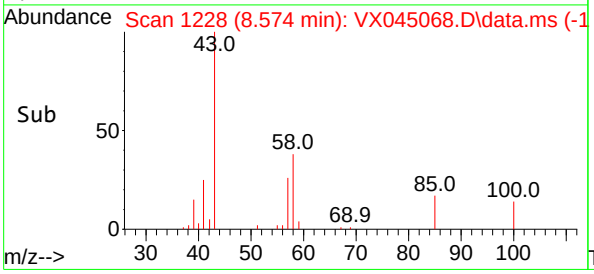


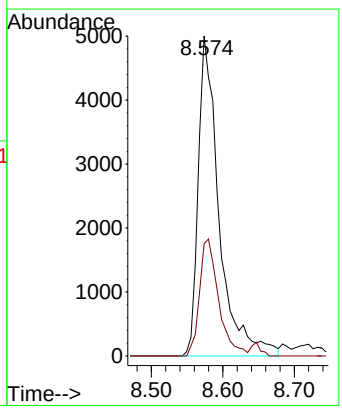
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

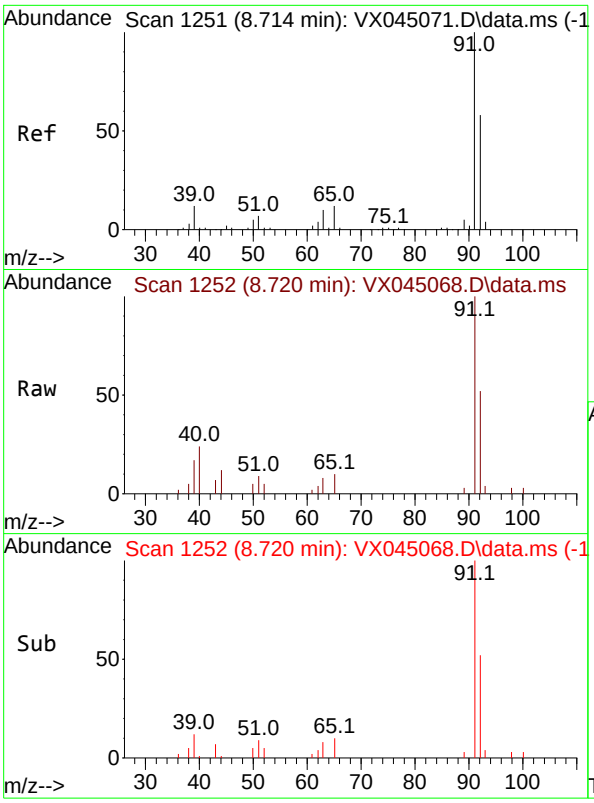
Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8





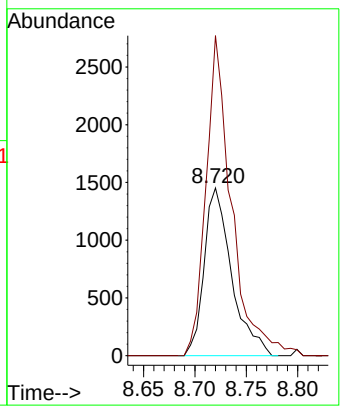




#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 270

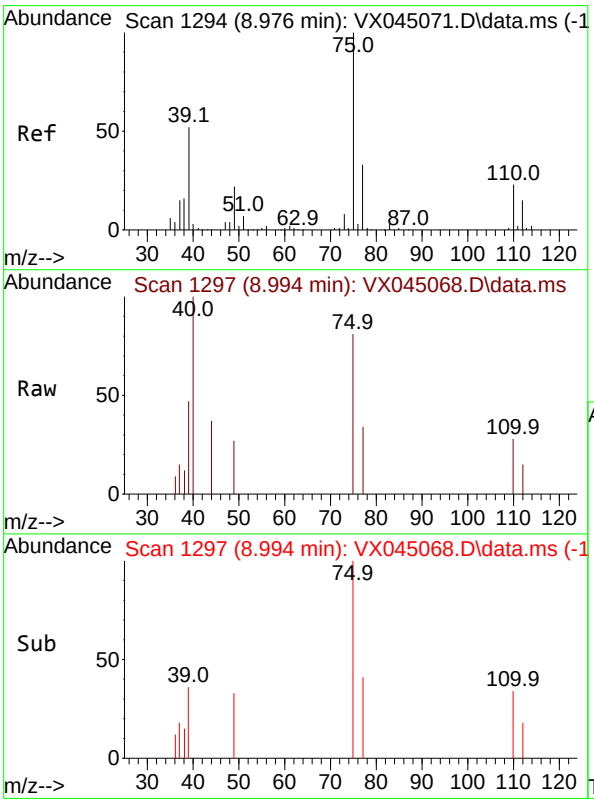
Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

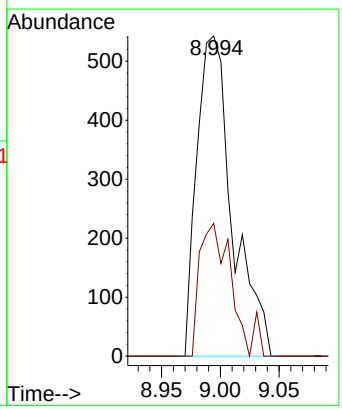
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

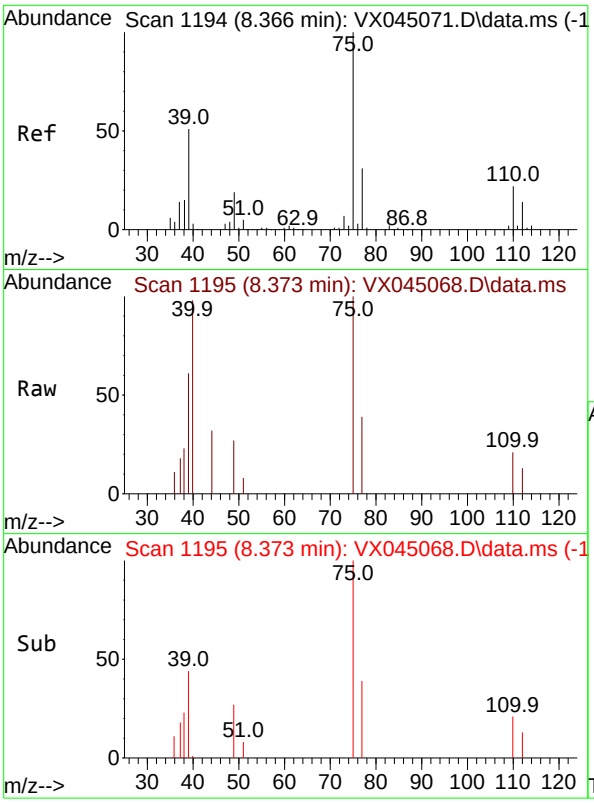


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

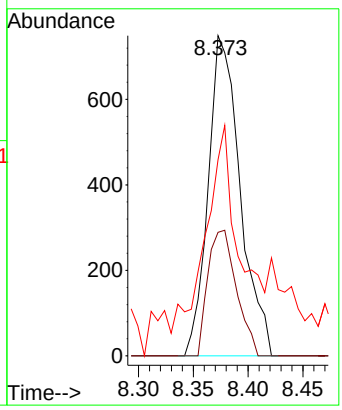




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

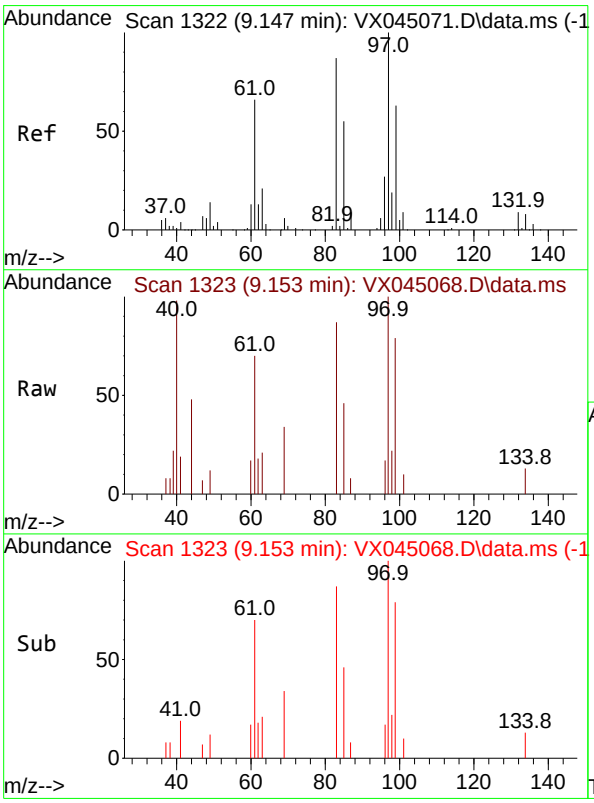
Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

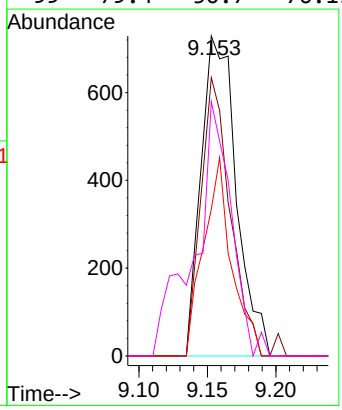
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

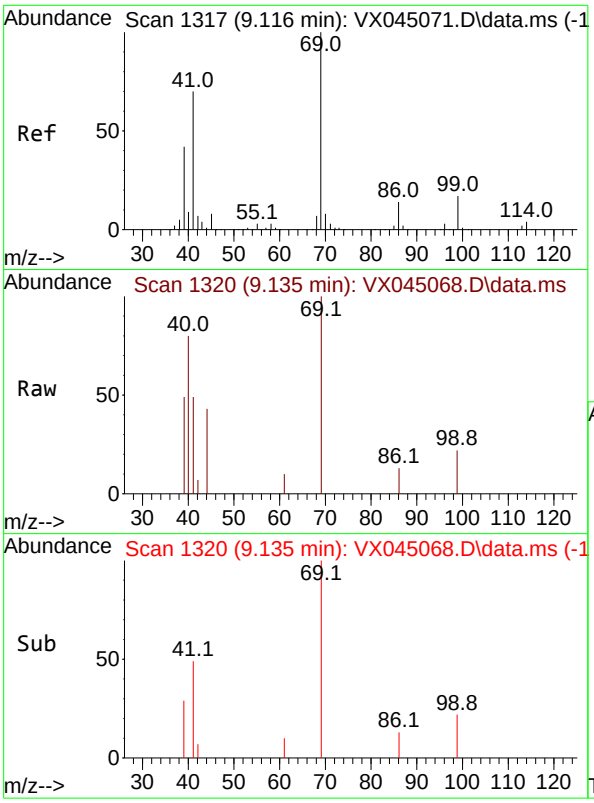


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

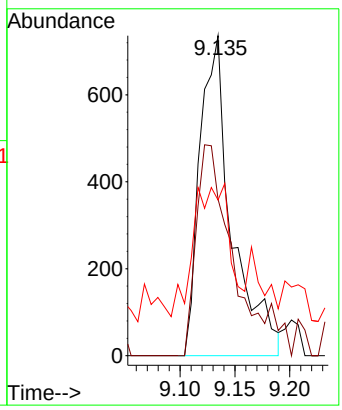




#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 149

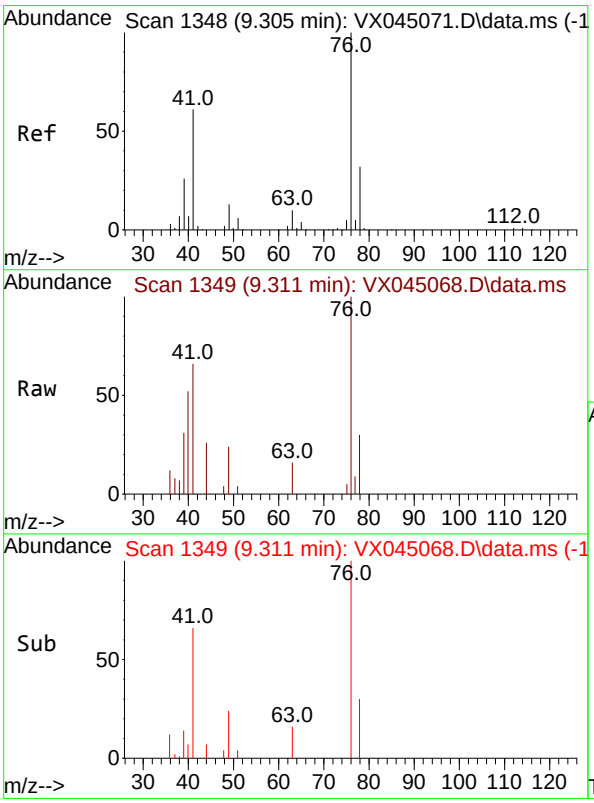
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

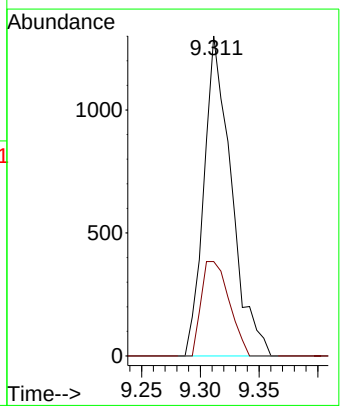
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

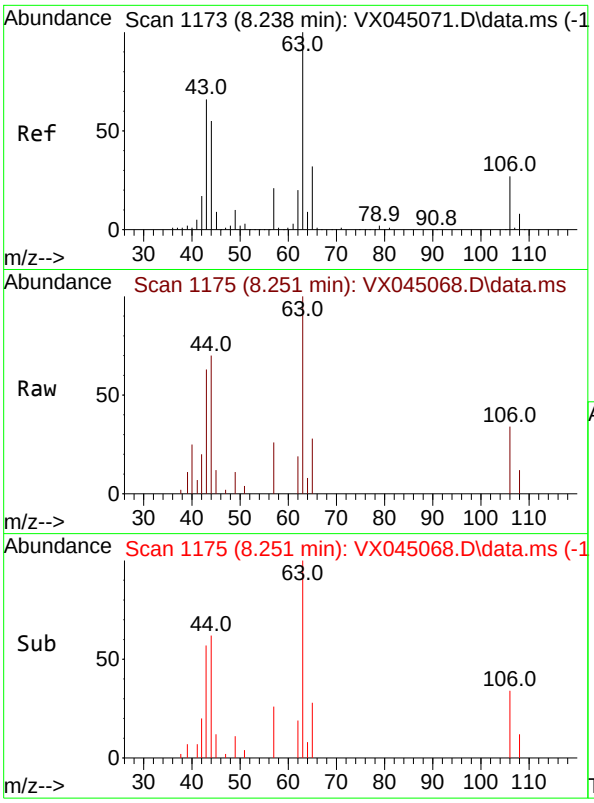


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

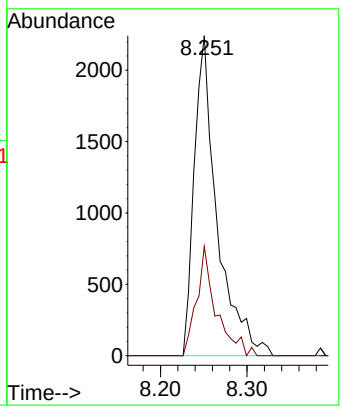




#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 411

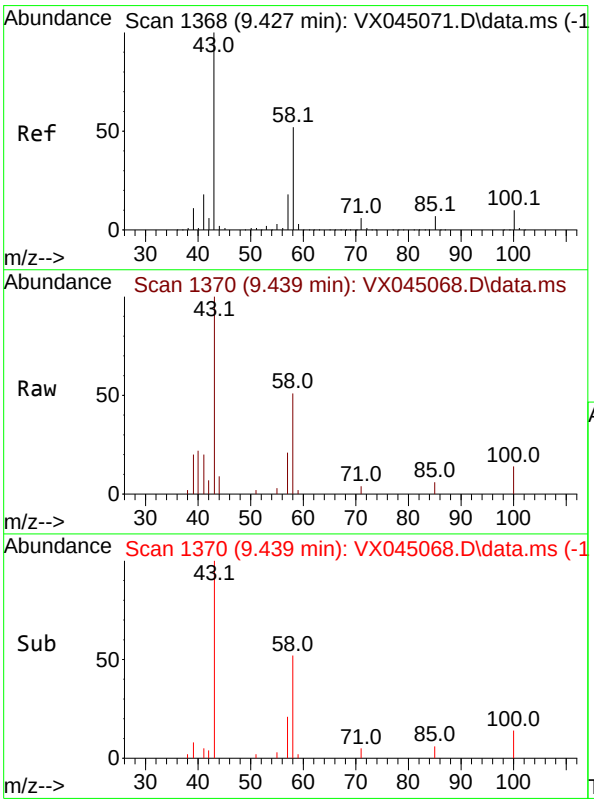
Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

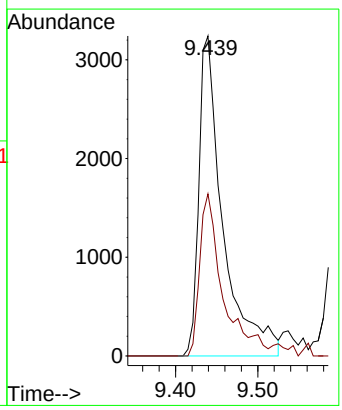
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

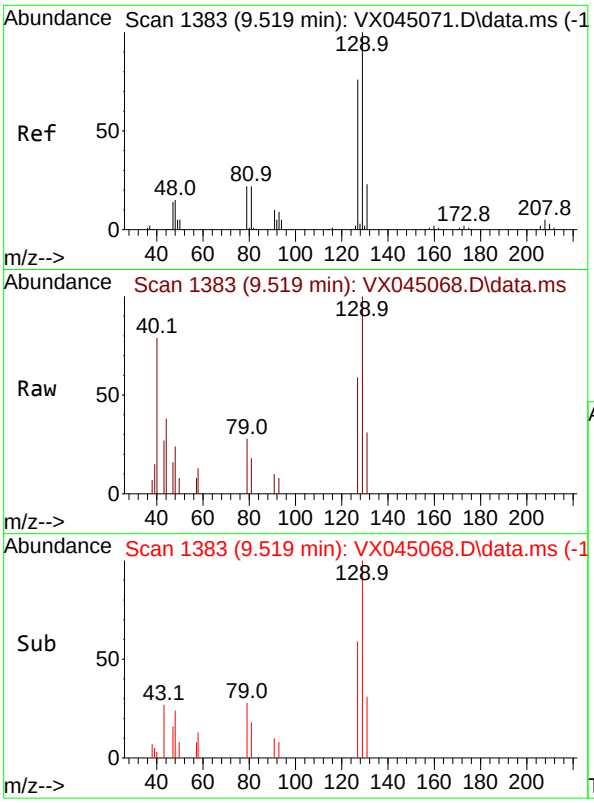


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

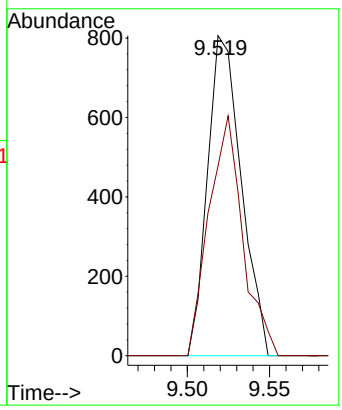




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

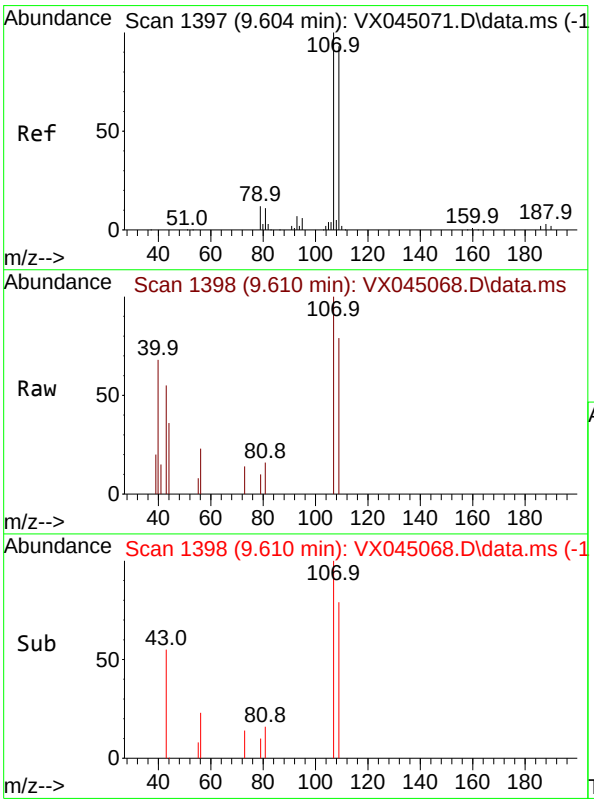
Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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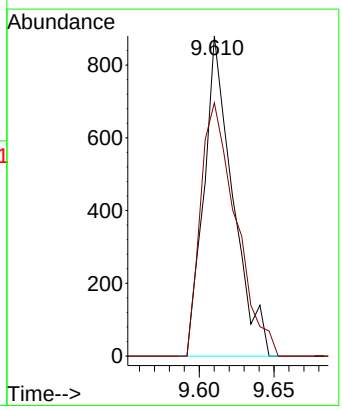
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

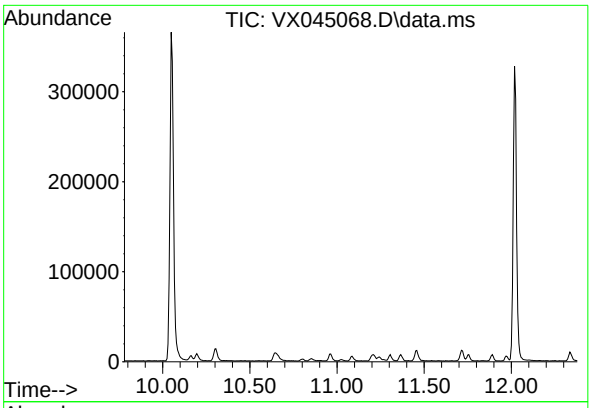


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

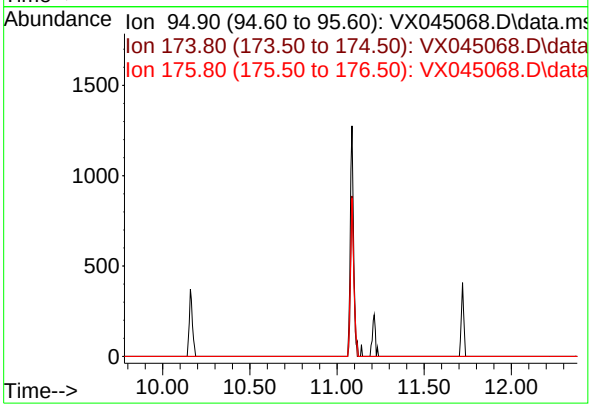
Tgt Ion: 95

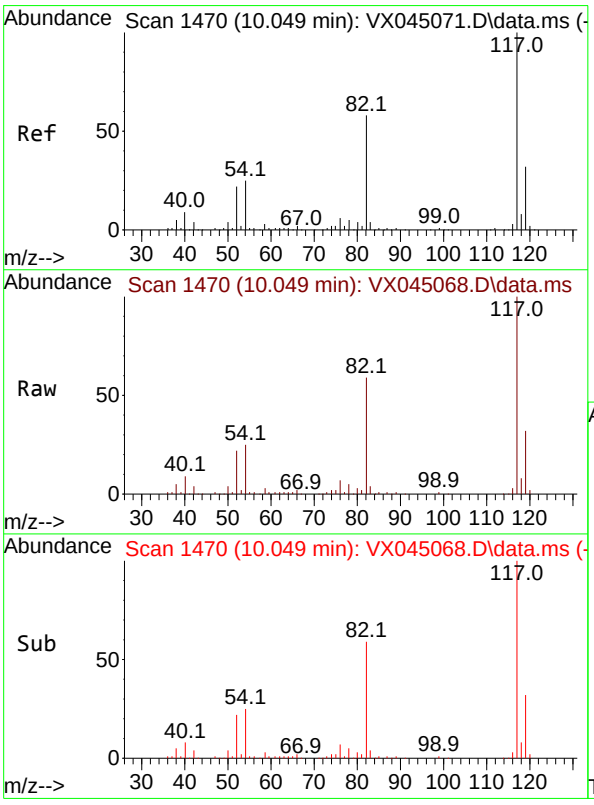
Sig	Exp Ratio
95	100
174	74.1
176	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

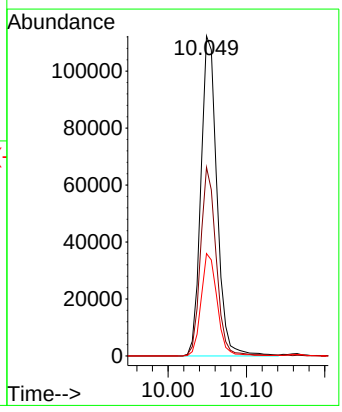


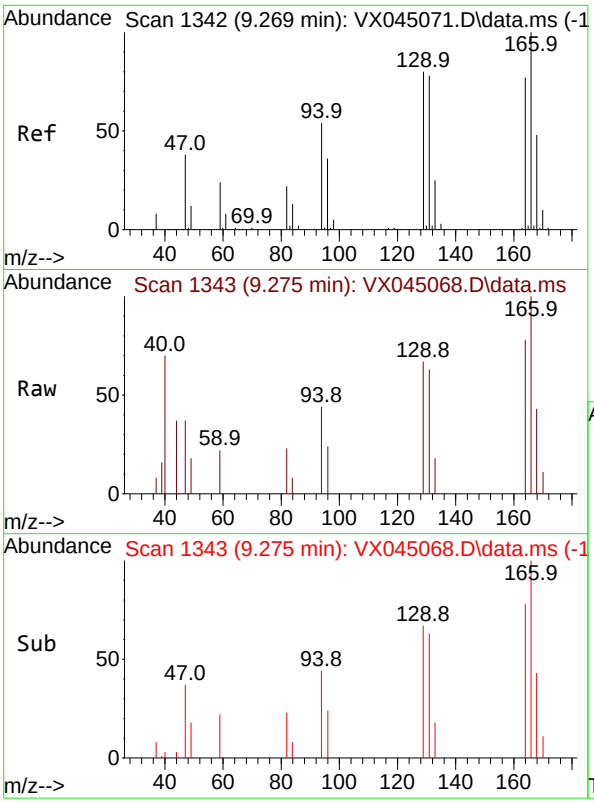


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

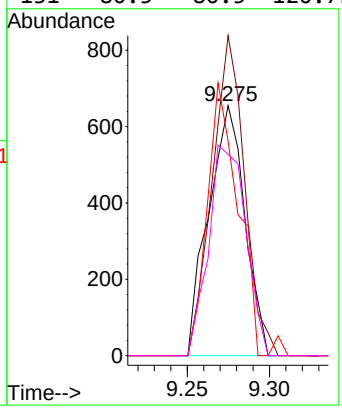




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

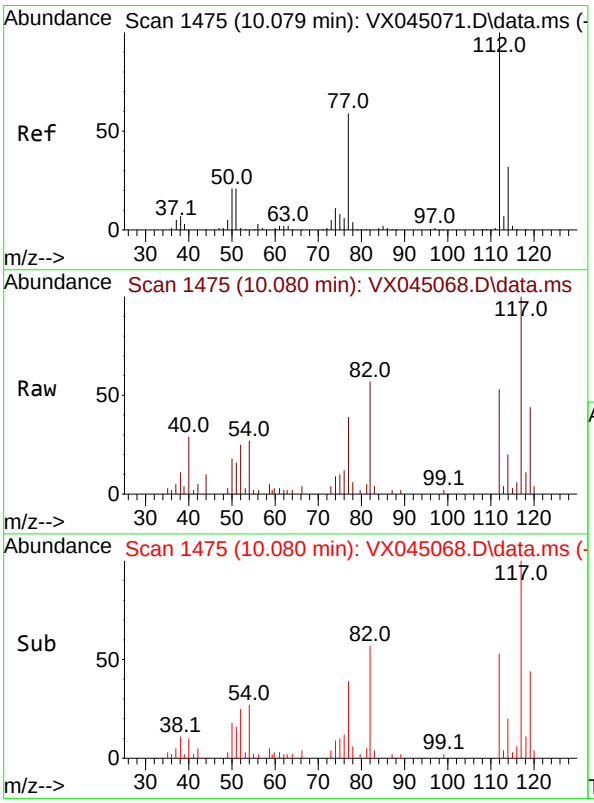
Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

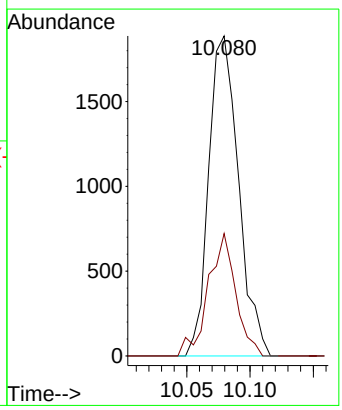
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

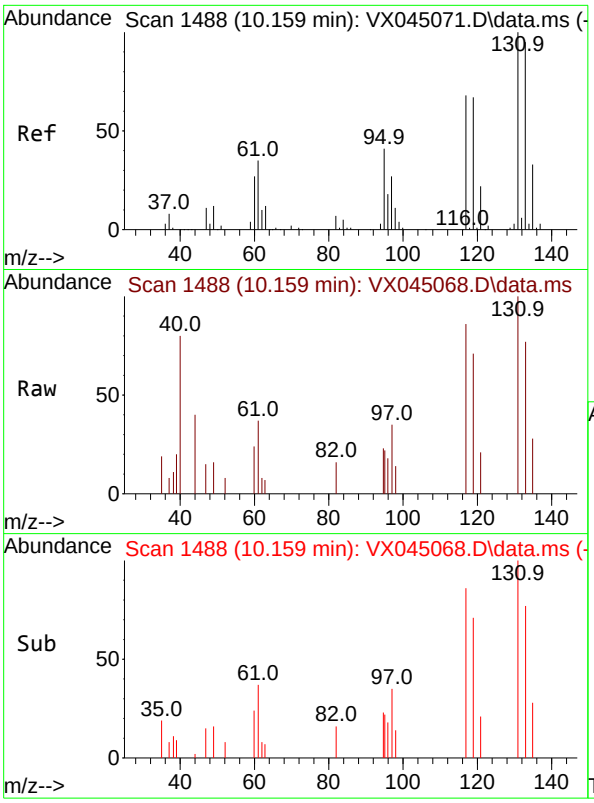


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

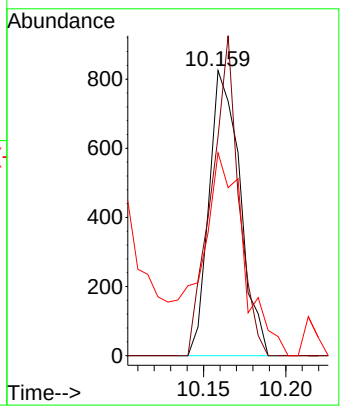
Tgt Ion:131 Resp: 107

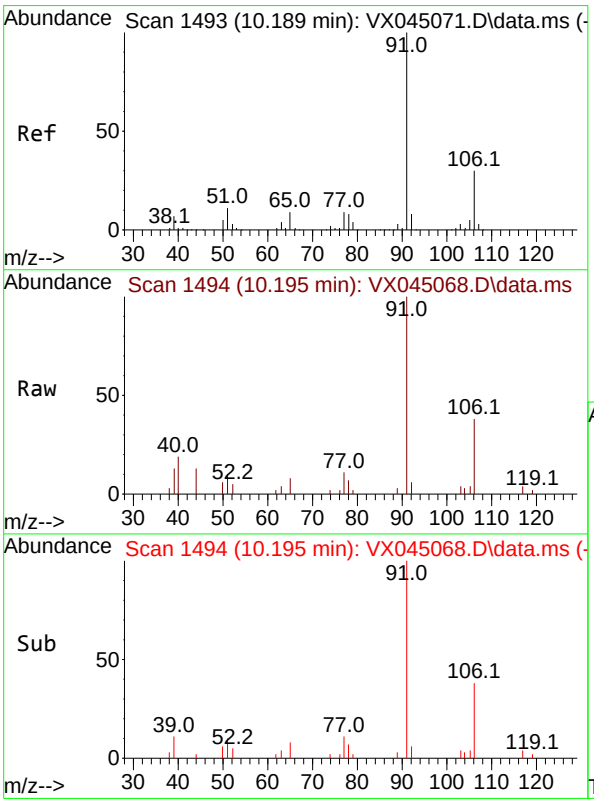
Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

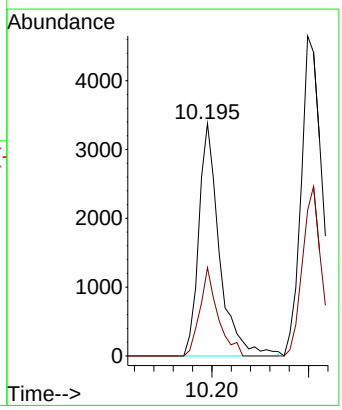


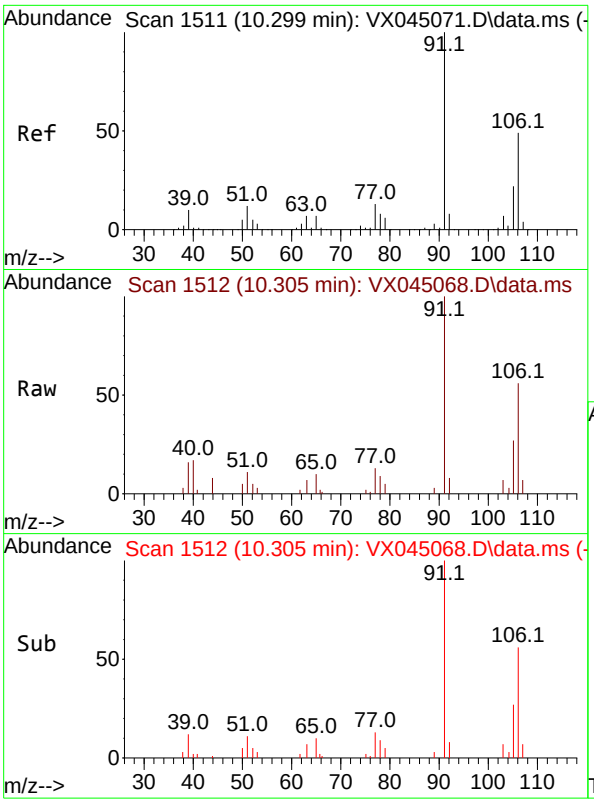


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

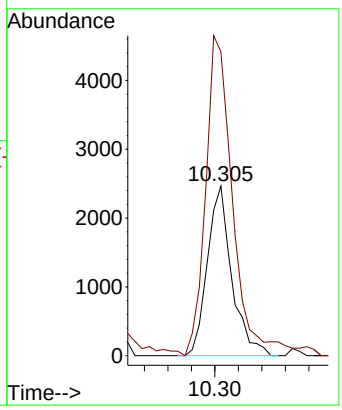




#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 355

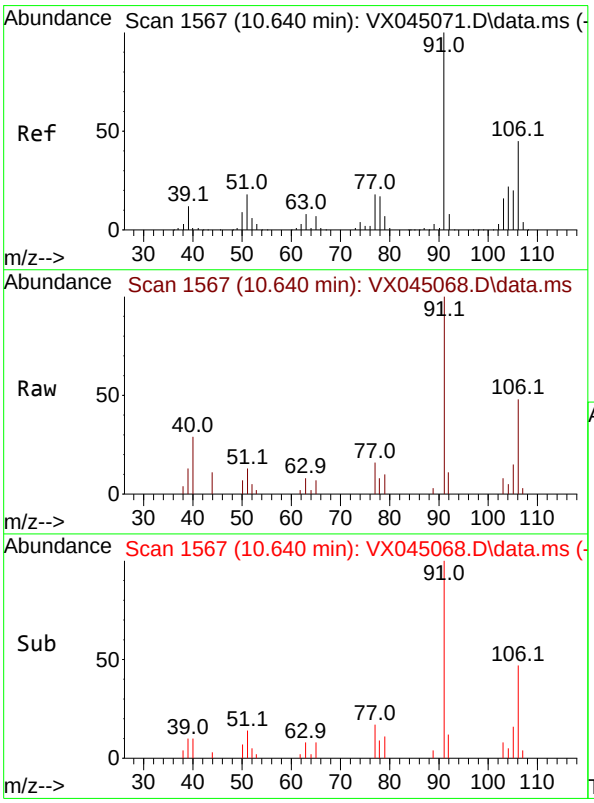
Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

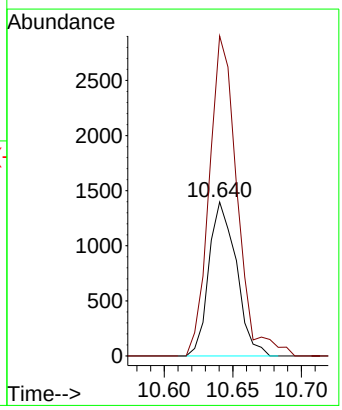
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

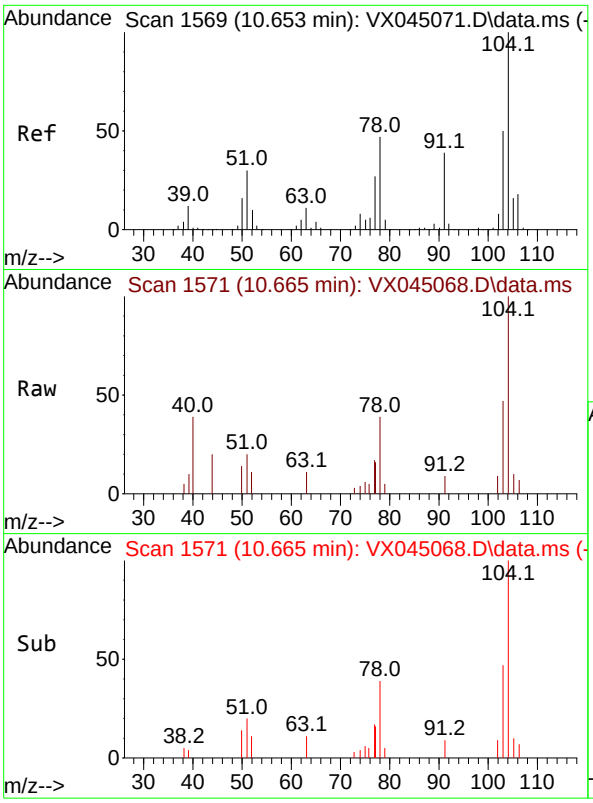


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

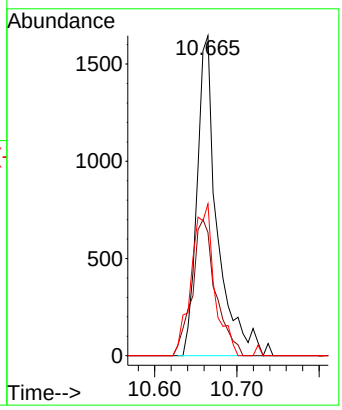




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

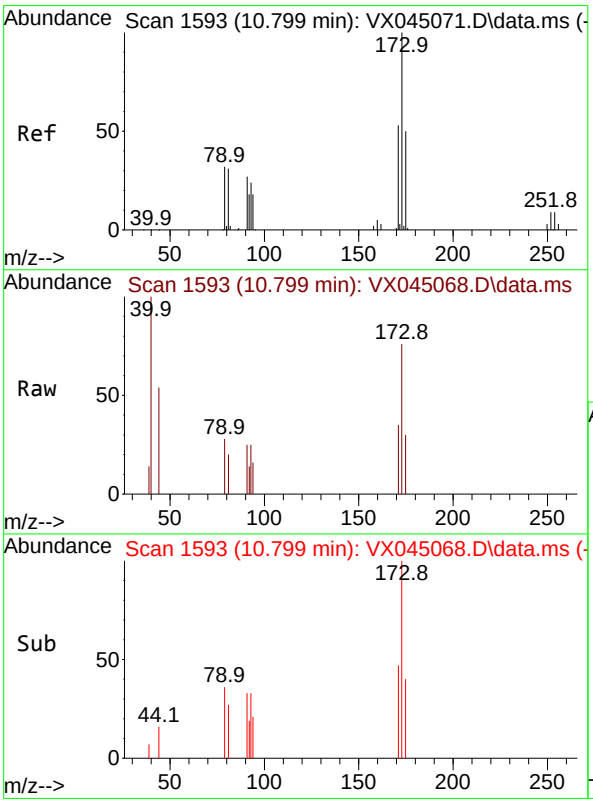
Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

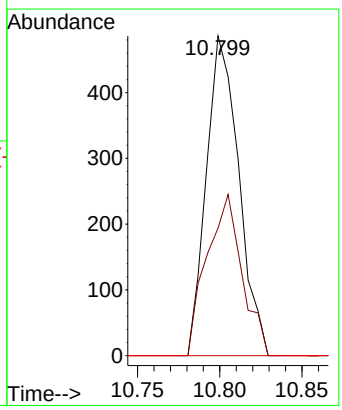
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

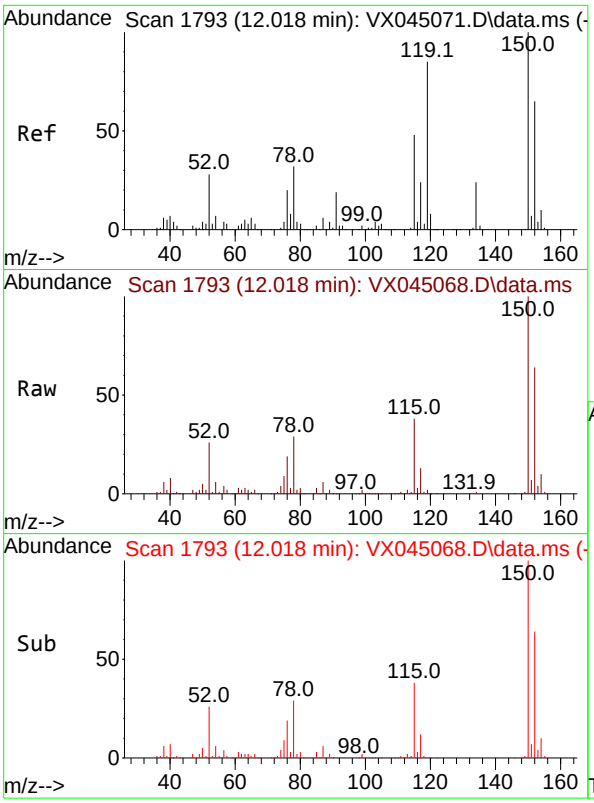


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

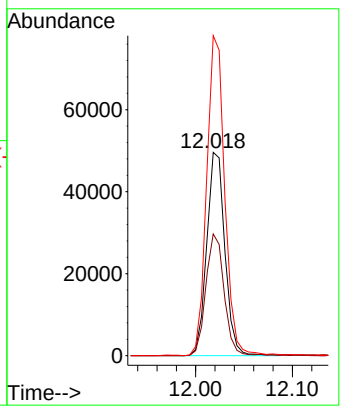




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

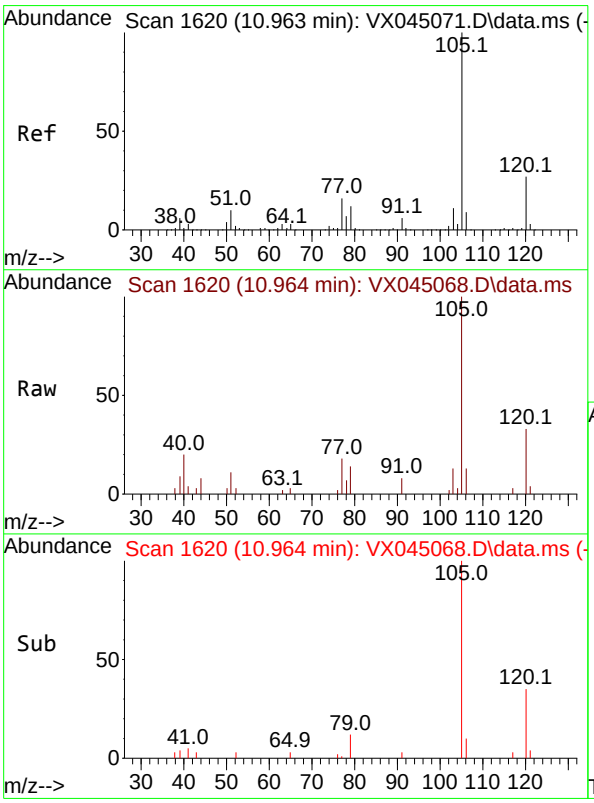
Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

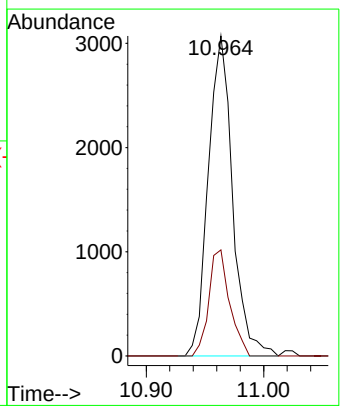
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

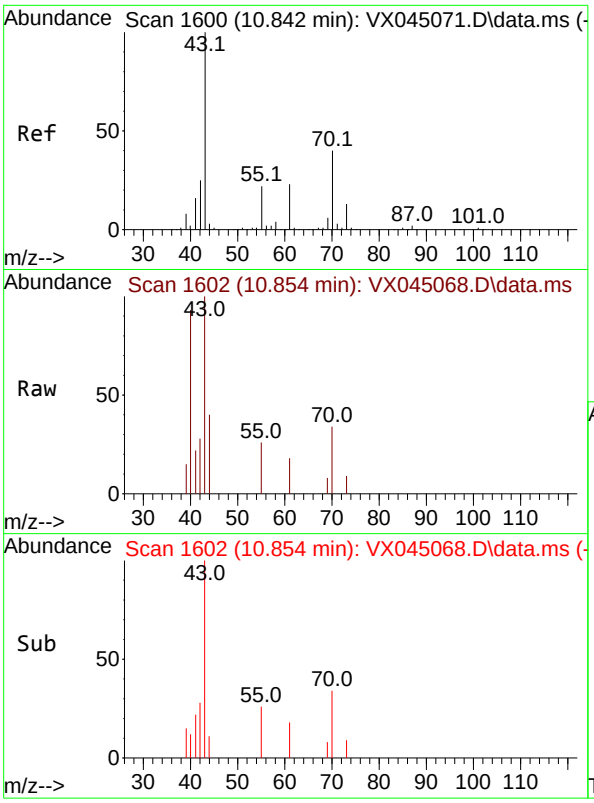


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

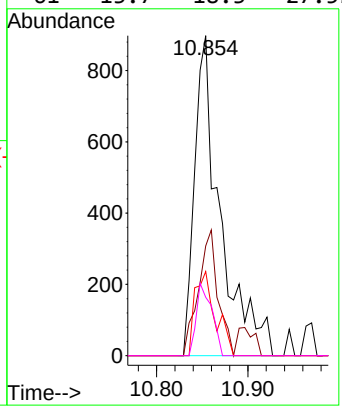




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

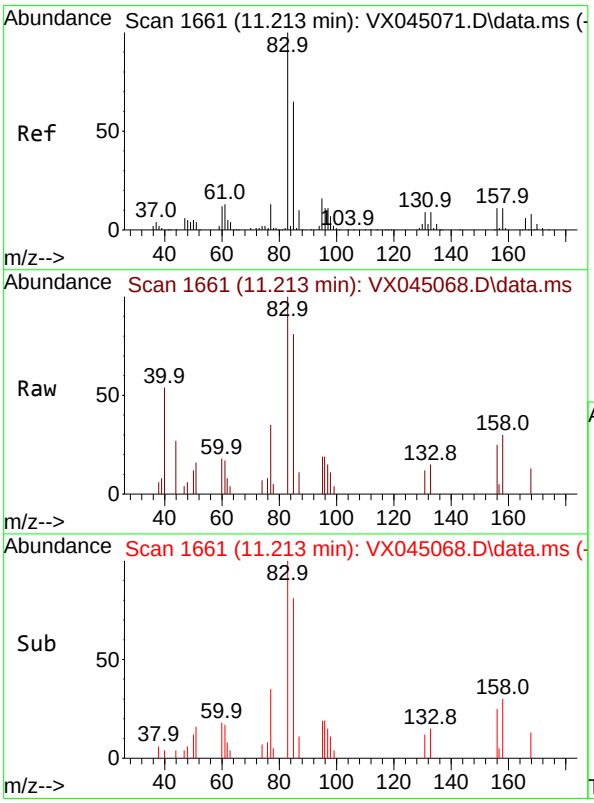
Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

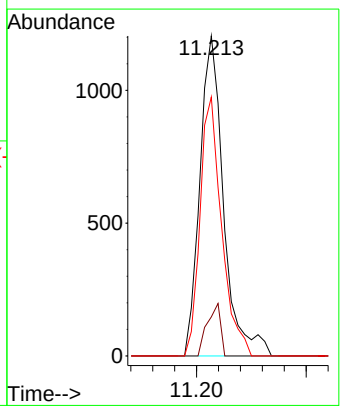
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

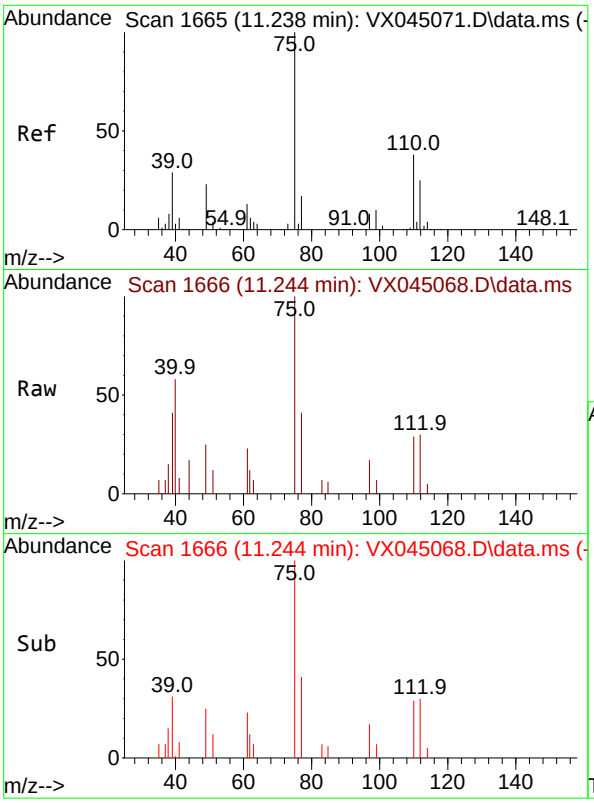


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

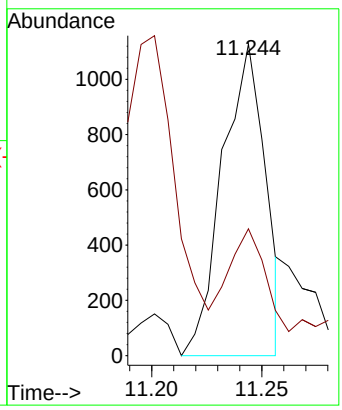




#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 153

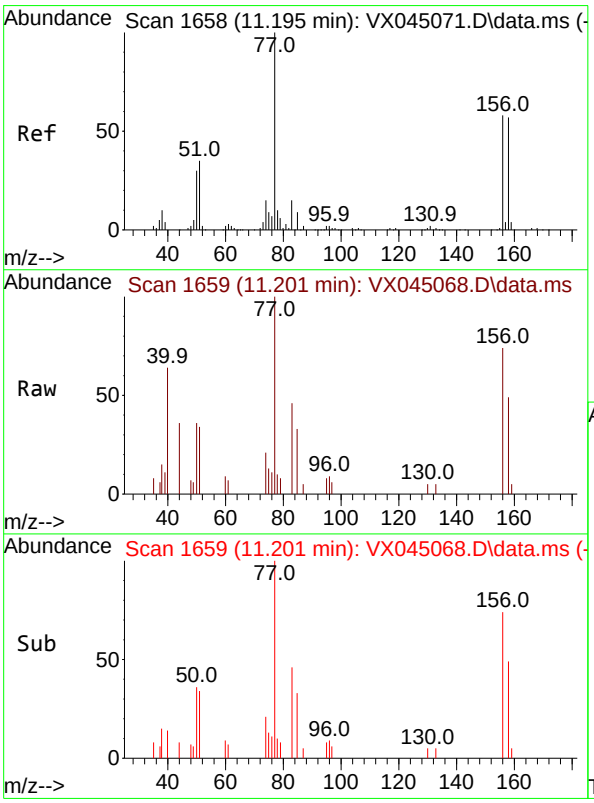
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

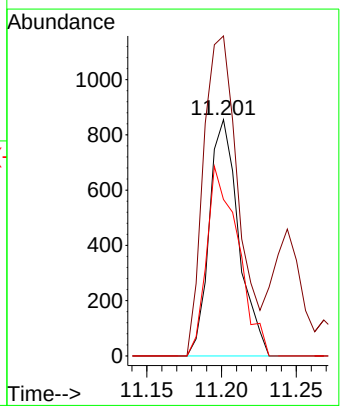
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

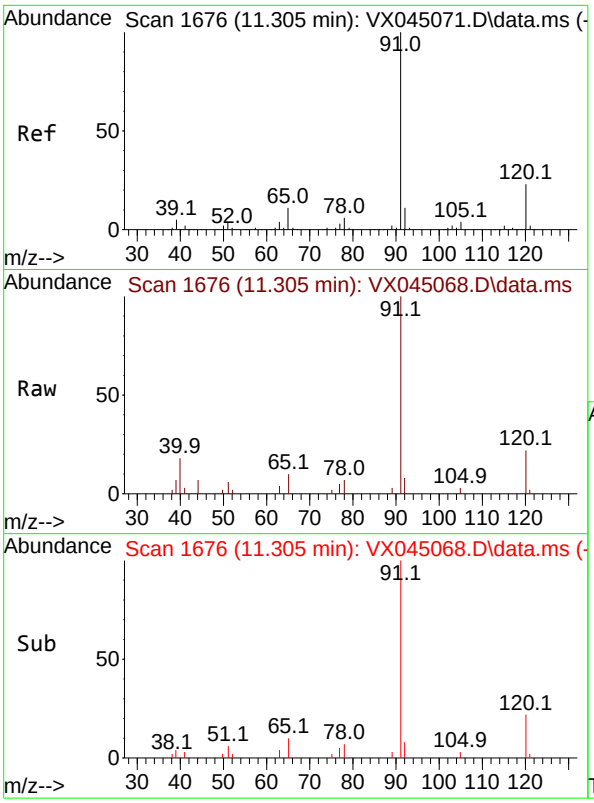


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

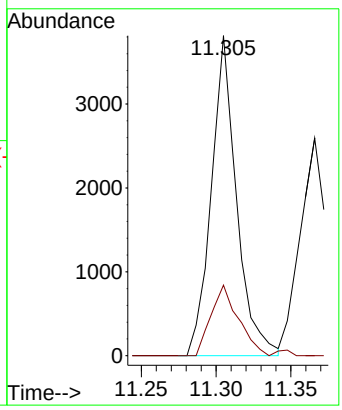




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

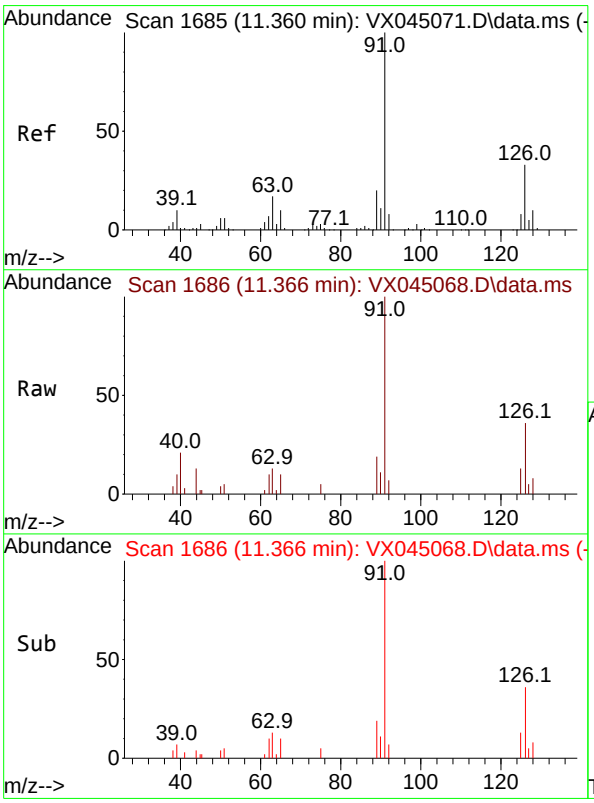
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

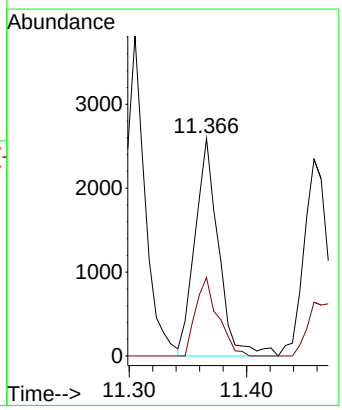
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

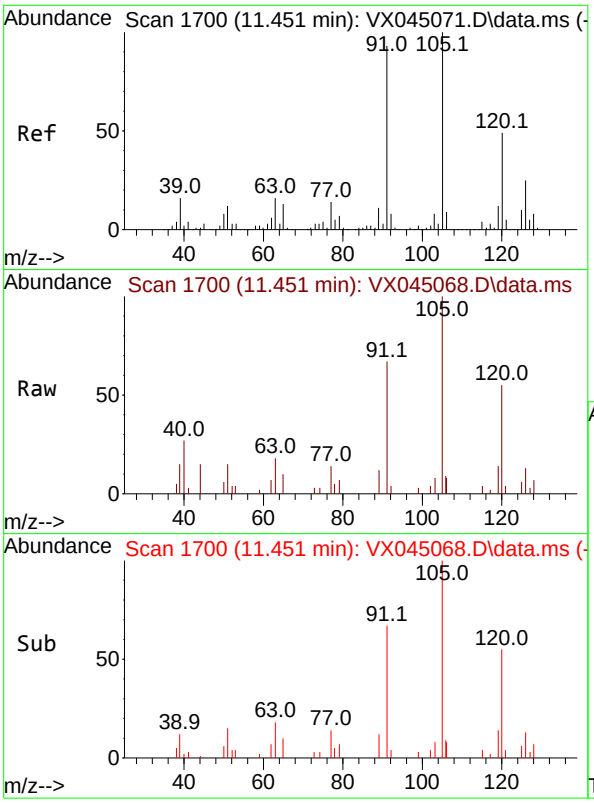


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

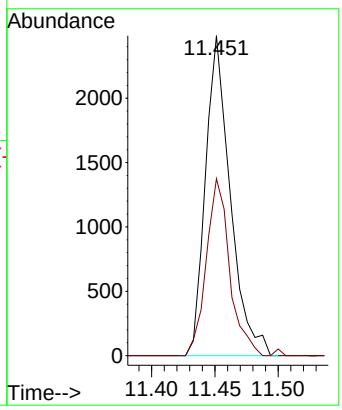




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

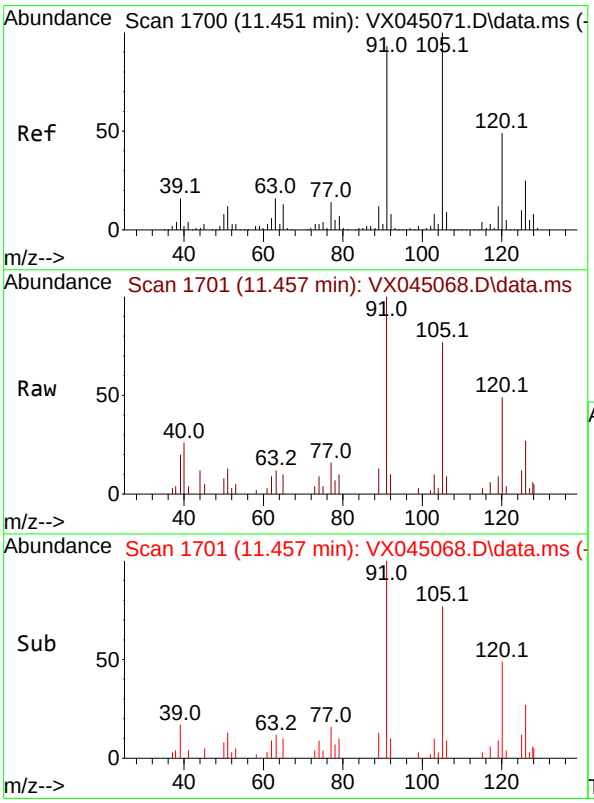
Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

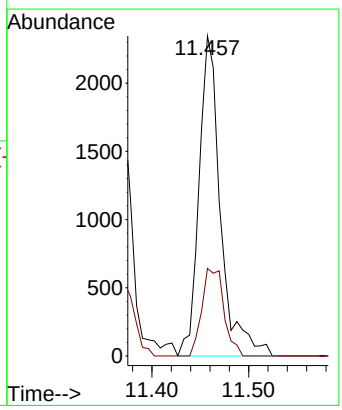
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

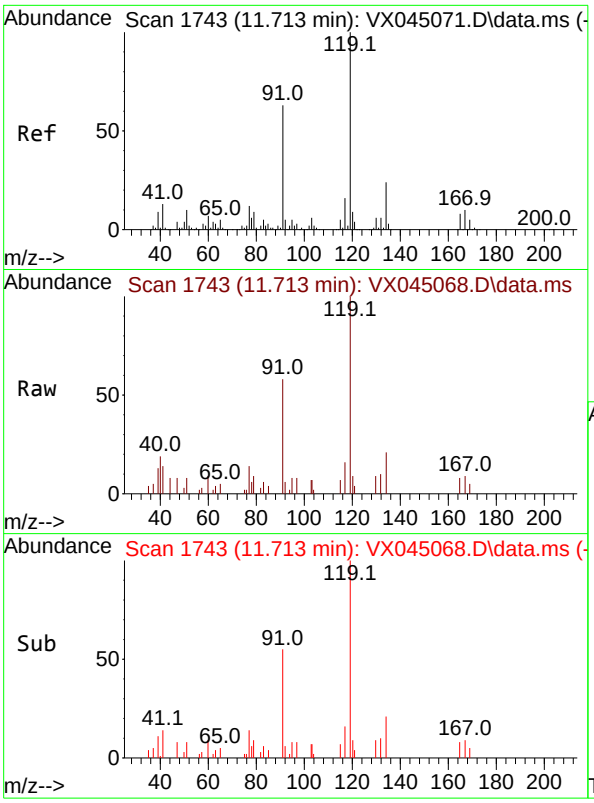


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

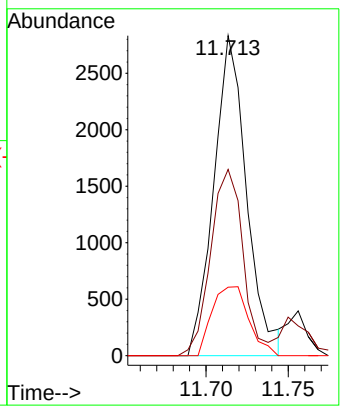




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

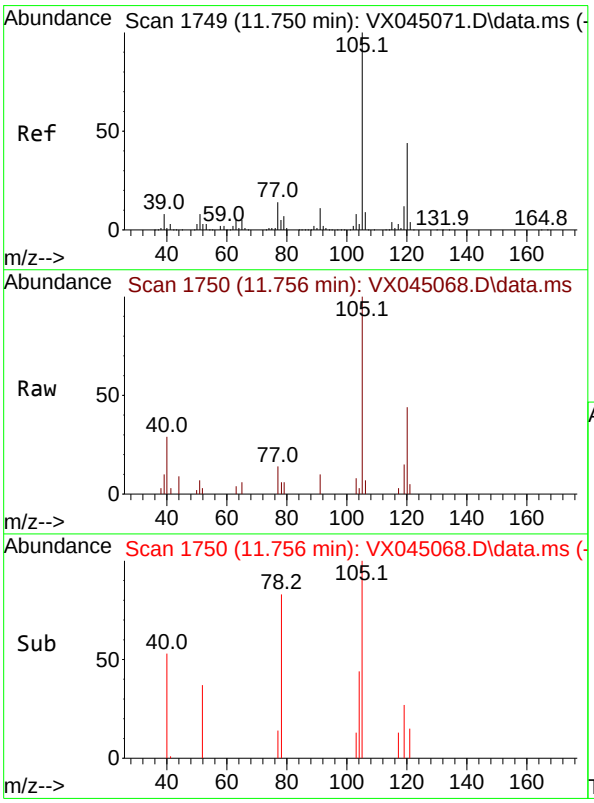
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

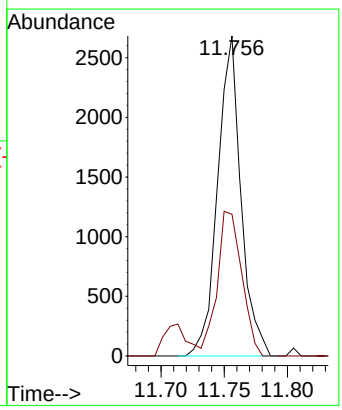
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

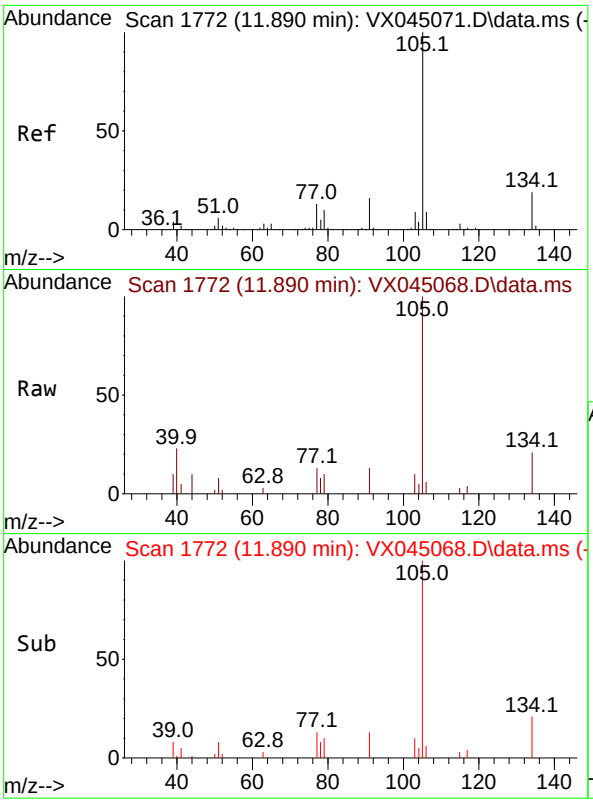


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1

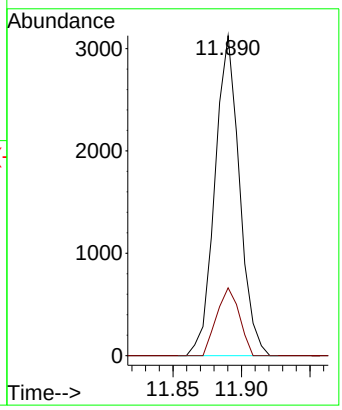




#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 389

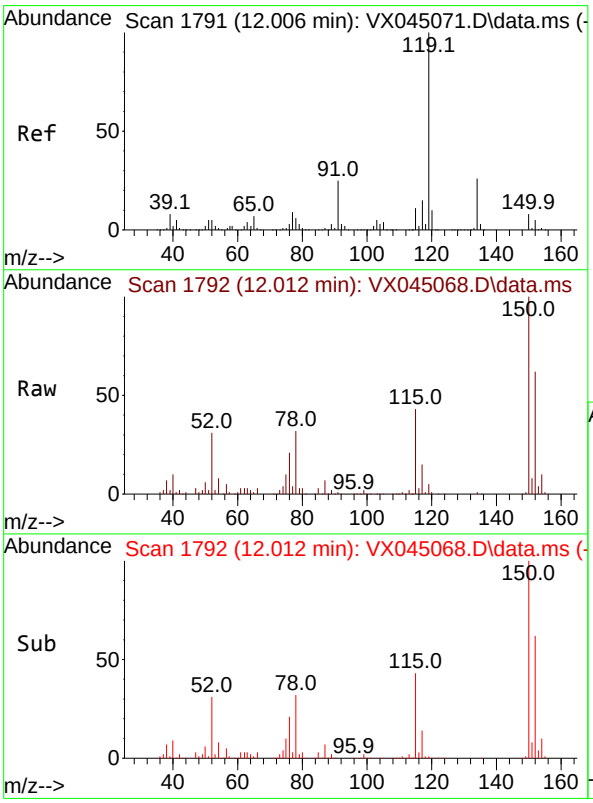
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

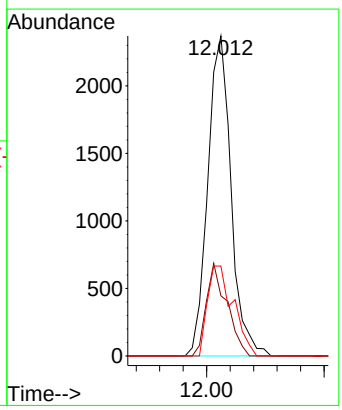
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

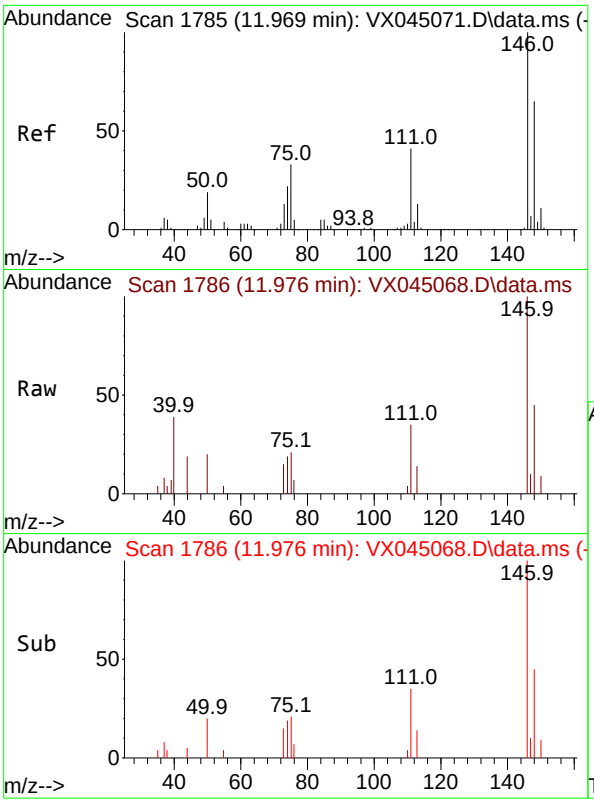


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0

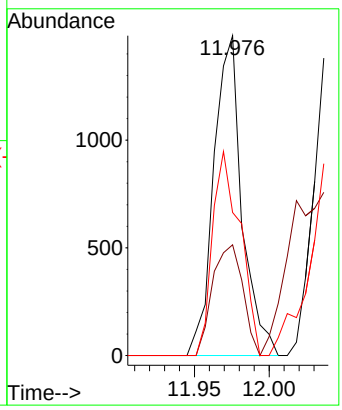




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

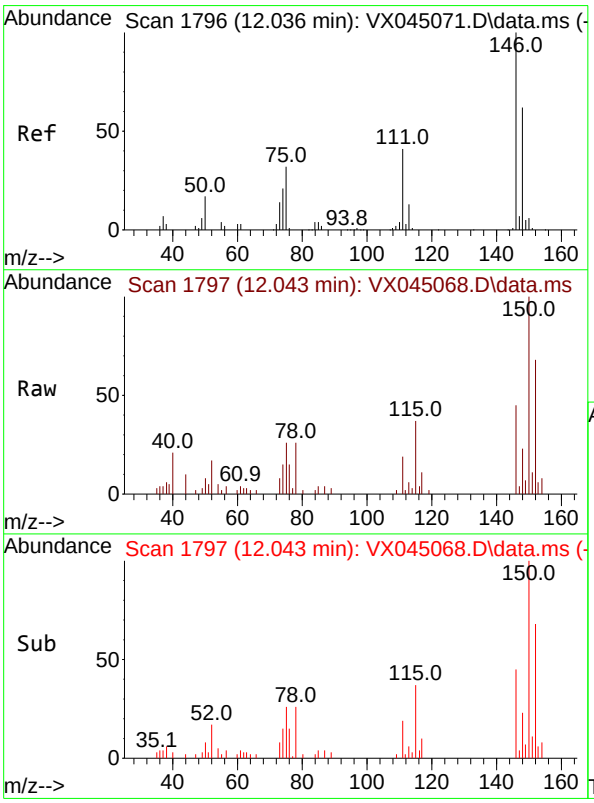
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

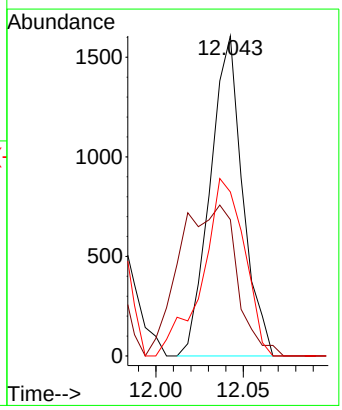
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

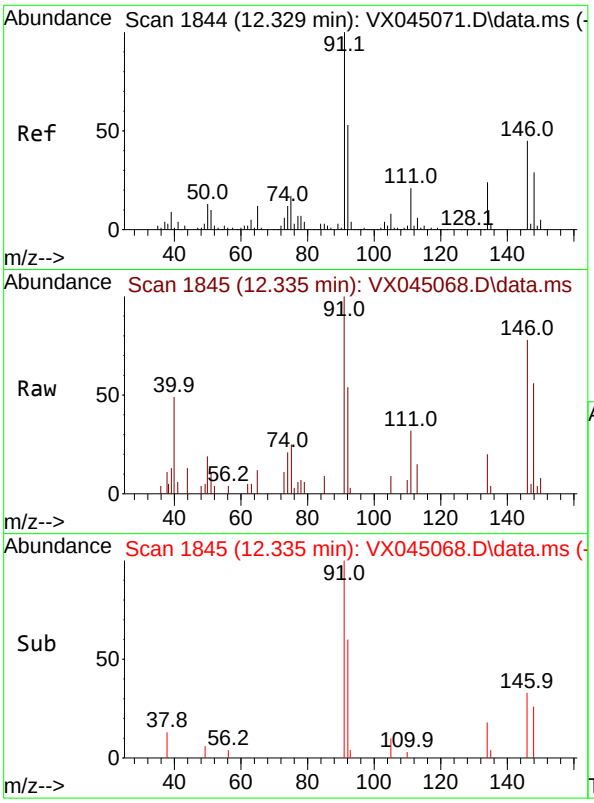


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 2082

Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.2	60.5
148	58.4	31.9	95.9

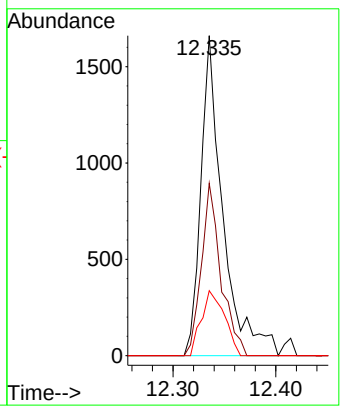




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

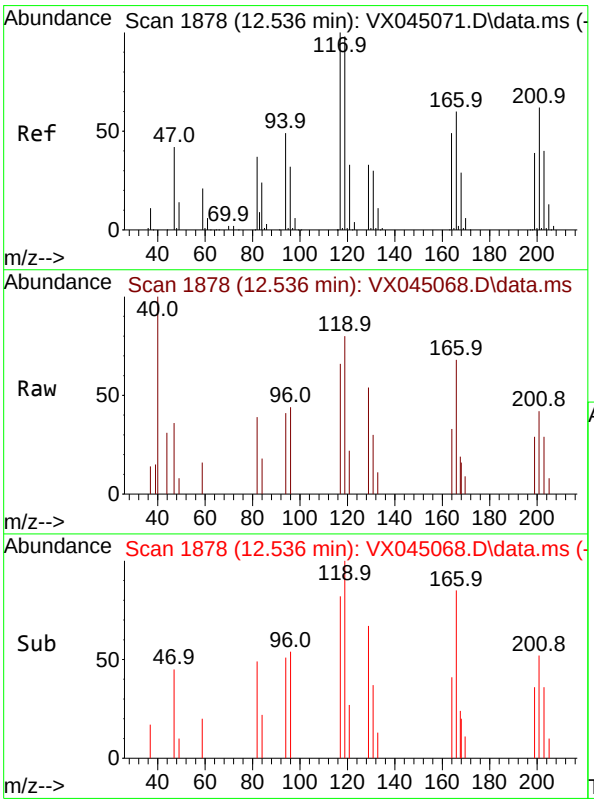
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

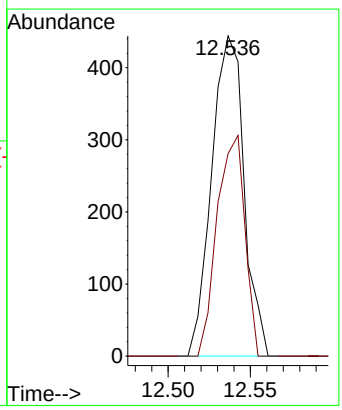
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

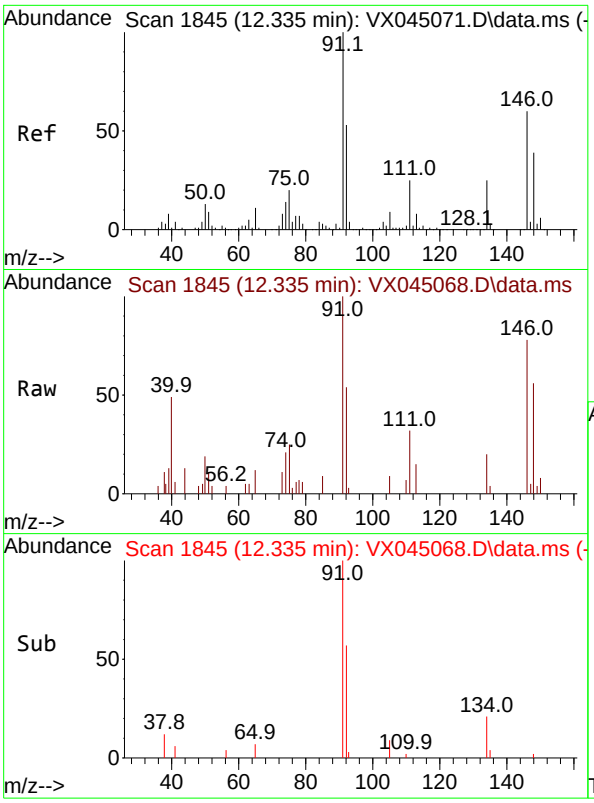


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

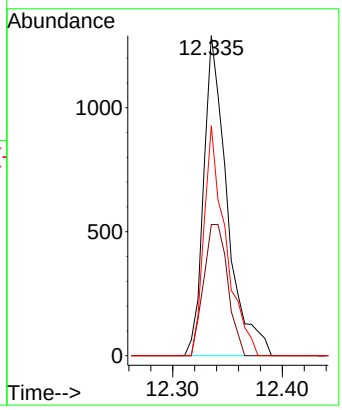




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

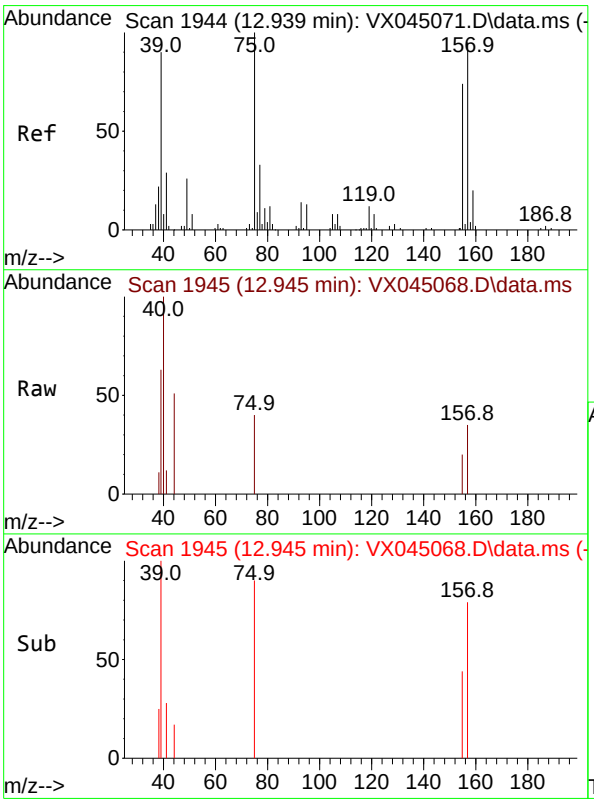
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

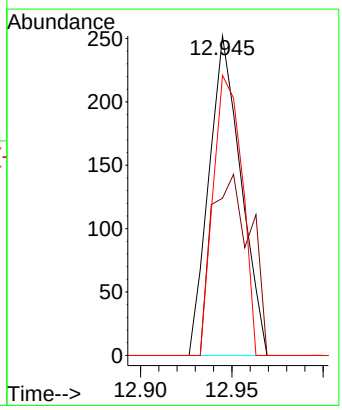
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

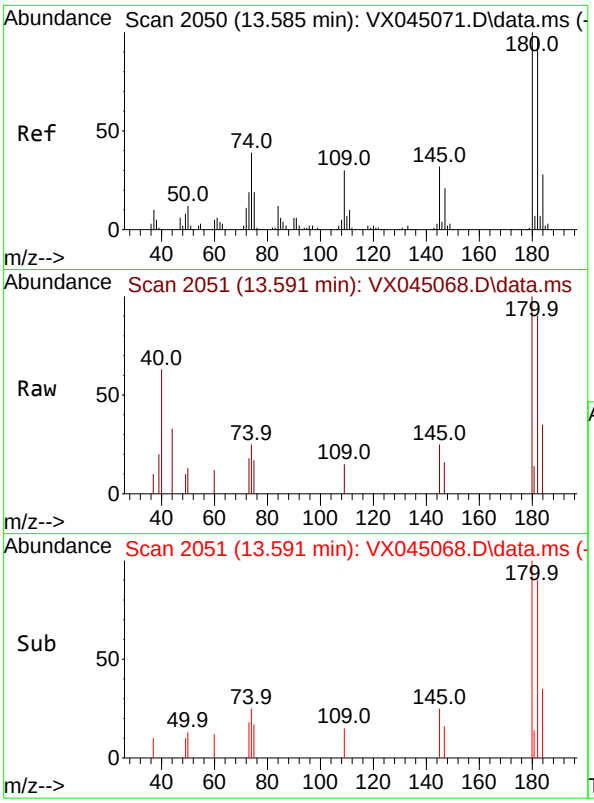


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4

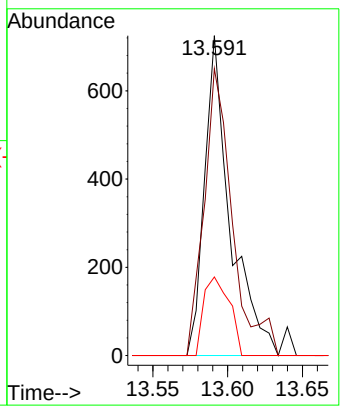




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

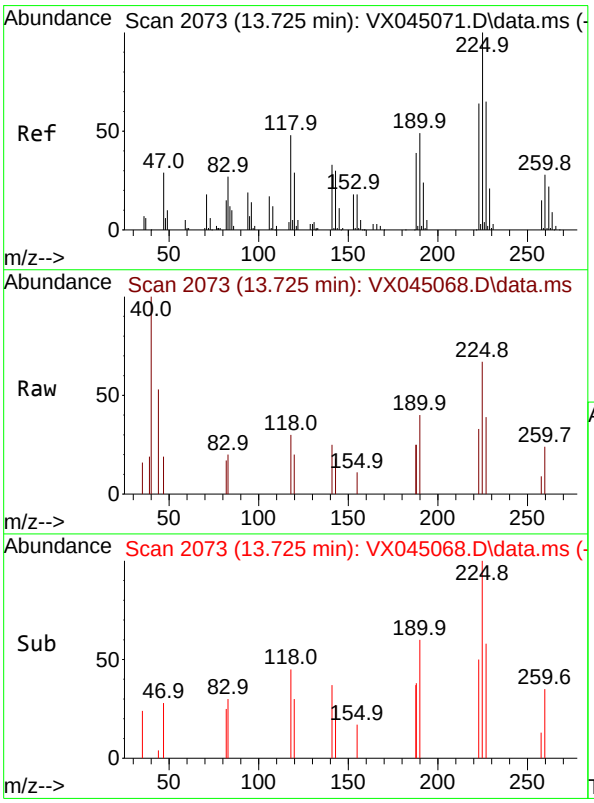
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

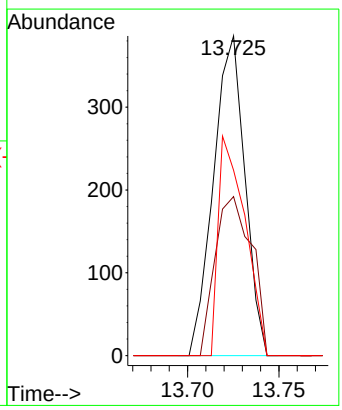
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

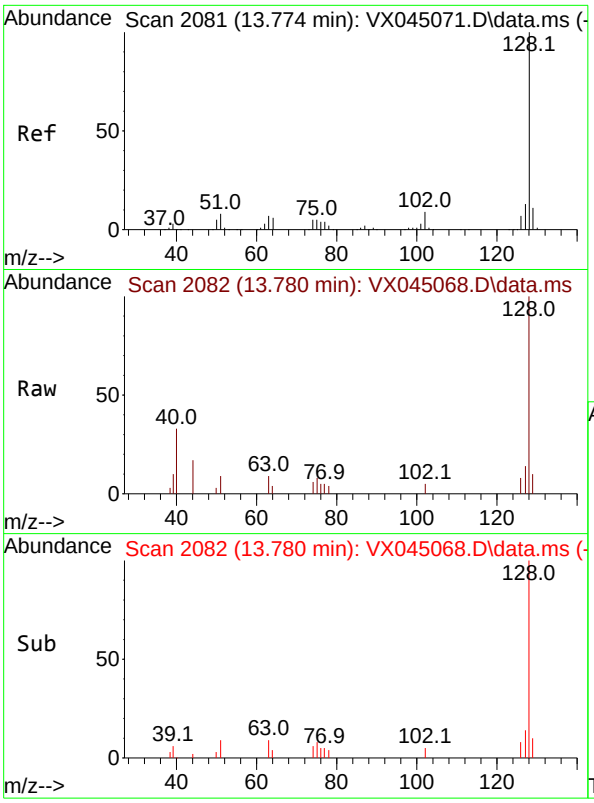


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0

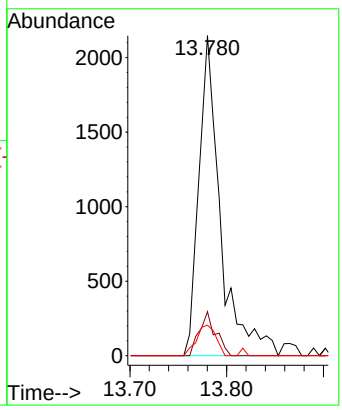




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

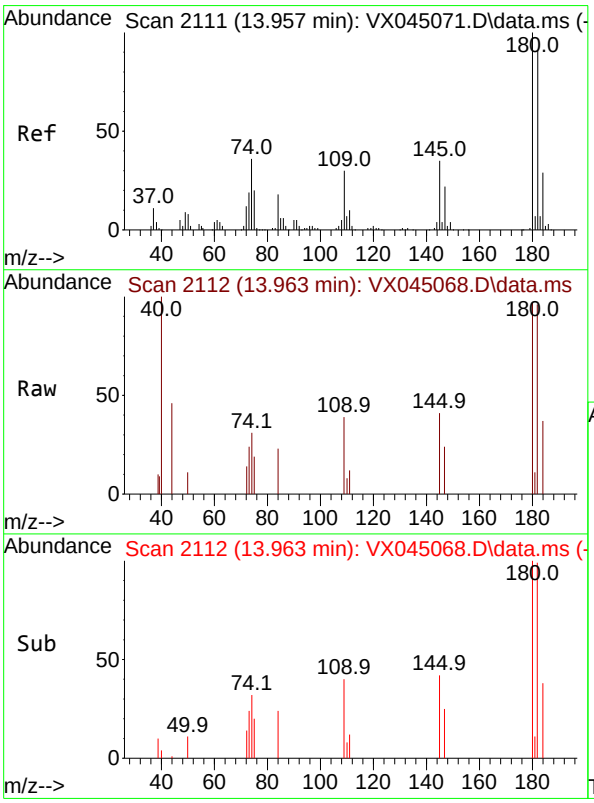
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

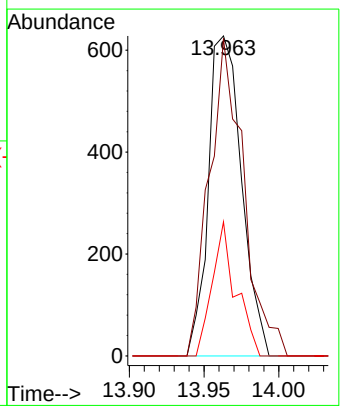
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#			
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#			
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#			
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l		
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l		99
44) Trichloroethene	7.129	130	6827	5.234	ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l		95
46) Dibromomethane	7.586	93	5146	5.195	ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l		99
52) Toluene	8.720	92	16933	4.997	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l		97
69) o-Xylene	10.640	106	11881	4.914	ug/l		95
70) Styrene	10.659	104	18278	4.704	ug/l		99
71) Bromoform	10.799	173	4027	4.541	ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l		
77) Bromobenzene	11.195	156	6970	5.163	ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l		97
95) Naphthalene	13.780	128	22927	4.287	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

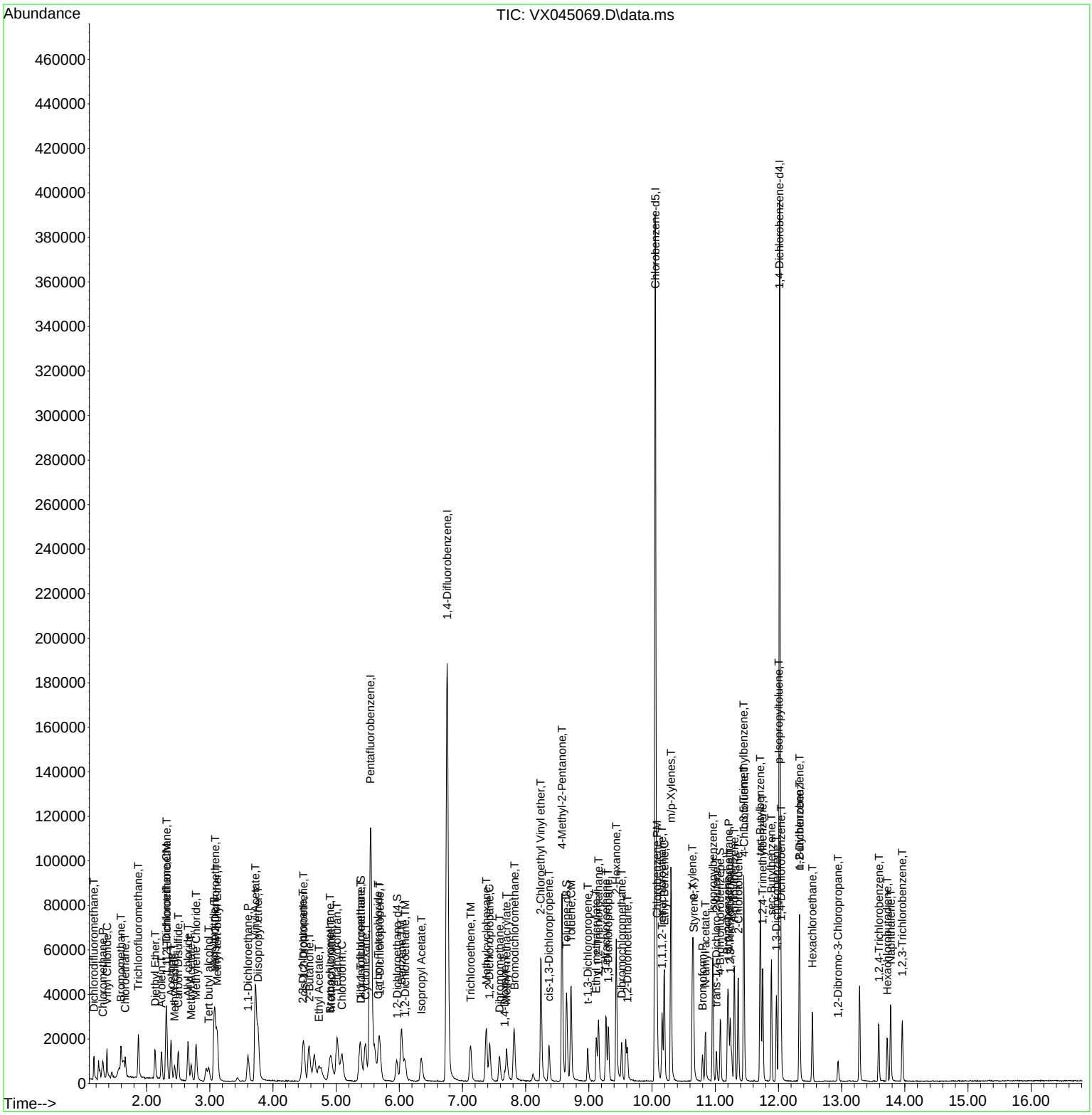
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Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

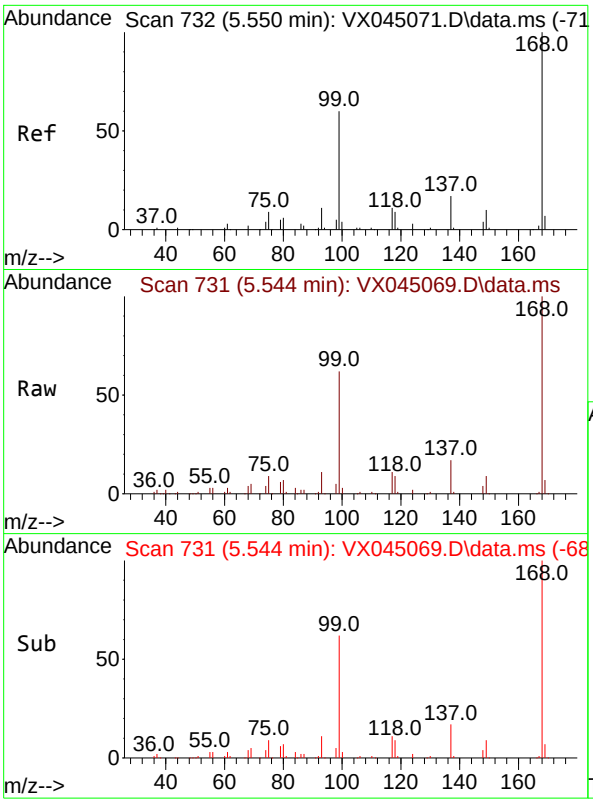
Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

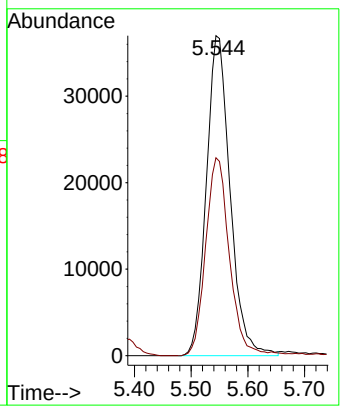




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

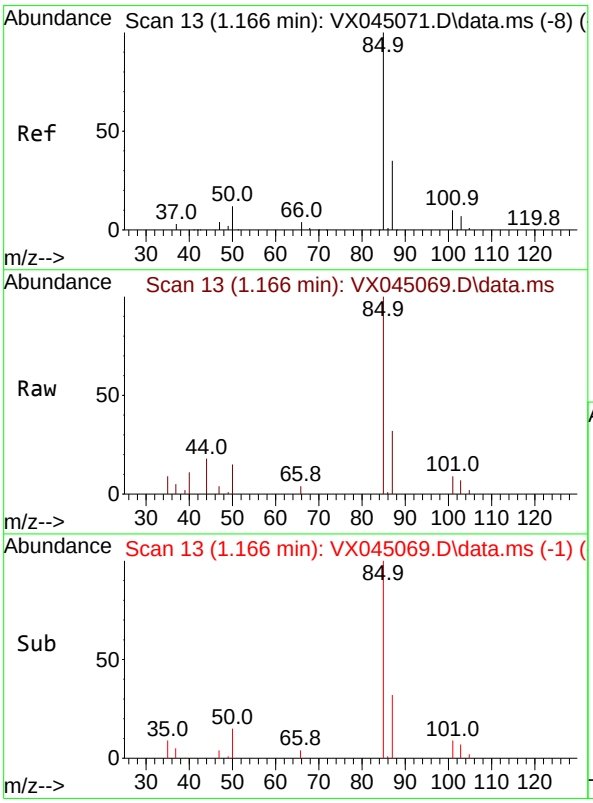
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

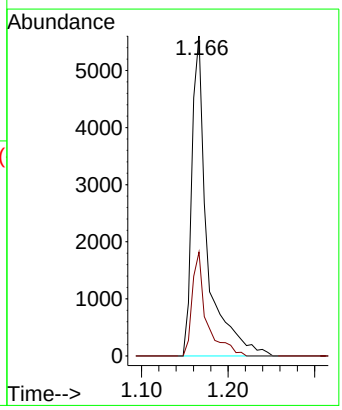
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

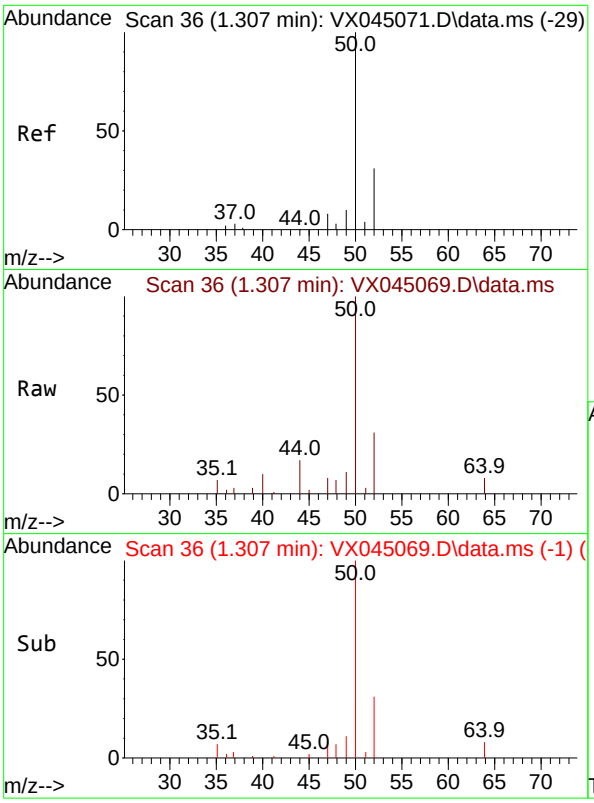


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

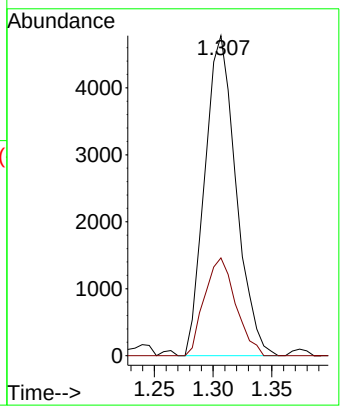




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

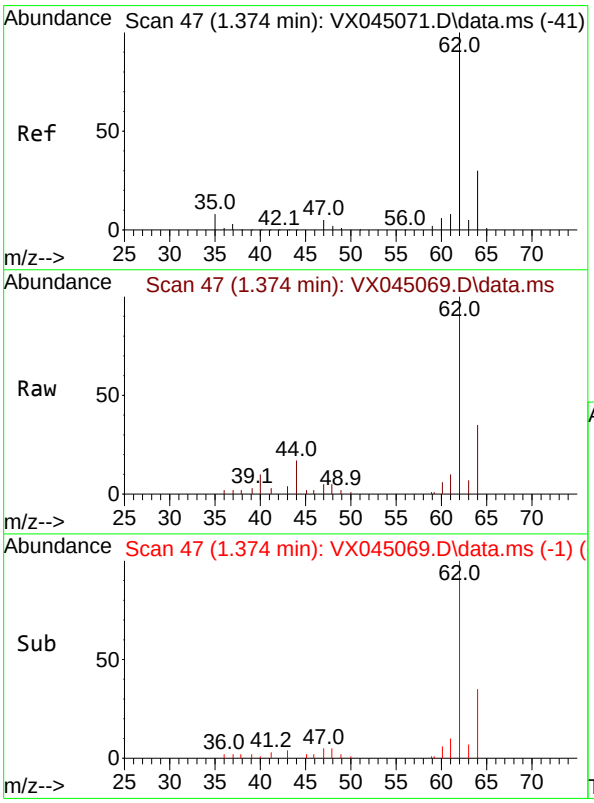
Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

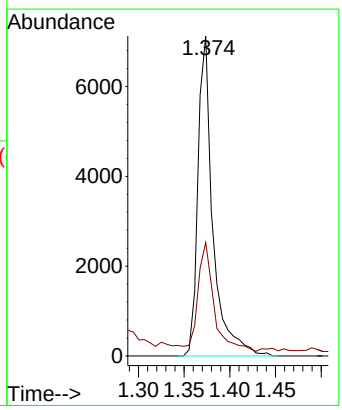
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

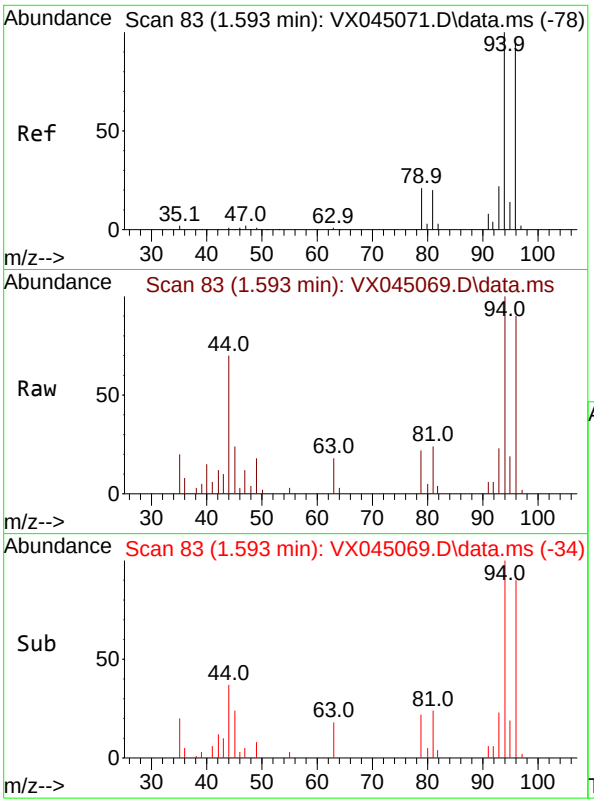


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

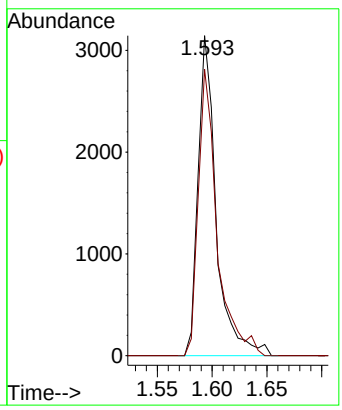




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

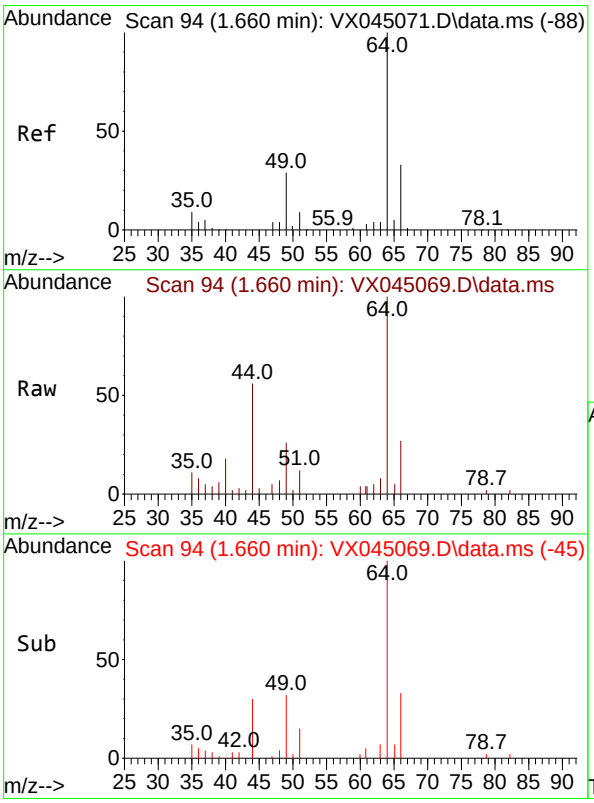
Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

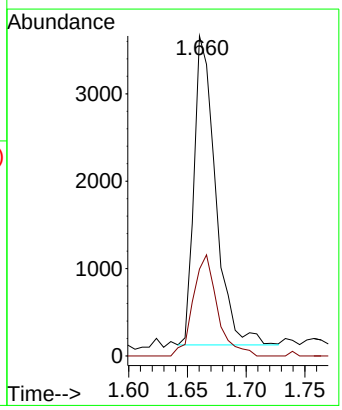
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

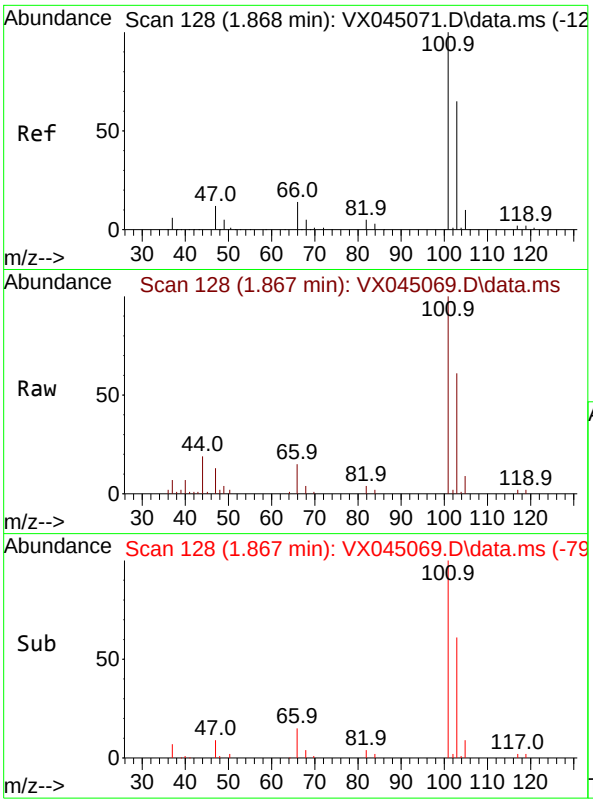


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

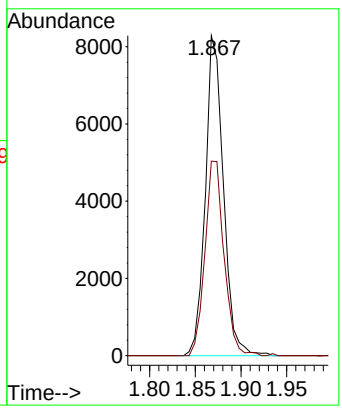




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

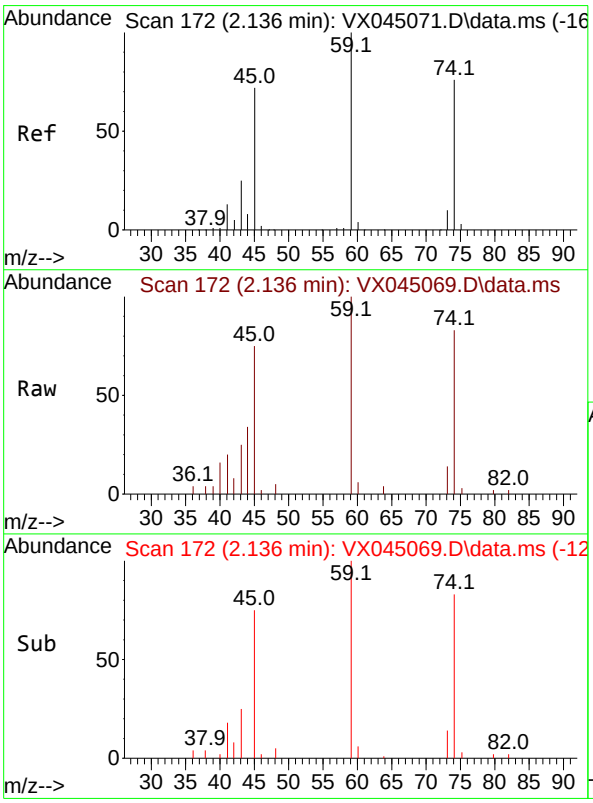
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

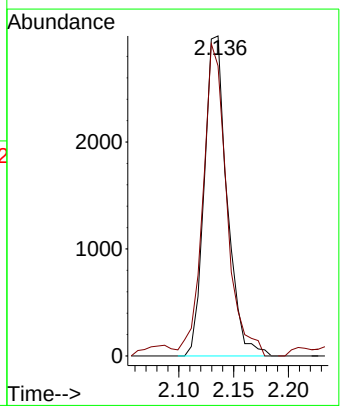
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

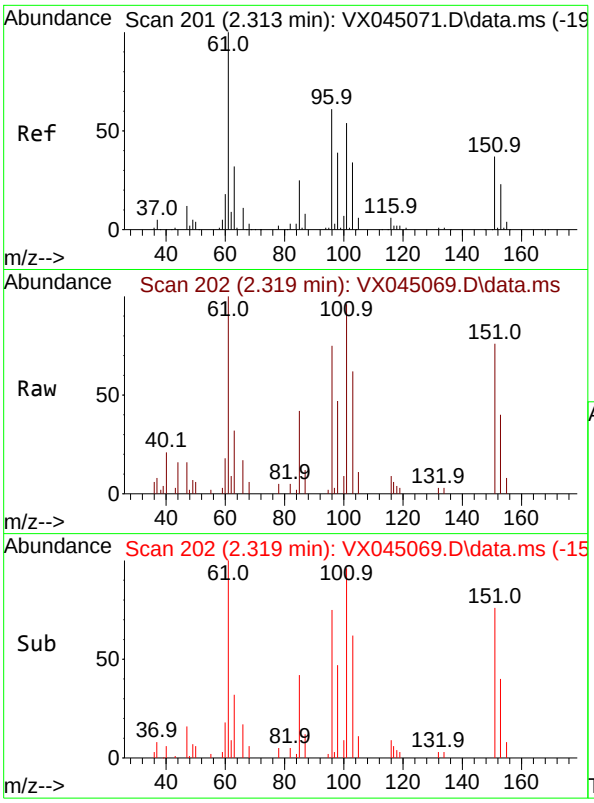


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5

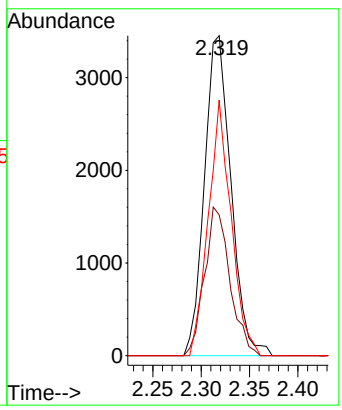




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 658(

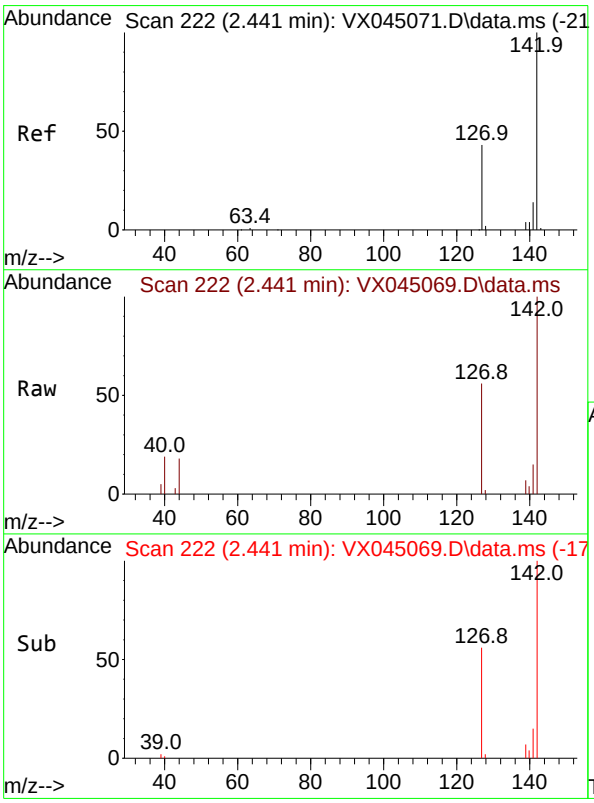
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

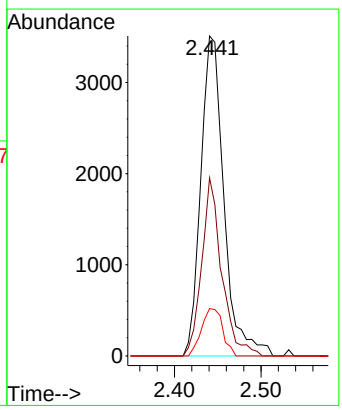
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

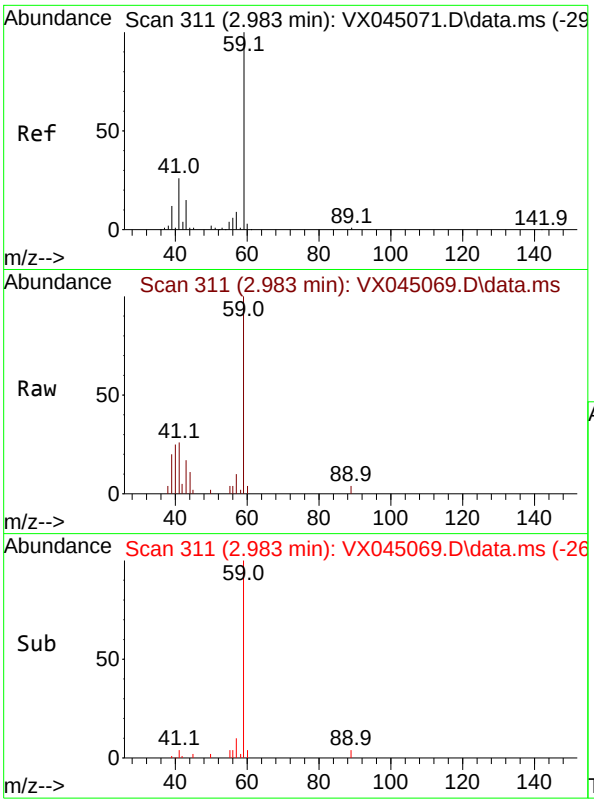


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4

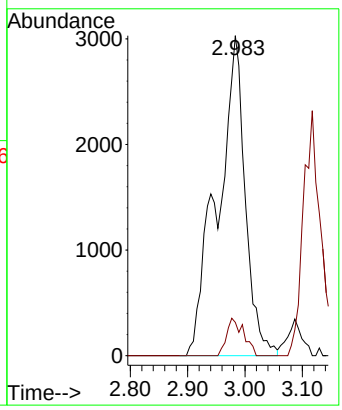




#11
Tert butyl alcohol
Concen: 34.976 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 59 Resp: 1016

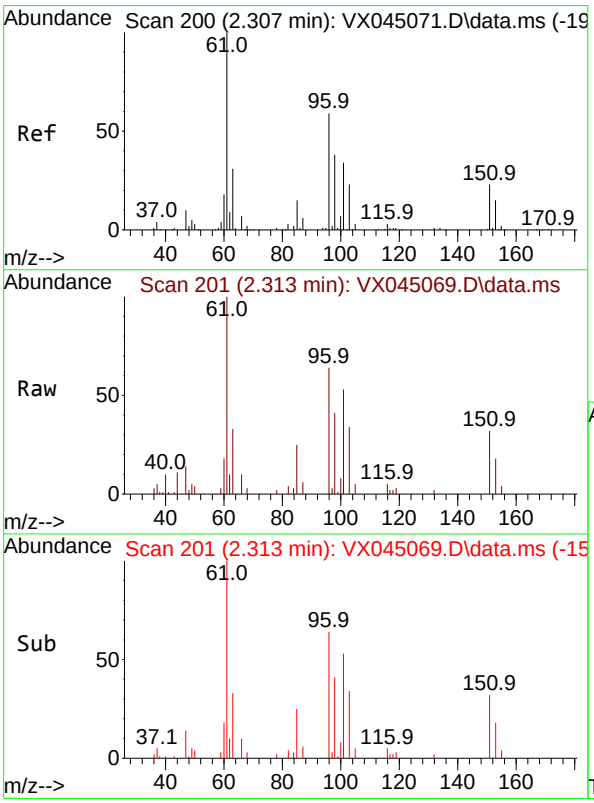
Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

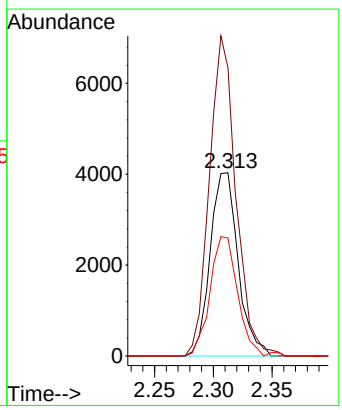
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

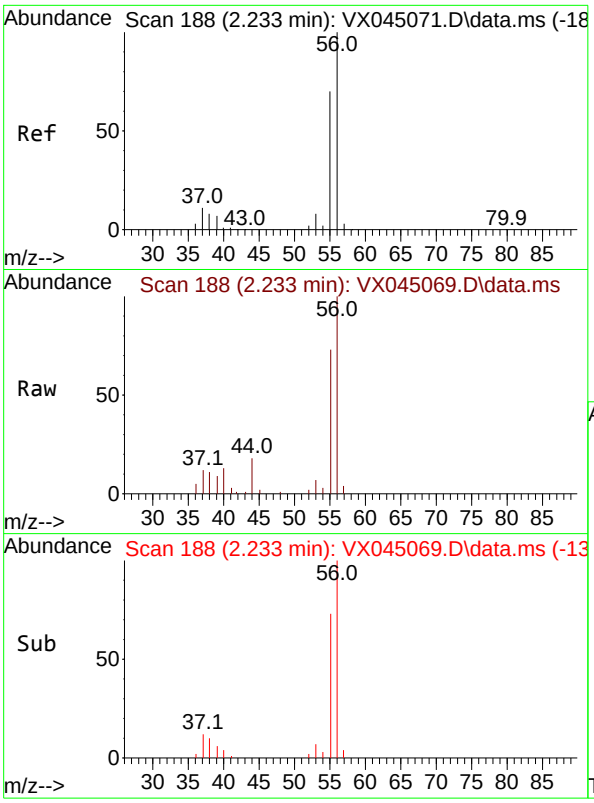


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6

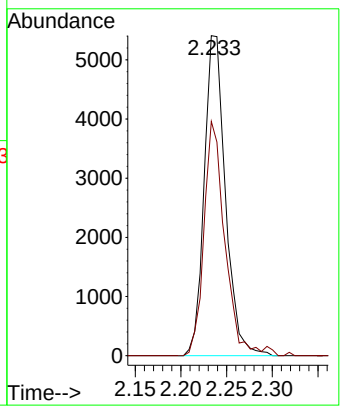




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 872

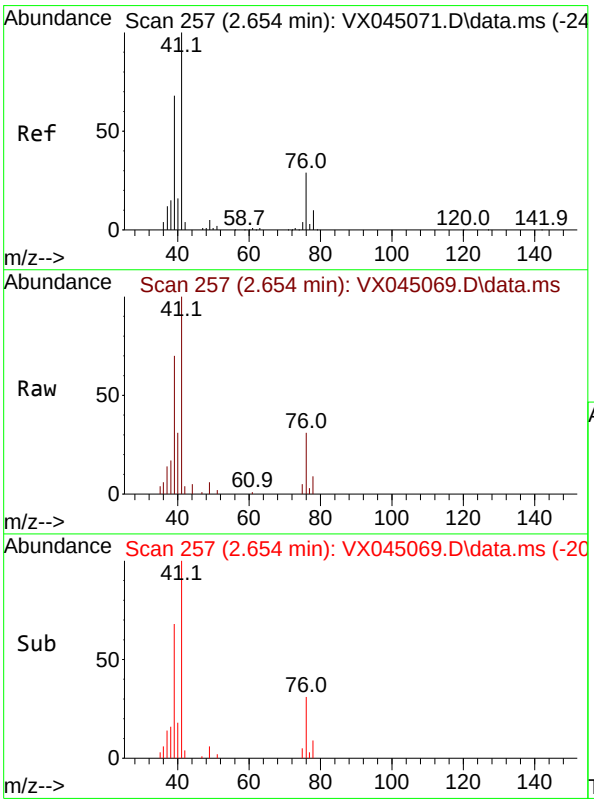
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

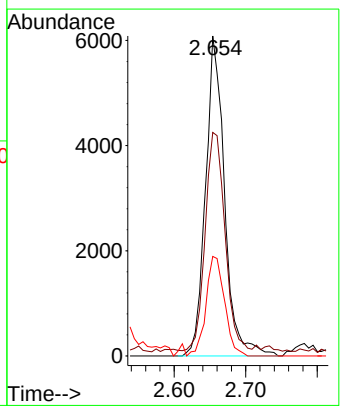
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

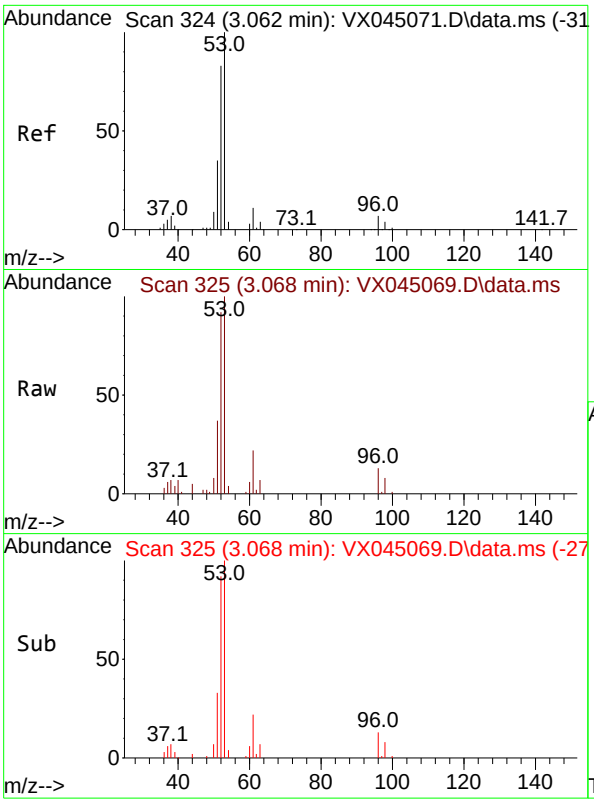


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8

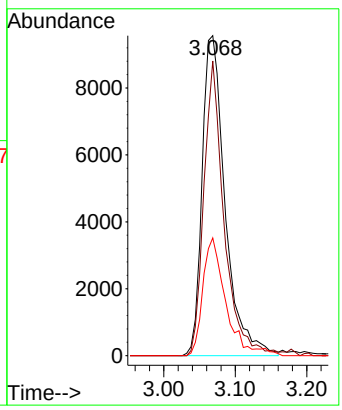




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

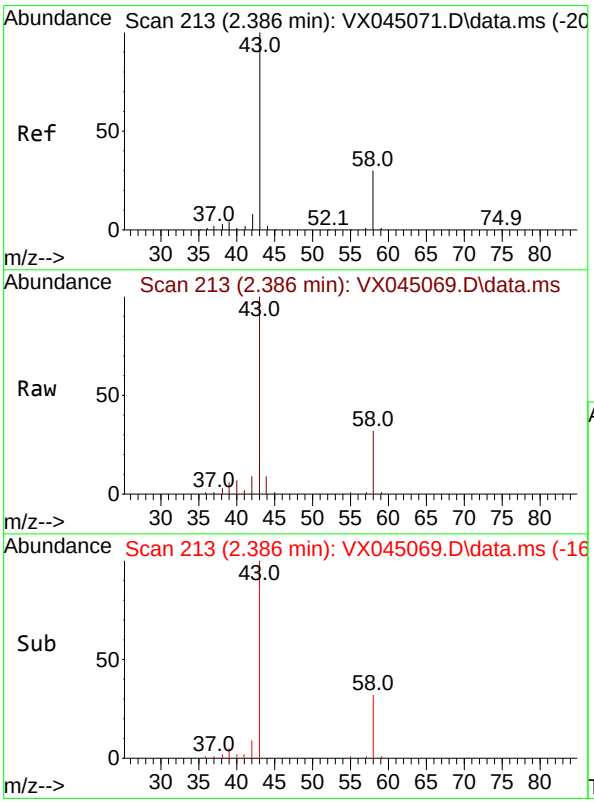
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

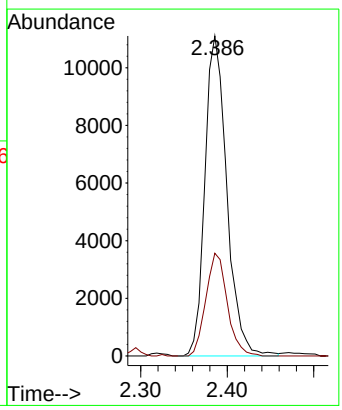
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

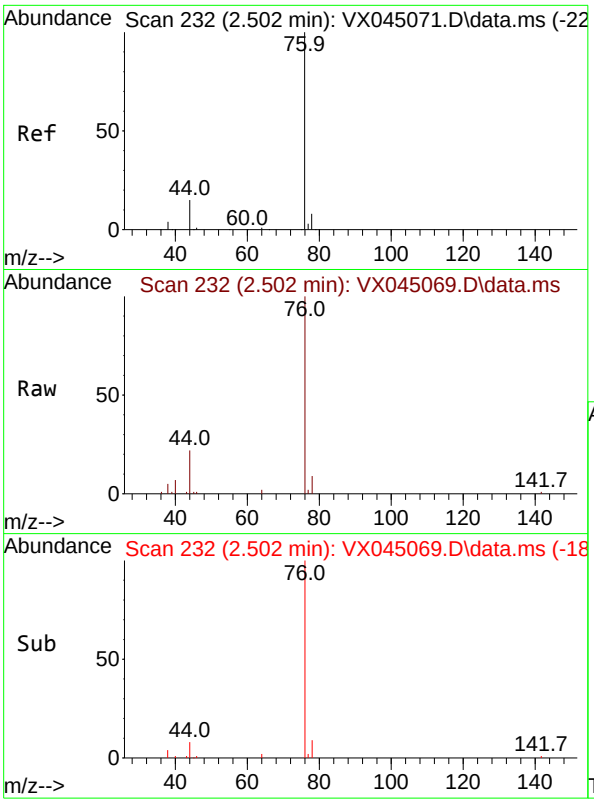


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

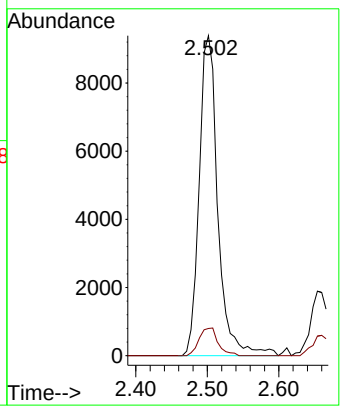
Tgt Ion: 76 Resp: 1698

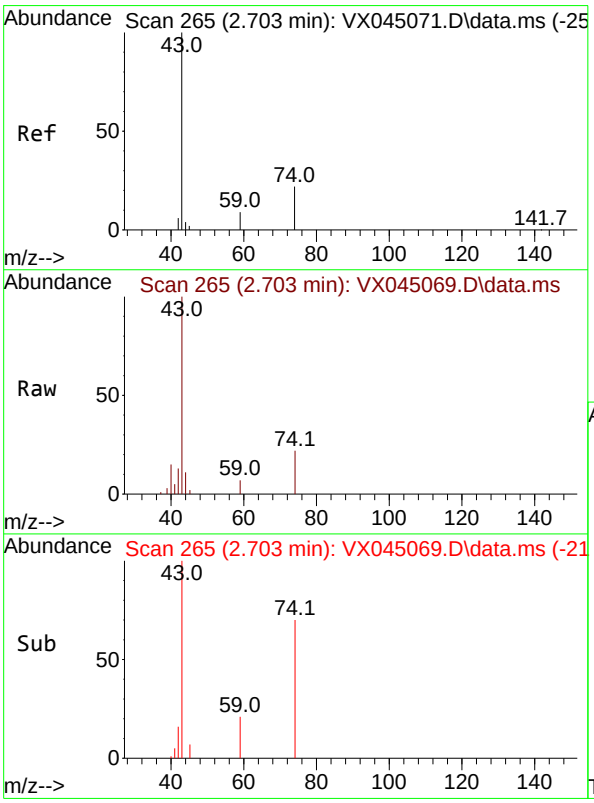
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

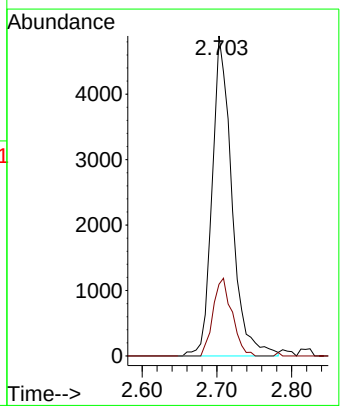


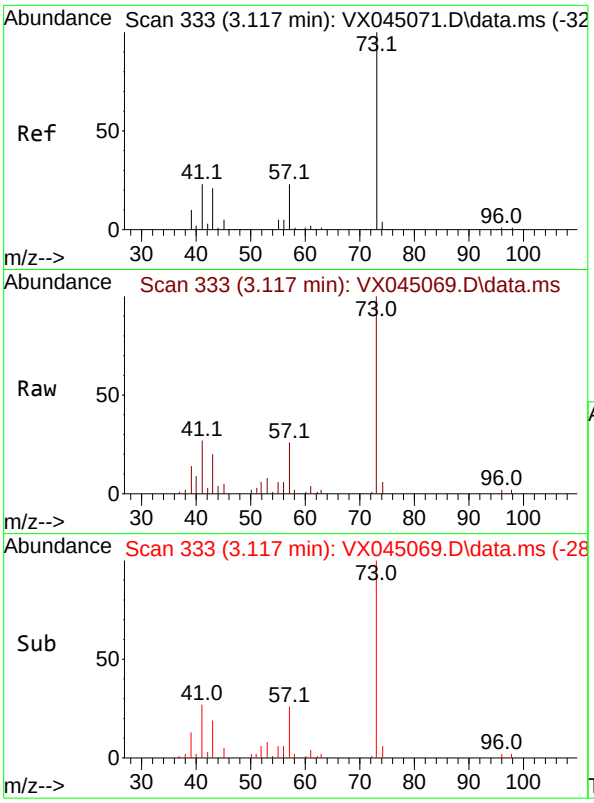


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

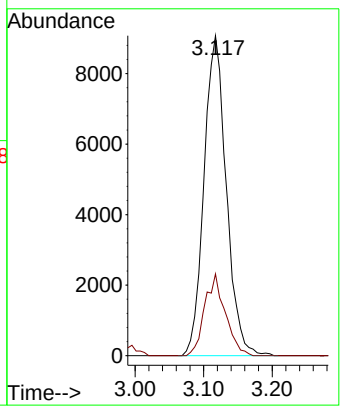
Tgt Ion: 73 Resp: 2054

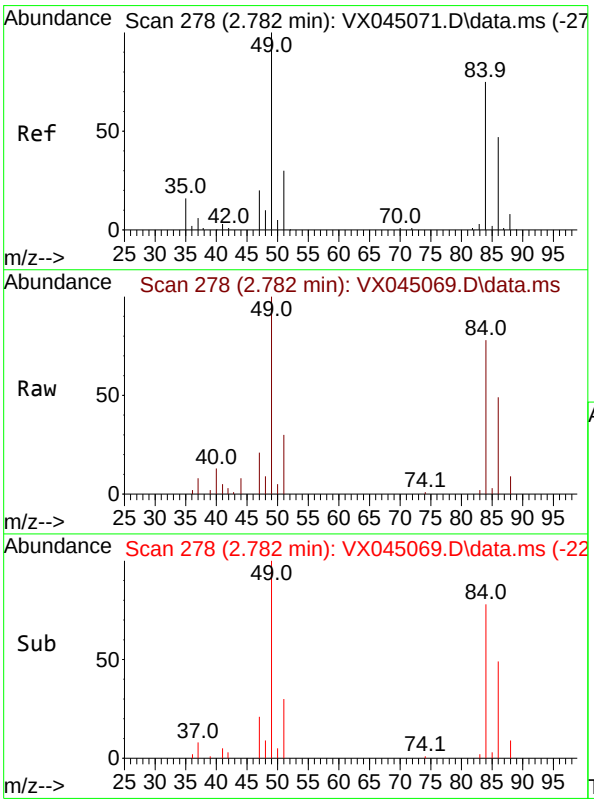
Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

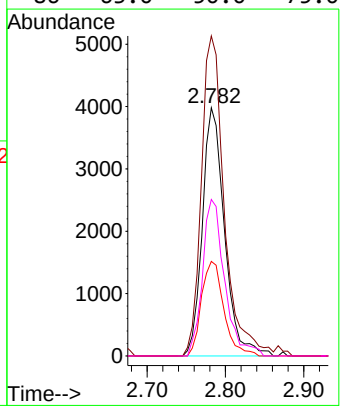


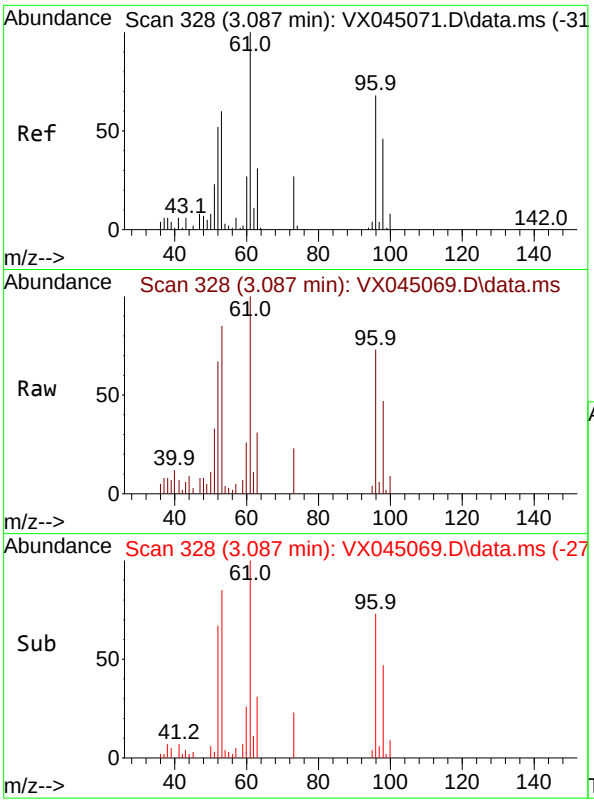


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0

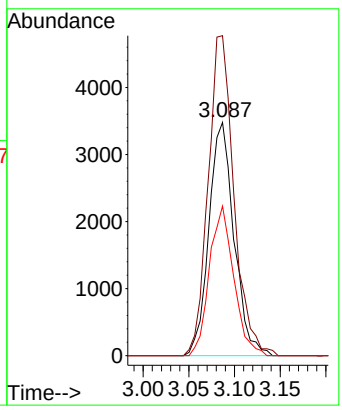




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 665

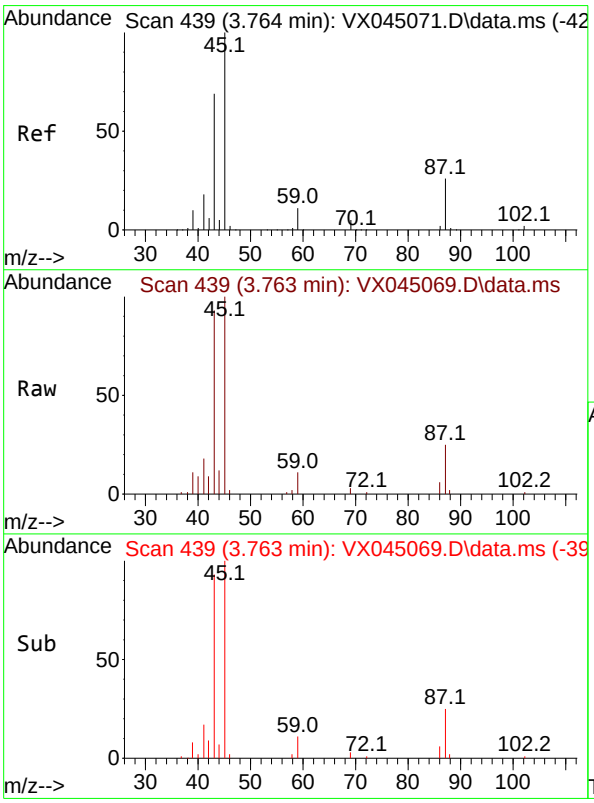
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

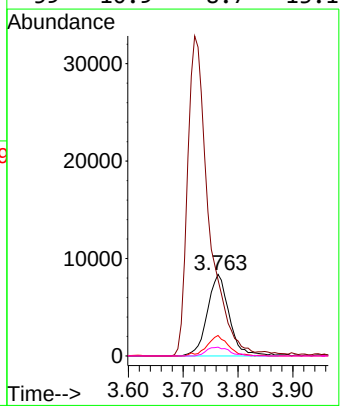
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

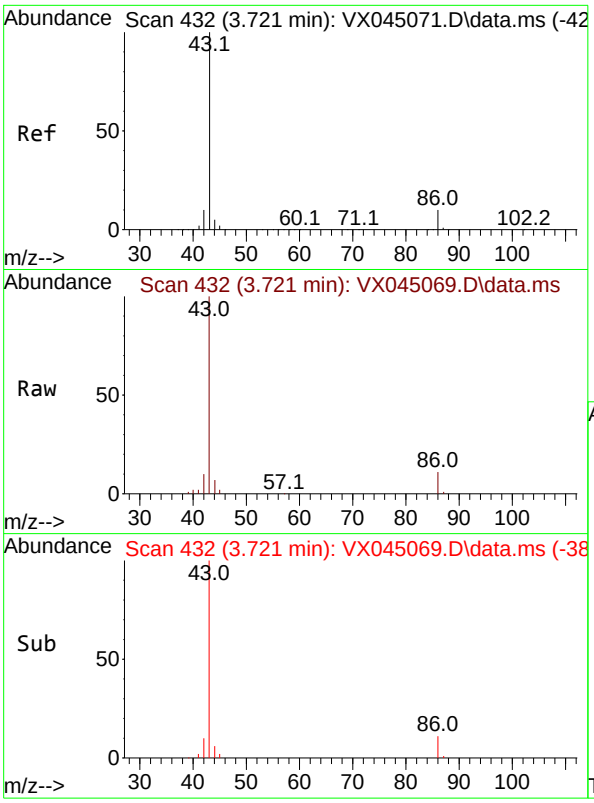


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

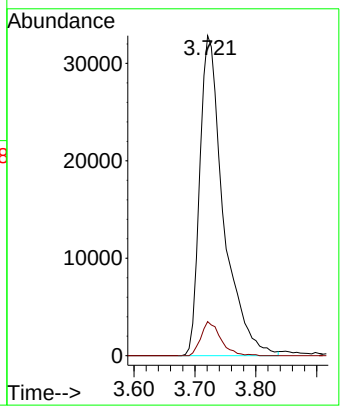
Tgt Ion: 43 Resp: 8885

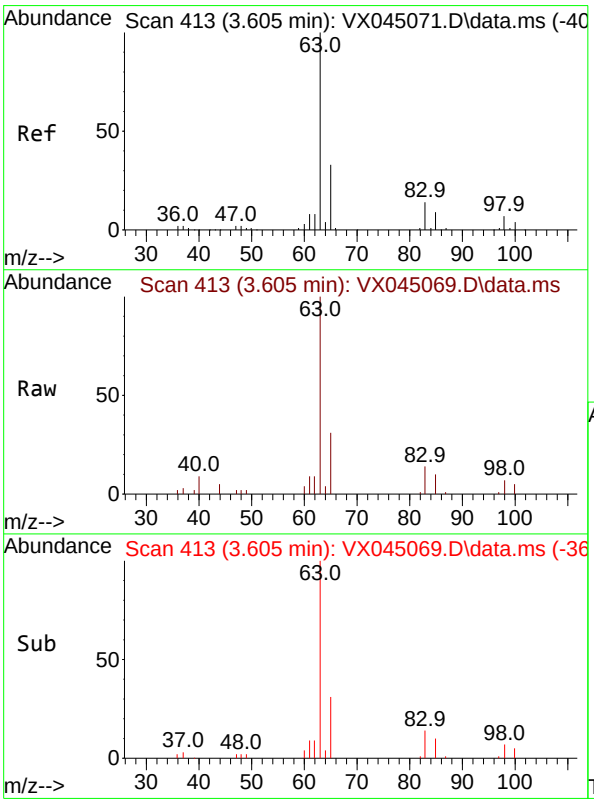
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

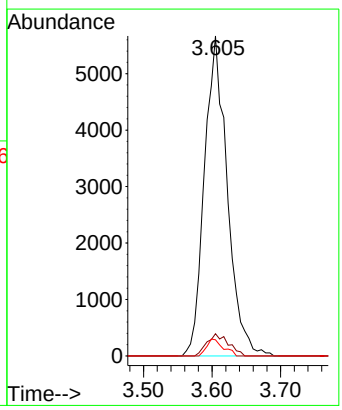


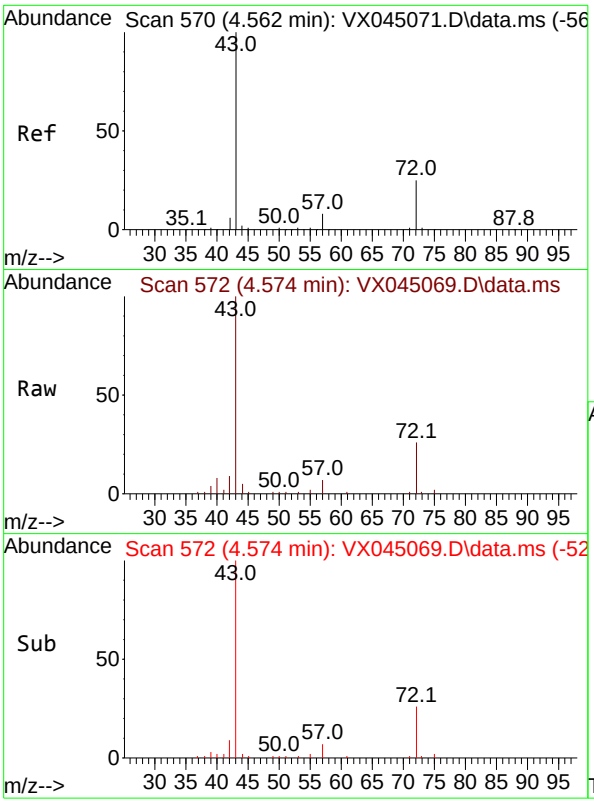


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5

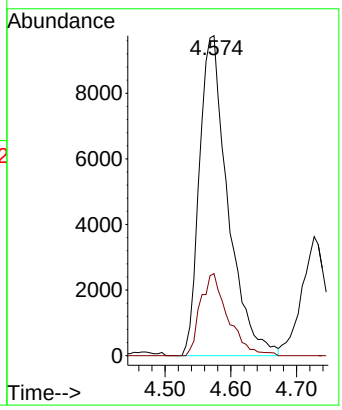




#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 2927

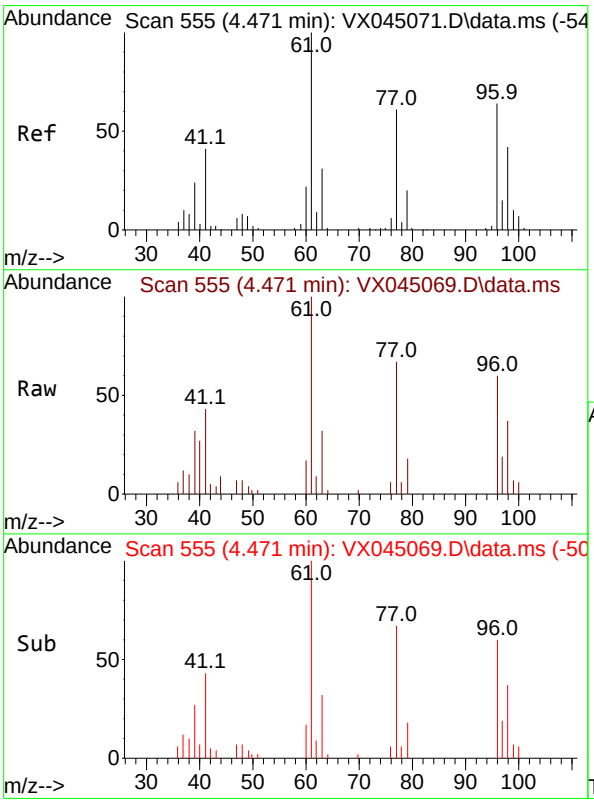
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

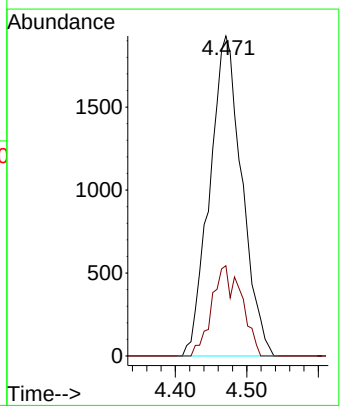
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

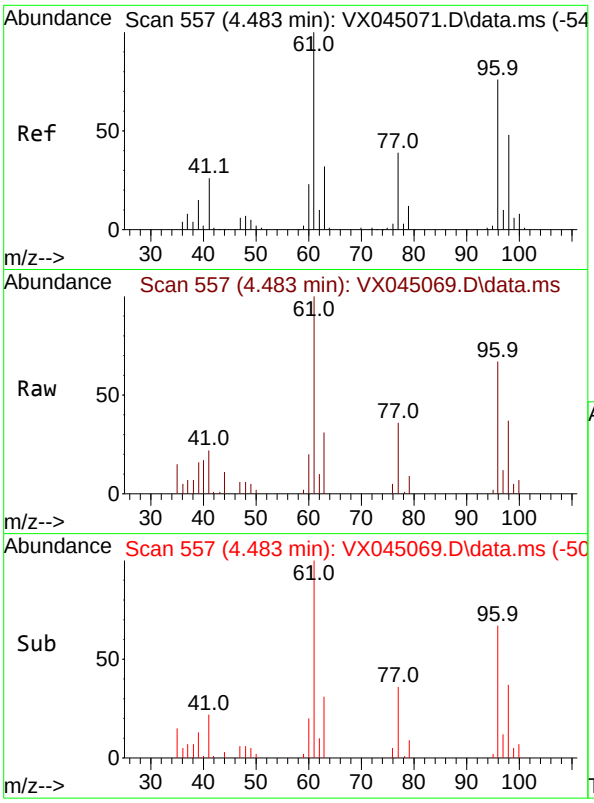


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0

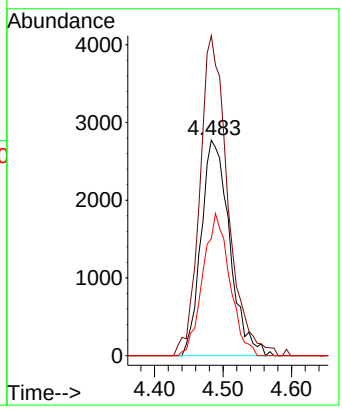




#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 801

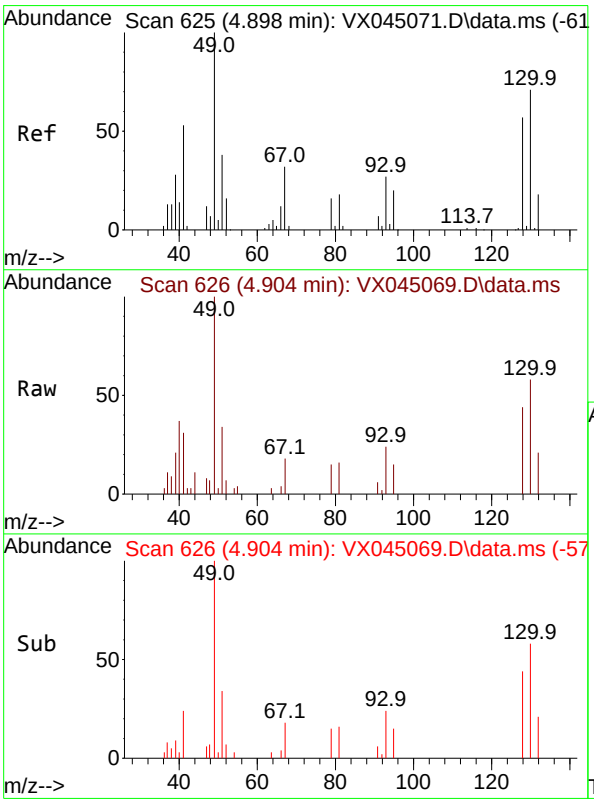
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

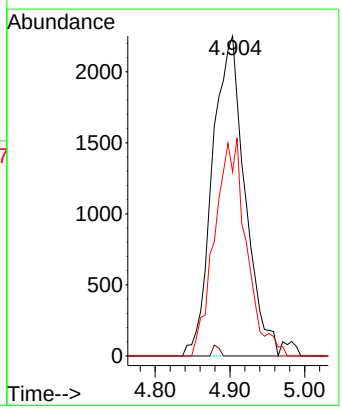
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

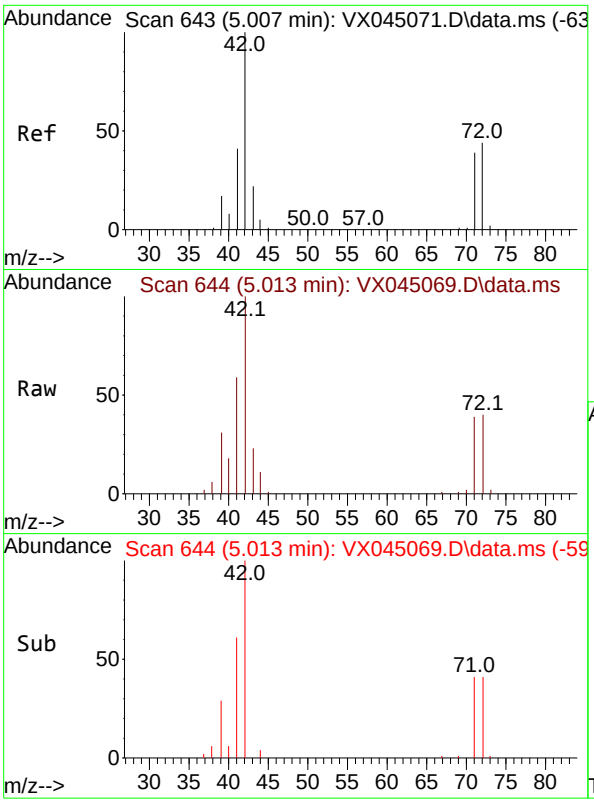


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1





#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

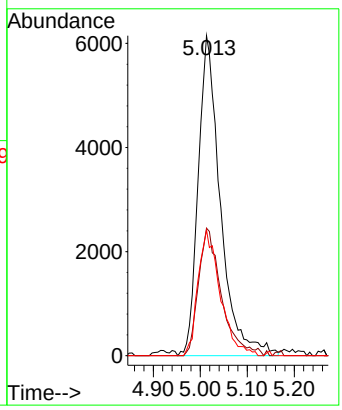
Tgt Ion: 42 Resp: 2018

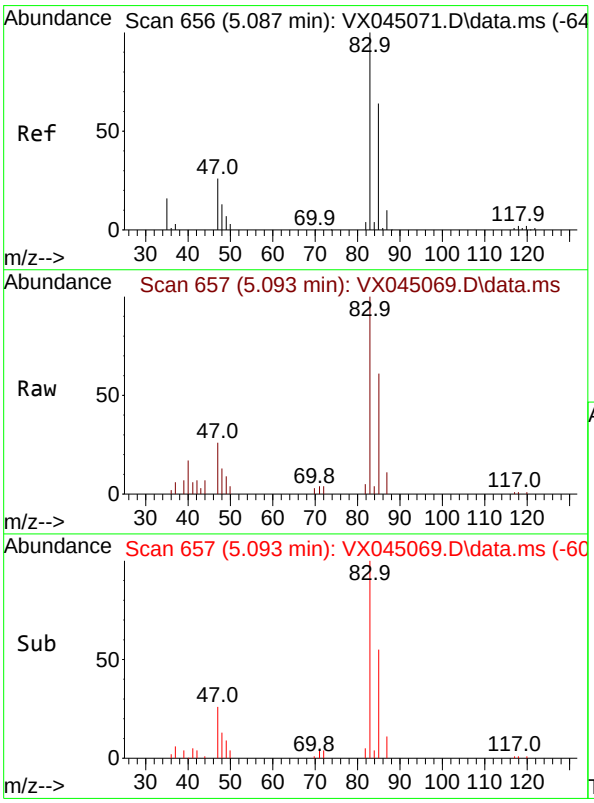
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

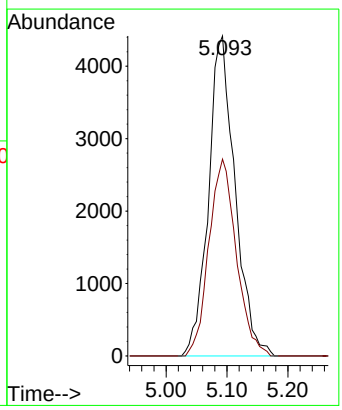


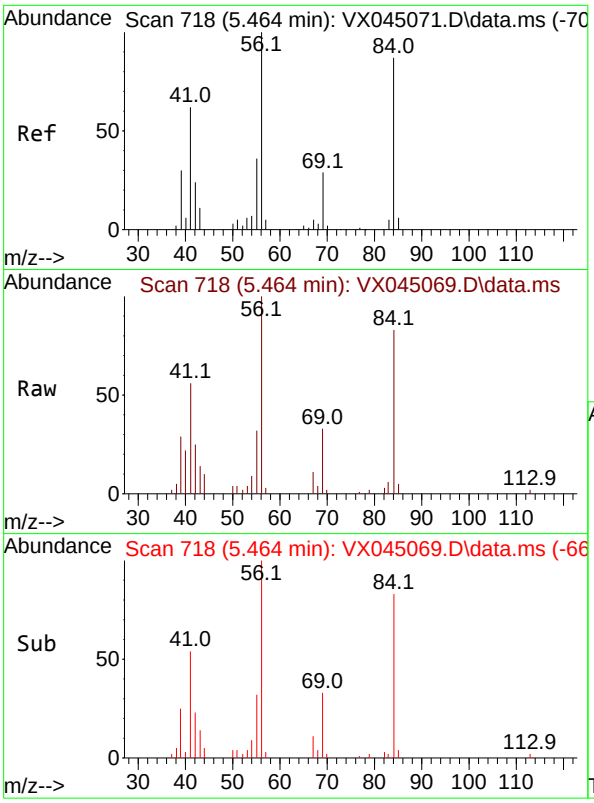


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2

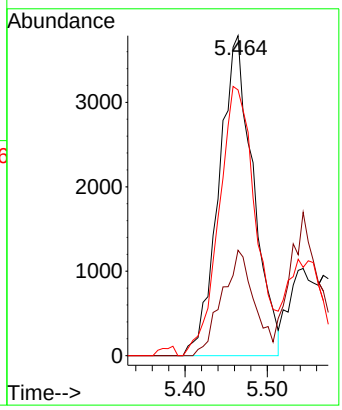




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 1096

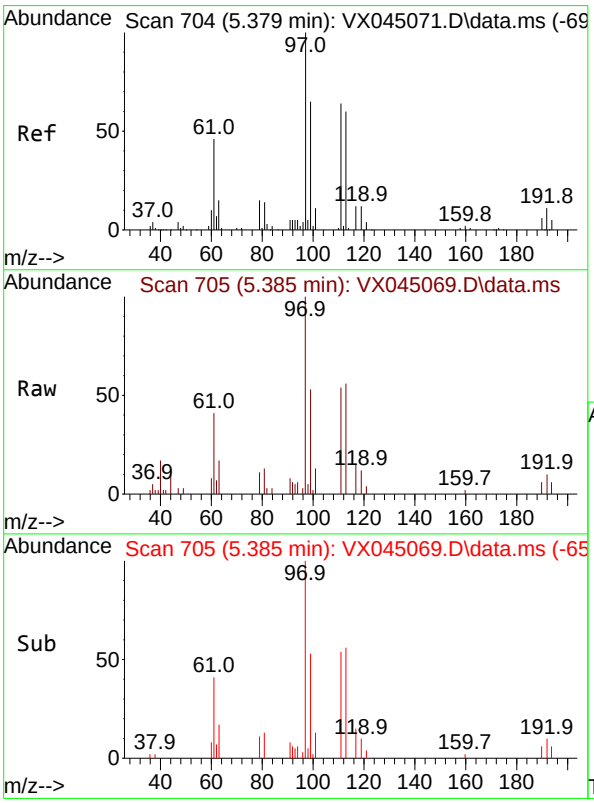
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

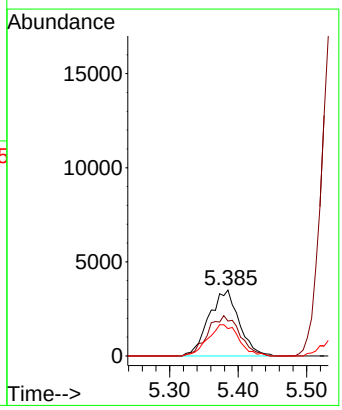
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

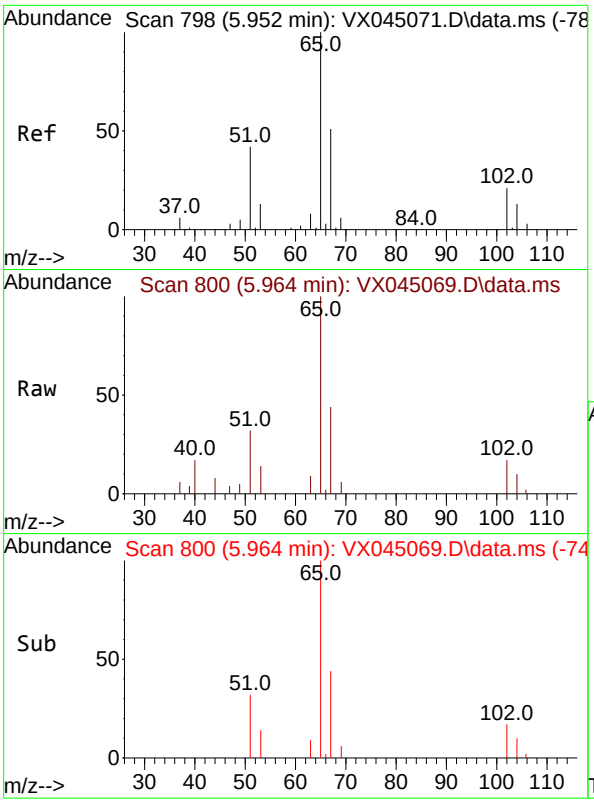


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6

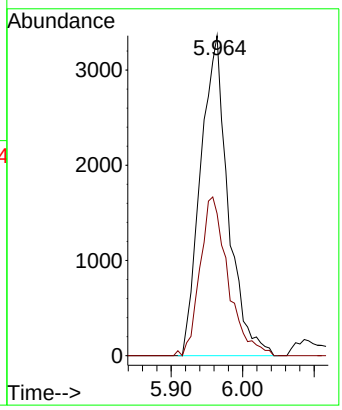




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

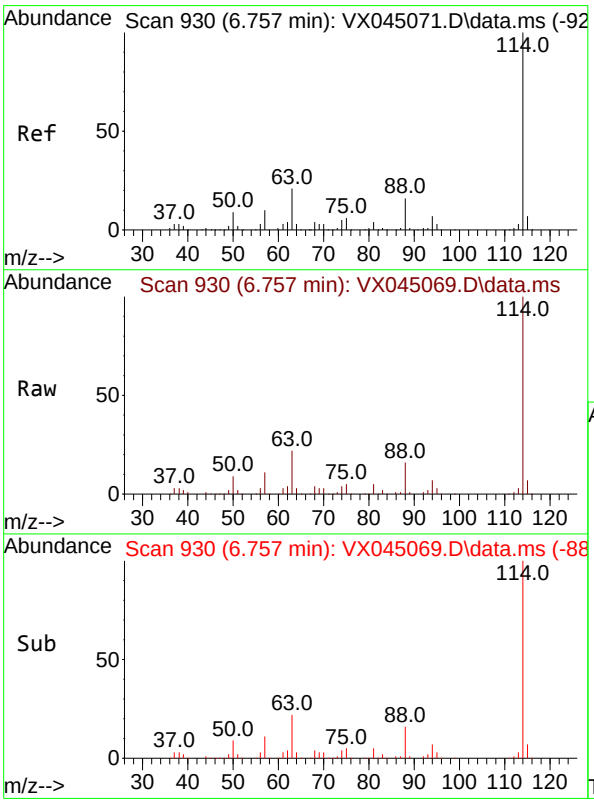
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

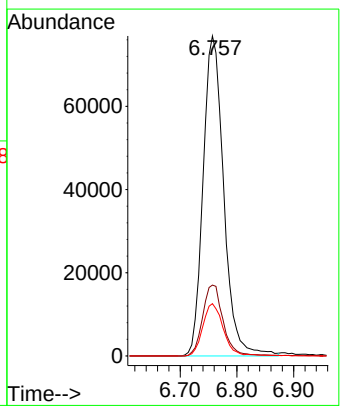
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

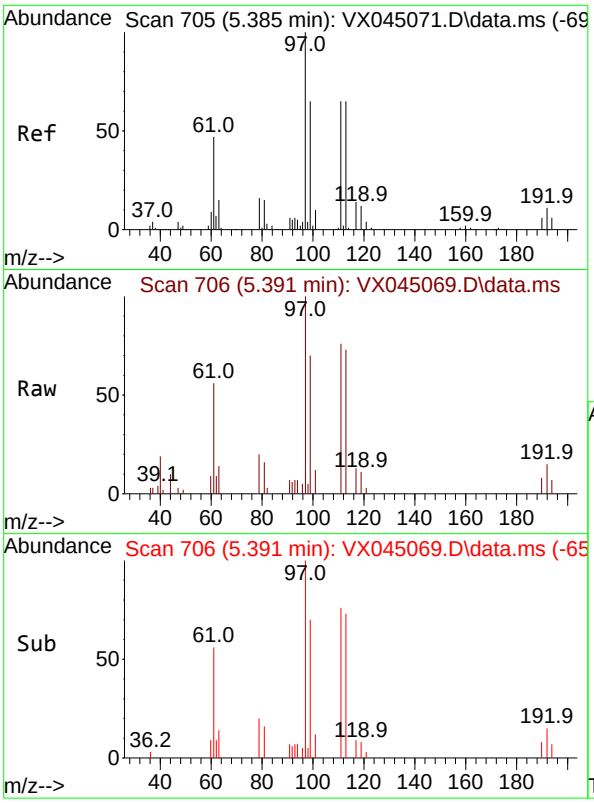


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8

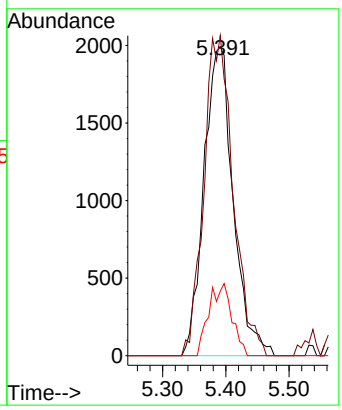




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

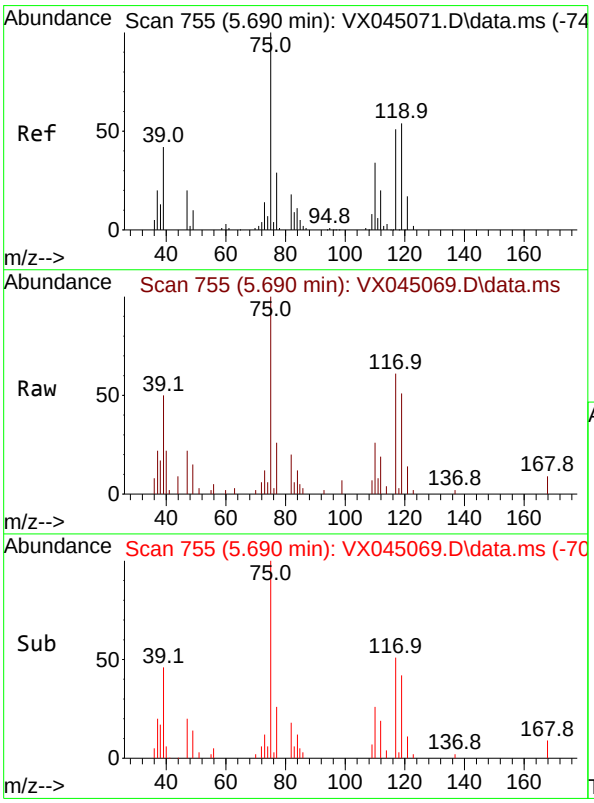
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

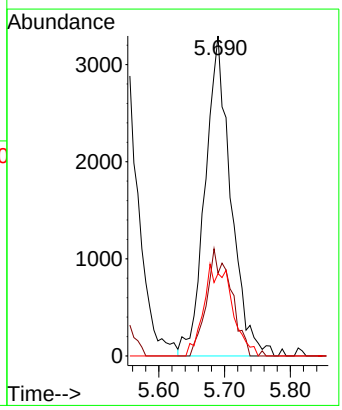
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

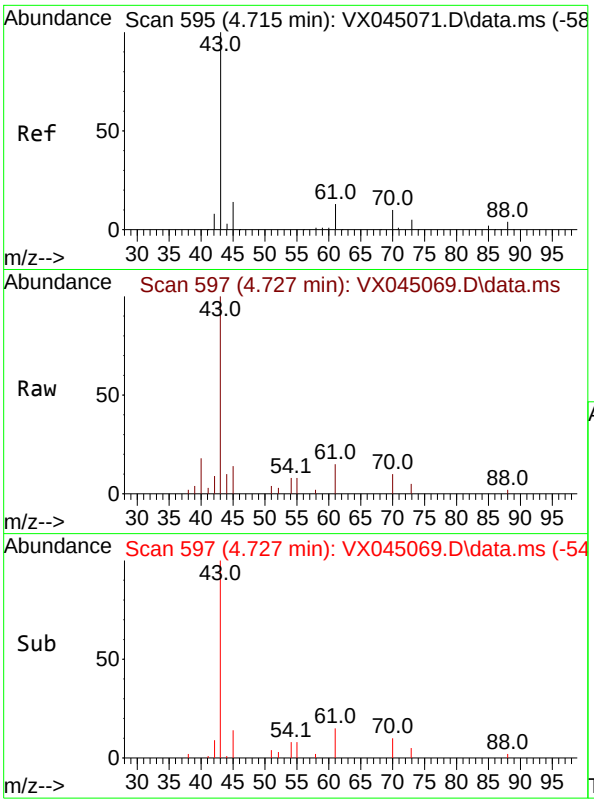


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#

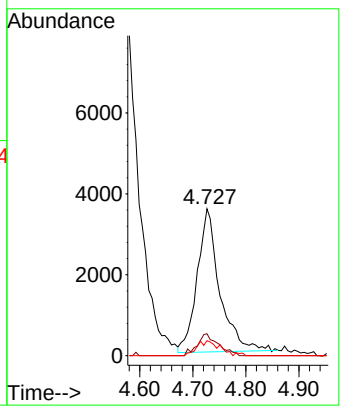




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

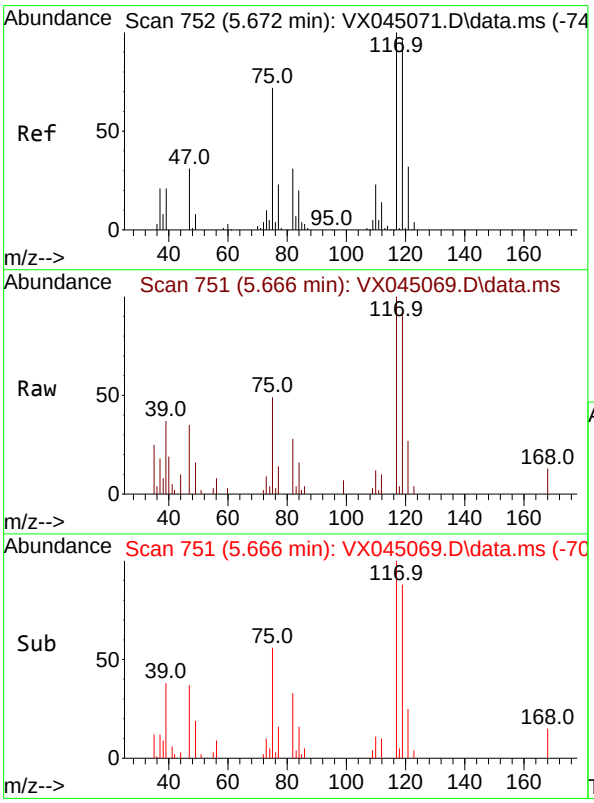
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

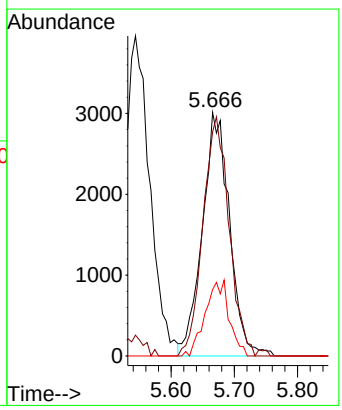
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

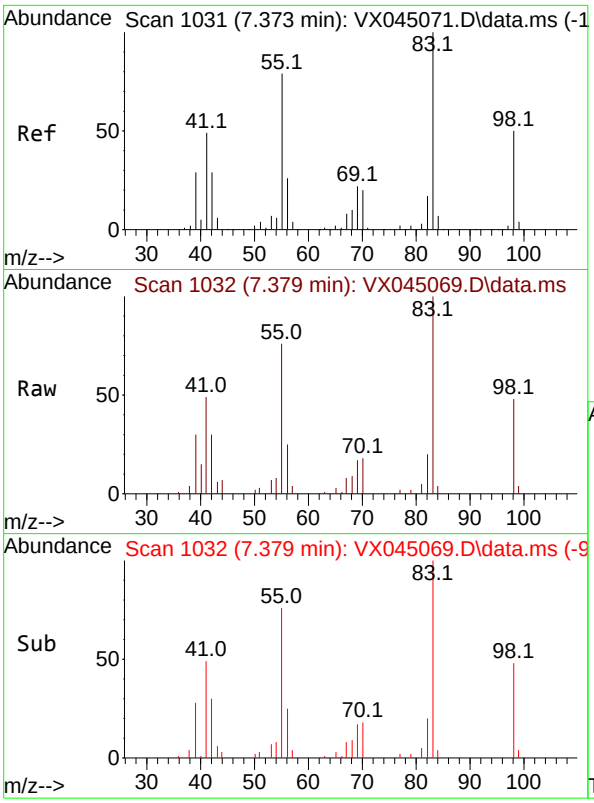


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3

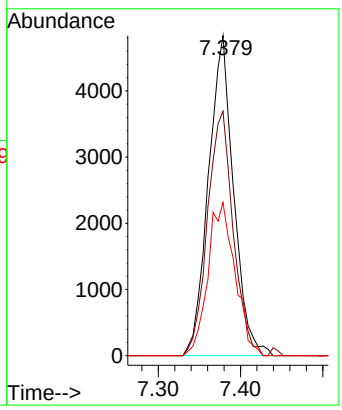




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

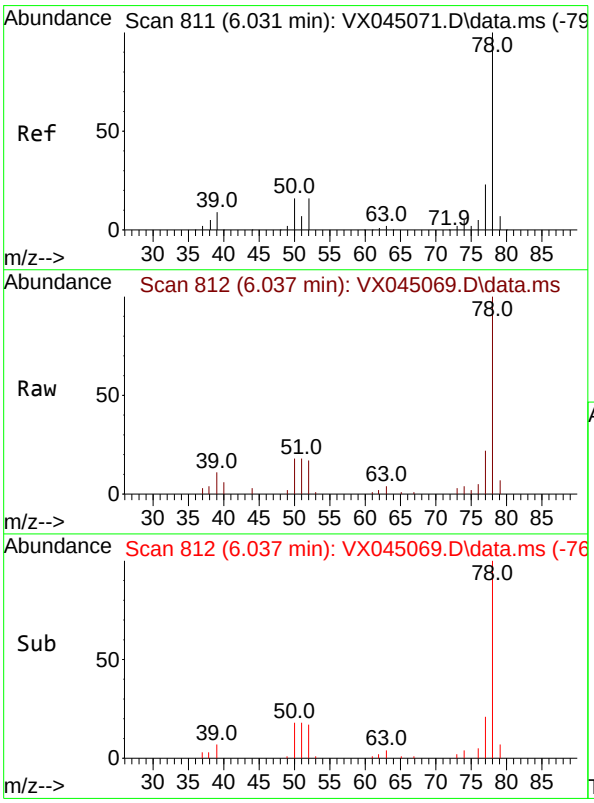
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

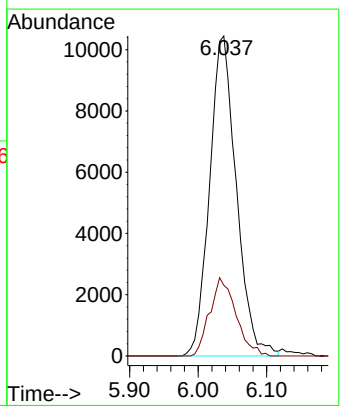
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

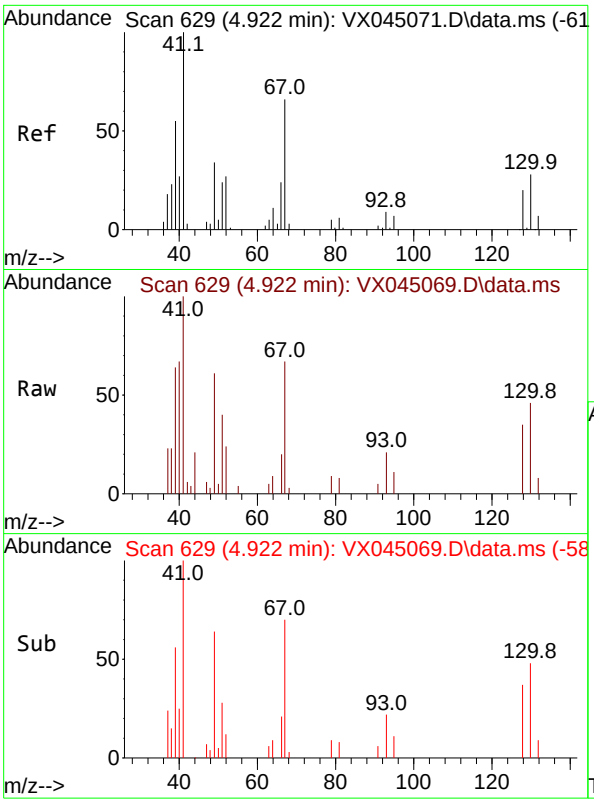


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2

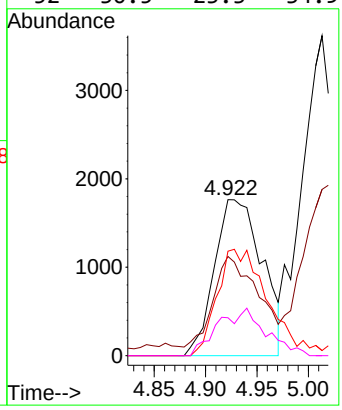




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 570

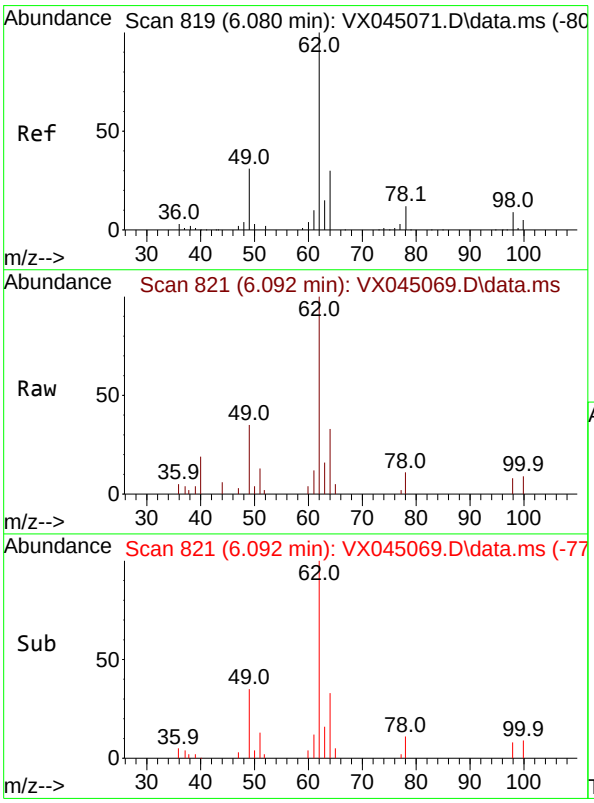
Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

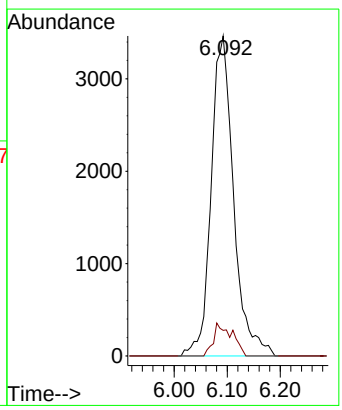
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

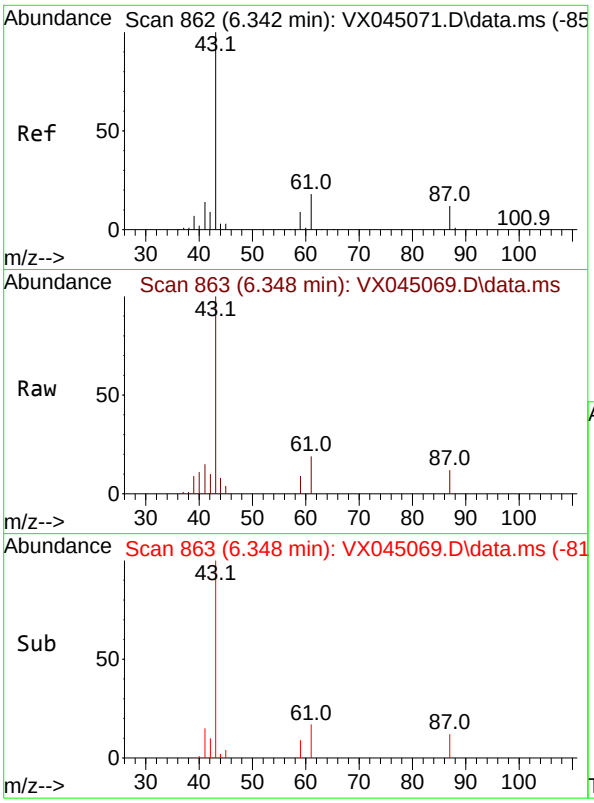


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

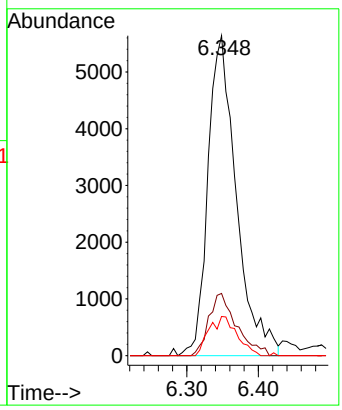




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1554

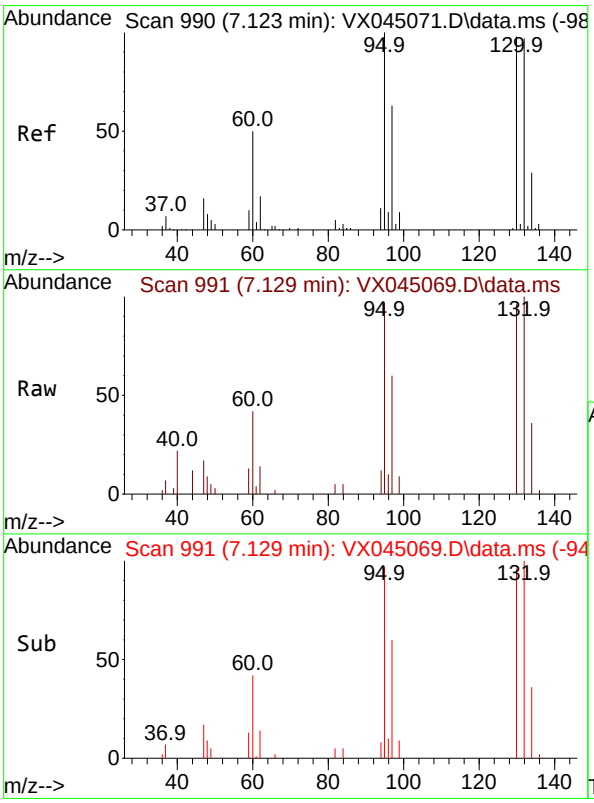
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

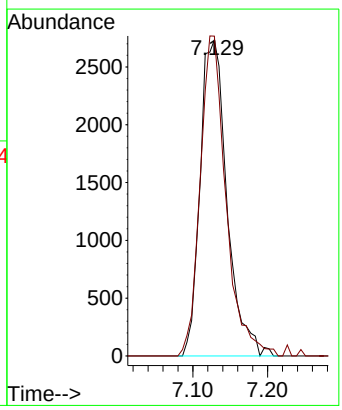
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

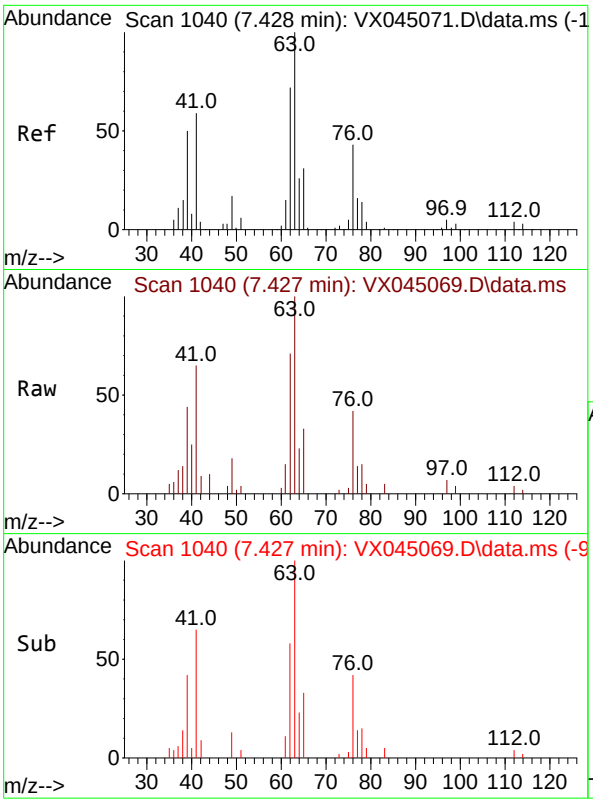


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0





#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

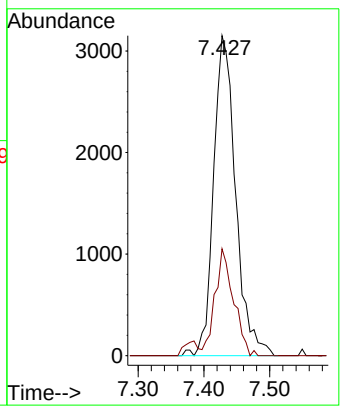
Tgt Ion: 63 Resp: 734

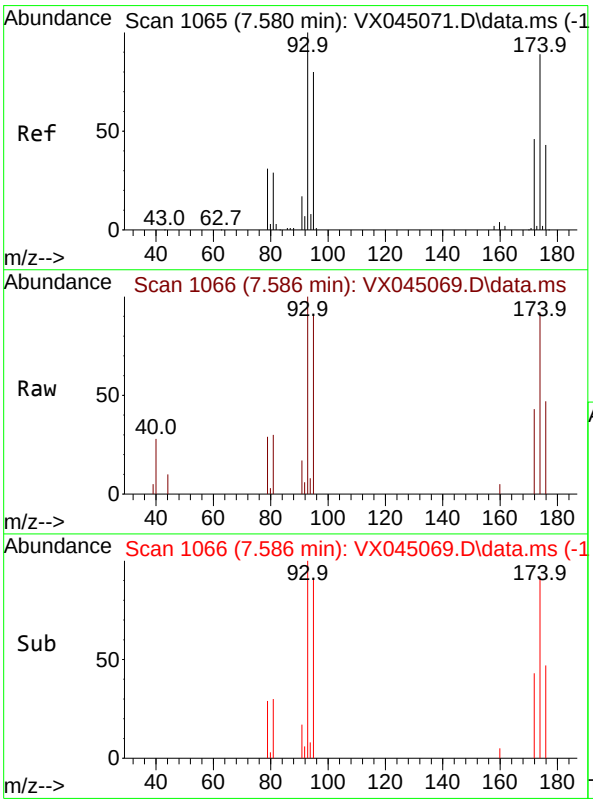
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

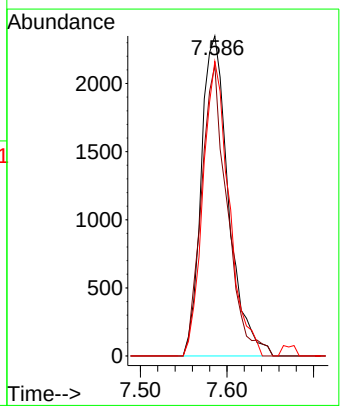


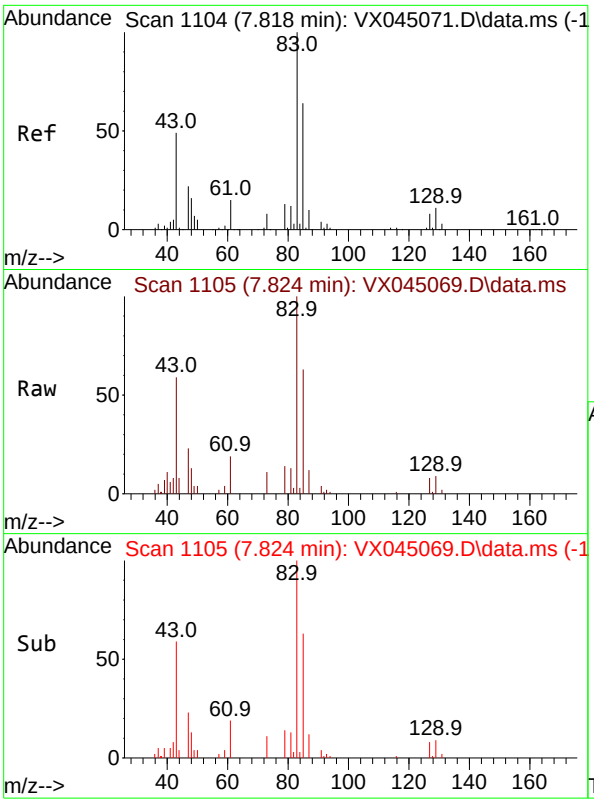


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2

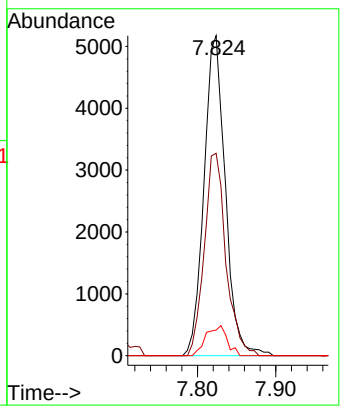




#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 977

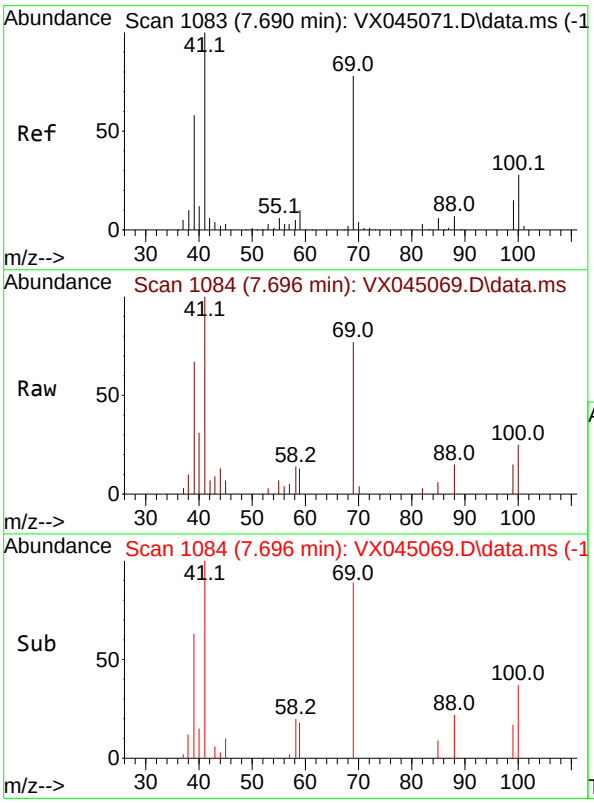
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

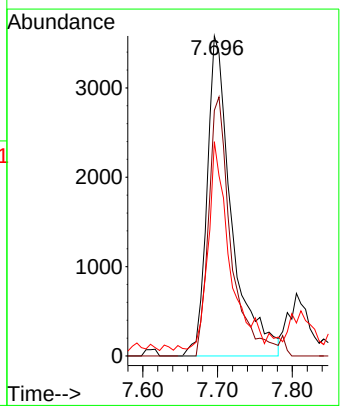
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

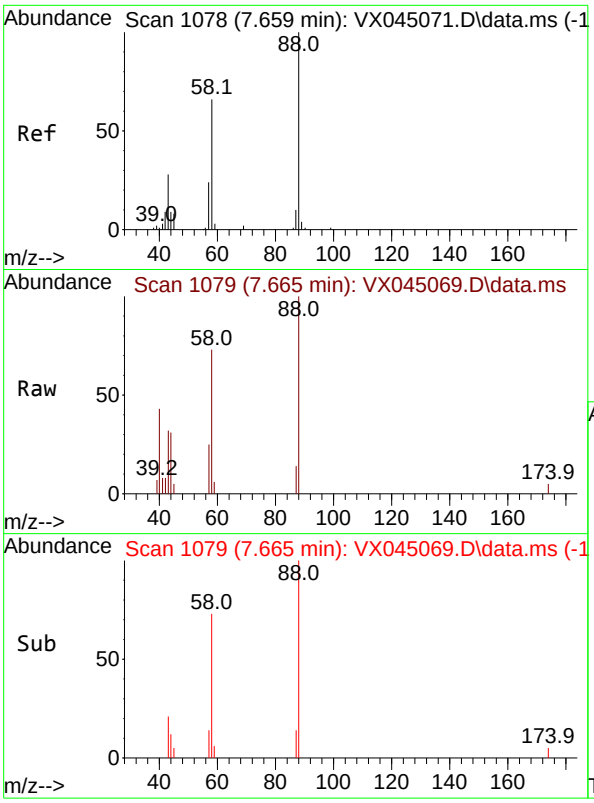


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3

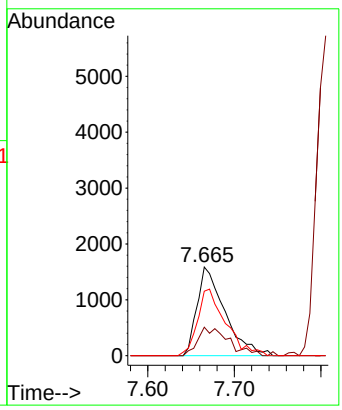




#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 88 Resp: 353

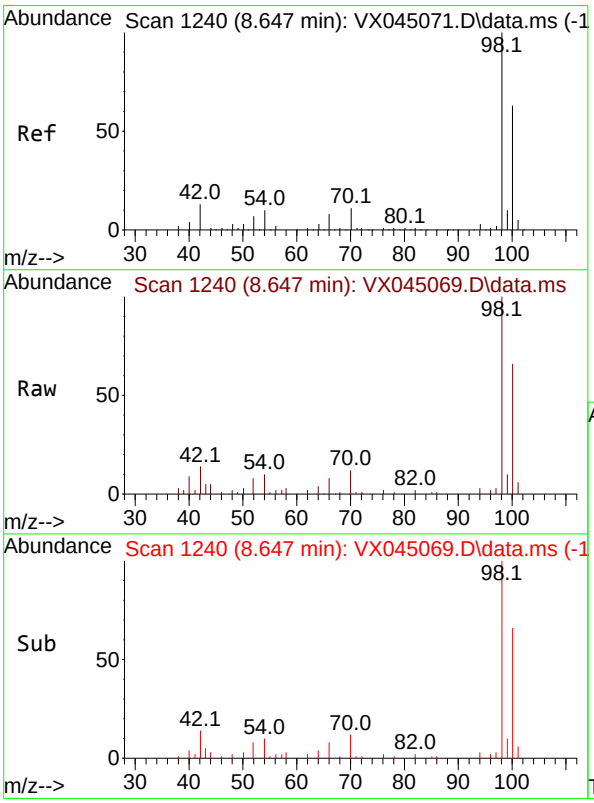
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

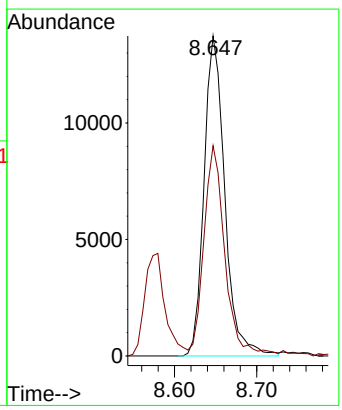
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

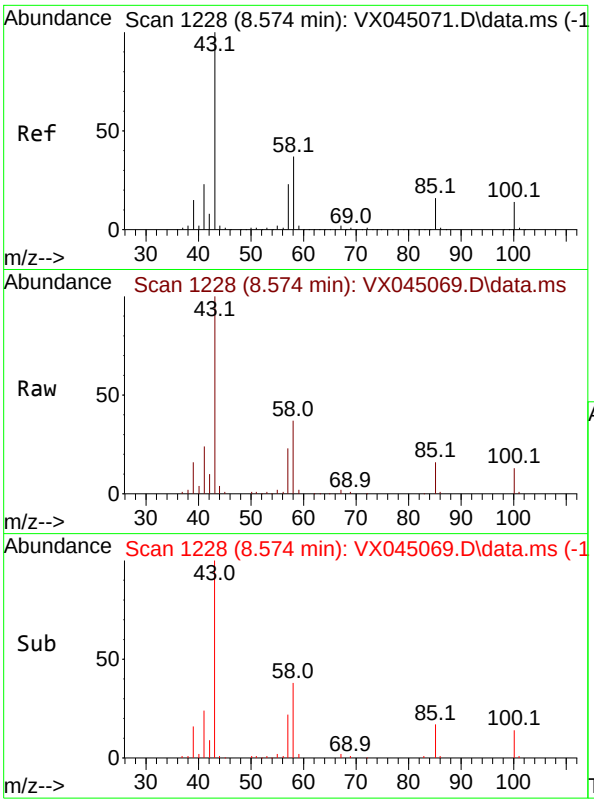


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

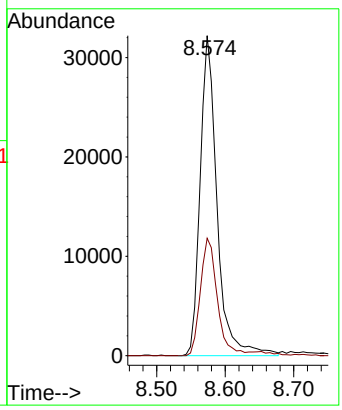




#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 5532

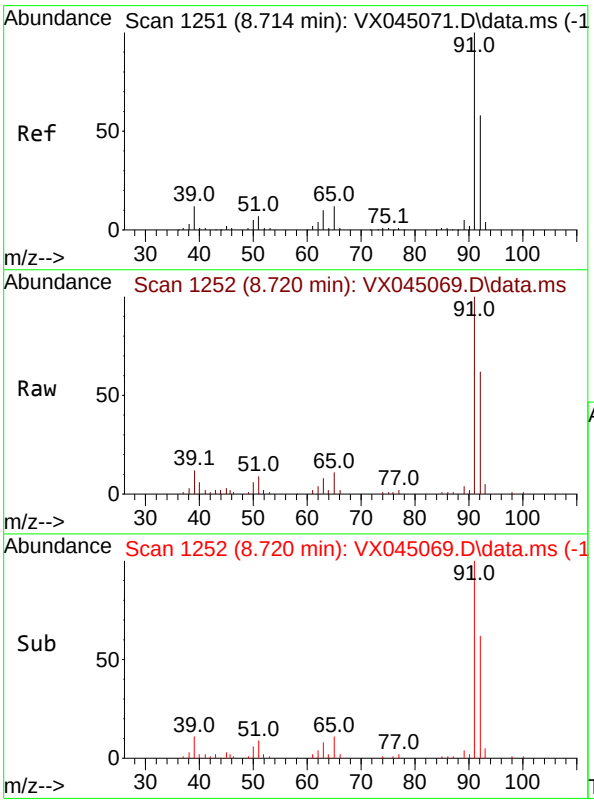
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

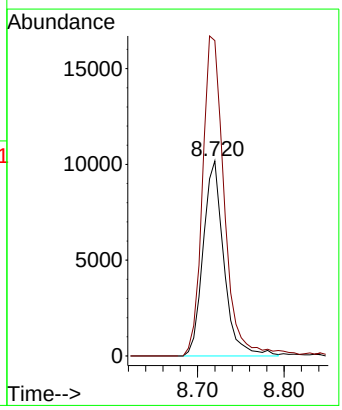
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

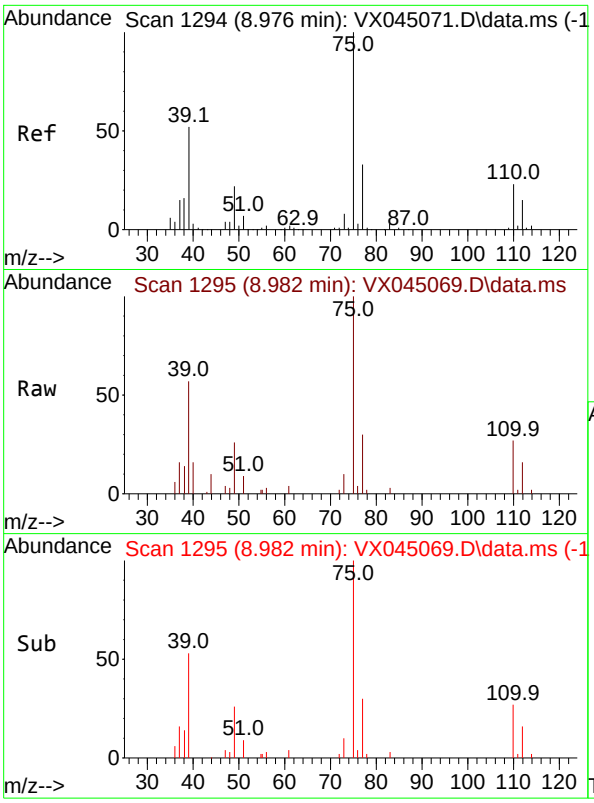


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

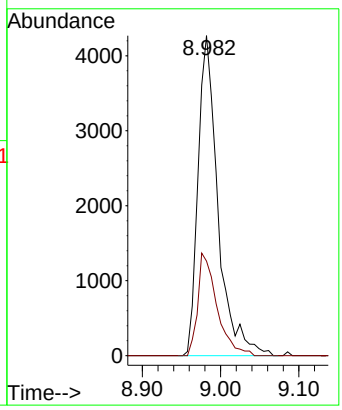




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

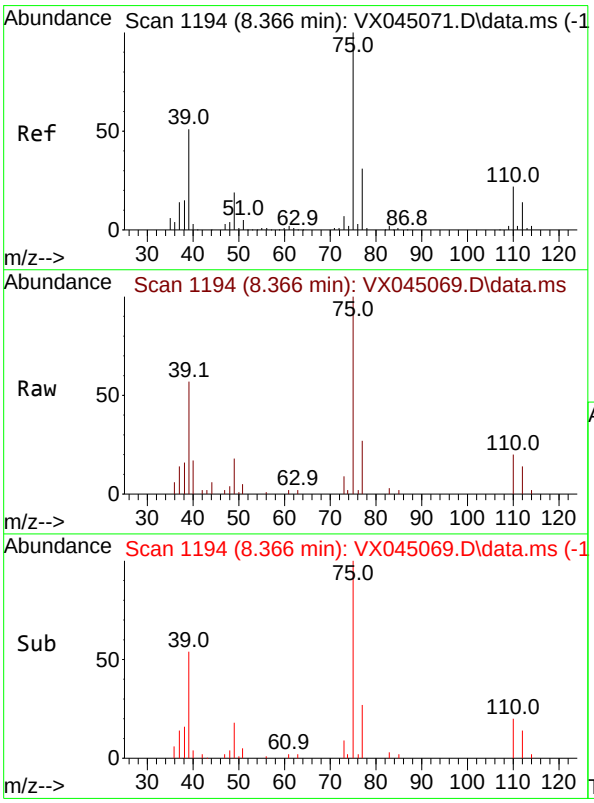
Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

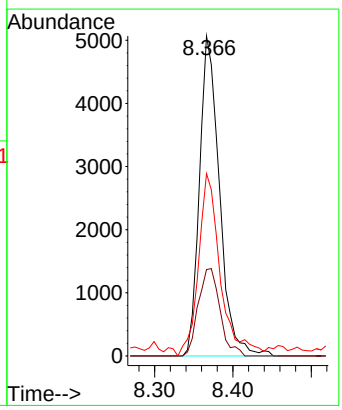
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

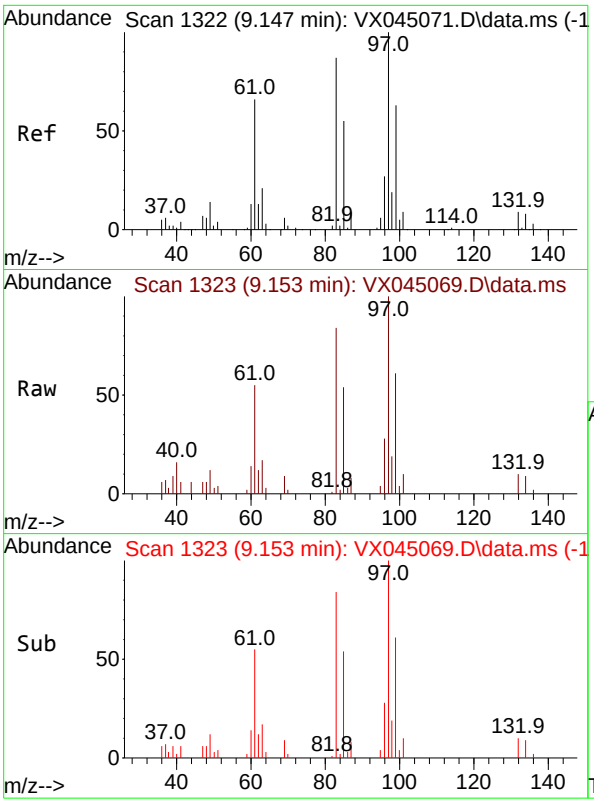


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1

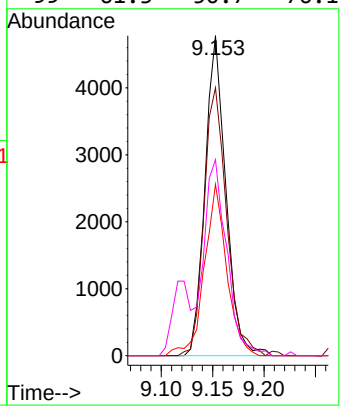




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

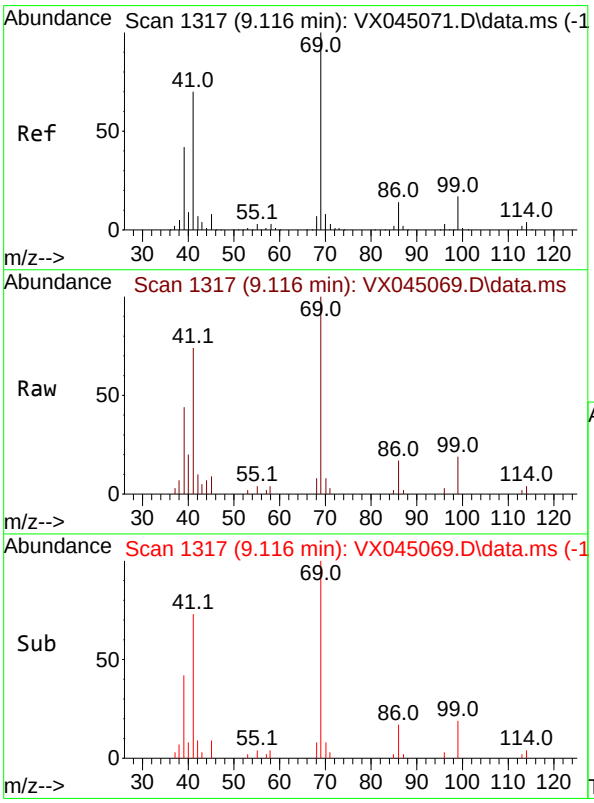
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

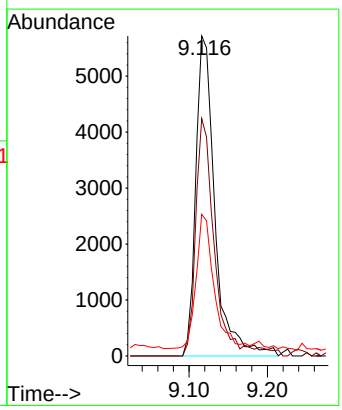
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

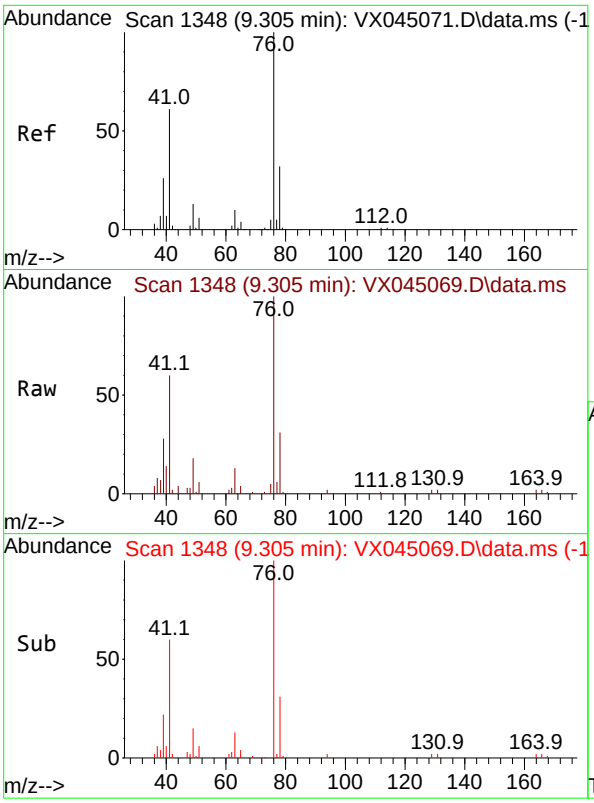


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4

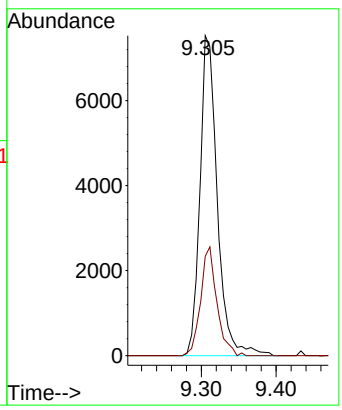




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

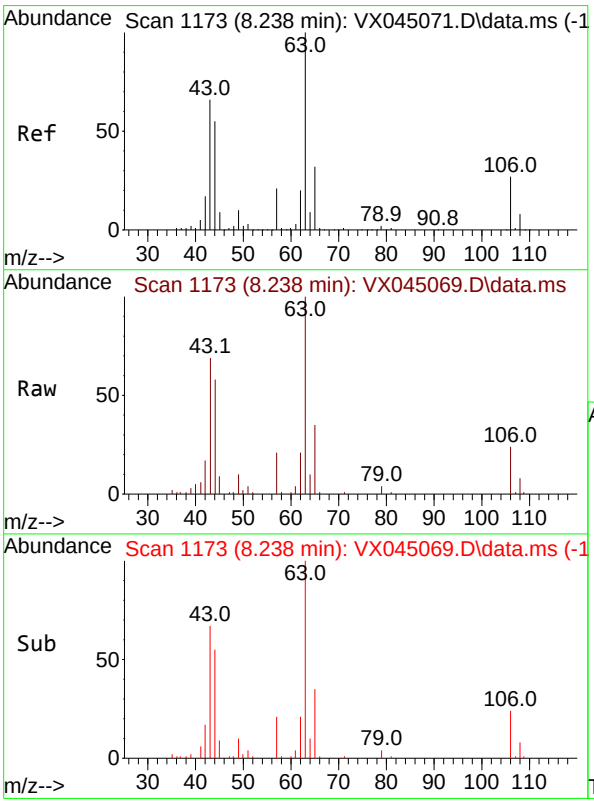
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

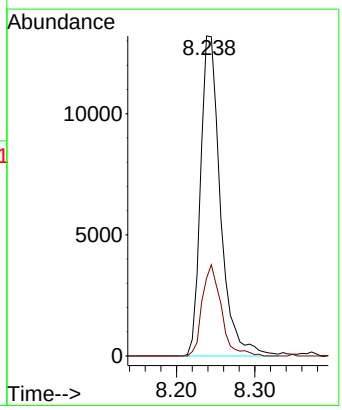
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

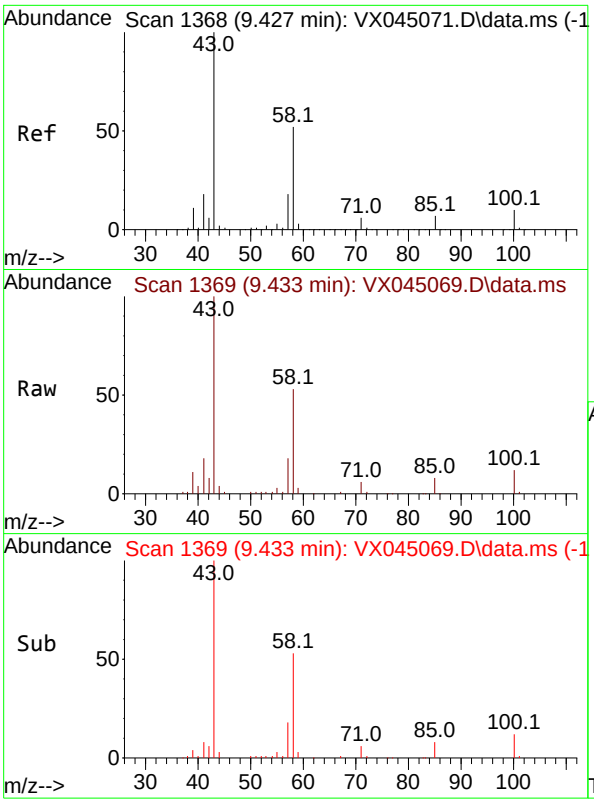


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3





#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

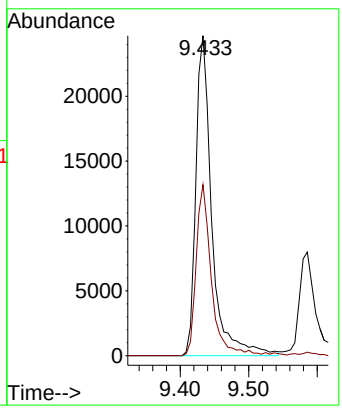
Tgt Ion: 43 Resp: 3999

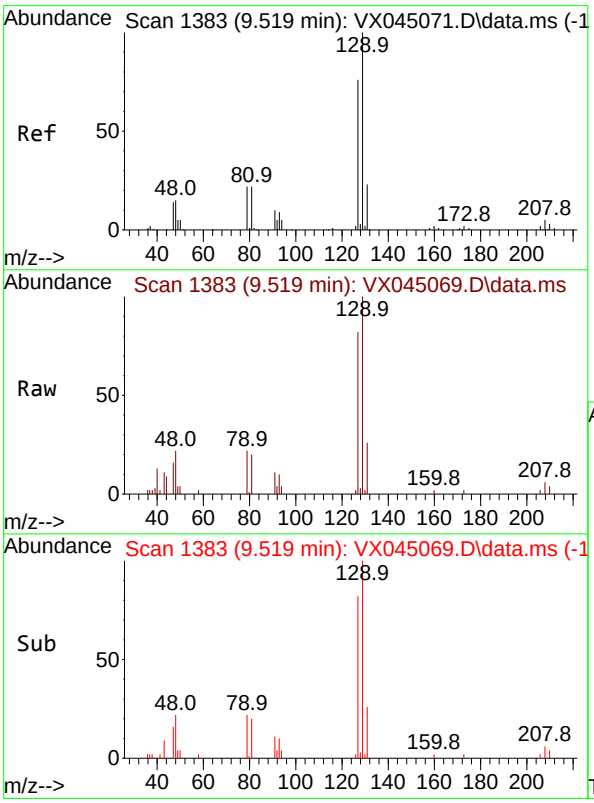
Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

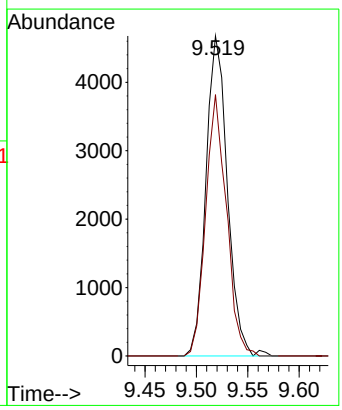


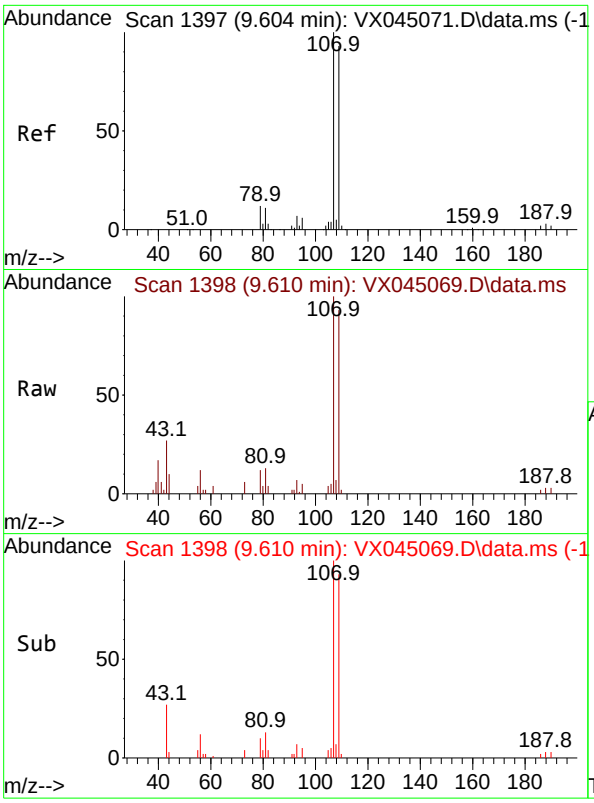


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5

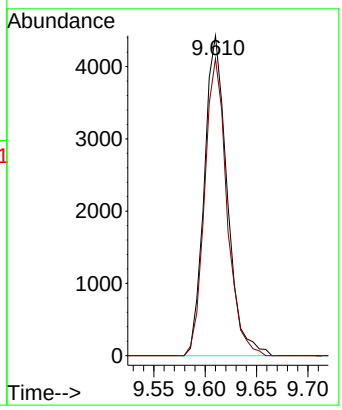




#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:107 Resp: 683

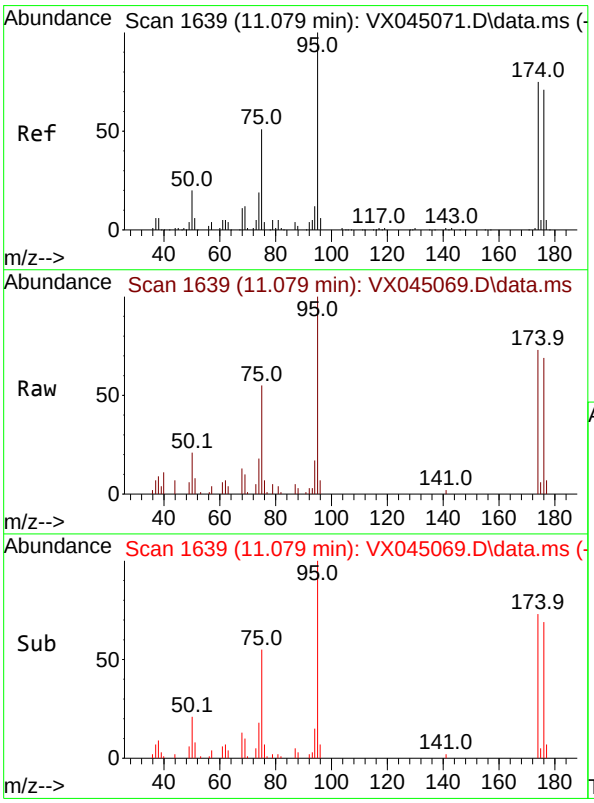
Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

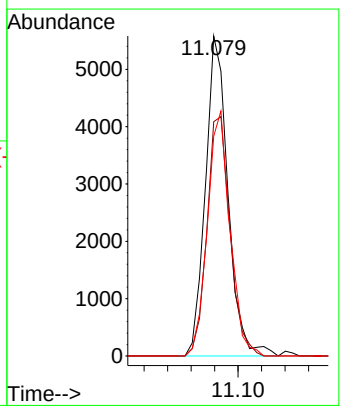
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

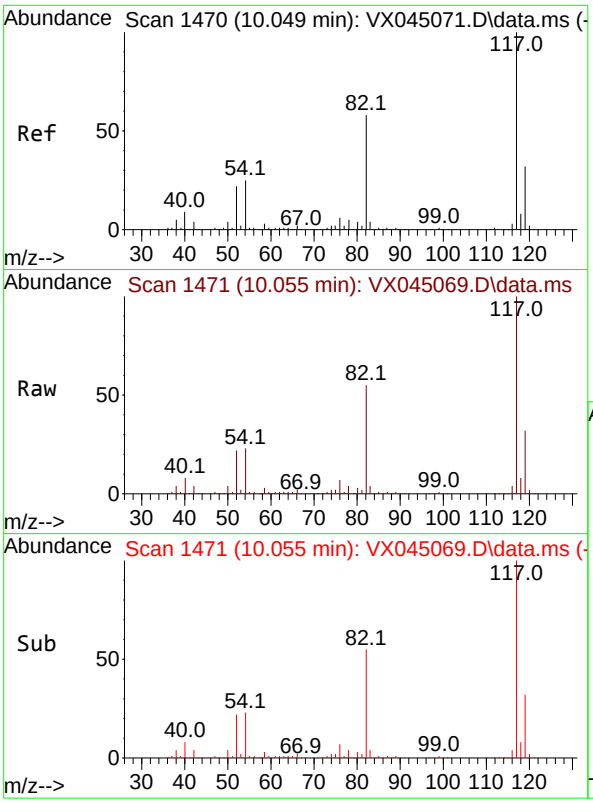


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4

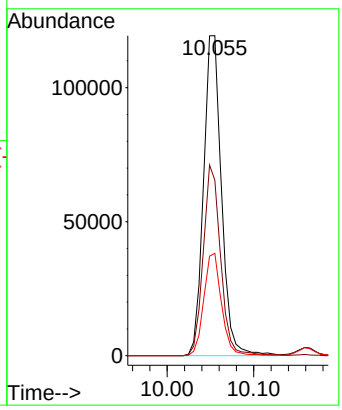




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

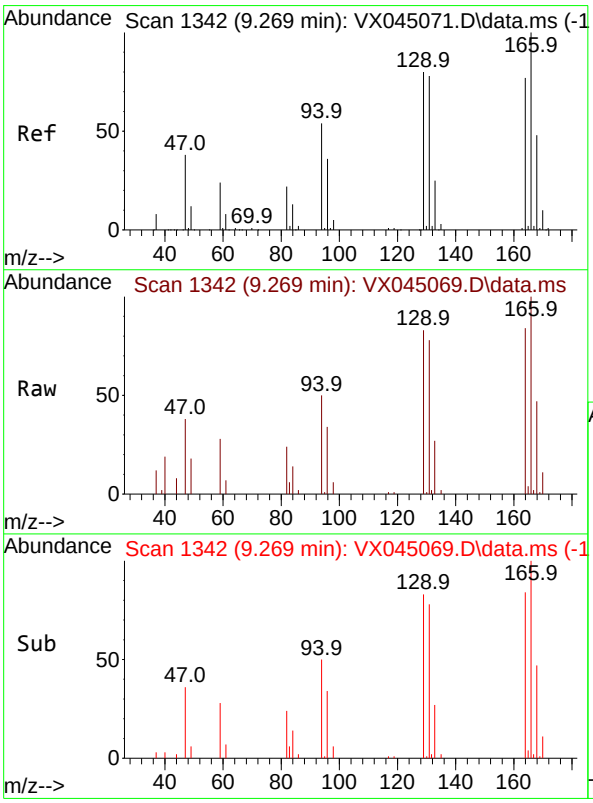
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

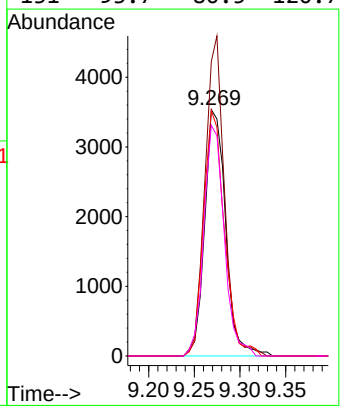
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

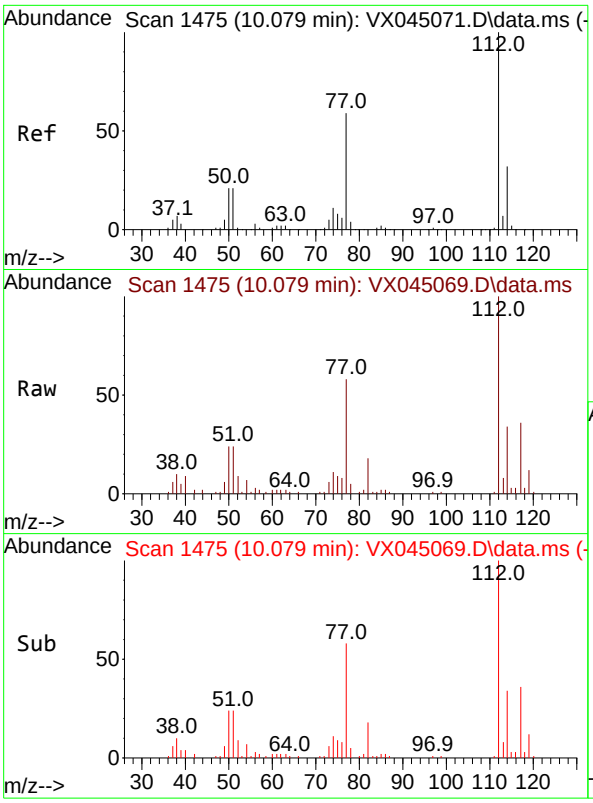


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7

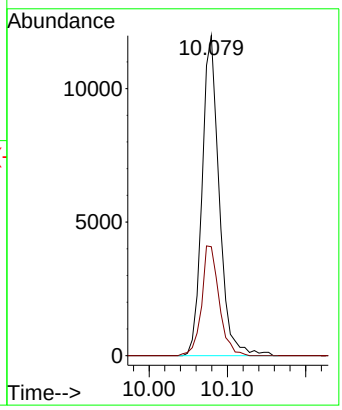




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

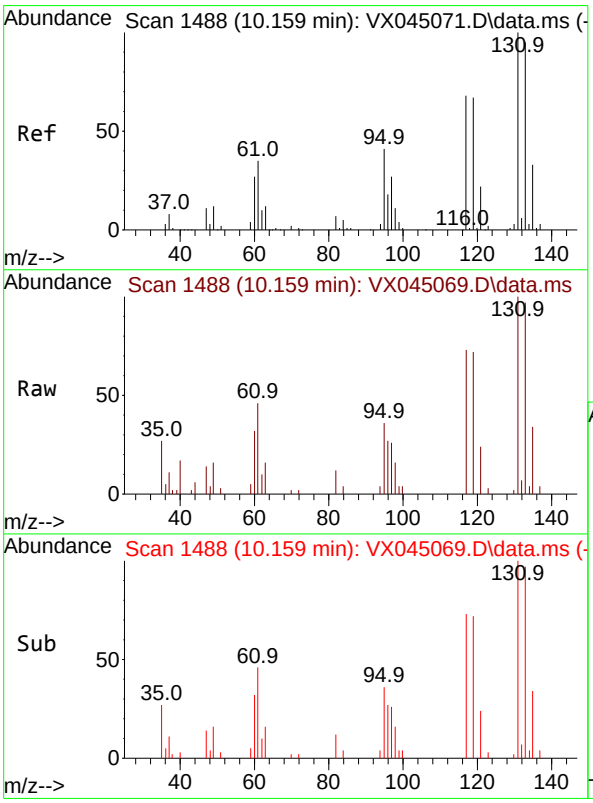
Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

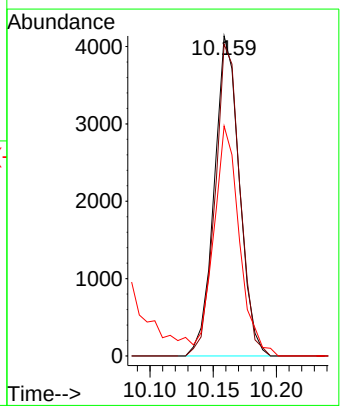
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

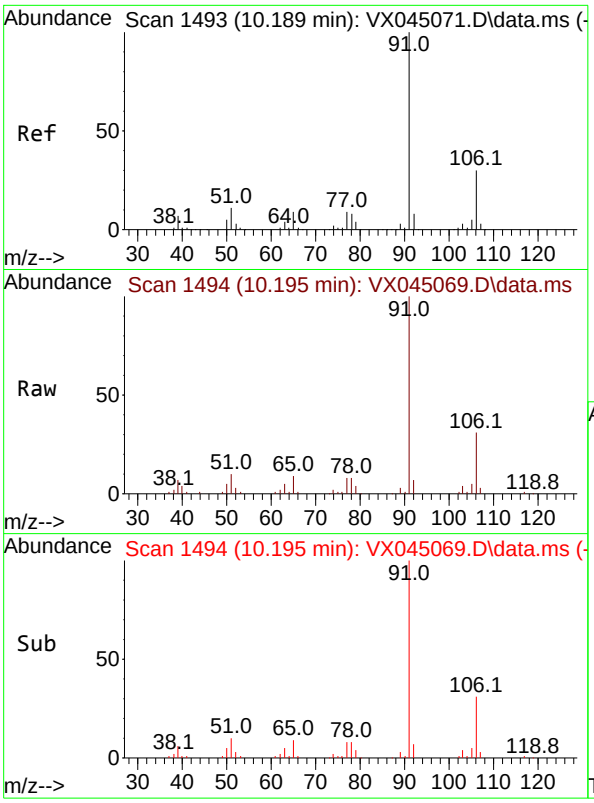


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7

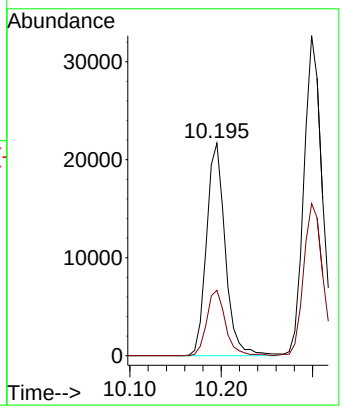




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

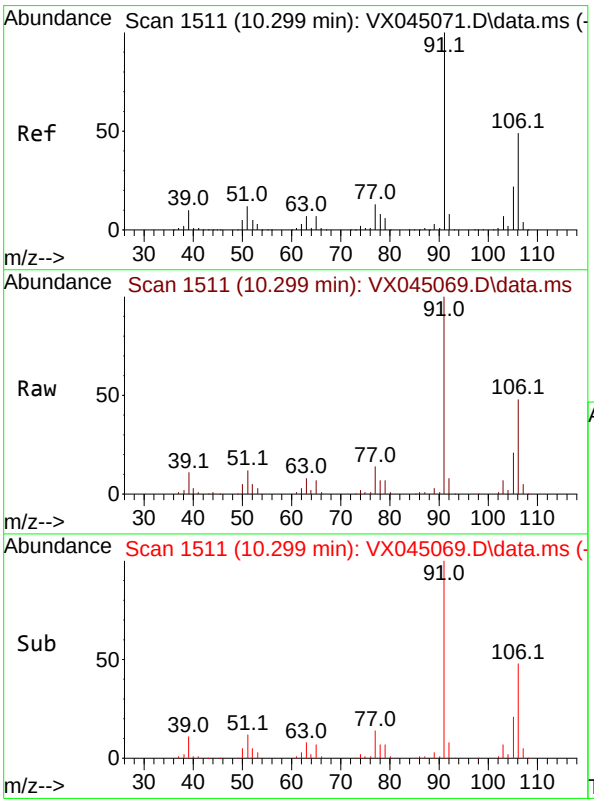
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

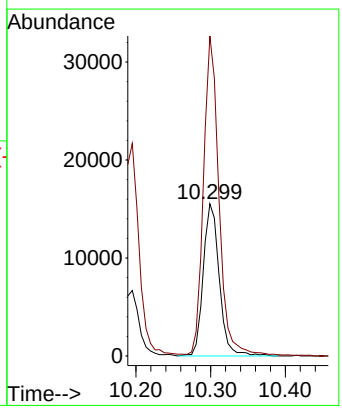
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

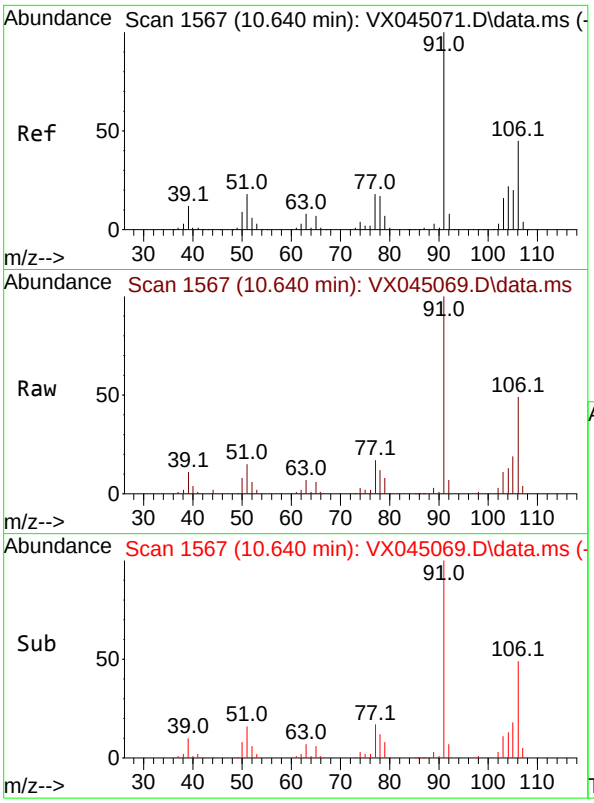


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

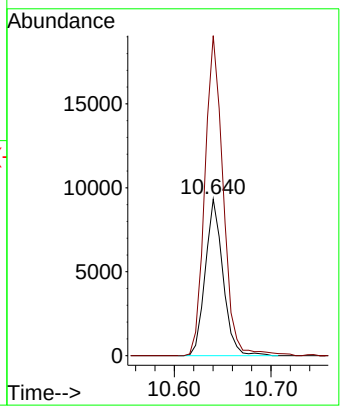




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

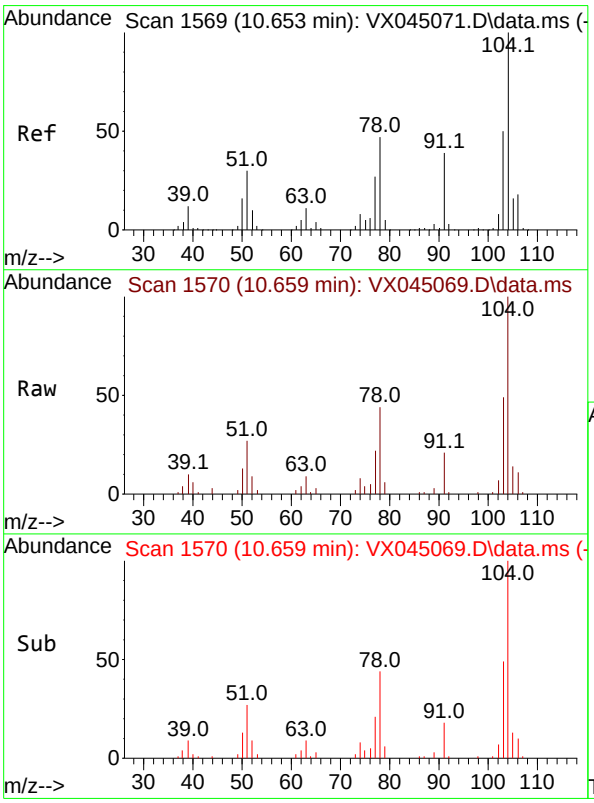
Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

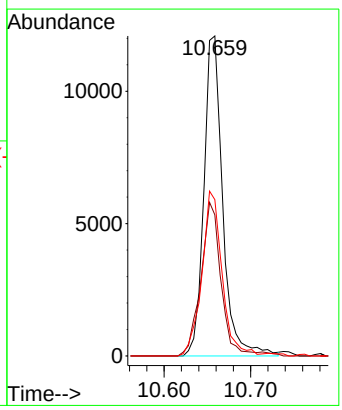
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

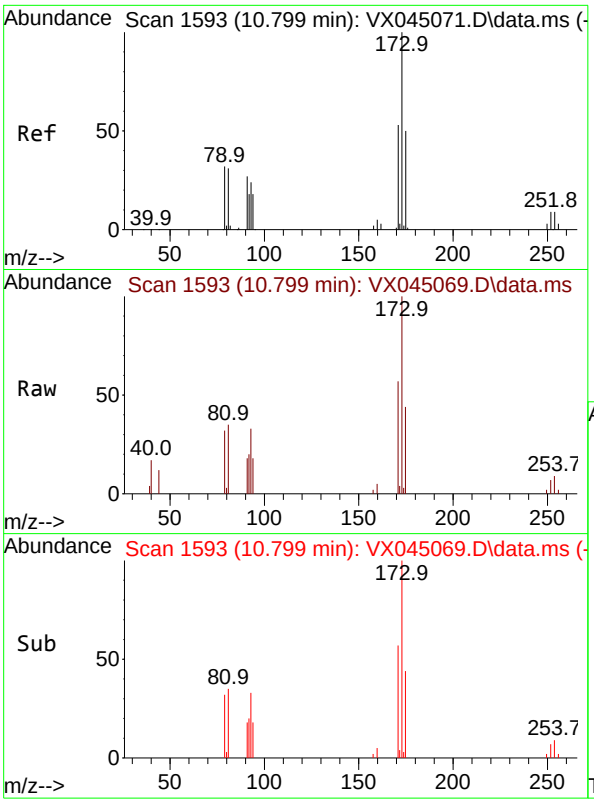


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8

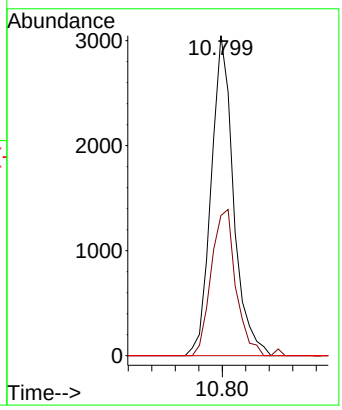




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

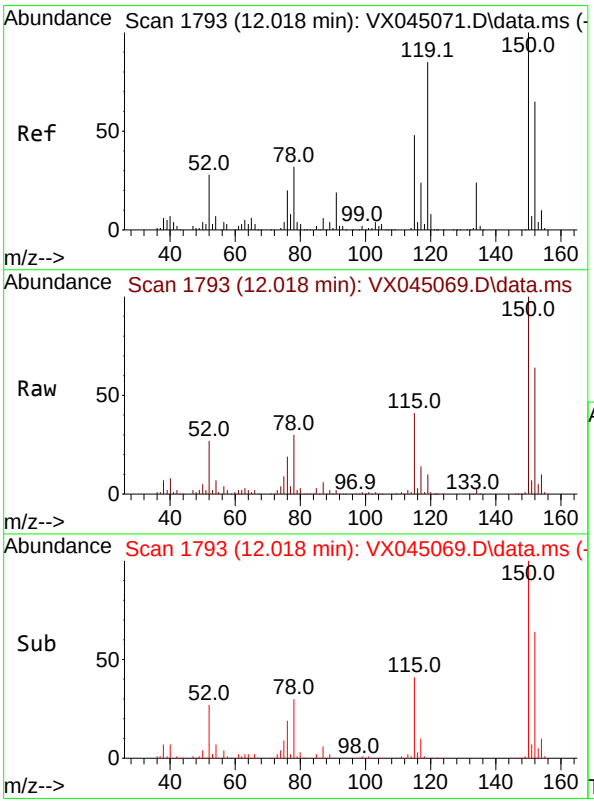
Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

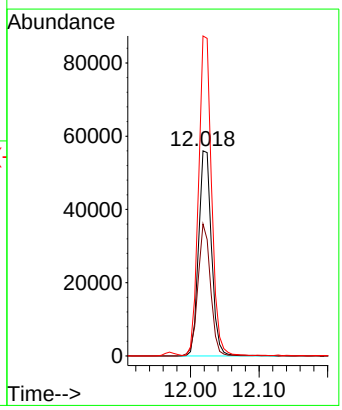
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

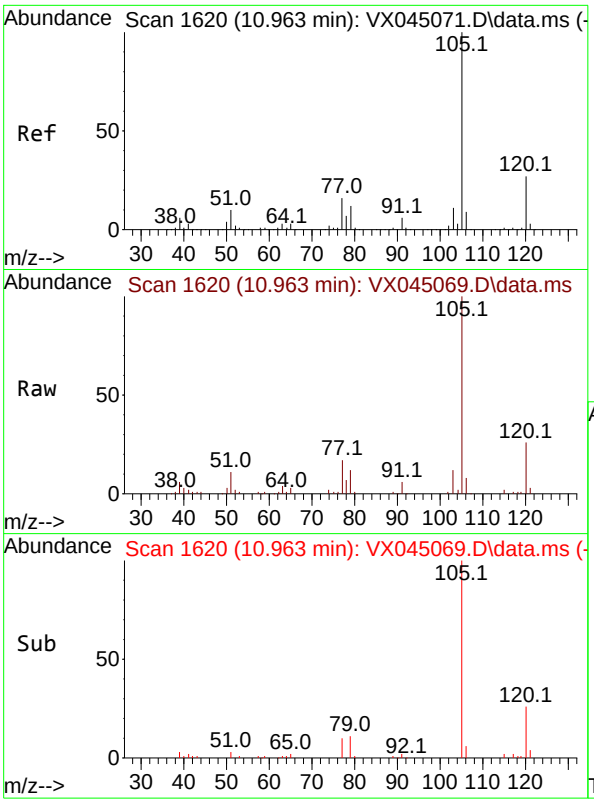


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0

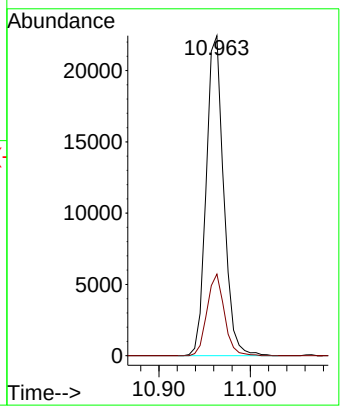




#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2968

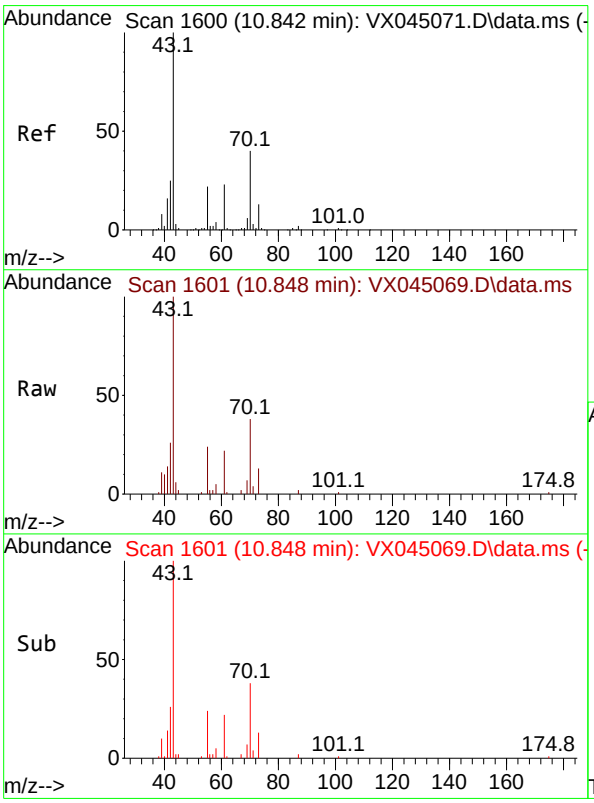
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

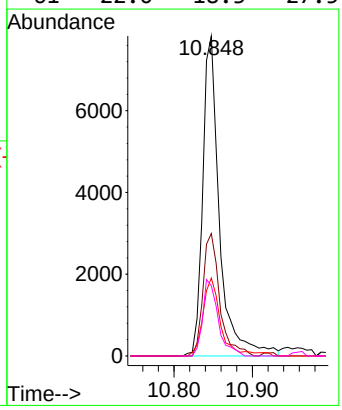
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

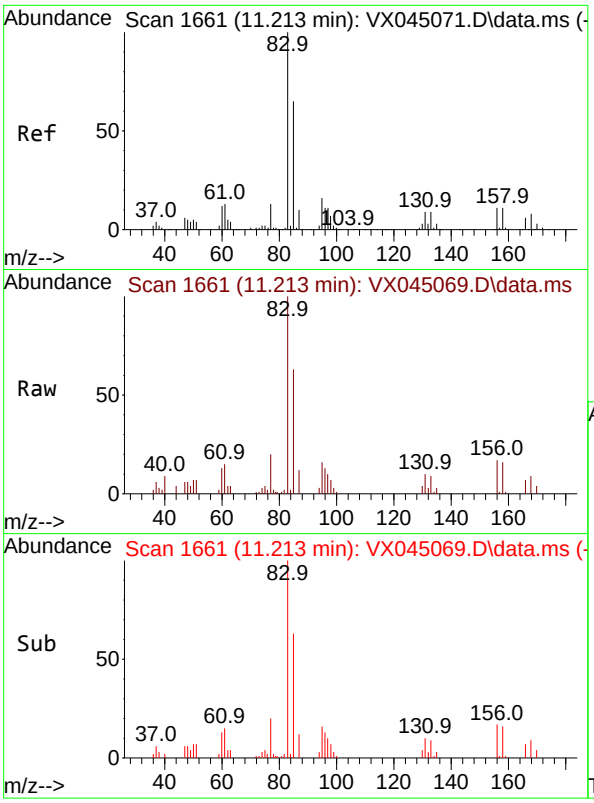


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5

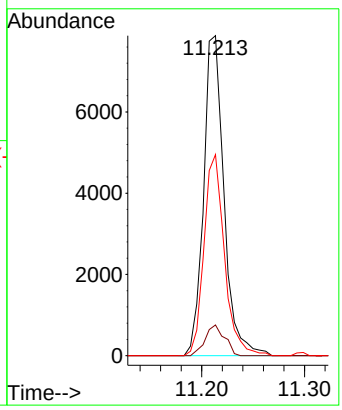




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

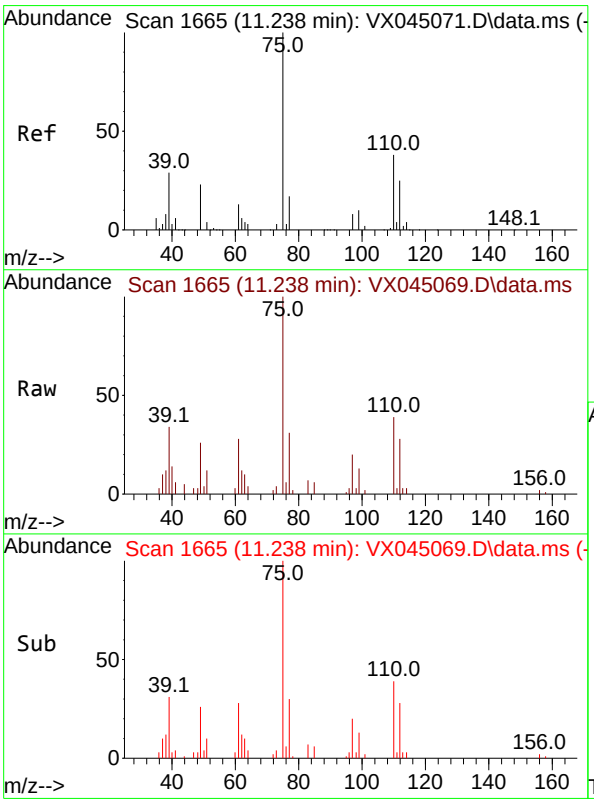
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

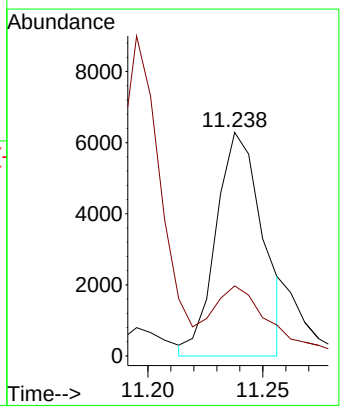
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

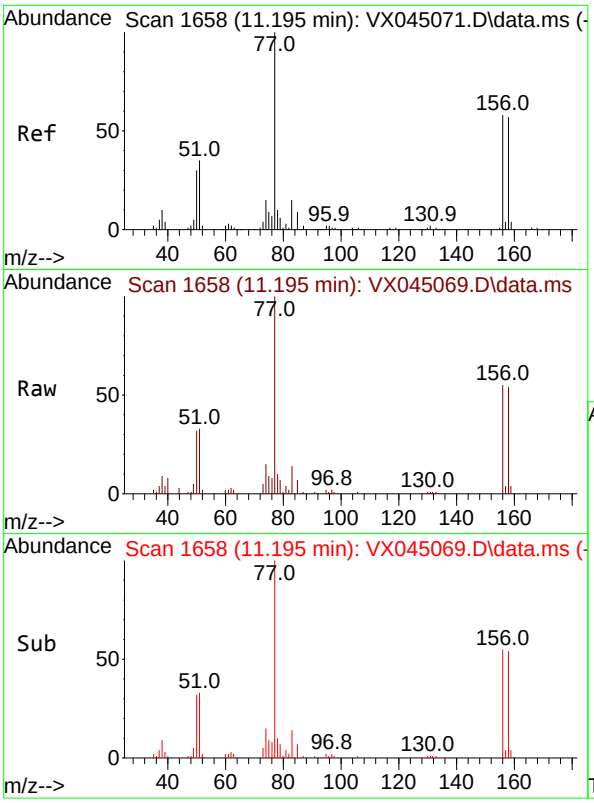


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

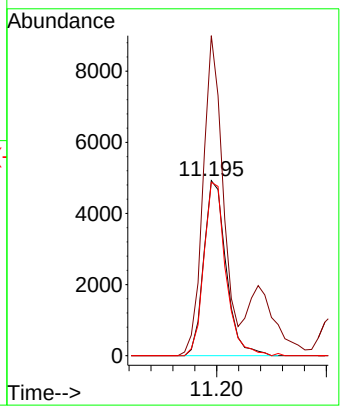




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697

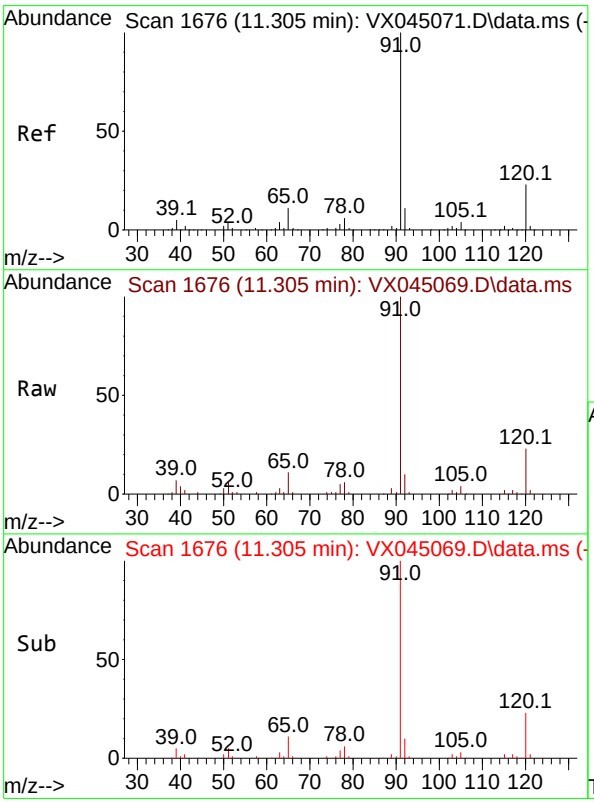
Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

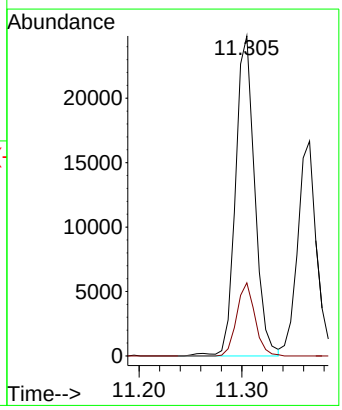
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

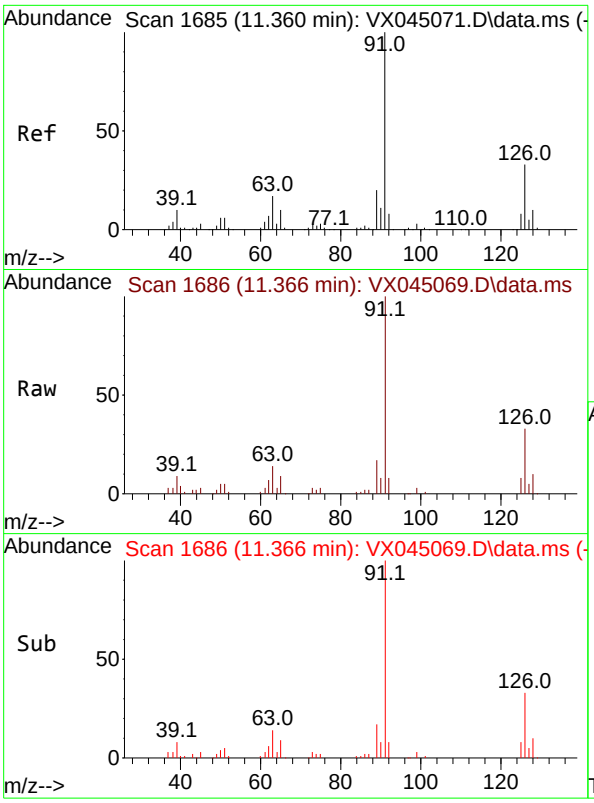


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6

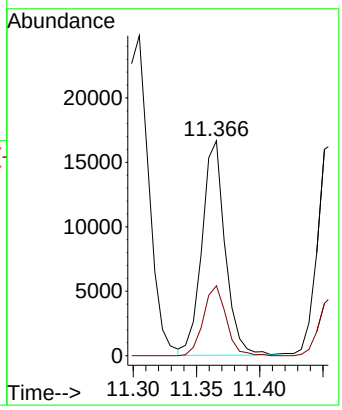




#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 2125

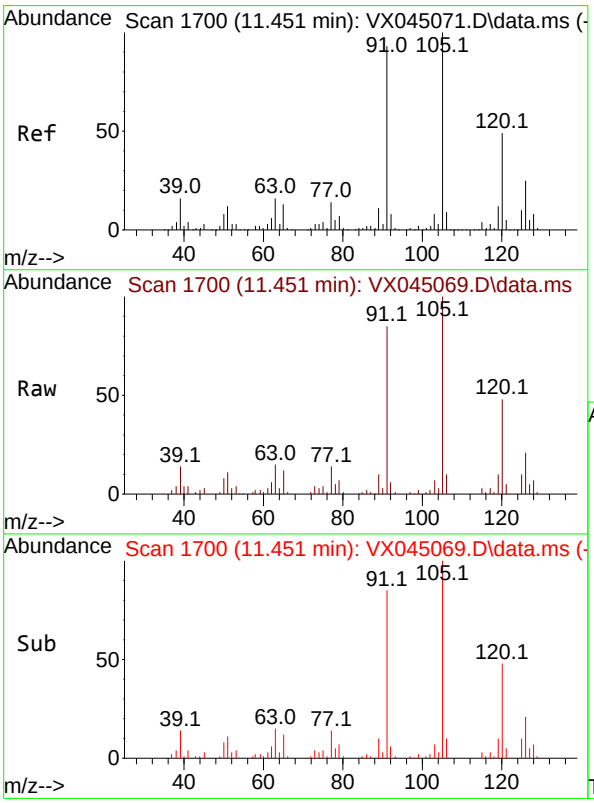
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

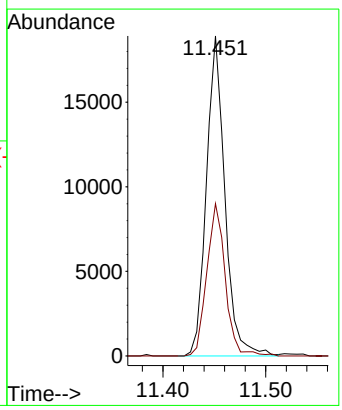
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

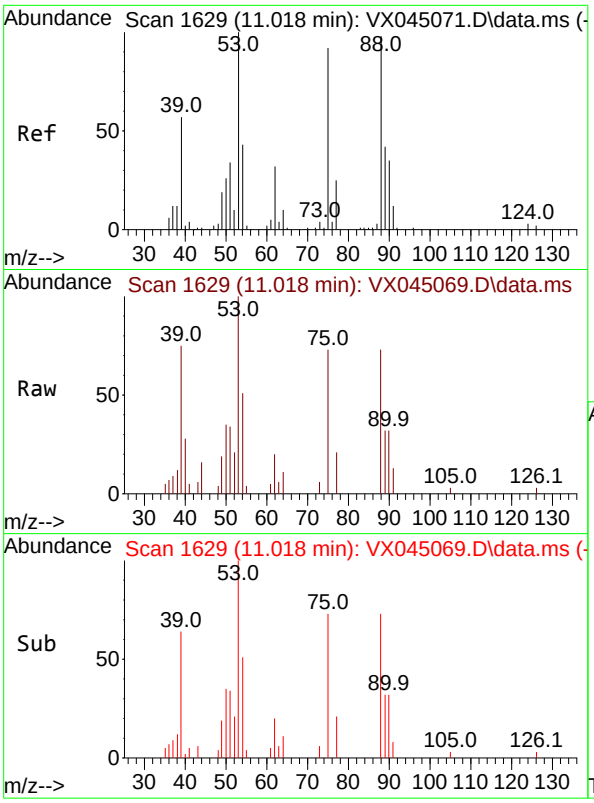


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

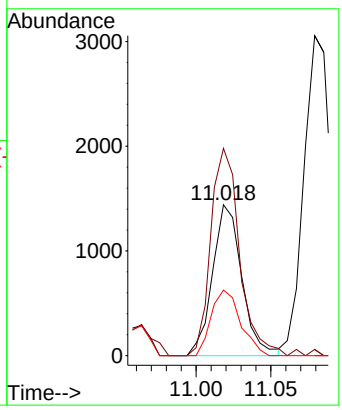
Tgt Ion: 75 Resp: 197

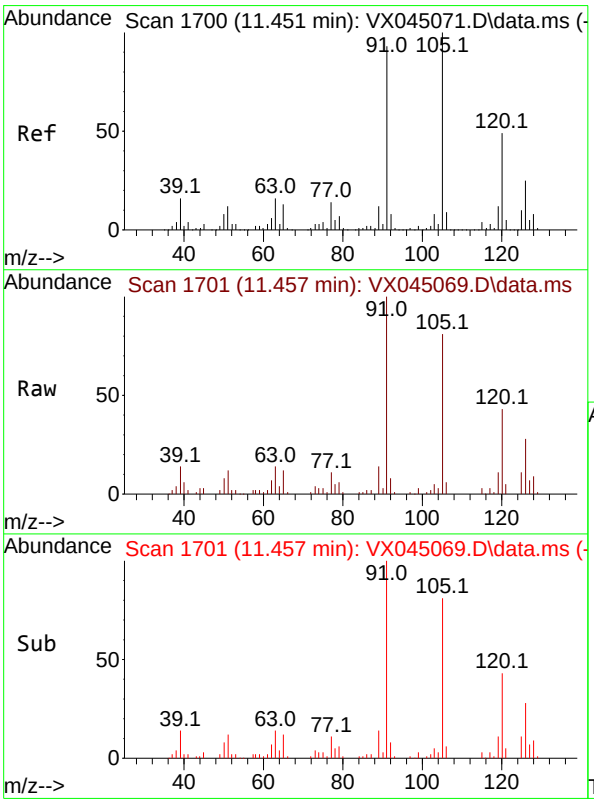
Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

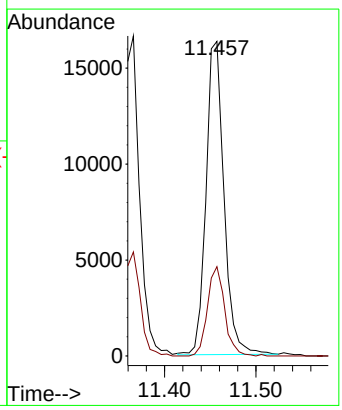


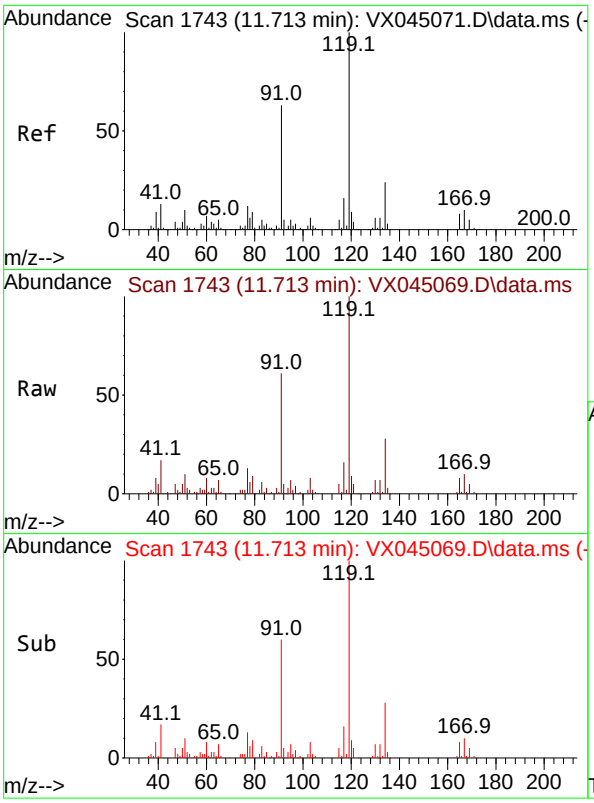


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

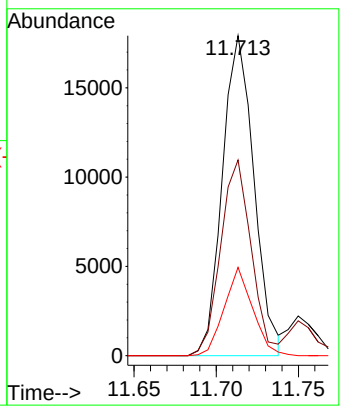




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

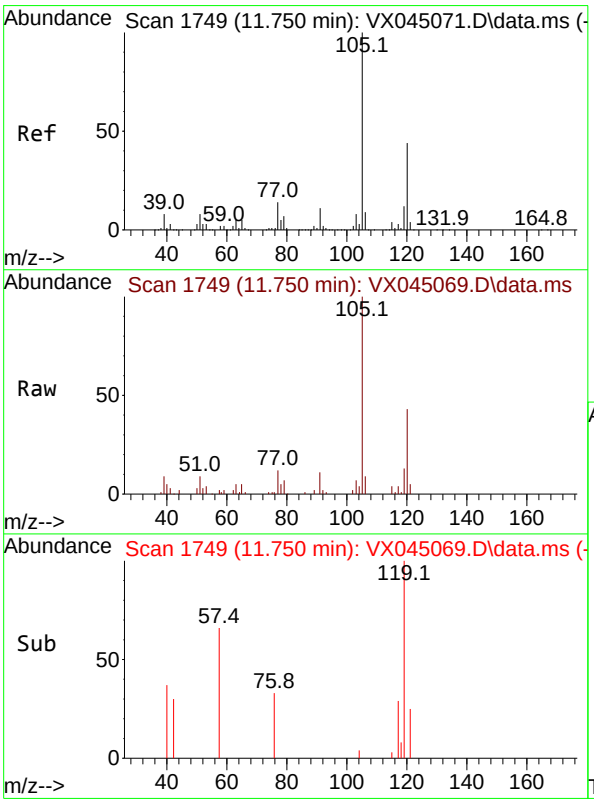
Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

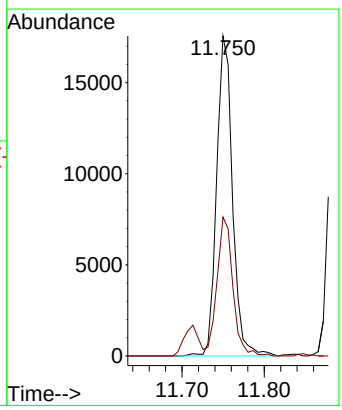
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

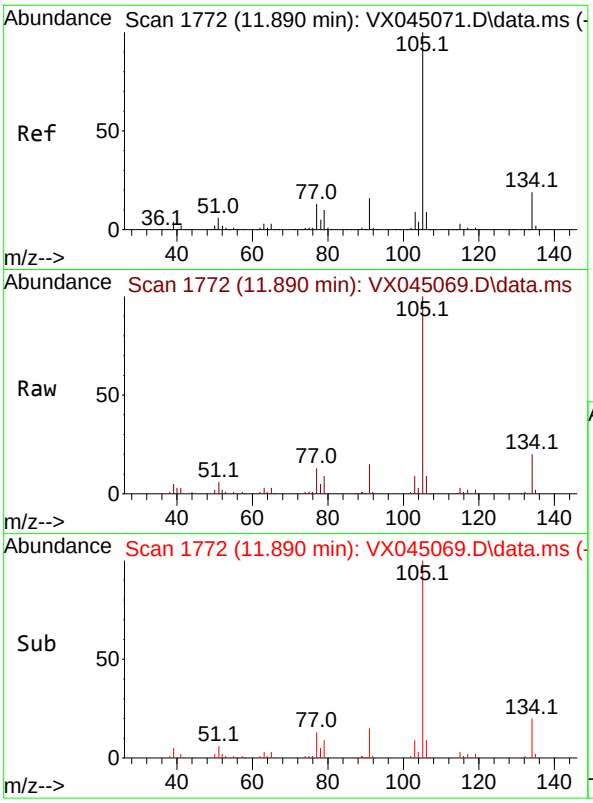


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

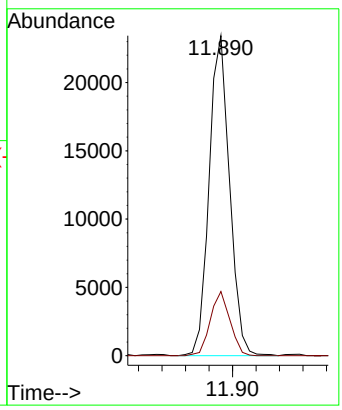
Tgt Ion:105 Resp: 2831

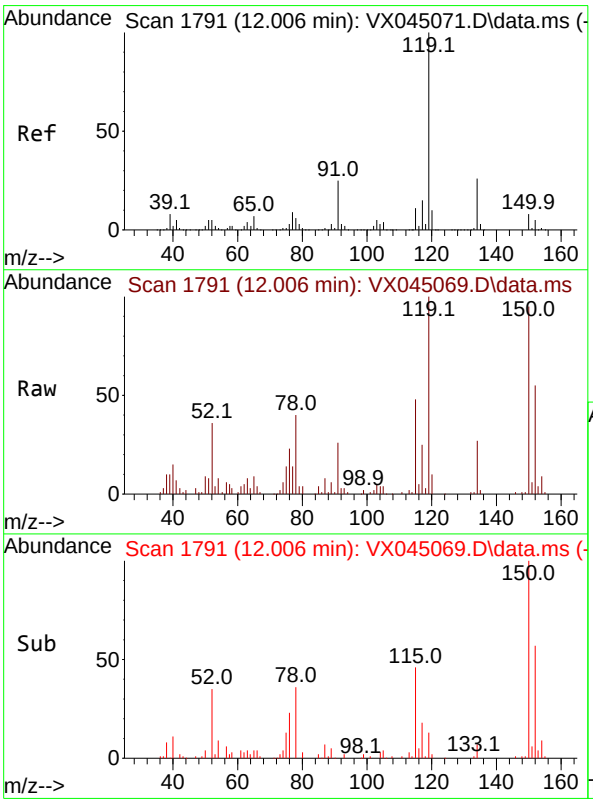
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

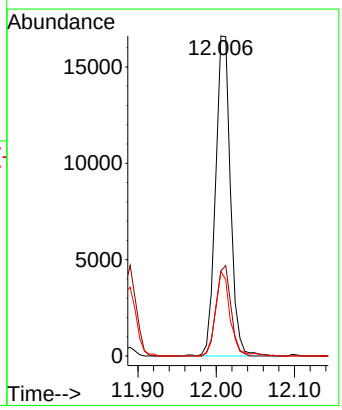


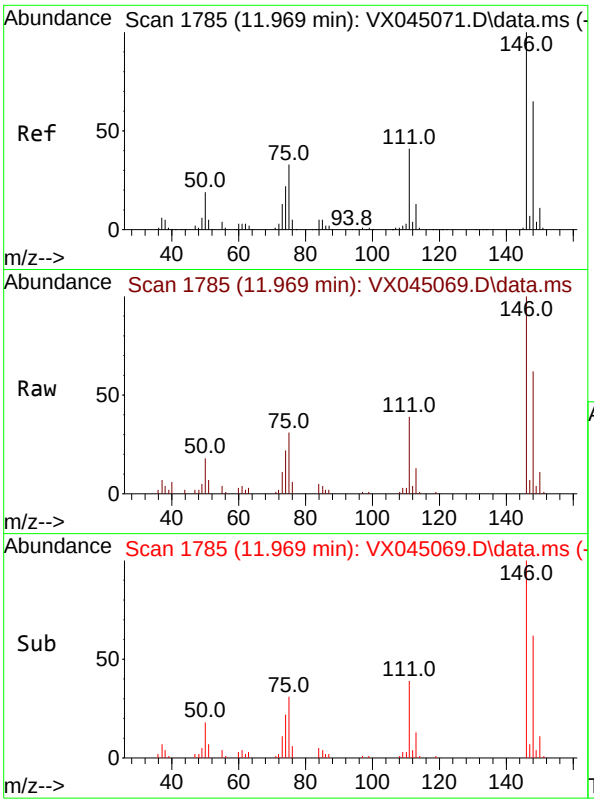


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0

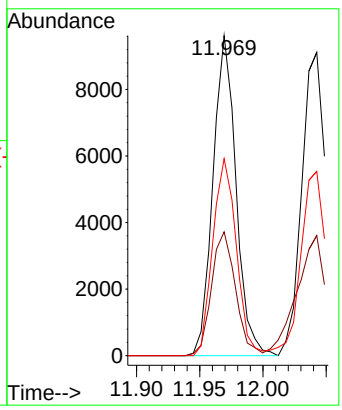




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

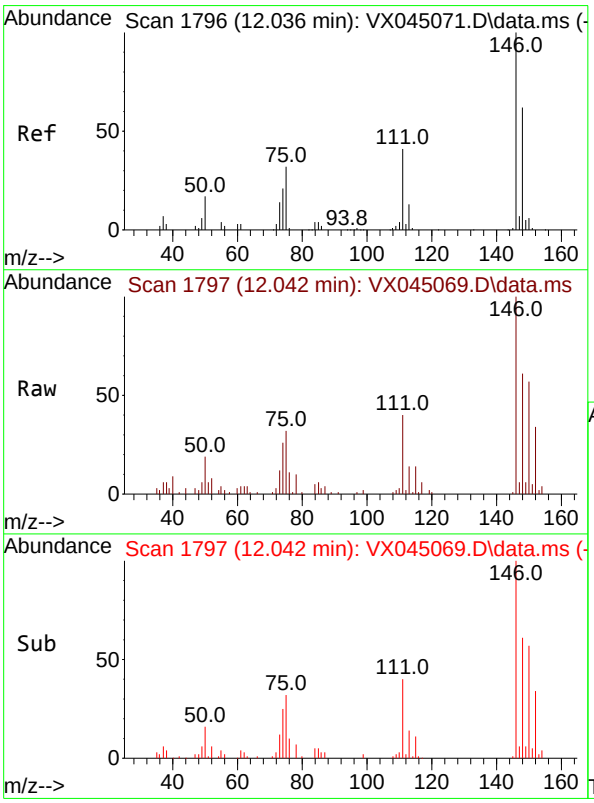
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

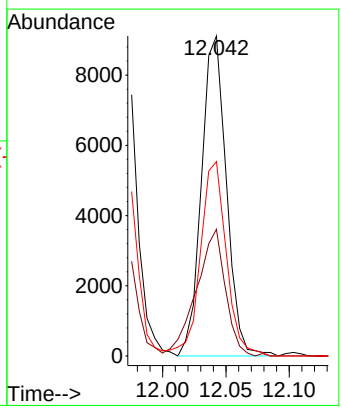
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

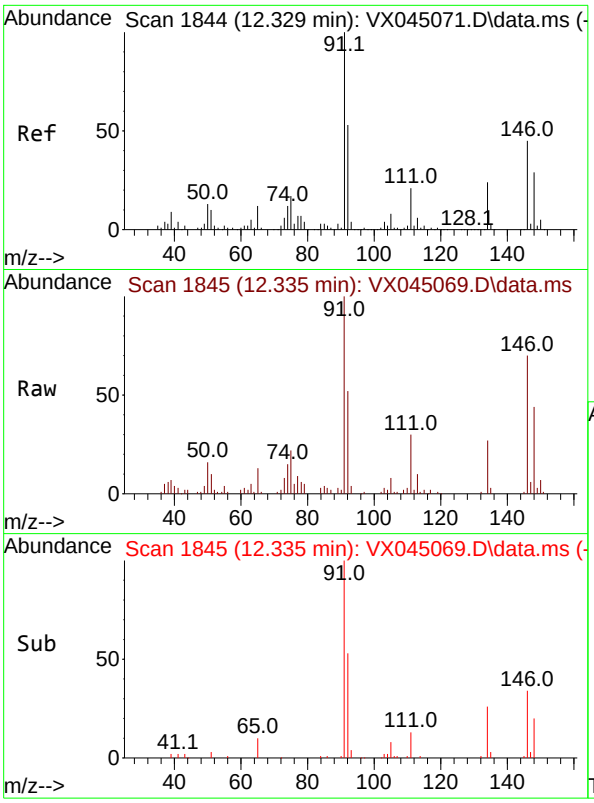


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9

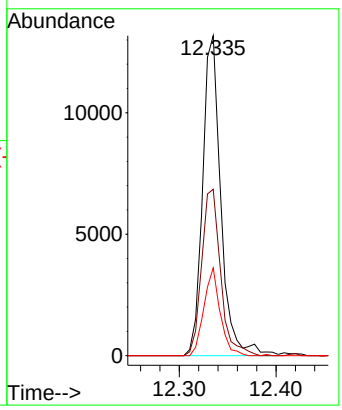




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

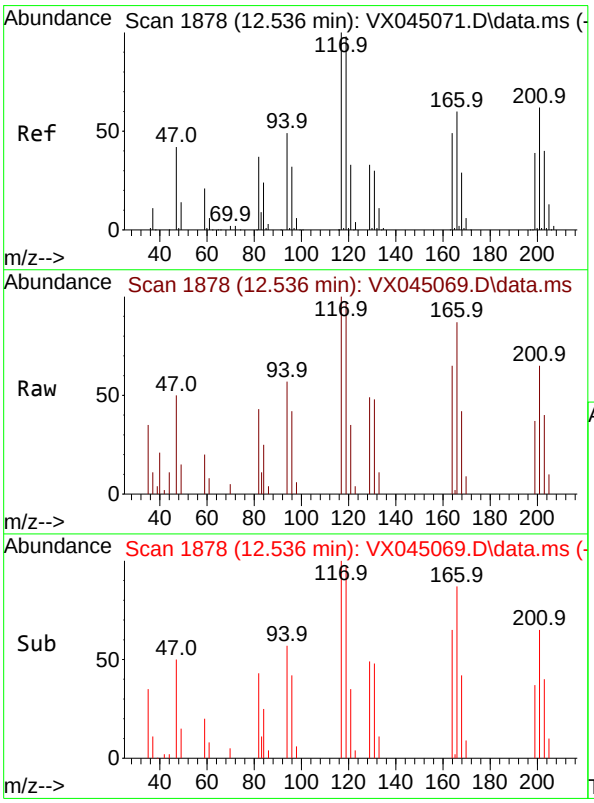
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

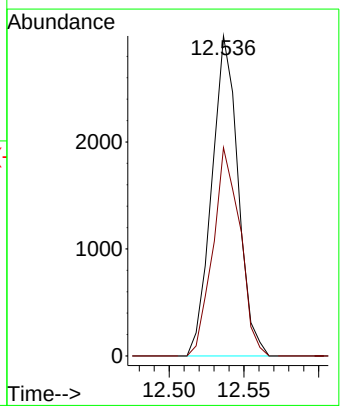
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

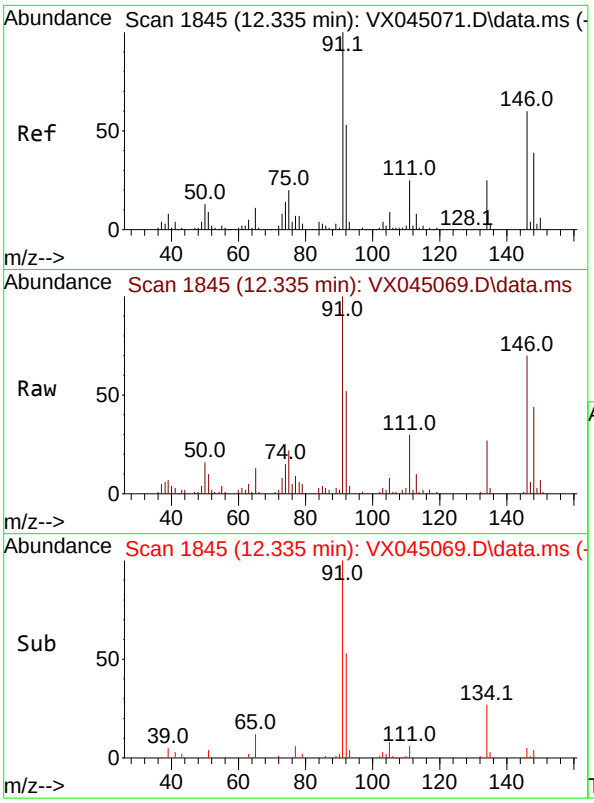


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

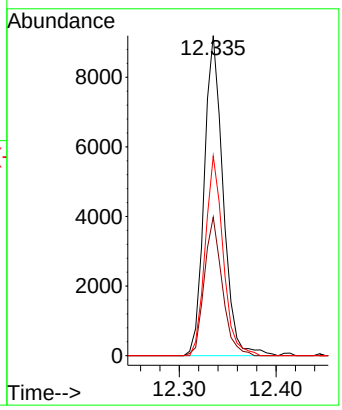




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

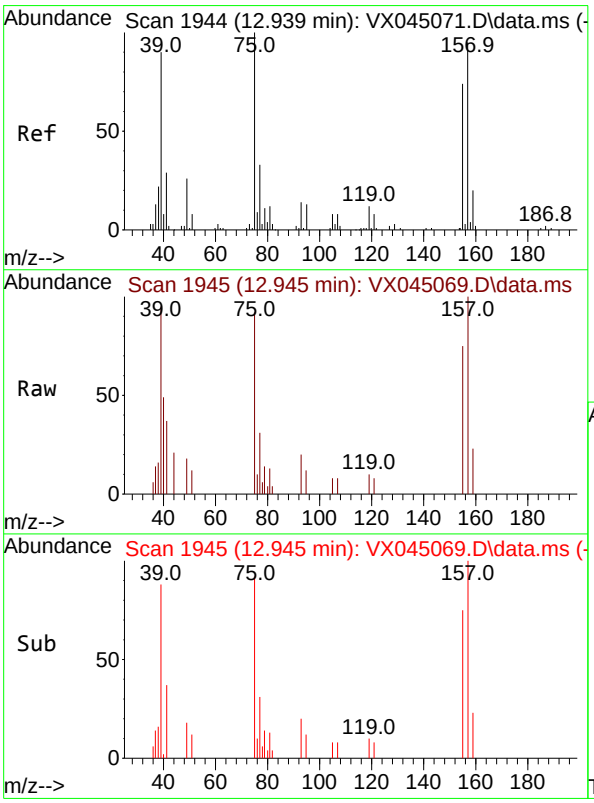
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

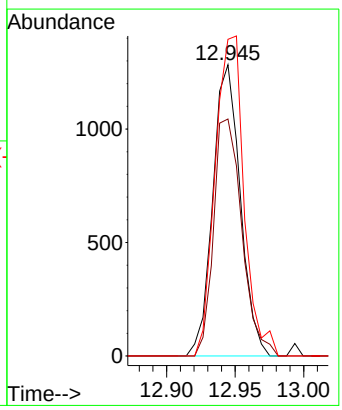
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

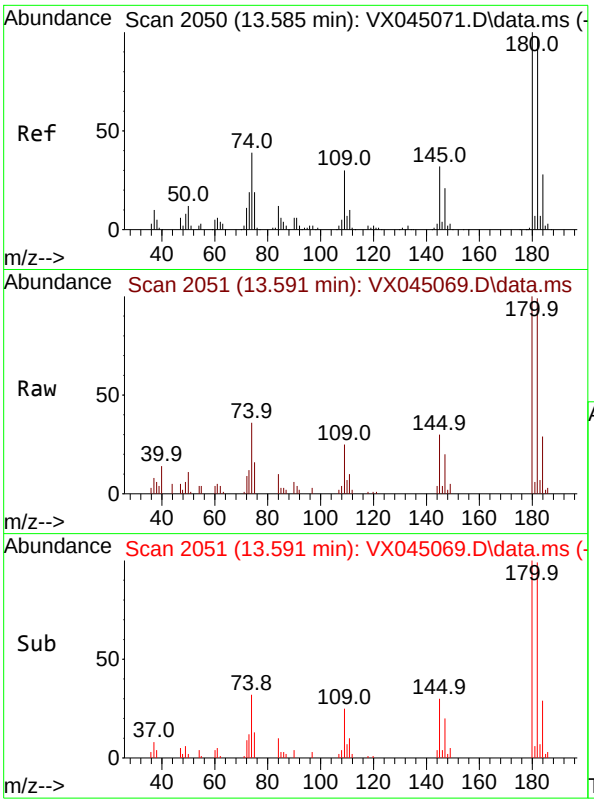


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4

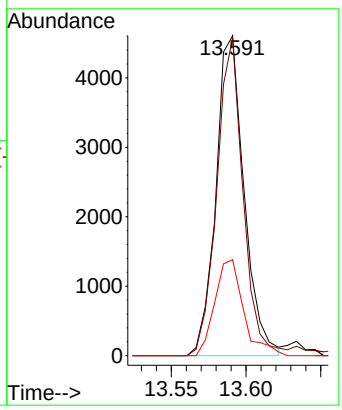




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

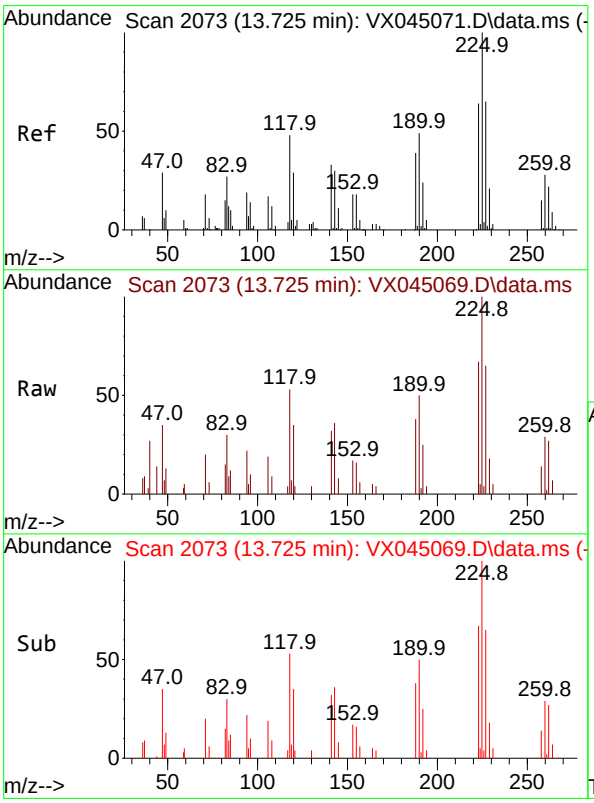
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

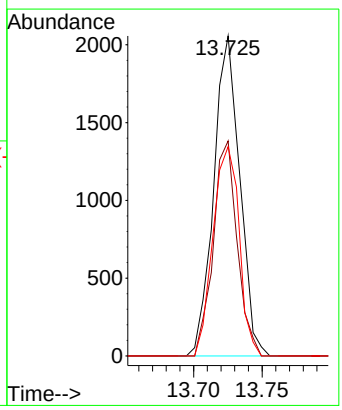
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

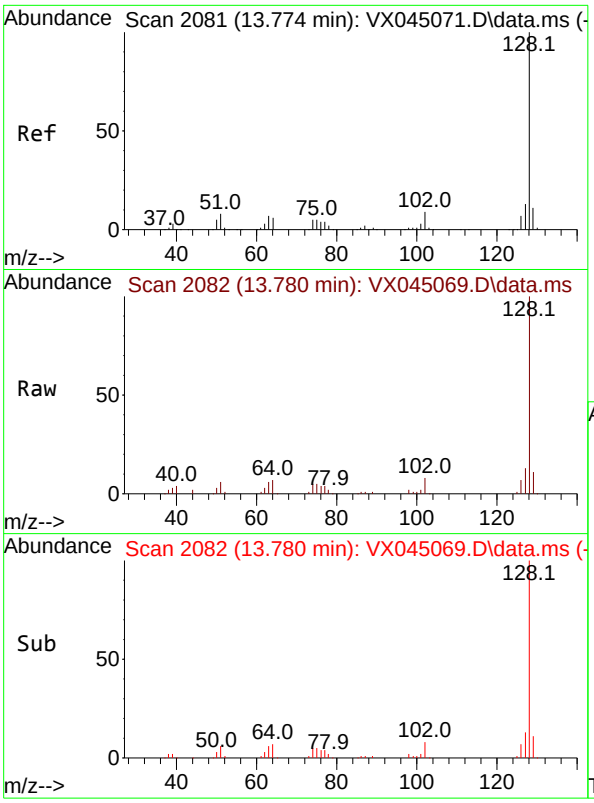


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0

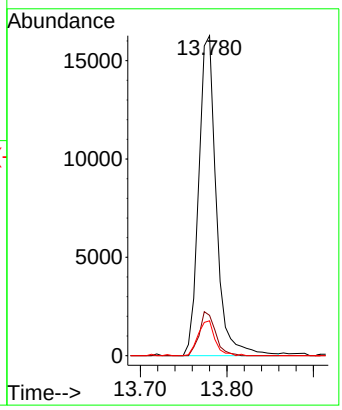




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

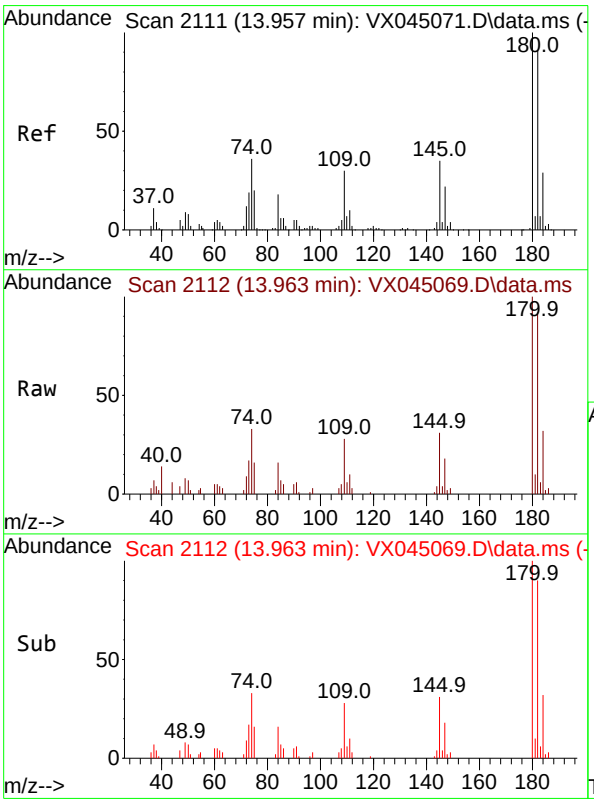
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

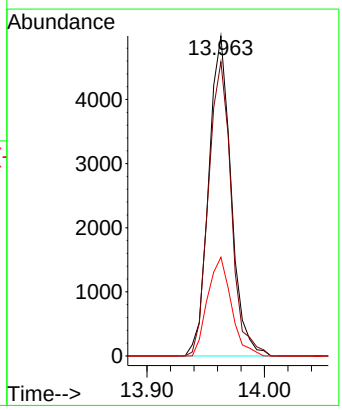
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.440%#		
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.940%#		
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.420%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l		
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

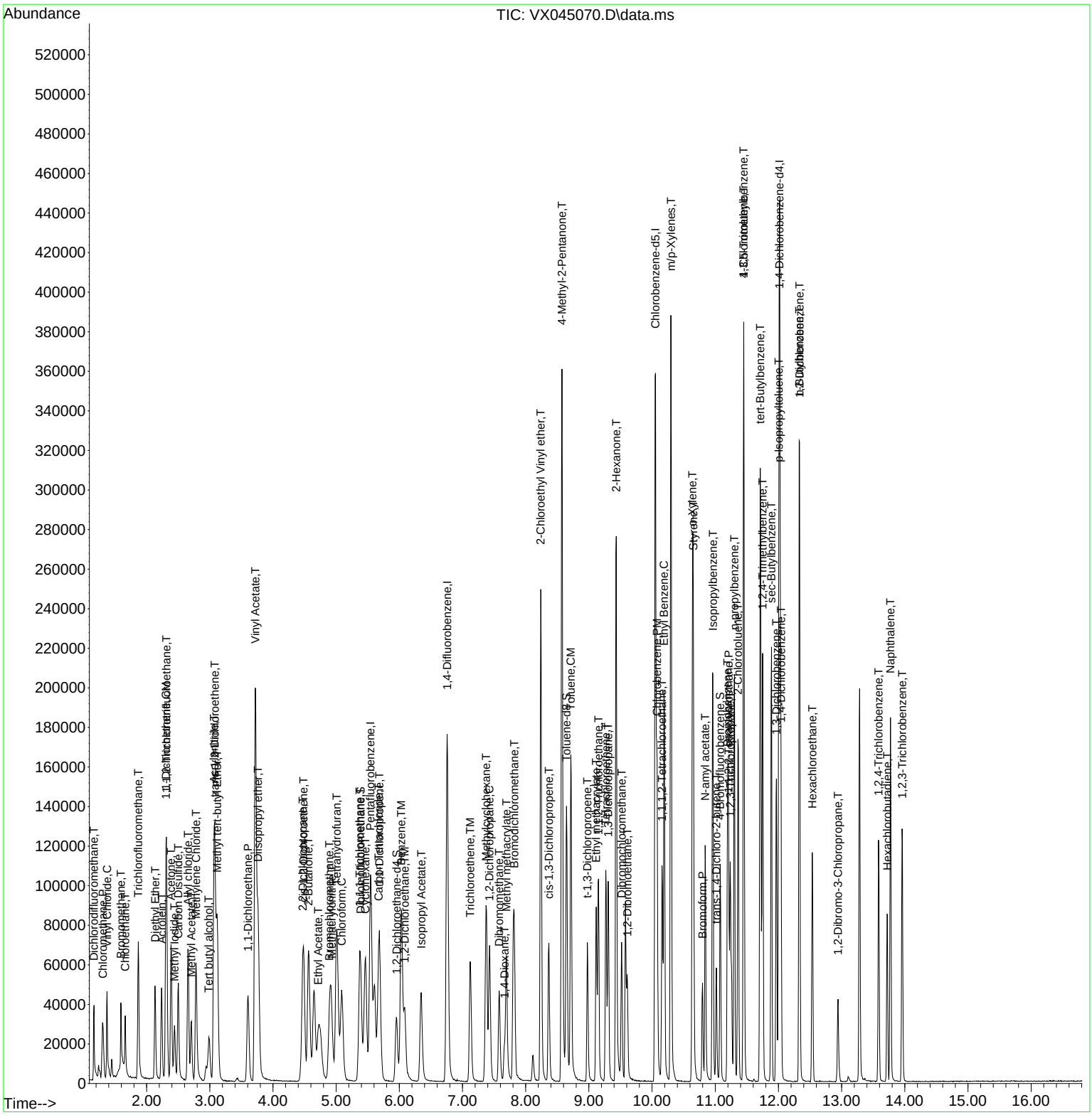
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

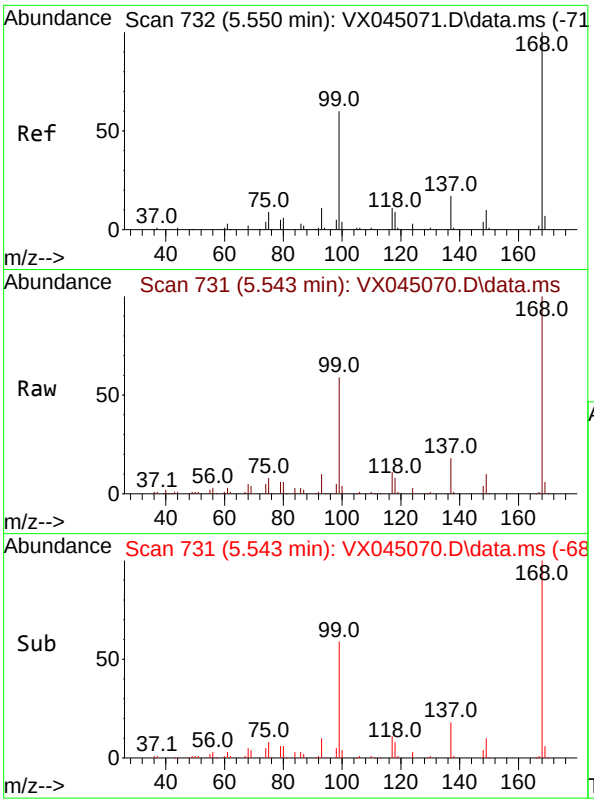
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

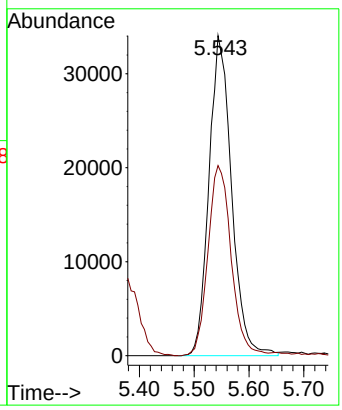




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

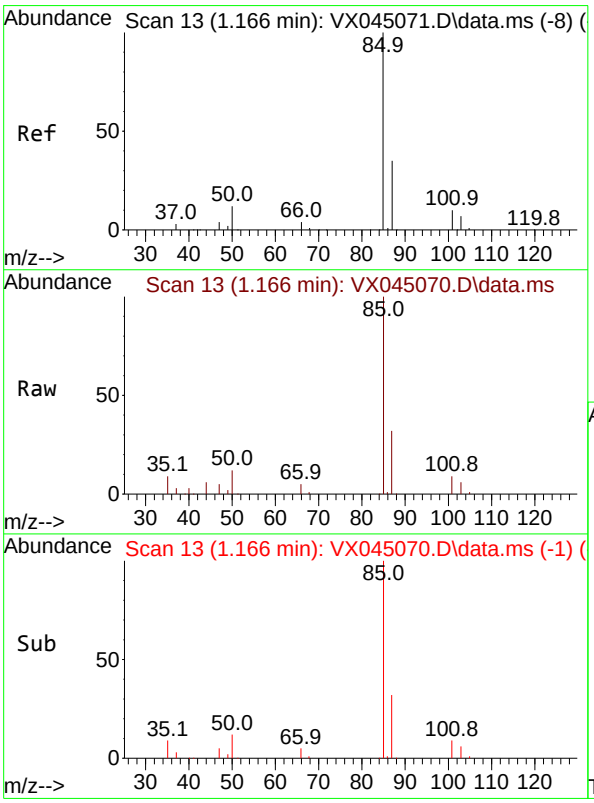
Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

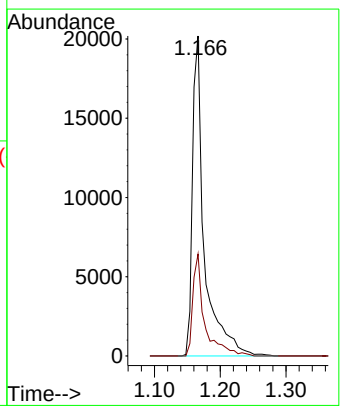
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

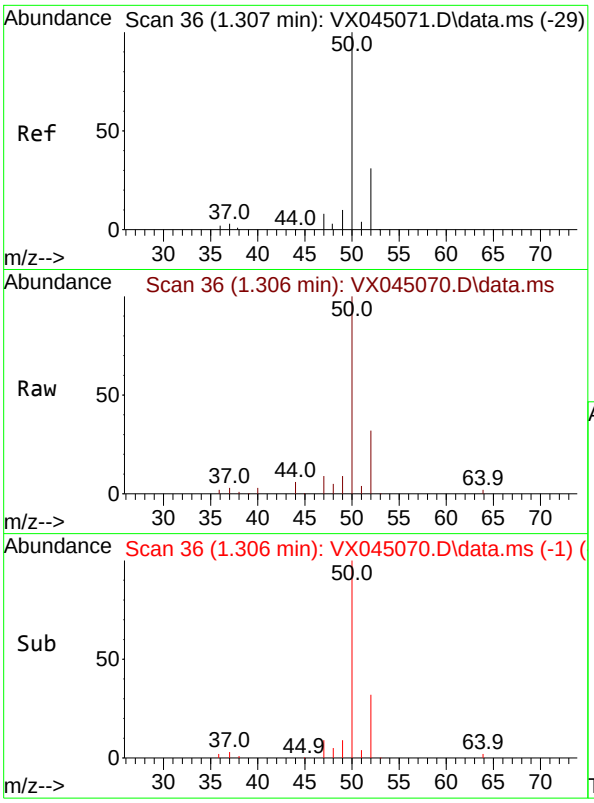


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

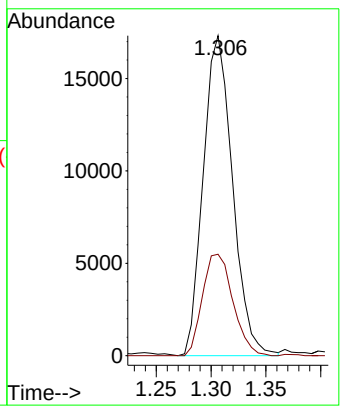




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

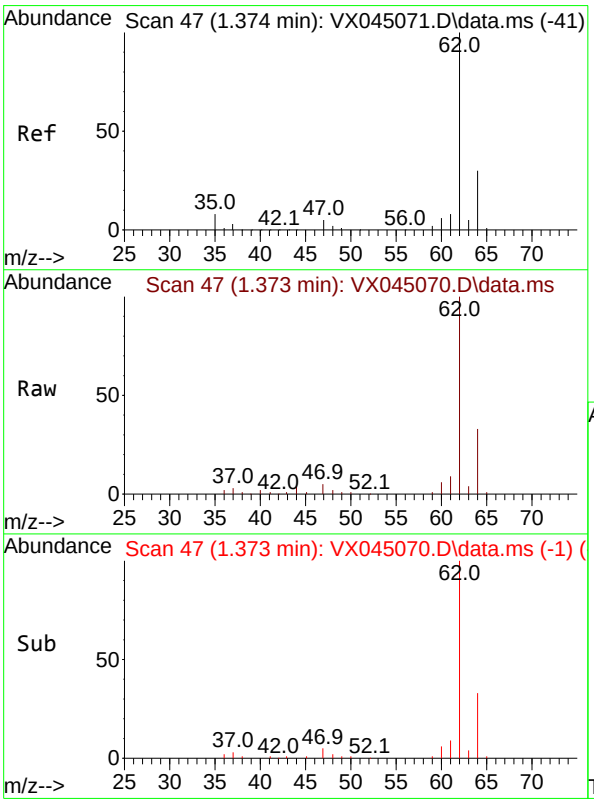
Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

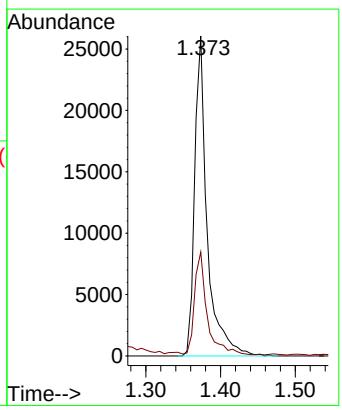
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

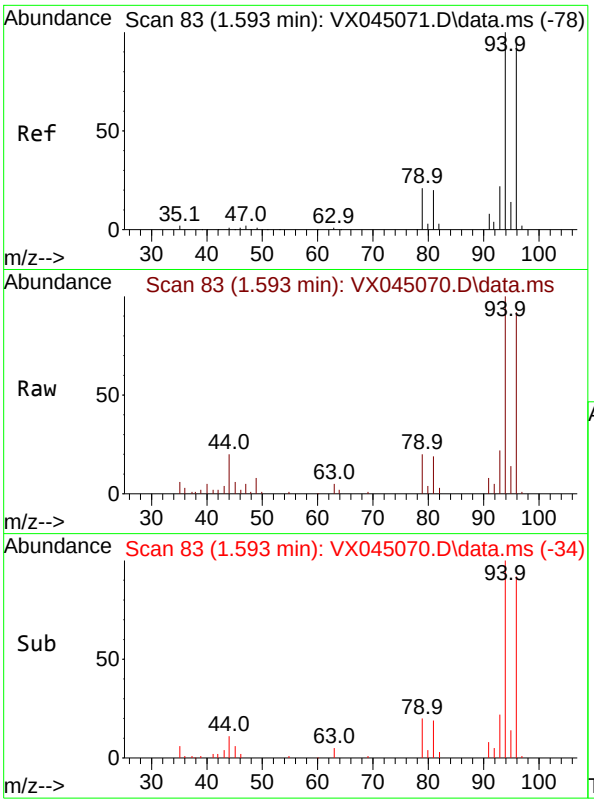


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

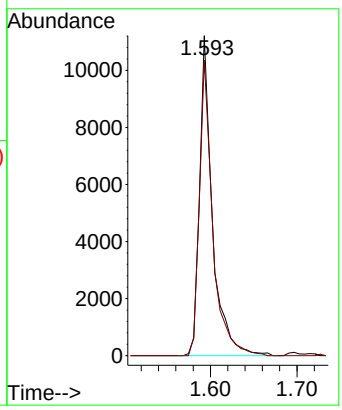




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

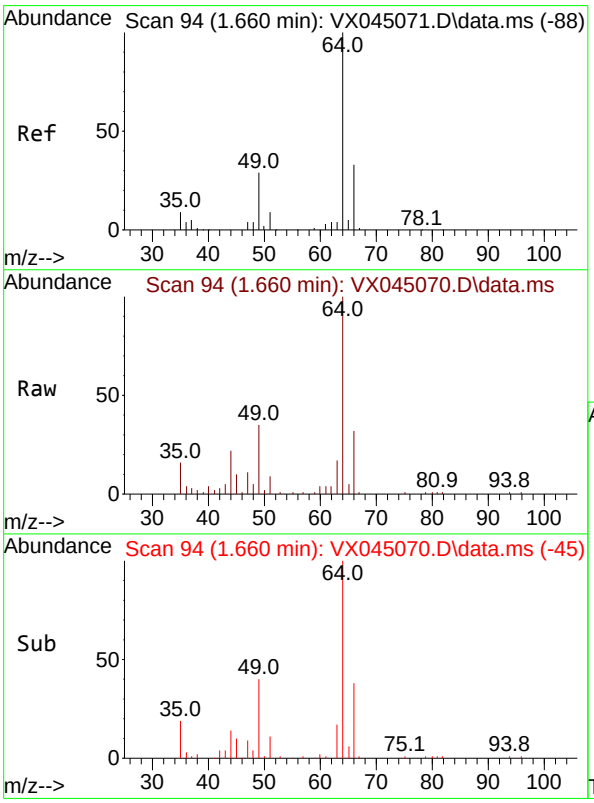
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

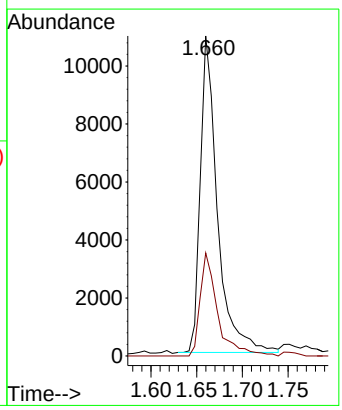
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

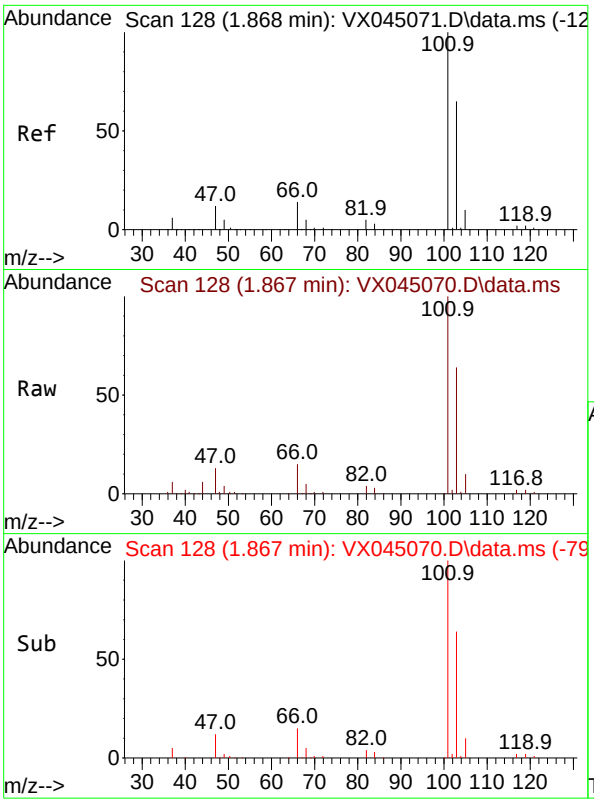


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

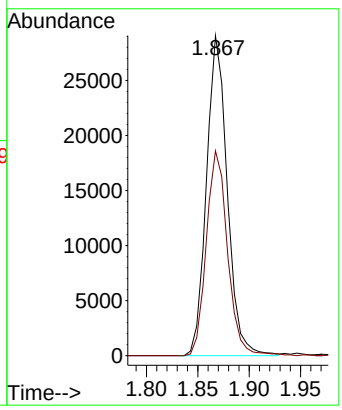




#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 4088

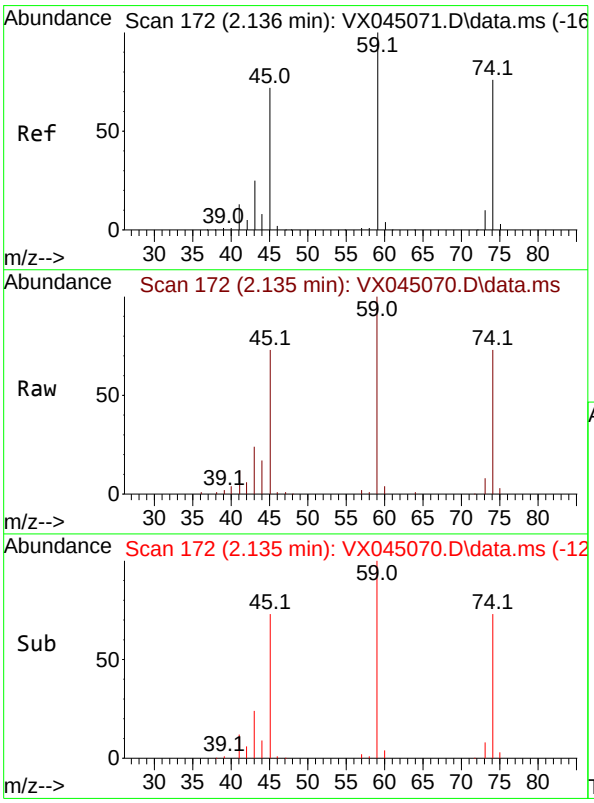
Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

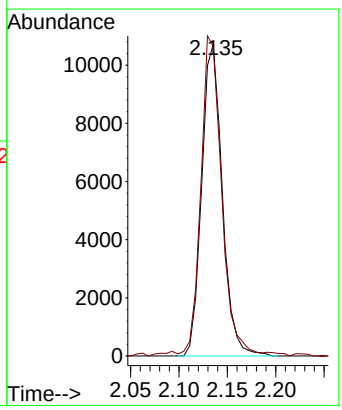
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

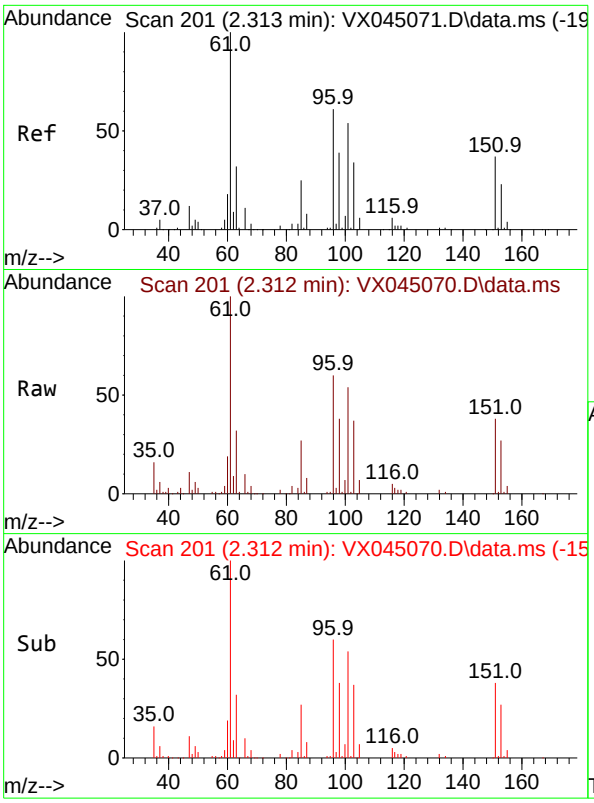


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5

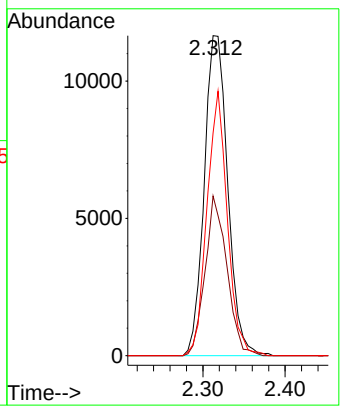




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 2315

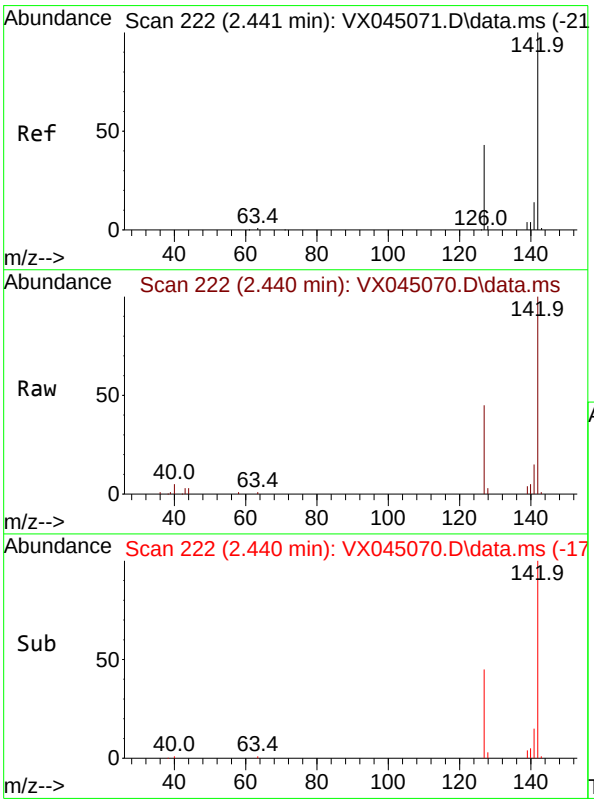
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

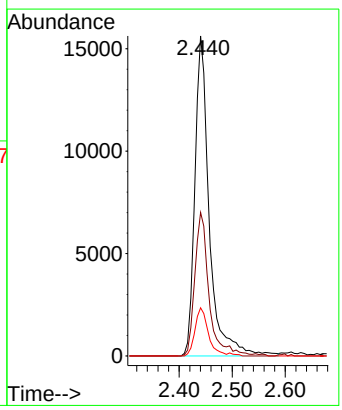
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

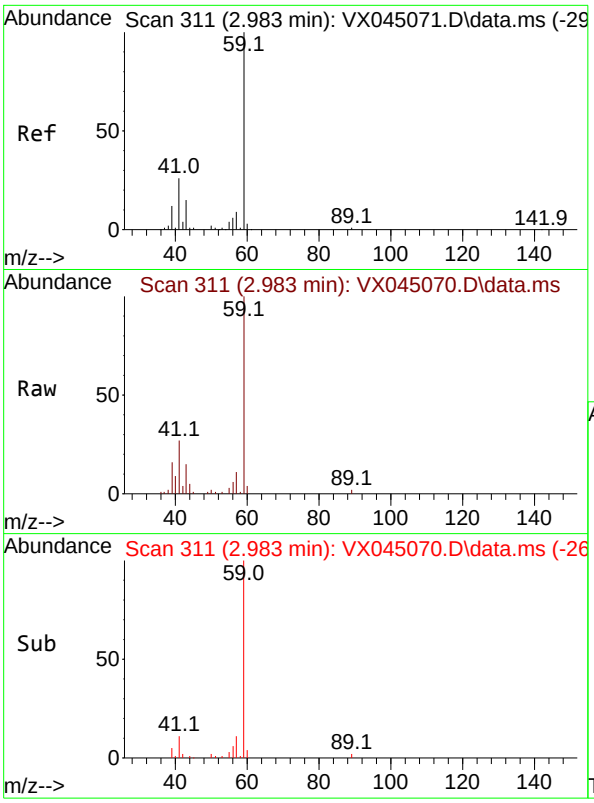


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4

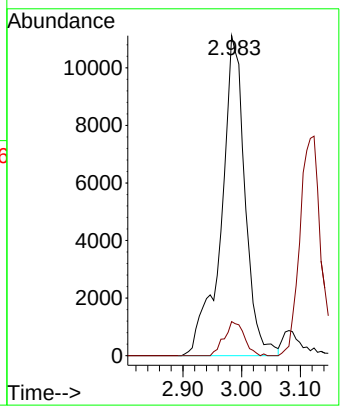




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

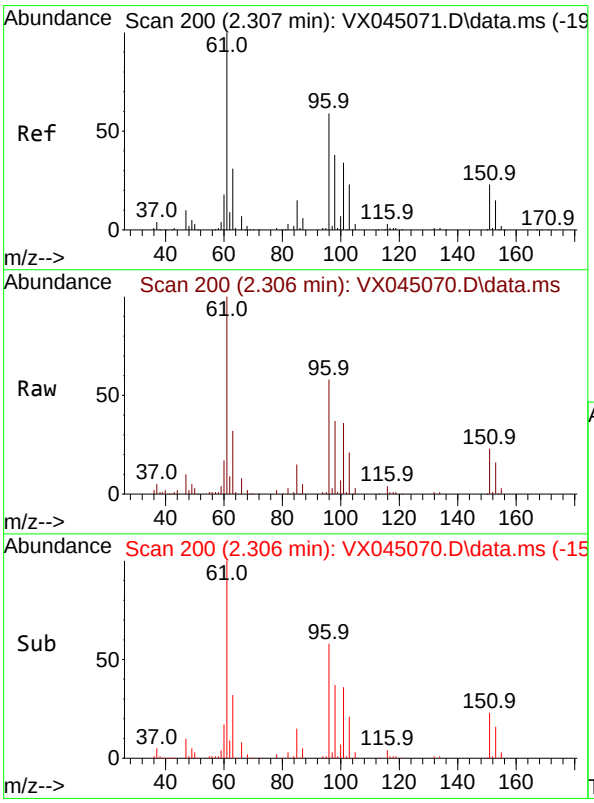
Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

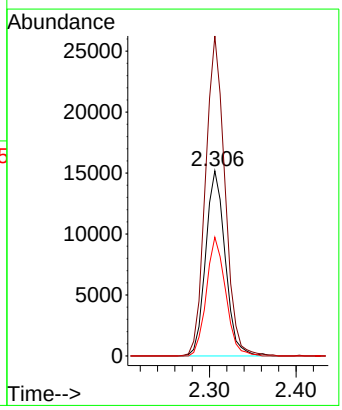
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

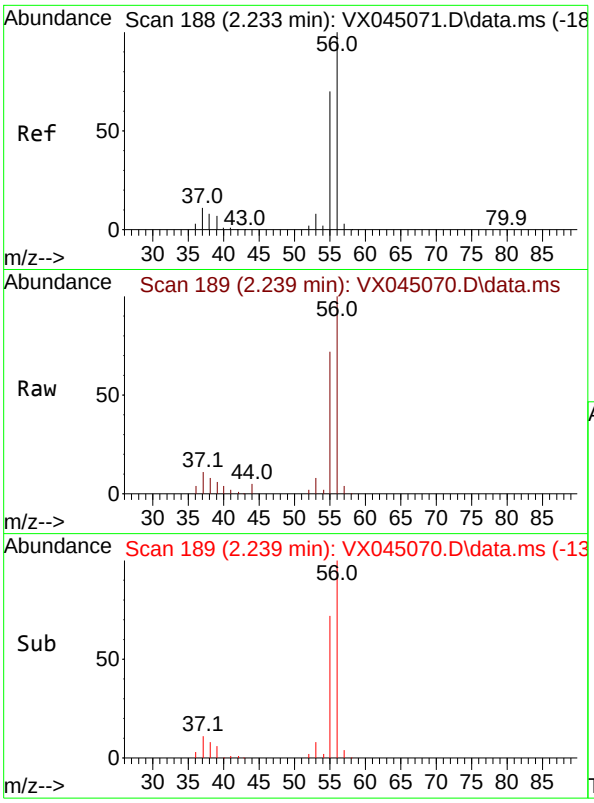


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6

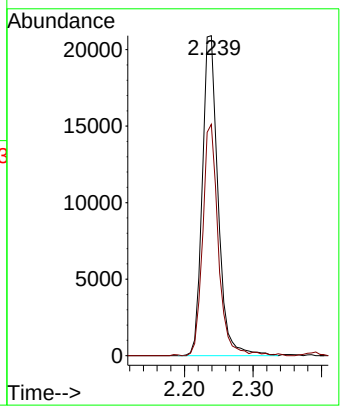




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

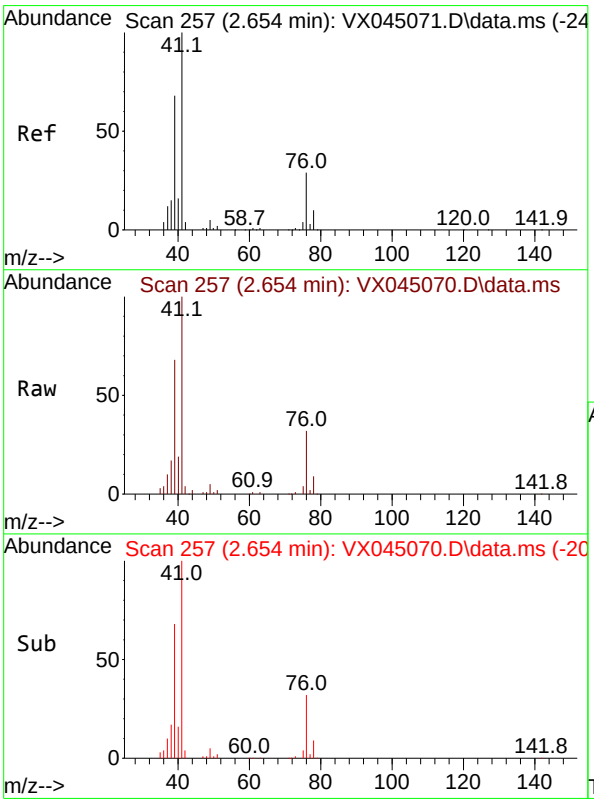
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

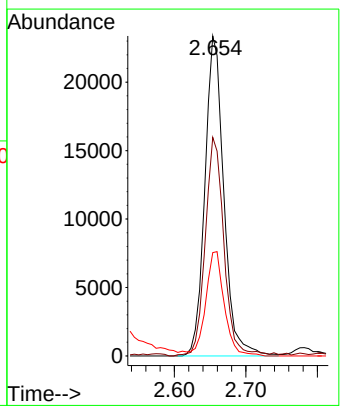
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

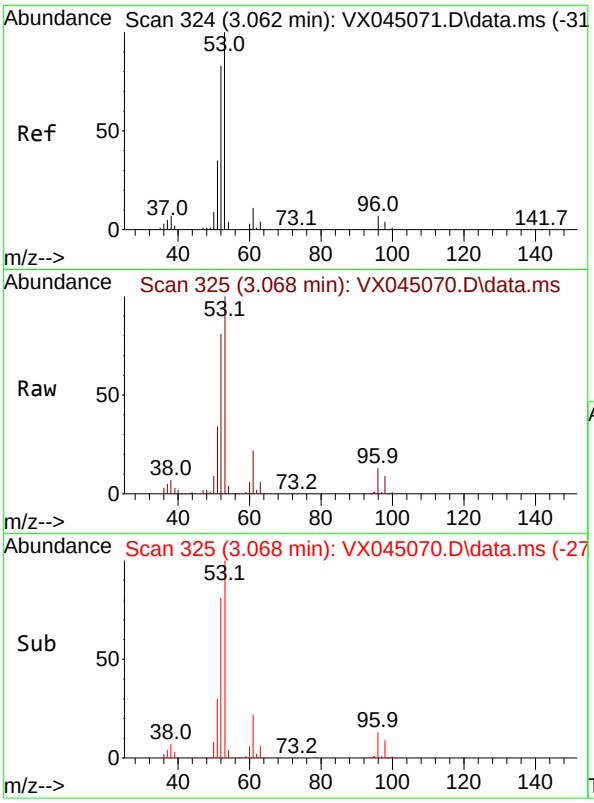


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8

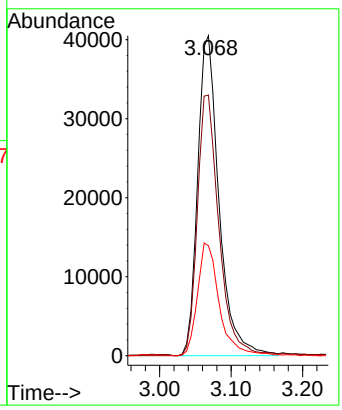




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

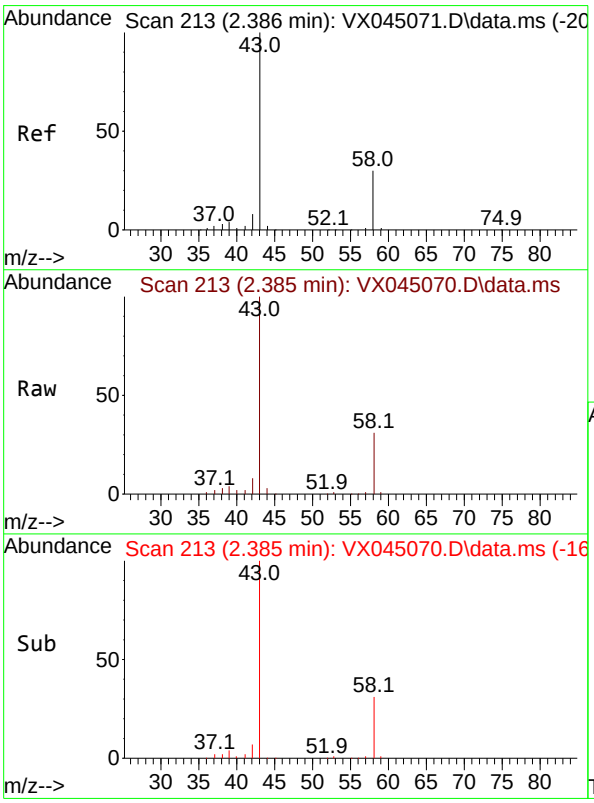
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

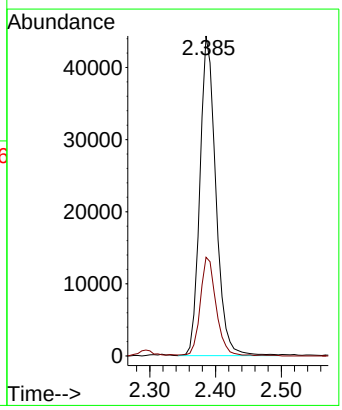
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

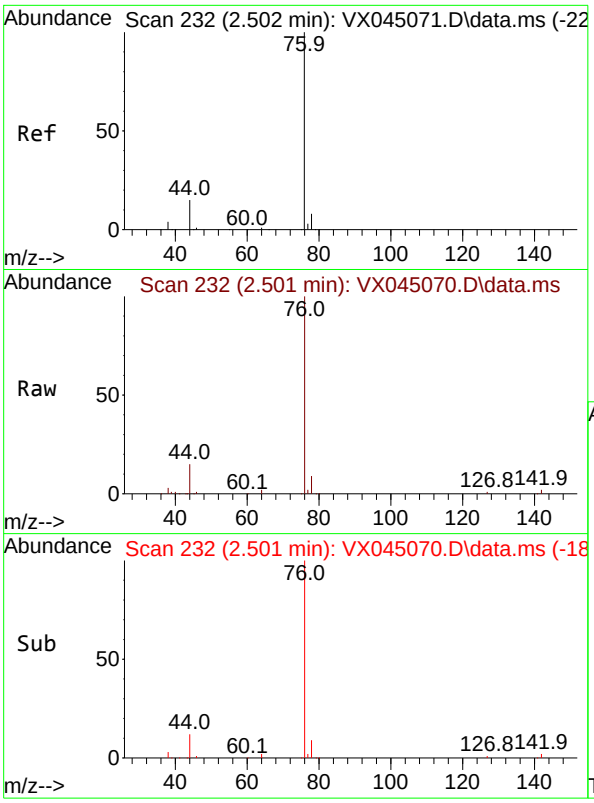


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4

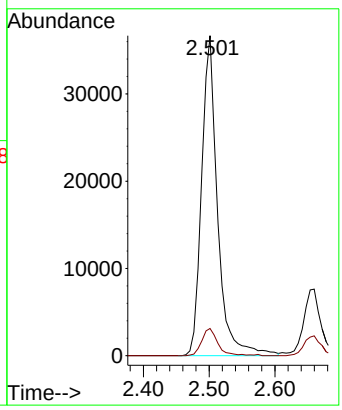




#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 6180

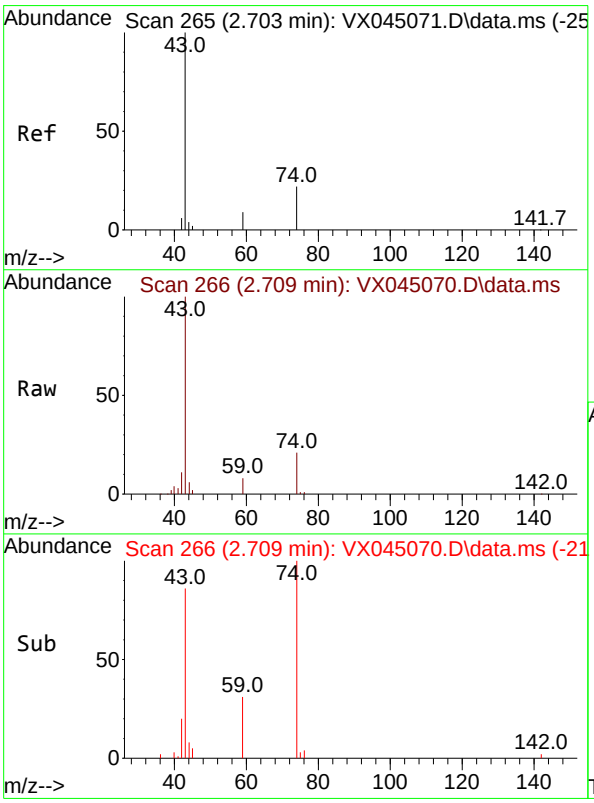
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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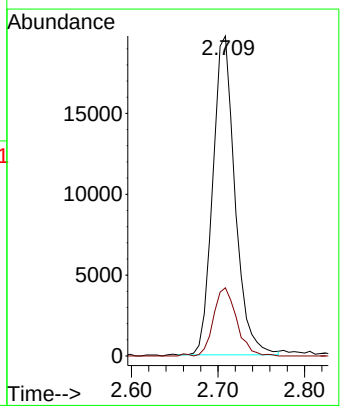
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

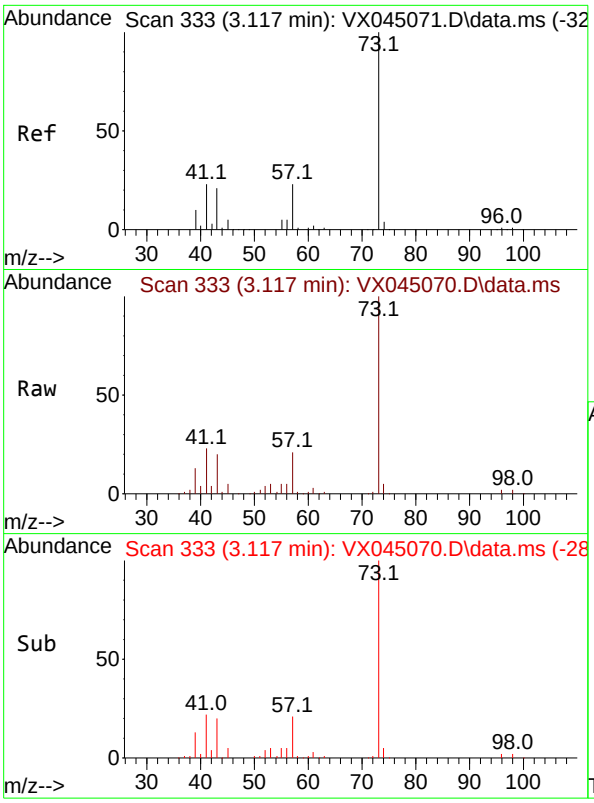


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

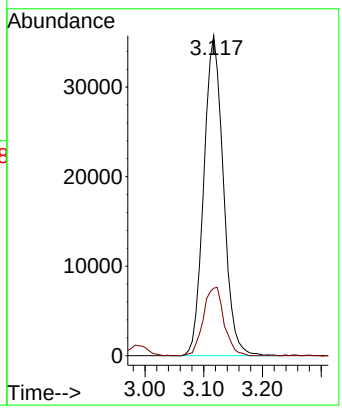




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

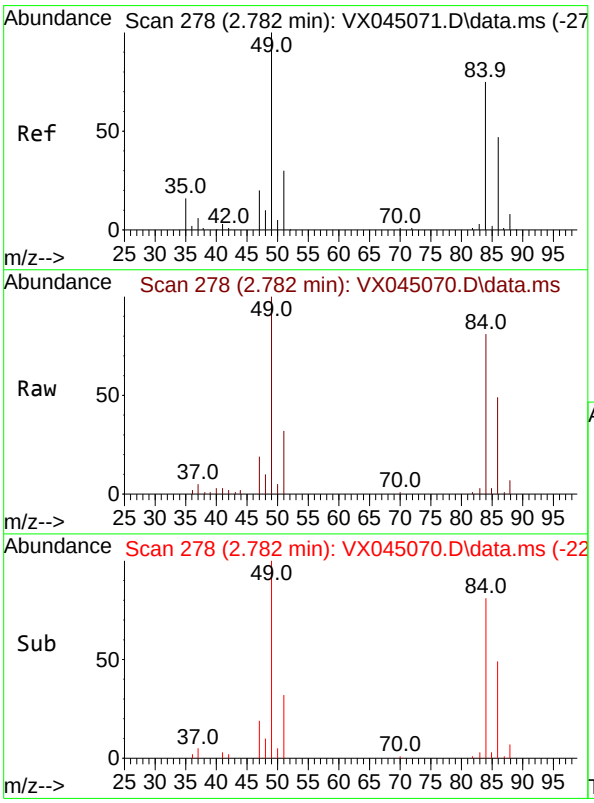
Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

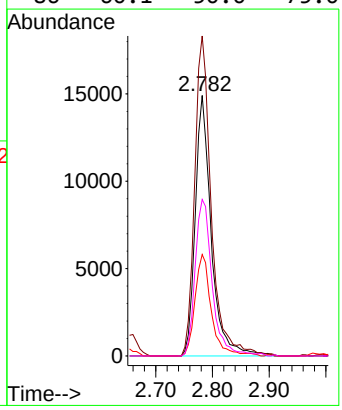
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

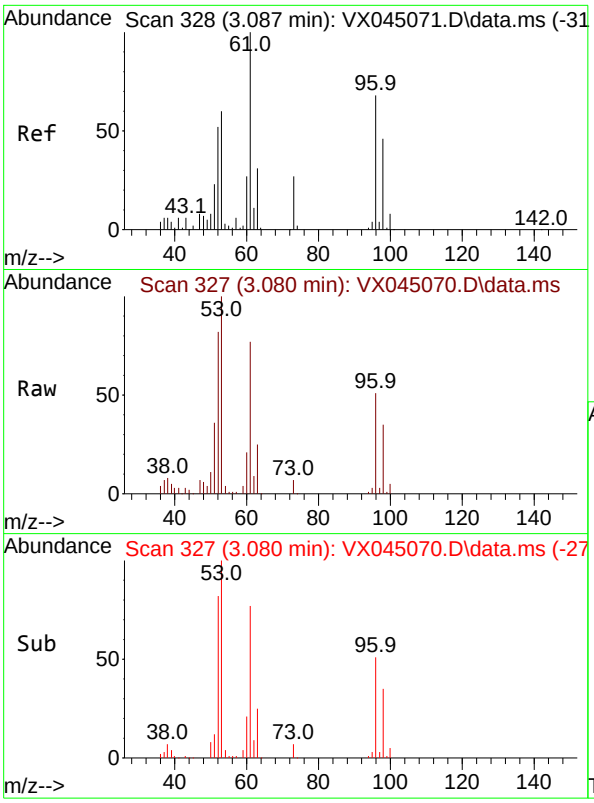


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0

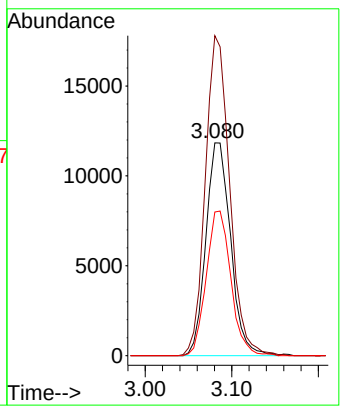




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2347

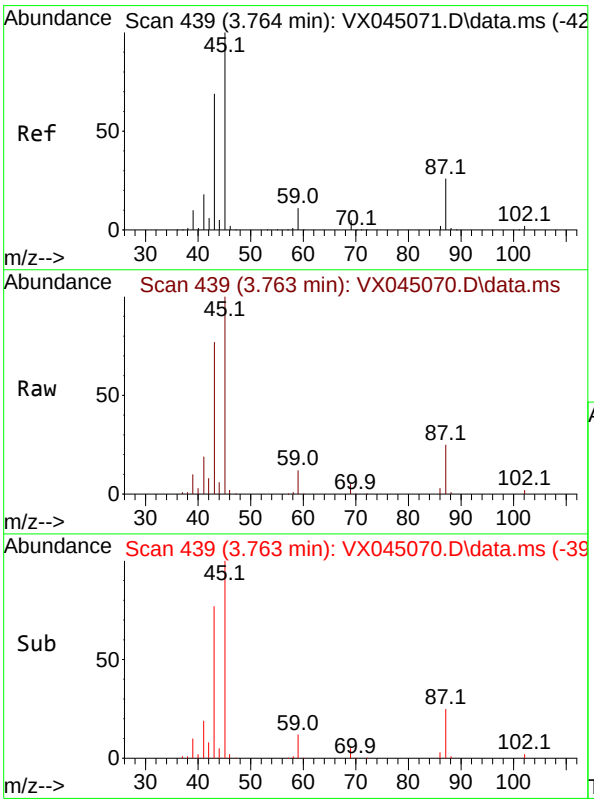
Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

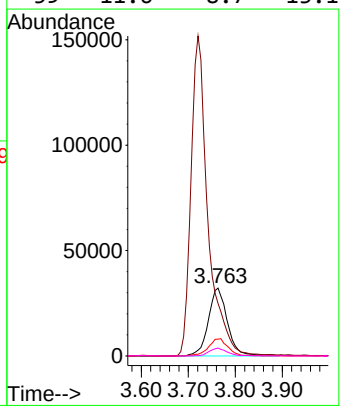
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

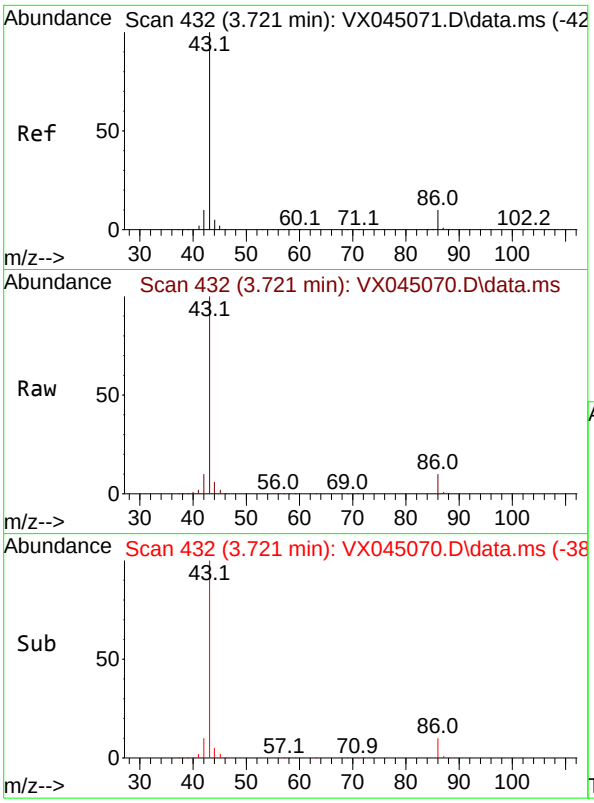


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1





#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

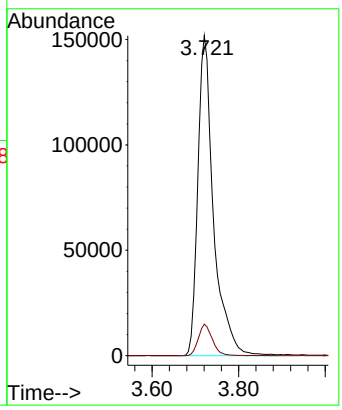
Tgt Ion: 43 Resp: 38180

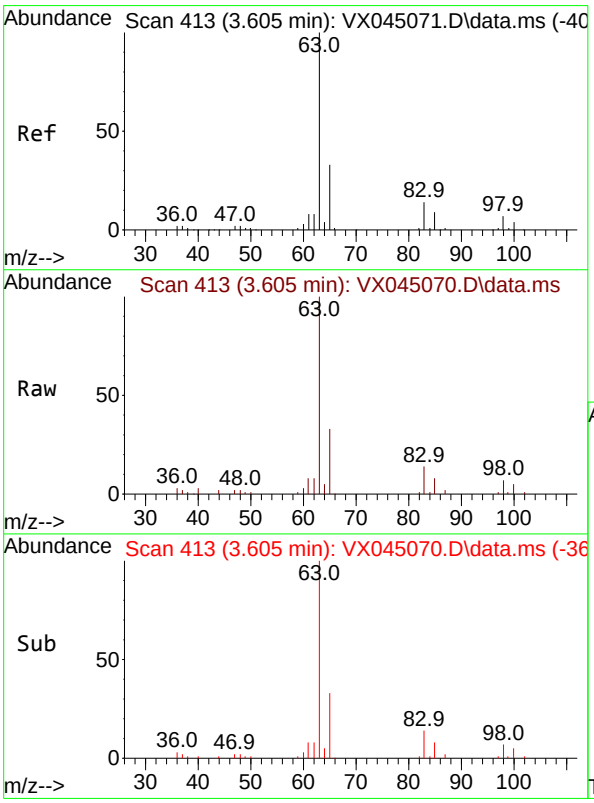
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

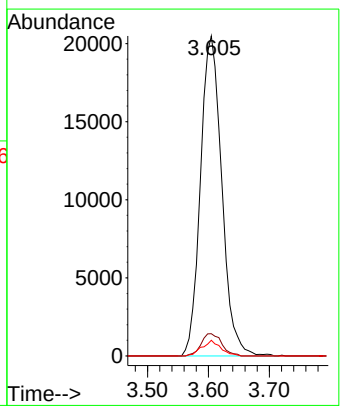


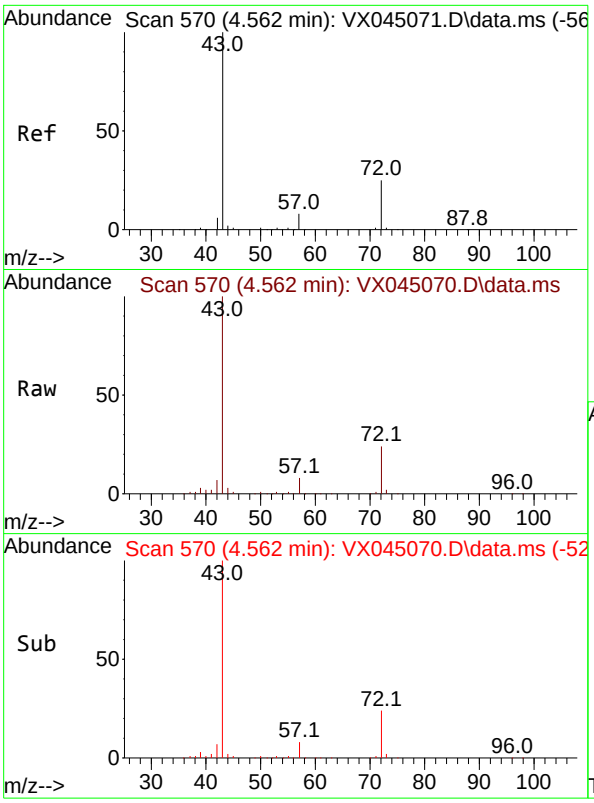


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

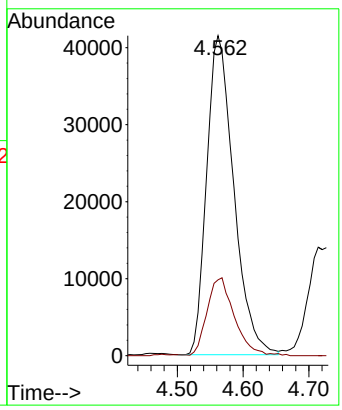
Tgt Ion: 43 Resp: 11871

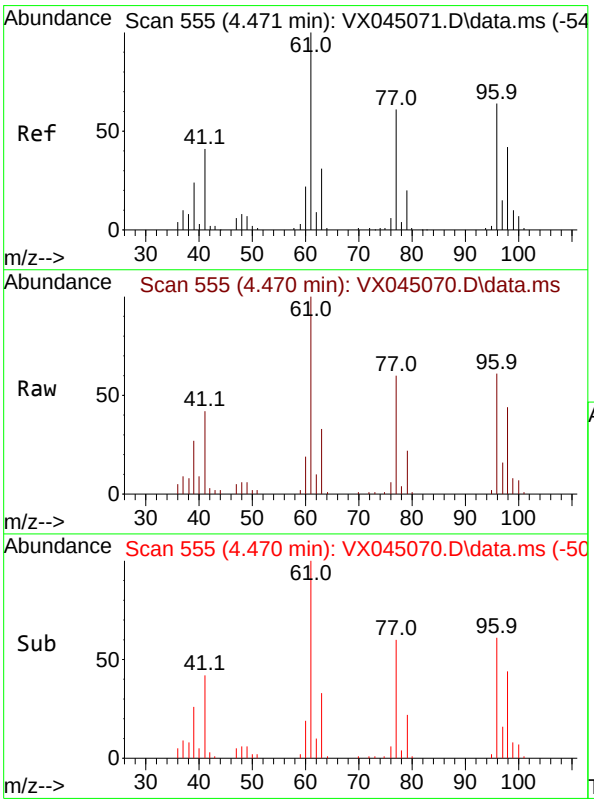
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

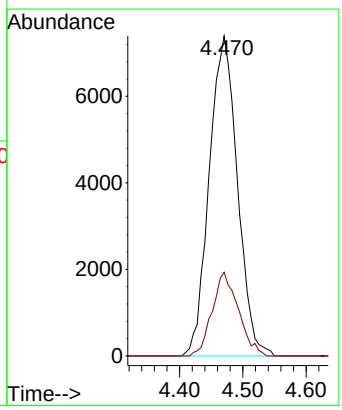


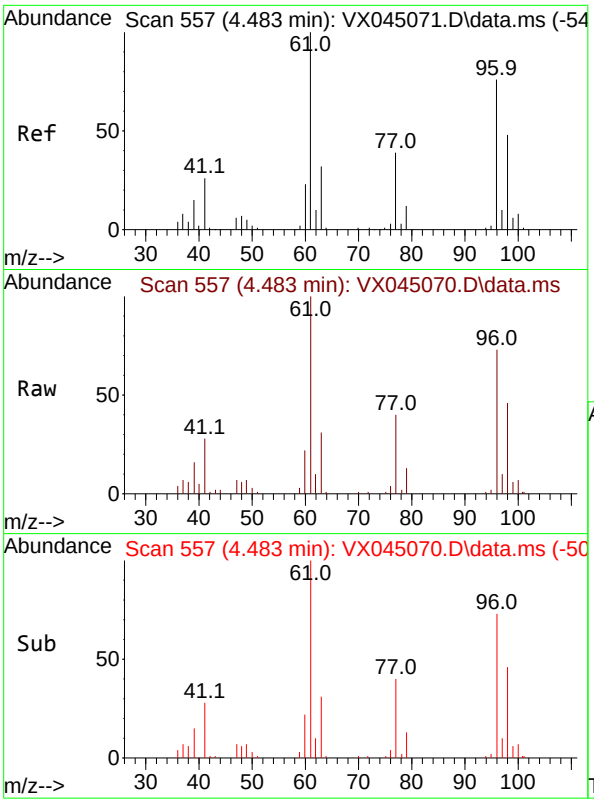


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

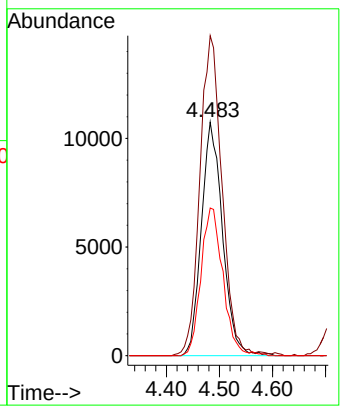




#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2978

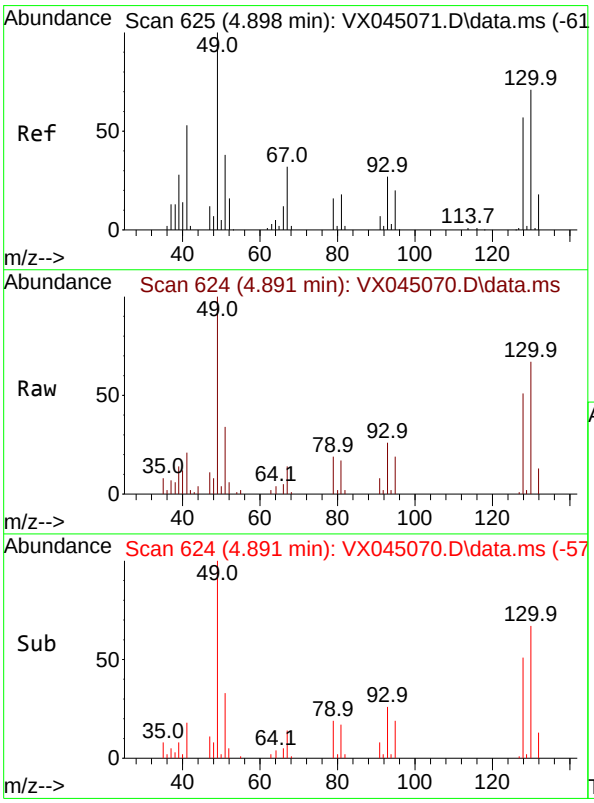
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

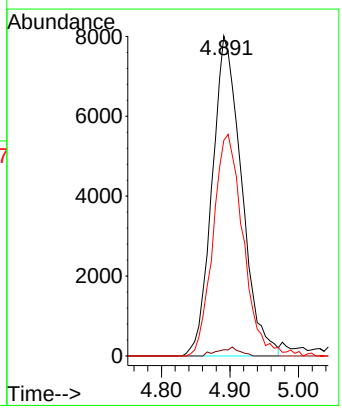
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

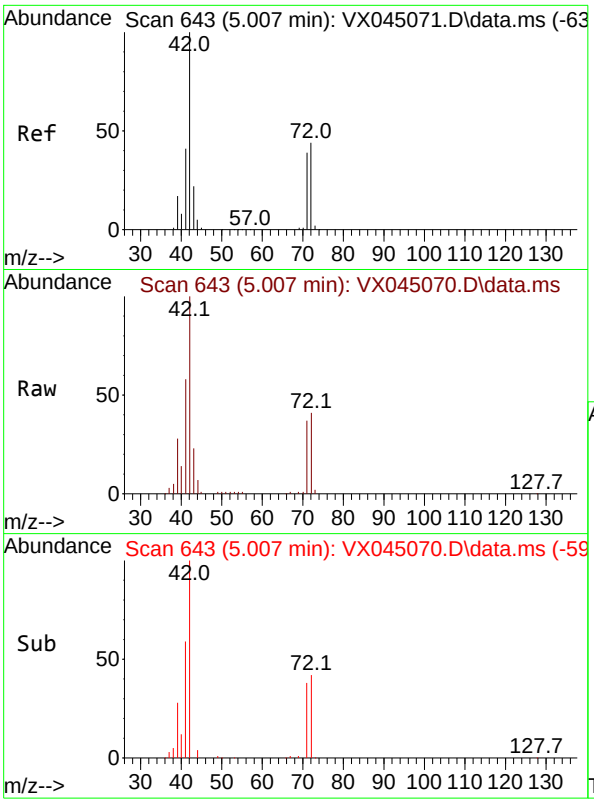


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

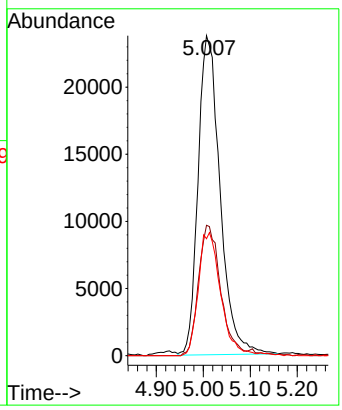
Tgt Ion: 42 Resp: 7743

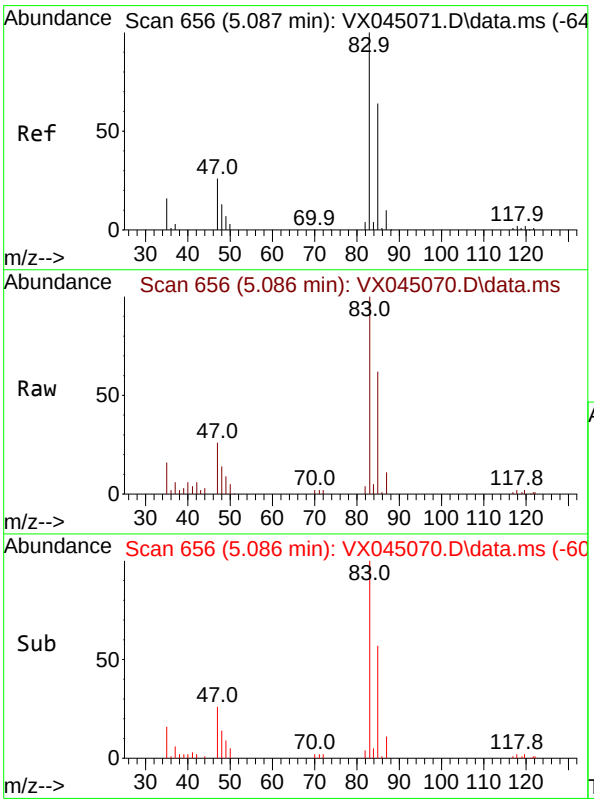
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

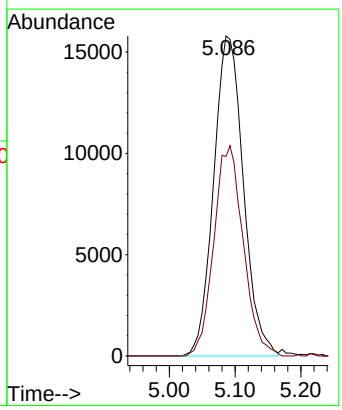


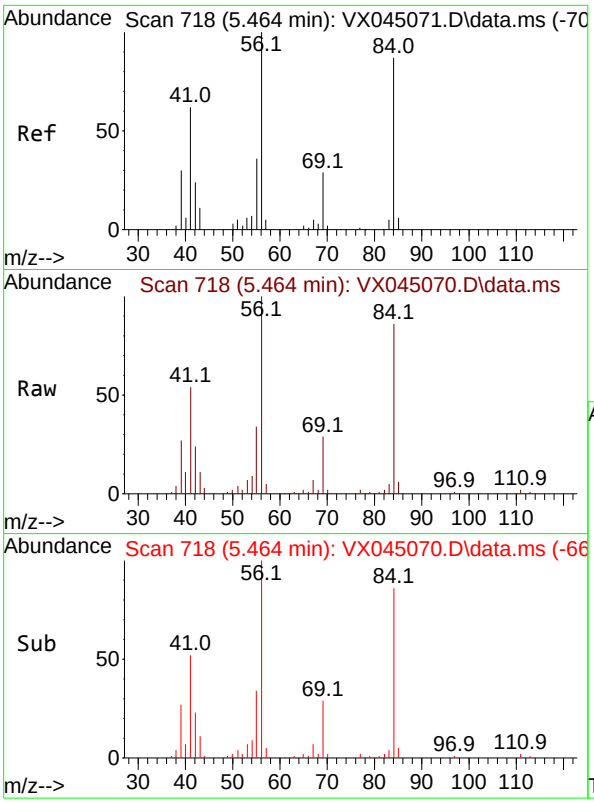


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

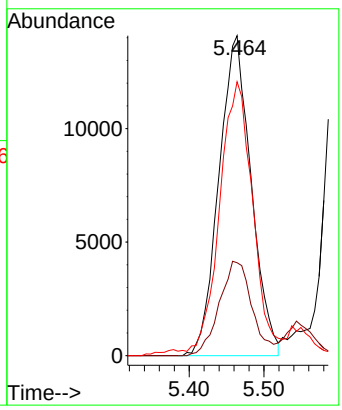




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

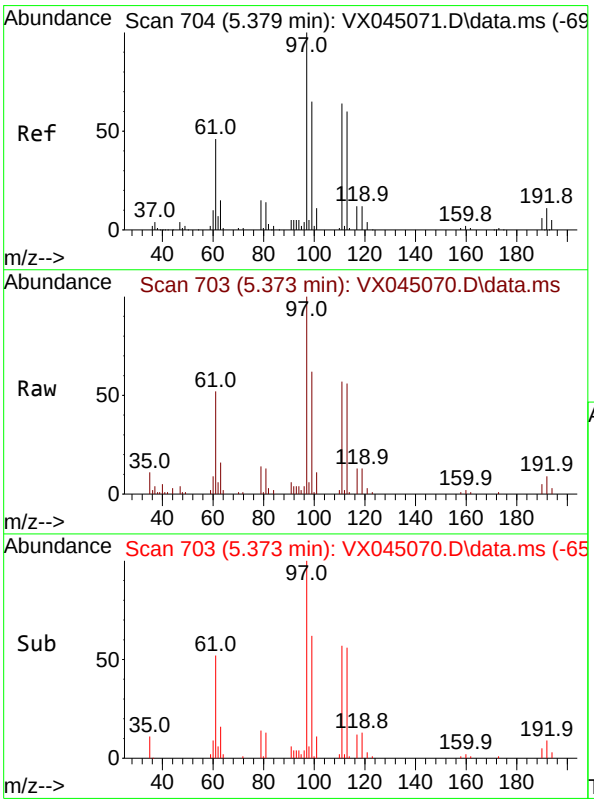
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

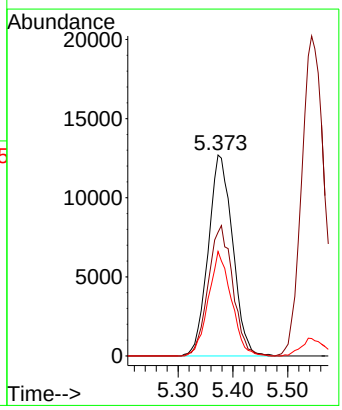
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

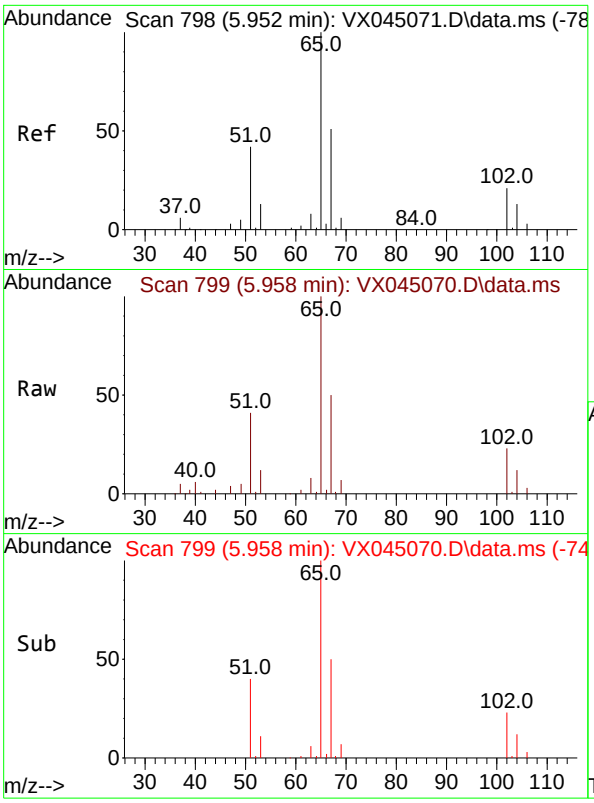


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6

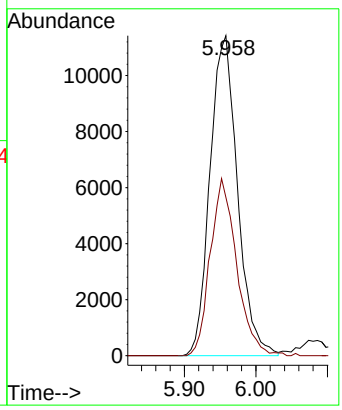




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

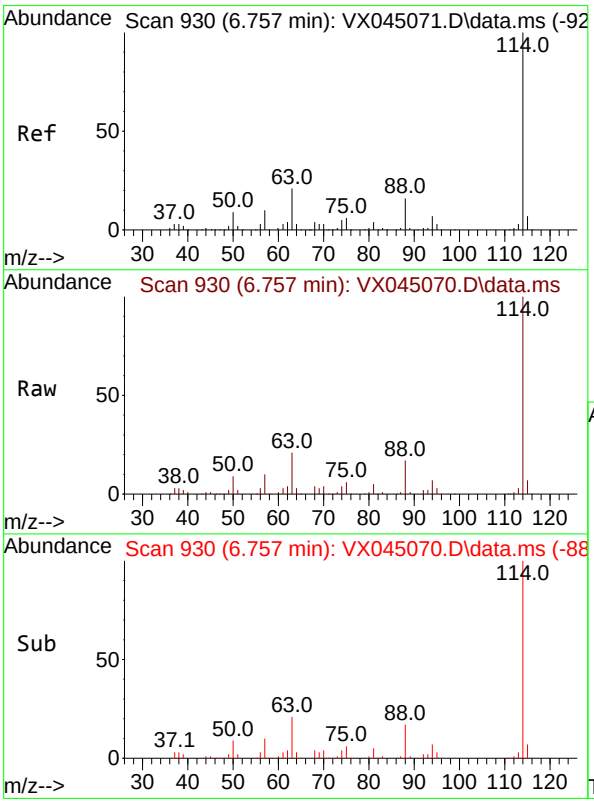
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

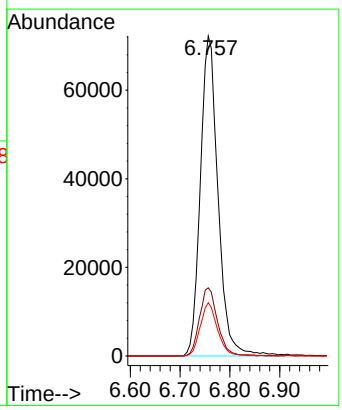
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

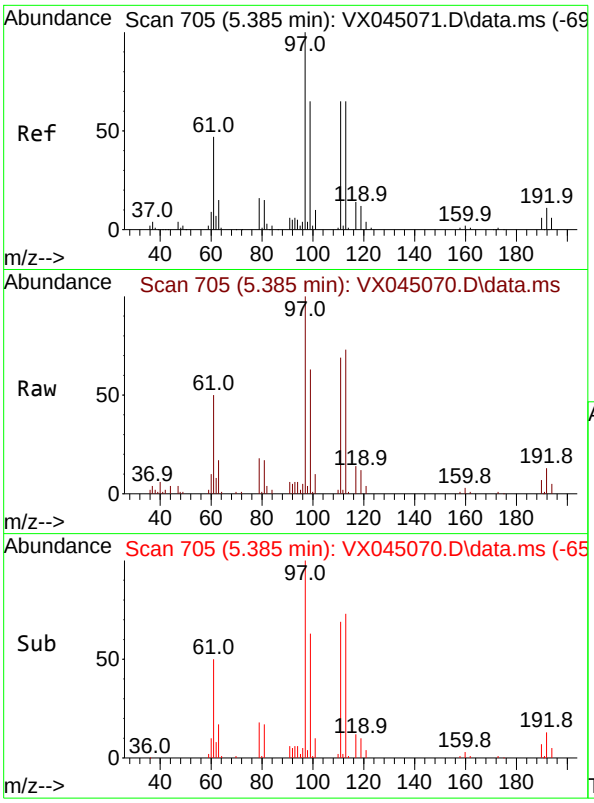


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8

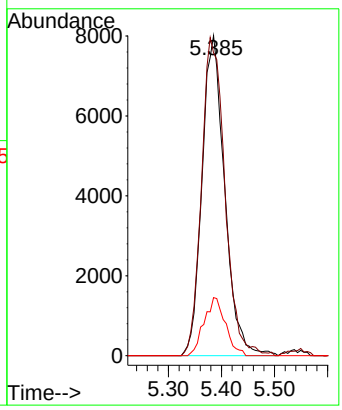




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

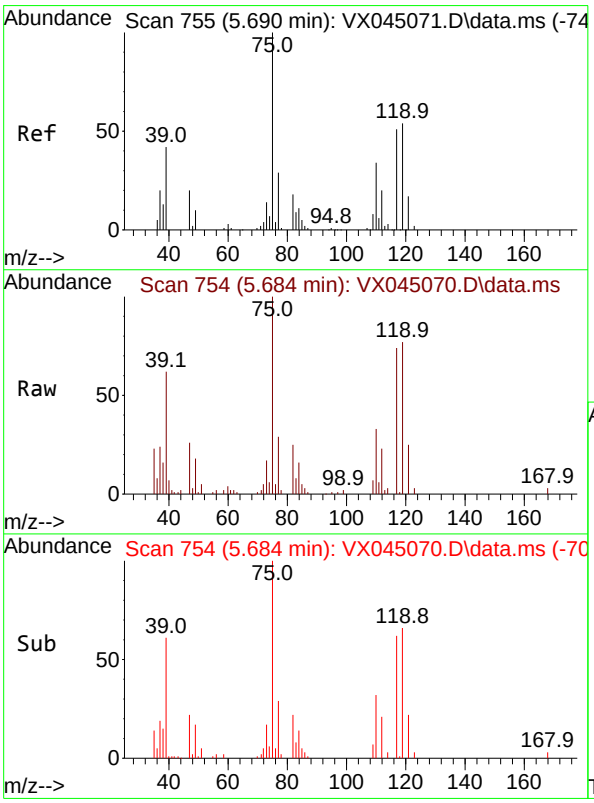
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

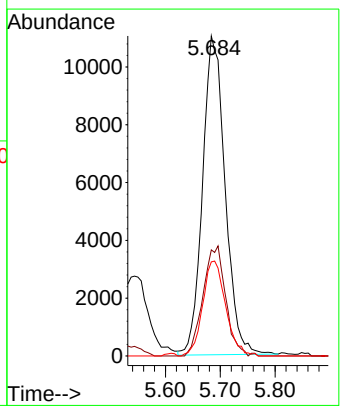
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

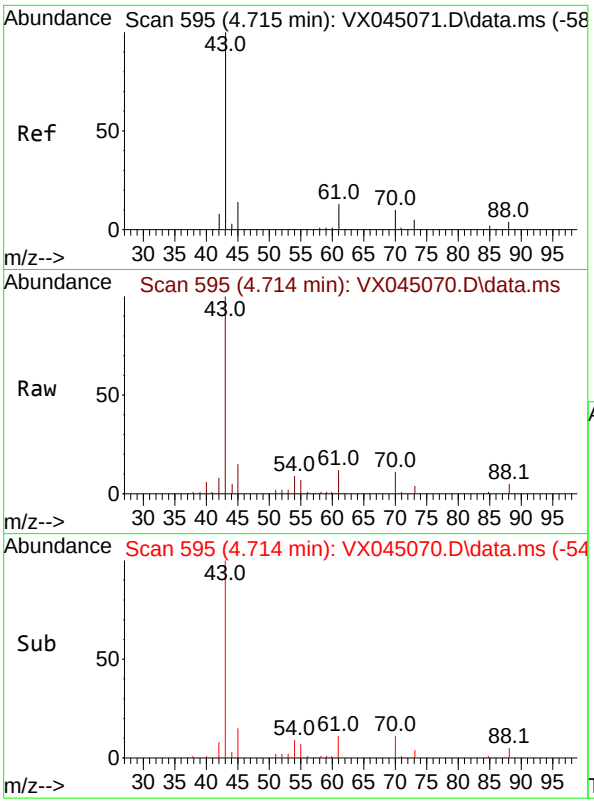


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7

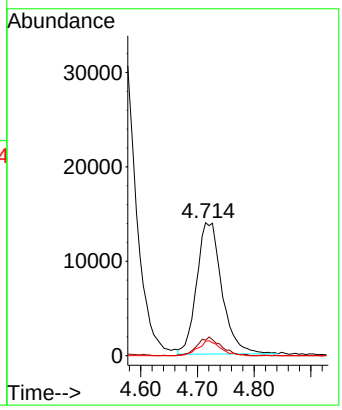




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

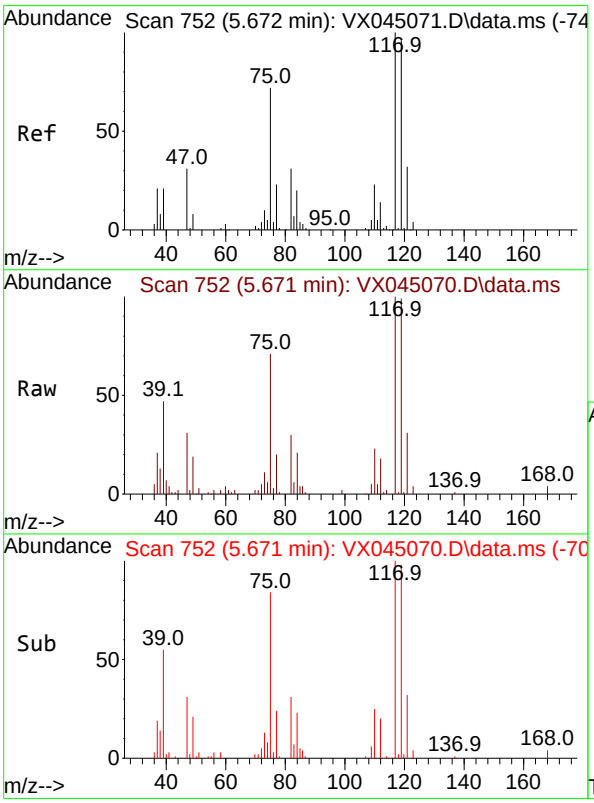
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

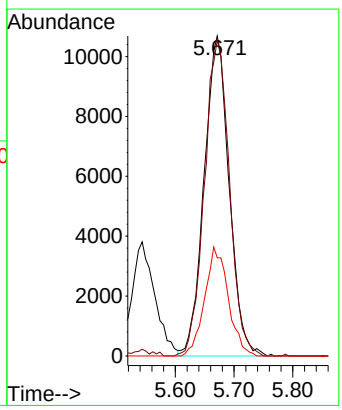
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

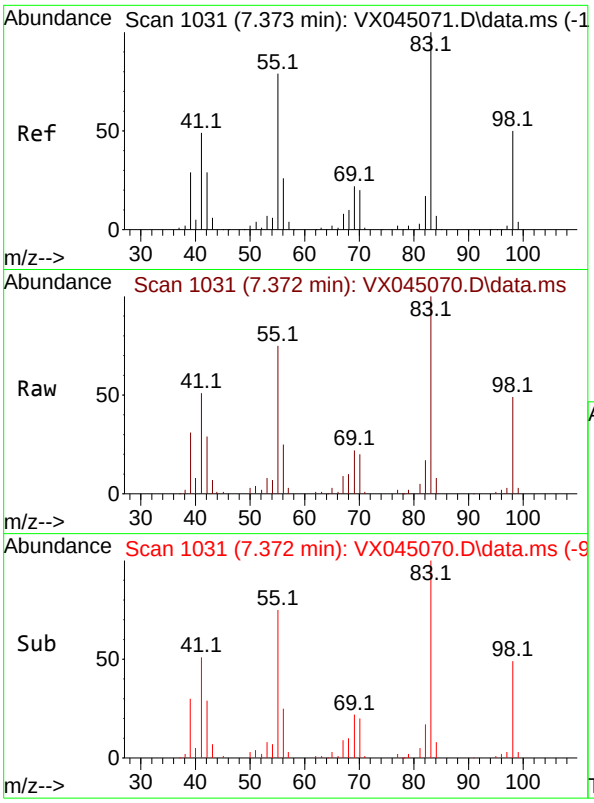


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3

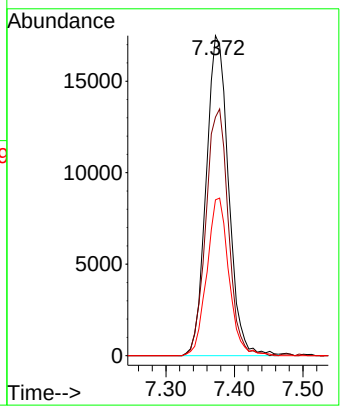




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

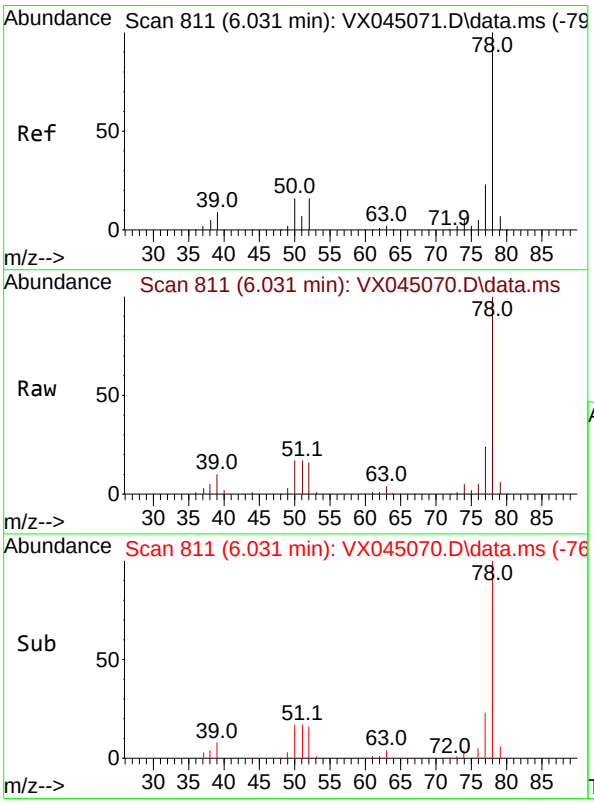
Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

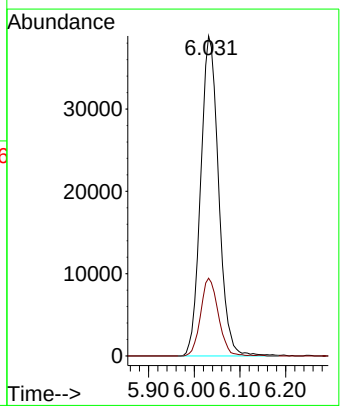
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

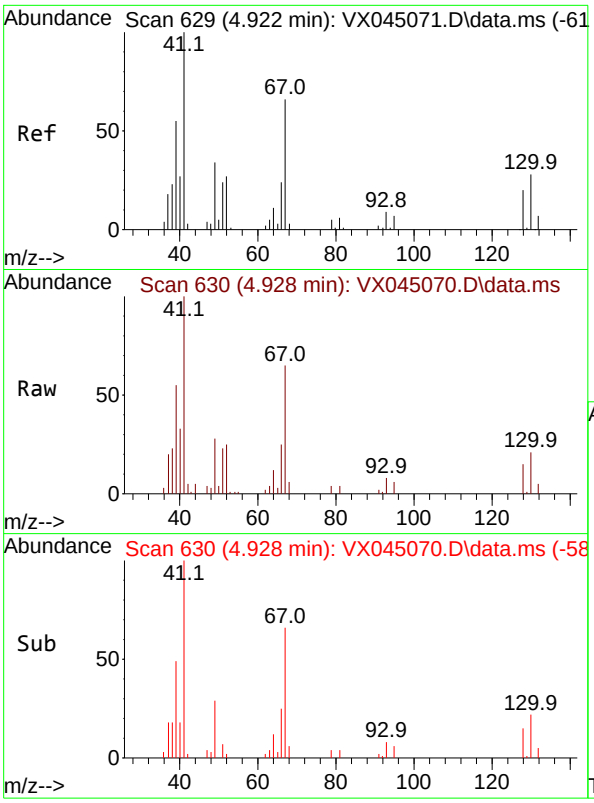


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

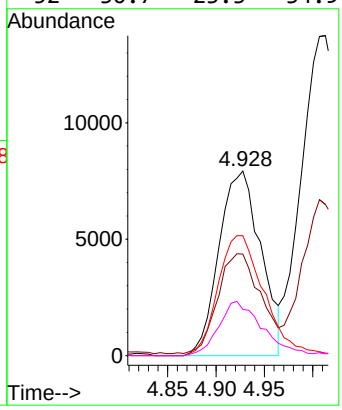




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

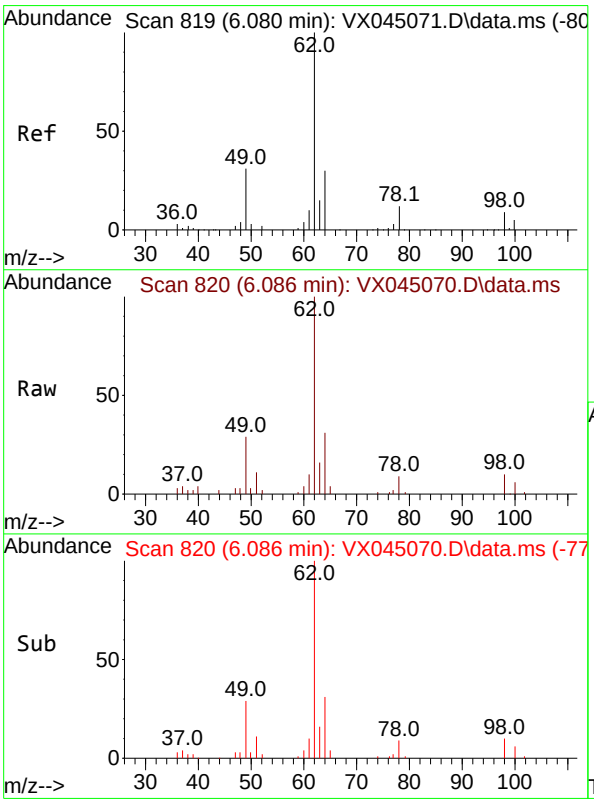
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

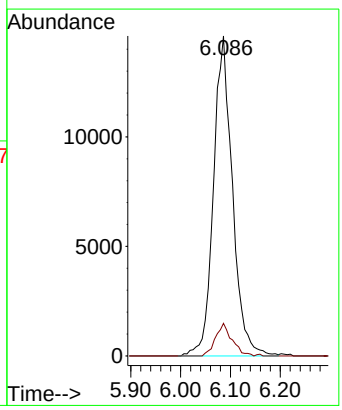
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

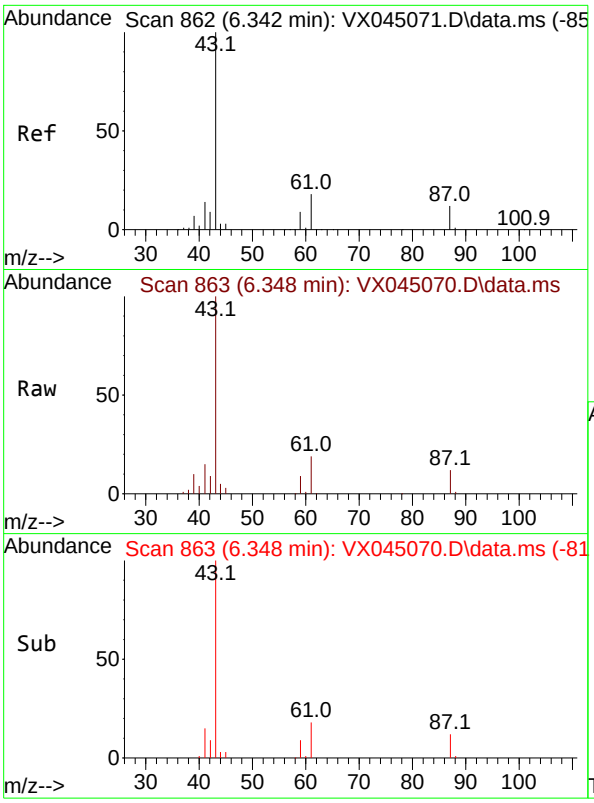


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

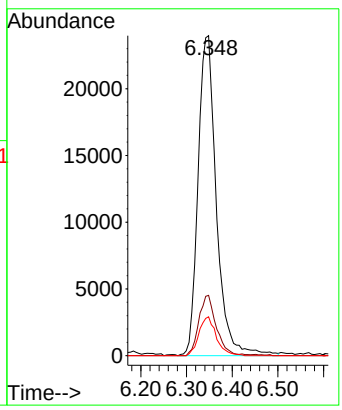
Tgt Ion: 43 Resp: 6672

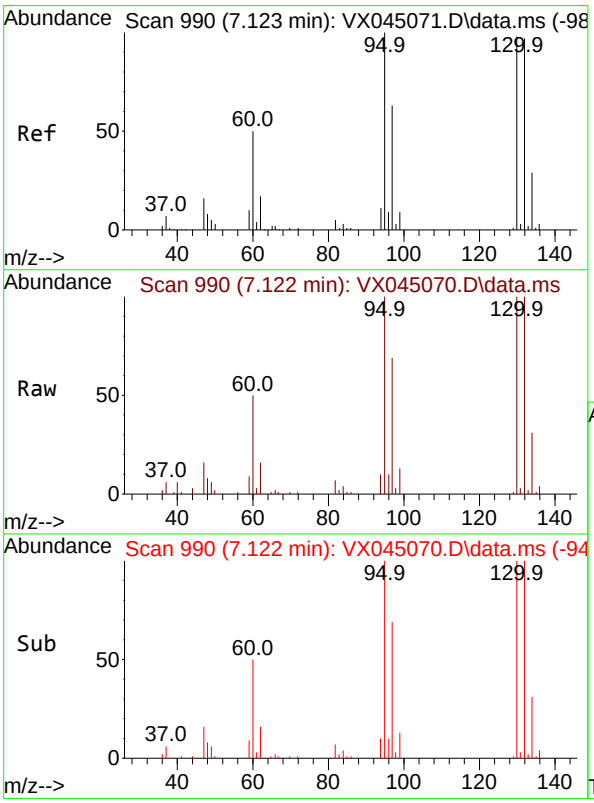
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

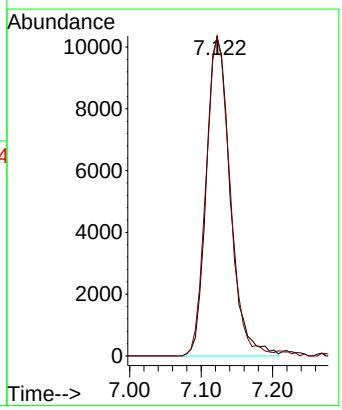


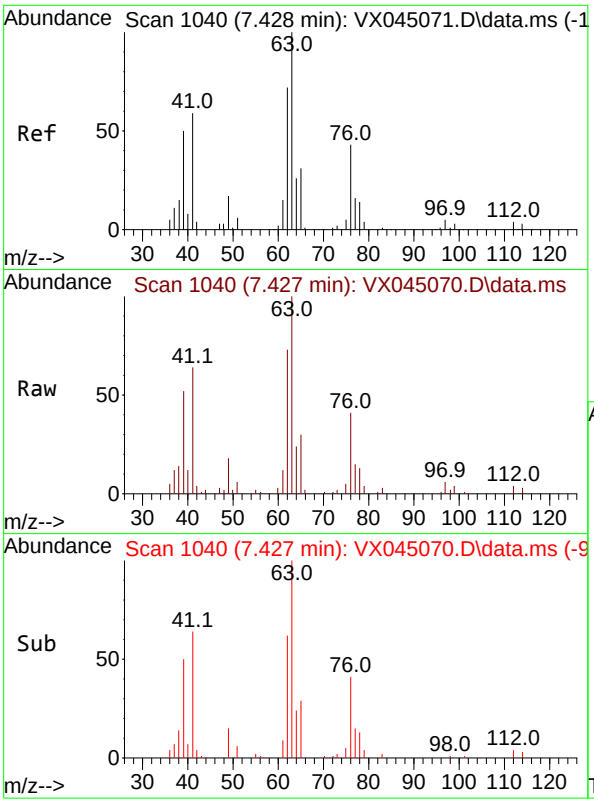


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

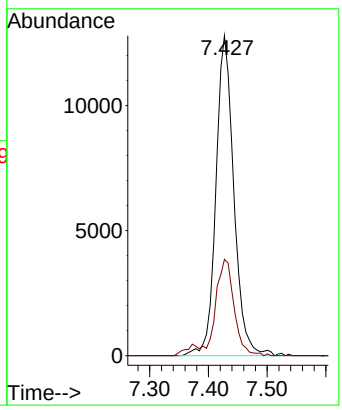




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

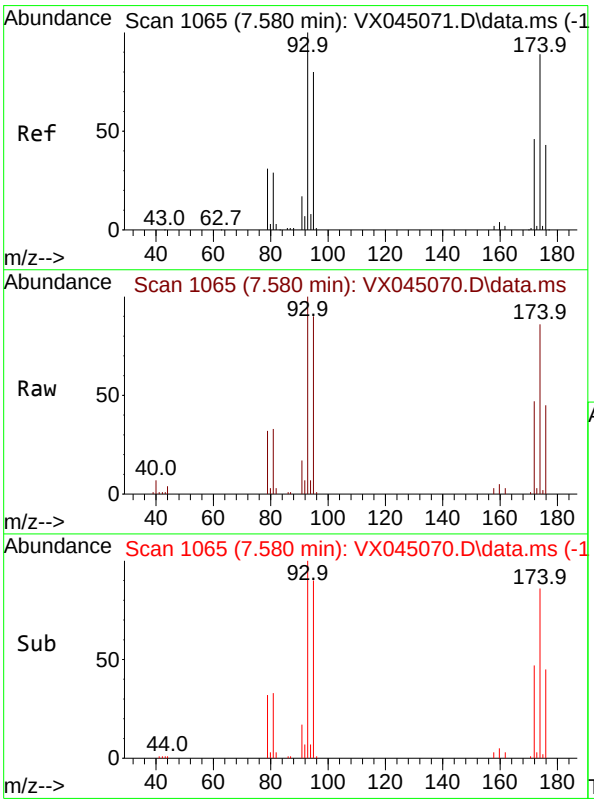
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

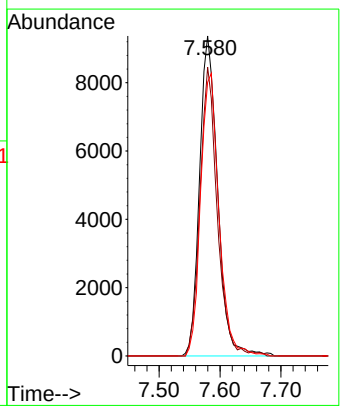
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

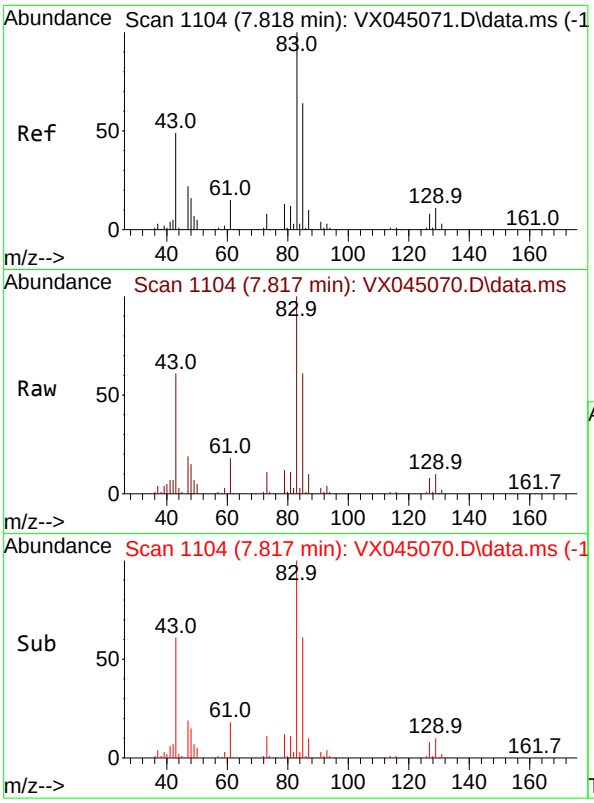


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2

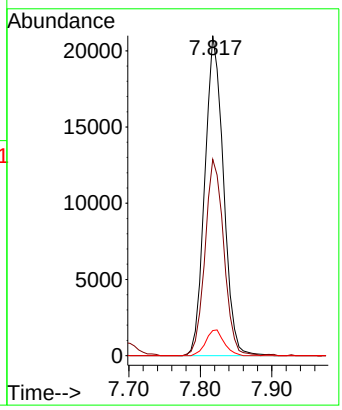




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

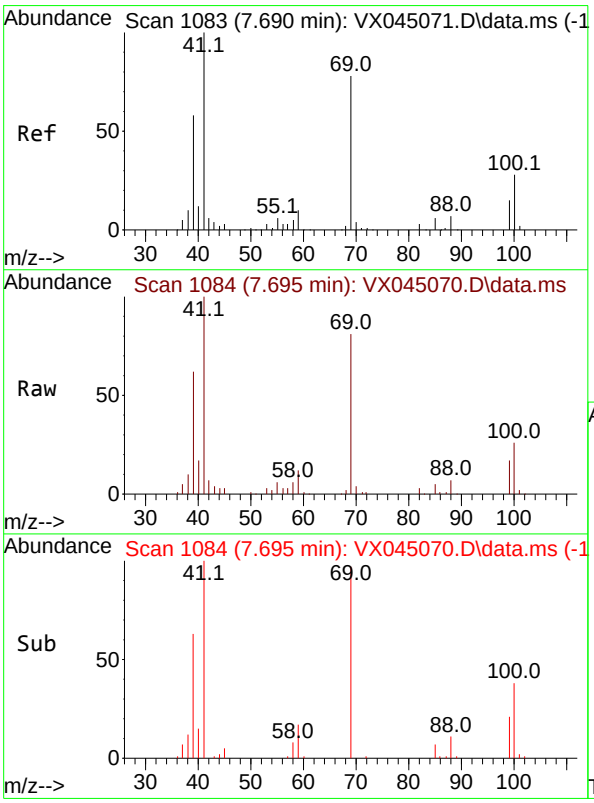
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

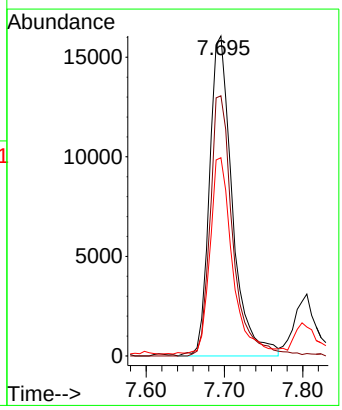
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

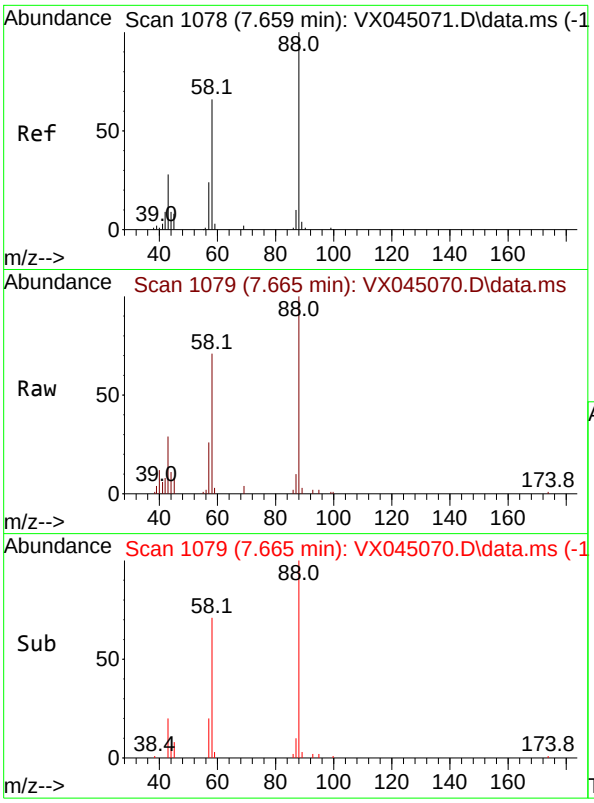


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3

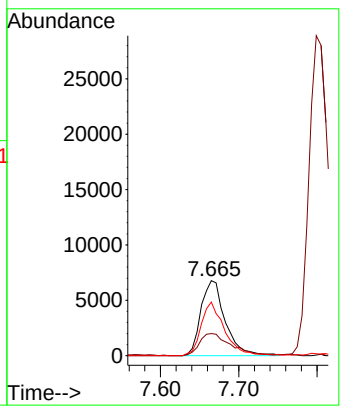




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

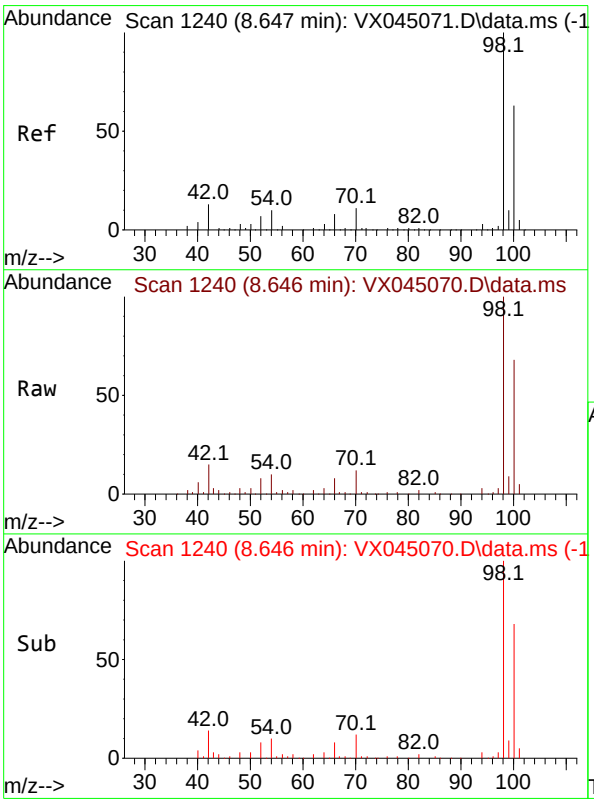
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

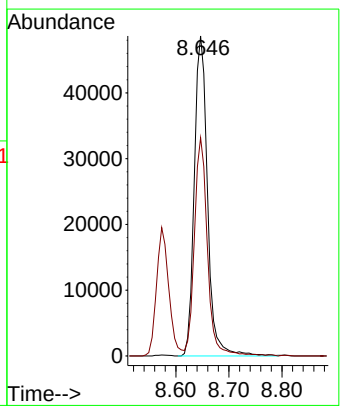
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

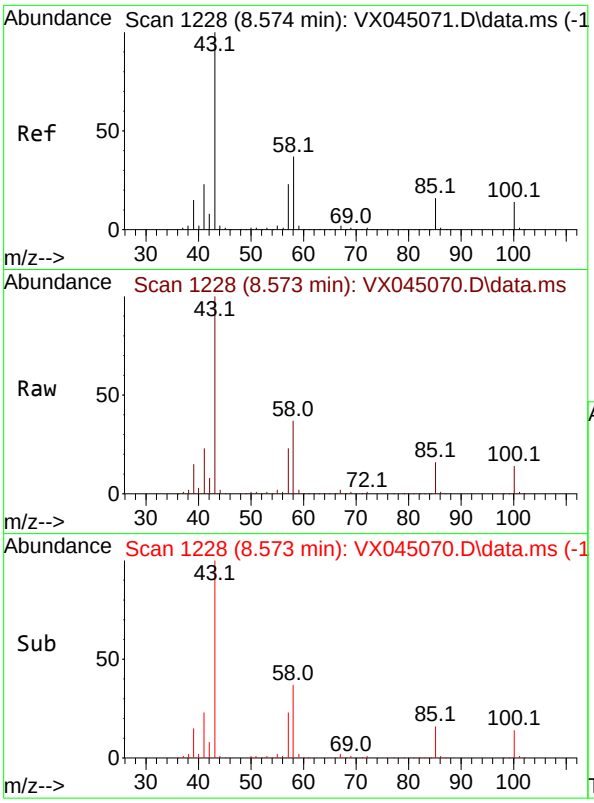


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0

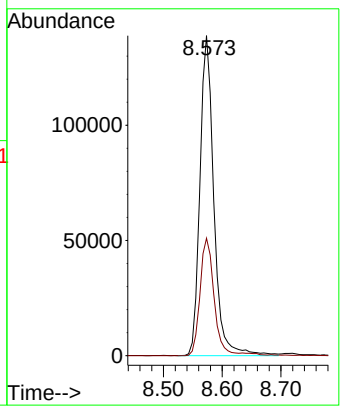




#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 22961

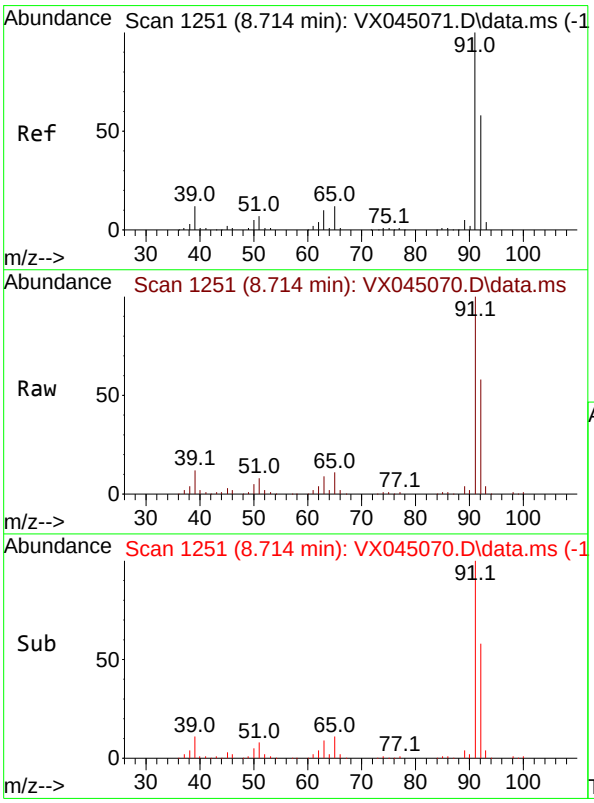
Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

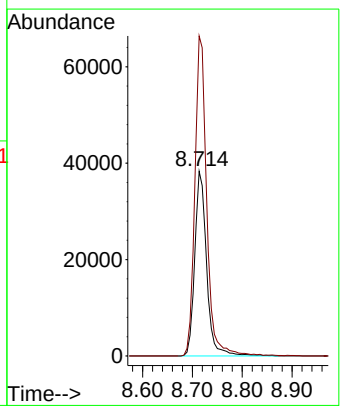
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

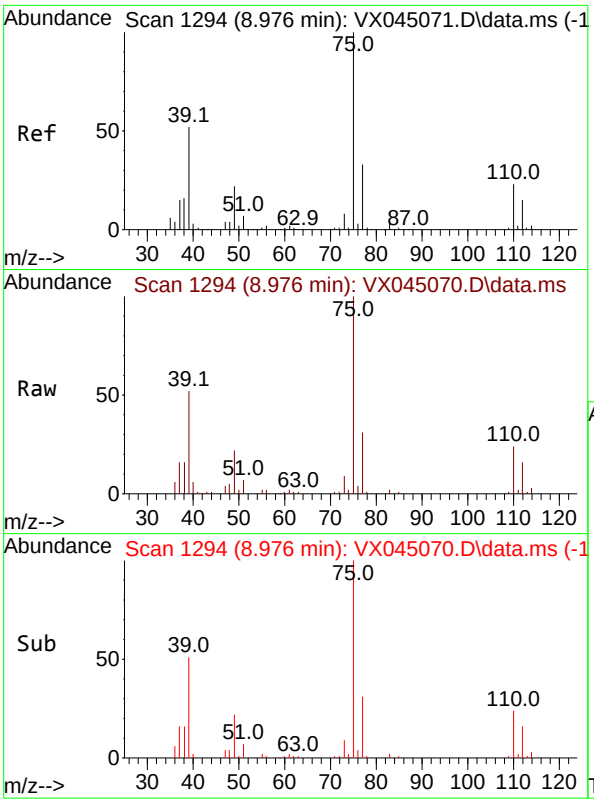


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

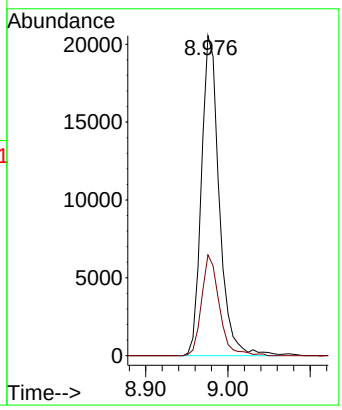




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

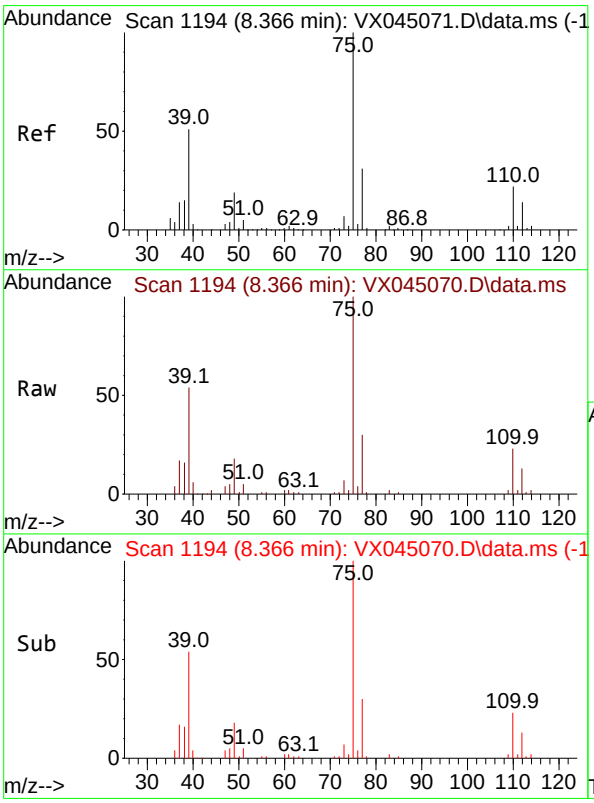
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

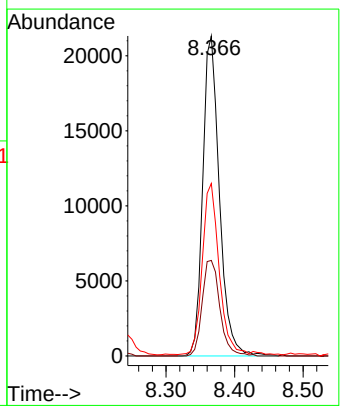
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

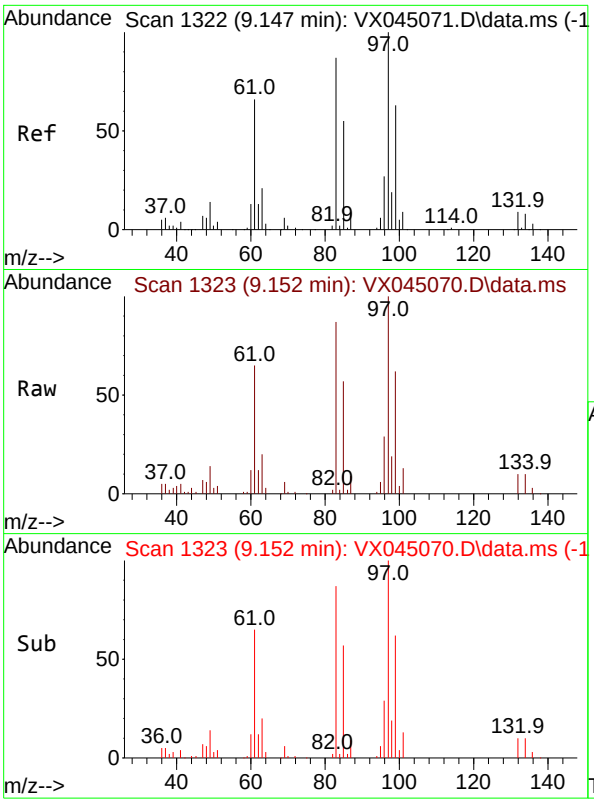


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1

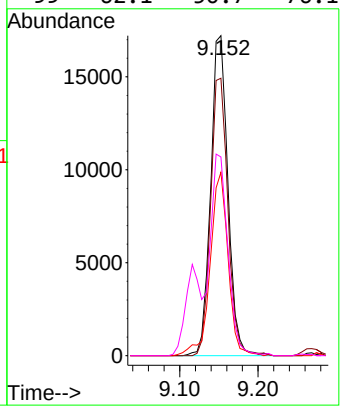




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

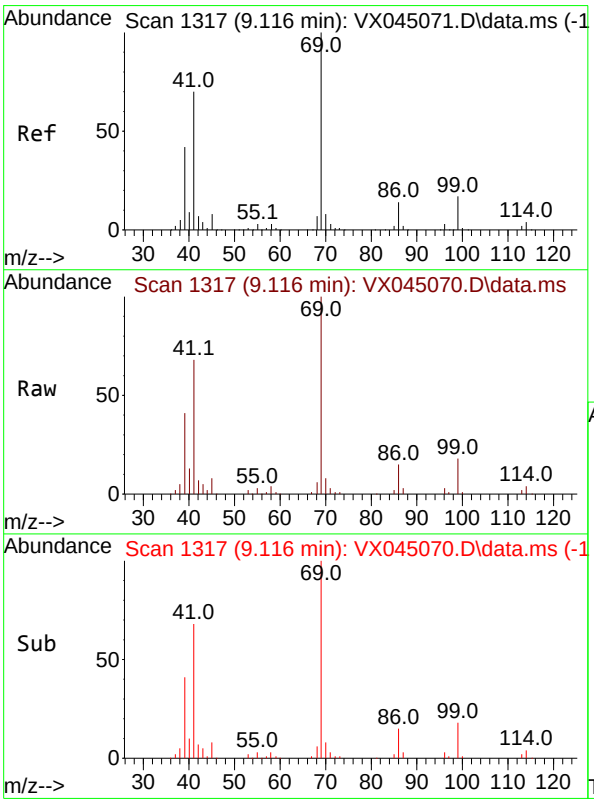
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

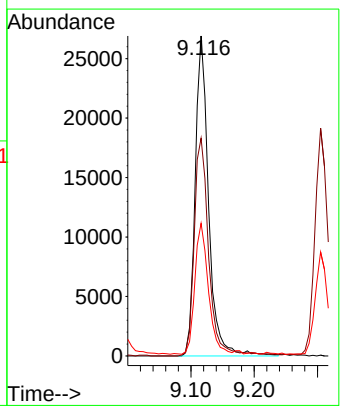
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

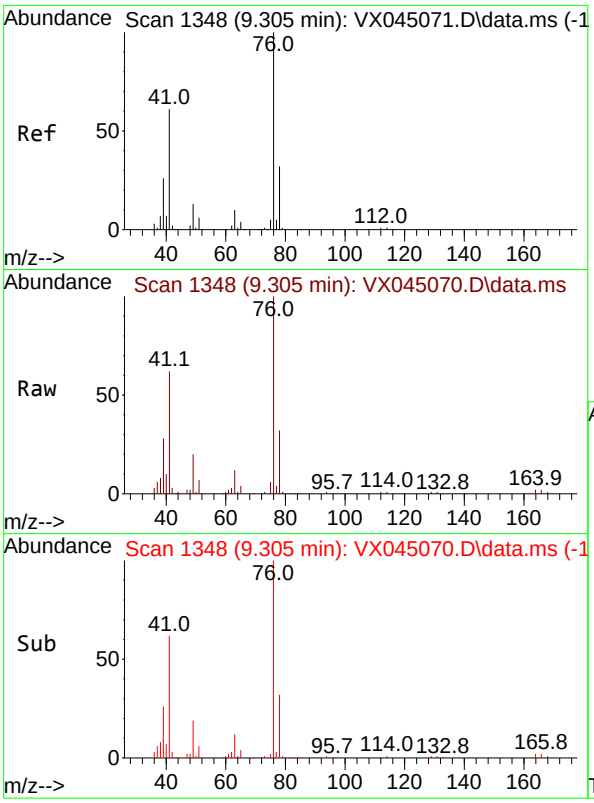


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4

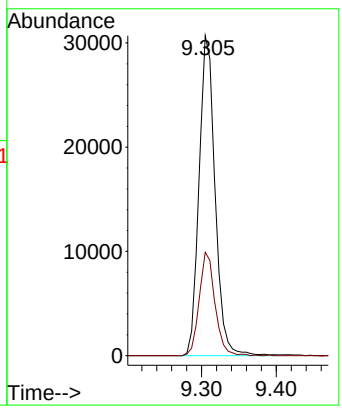




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

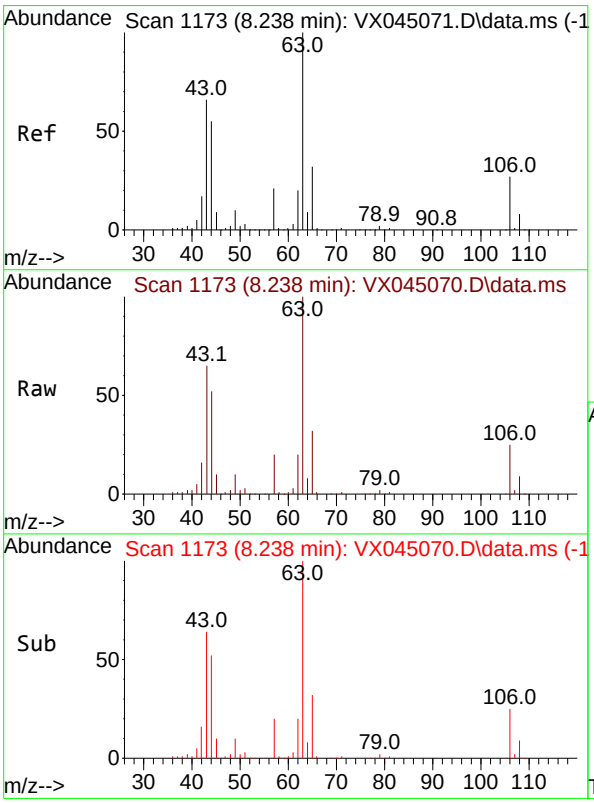
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

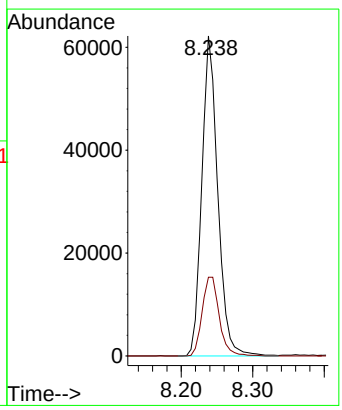
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

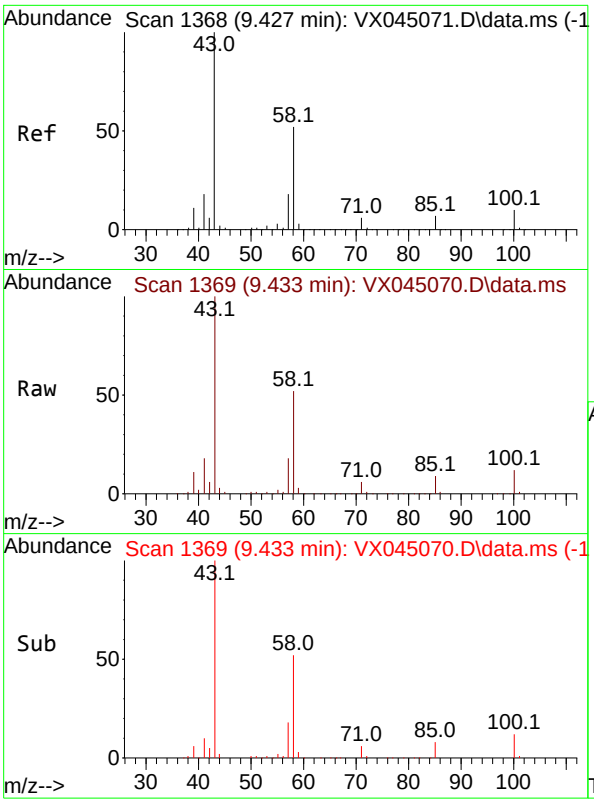


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

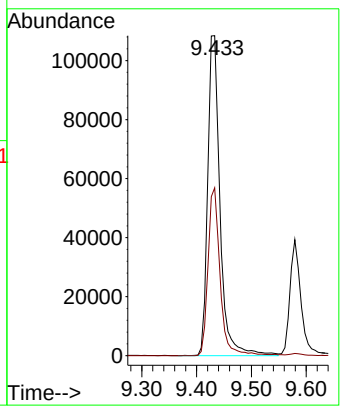
Tgt Ion: 43 Resp: 16876

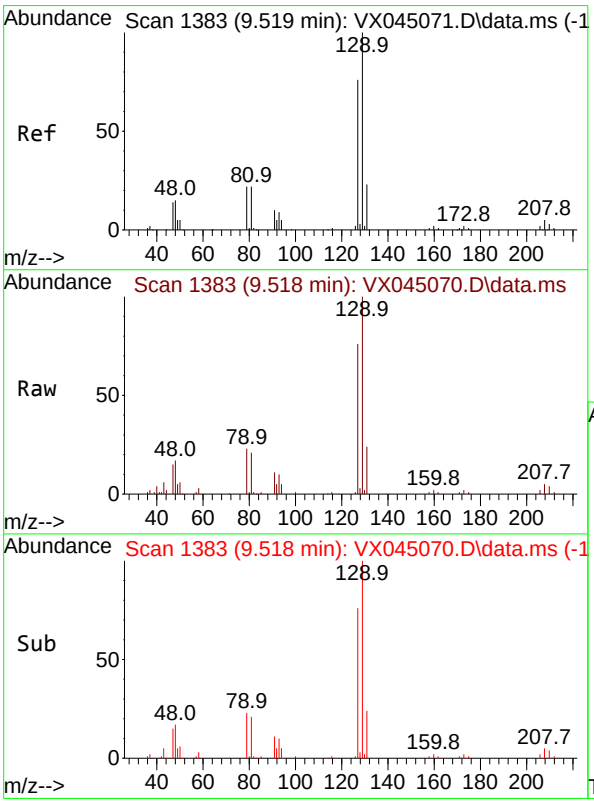
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

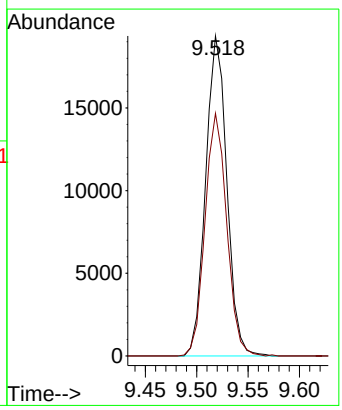


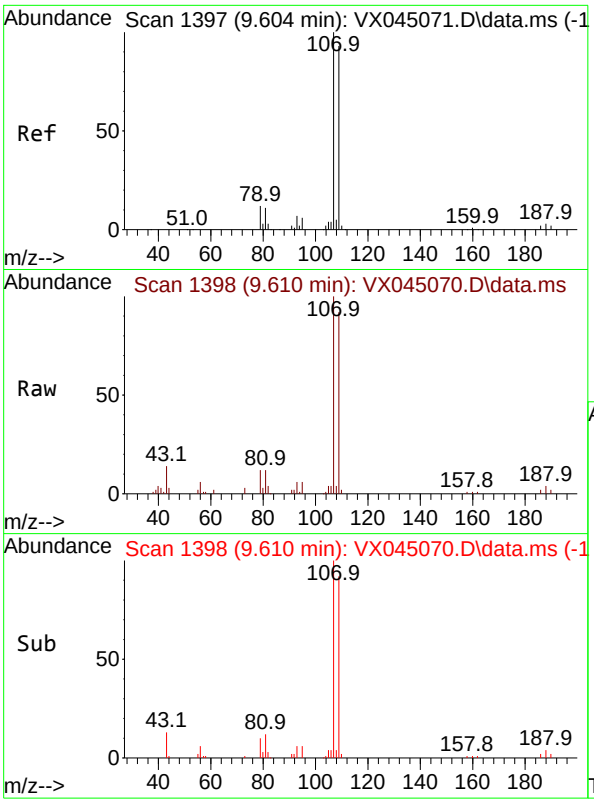


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5

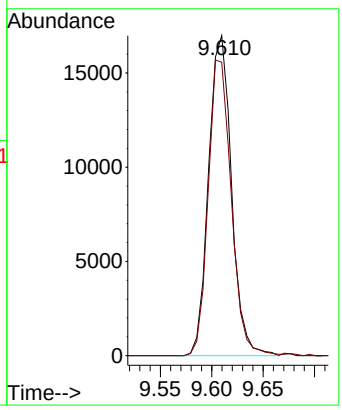




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:107 Resp: 2631

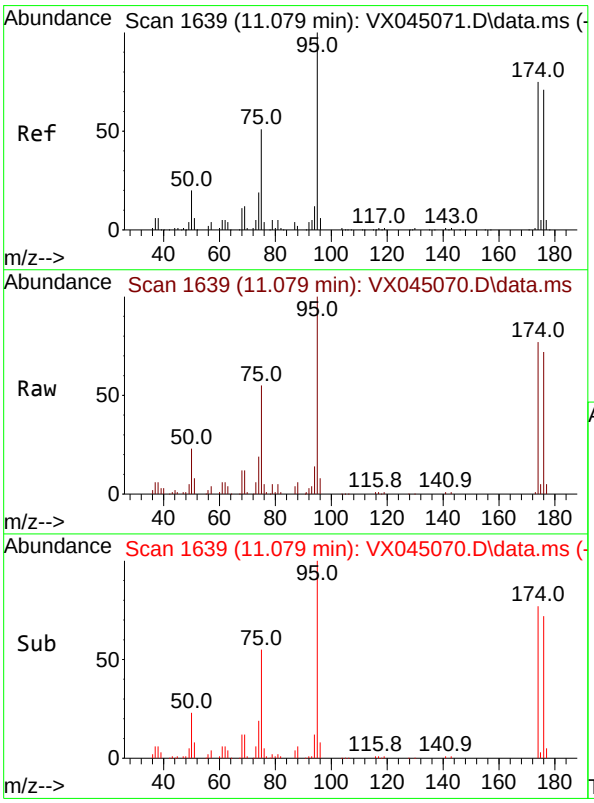
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

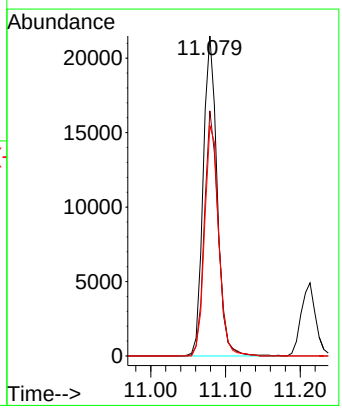
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

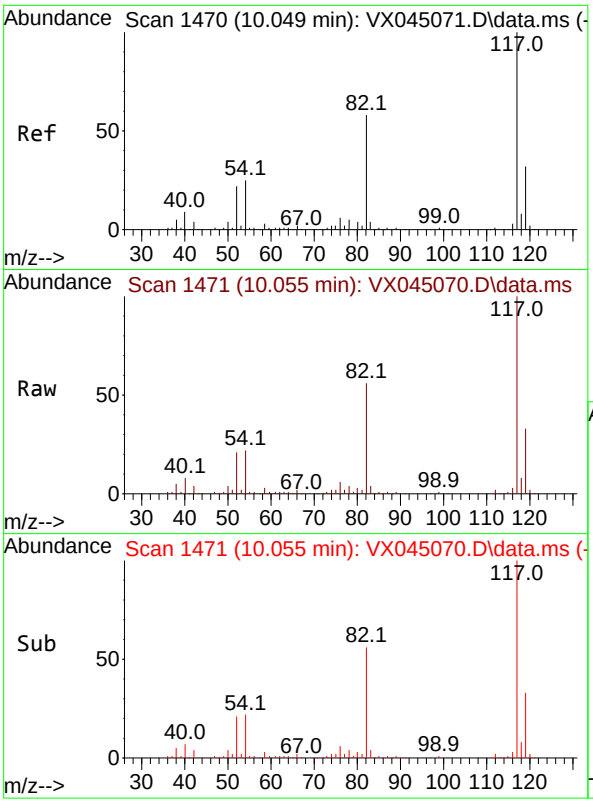


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4

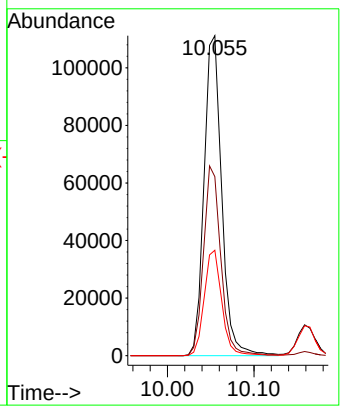




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

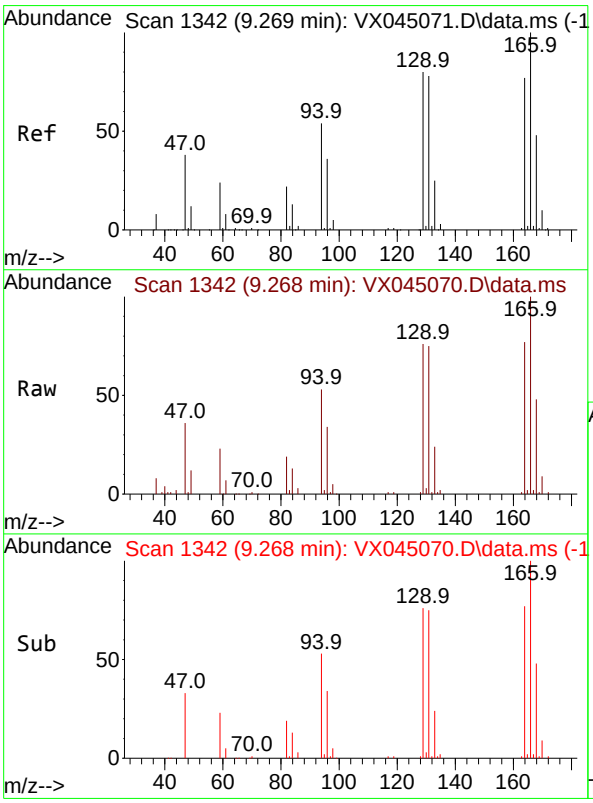
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

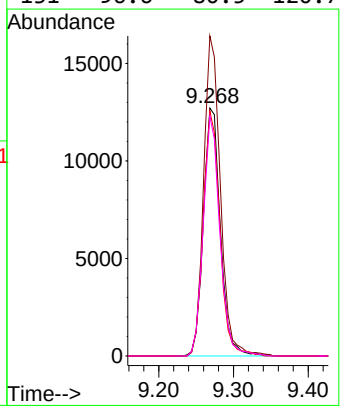
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

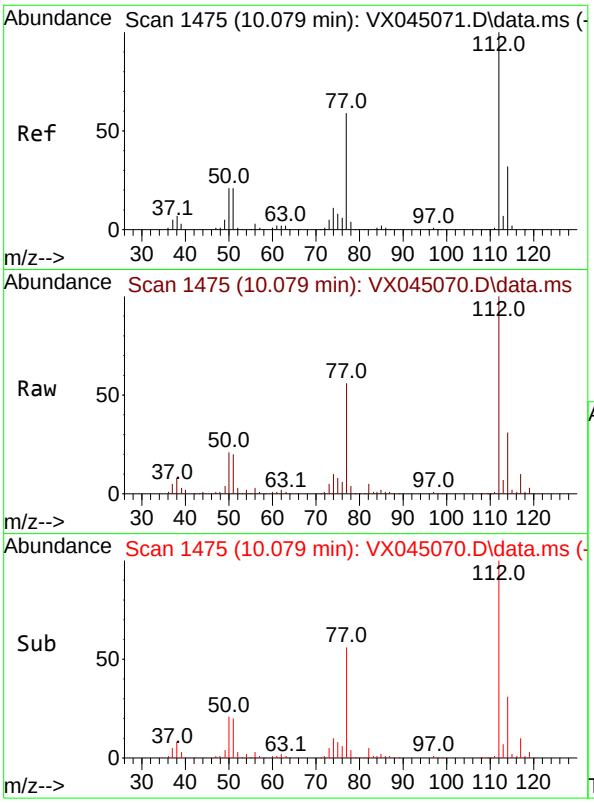


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7

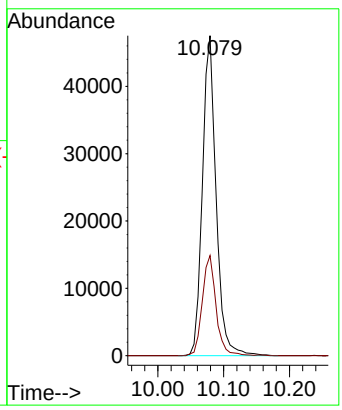




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

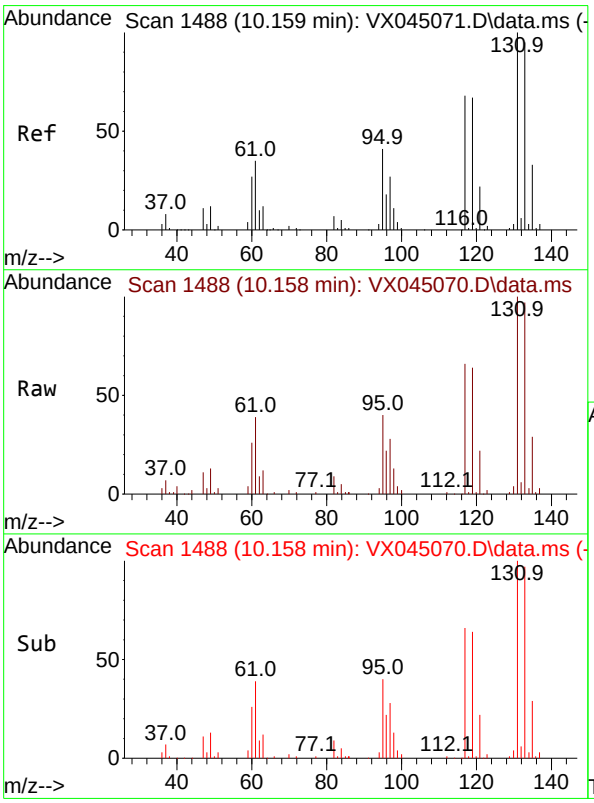
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

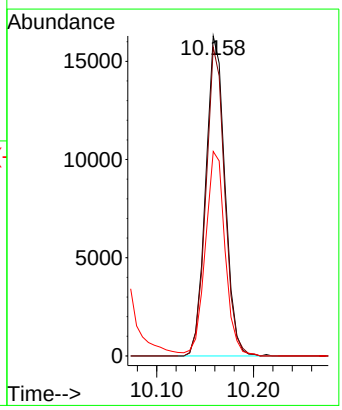
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

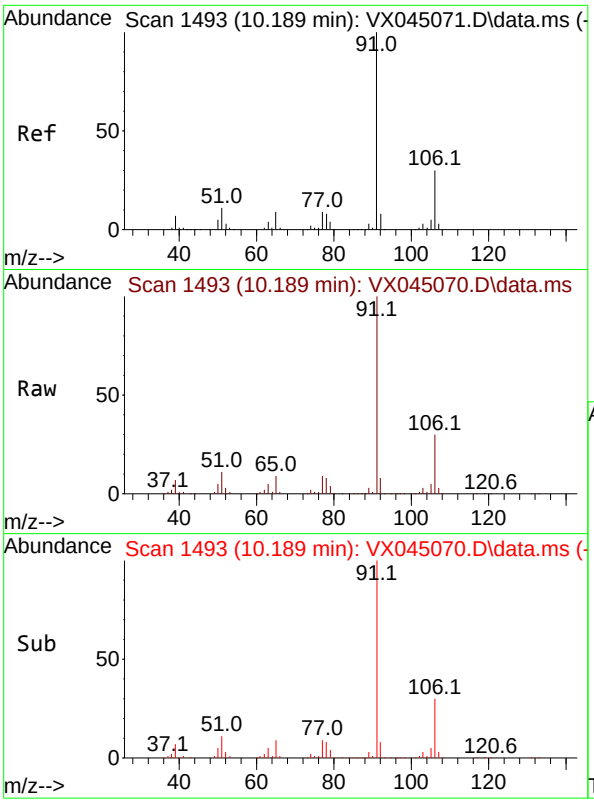


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7

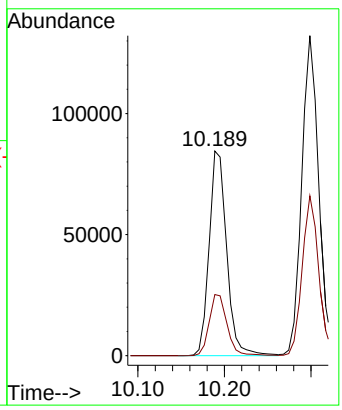




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 11916

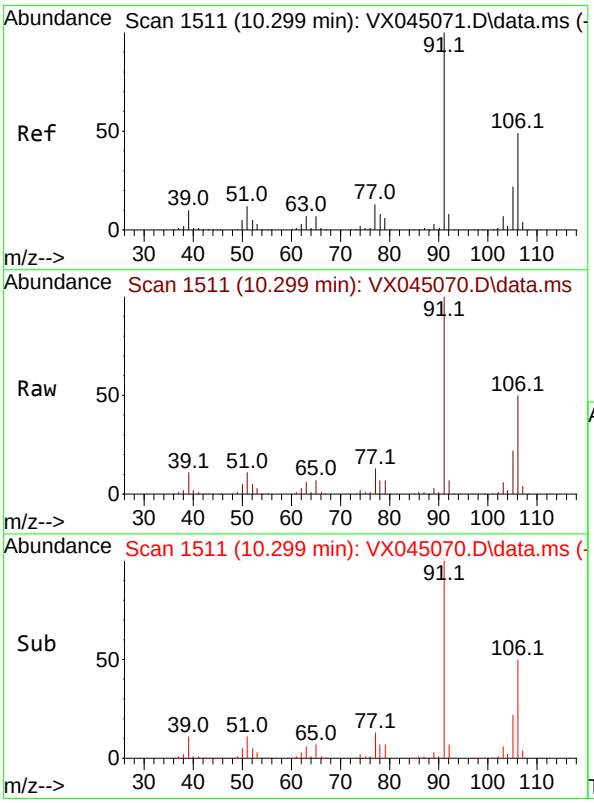
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

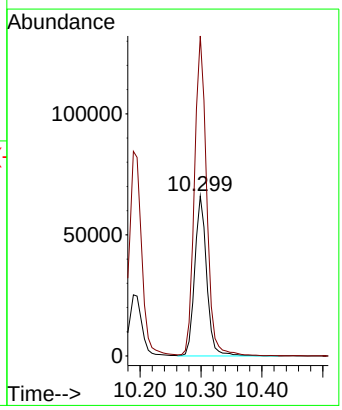
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

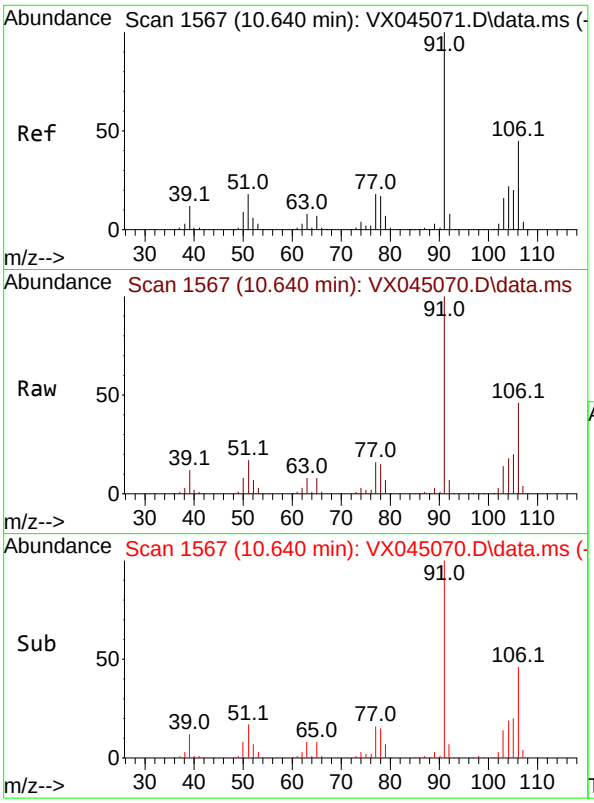


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

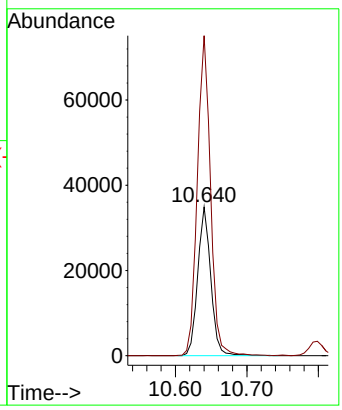




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

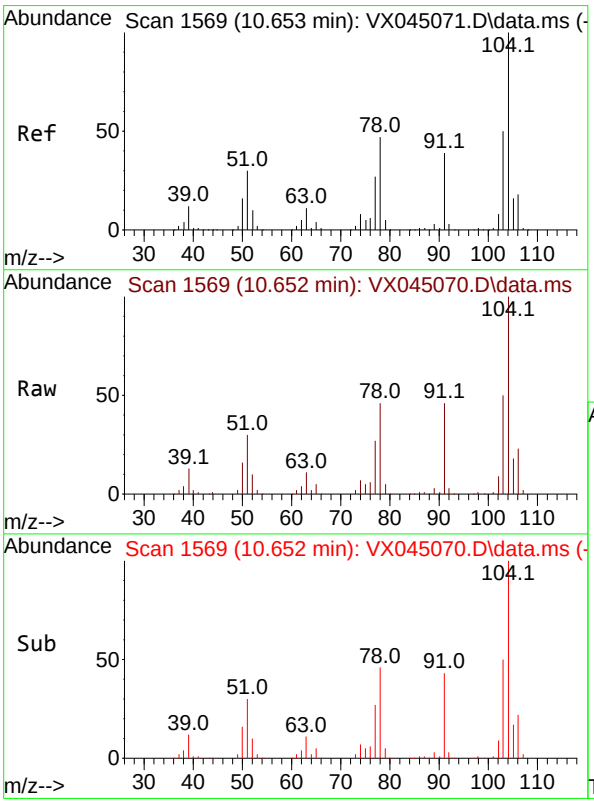
Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

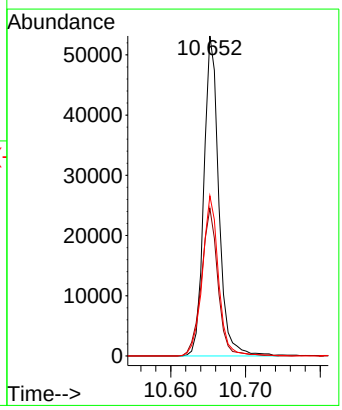
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

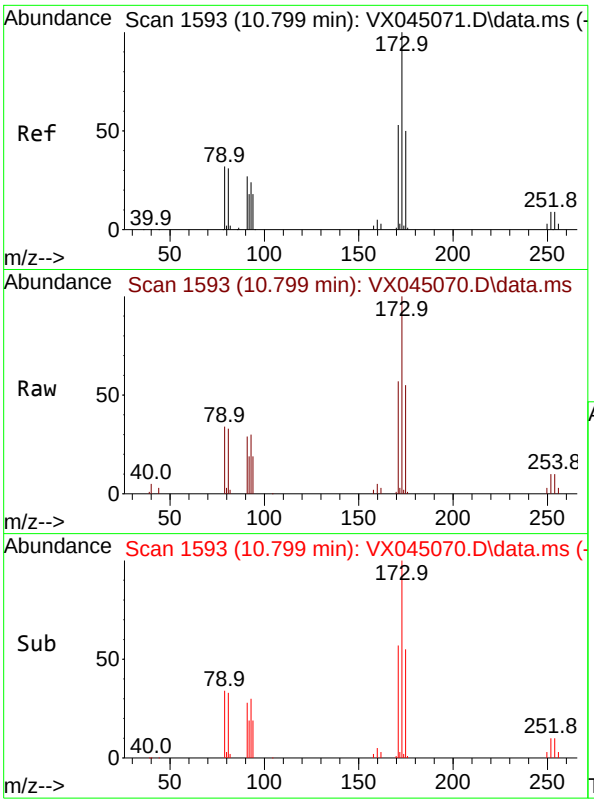


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8

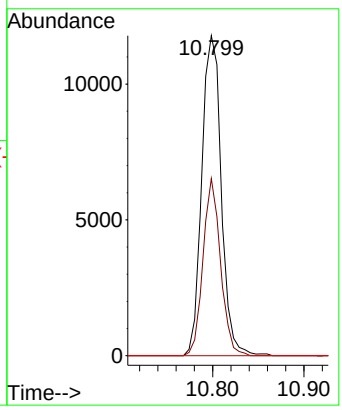




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

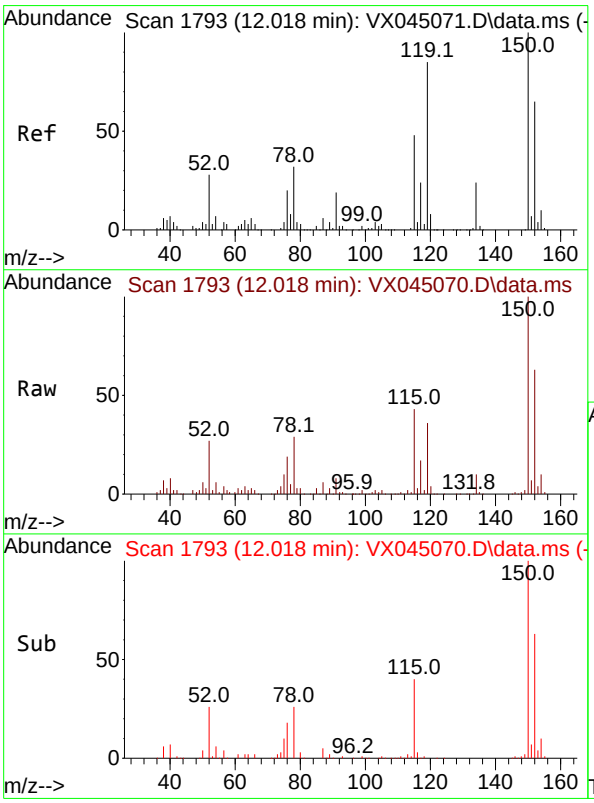
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

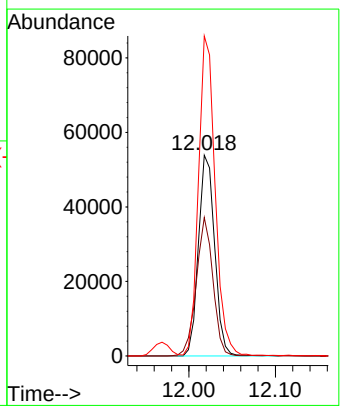
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

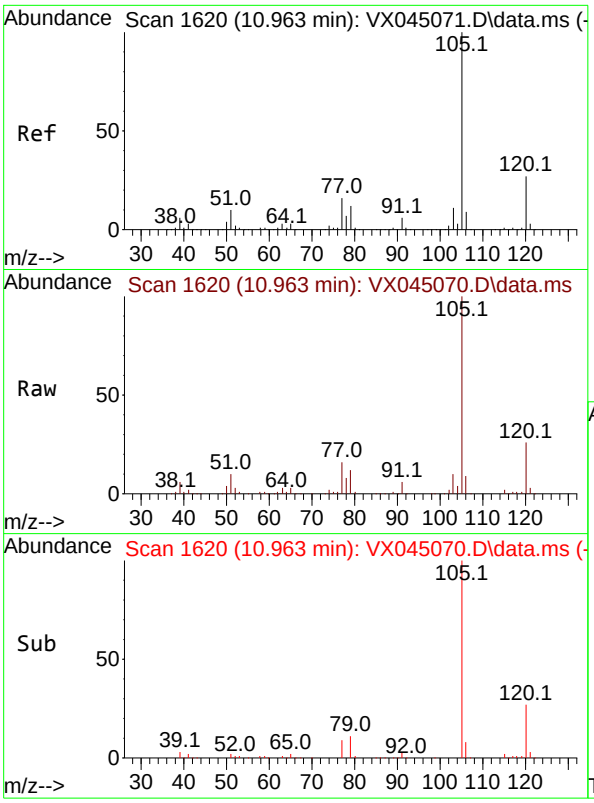


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0

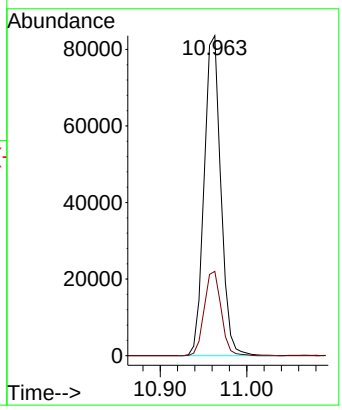




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

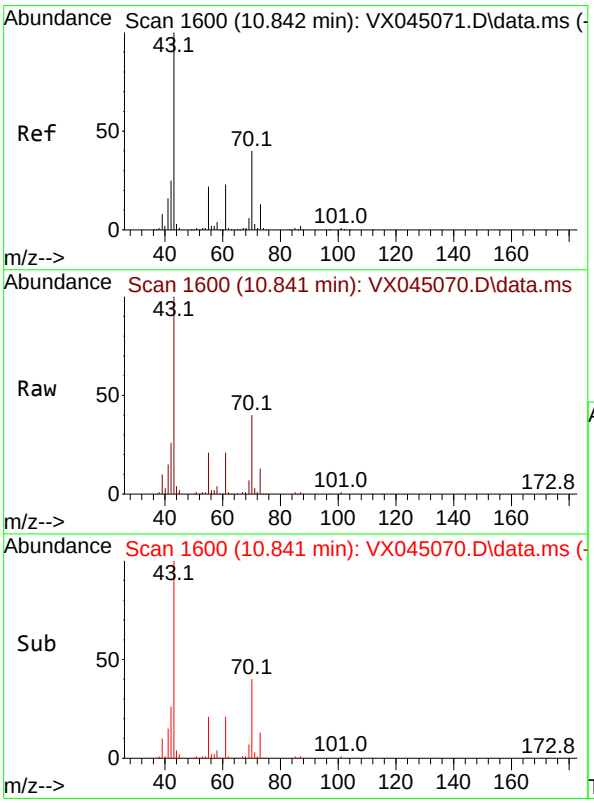
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

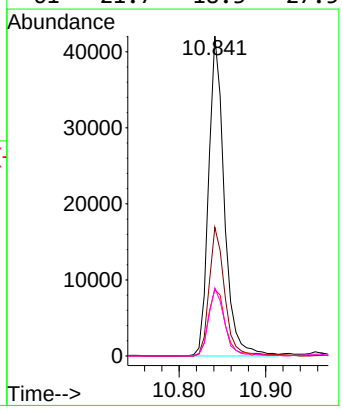
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

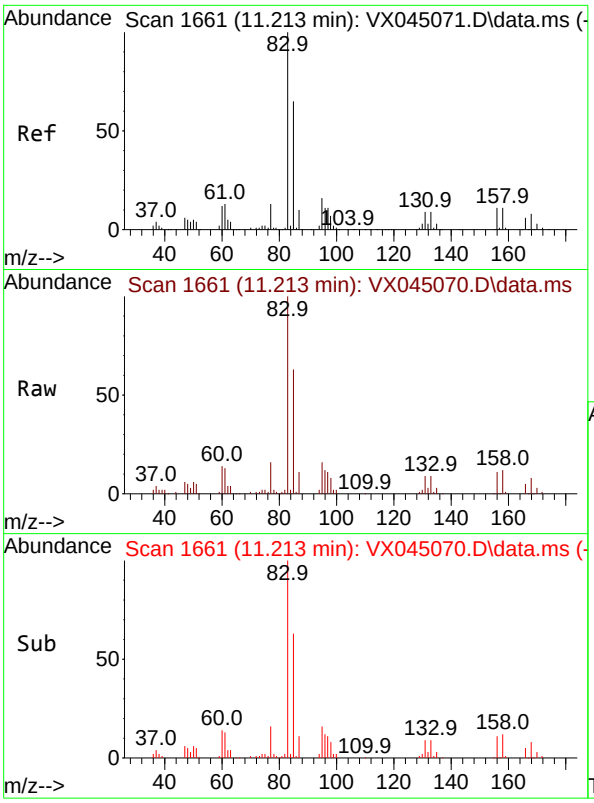


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5

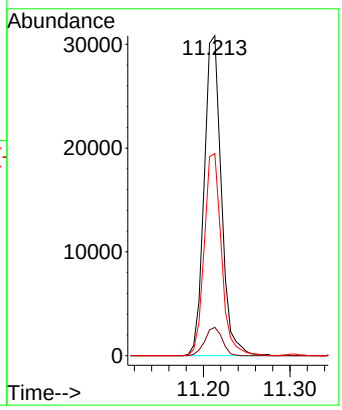




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

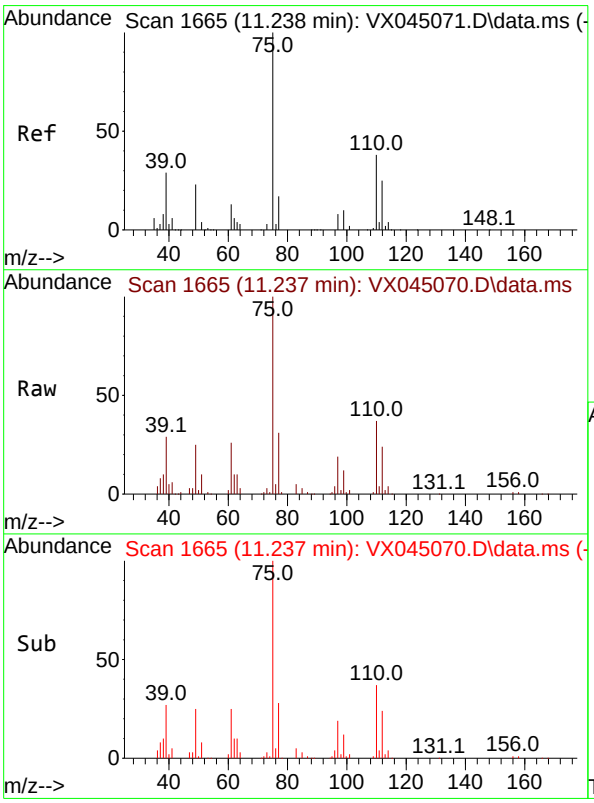
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

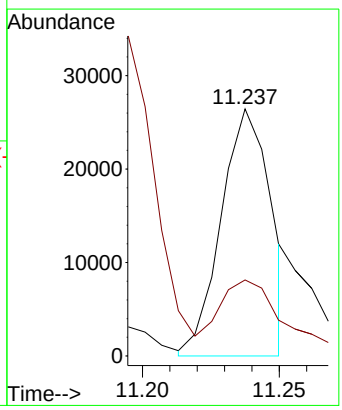
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

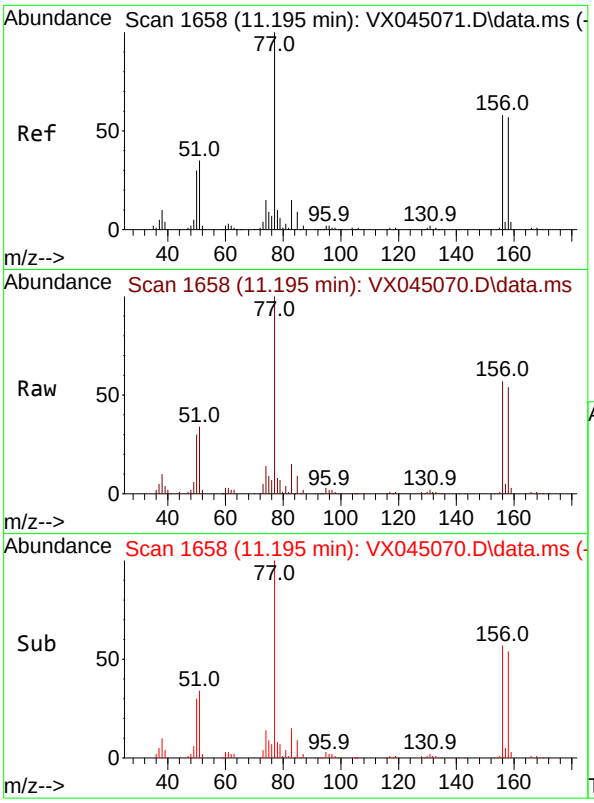


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

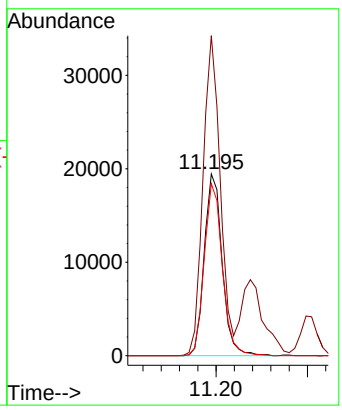




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

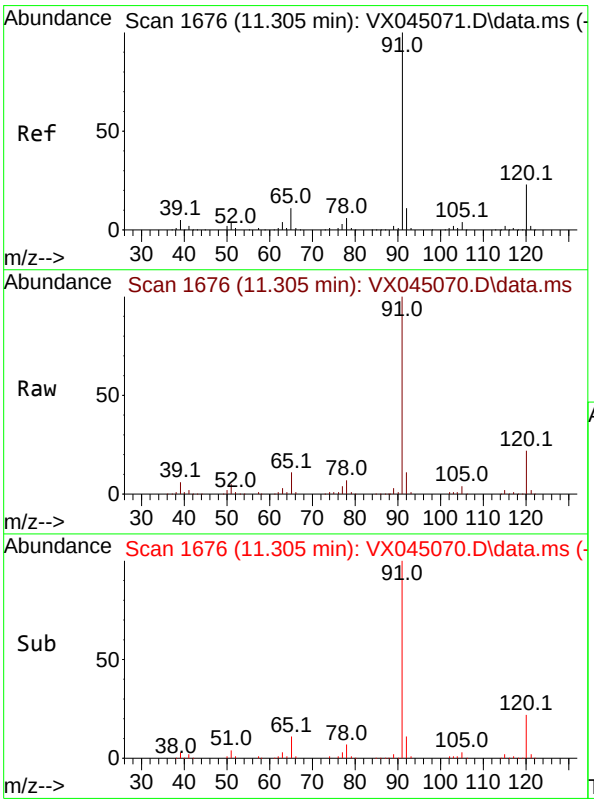
Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

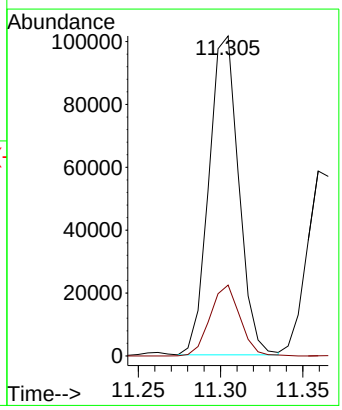
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

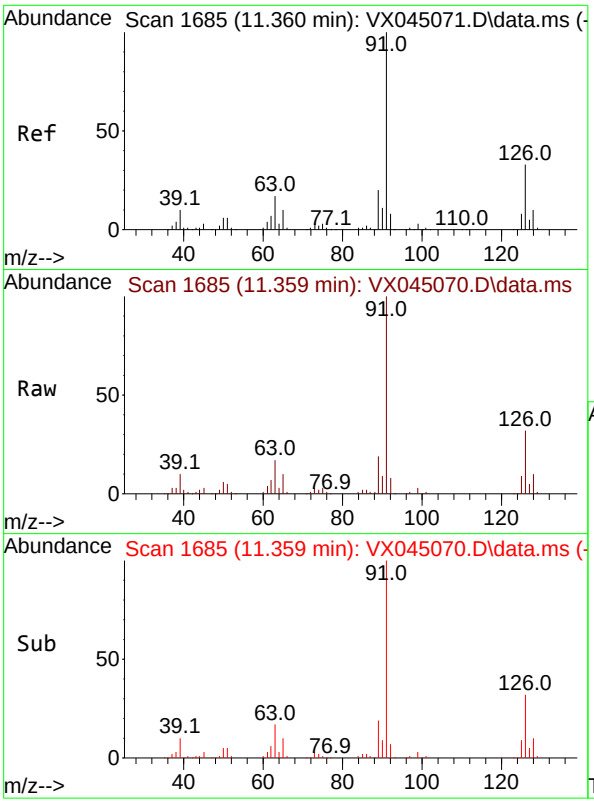


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6

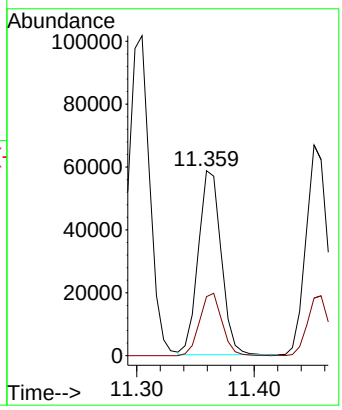




#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7927

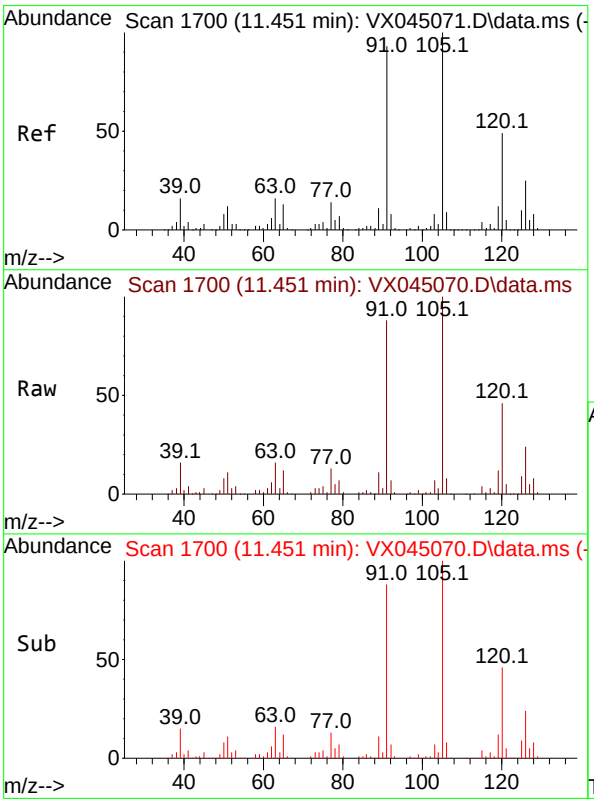
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

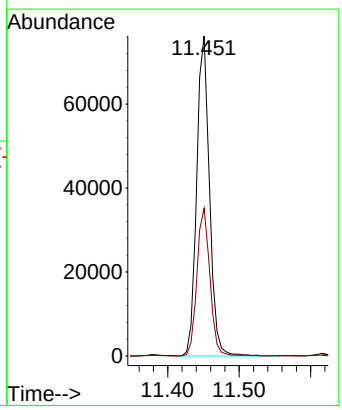
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

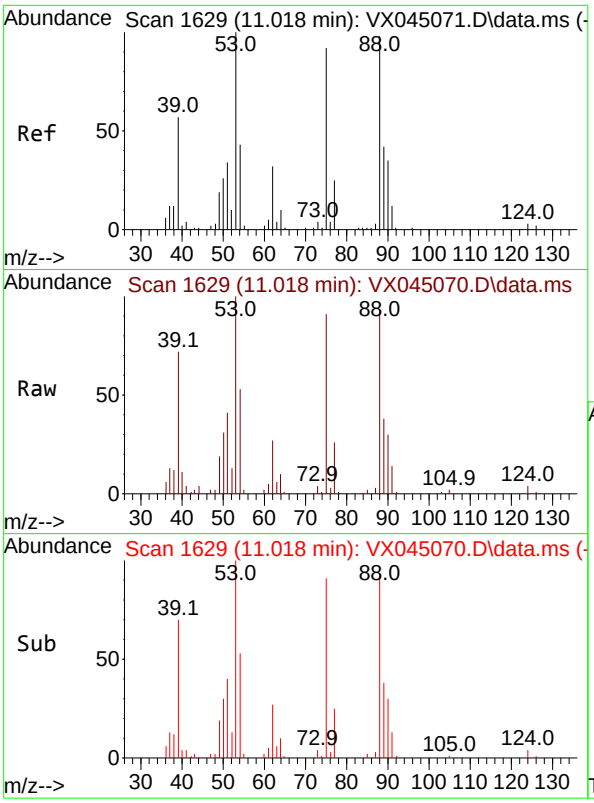


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

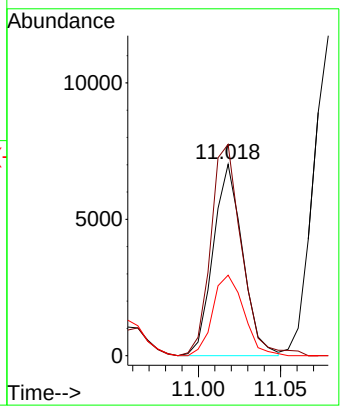
Tgt Ion: 75 Resp: 875

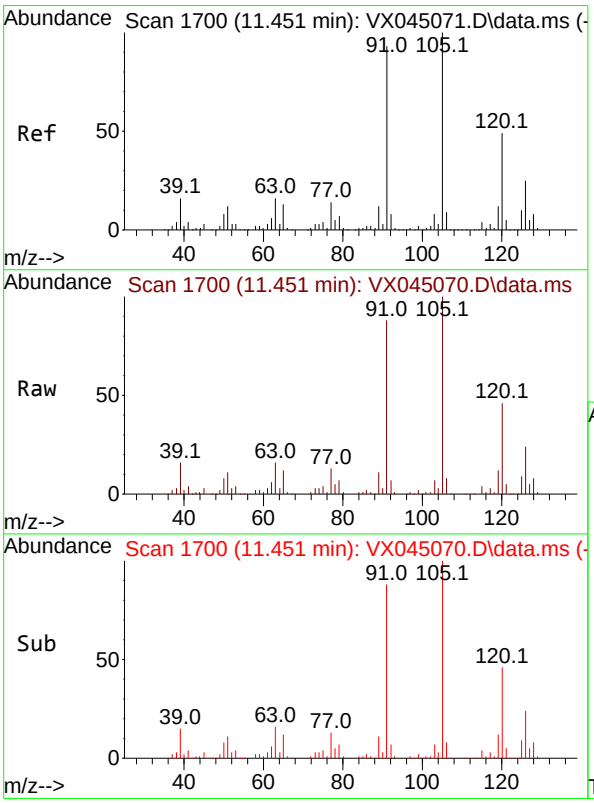
Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

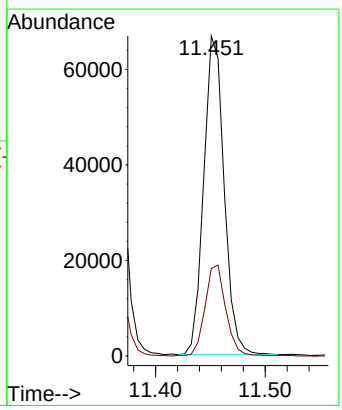


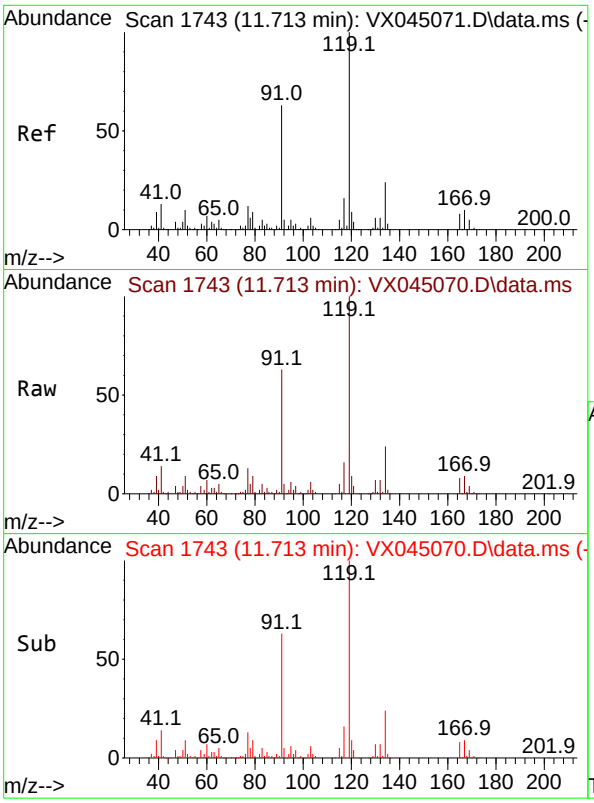


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

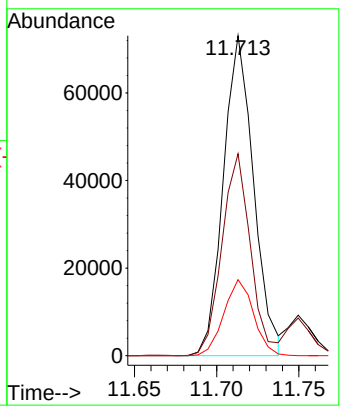




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

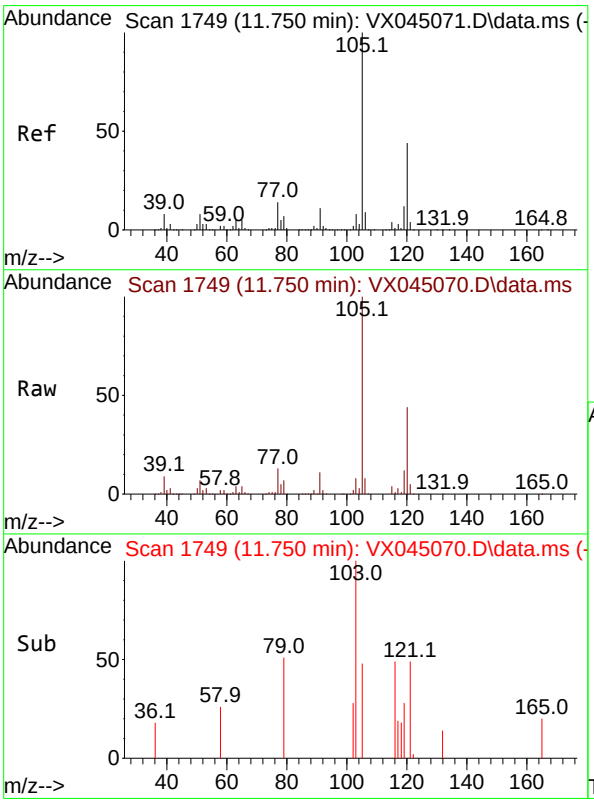
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

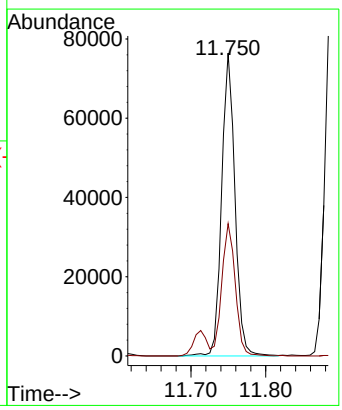
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

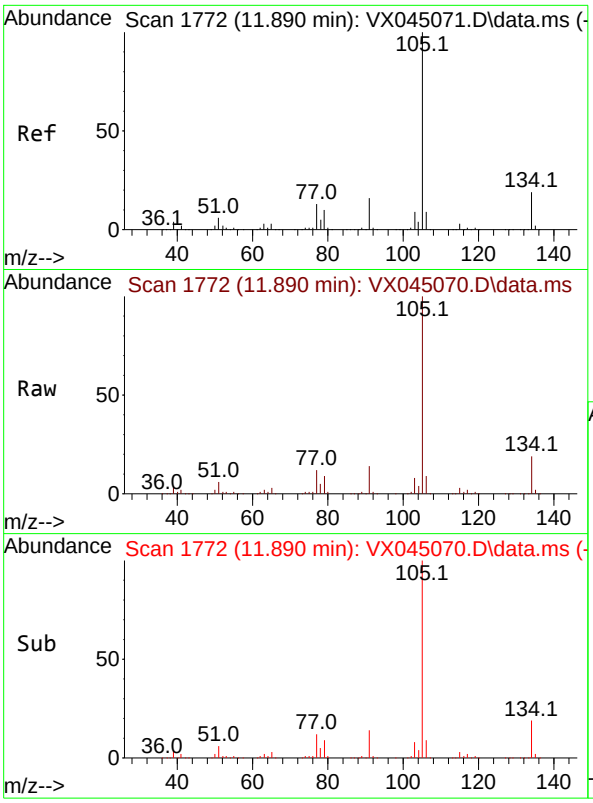


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

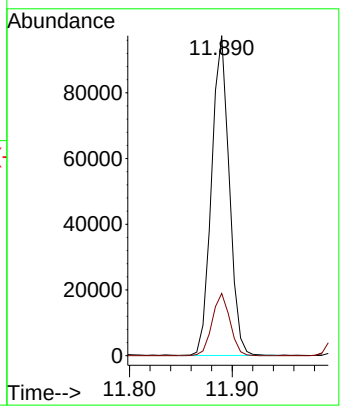
Tgt Ion:105 Resp: 11595

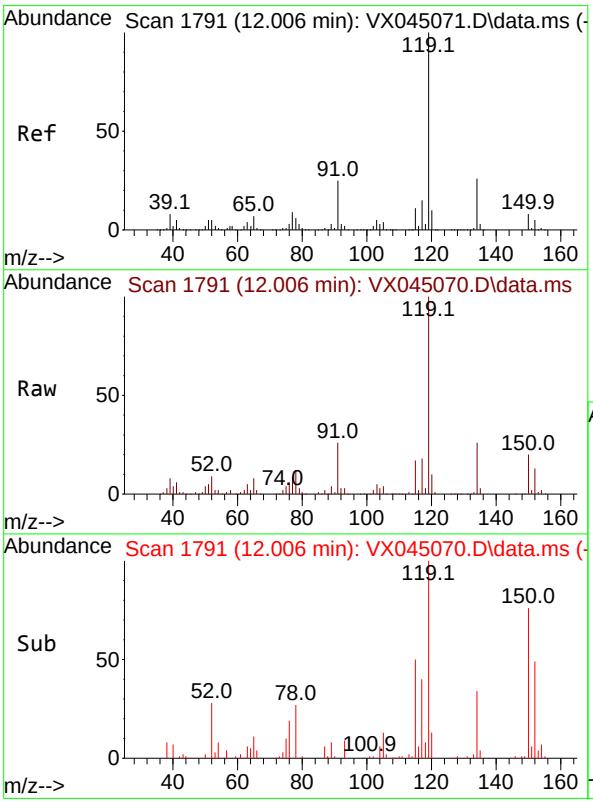
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

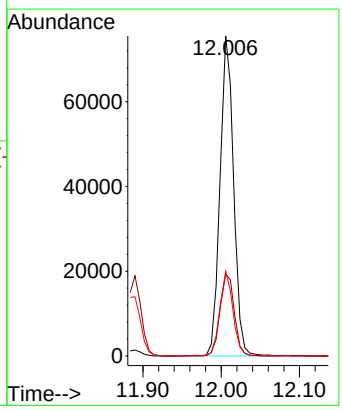


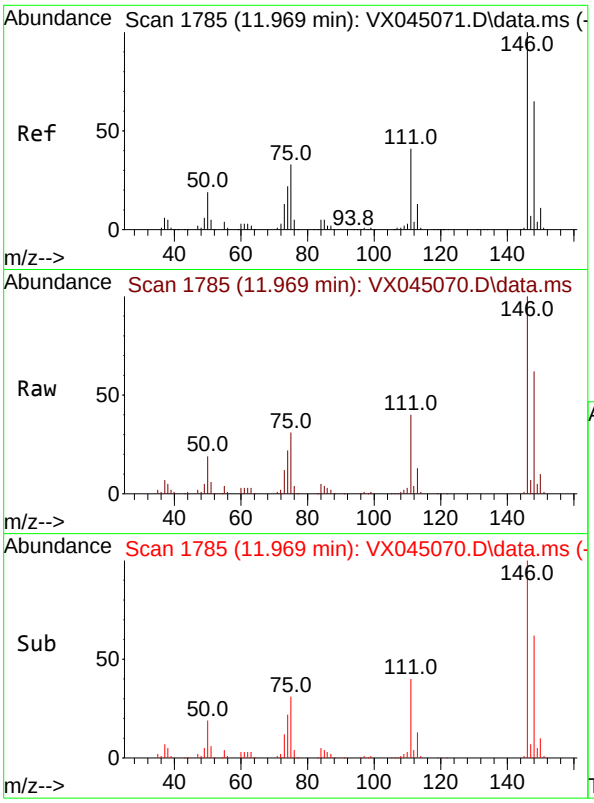


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0

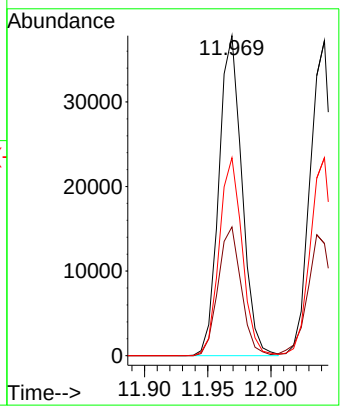




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

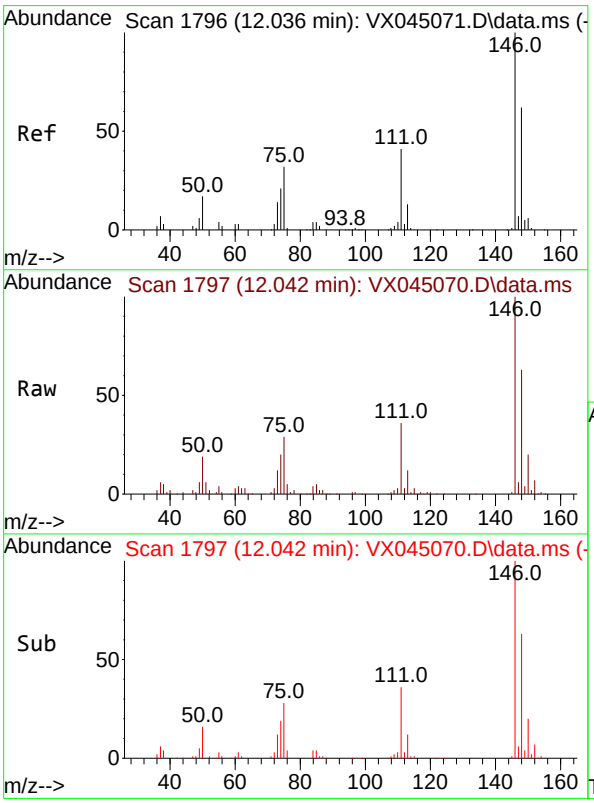
Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

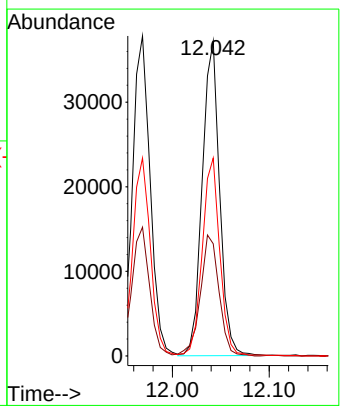
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

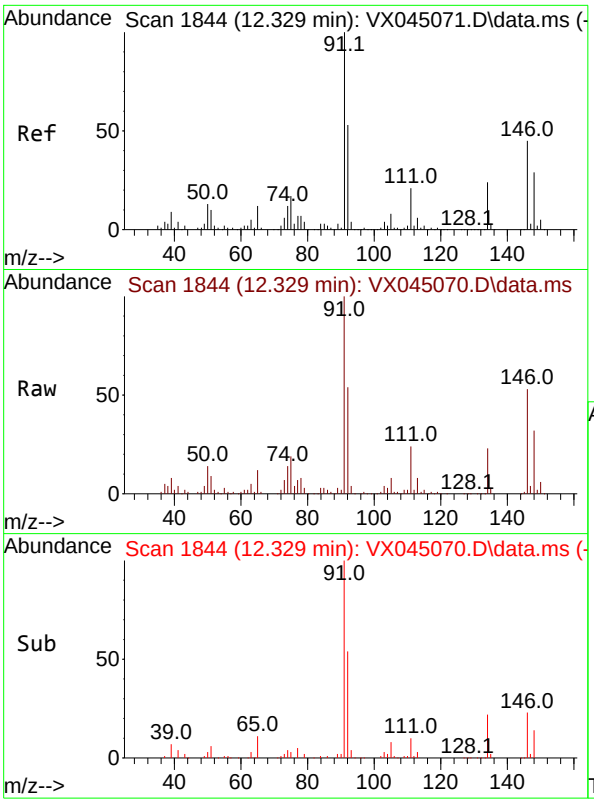


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9

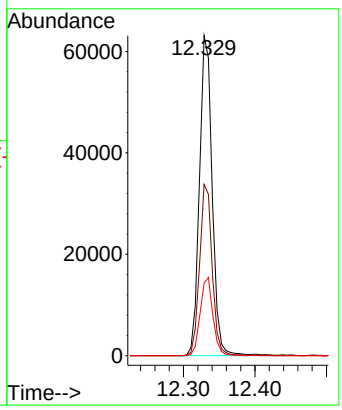




#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7813

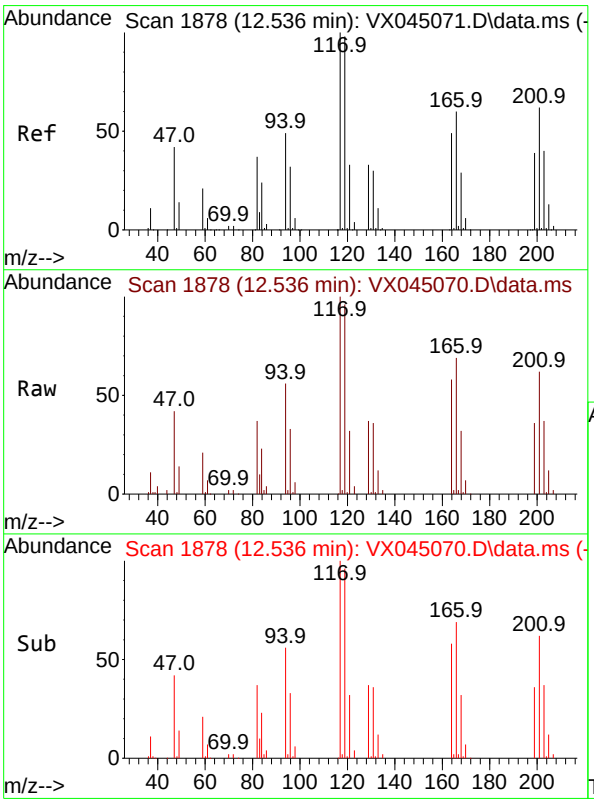
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

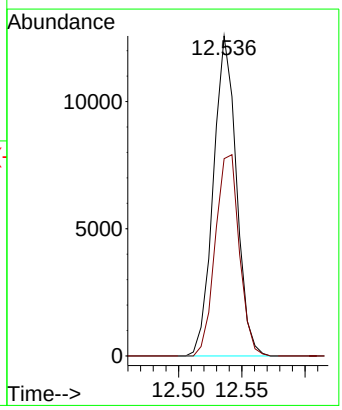
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

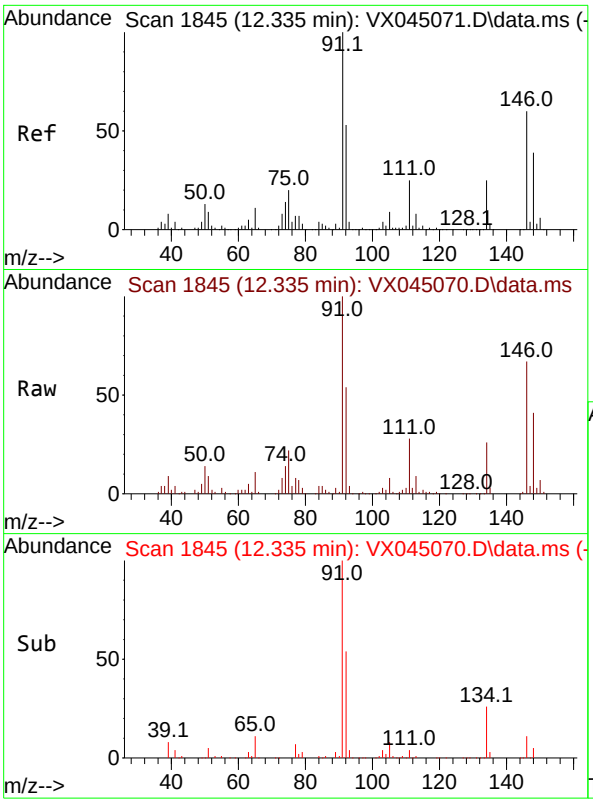


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

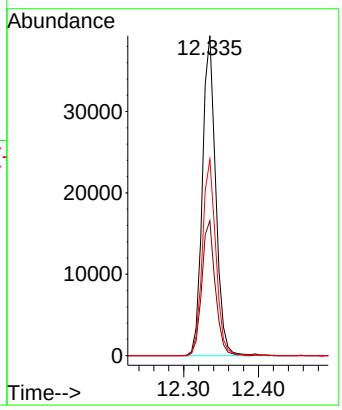




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

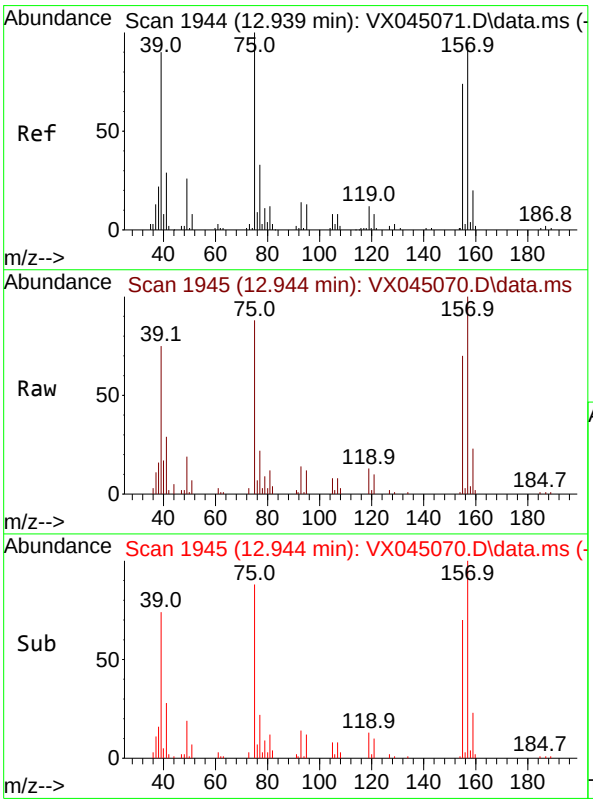
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

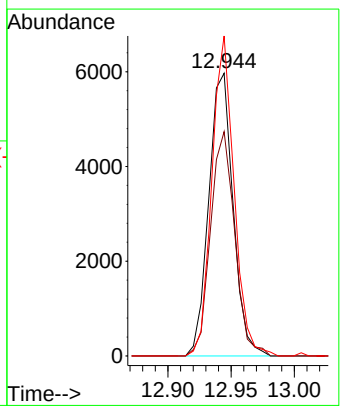
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

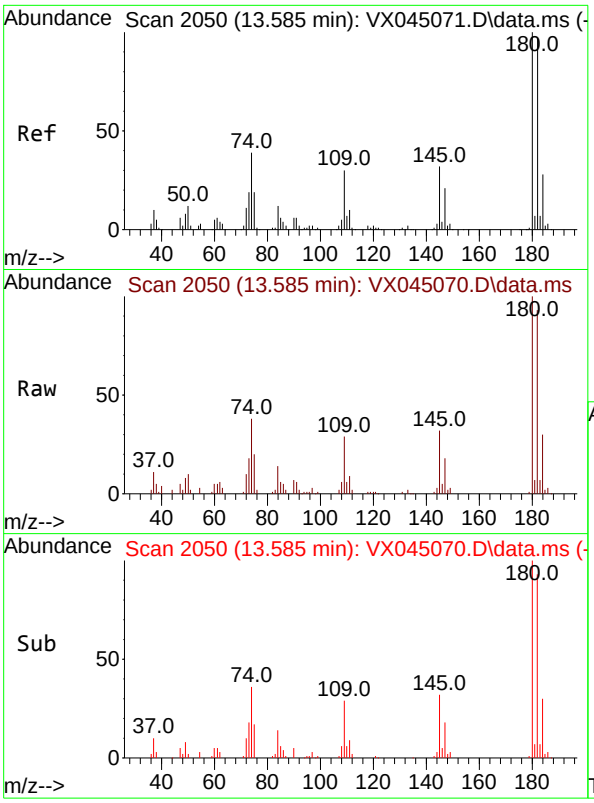


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4

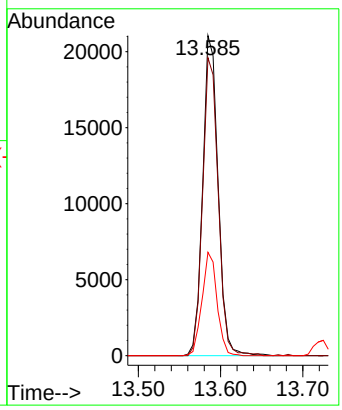




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

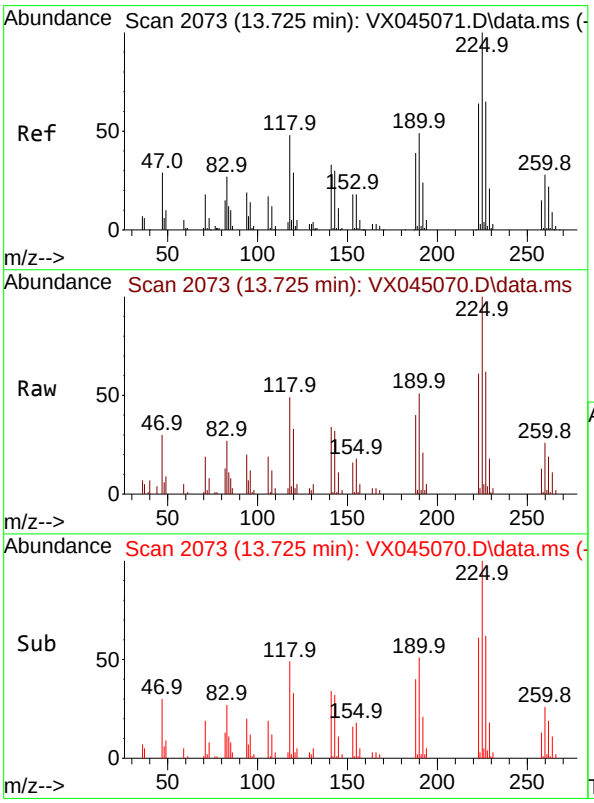
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

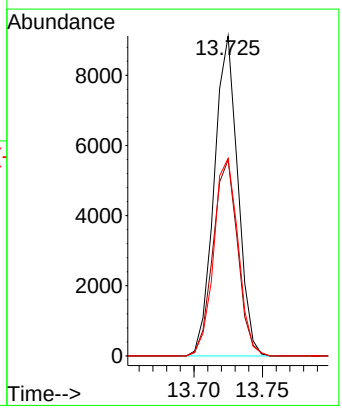
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

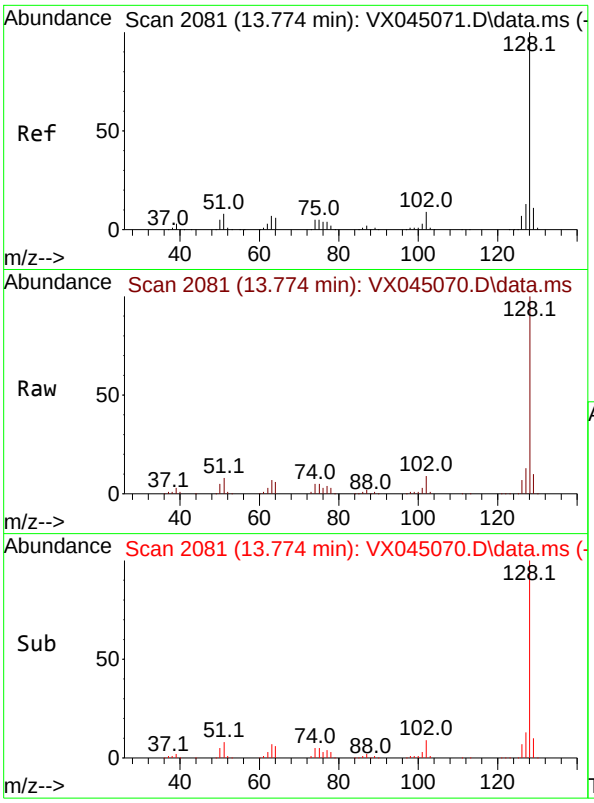


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0

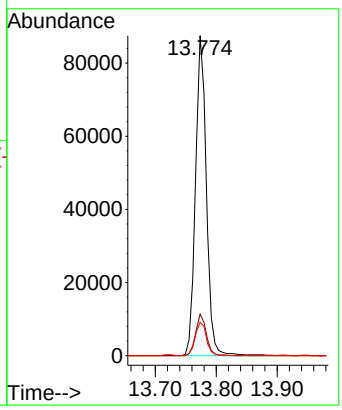




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

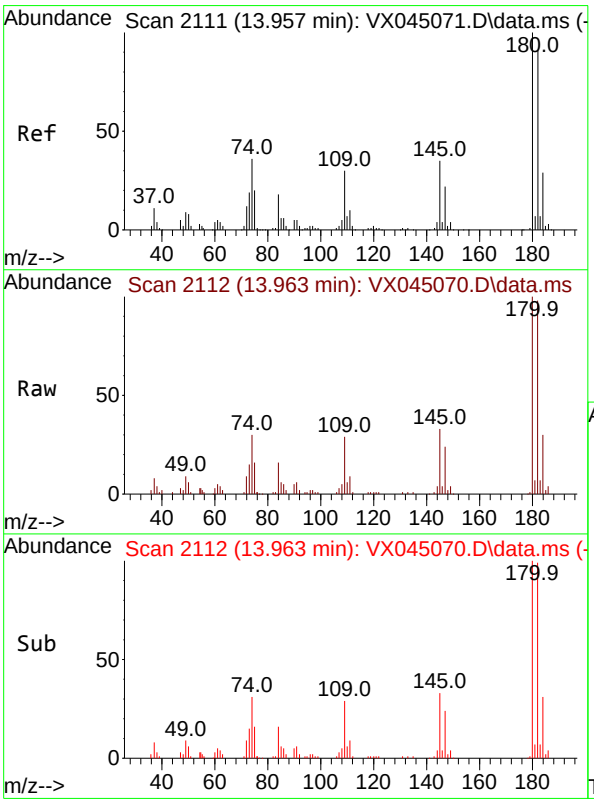
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

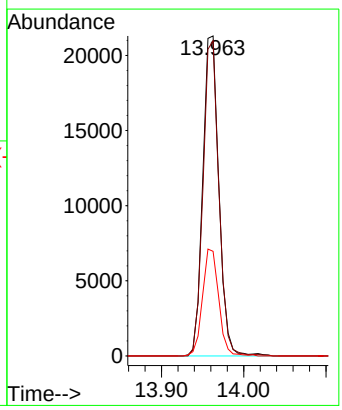
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l		
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

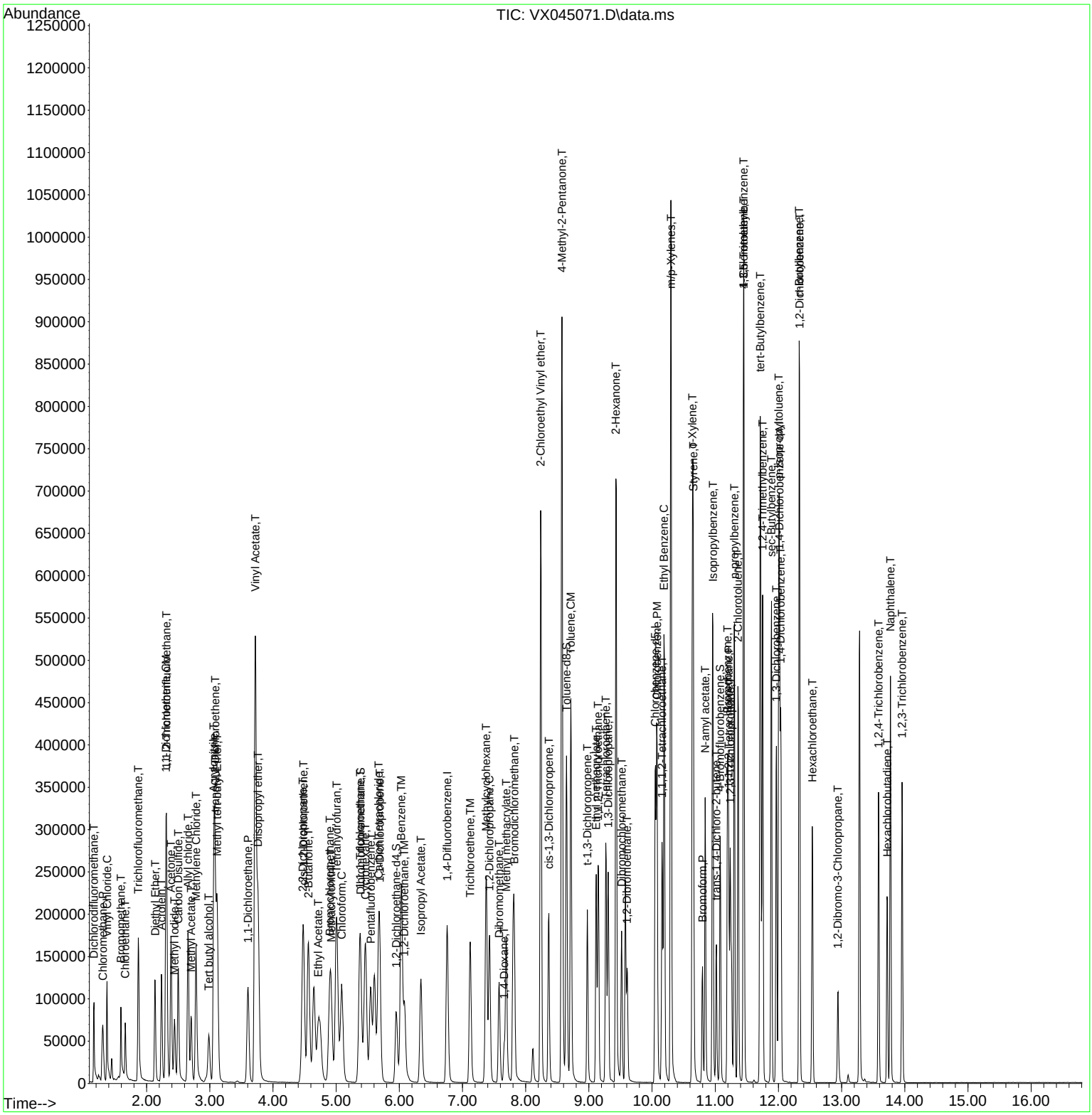
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

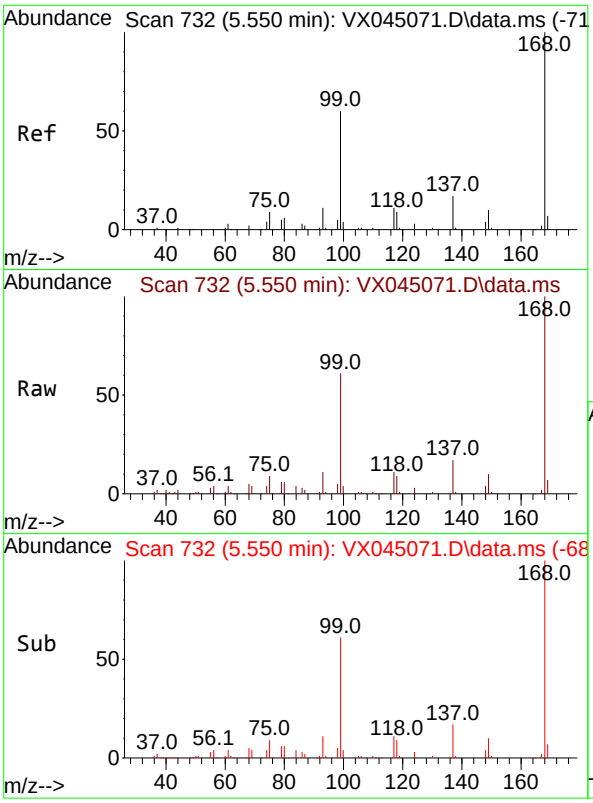
Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

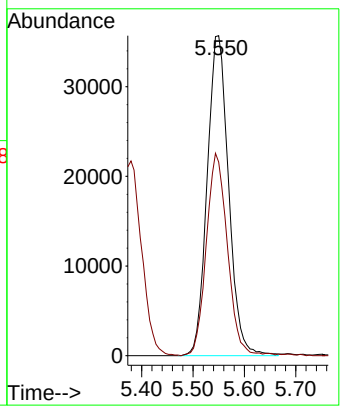




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

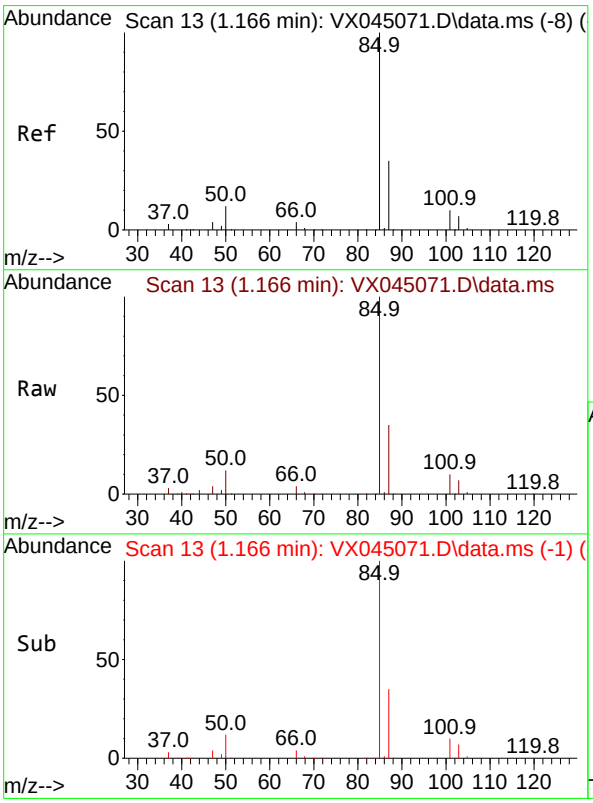
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

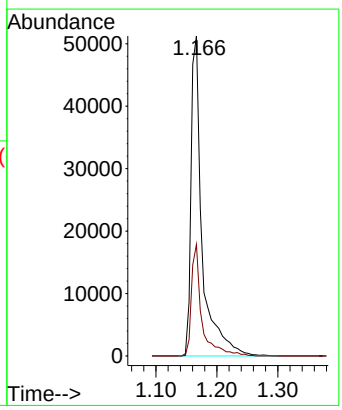
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

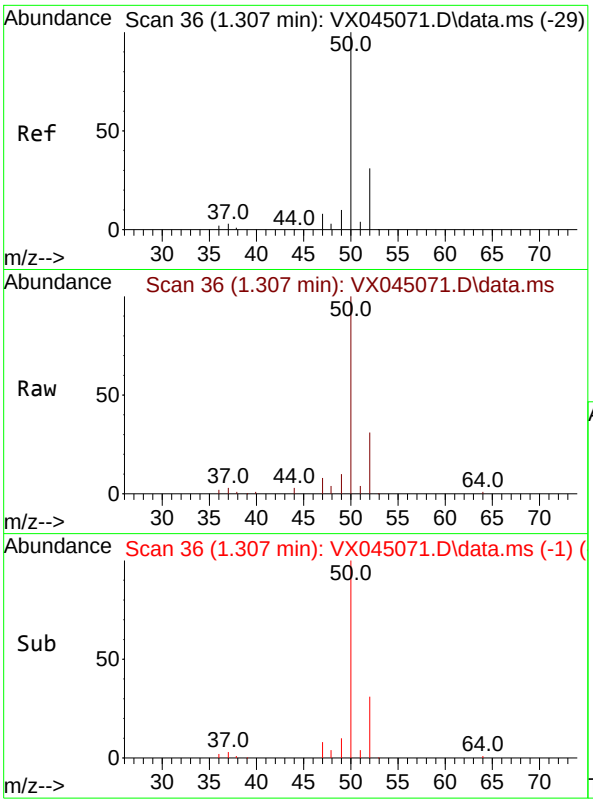


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

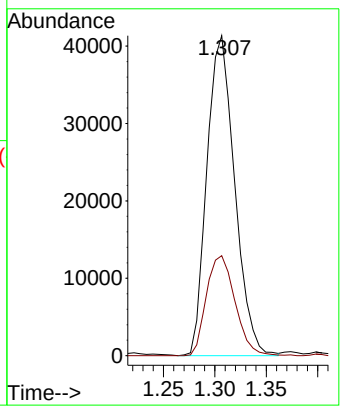




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

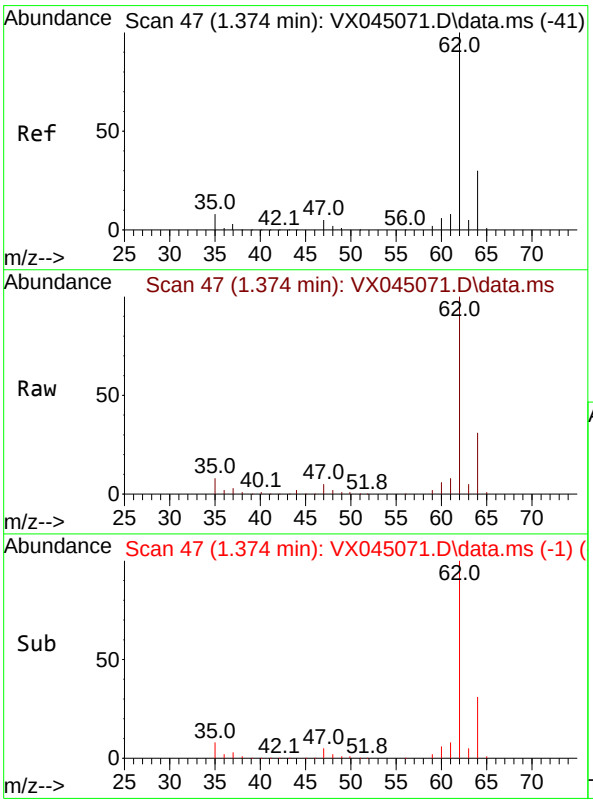
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

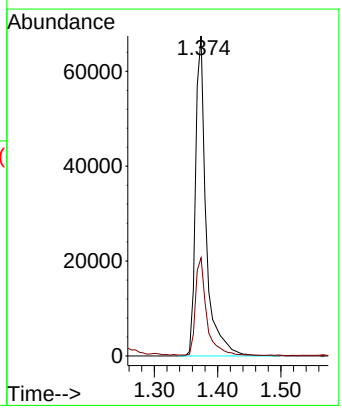
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

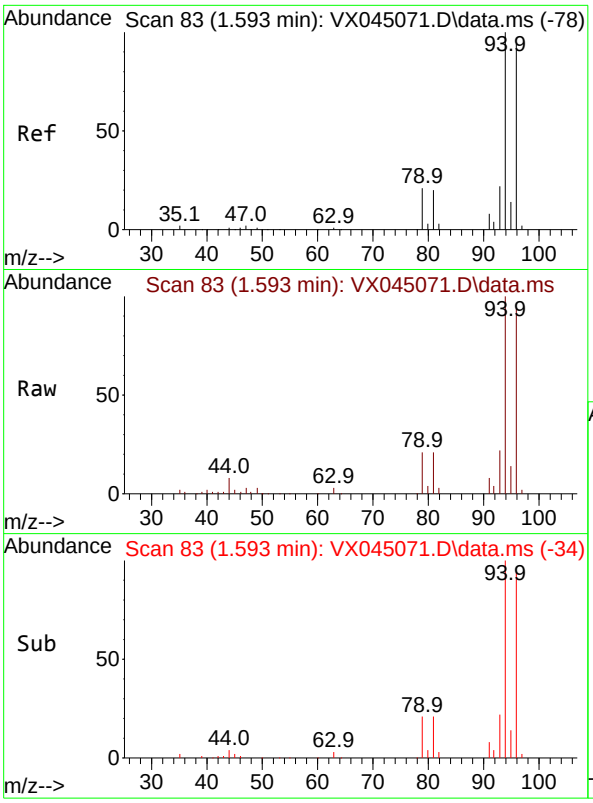


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

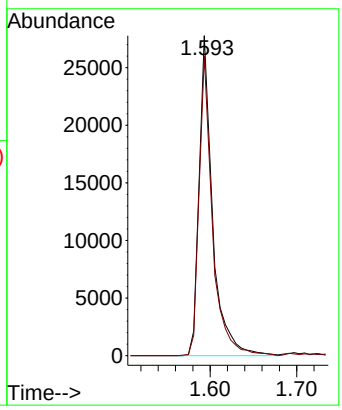




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

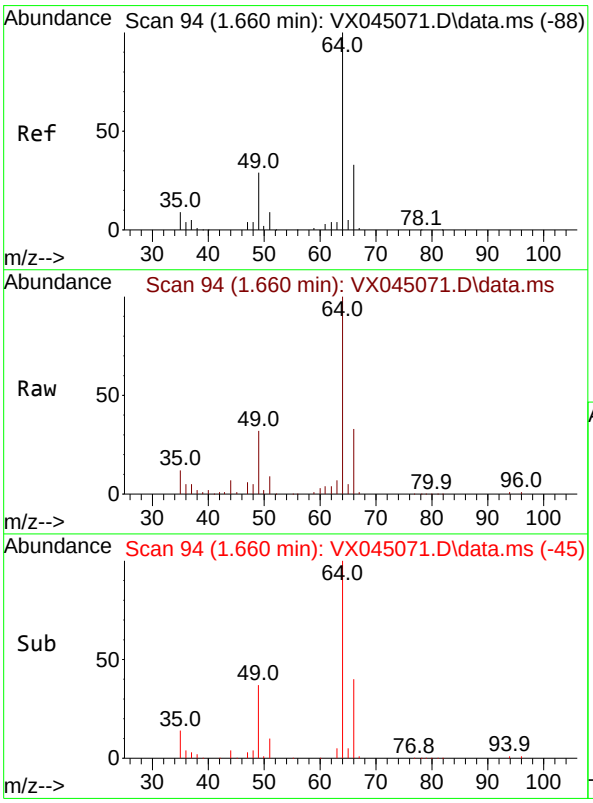
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

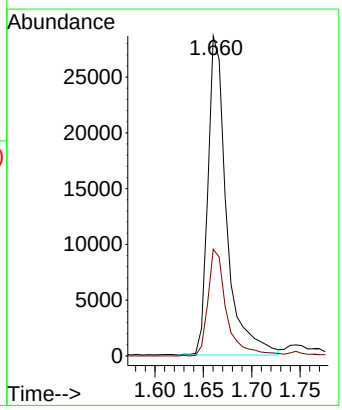
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

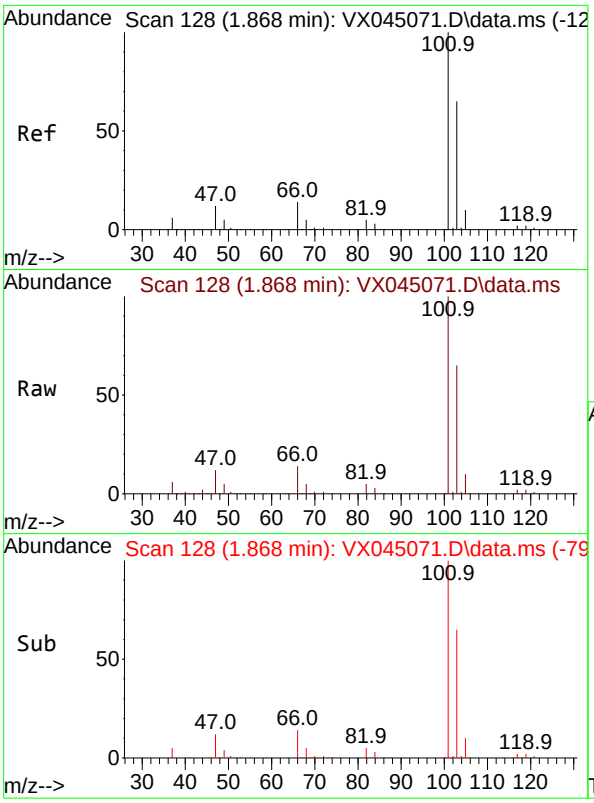


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

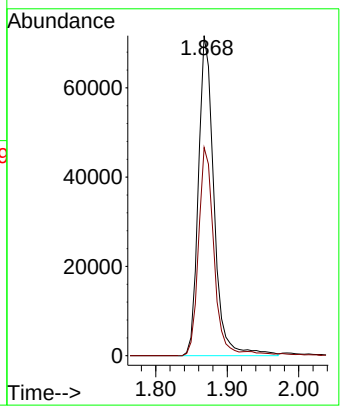




#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 10841

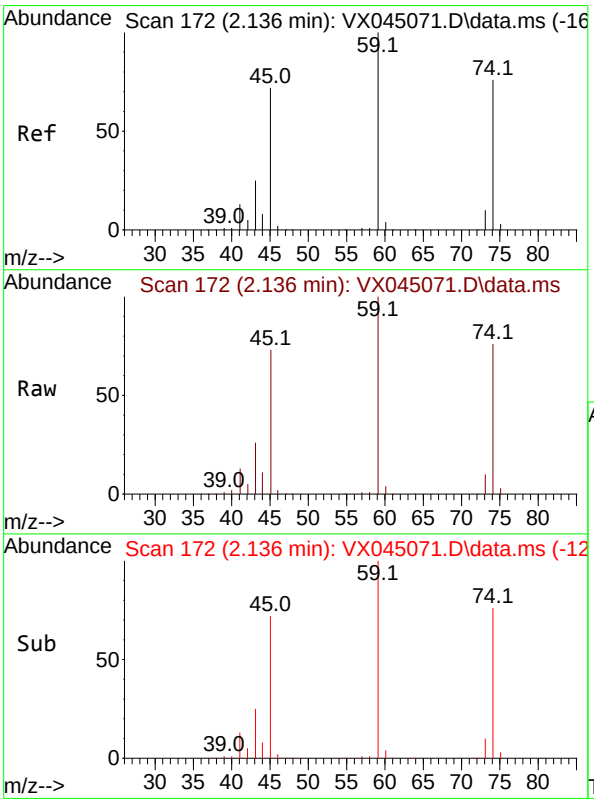
Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

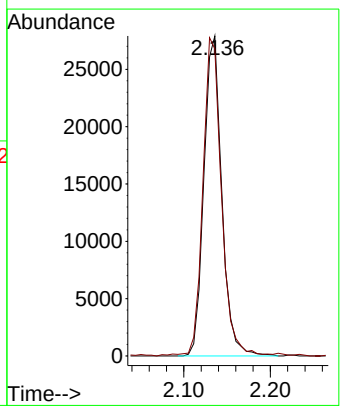
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

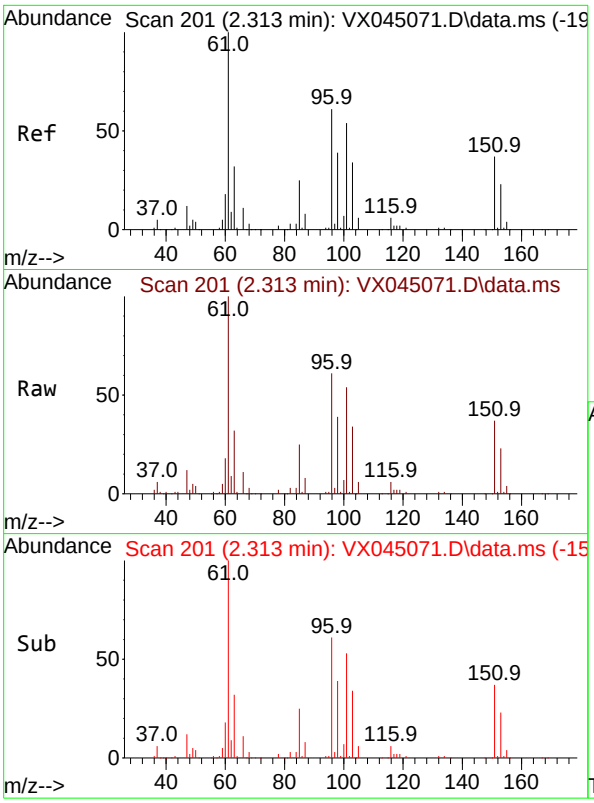


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

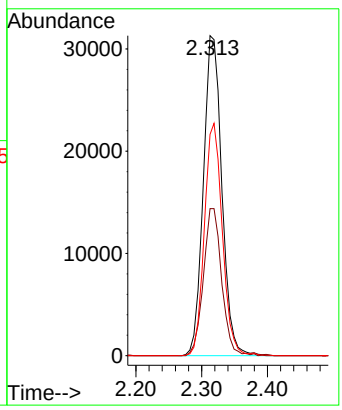
Tgt Ion:101 Resp: 6131

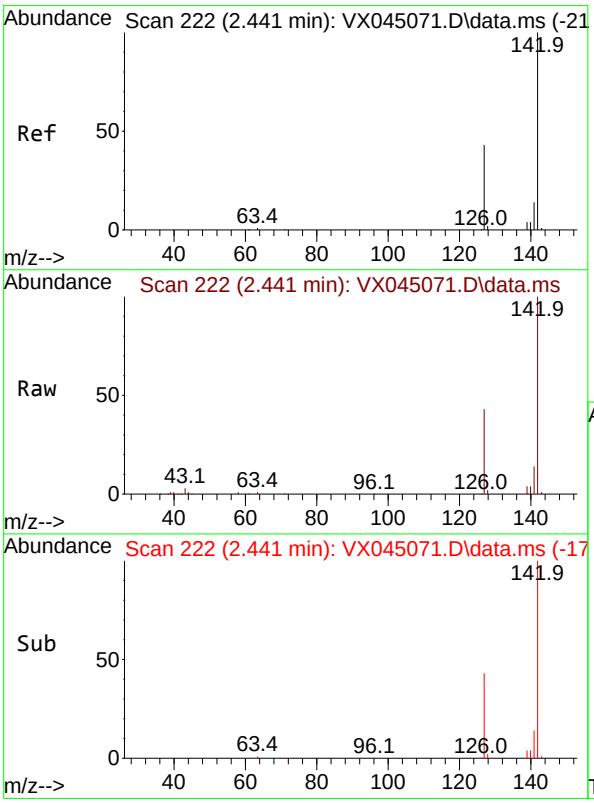
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

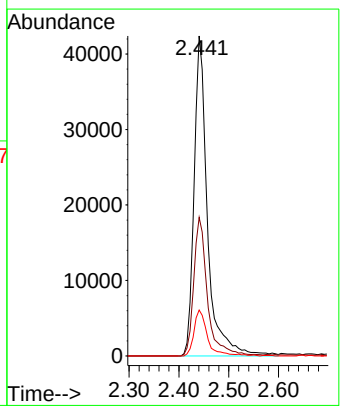


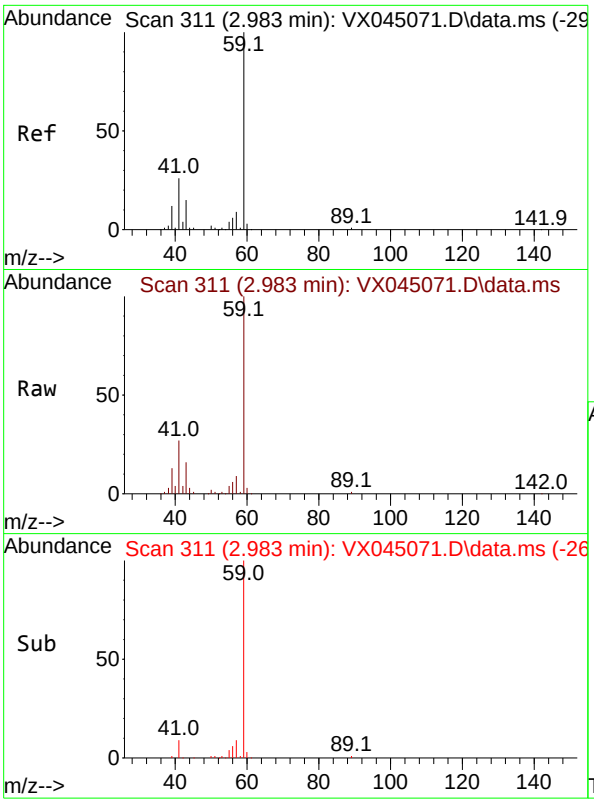


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4

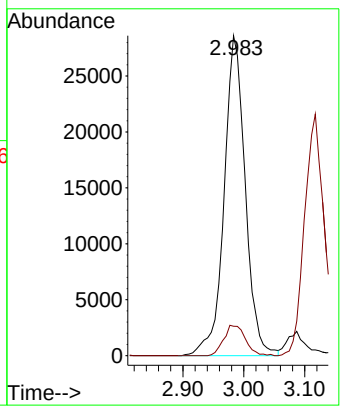




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

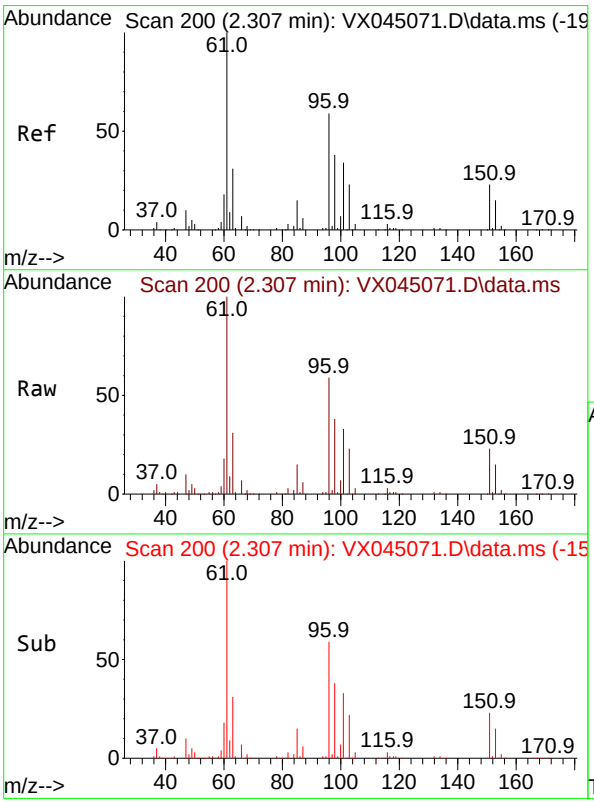
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

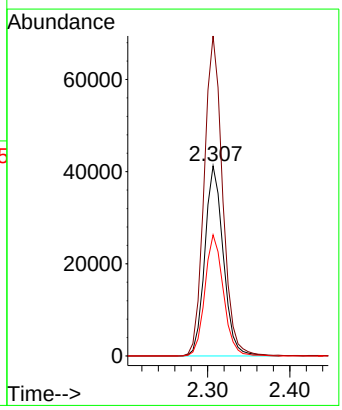
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

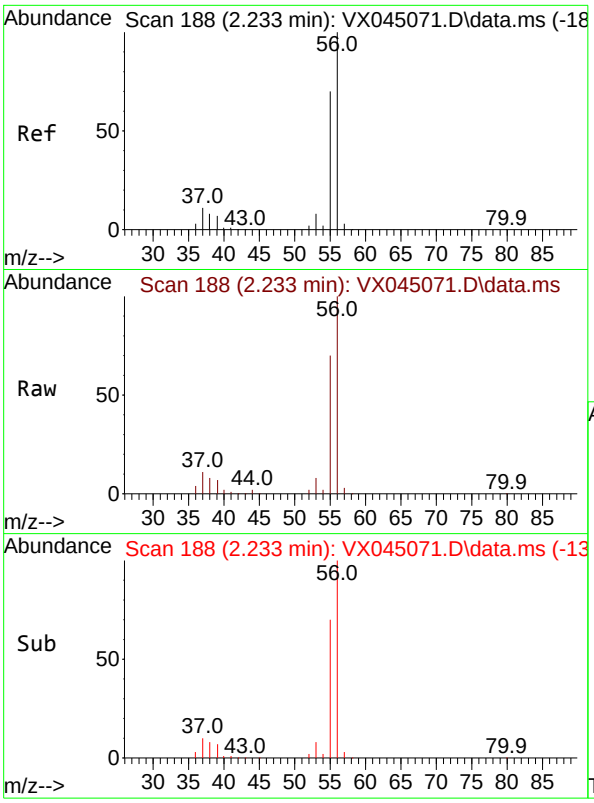


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6

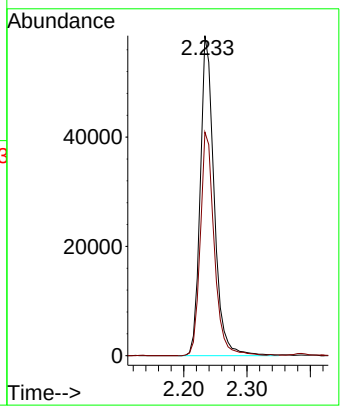




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

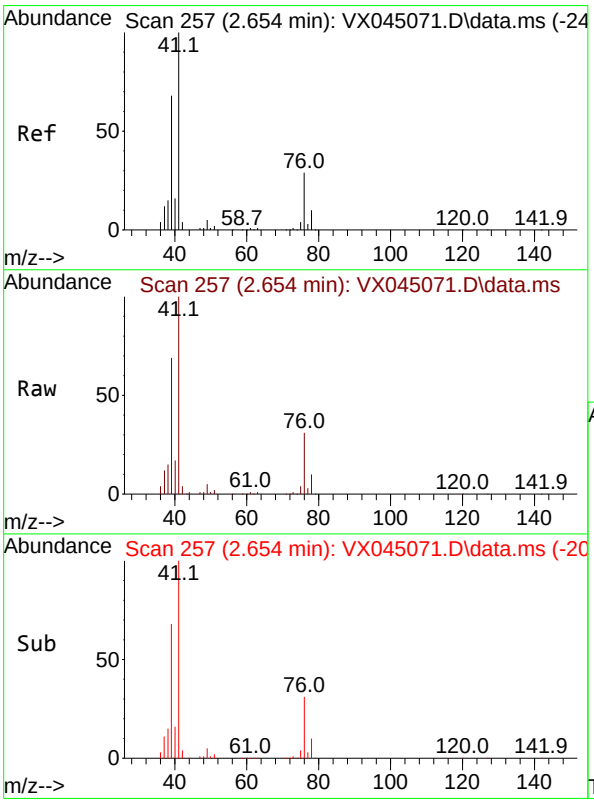
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

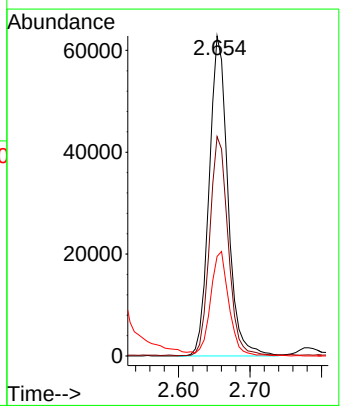
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

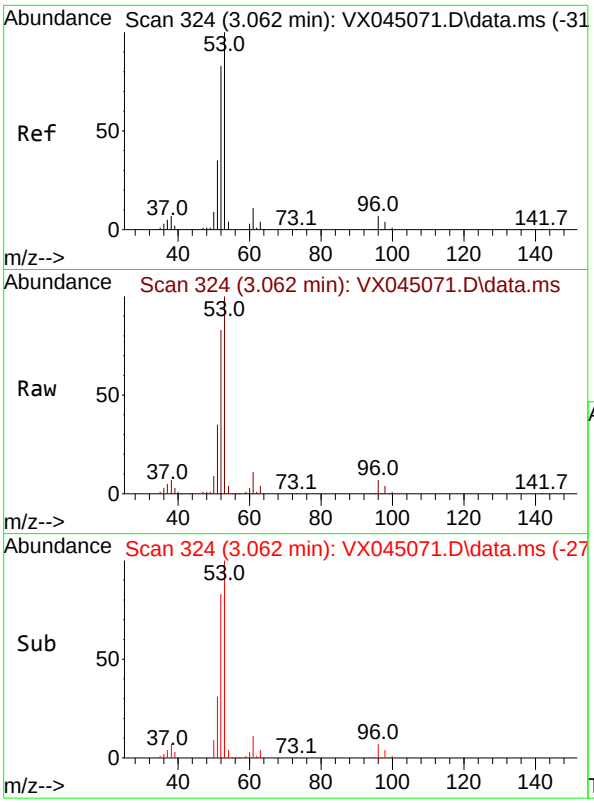


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8

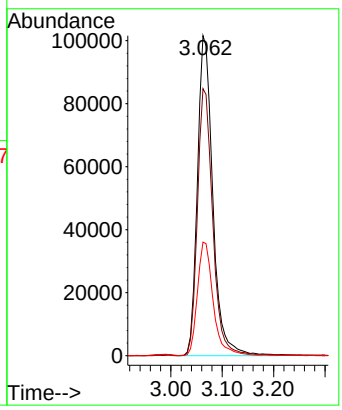




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

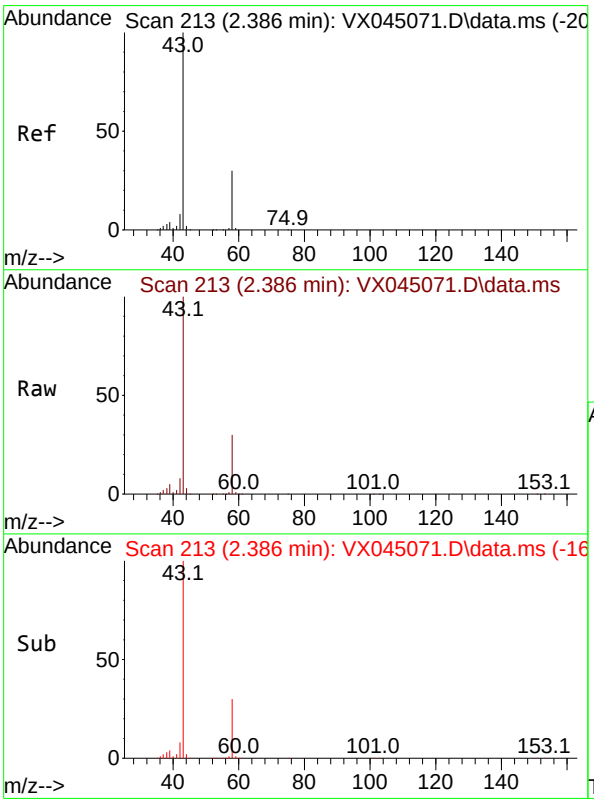
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

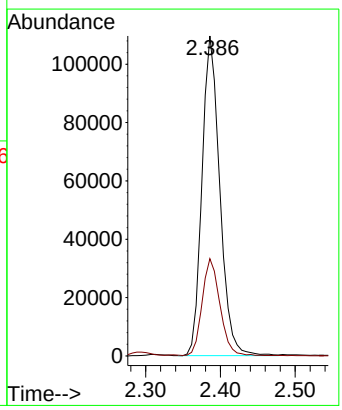
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

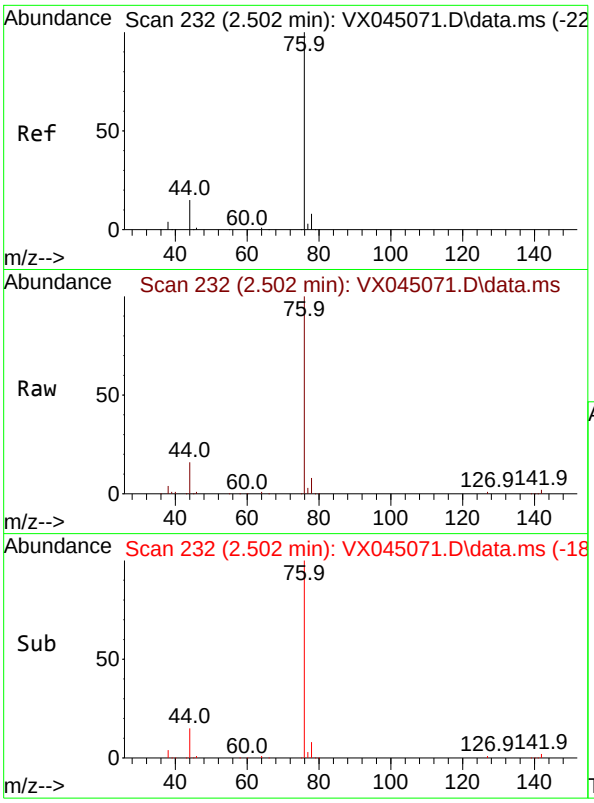


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

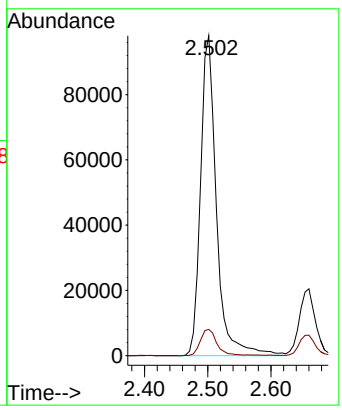
Tgt Ion: 76 Resp: 17135

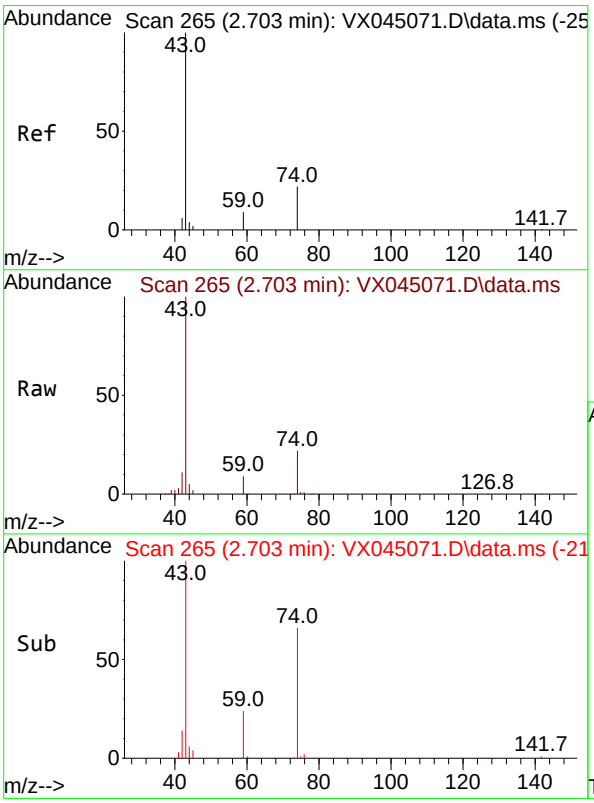
Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

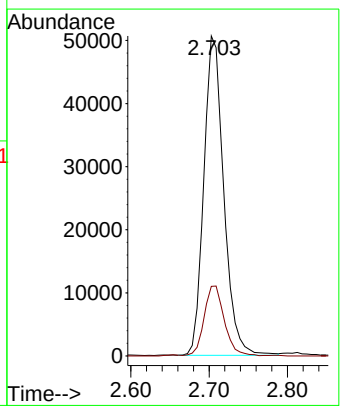


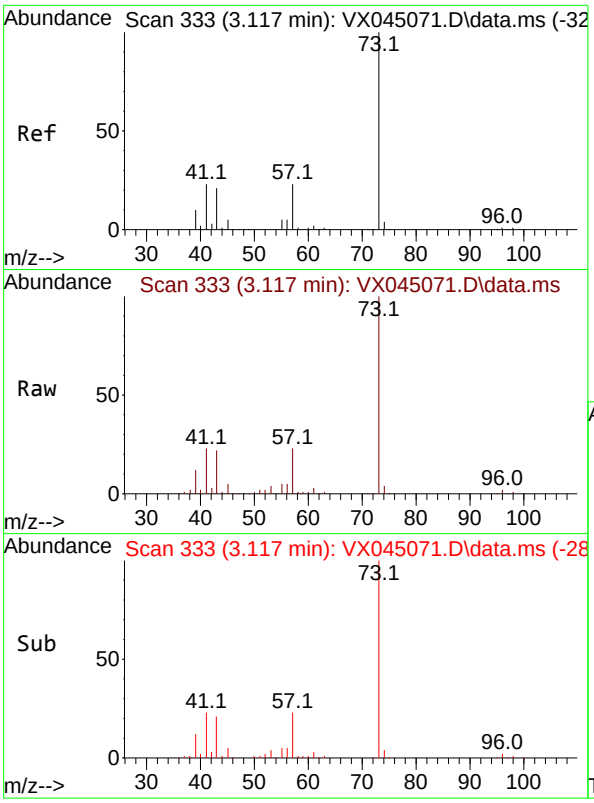


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

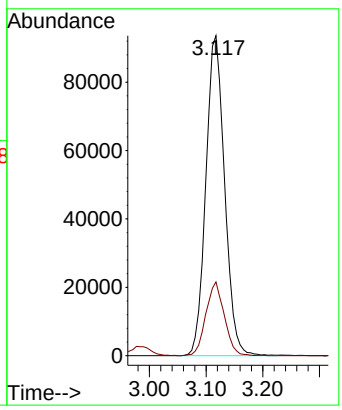




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

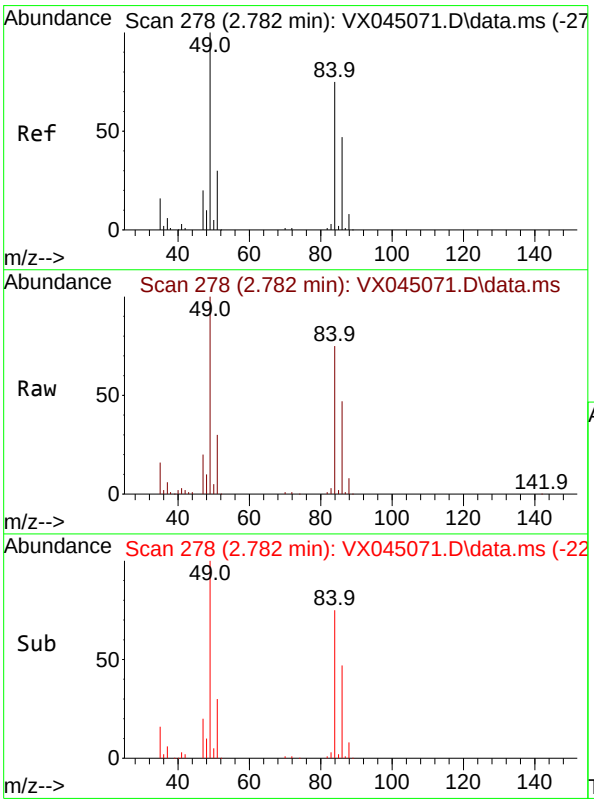
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

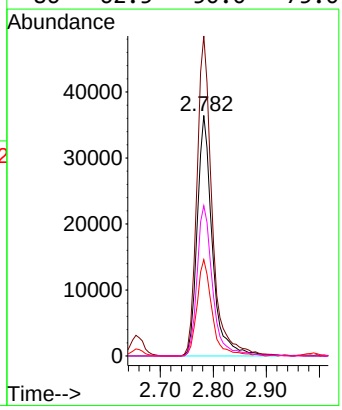
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

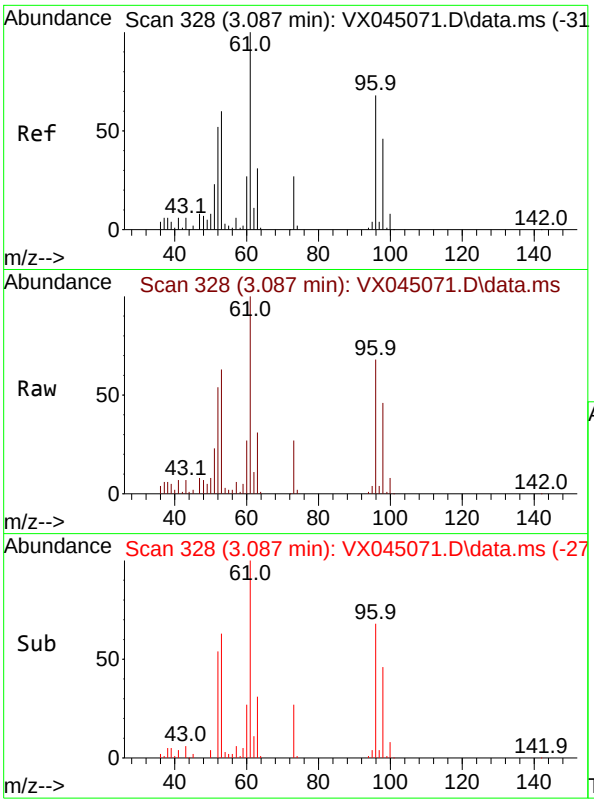


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0

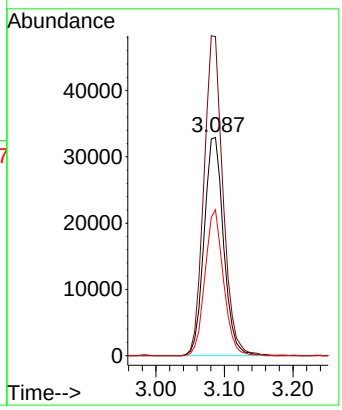




#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 6509

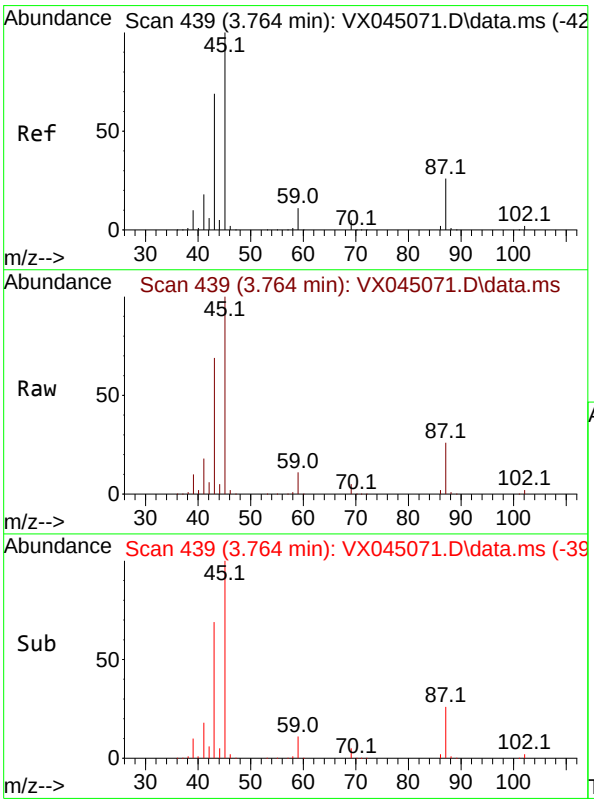
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

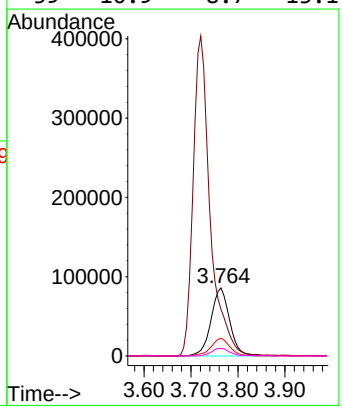
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

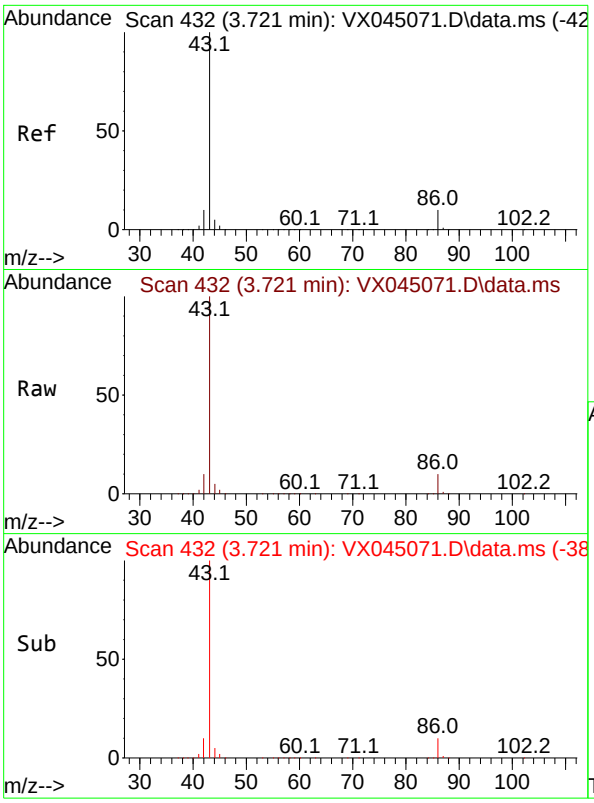


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

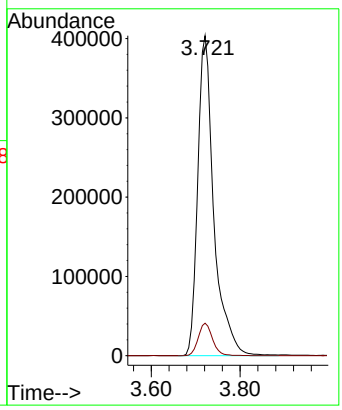
Tgt Ion: 43 Resp: 101863

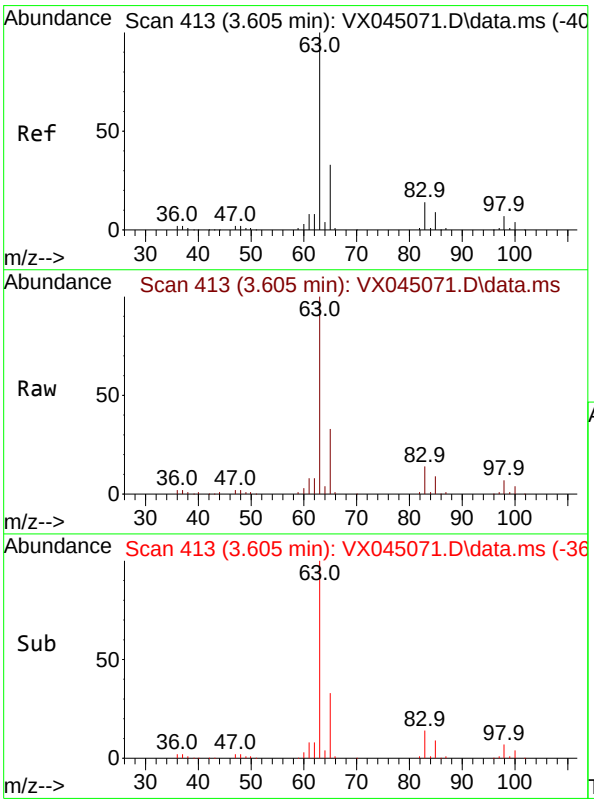
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

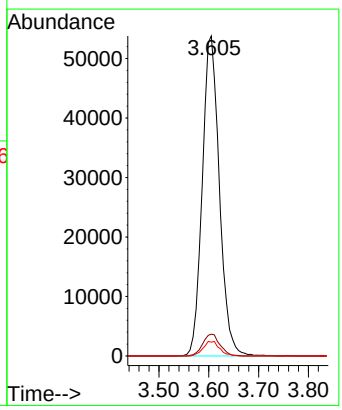


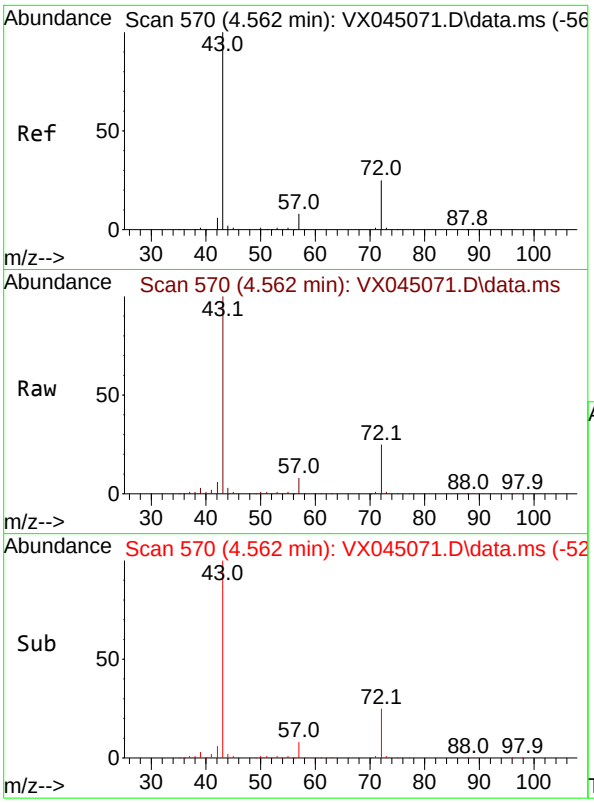


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5

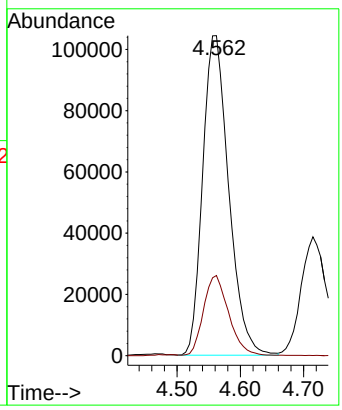




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

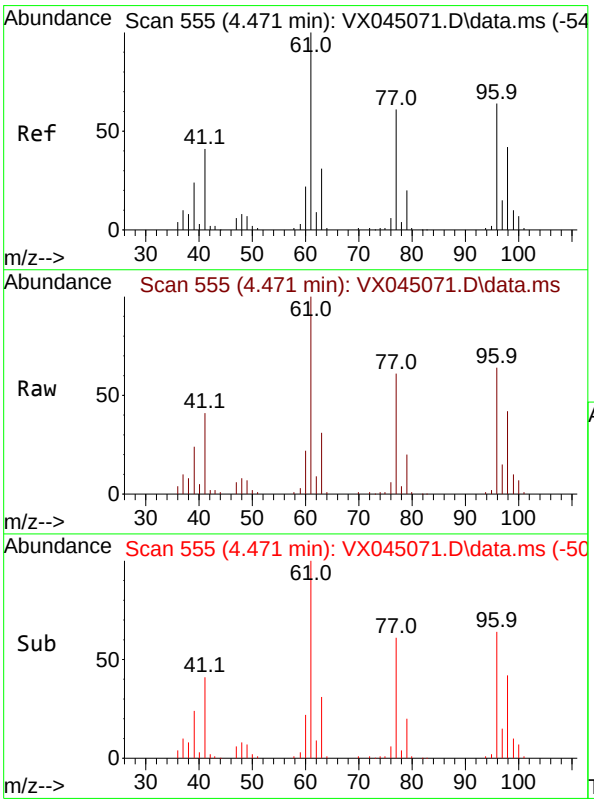
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

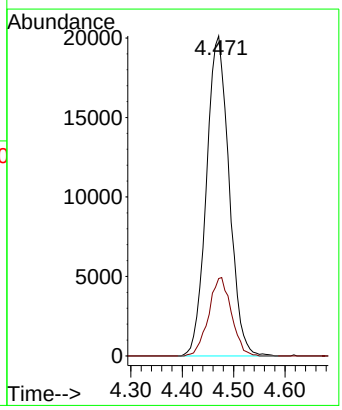
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

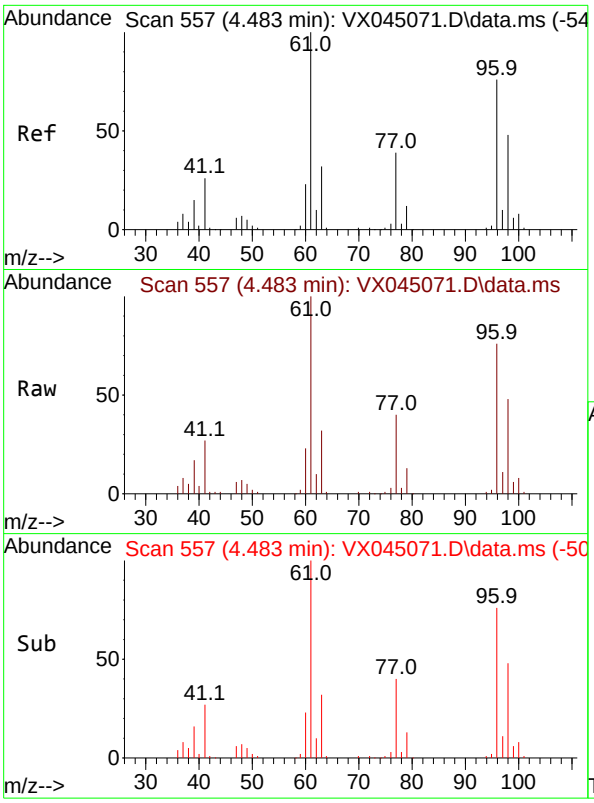


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

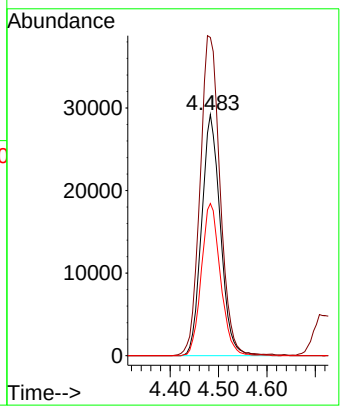
Tgt Ion: 96 Resp: 7865

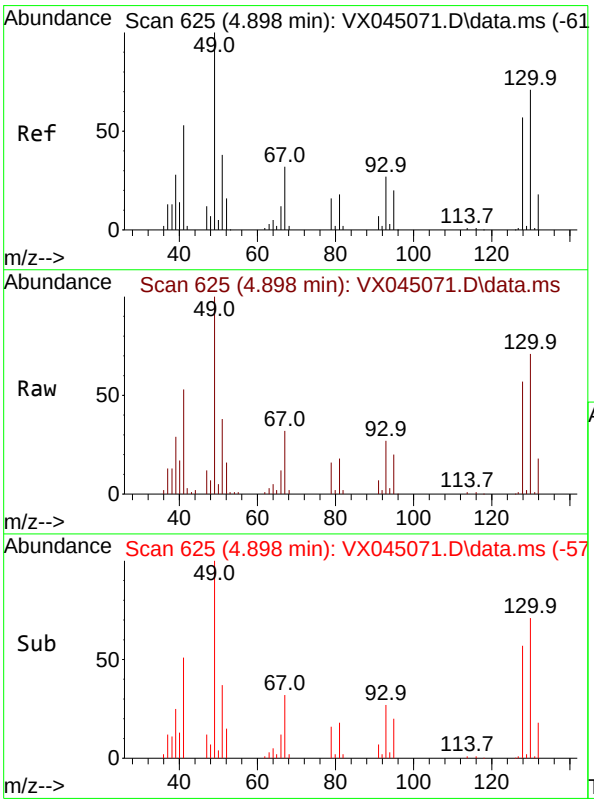
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

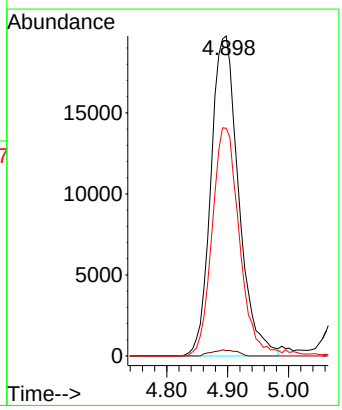


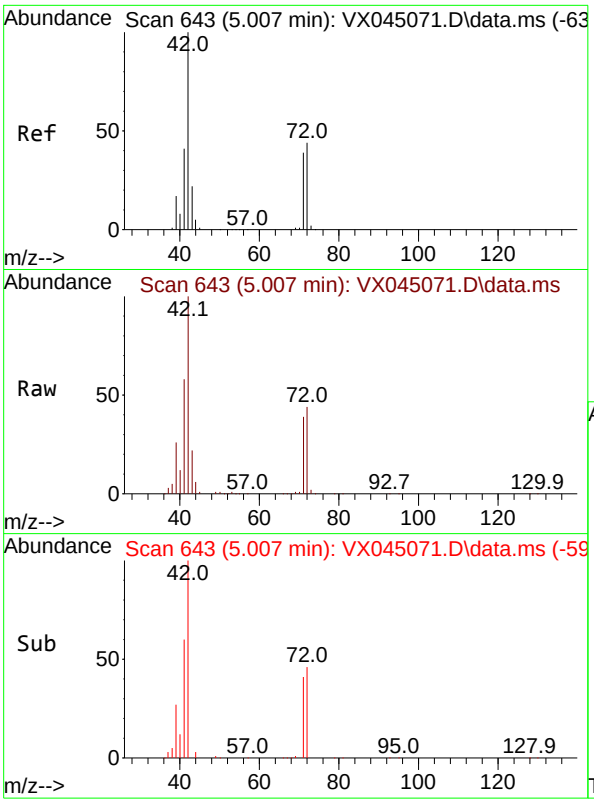


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

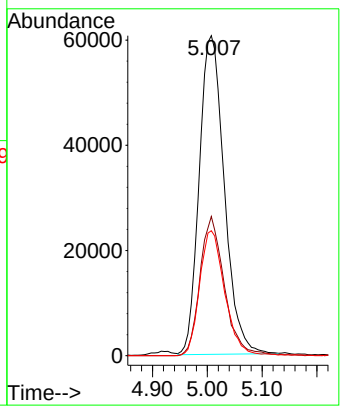




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

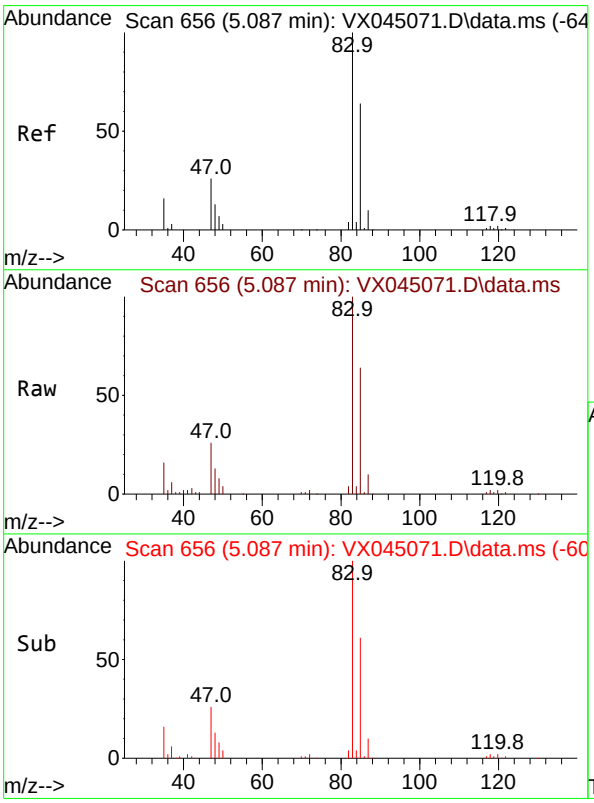
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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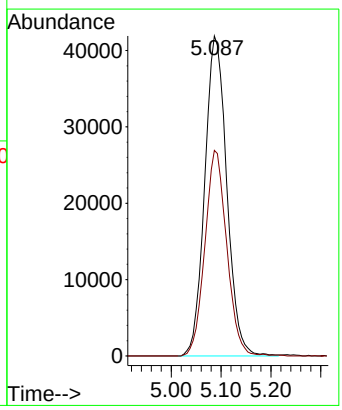
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

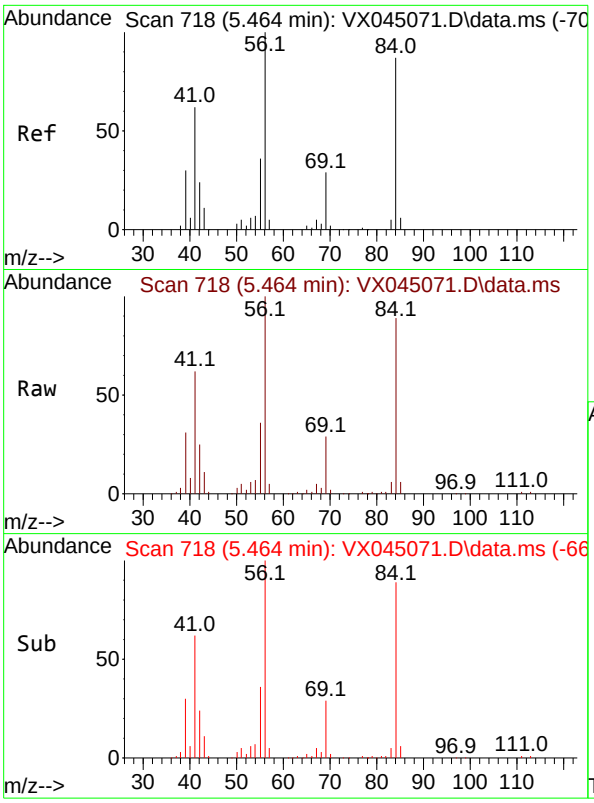


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

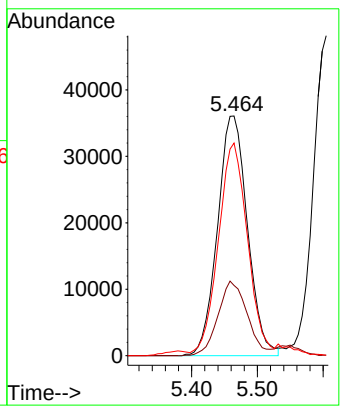




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

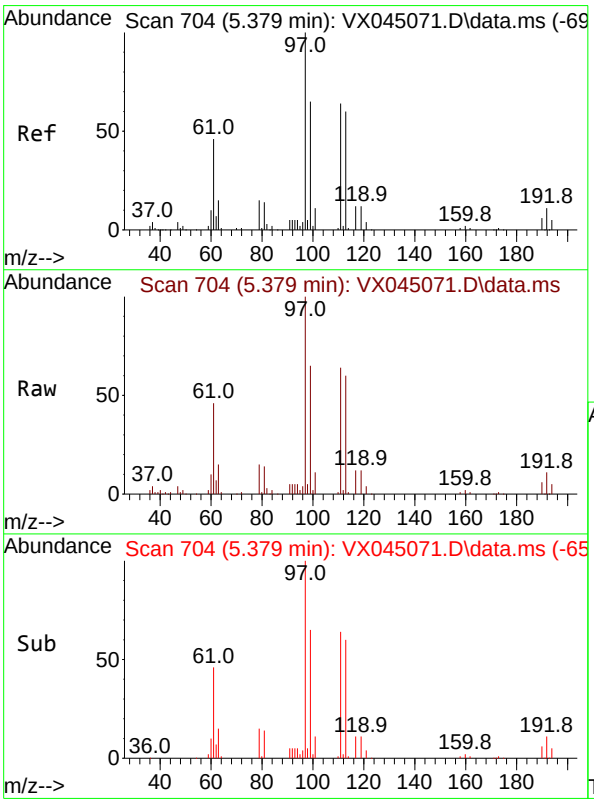
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

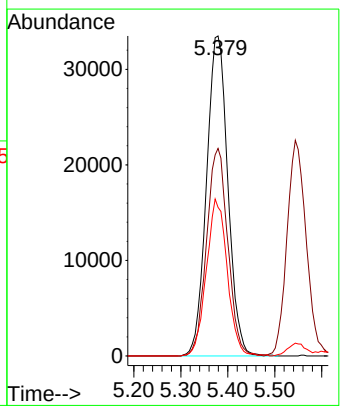
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

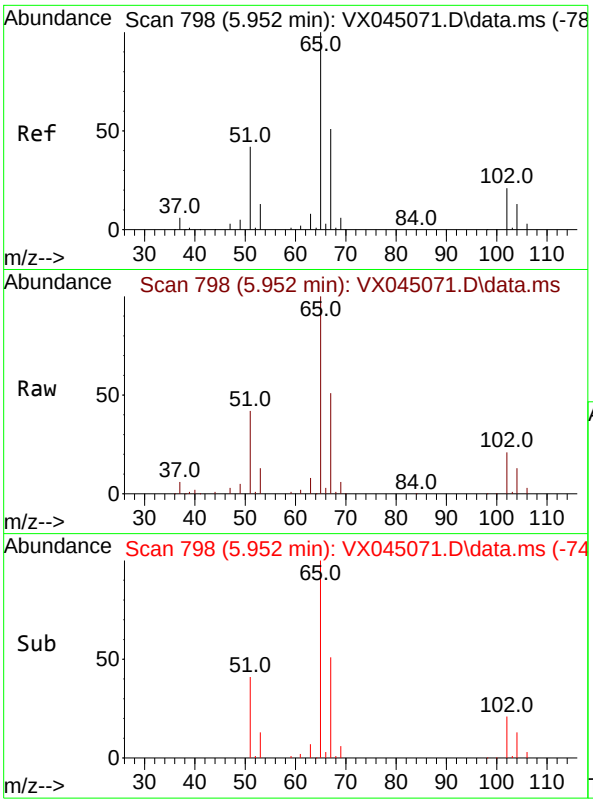


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6

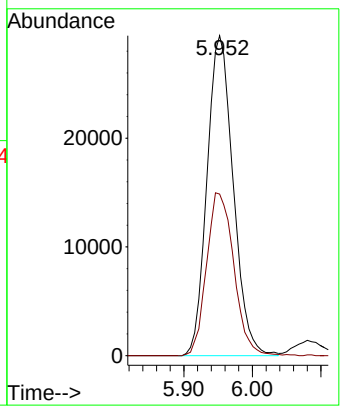




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

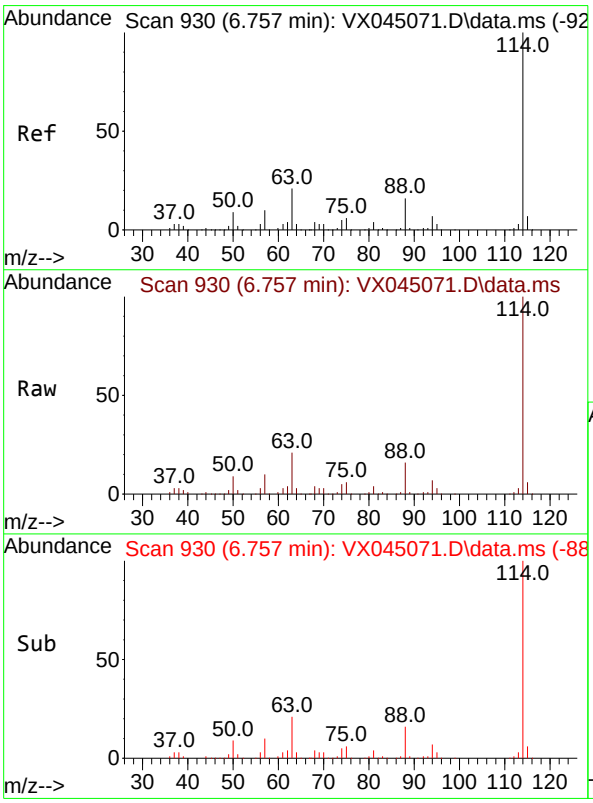
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

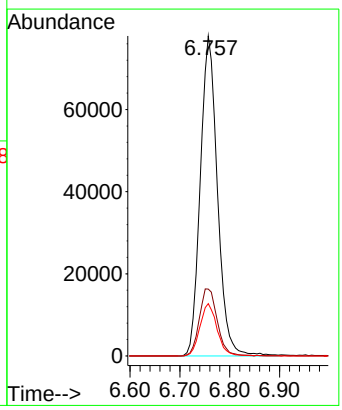
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

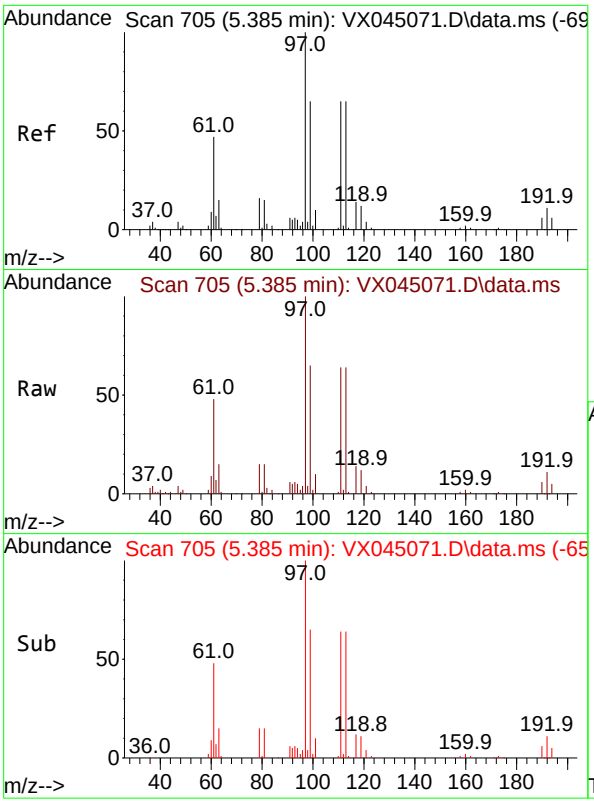


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8

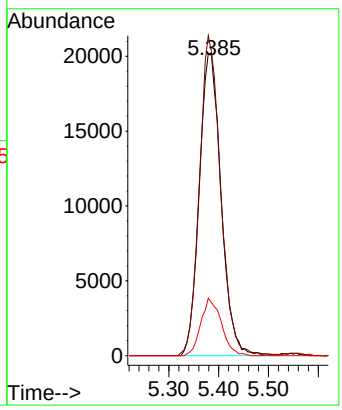




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

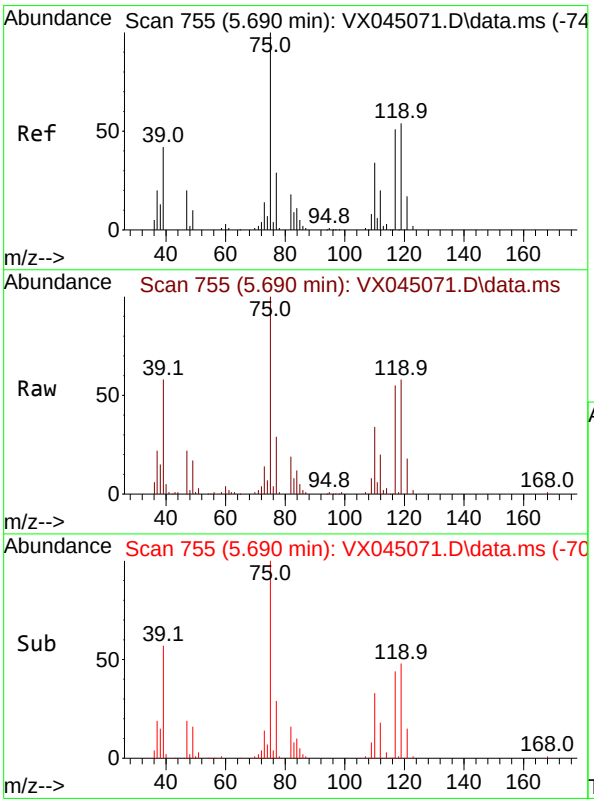
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

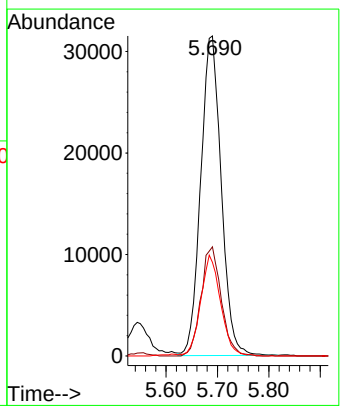
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

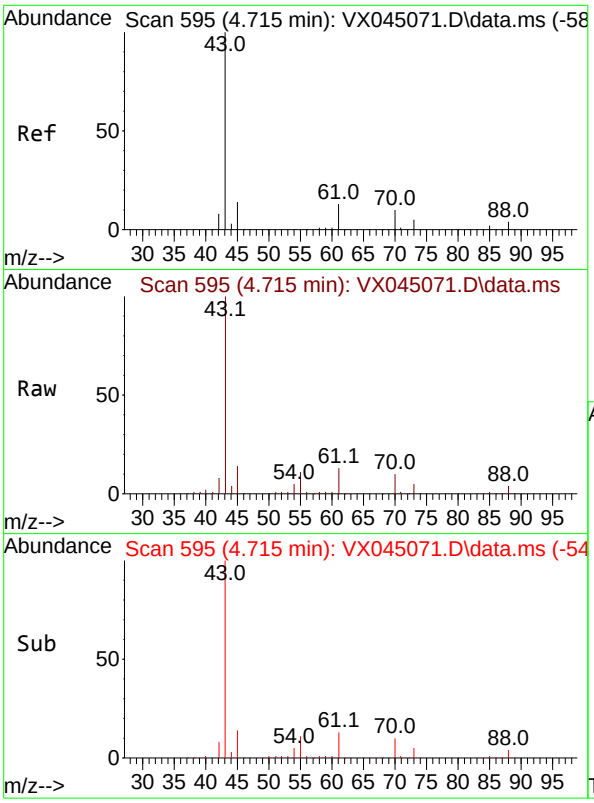


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7

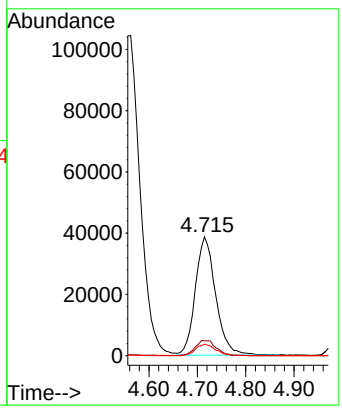




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

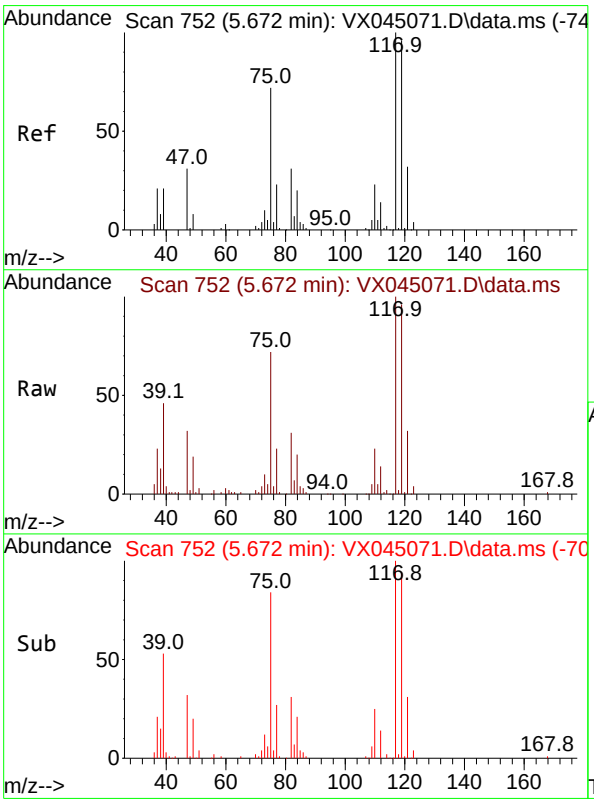
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

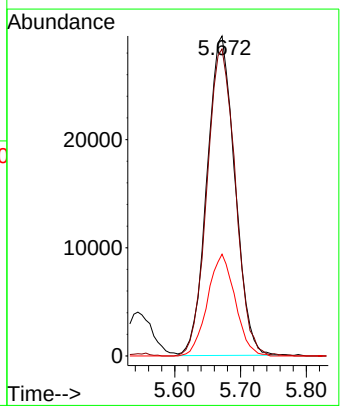
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

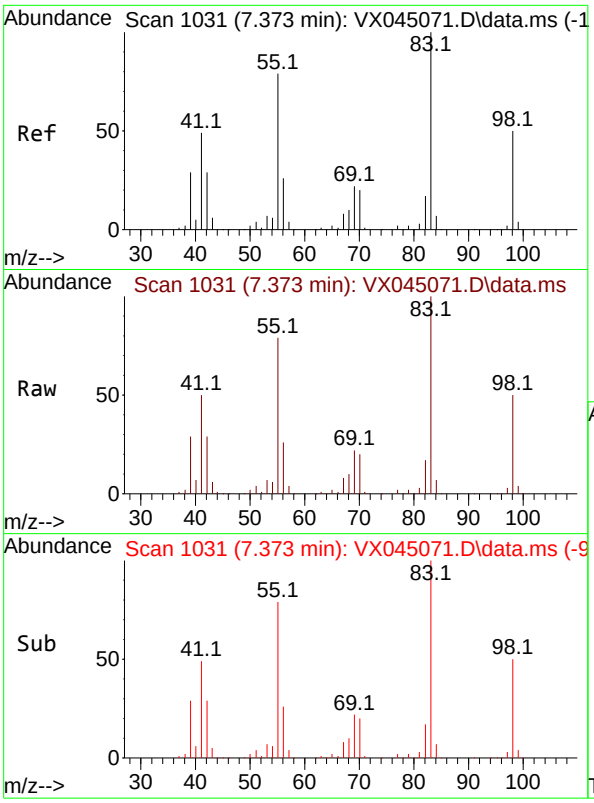


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3





#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

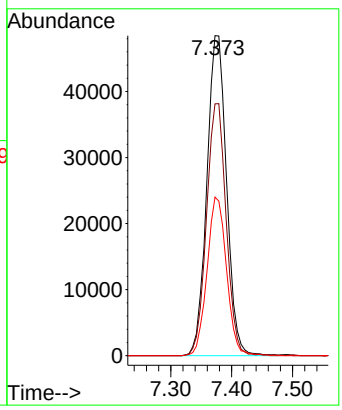
Tgt Ion: 83 Resp: 10897

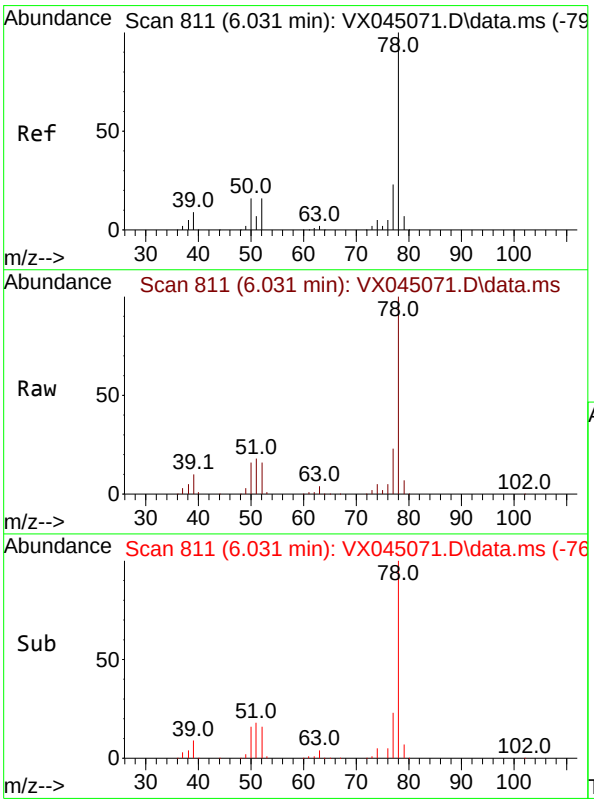
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

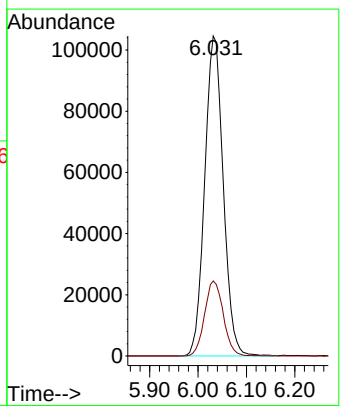


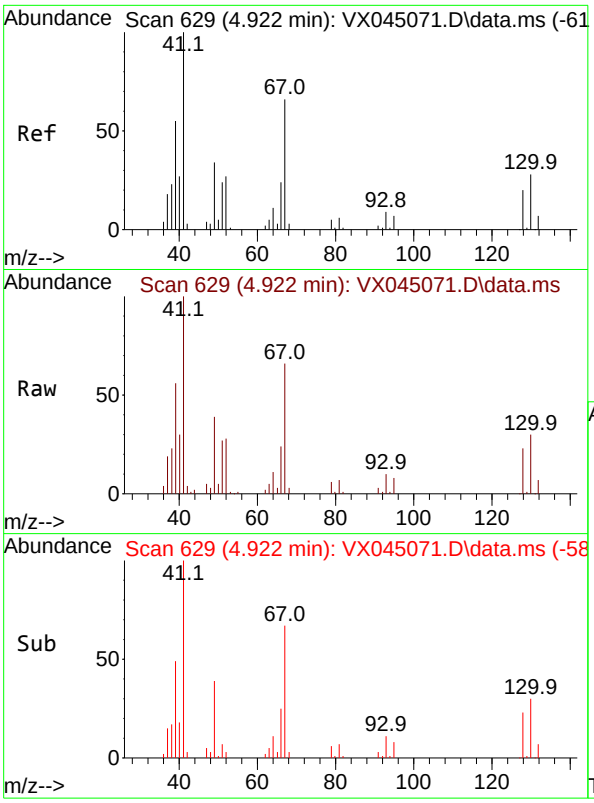


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

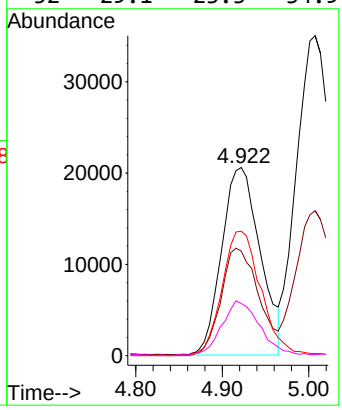




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

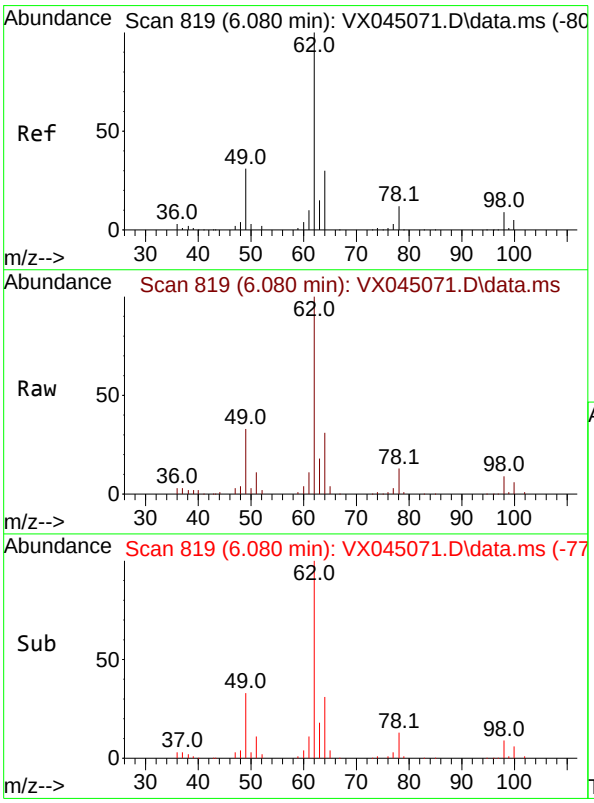
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

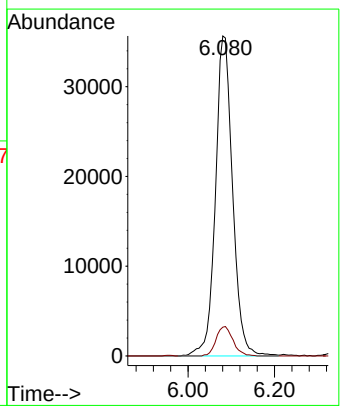
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

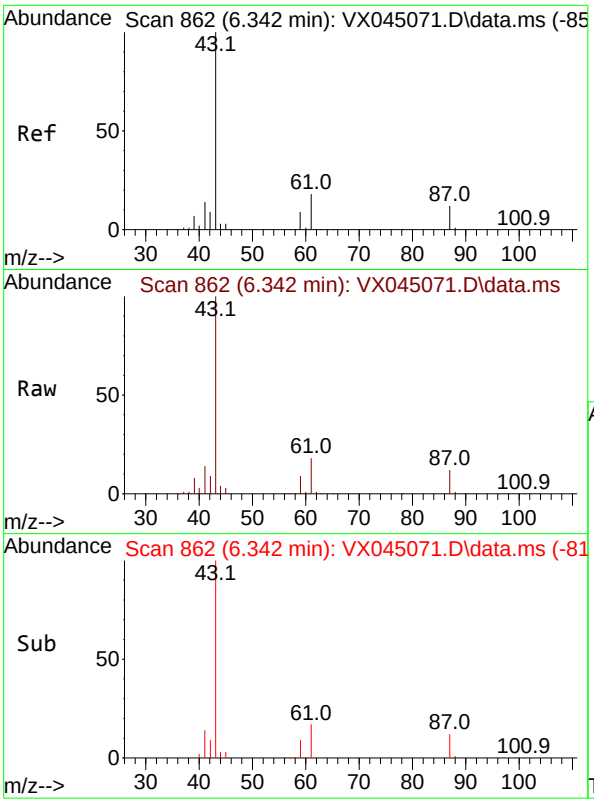


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

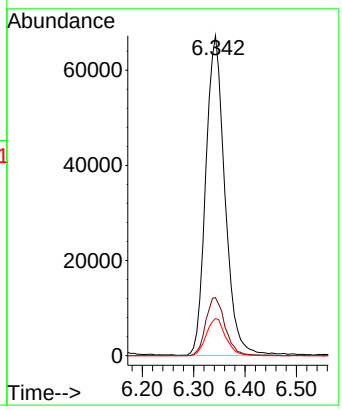
Tgt Ion: 43 Resp: 17304

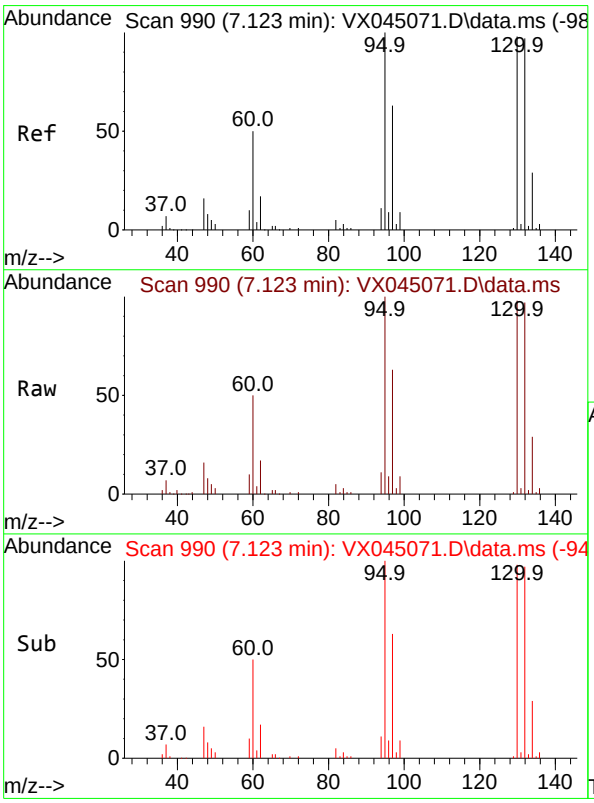
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

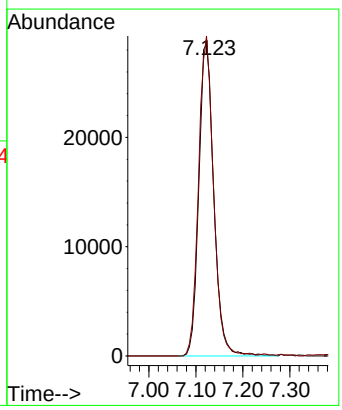


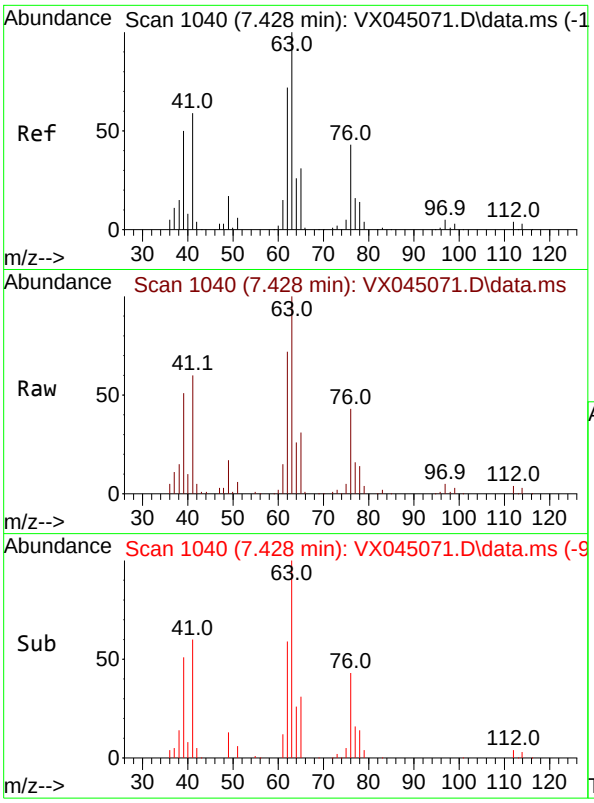


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

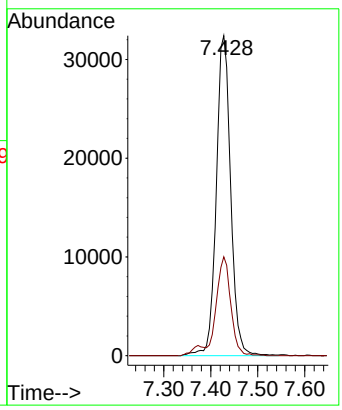




#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 6912

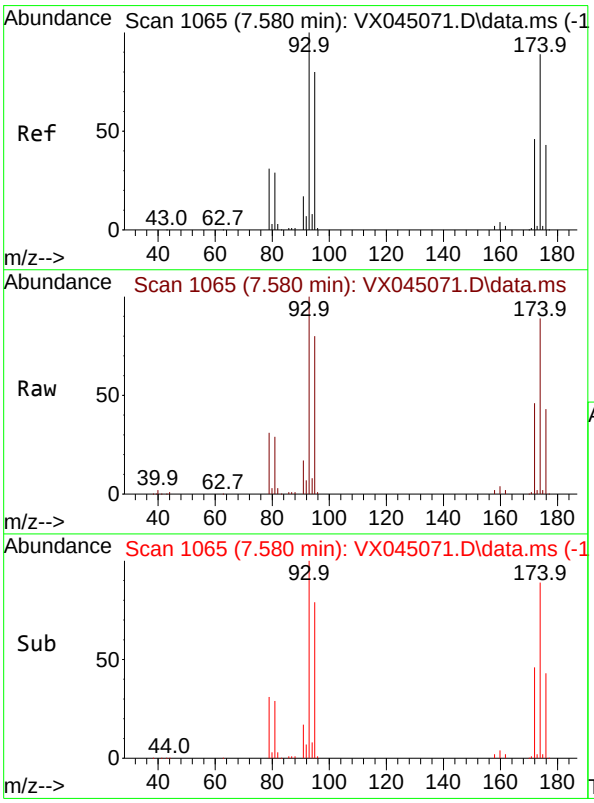
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

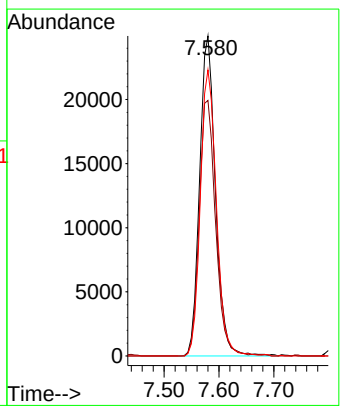
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

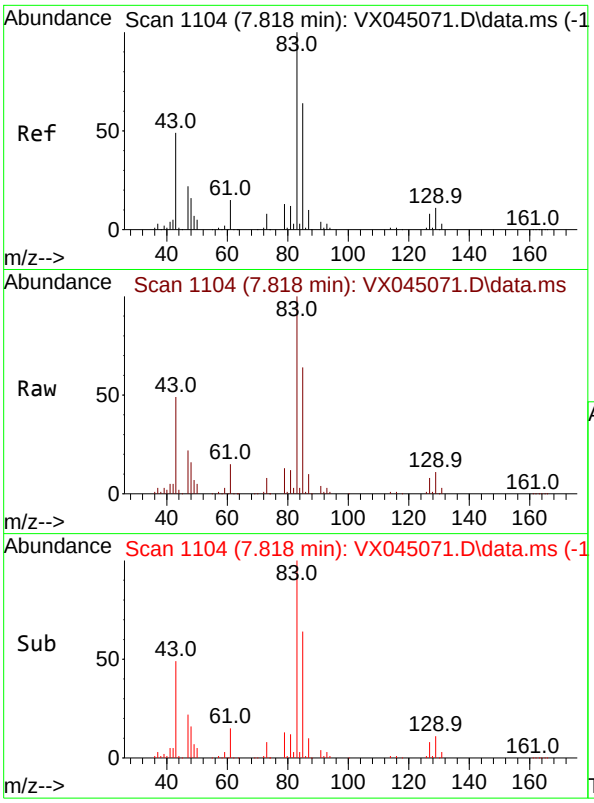


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2

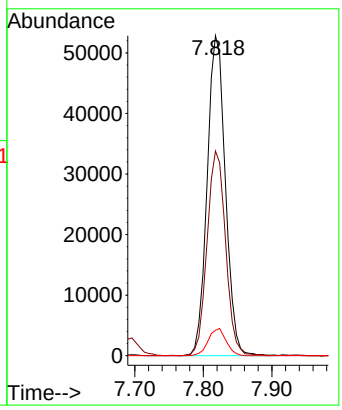




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

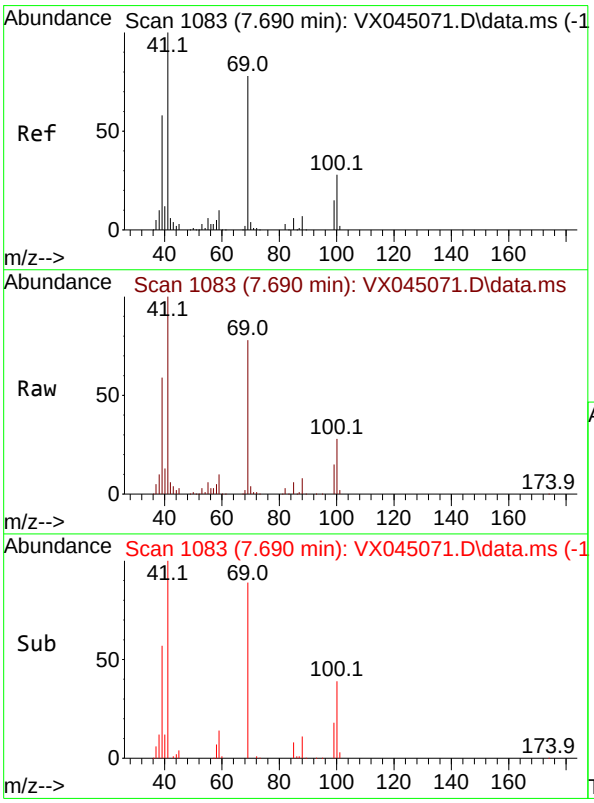
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

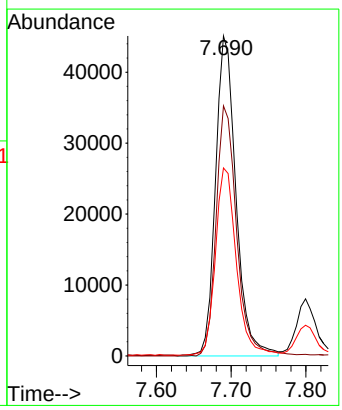
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

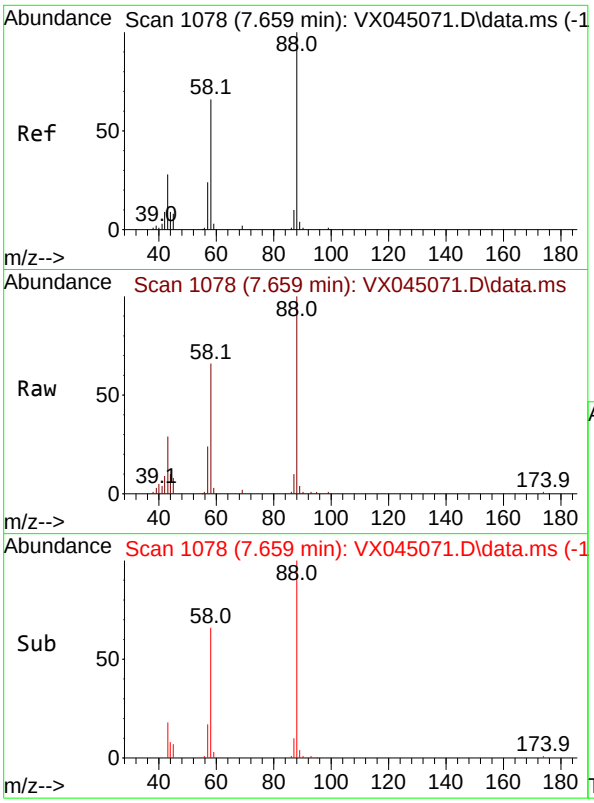


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

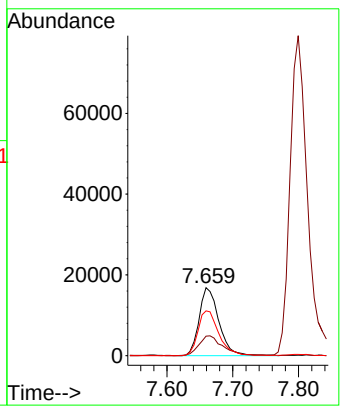
Tgt Ion: 88 Resp: 3505

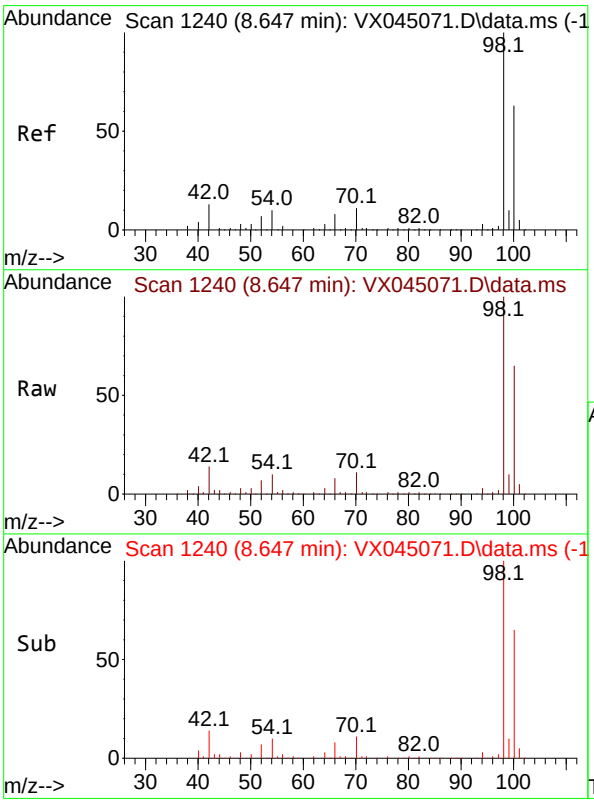
Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

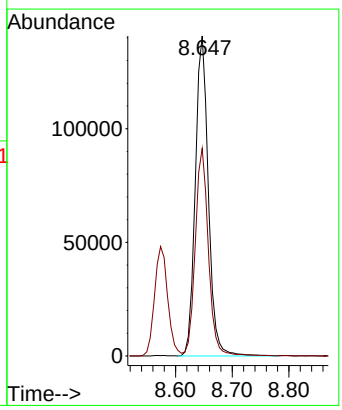


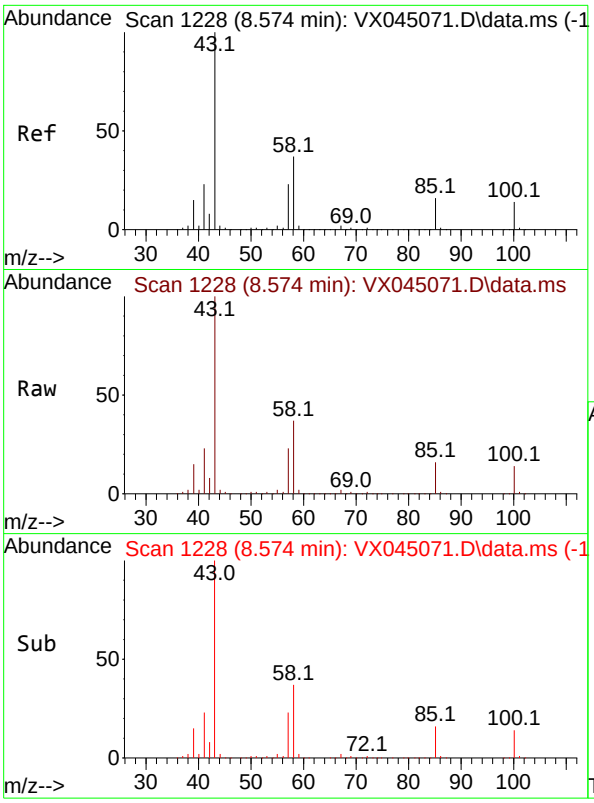


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

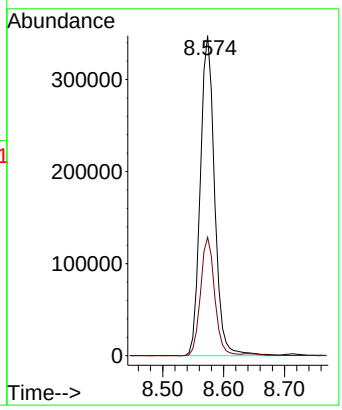




#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 56873

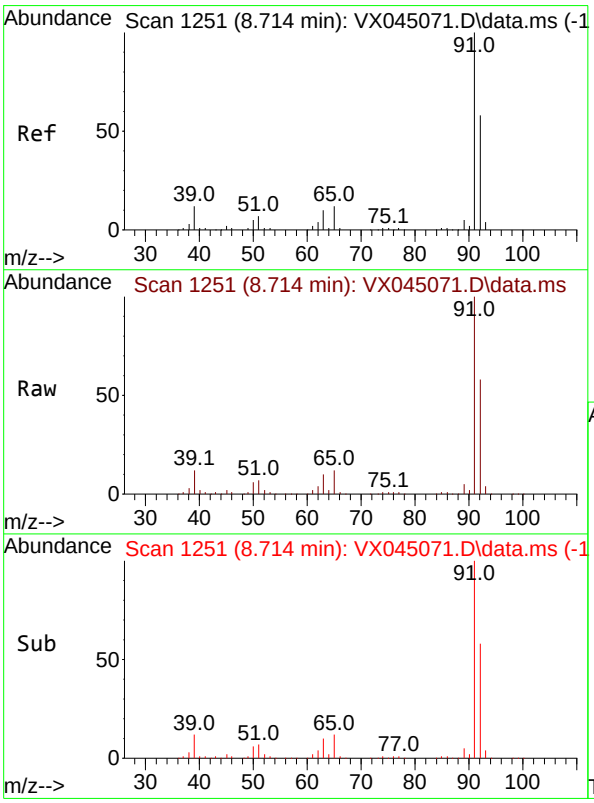
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

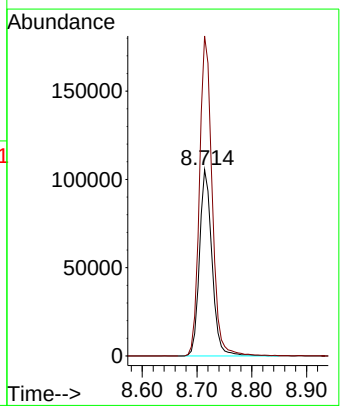
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

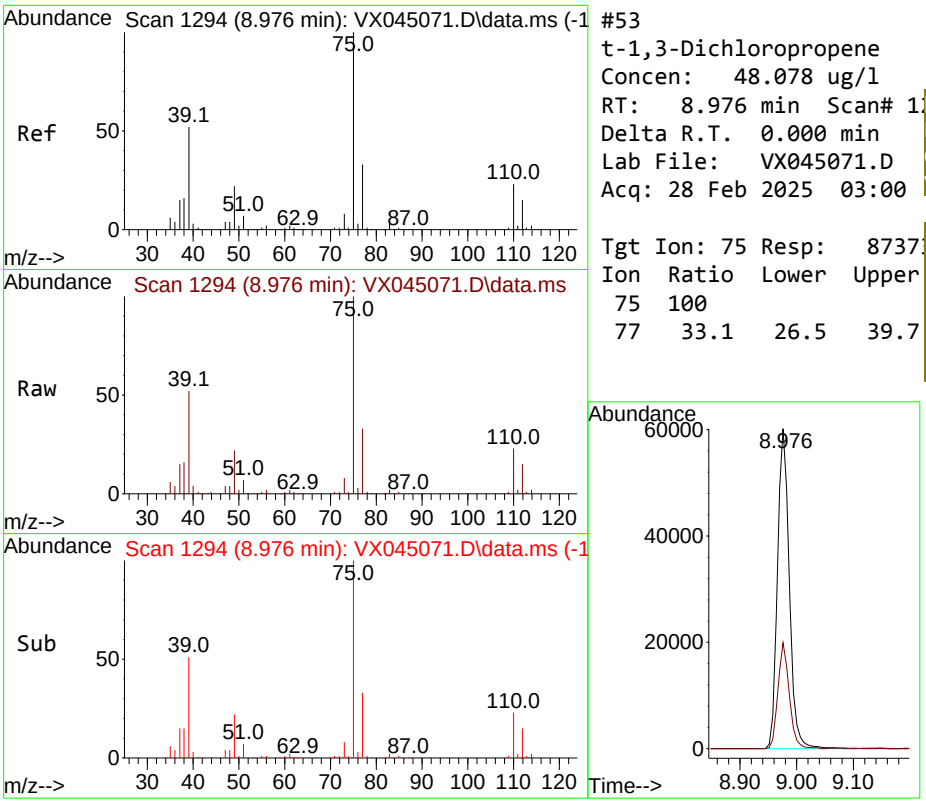


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3





#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

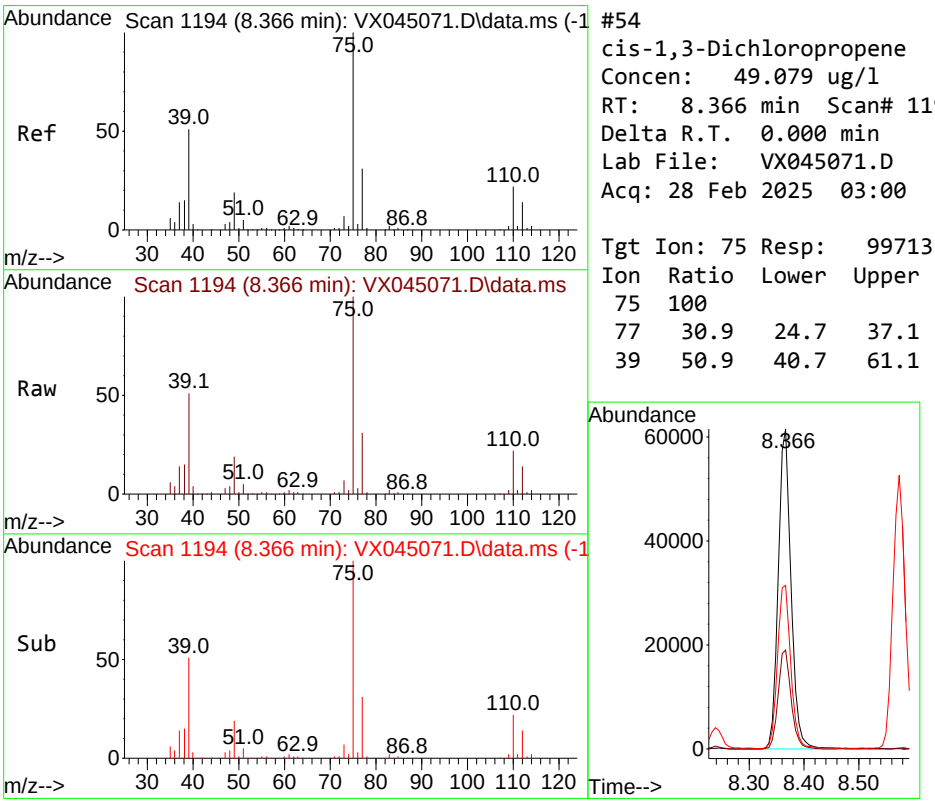
Tgt Ion: 75 Resp: 8737

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

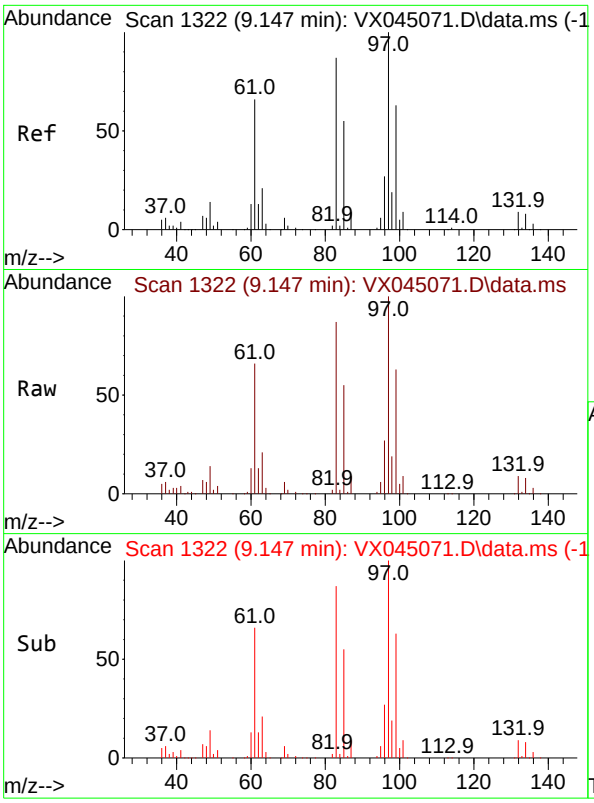
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

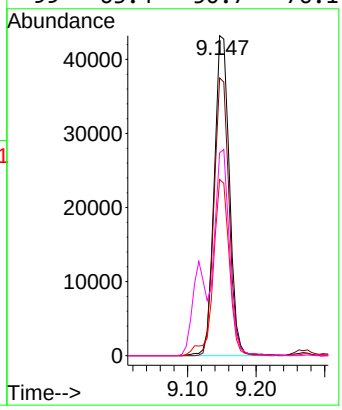
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 6637

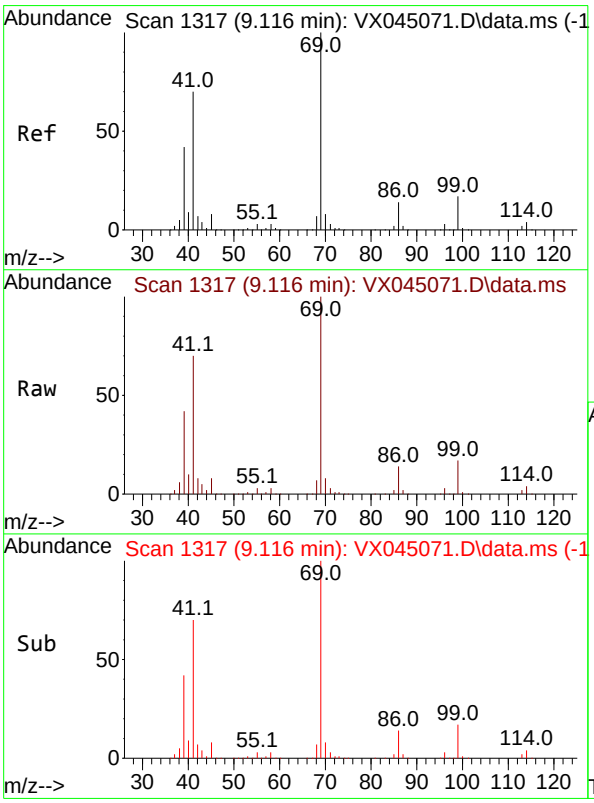
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

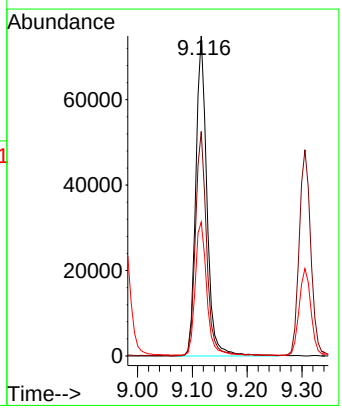
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

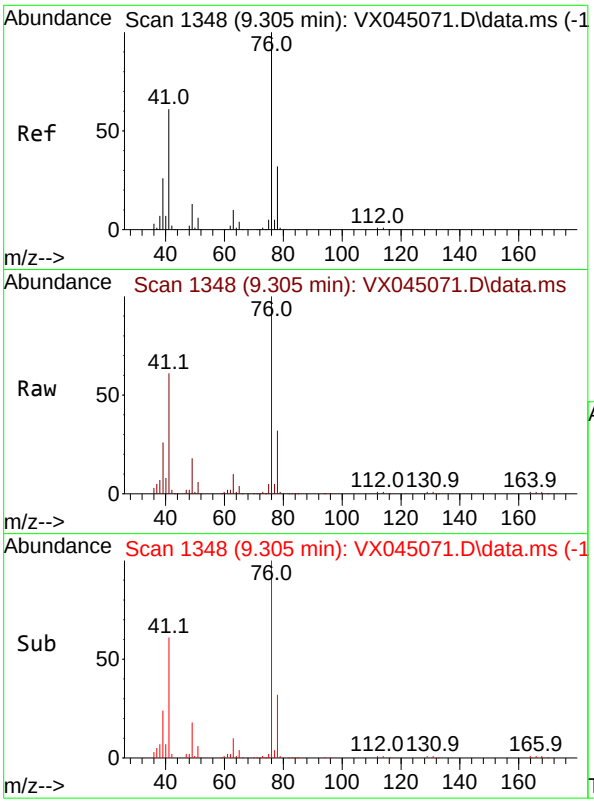


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4





#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

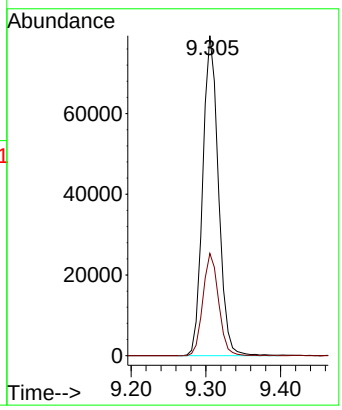
Tgt Ion: 76 Resp: 11548

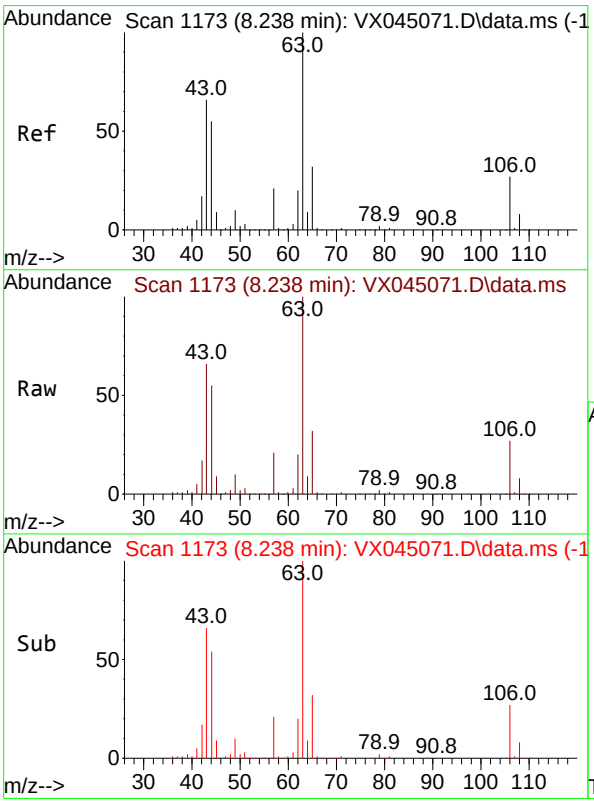
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

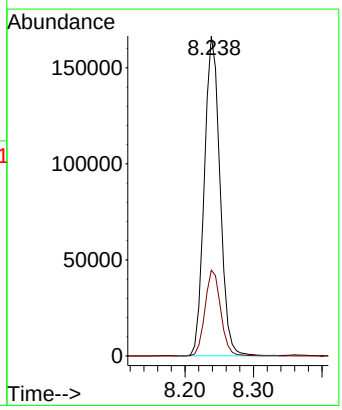


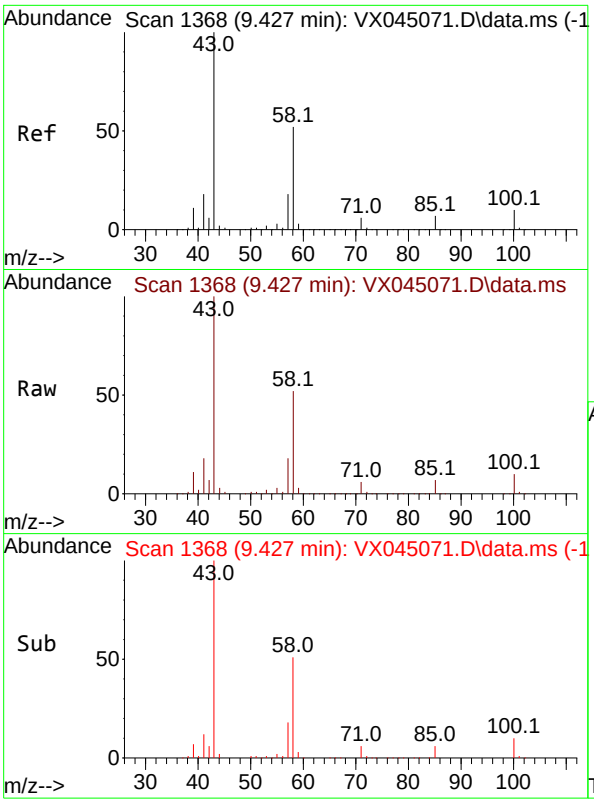


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3

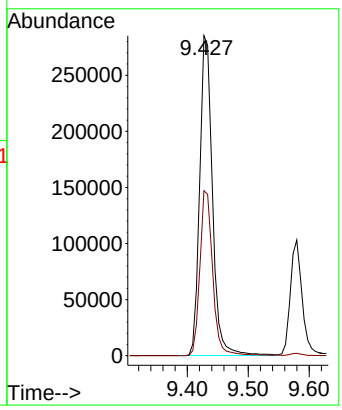




#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 41698

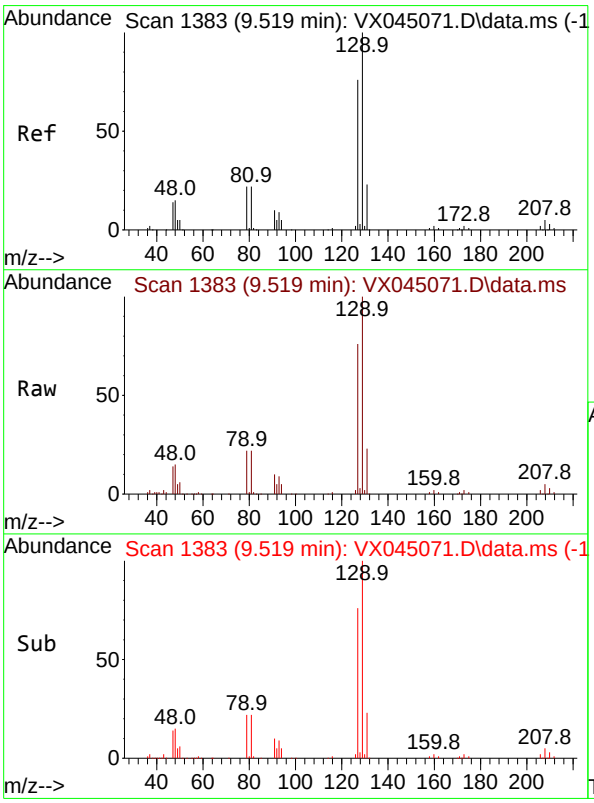
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

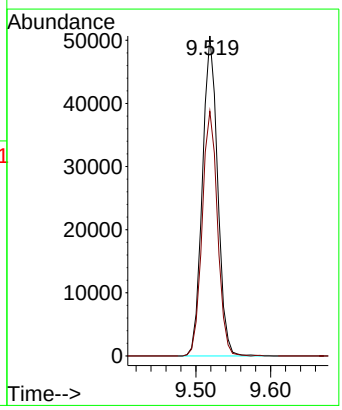
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

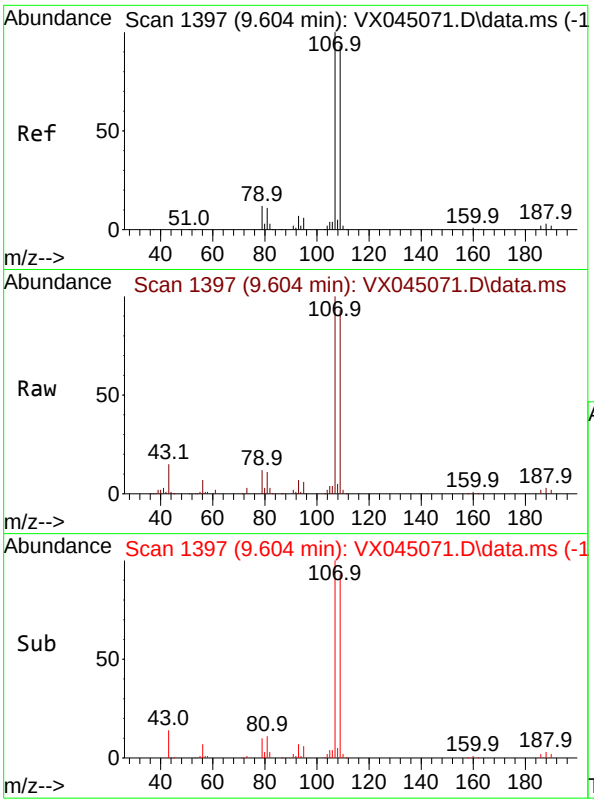


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

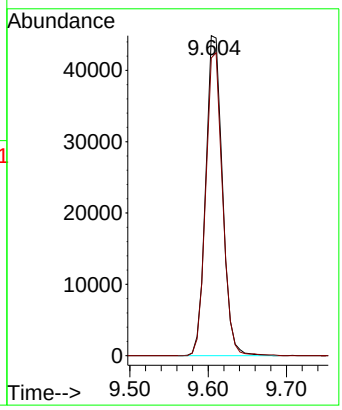




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

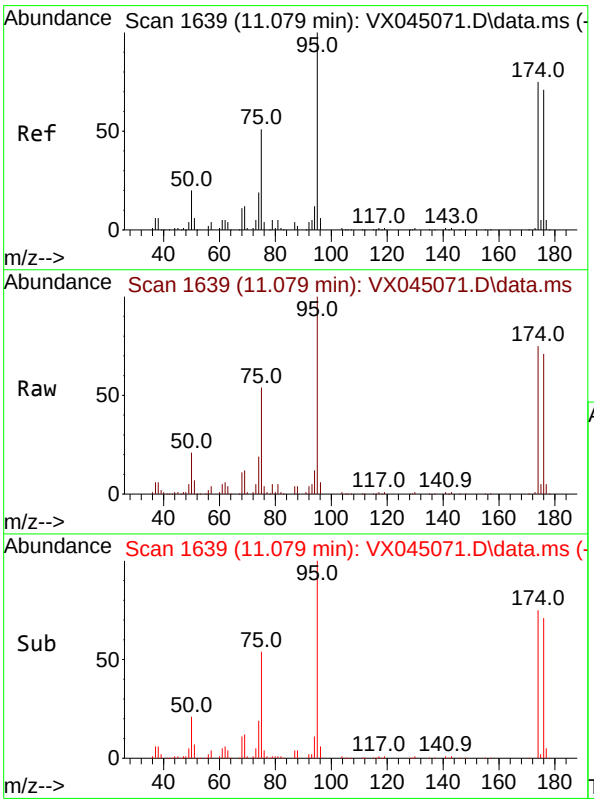
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

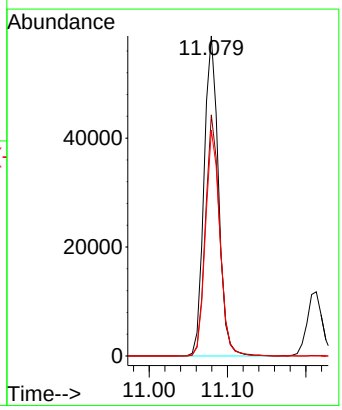
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

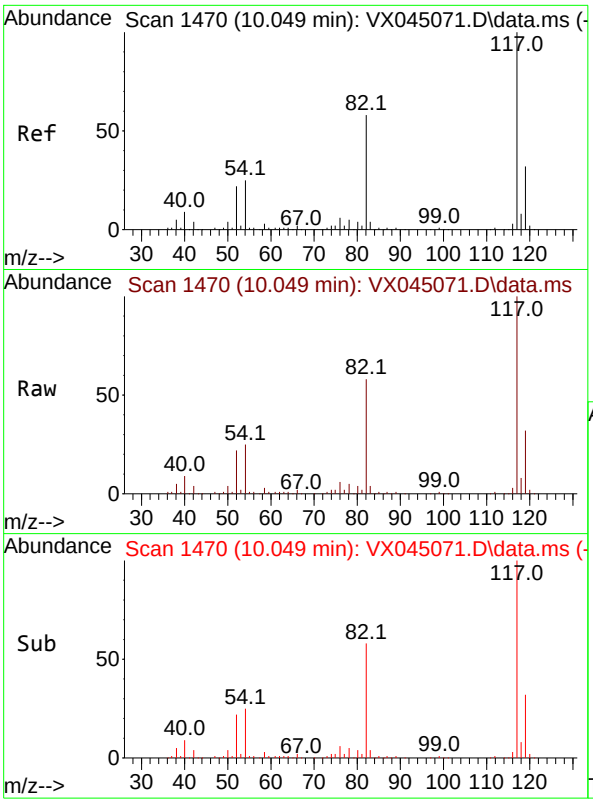


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

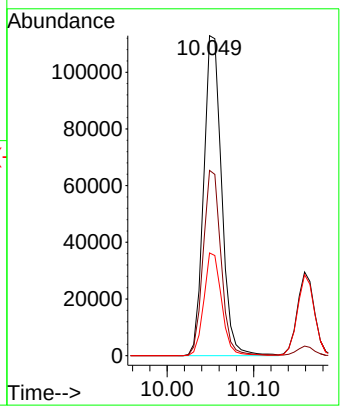
Tgt Ion:117 Resp: 16207

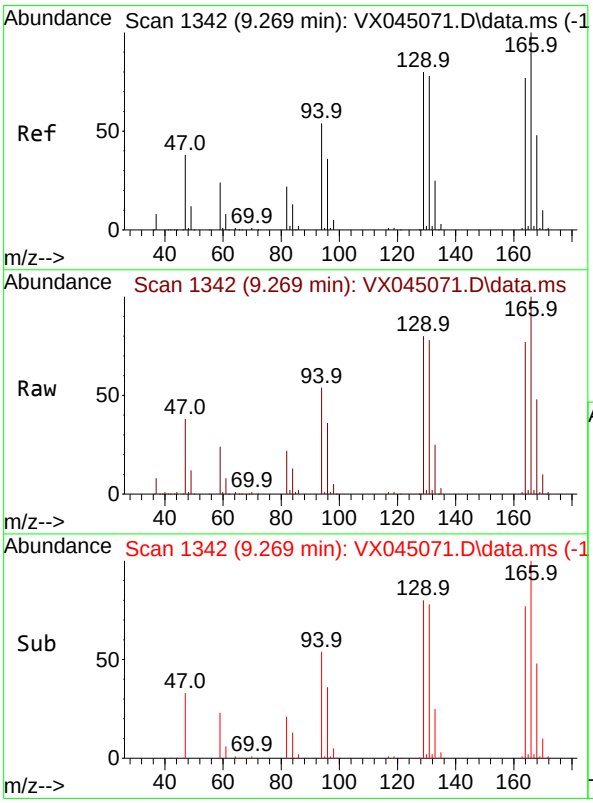
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

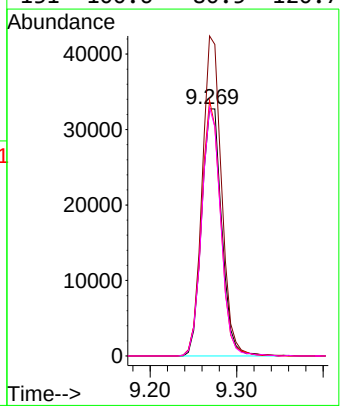


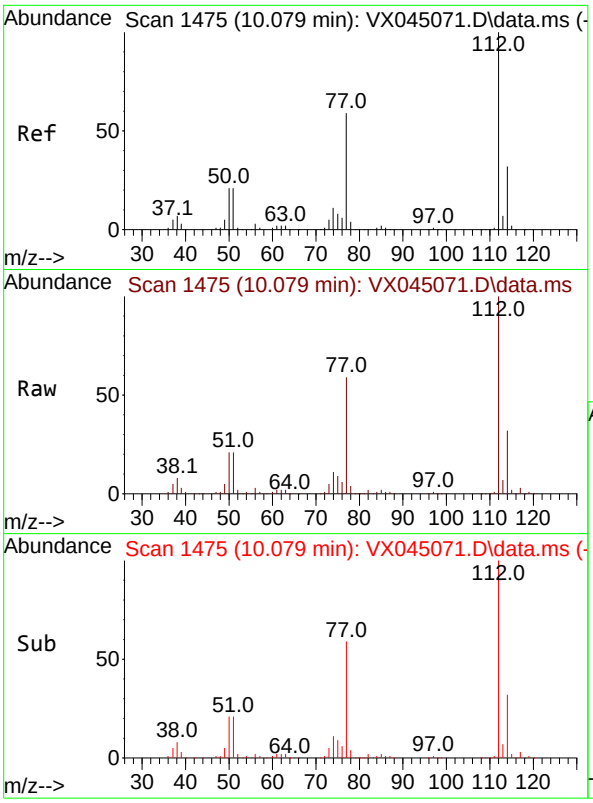


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7

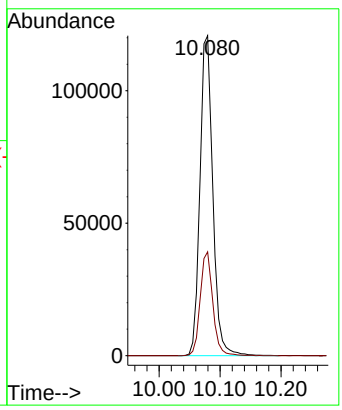




#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:112 Resp: 17692

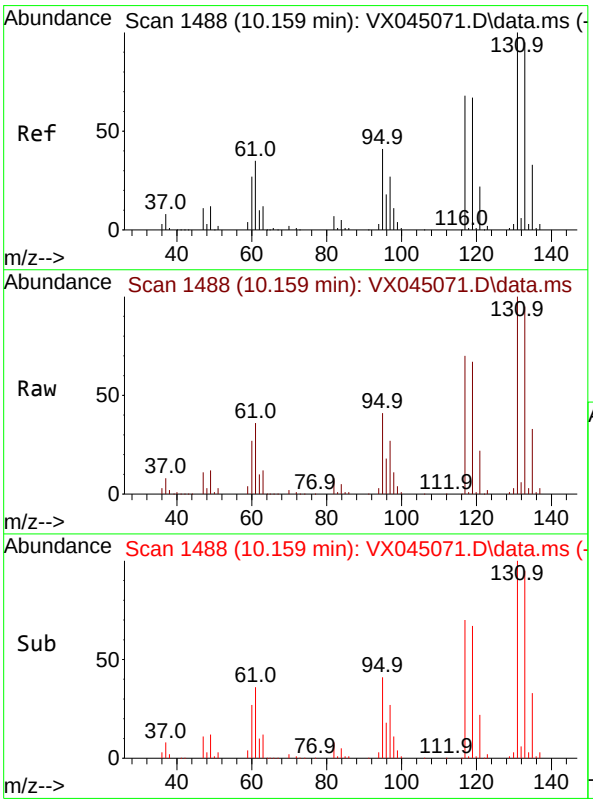
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

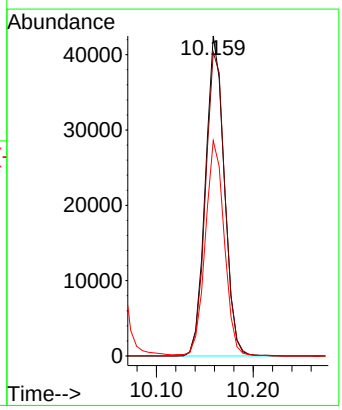
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

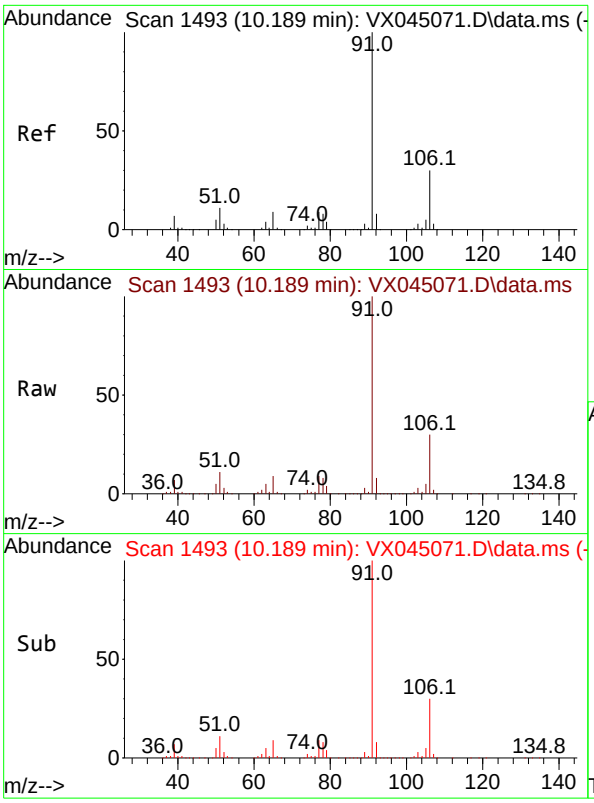


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7

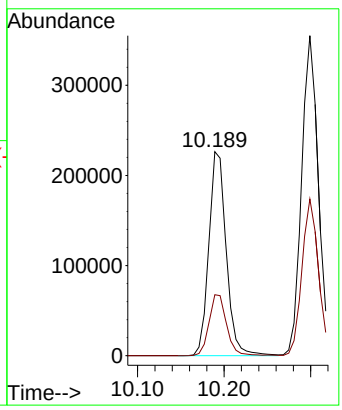




#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 31642

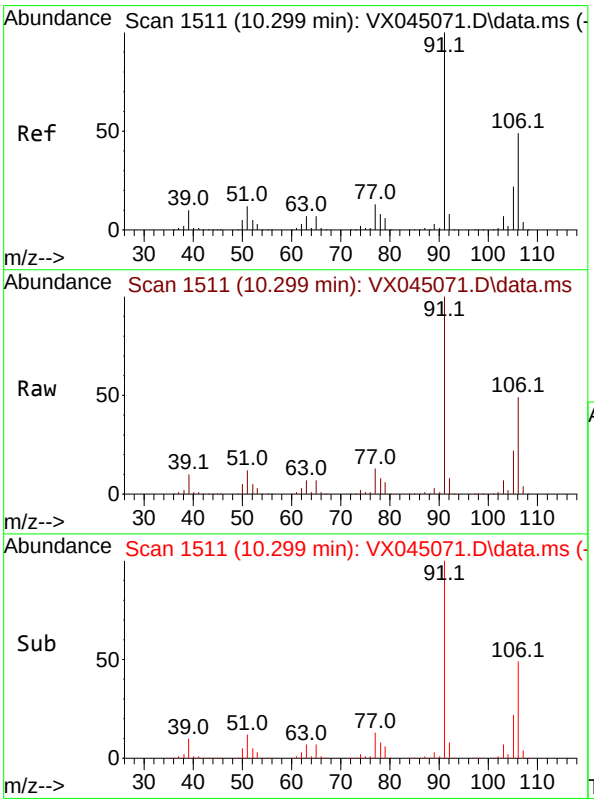
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

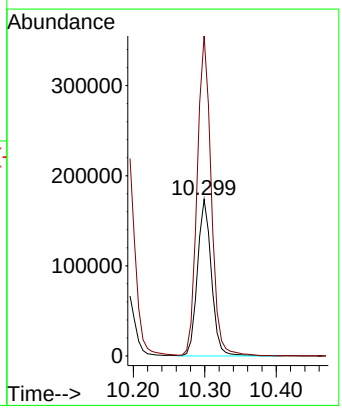
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

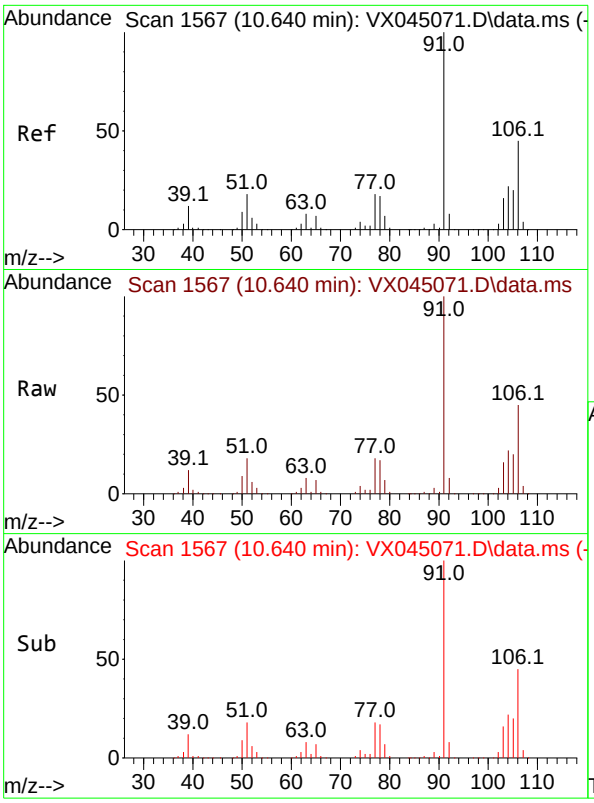


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0

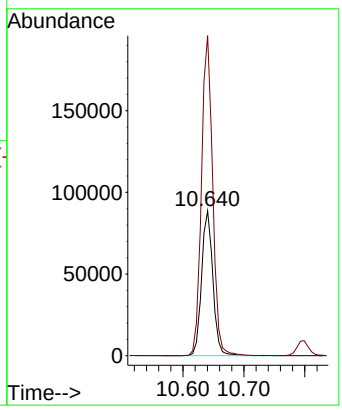




#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 11444

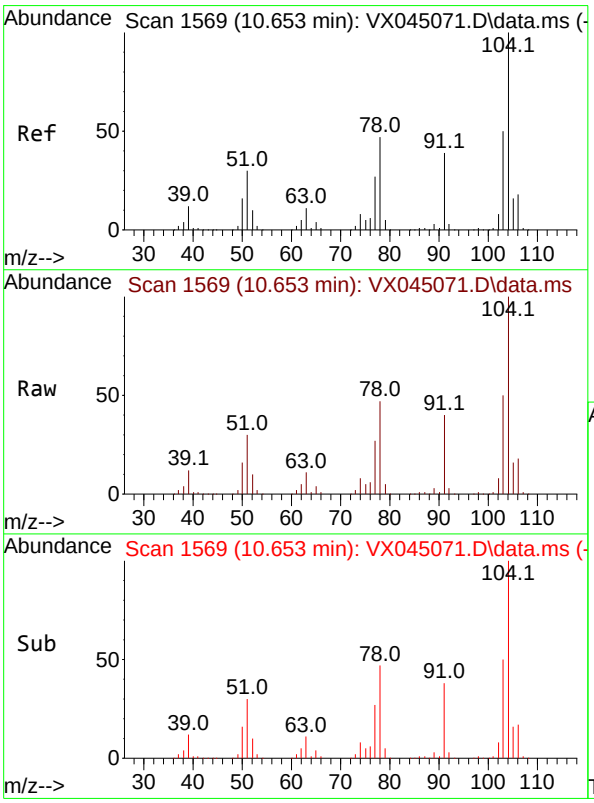
Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

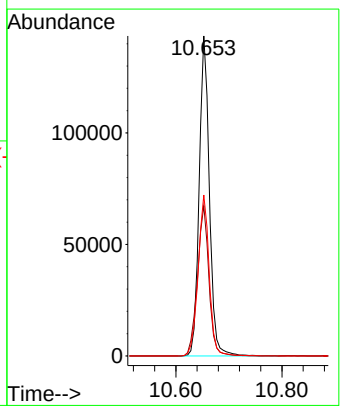
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

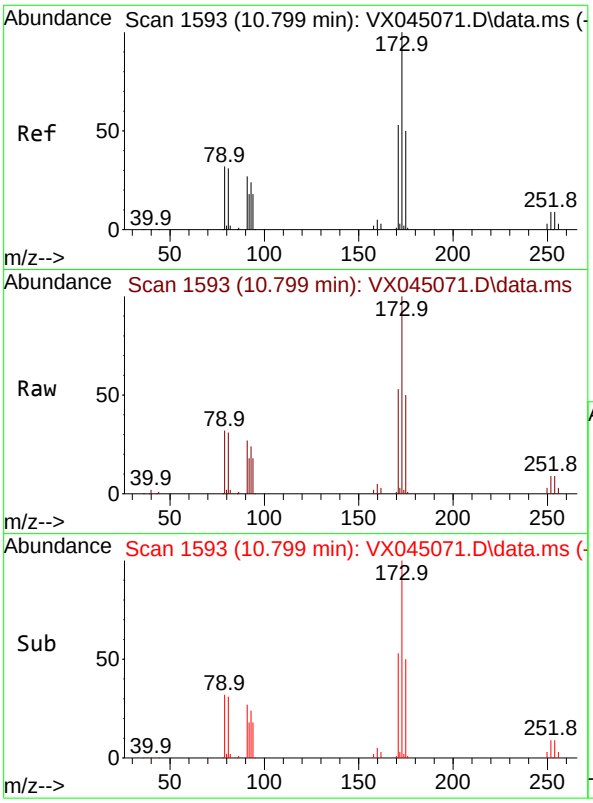


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8

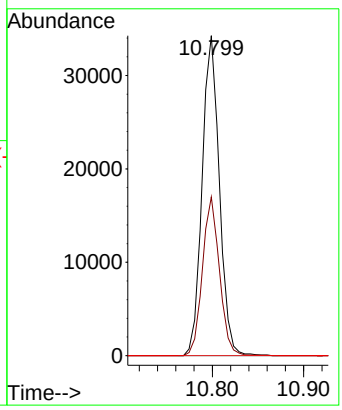




#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:173 Resp: 4473

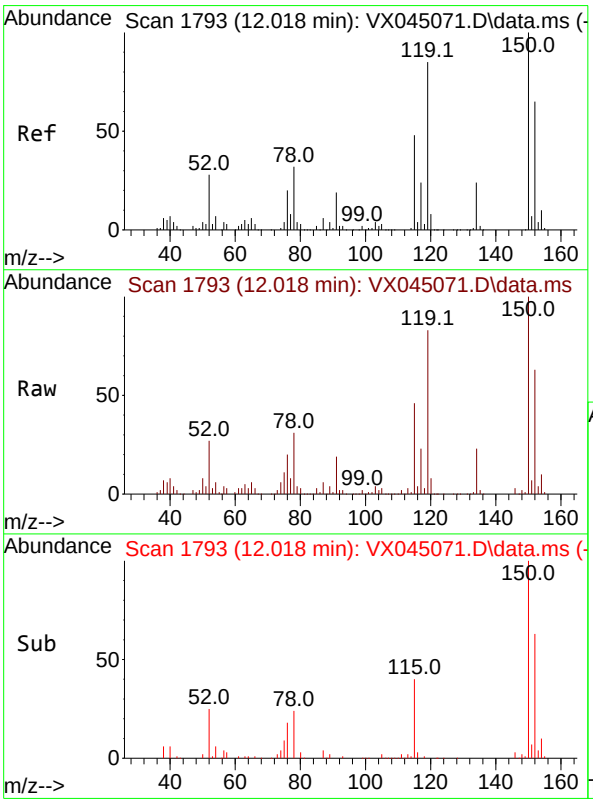
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

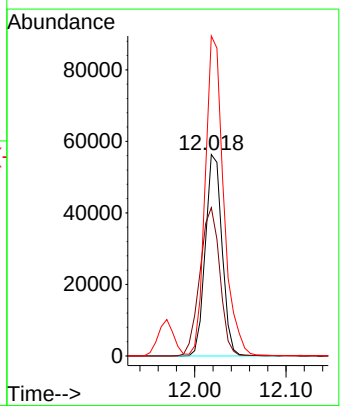
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

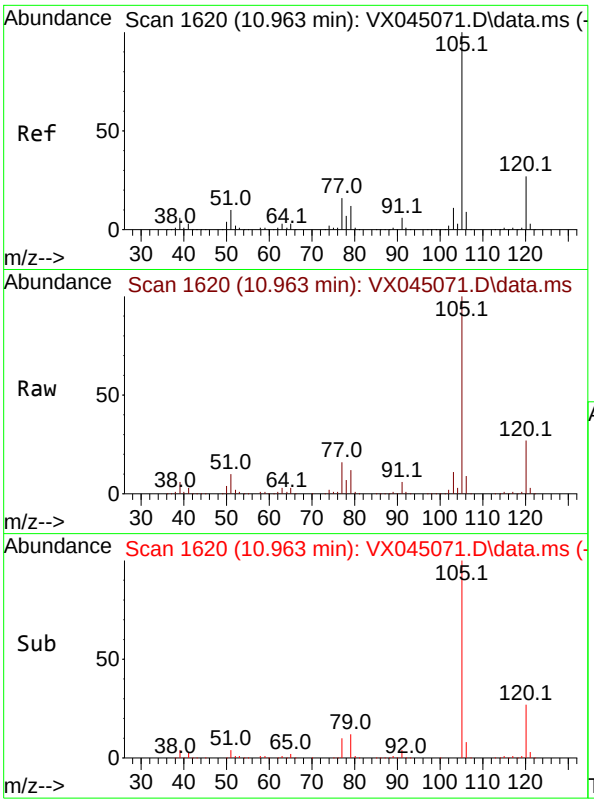


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0

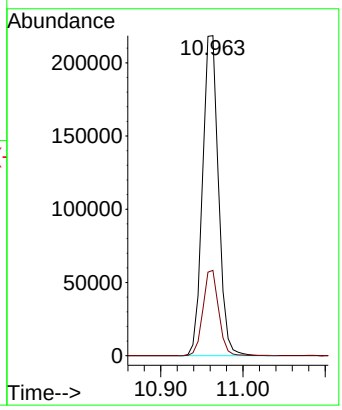




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

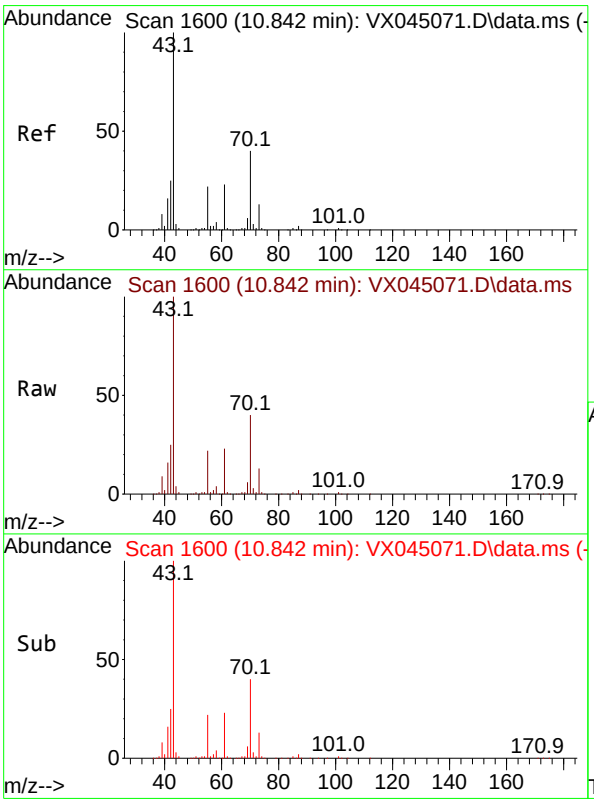
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

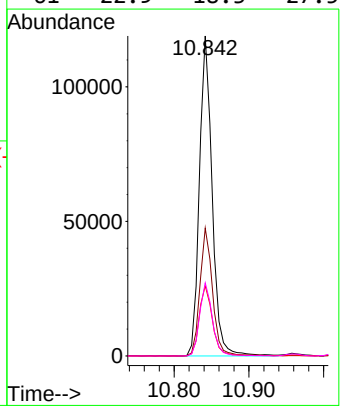
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

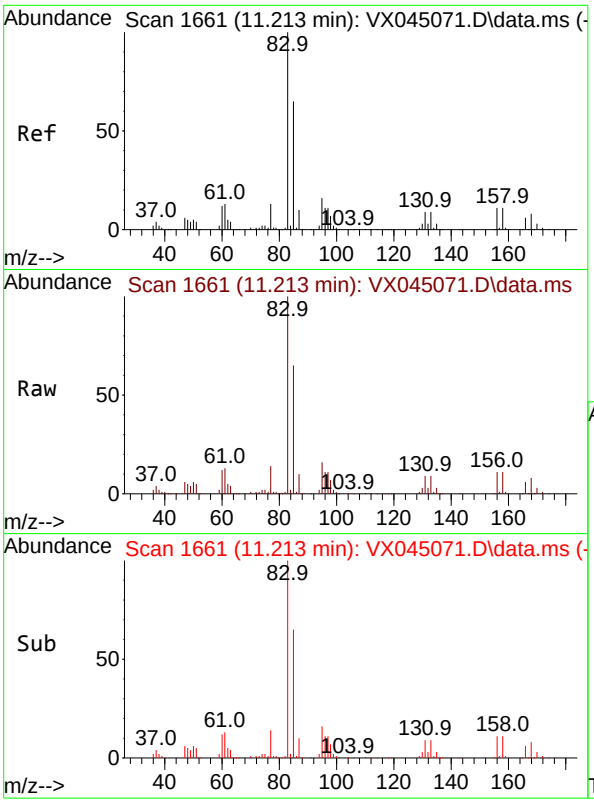


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5

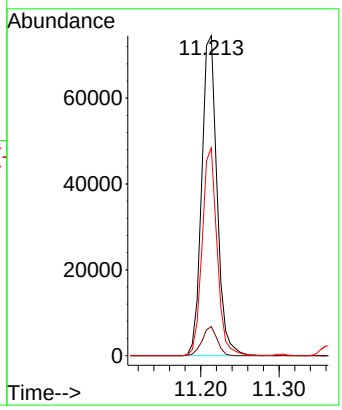




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

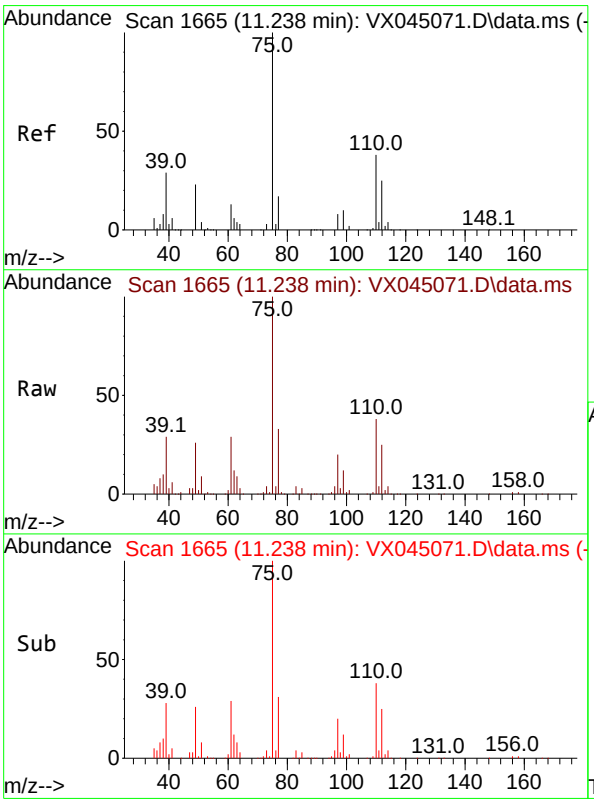
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

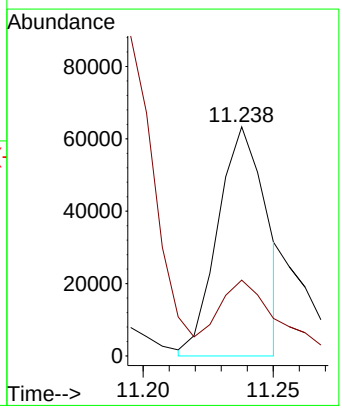
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

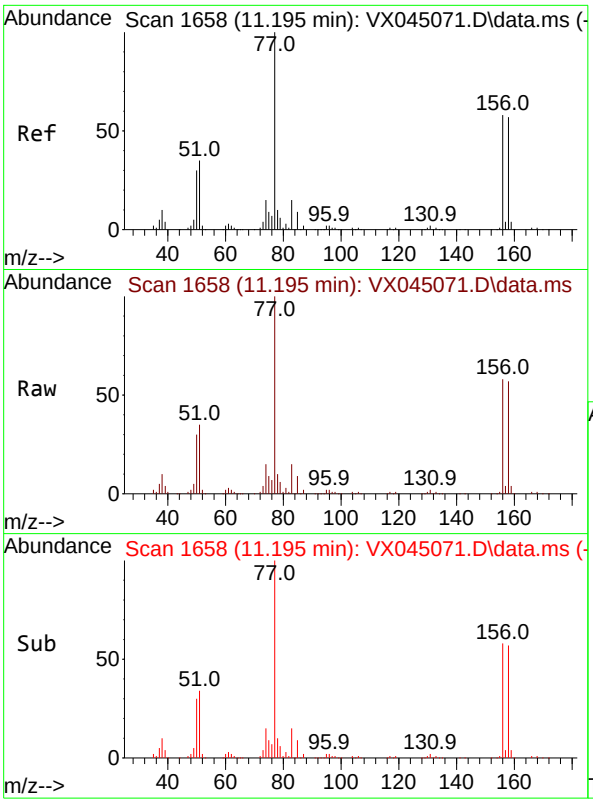


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 81743

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.7	62.1

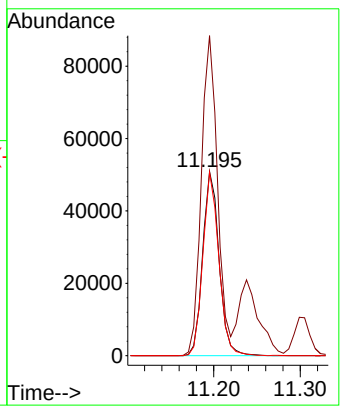




#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:156 Resp: 6690

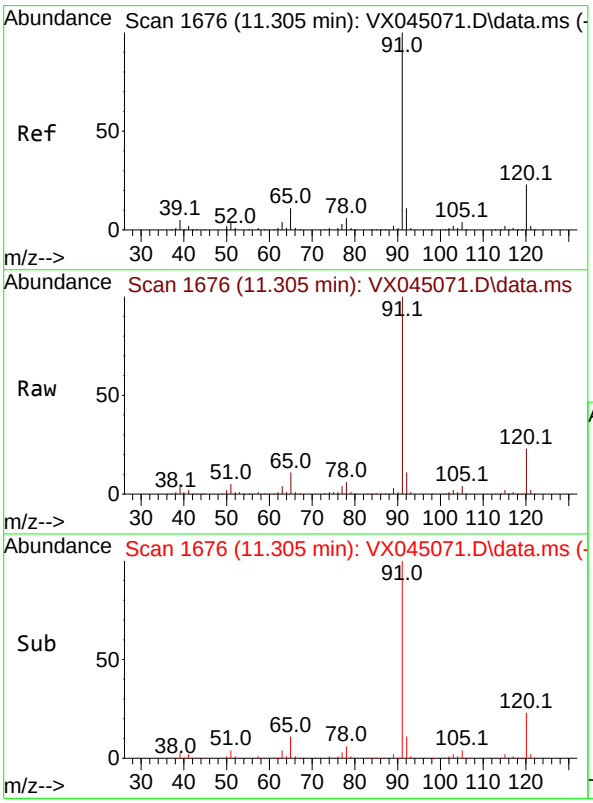
Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

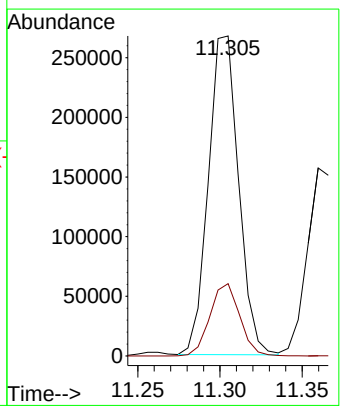
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

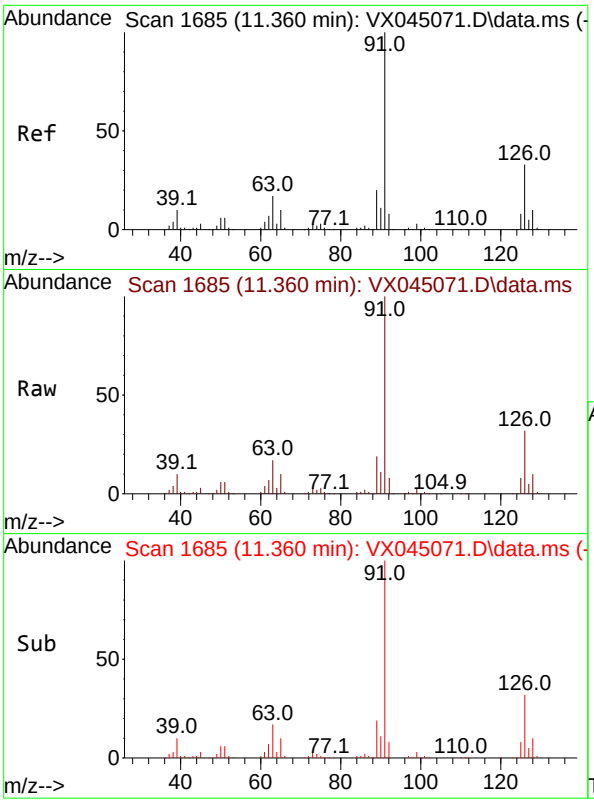


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

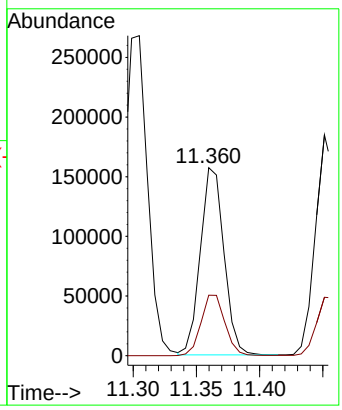




#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 20448

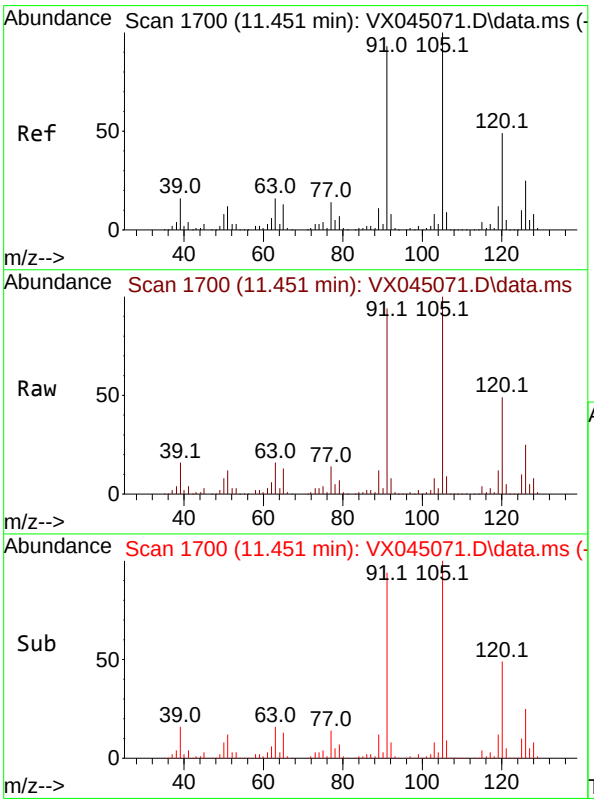
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

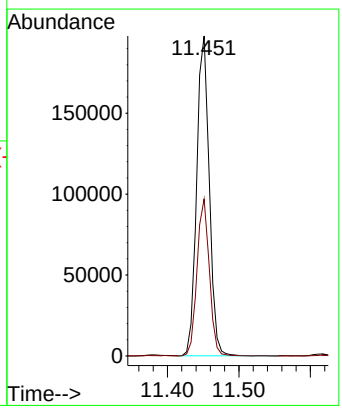
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

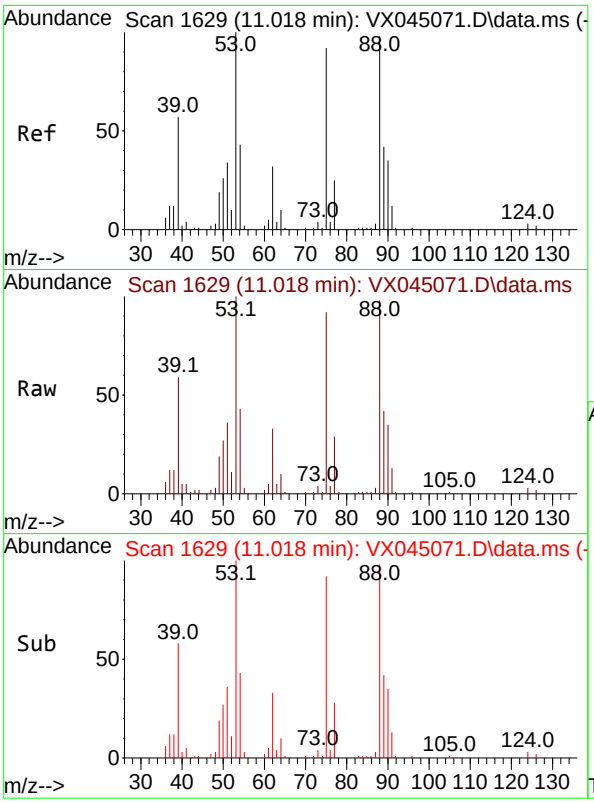


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2

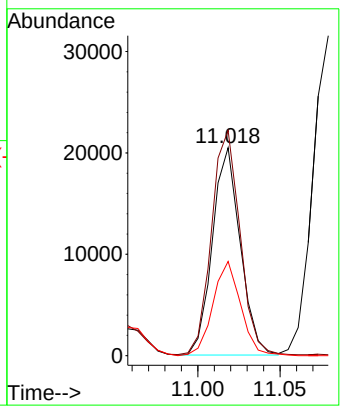




#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 2413

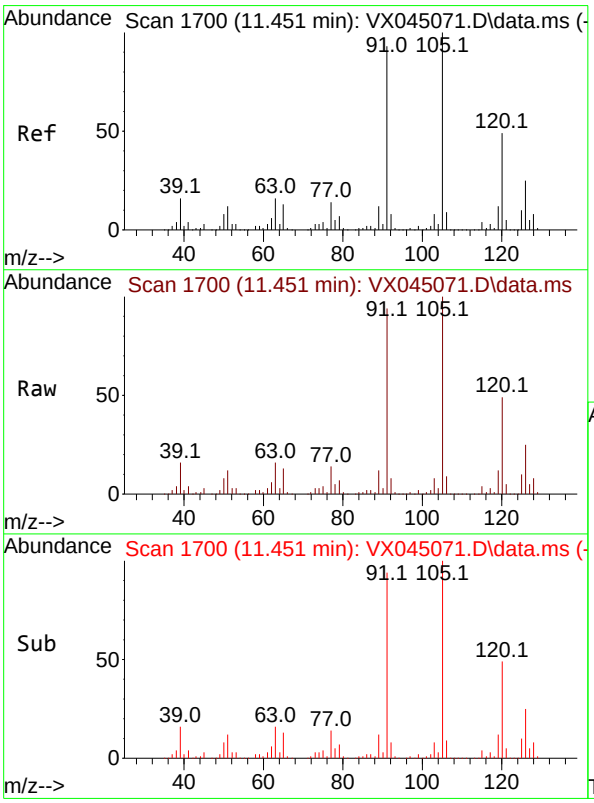
Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

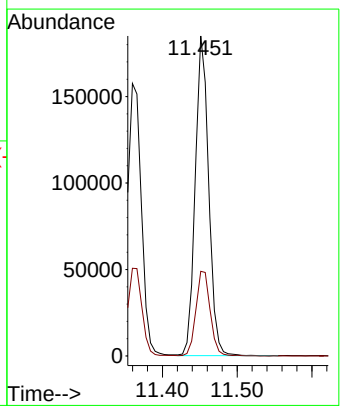
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

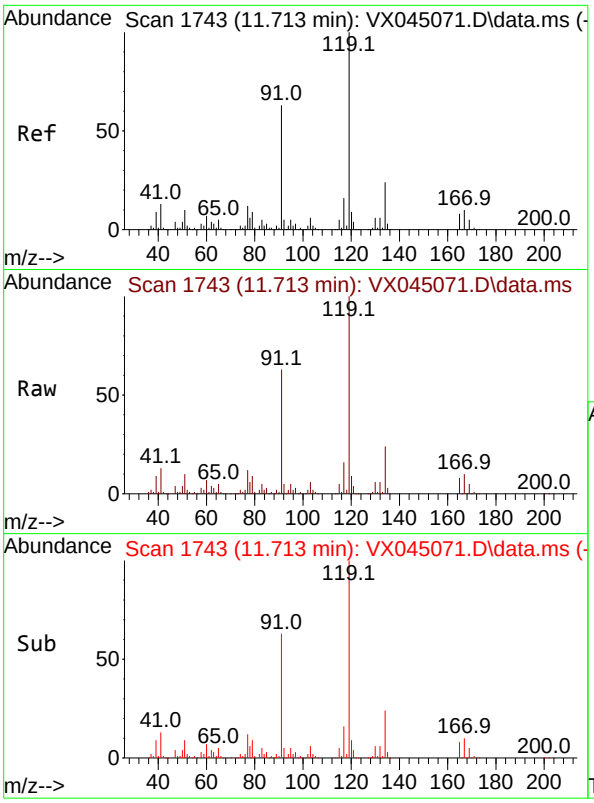


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

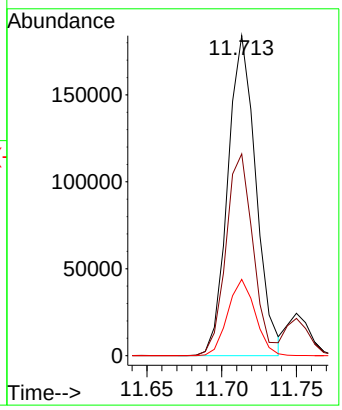




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

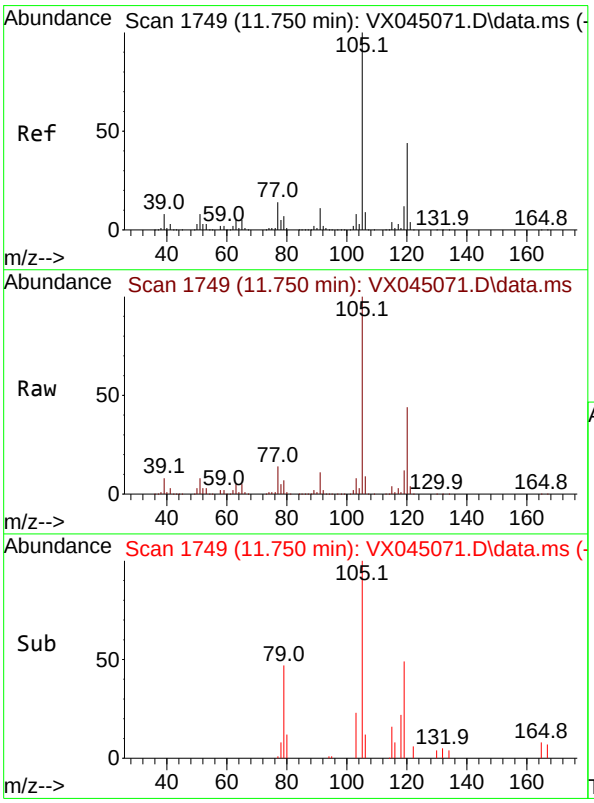
Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

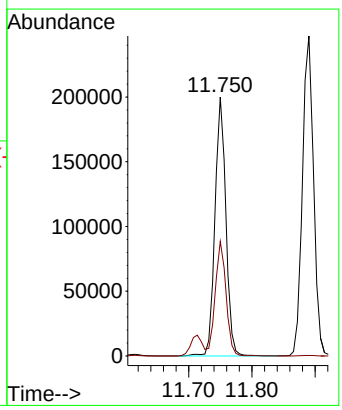
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

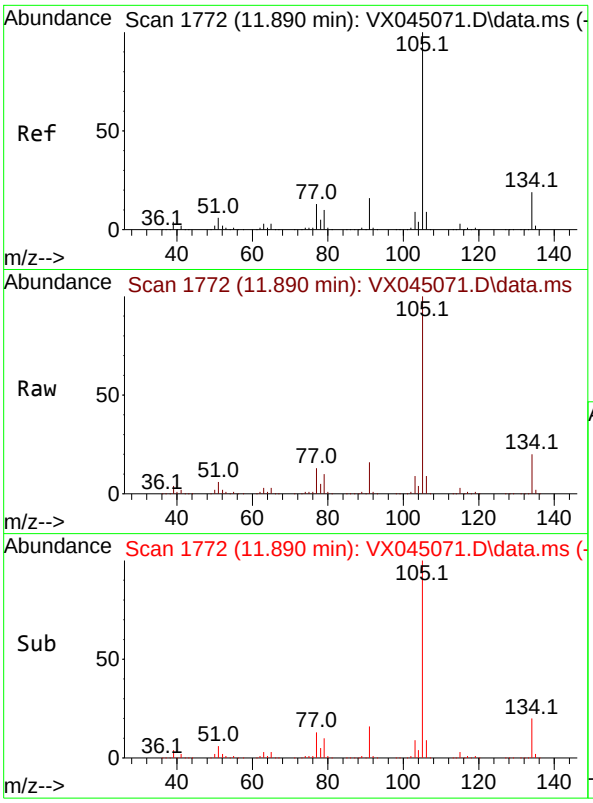


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

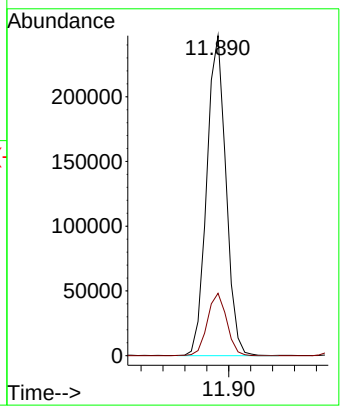




#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 30039

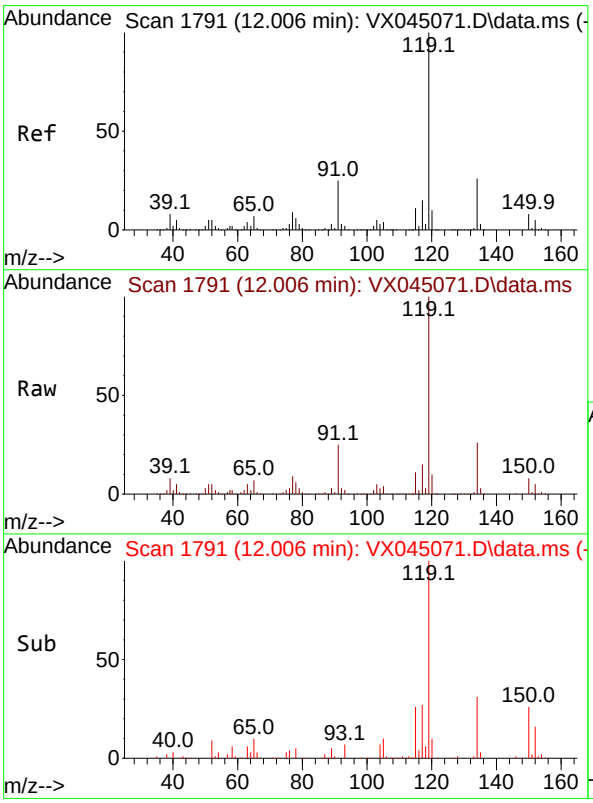
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

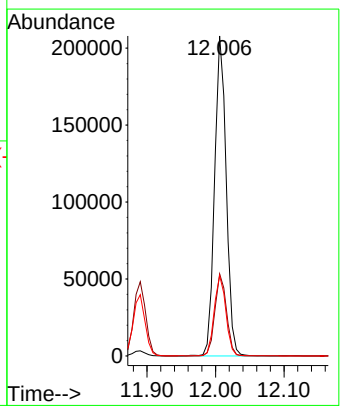
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

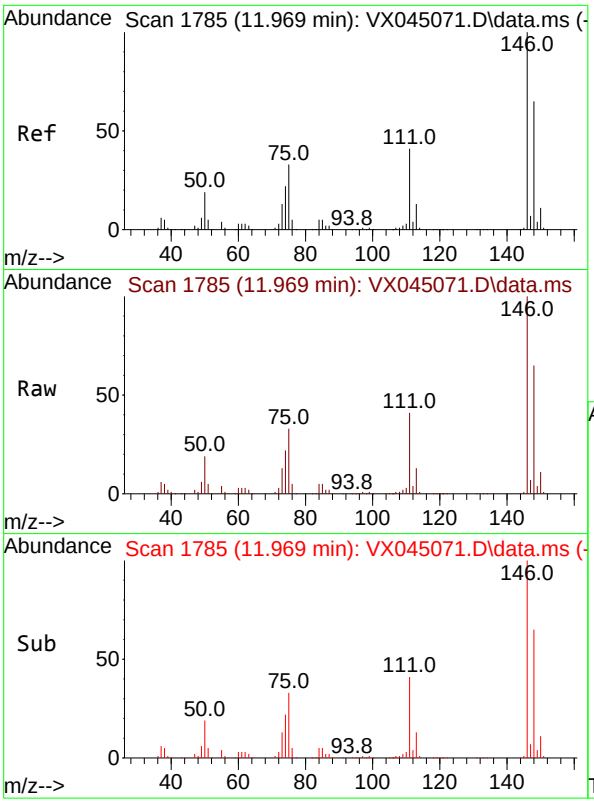


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0

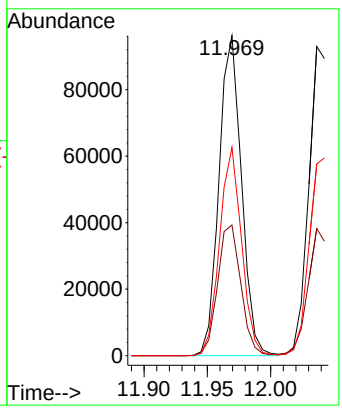




#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11887

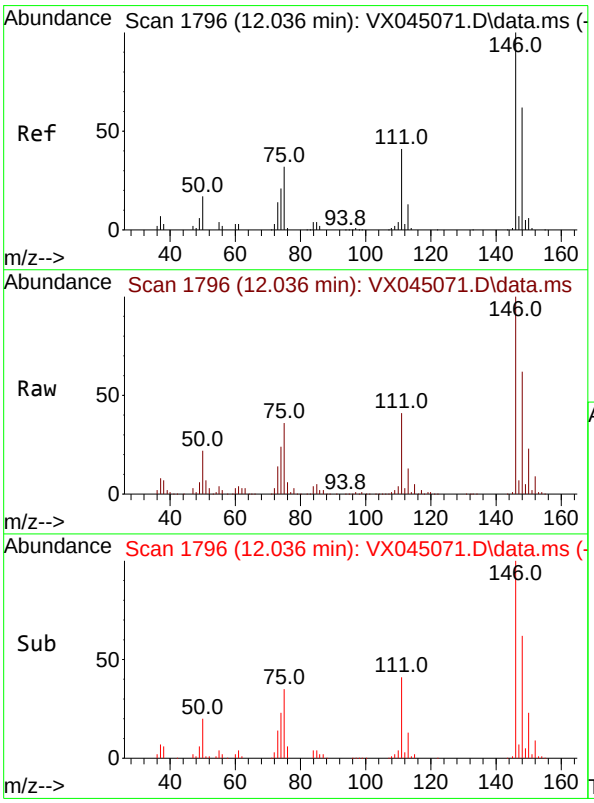
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

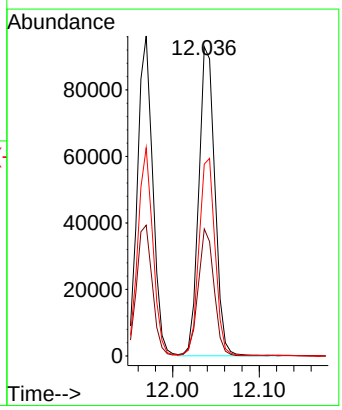
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

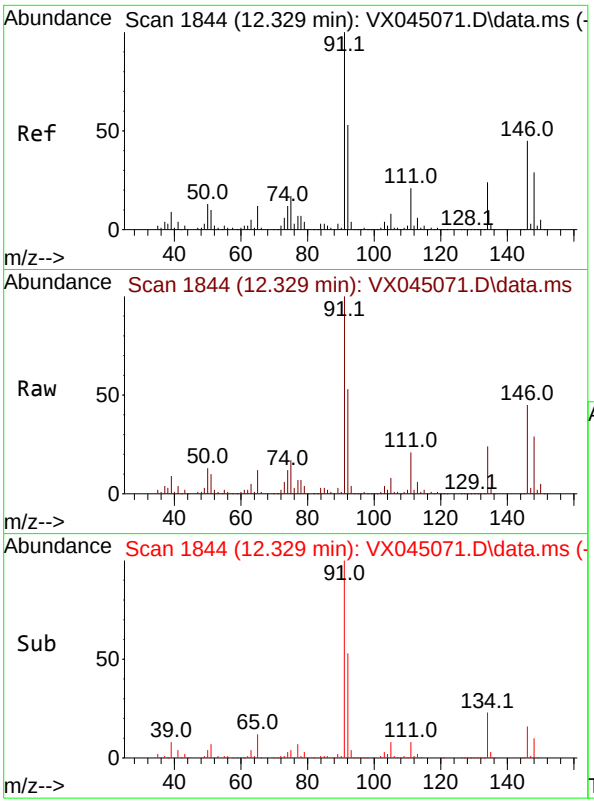


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9

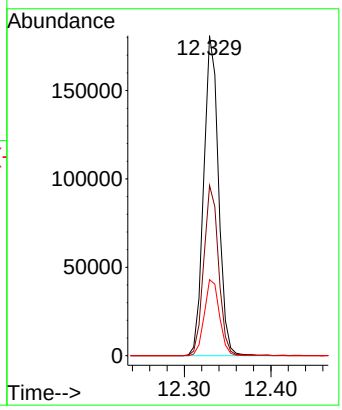




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

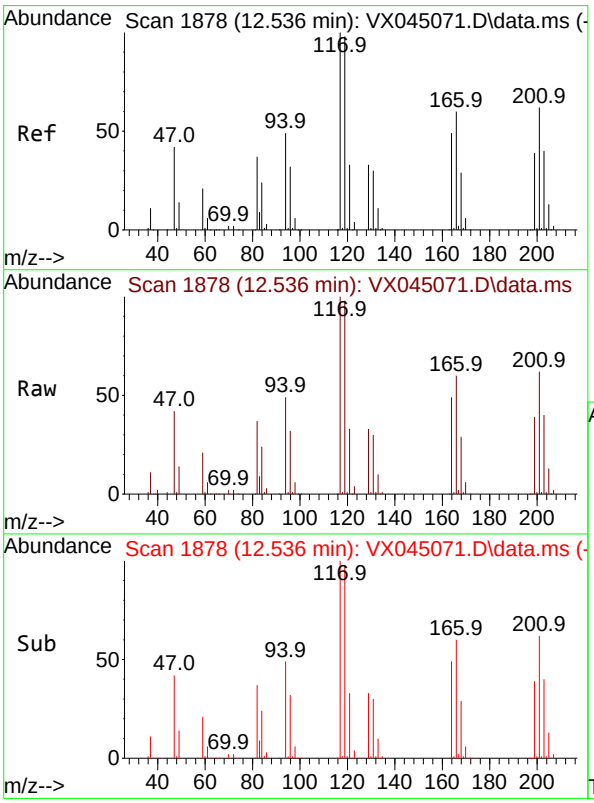
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

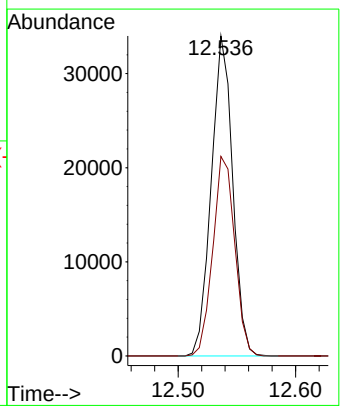
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

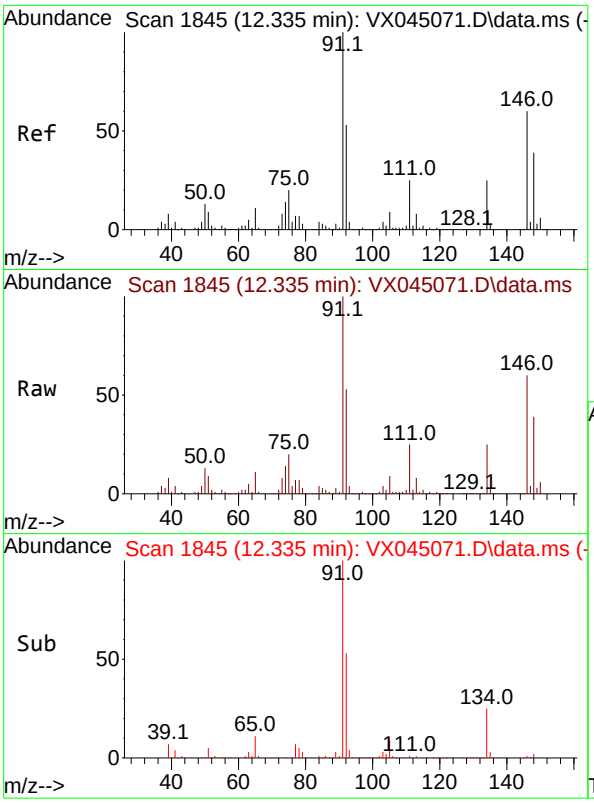


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

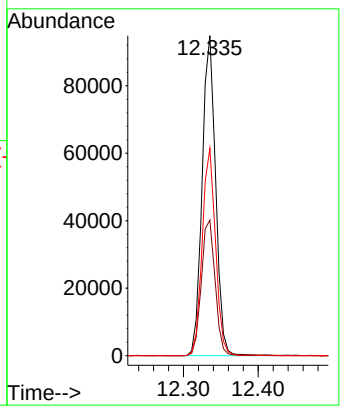




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

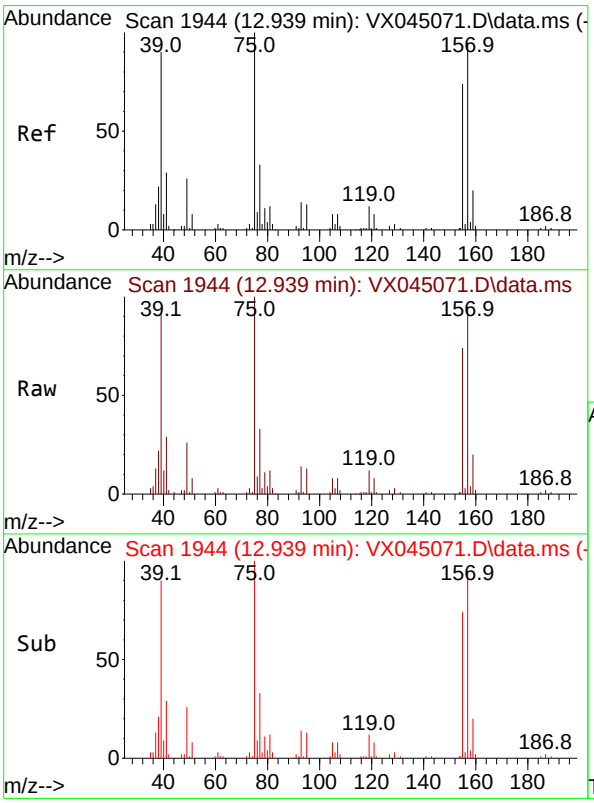
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

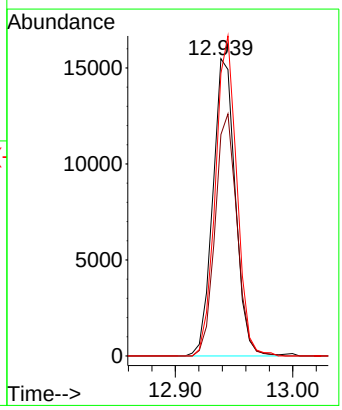
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

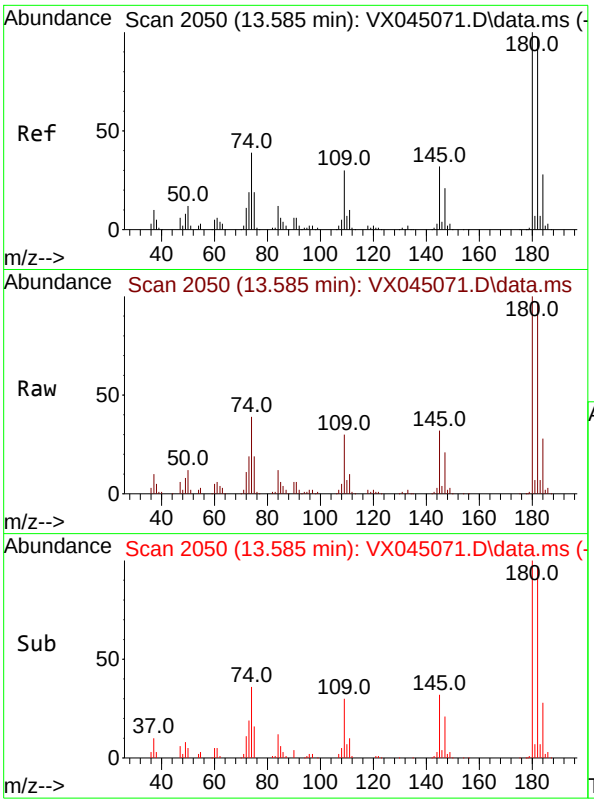


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4

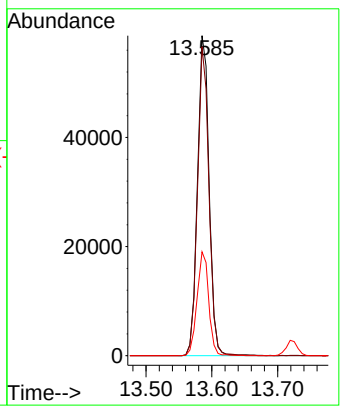




#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 7189

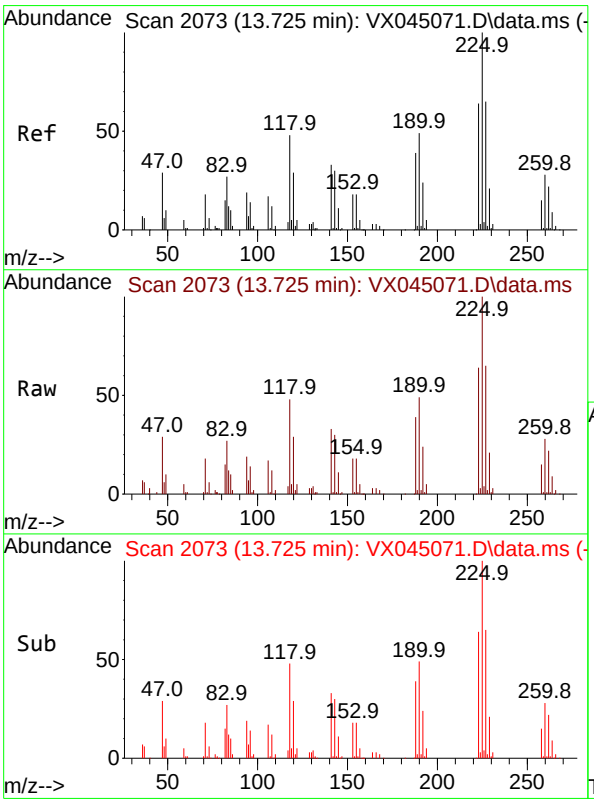
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

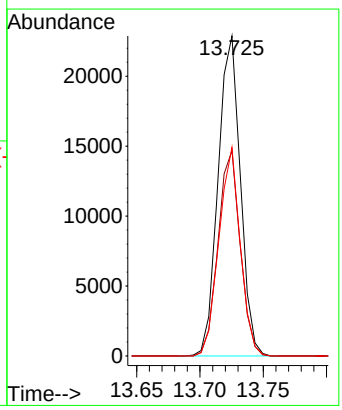
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

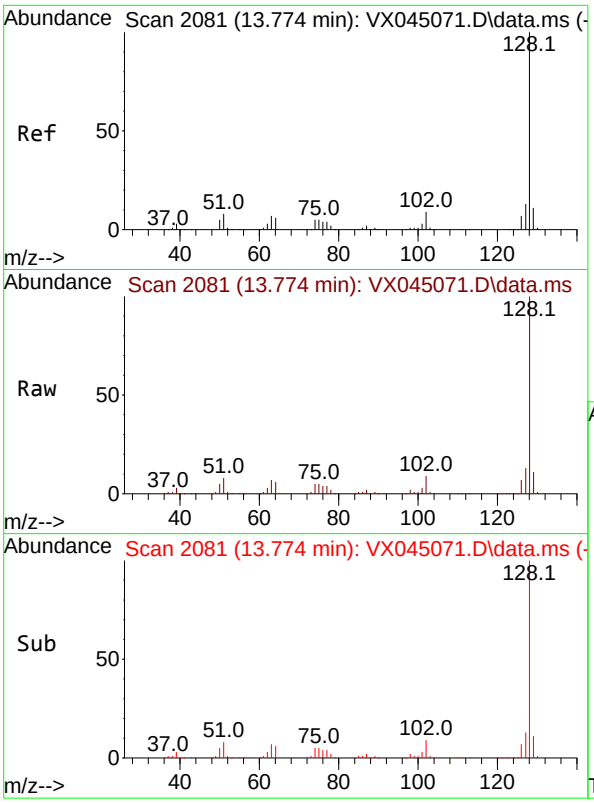


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0

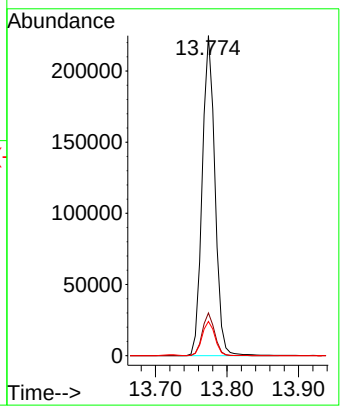




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

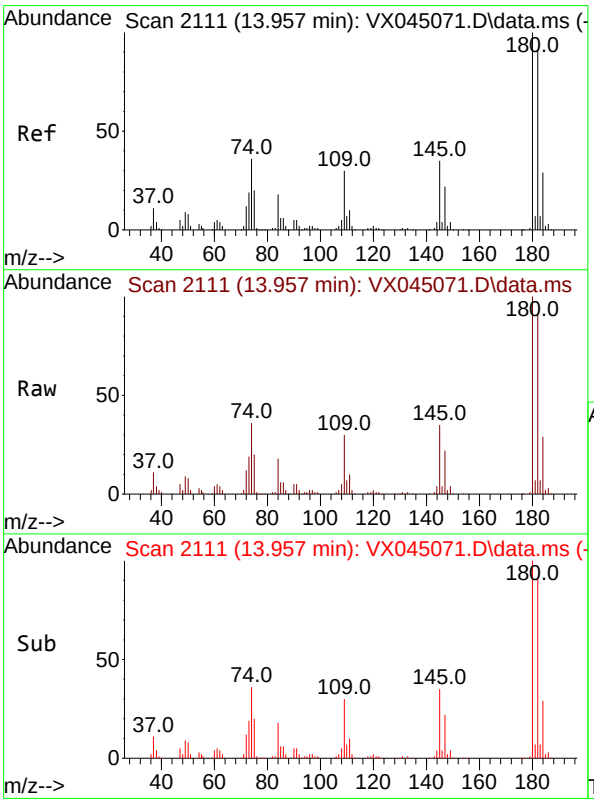
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

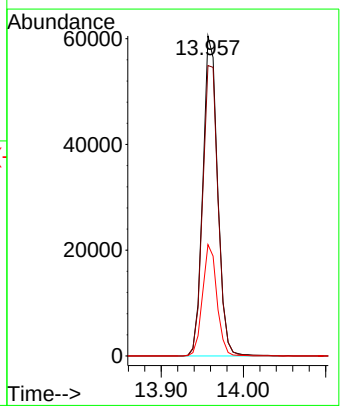
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l	99
44) Trichloroethene	7.122	130	128124	105.402 ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l	100
46) Dibromomethane	7.580	93	97248	105.329 ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l	99
52) Toluene	8.714	92	316349	100.178 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l	99
69) o-Xylene	10.640	106	213835	100.849 ug/l	99
70) Styrene	10.652	104	357649	104.948 ug/l	99
71) Bromoform	10.799	173	90800	116.751 ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395 ug/l	
77) Bromobenzene	11.195	156	125700	99.175 ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l	99
95) Naphthalene	13.774	128	565250	112.593 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 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

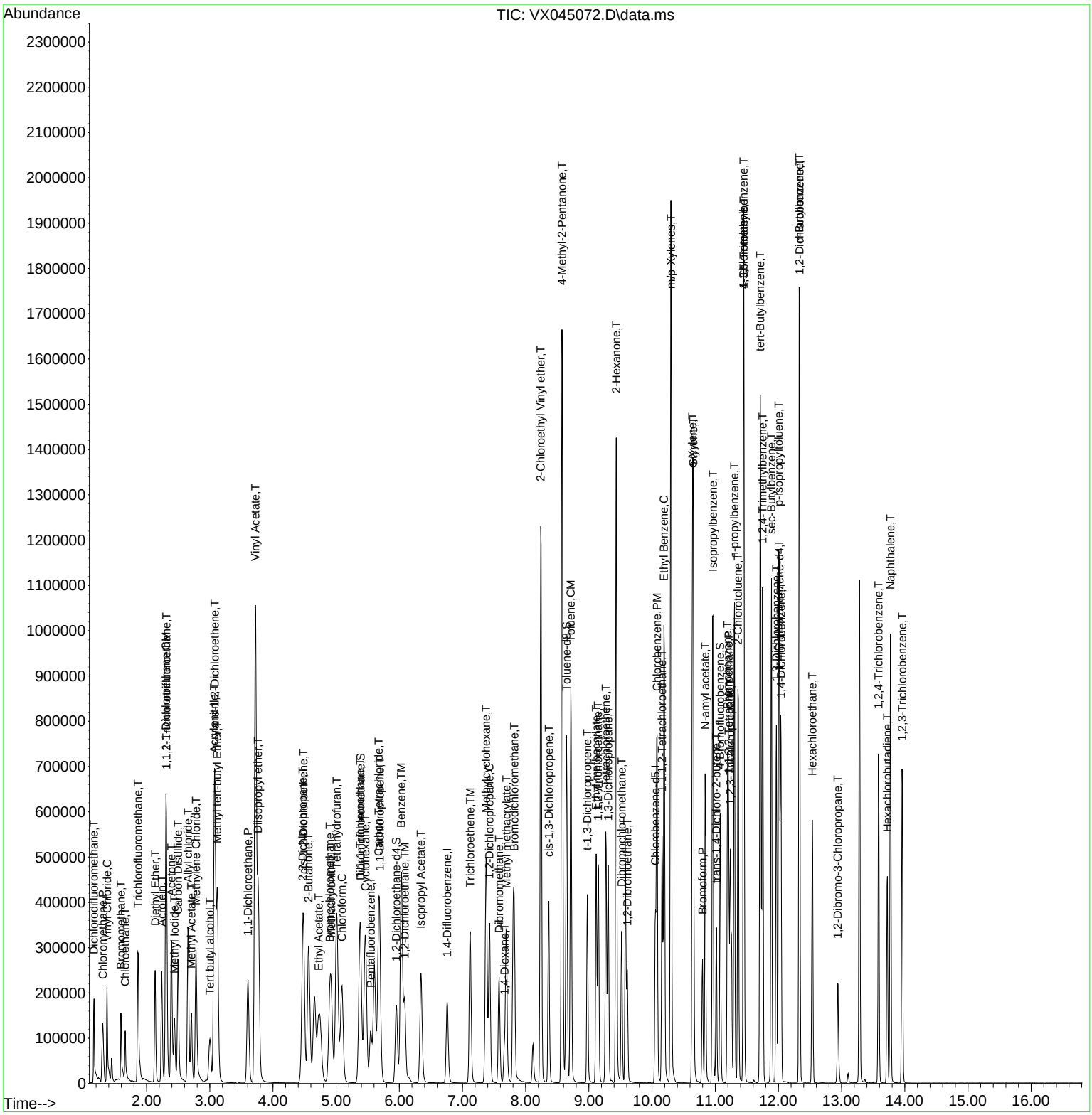
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Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

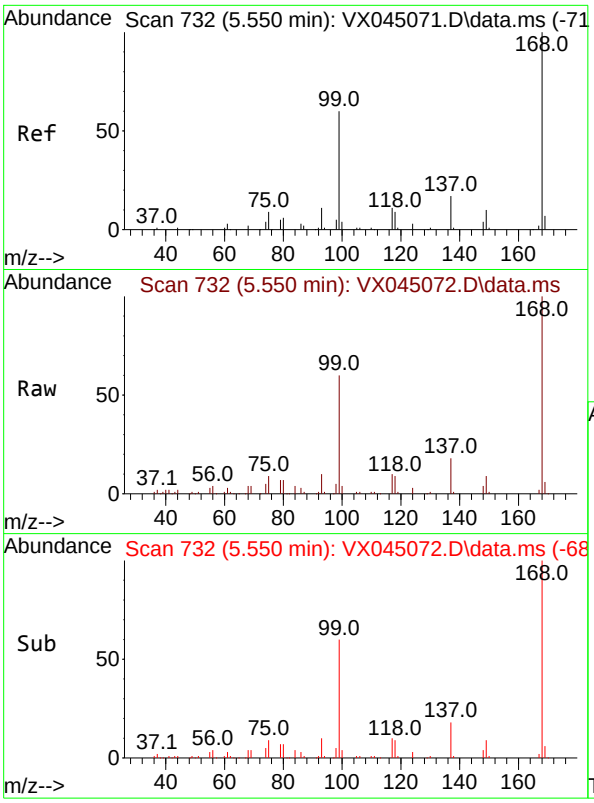
Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

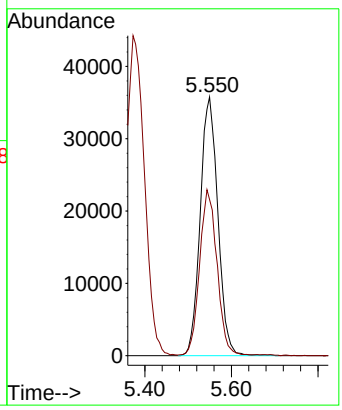




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

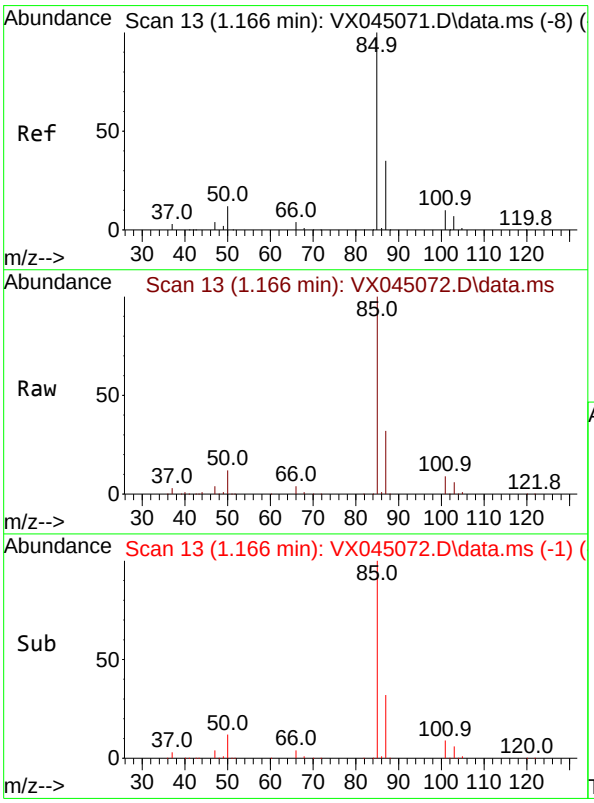
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

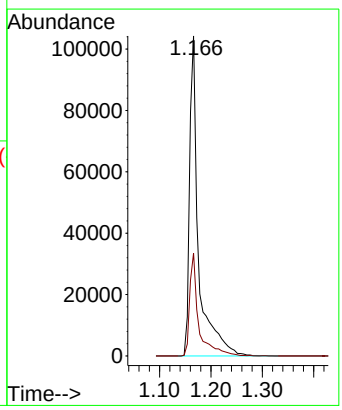
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

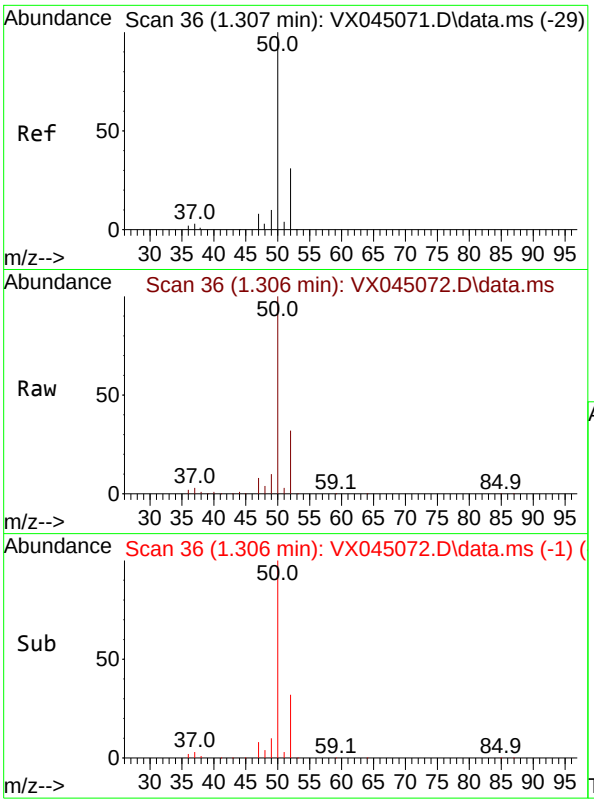


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3





#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

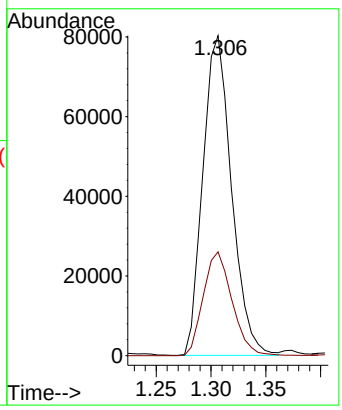
Tgt Ion: 50 Resp: 14582

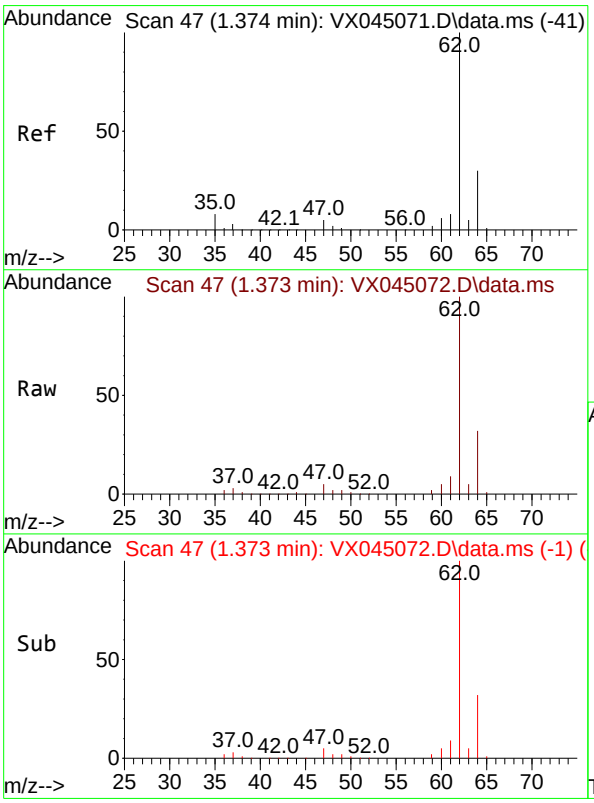
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

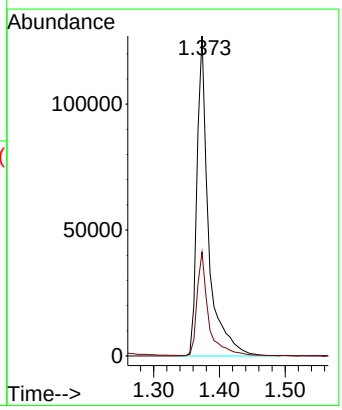


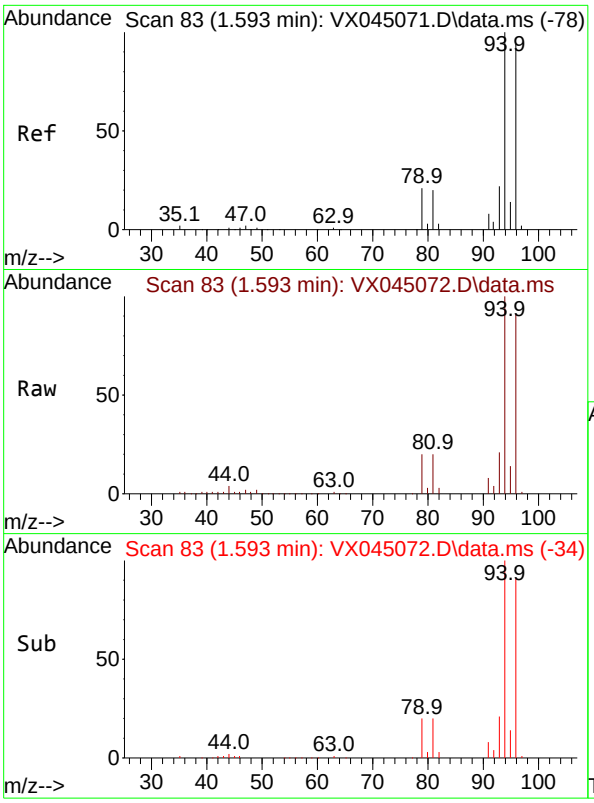


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

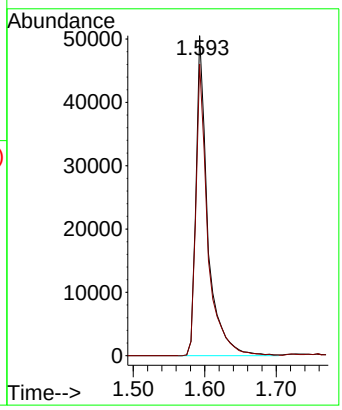




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

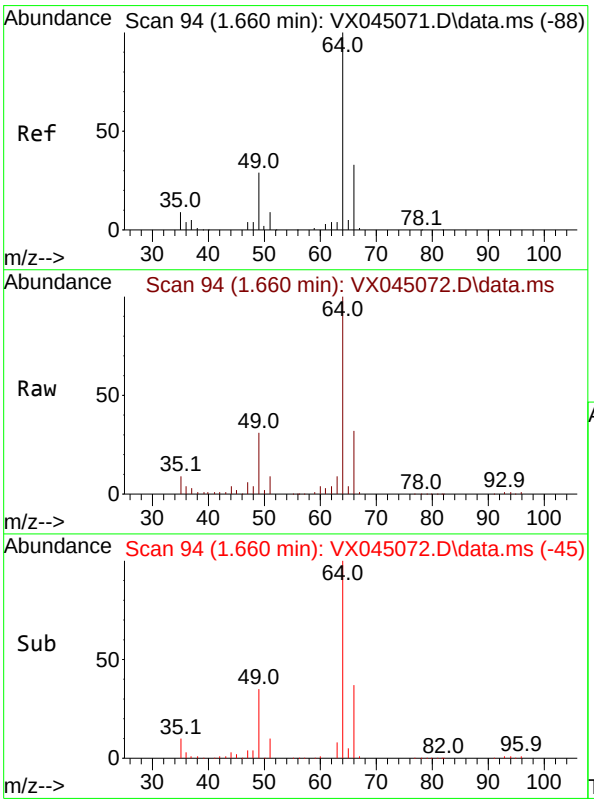
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

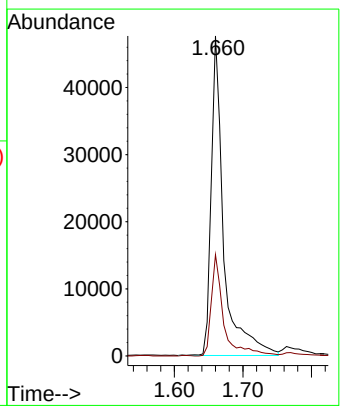
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

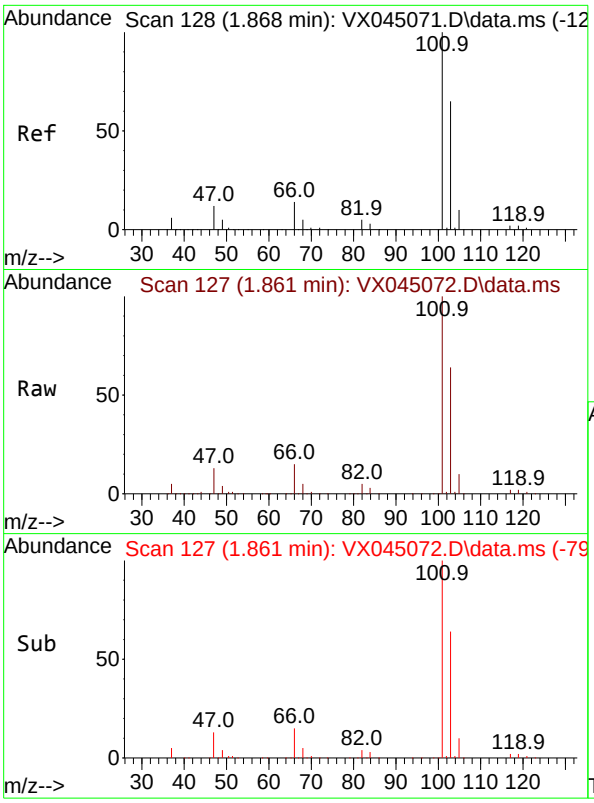


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1

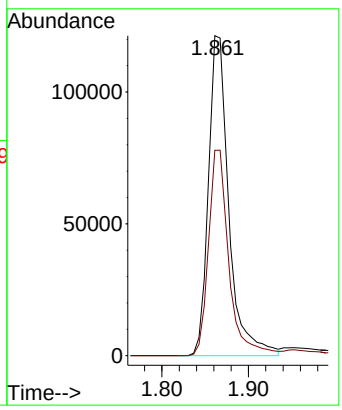




#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:101 Resp: 19870

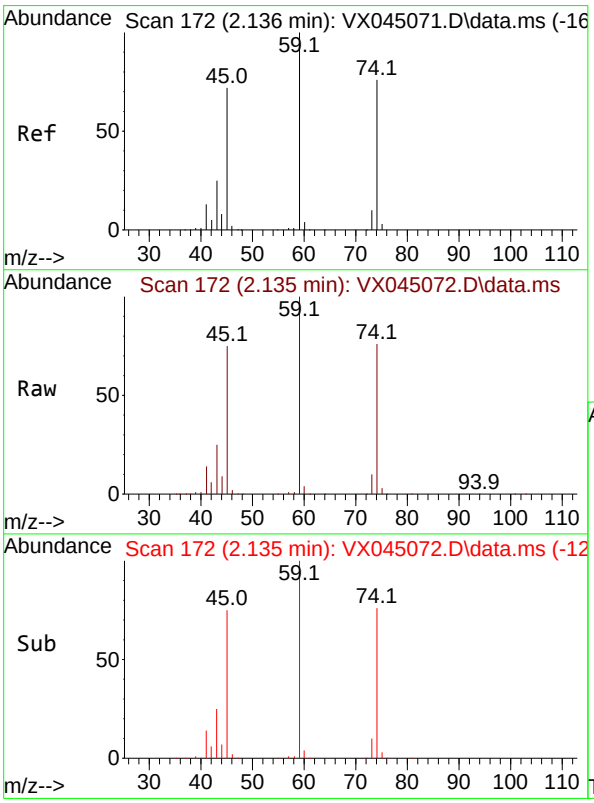
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

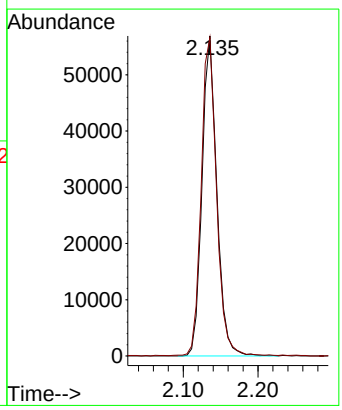
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

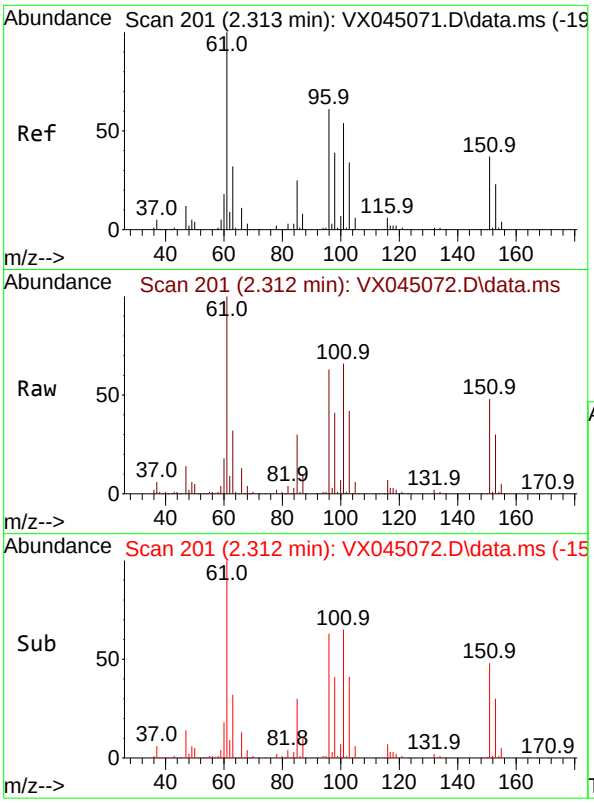


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

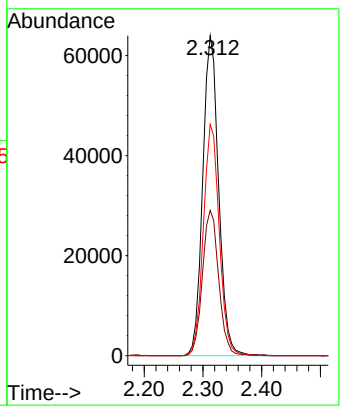
Tgt Ion:101 Resp: 12051

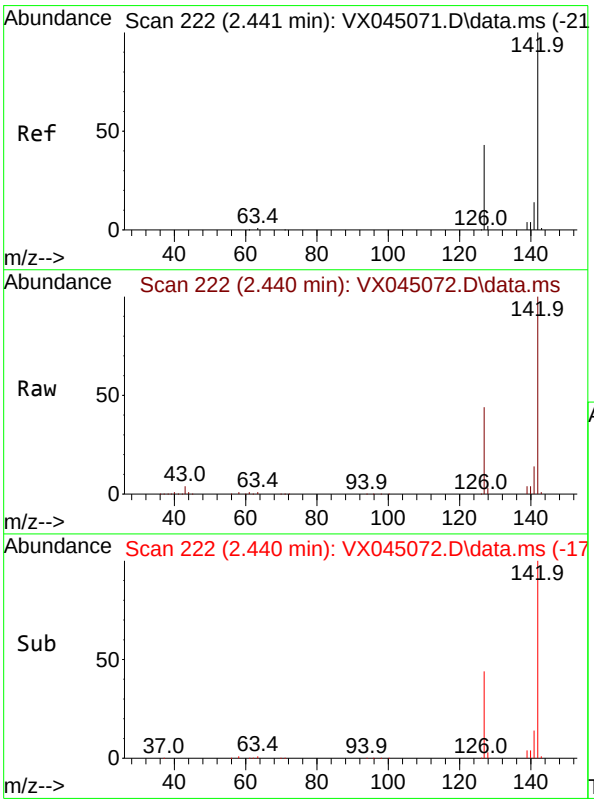
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

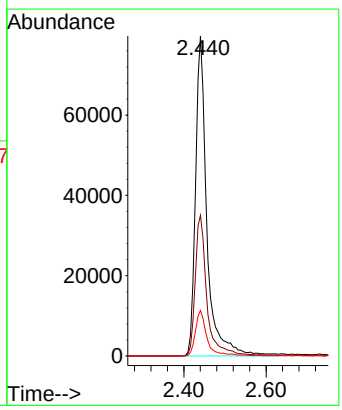


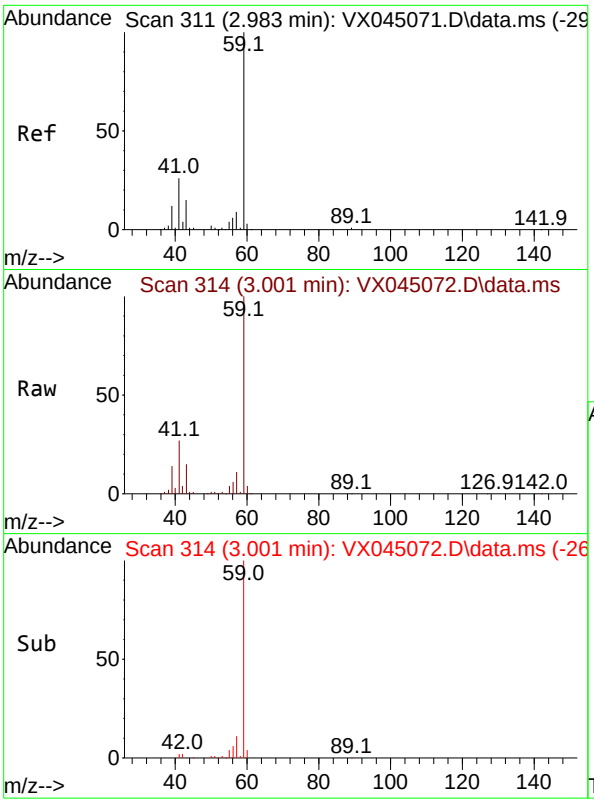


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4

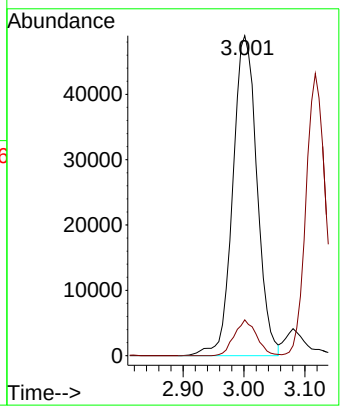




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

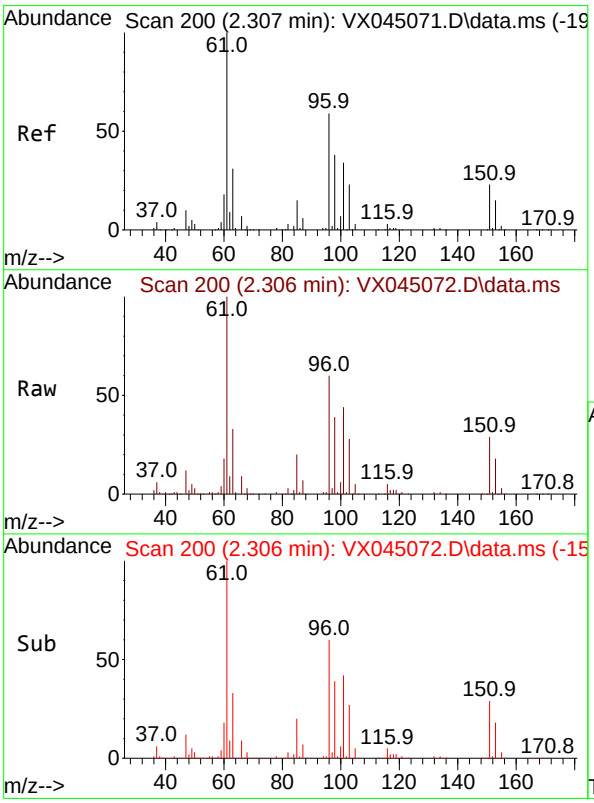
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

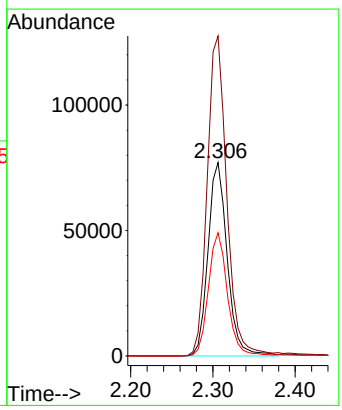
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

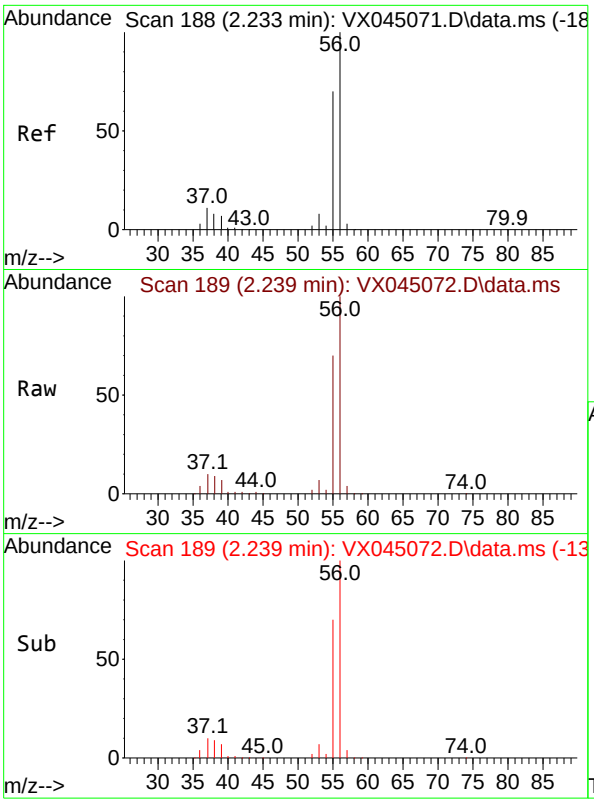


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6

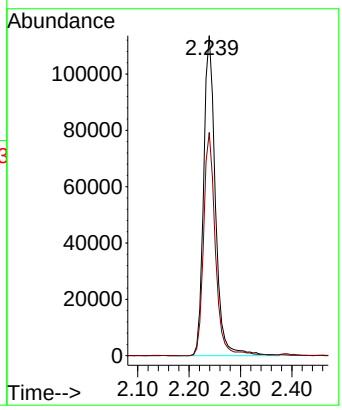




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

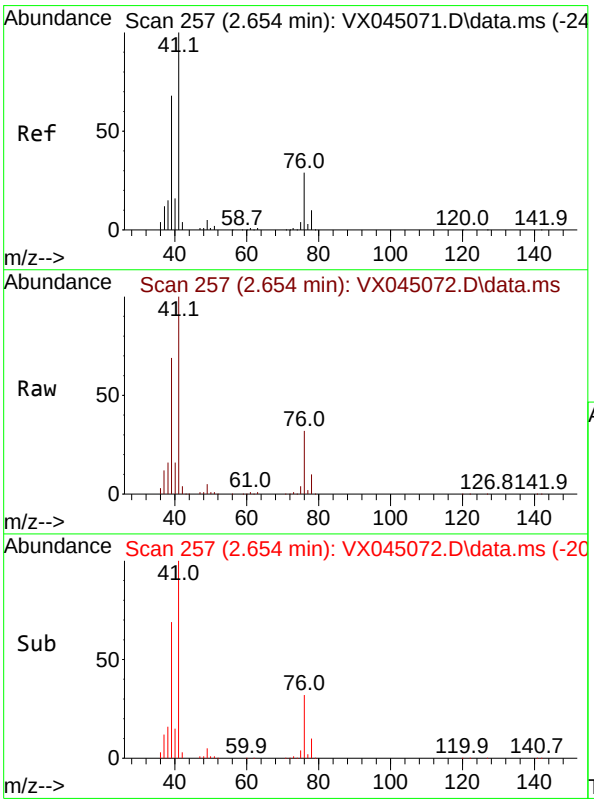
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

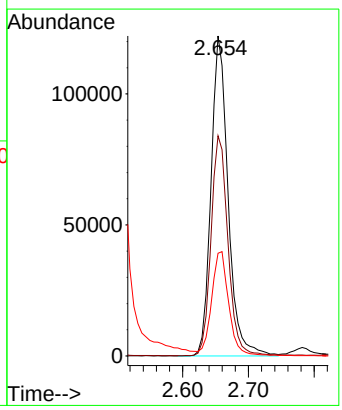
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

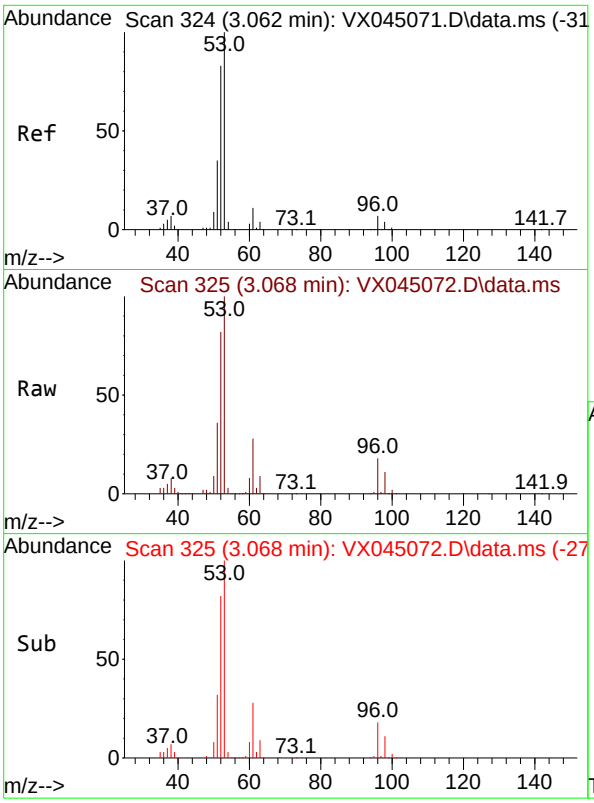


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8

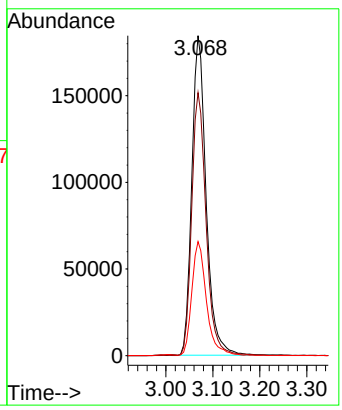




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

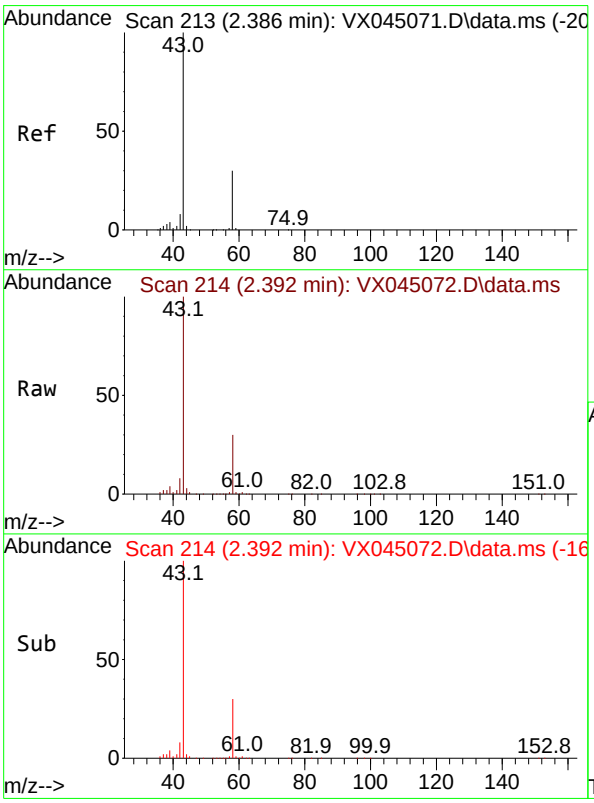
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

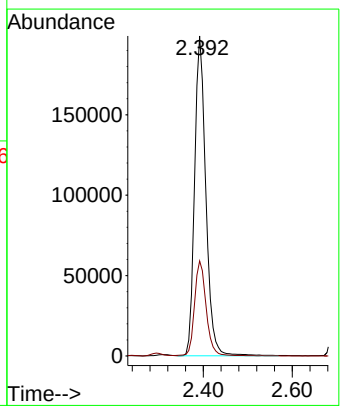
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

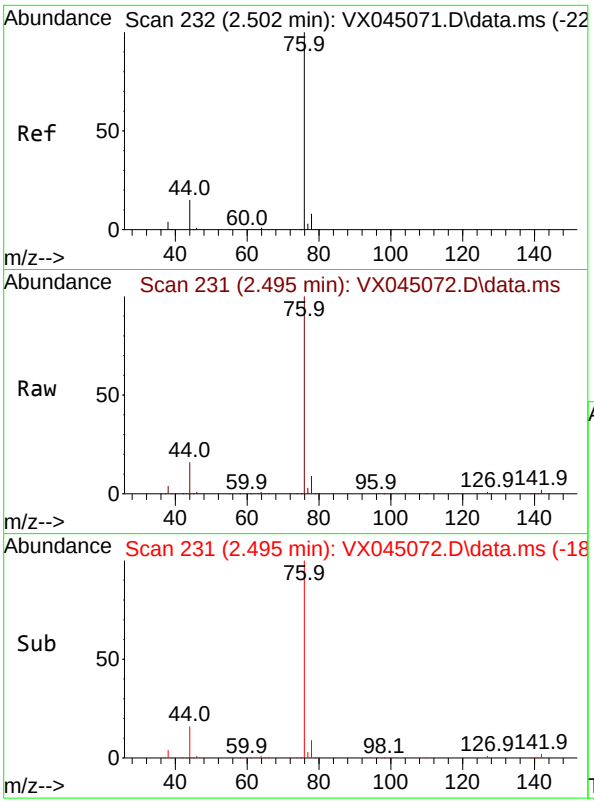


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4

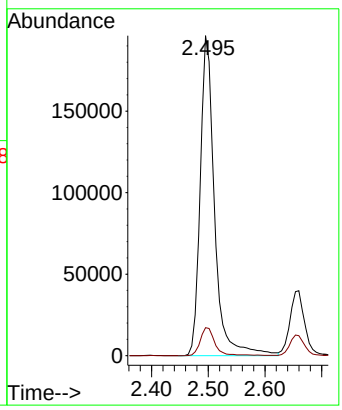




#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 34557

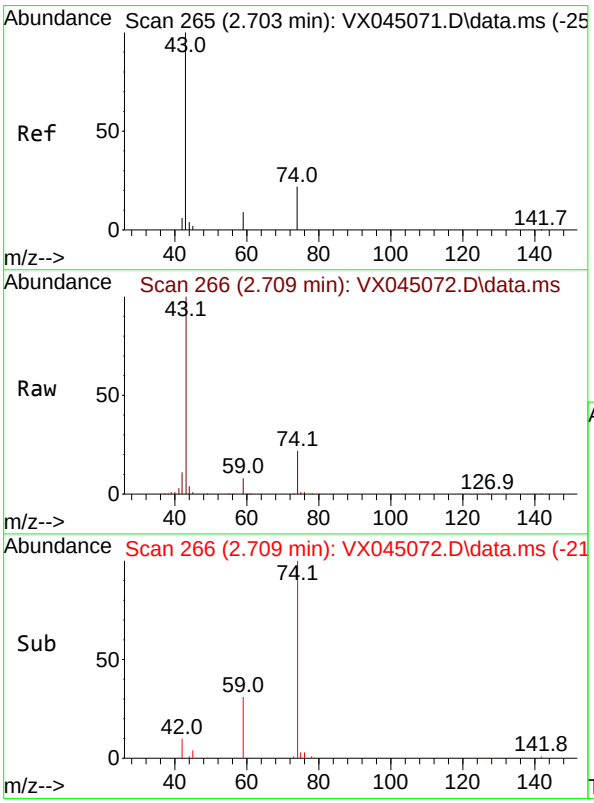
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

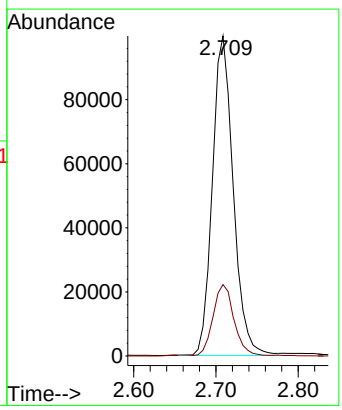
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

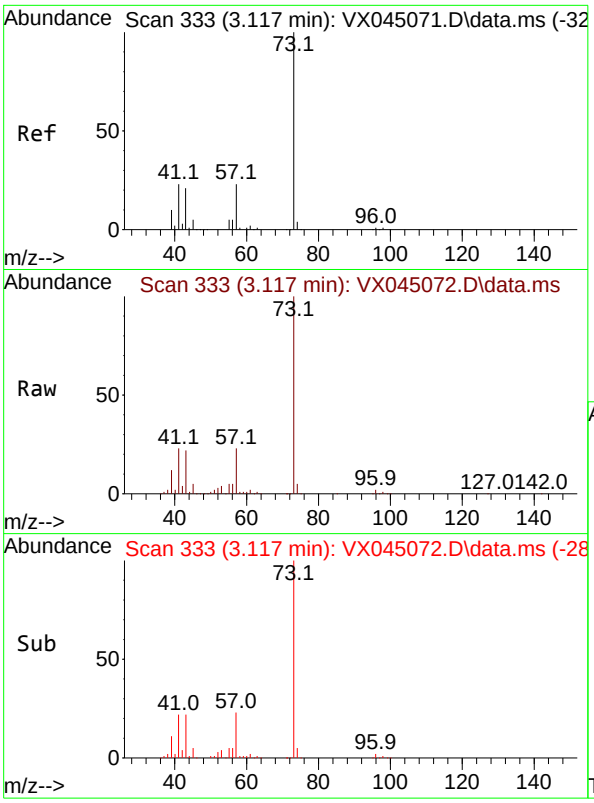


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

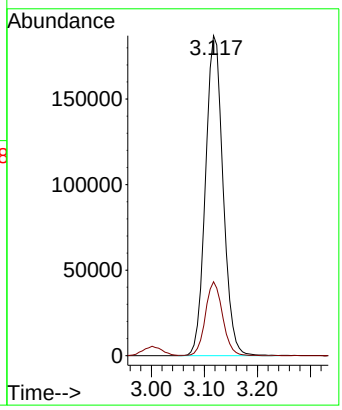




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

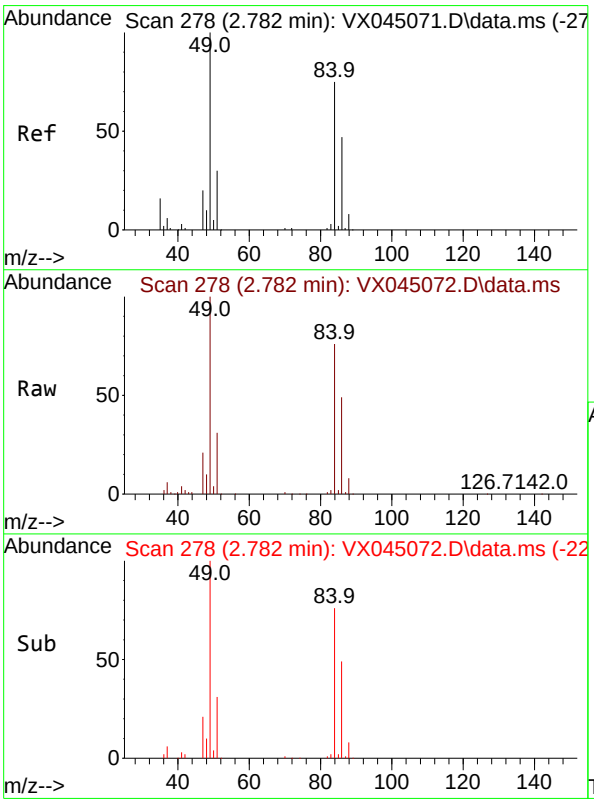
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

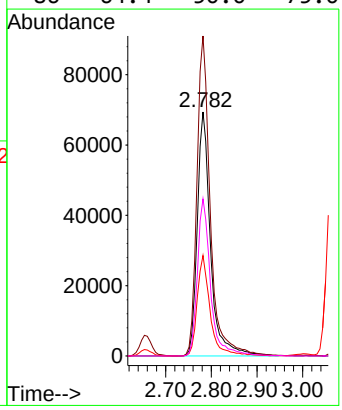
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

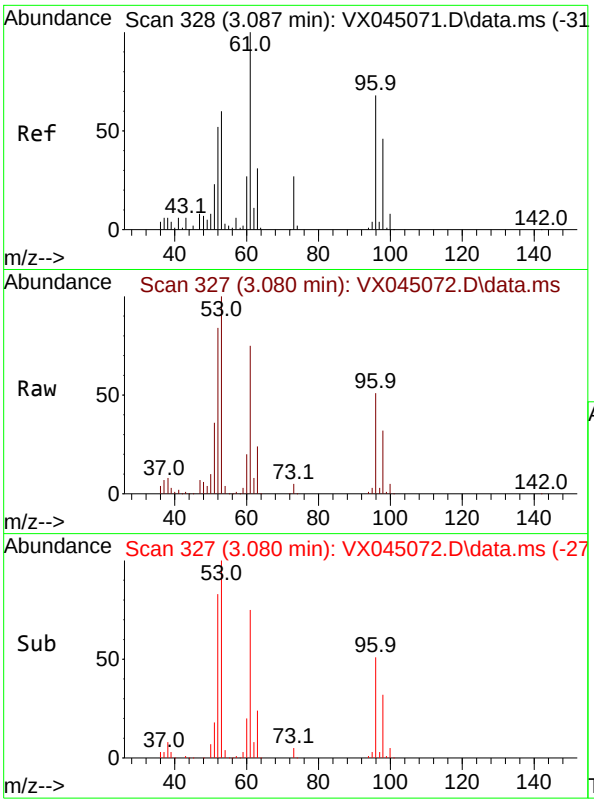


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0

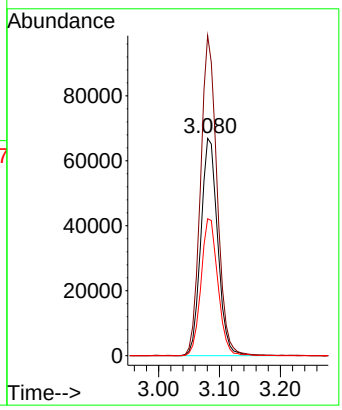




#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 12823

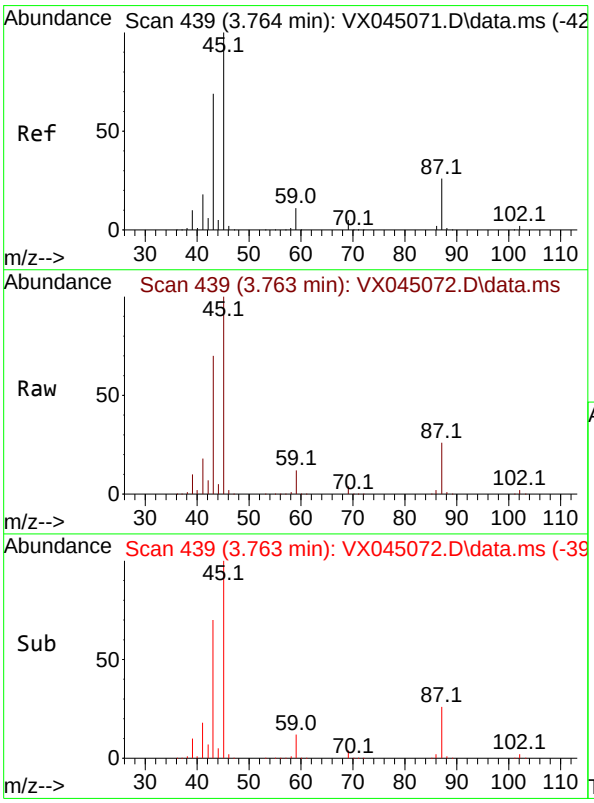
Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

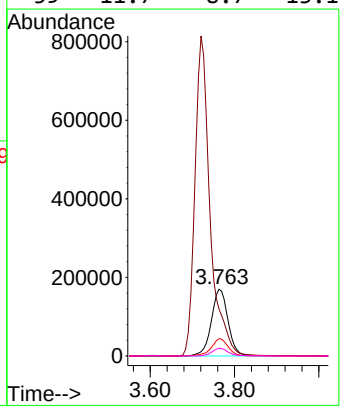
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

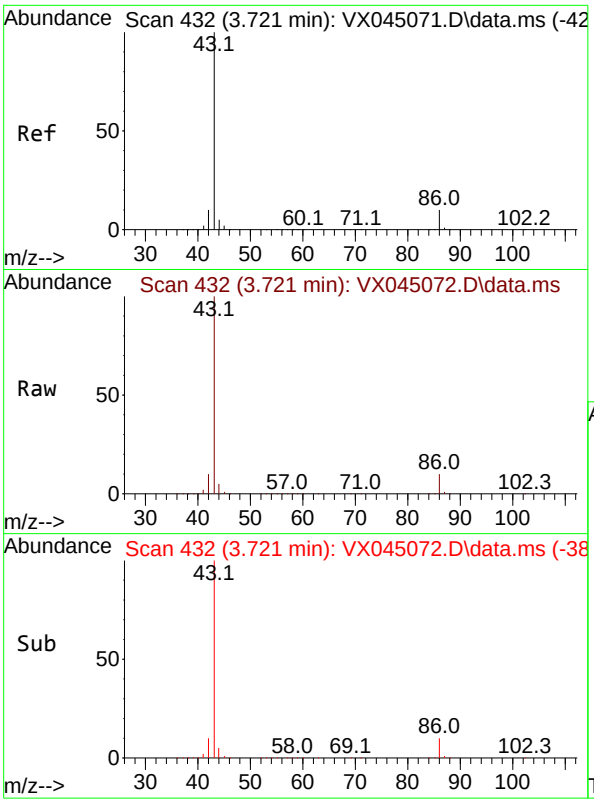


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1

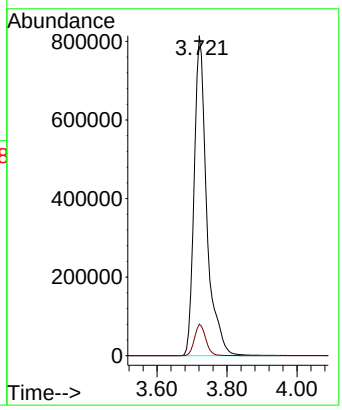




#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 203588

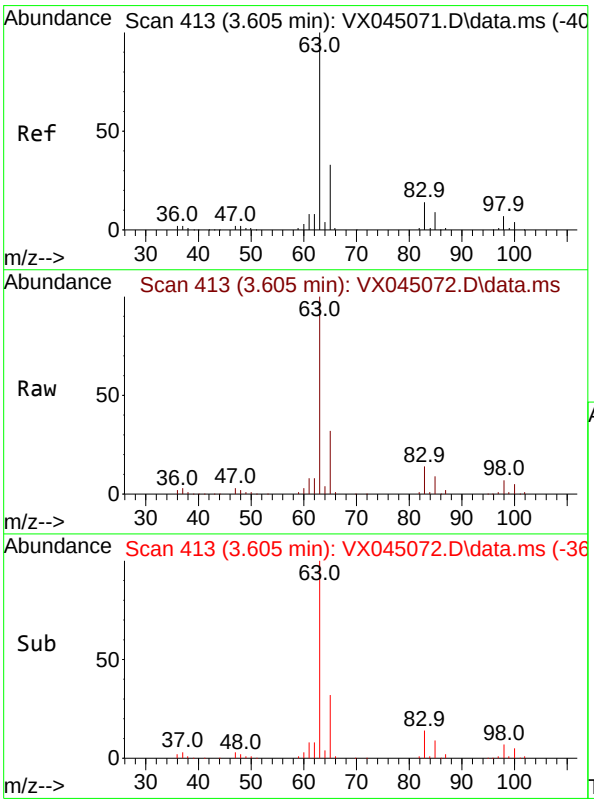
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

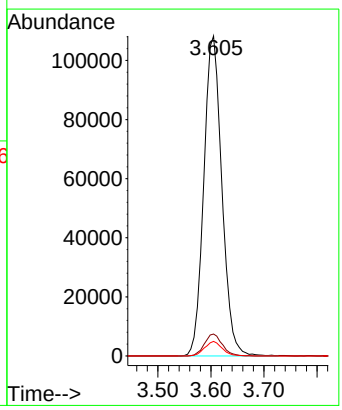
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

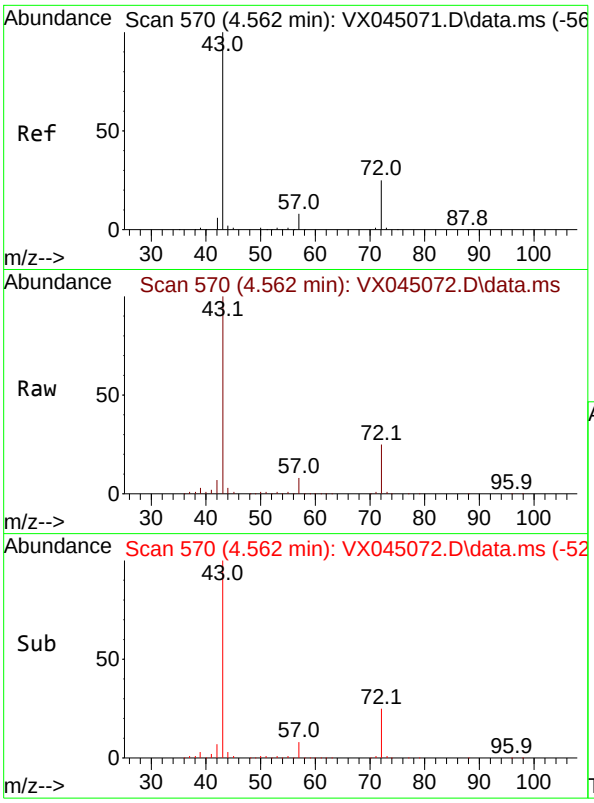


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5

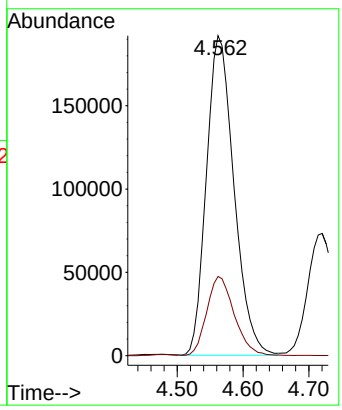




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

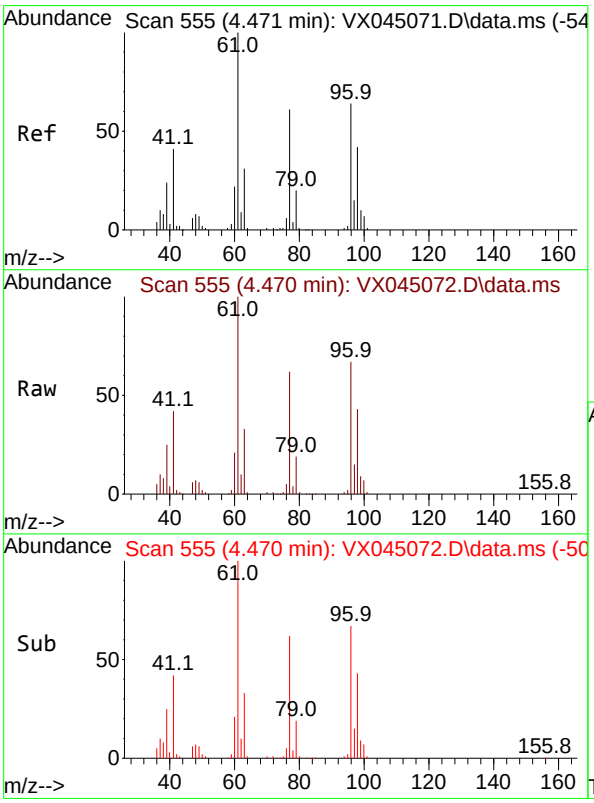
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

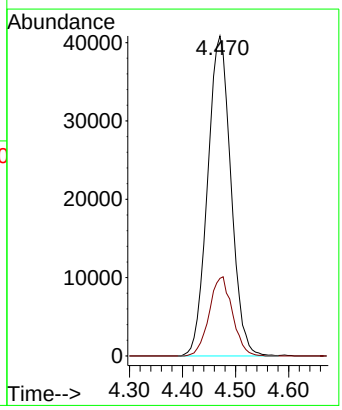
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

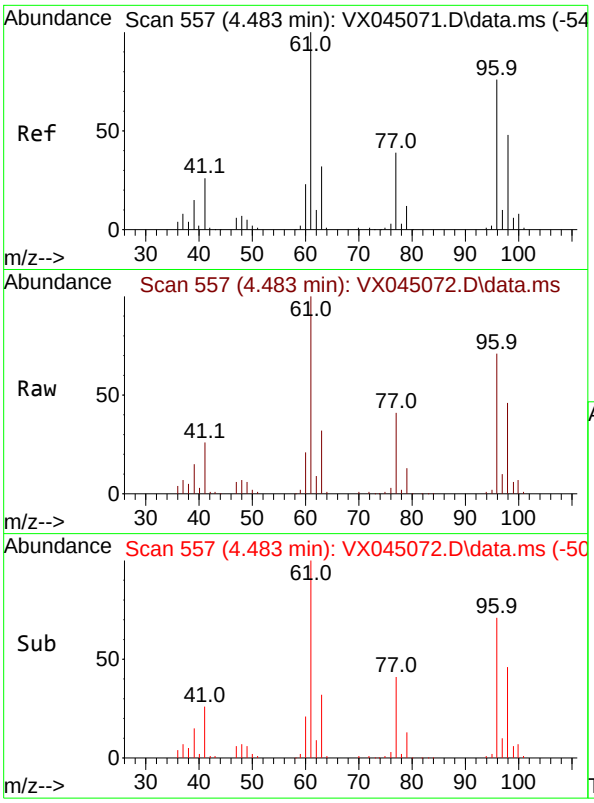


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0

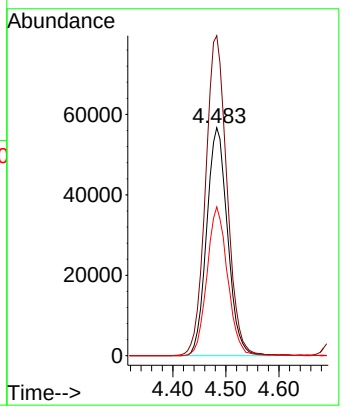




#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 15519

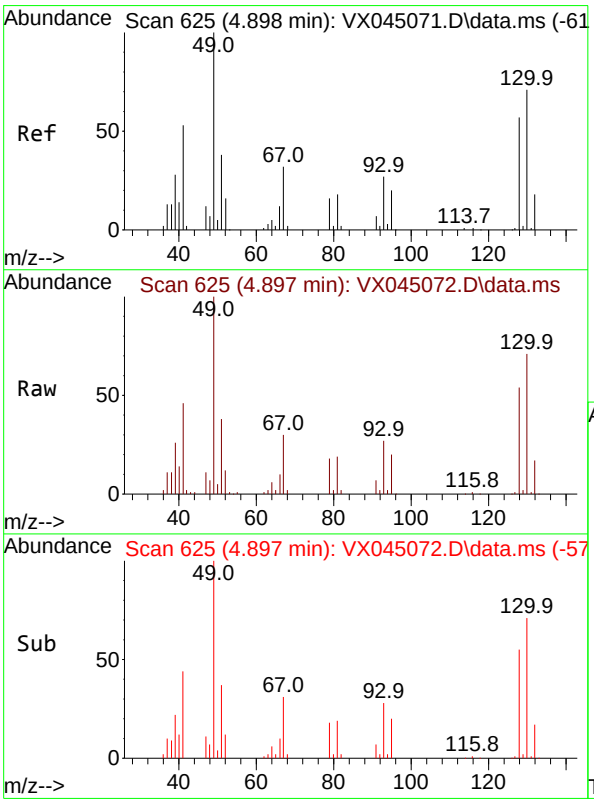
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

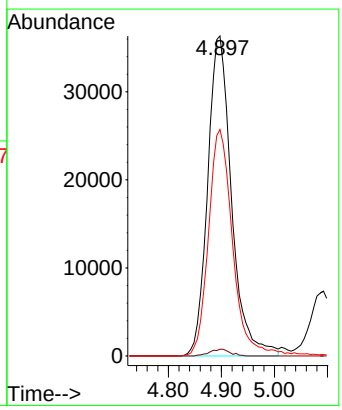
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

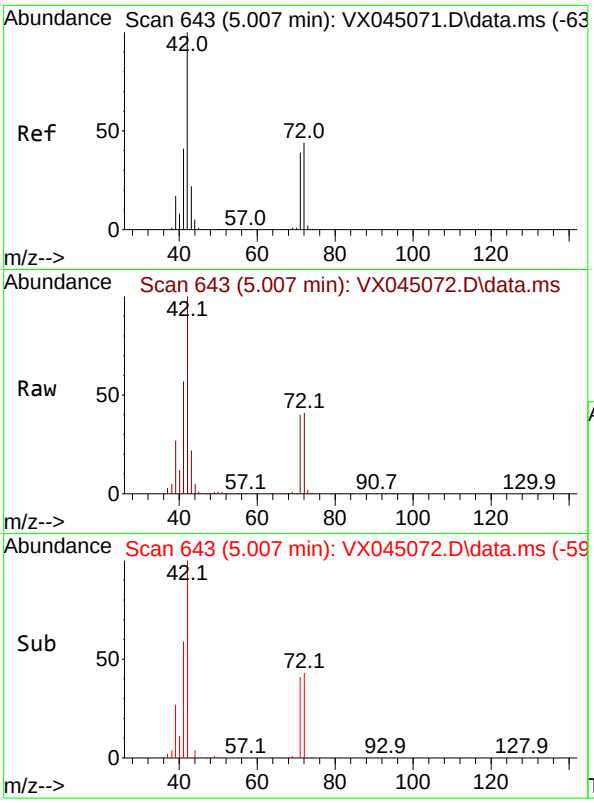


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1

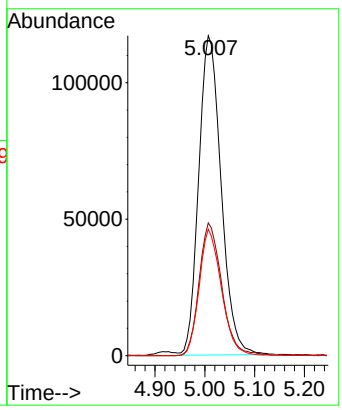




#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 42 Resp: 36556

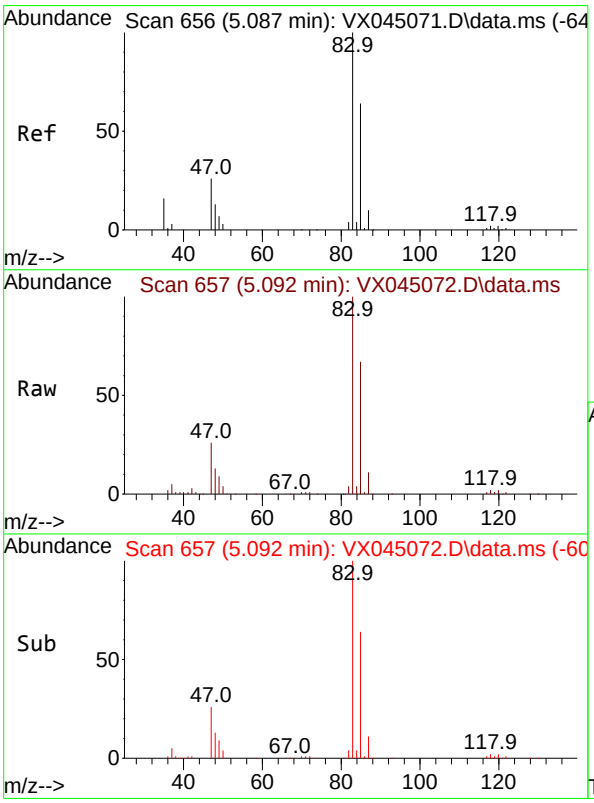
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

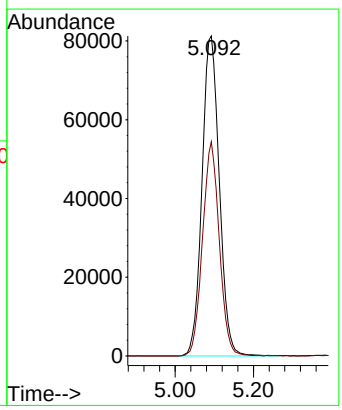
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

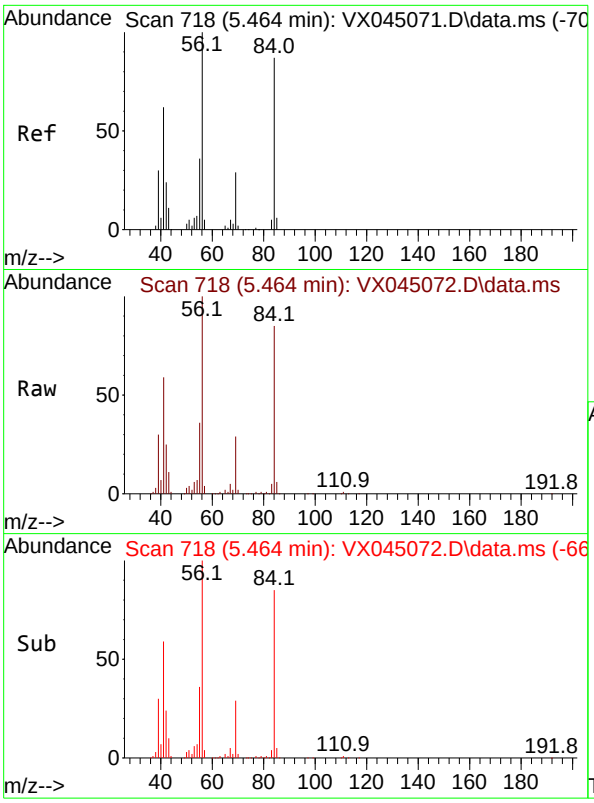


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

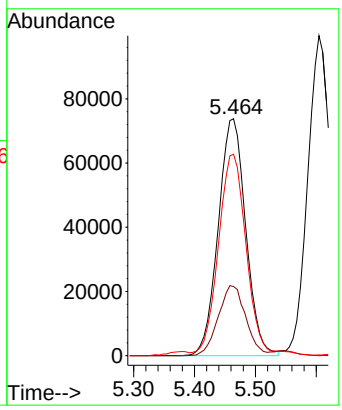




#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 23108

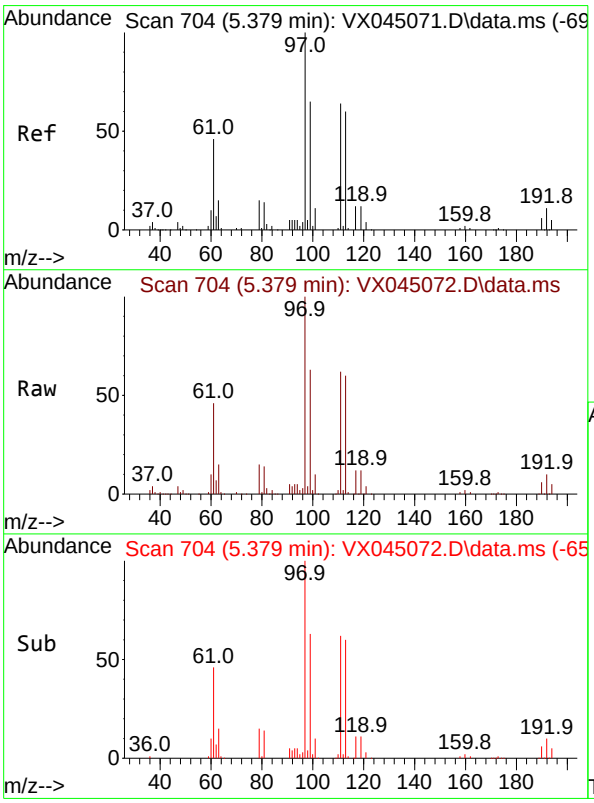
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

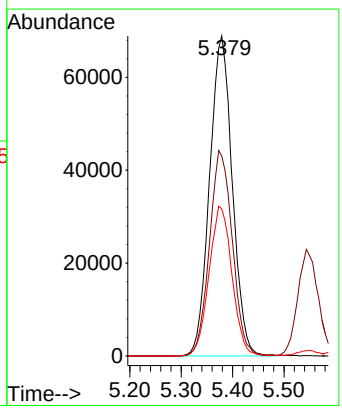
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

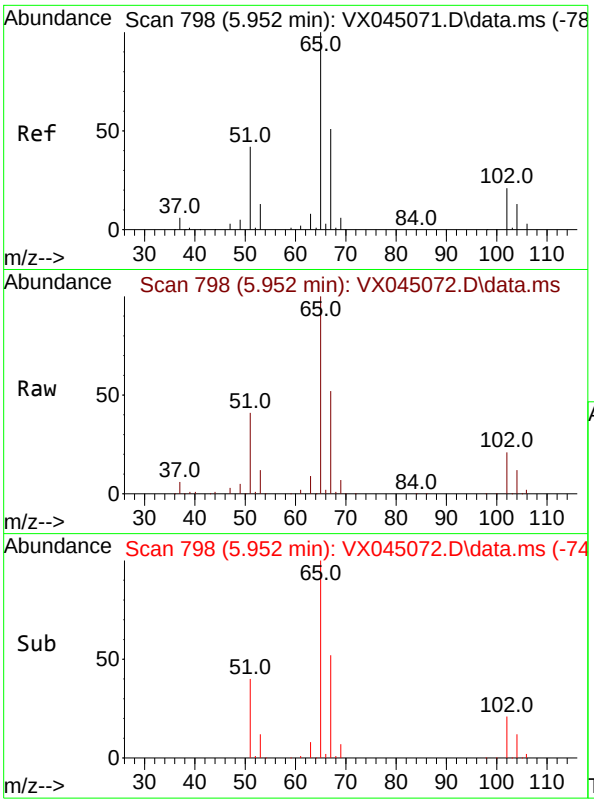


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6

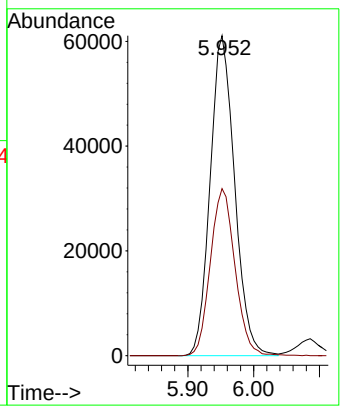




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

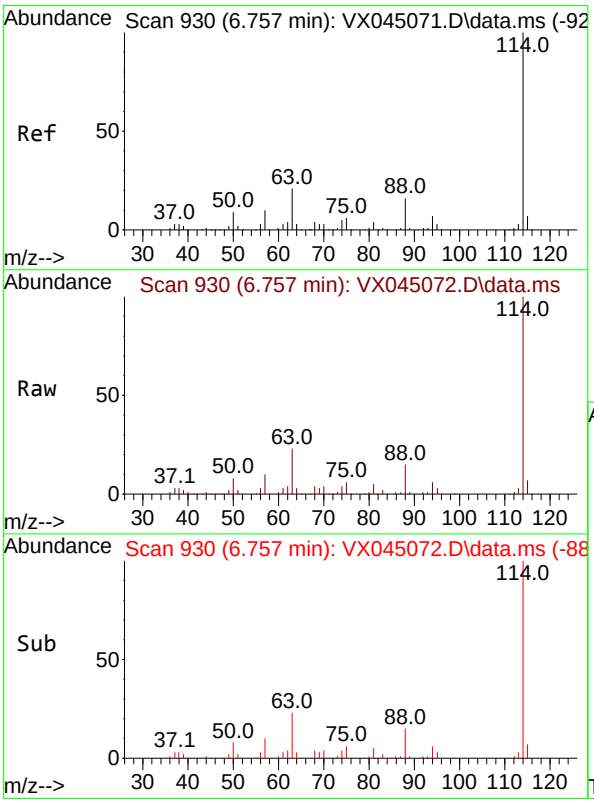
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

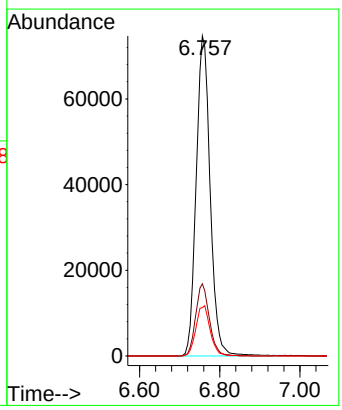
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

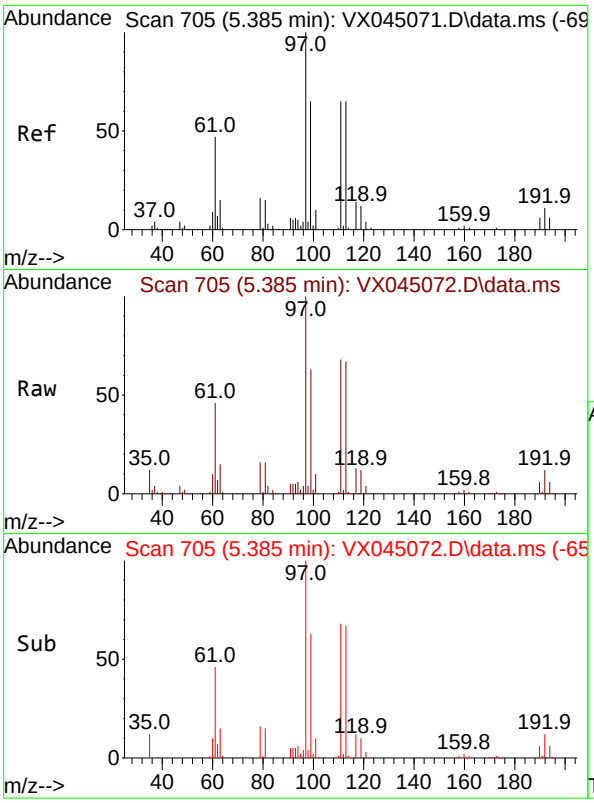


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8

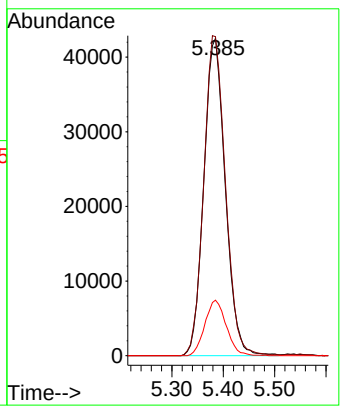




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

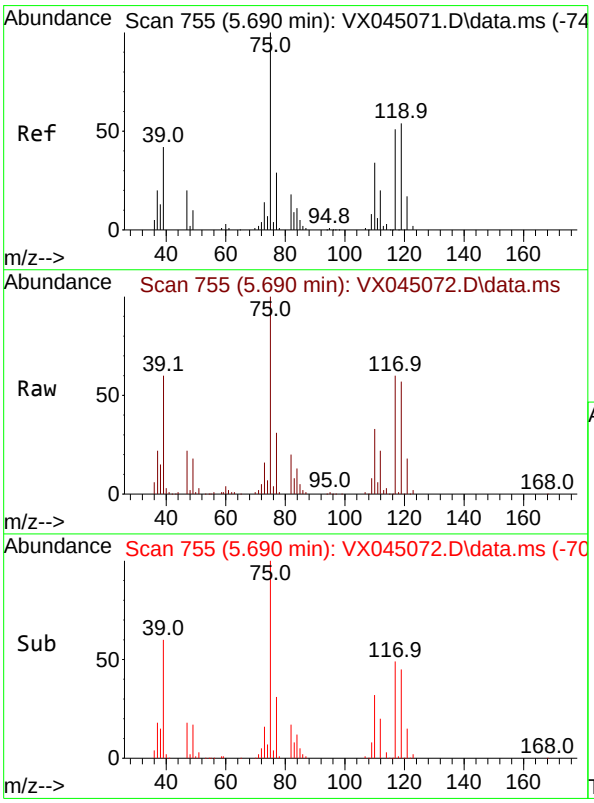
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

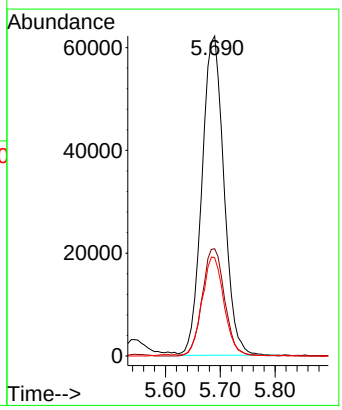
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

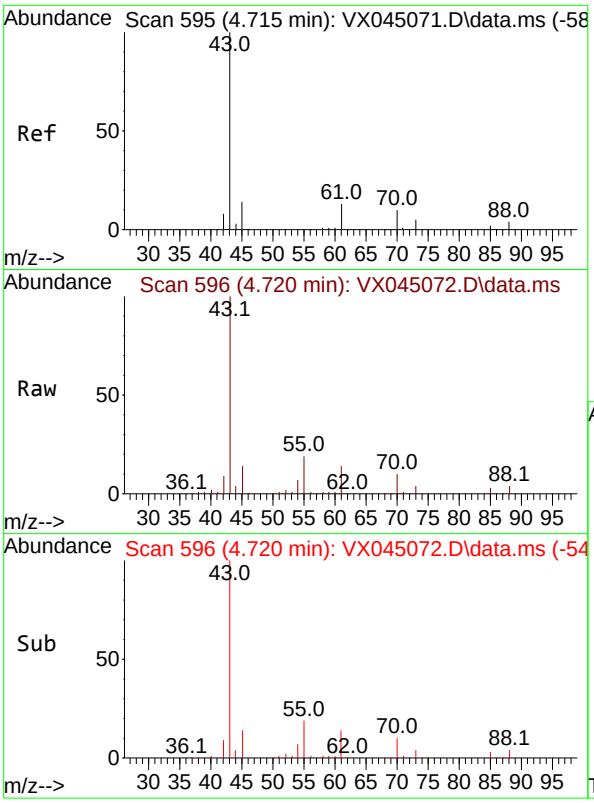


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7

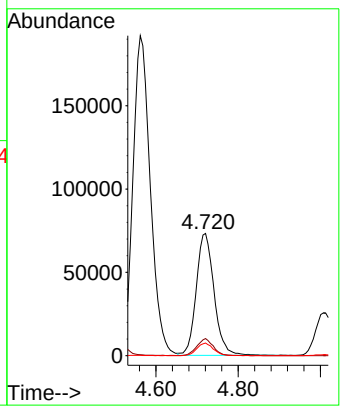




#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 22032

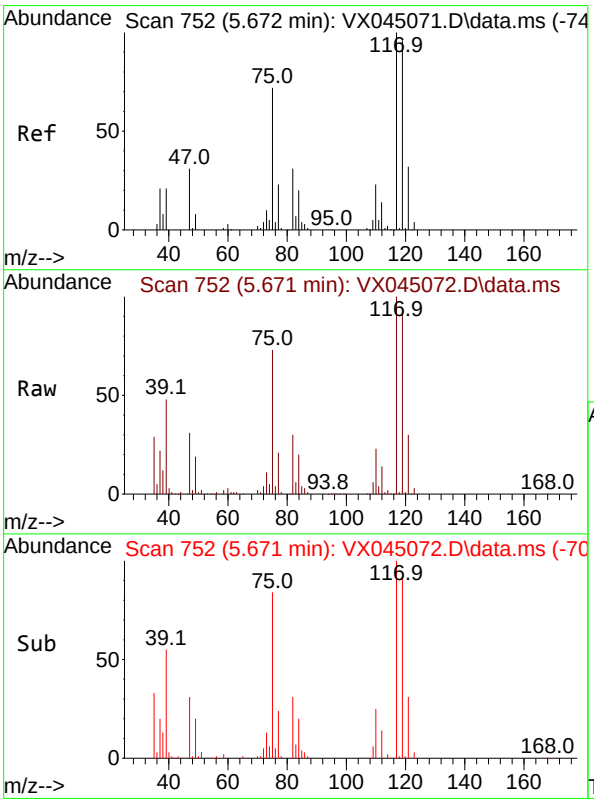
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

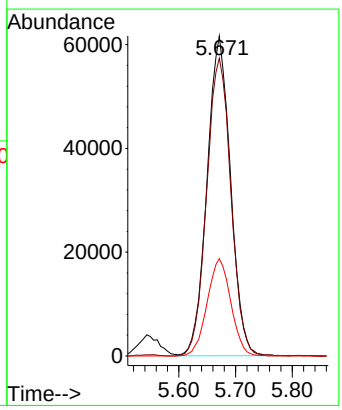
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

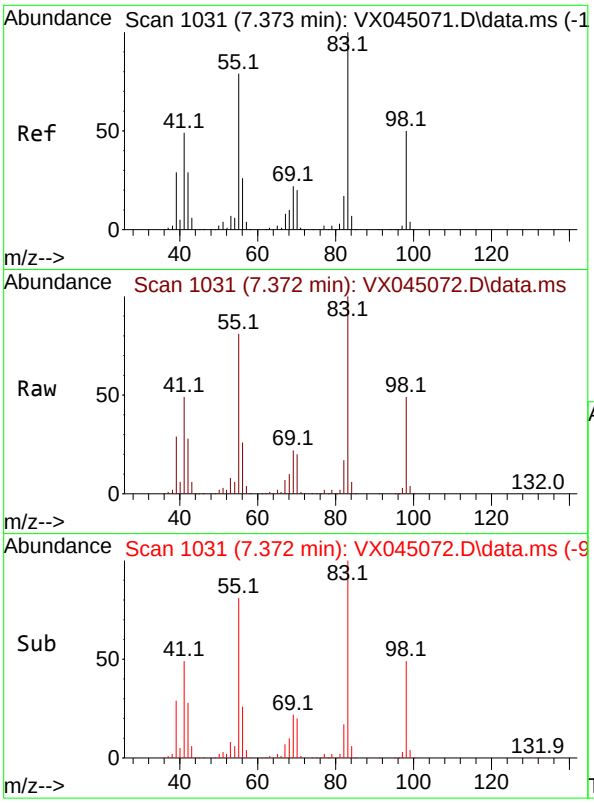


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3

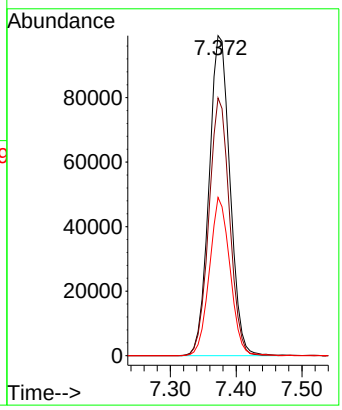




#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 21985

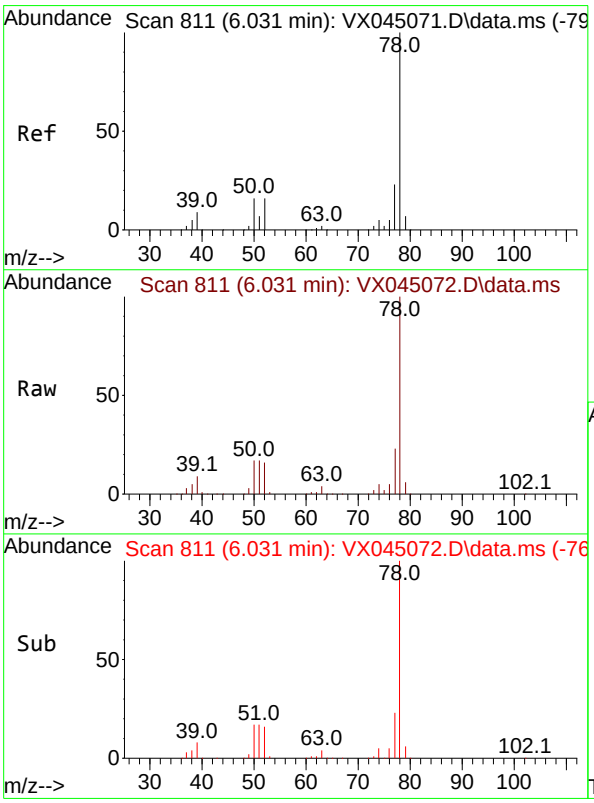
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

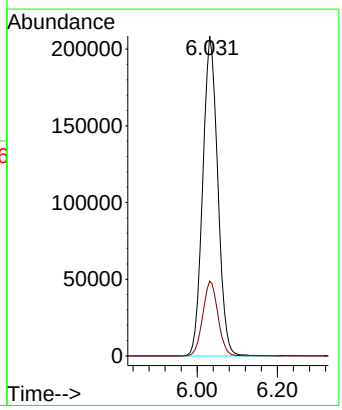
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

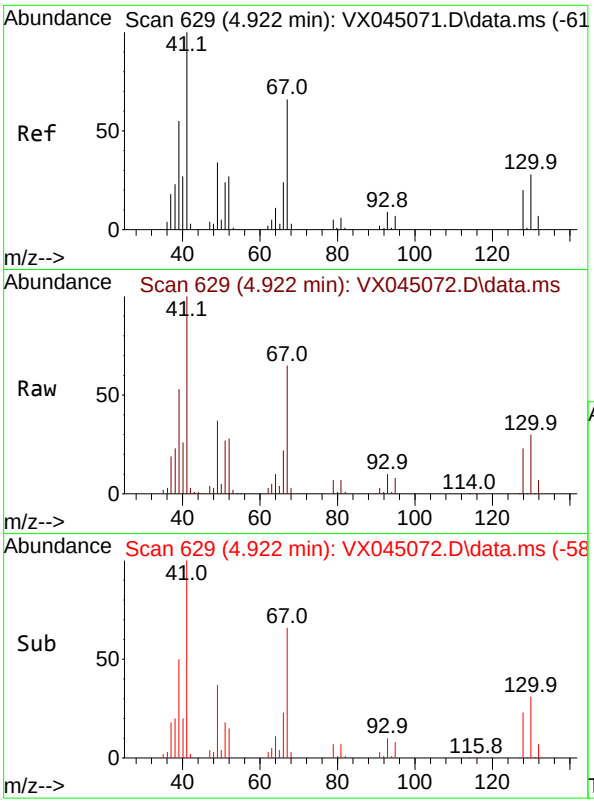


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

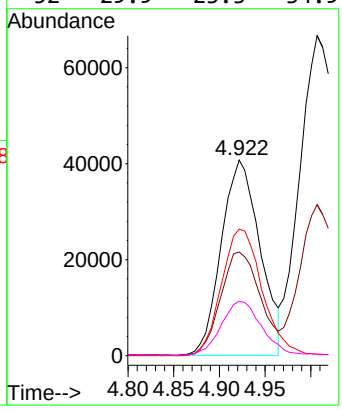




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

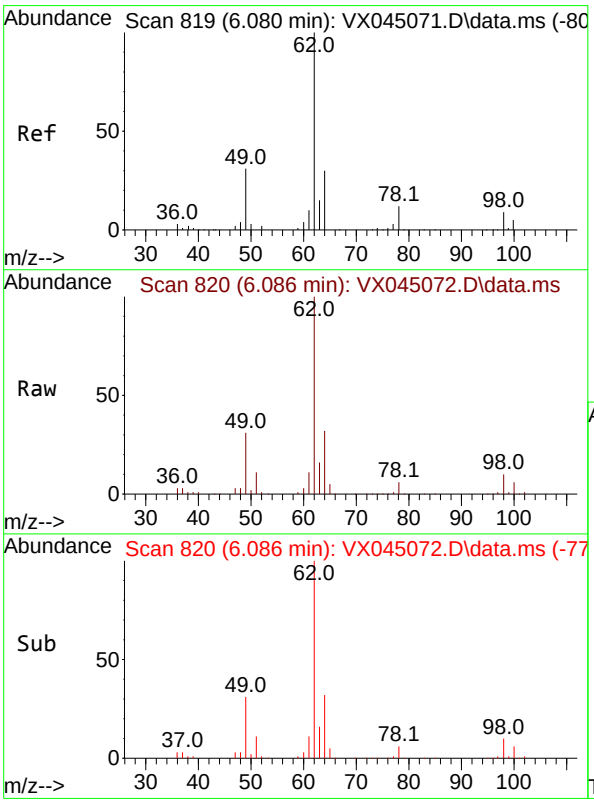
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

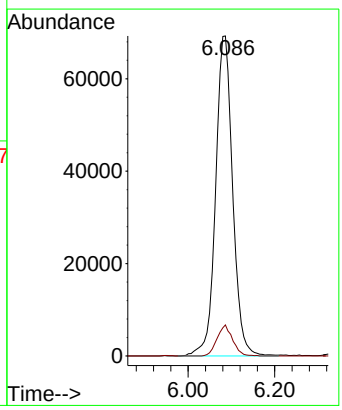
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

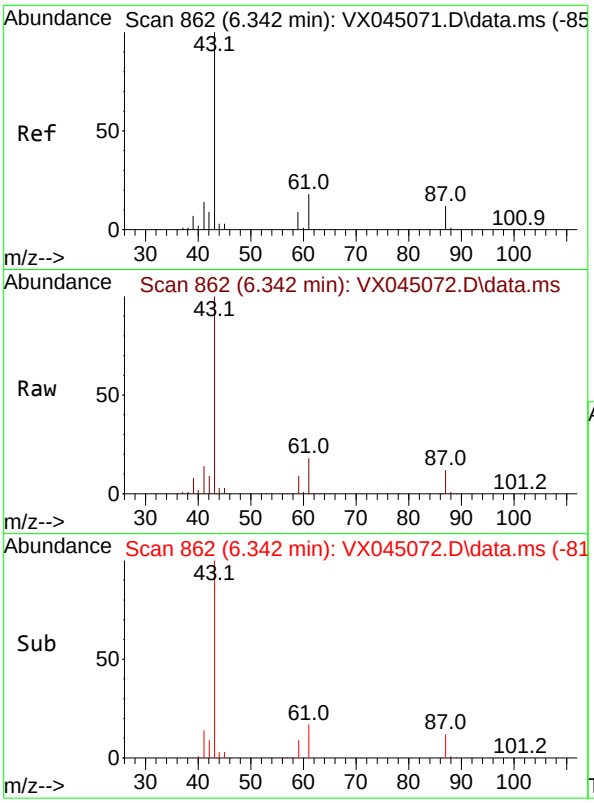


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

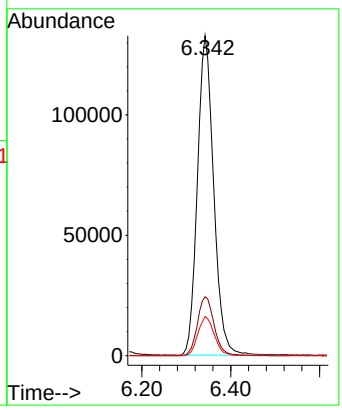
Tgt Ion: 43 Resp: 33841

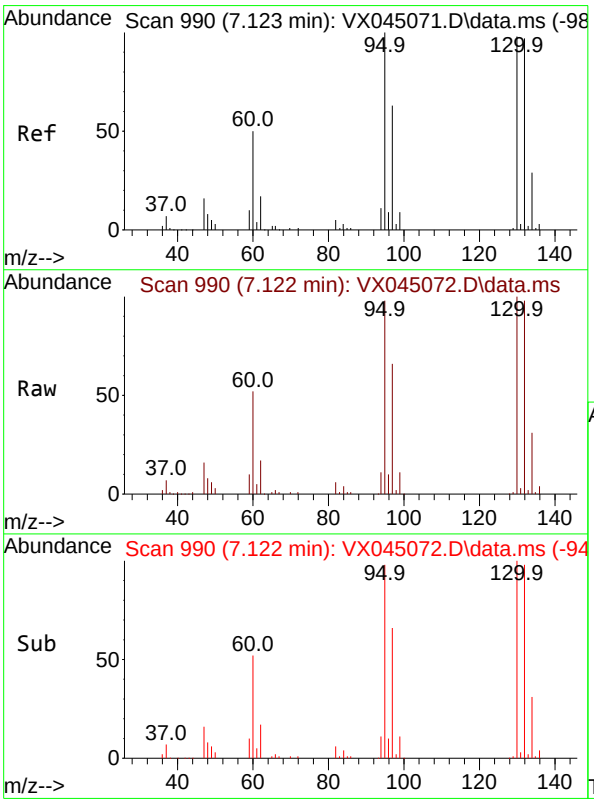
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

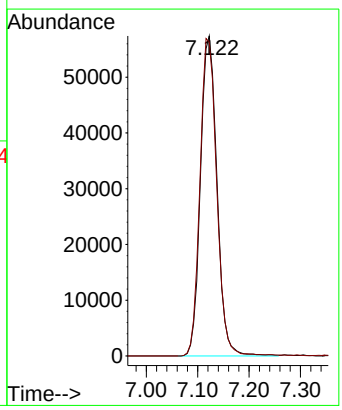


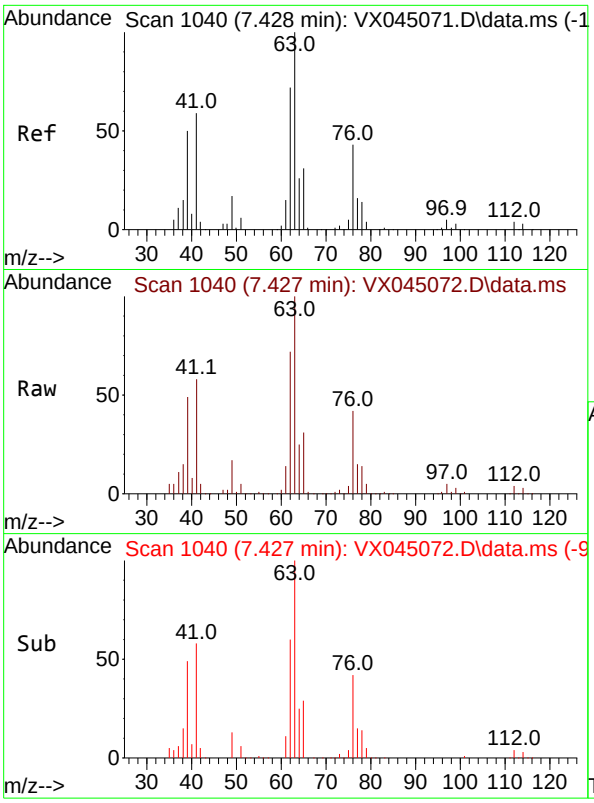


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0

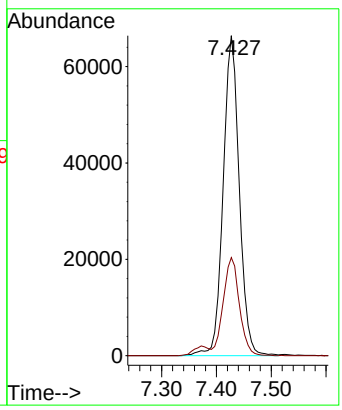




#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 13599

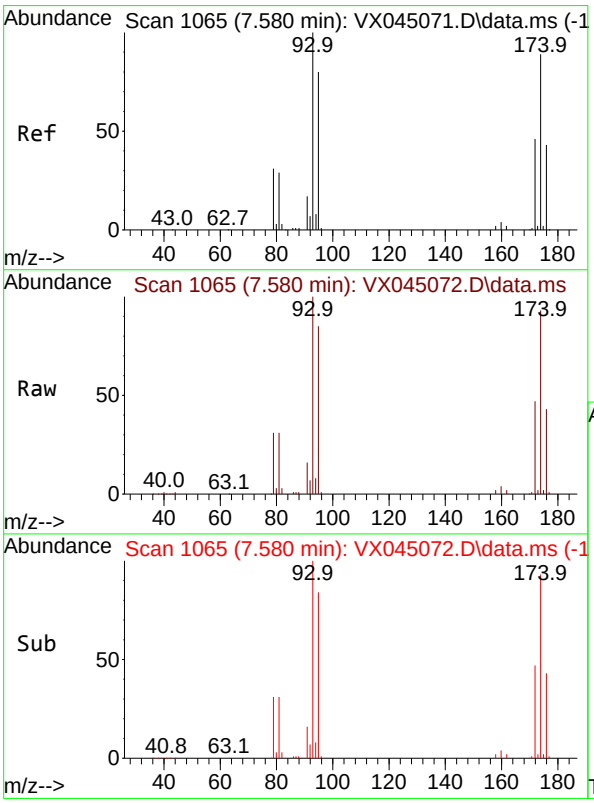
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

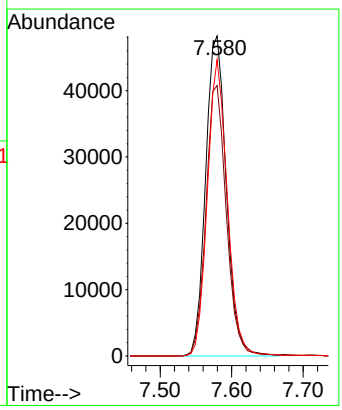
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

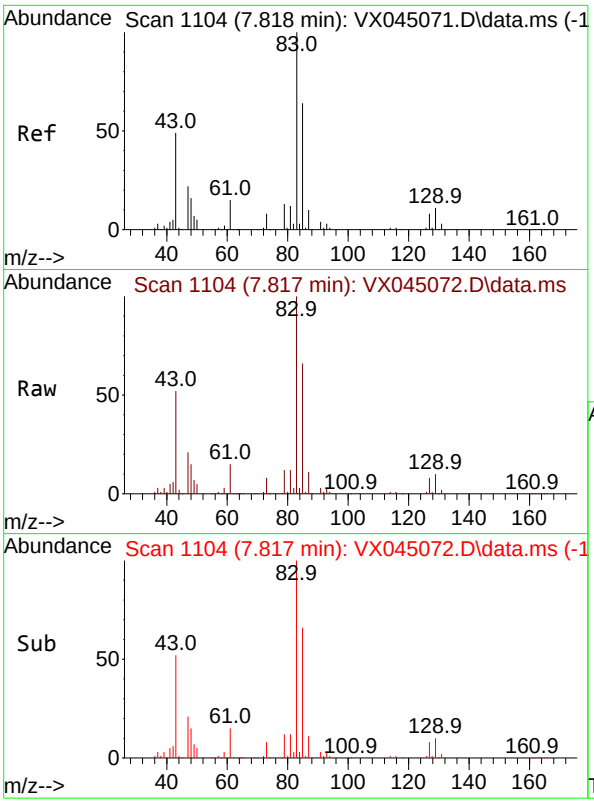


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2

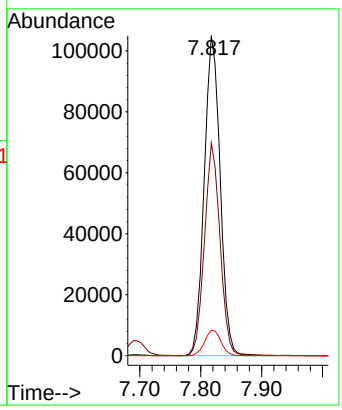




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

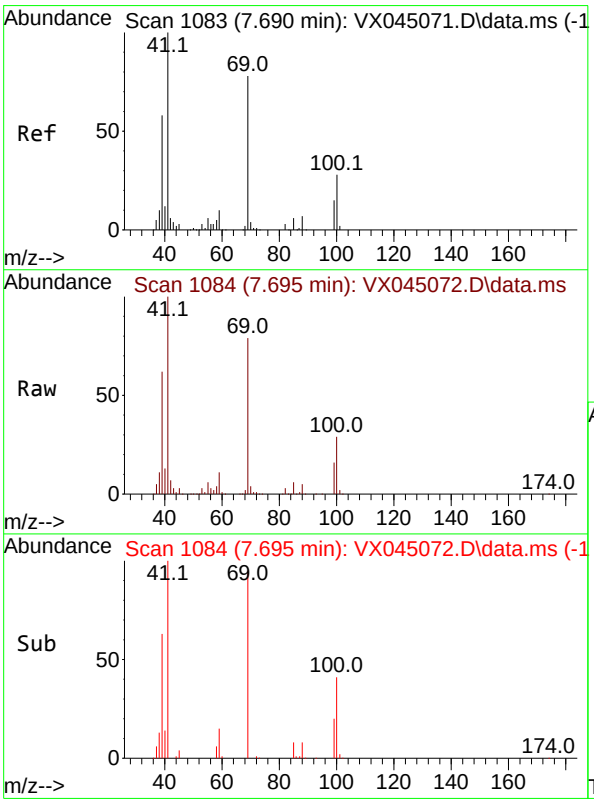
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

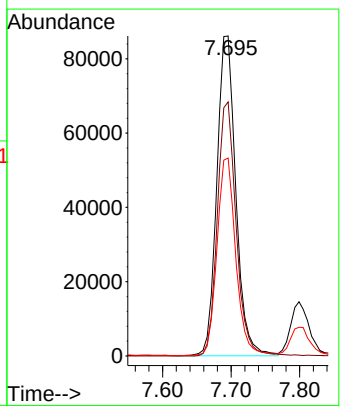
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

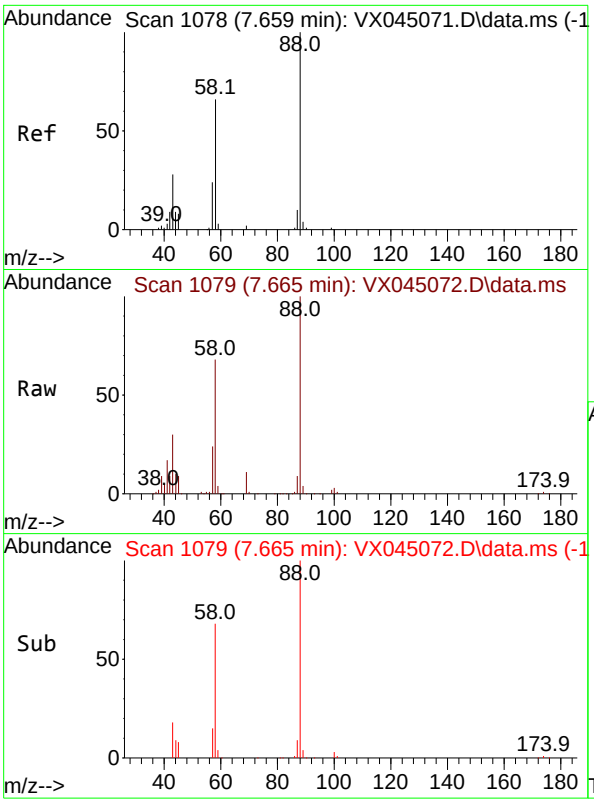


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3

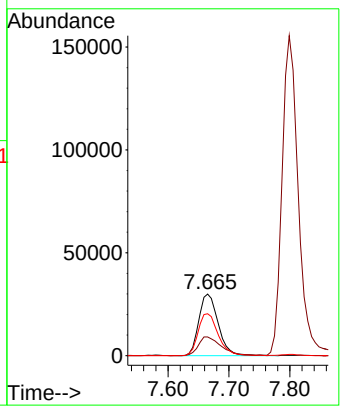




#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 88 Resp: 6630

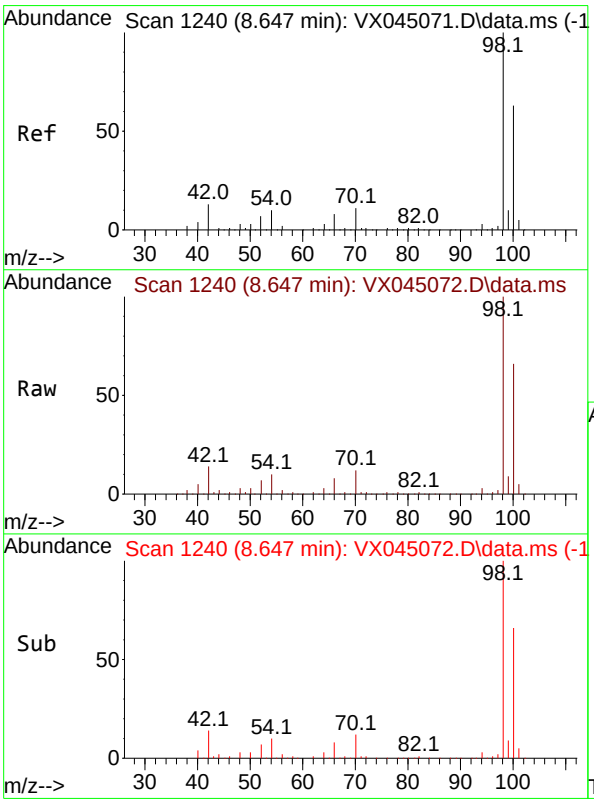
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

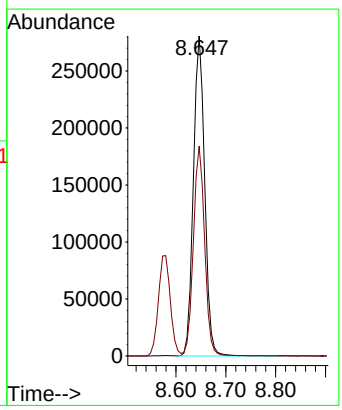
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

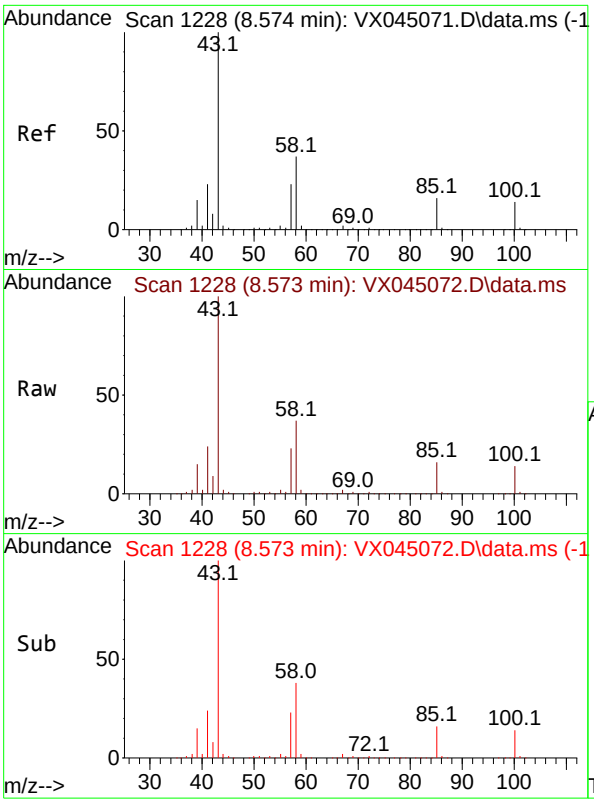


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

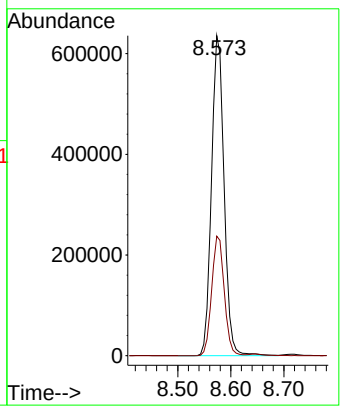




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

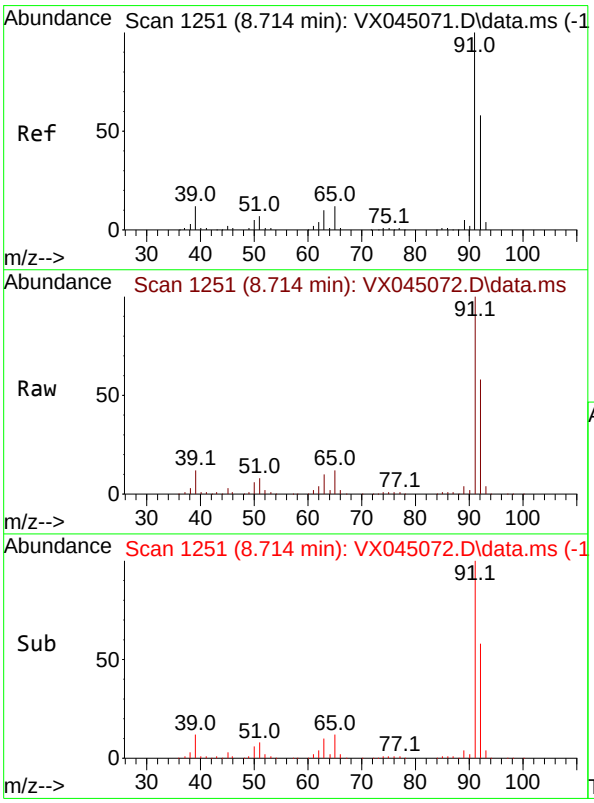
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

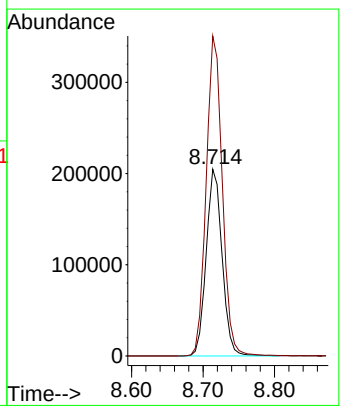
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

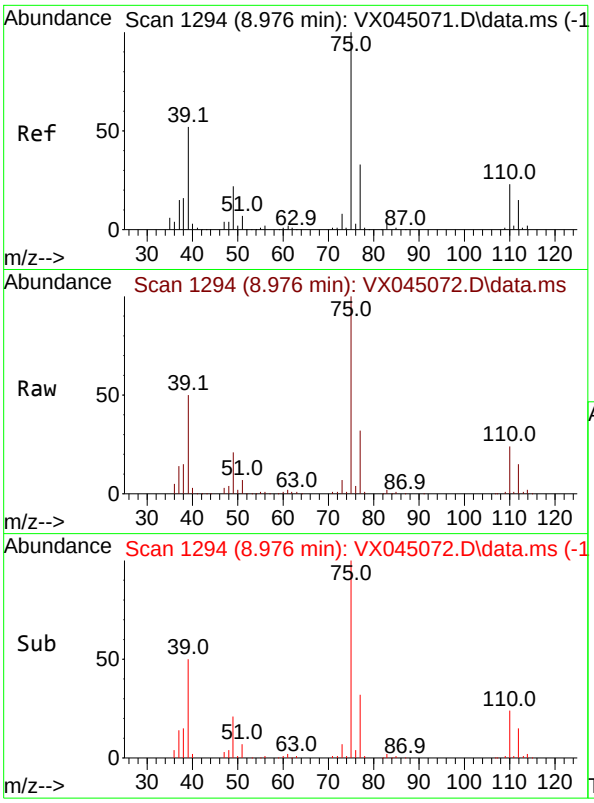


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

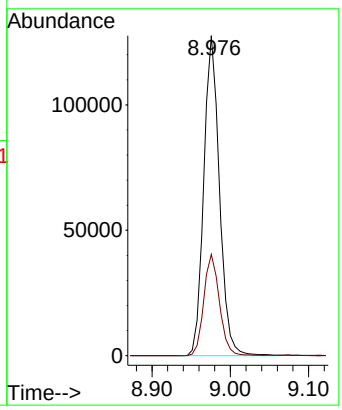




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

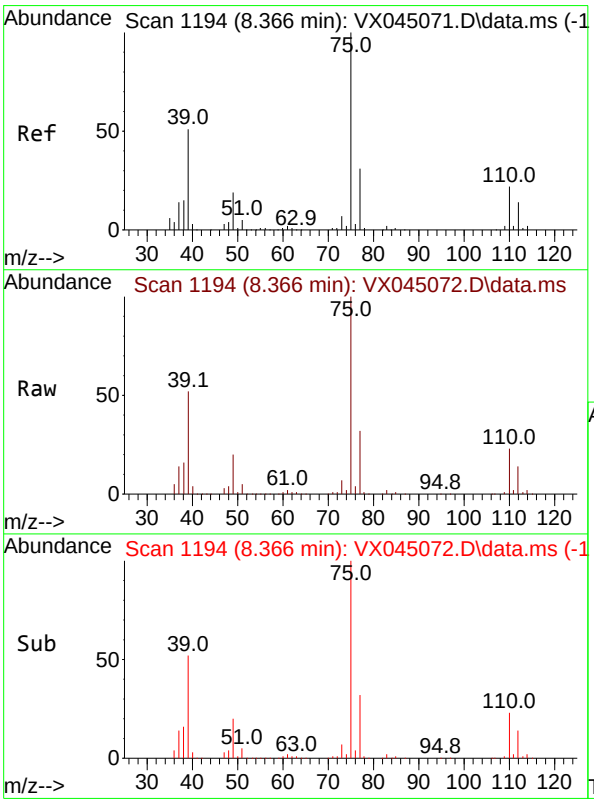
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

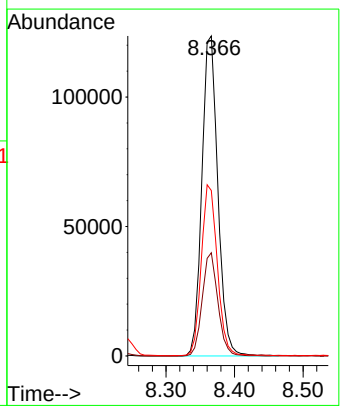
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

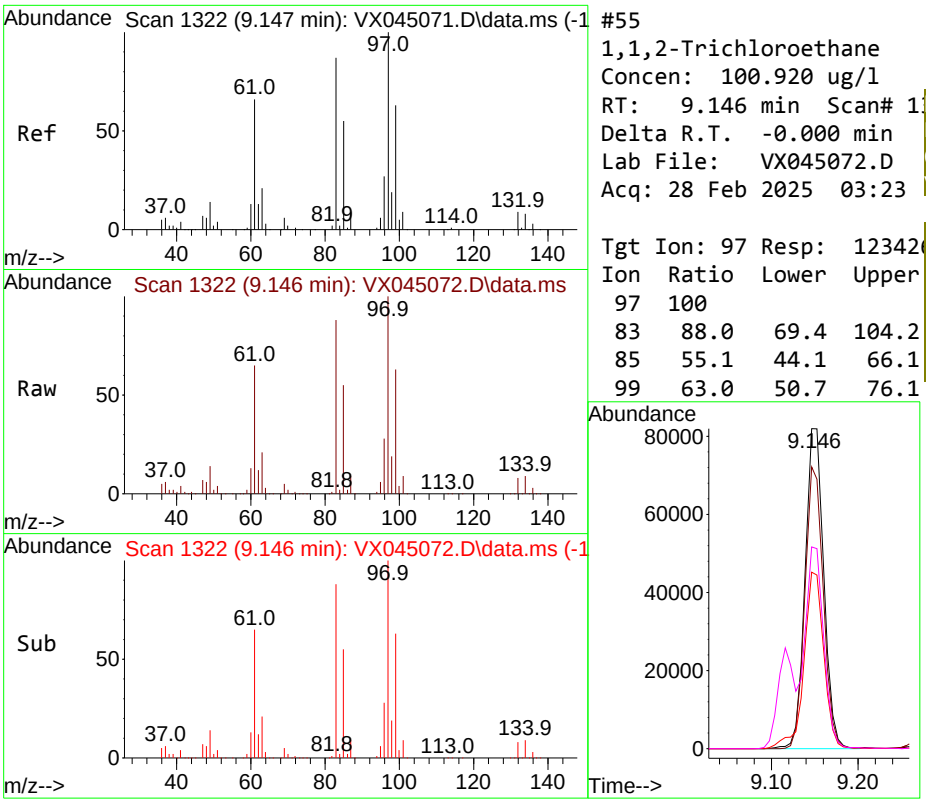


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1





#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

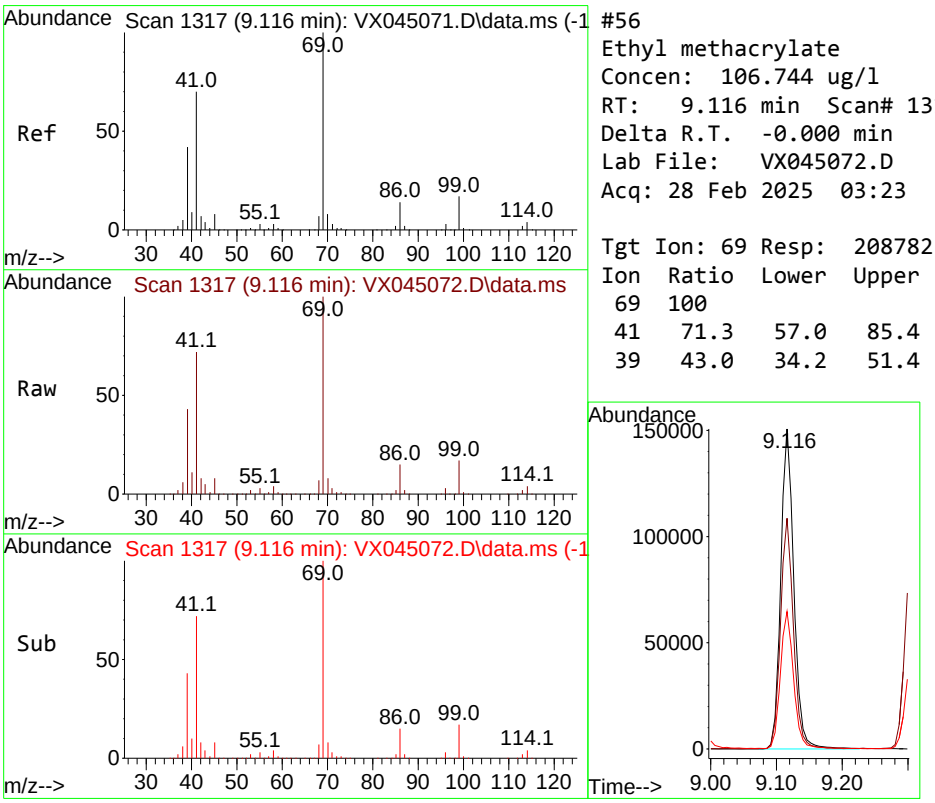
Tgt Ion: 97 Resp: 12342

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

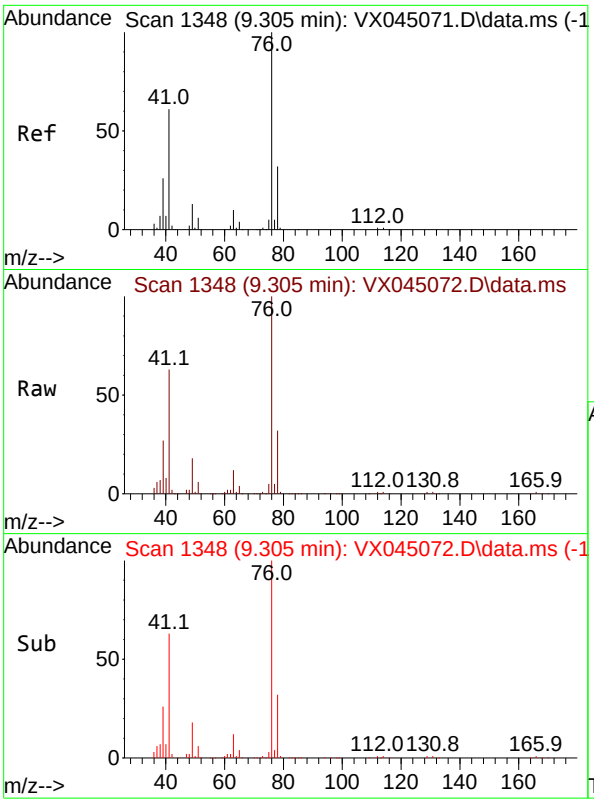
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

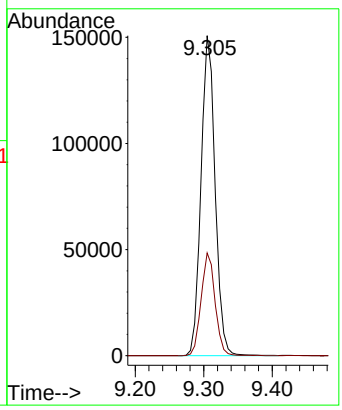
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 21626

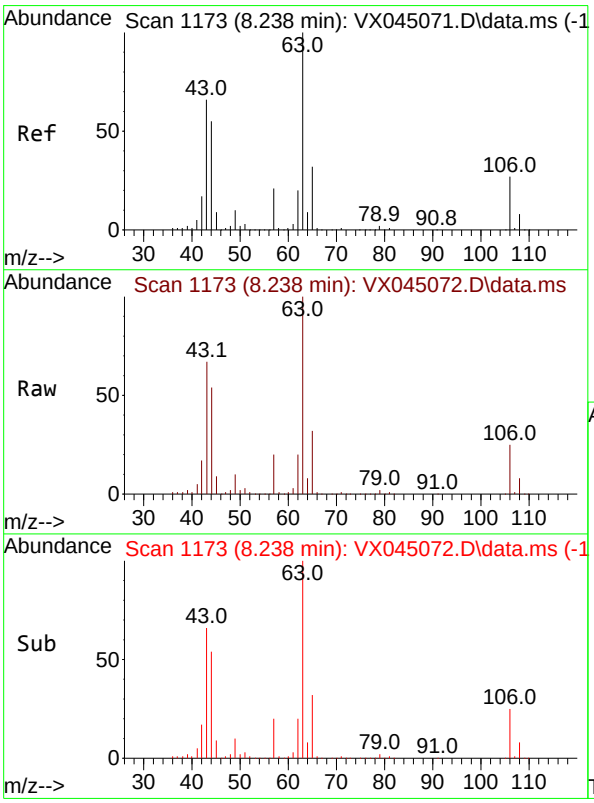
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

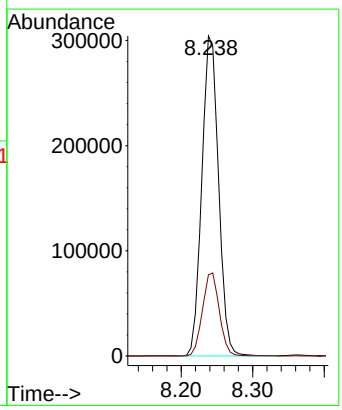
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

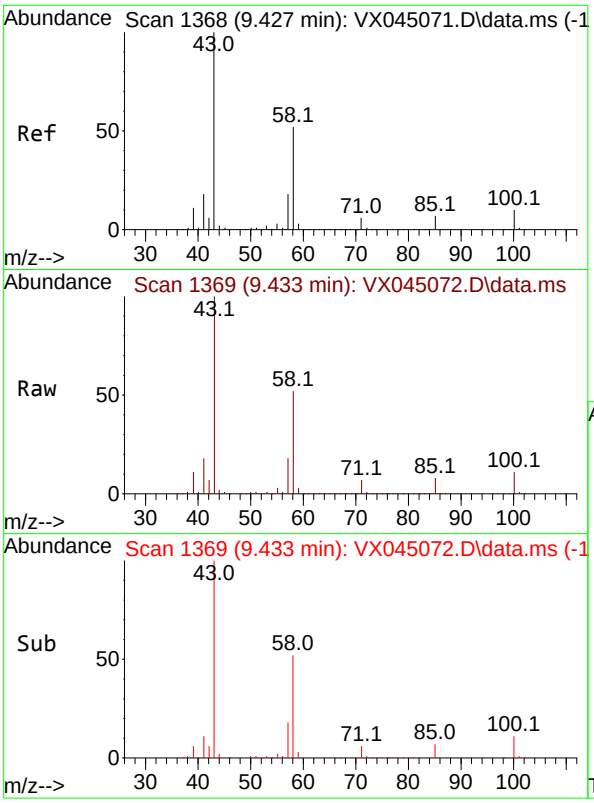


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

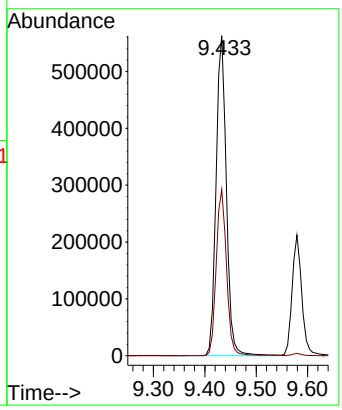




#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 77949

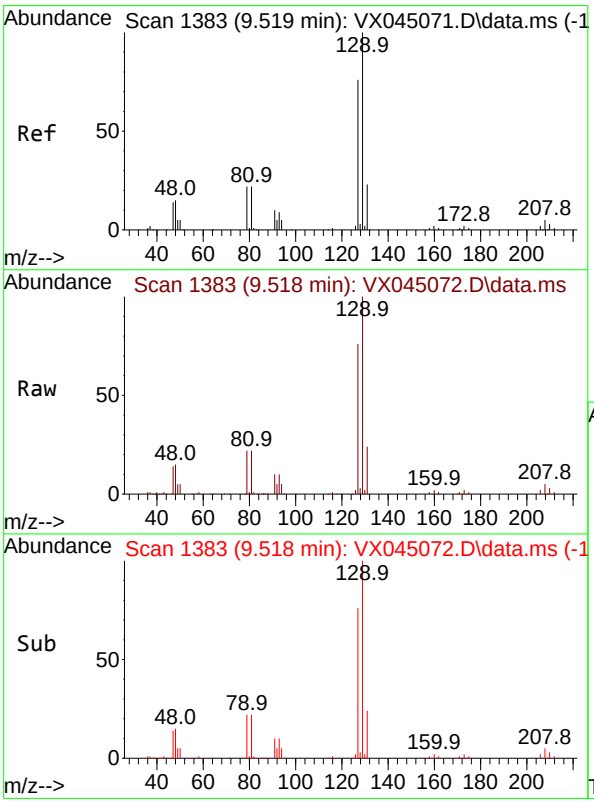
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

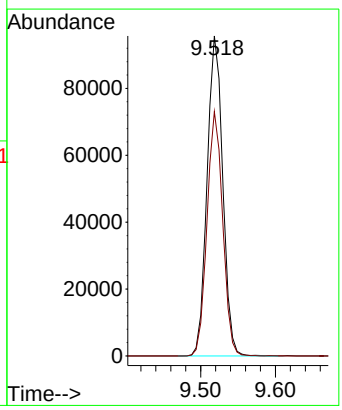
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

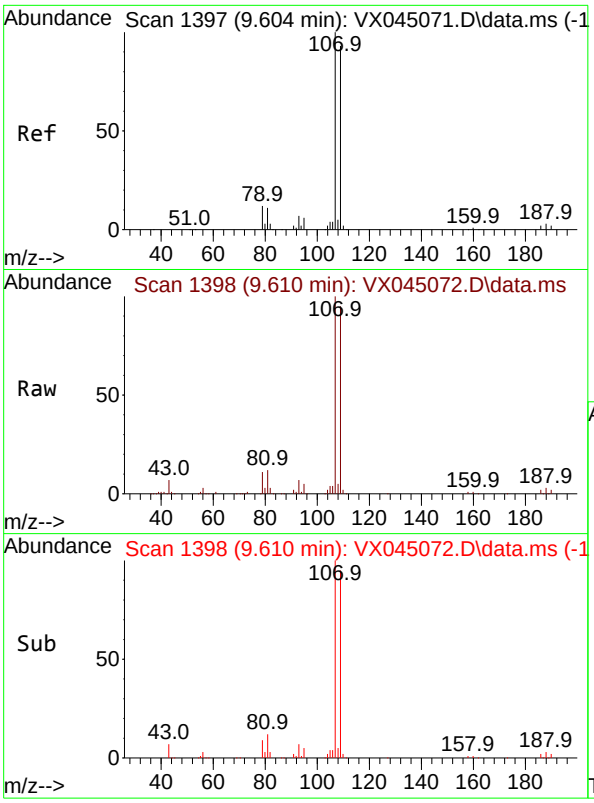


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

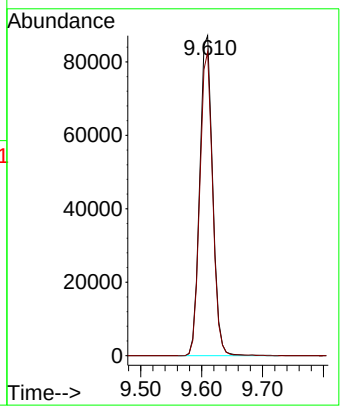




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

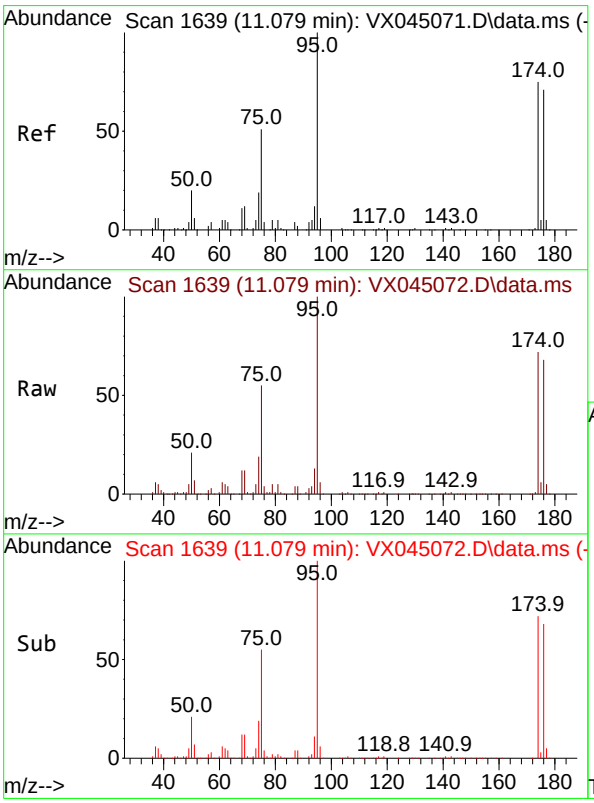
Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

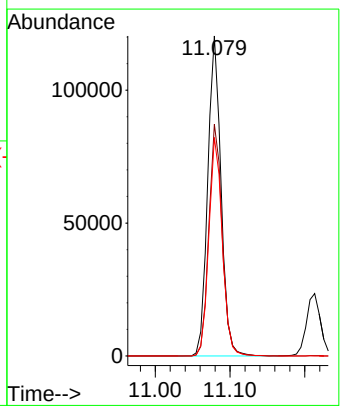
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

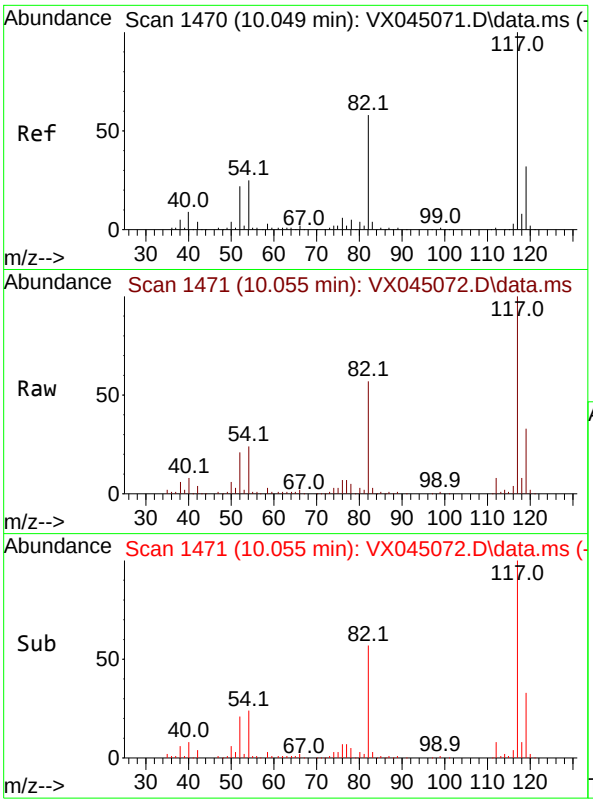


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4

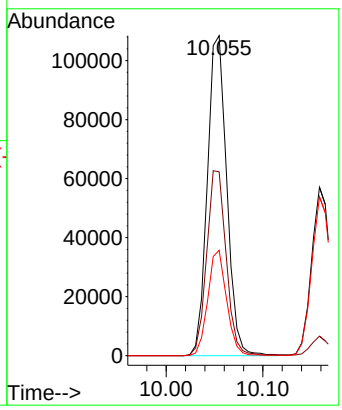




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 15117

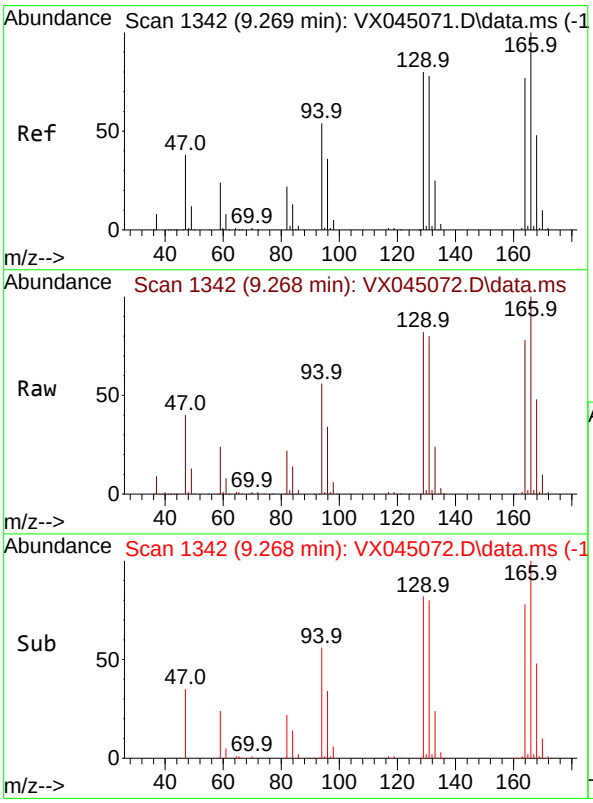
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

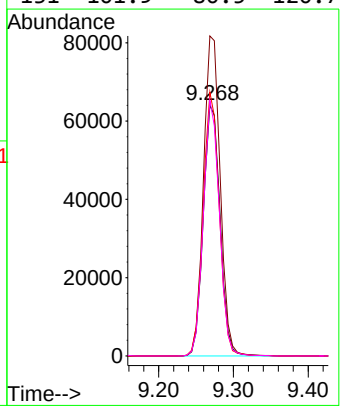
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

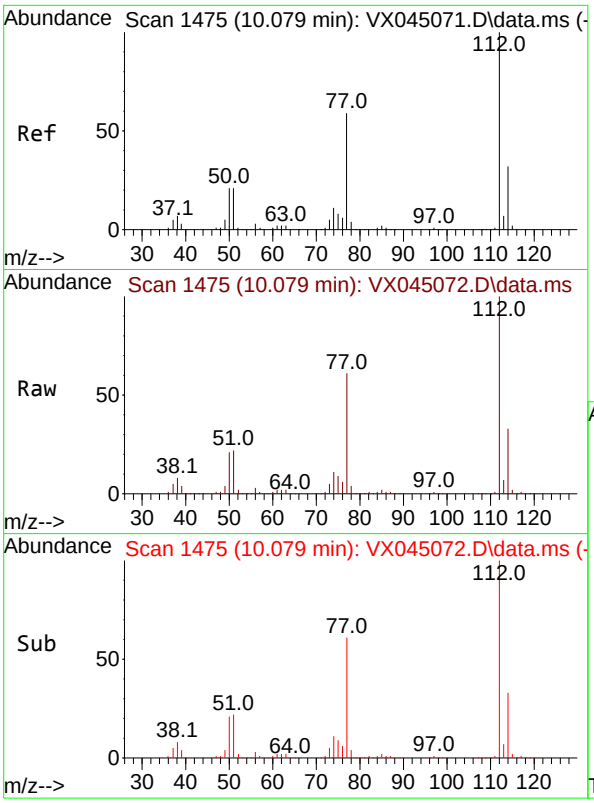


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7

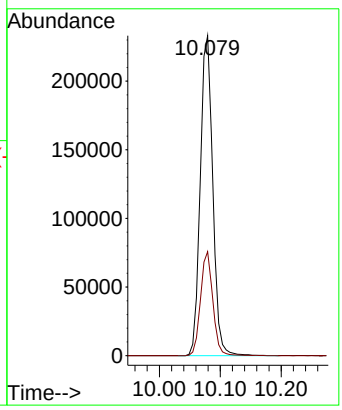




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

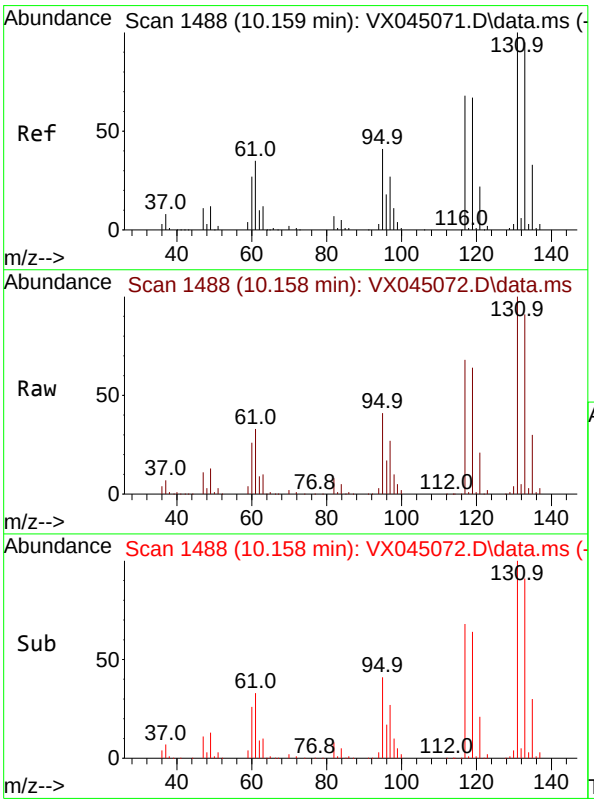
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

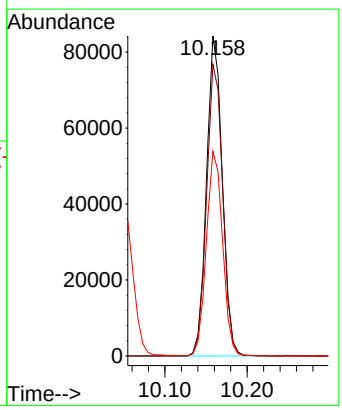
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

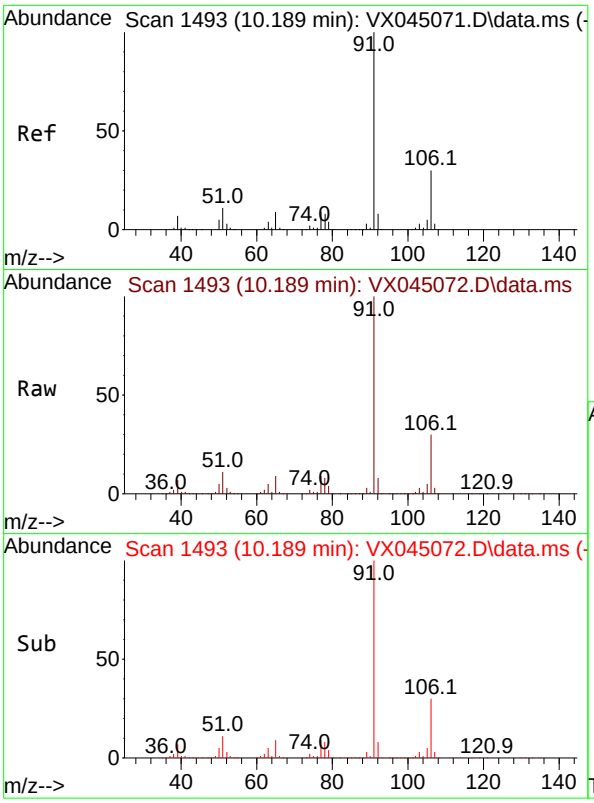


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7

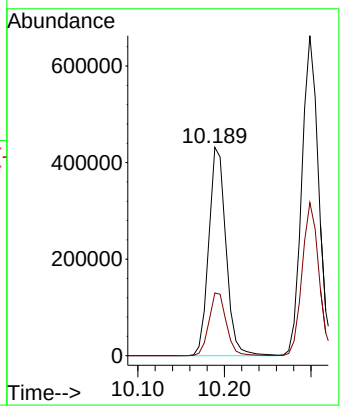




#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 59625

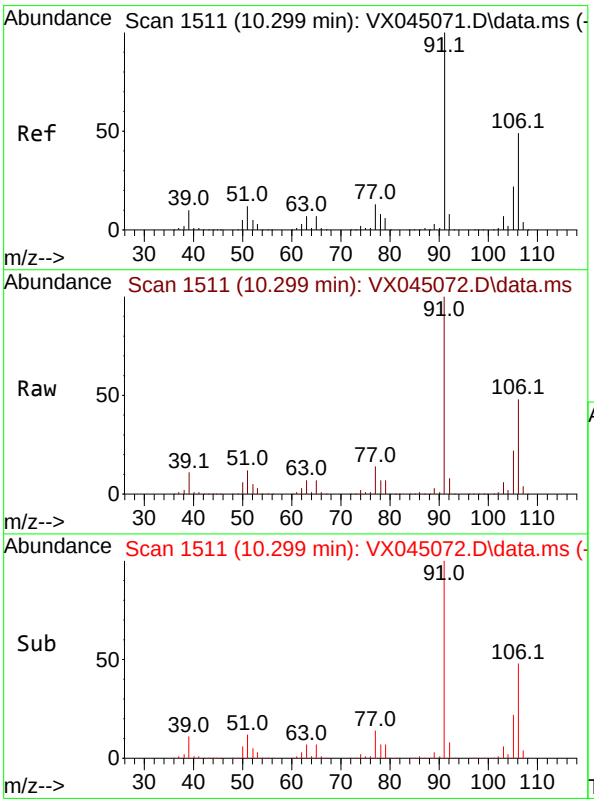
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

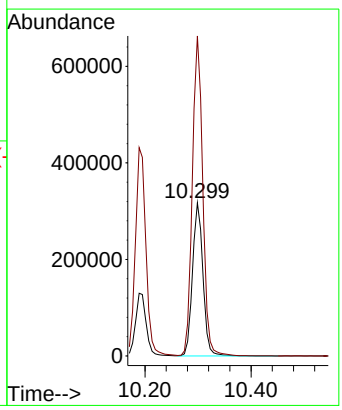
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

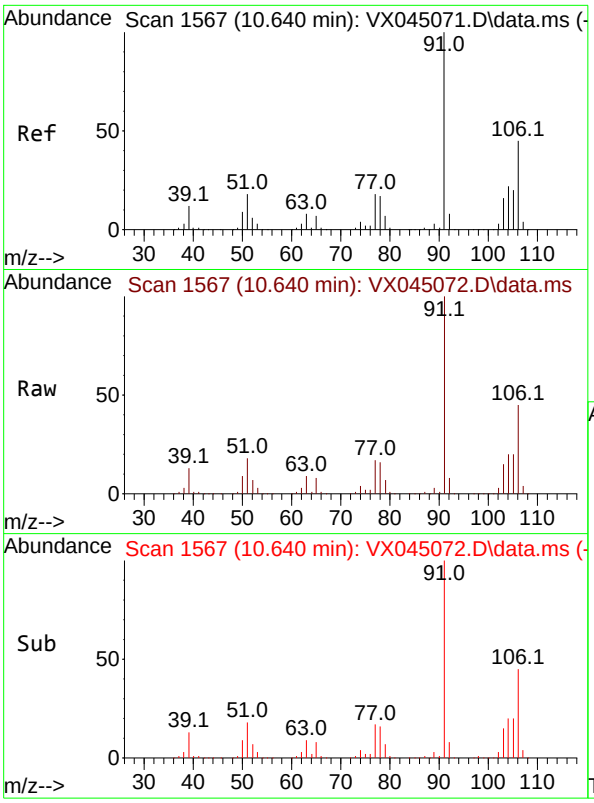


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

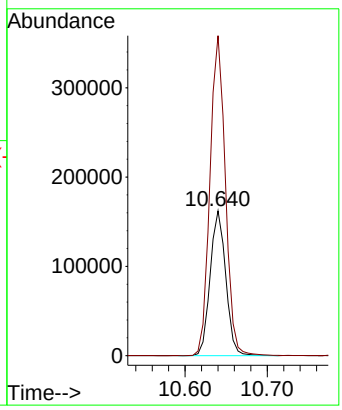




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

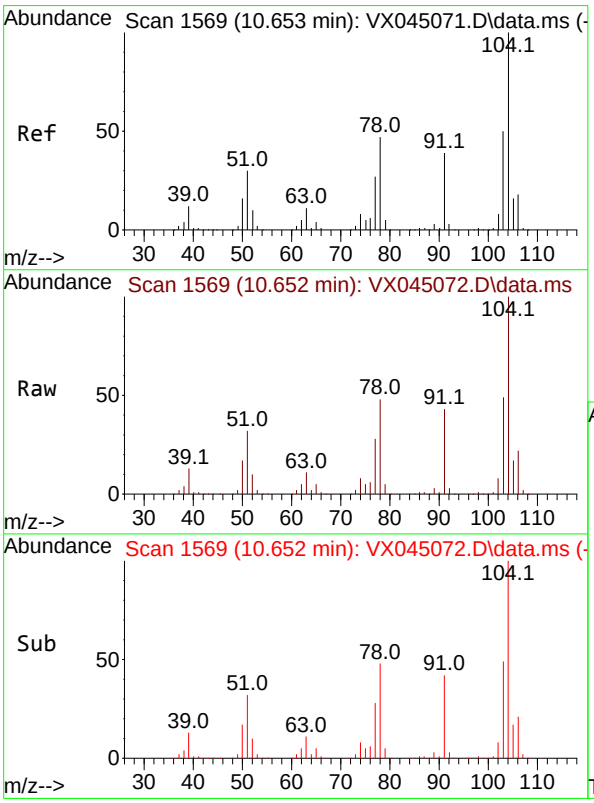
Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

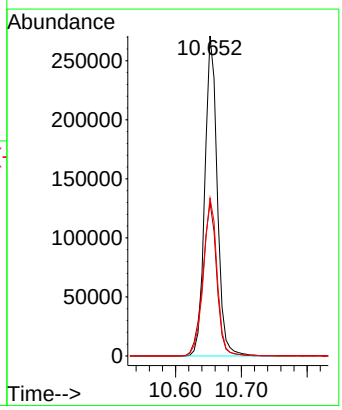
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

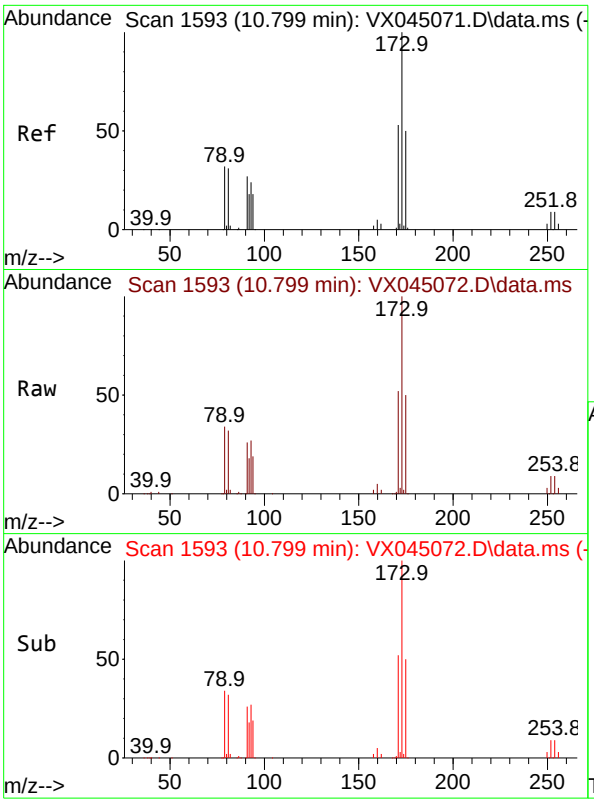


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8

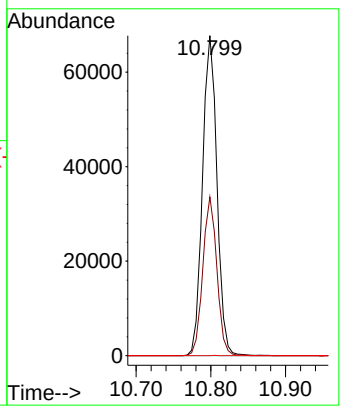




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

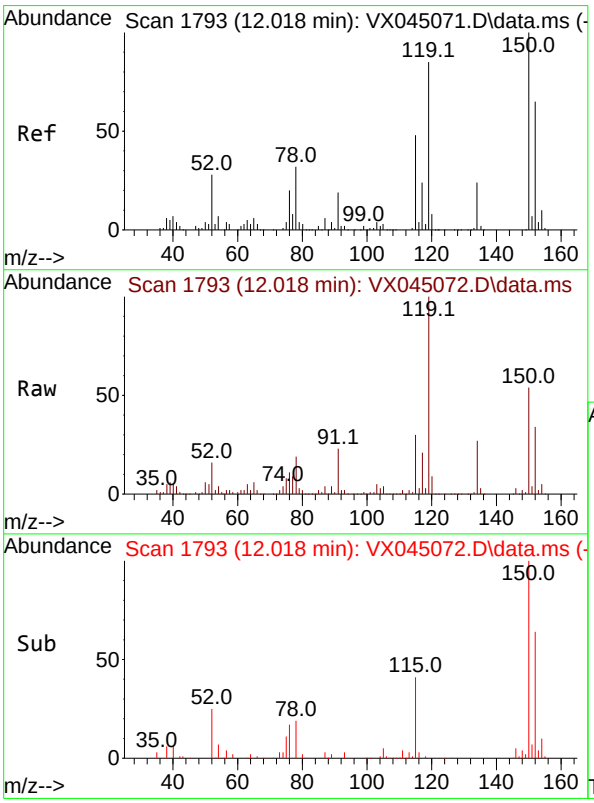
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

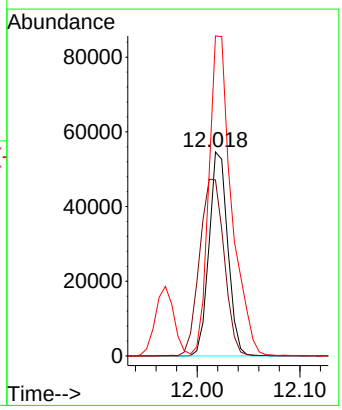
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

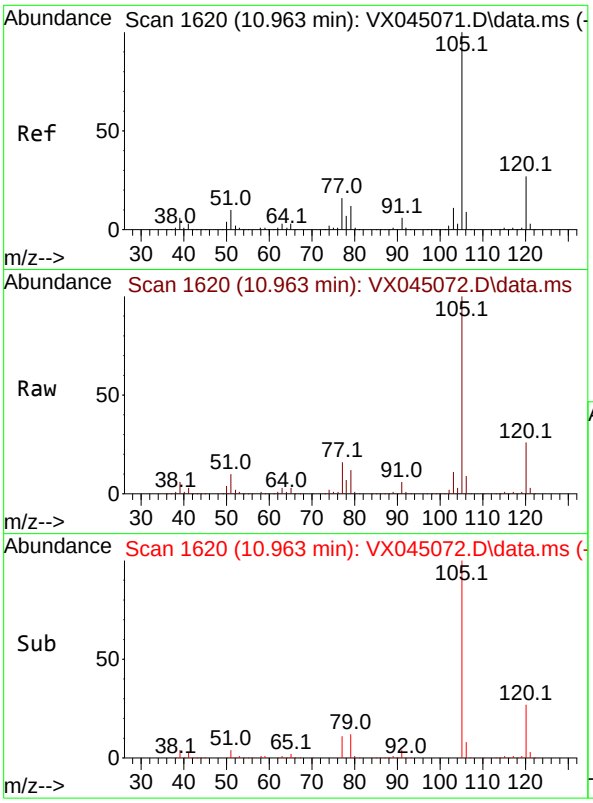


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0

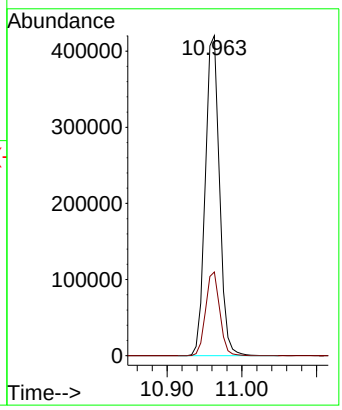




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

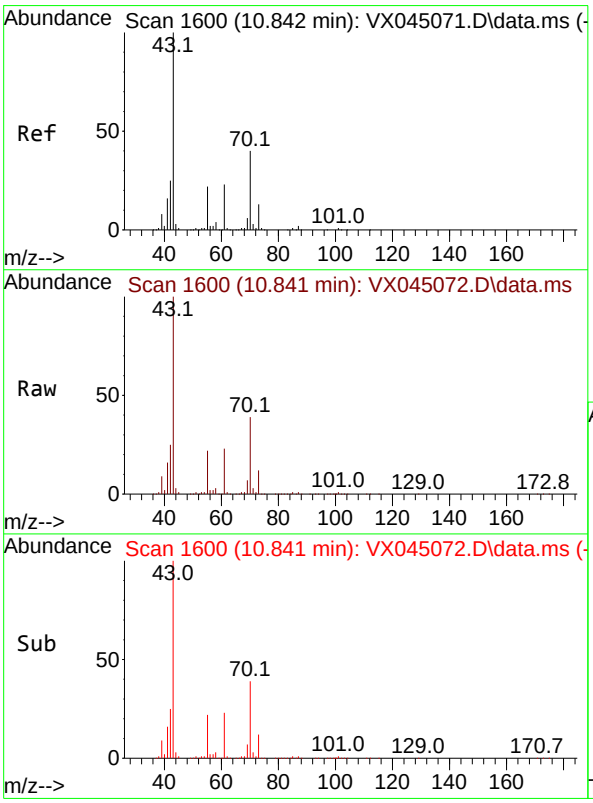
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

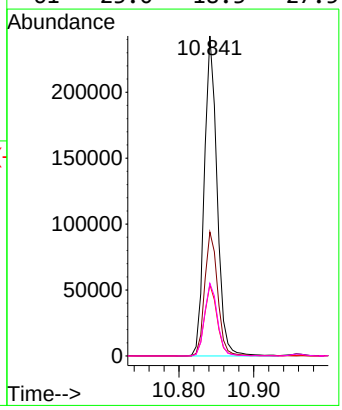
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

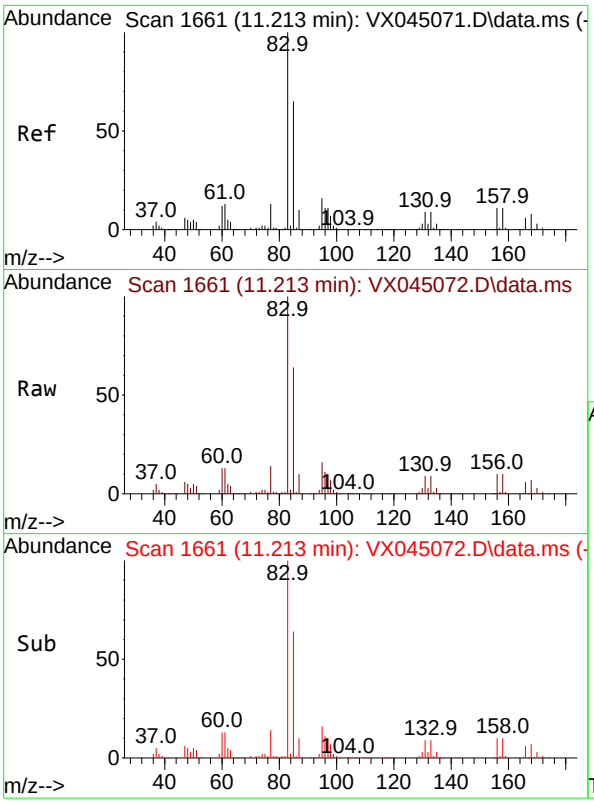


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

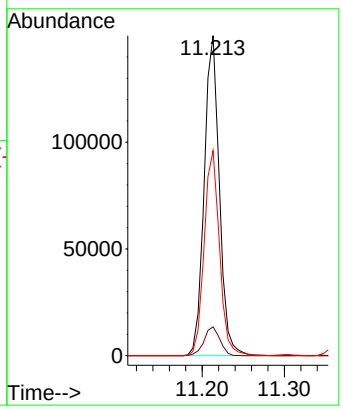




#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19221

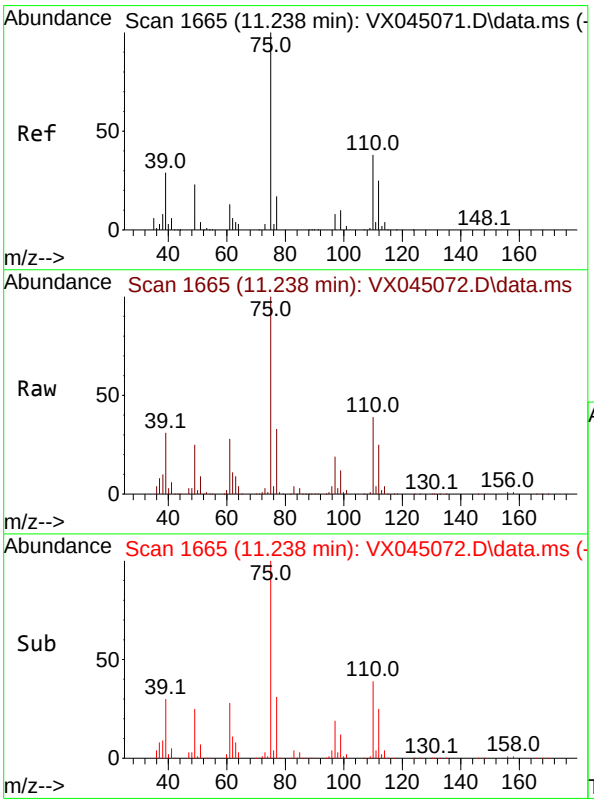
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

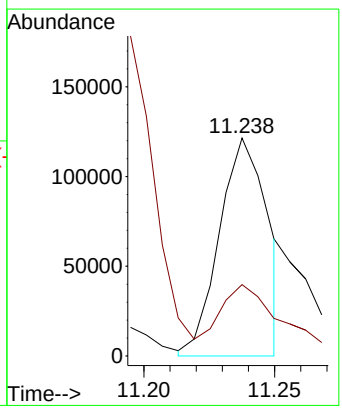
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

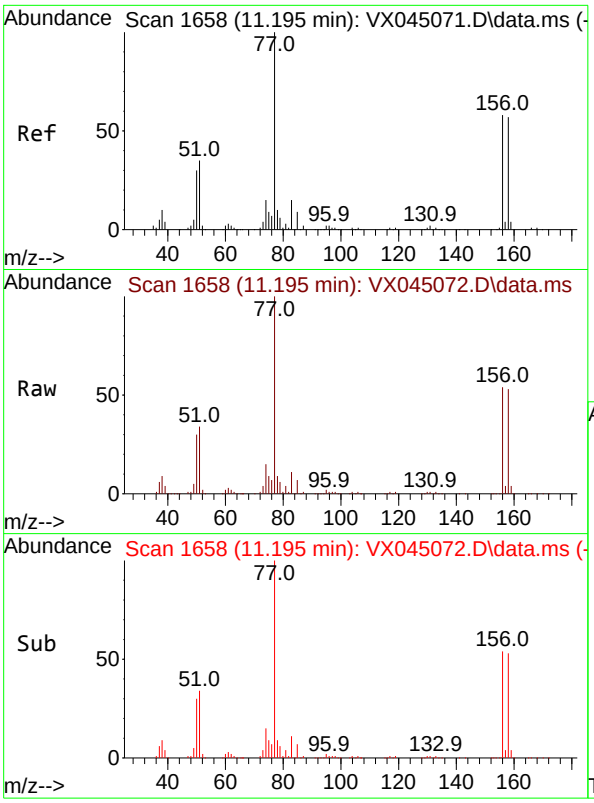


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 156259

Ion	Ratio	Lower	Upper
75	100		
77	42.7	20.7	62.1

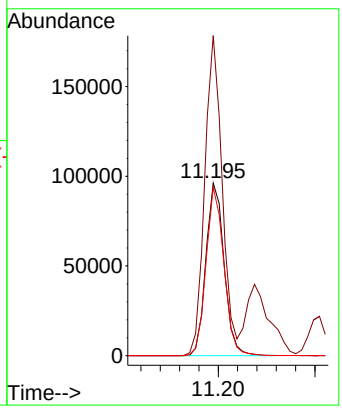




#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:156 Resp: 12570(

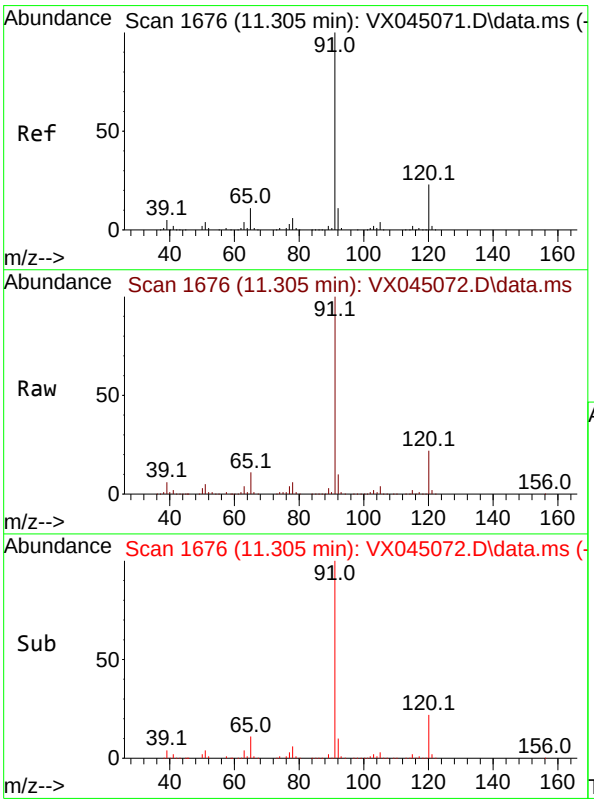
Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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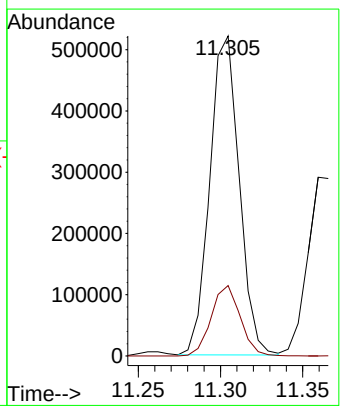
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

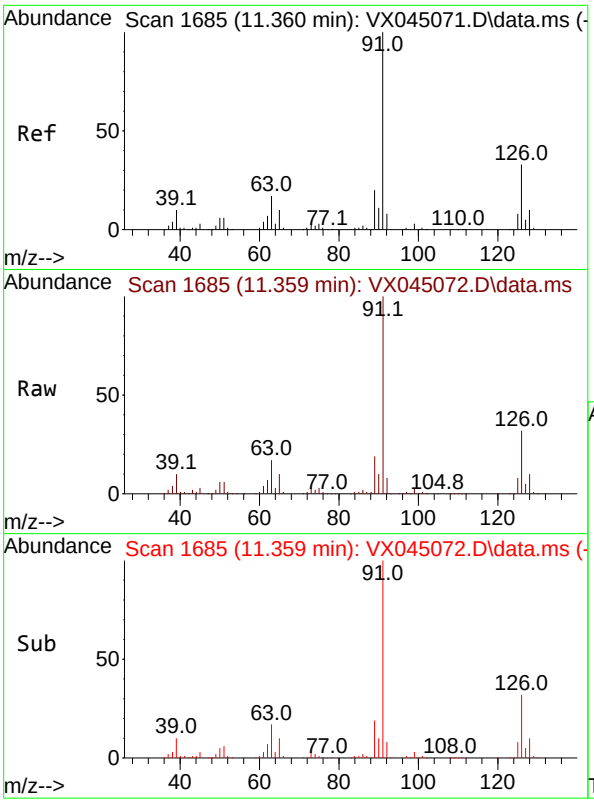


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

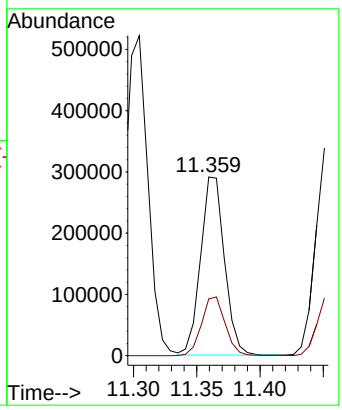
Tgt Ion: 91 Resp: 38270

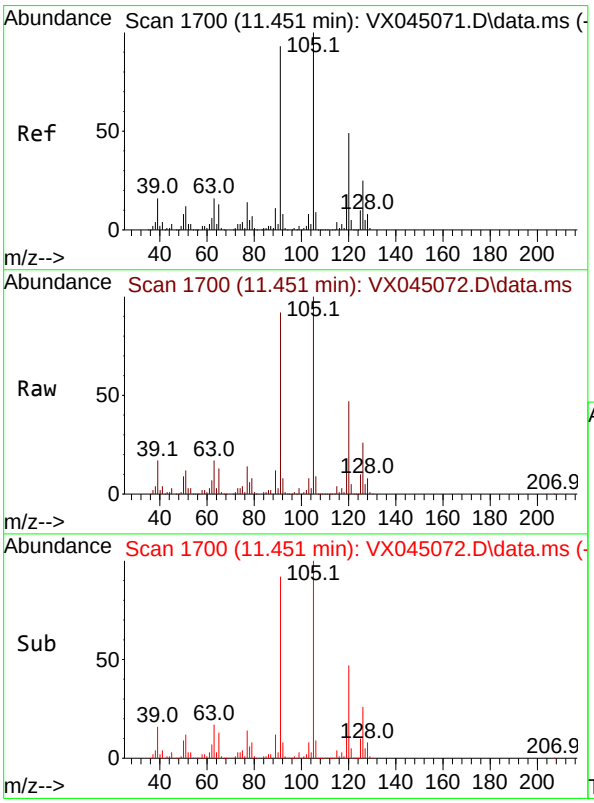
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

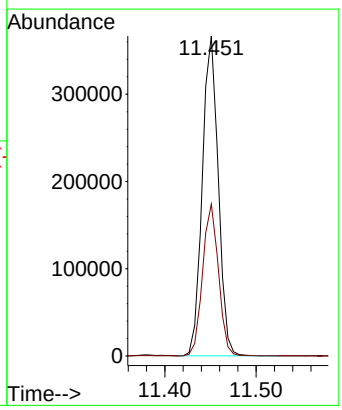


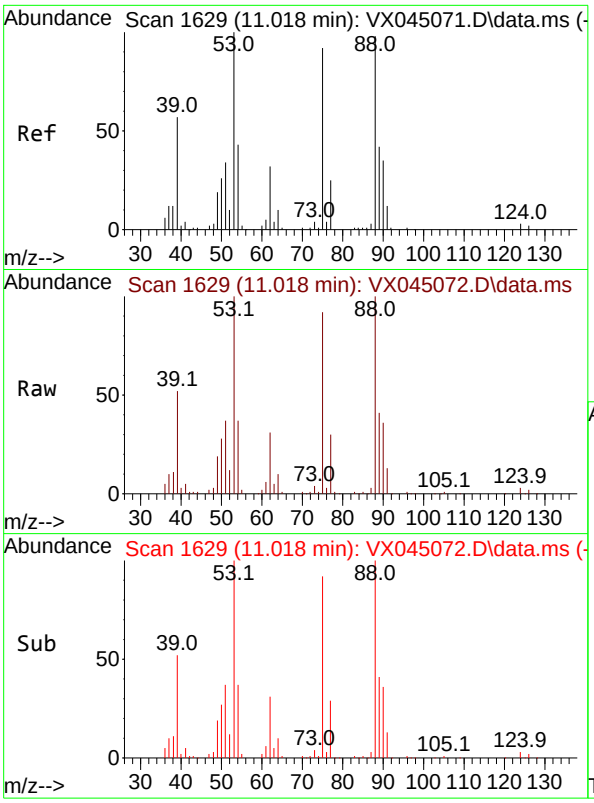


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

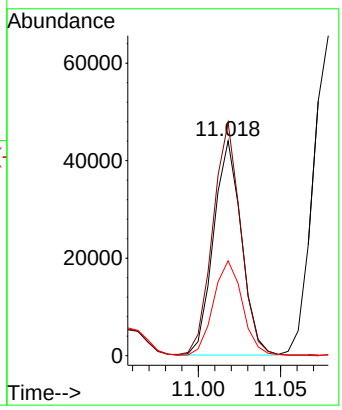




#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 5197

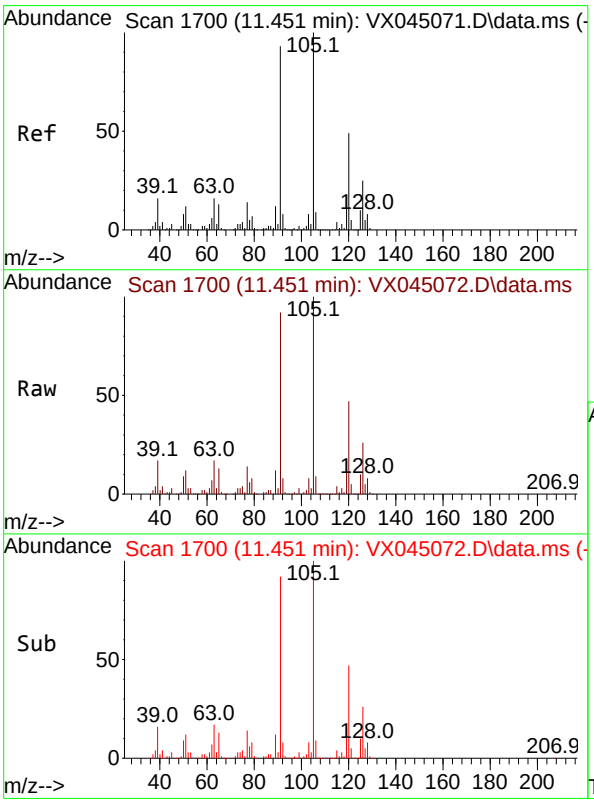
Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

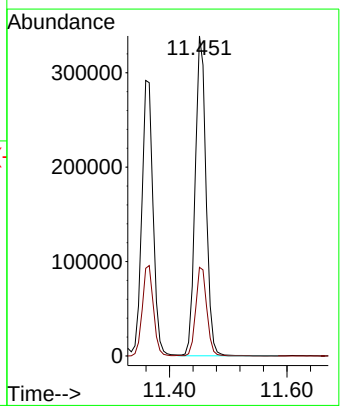
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

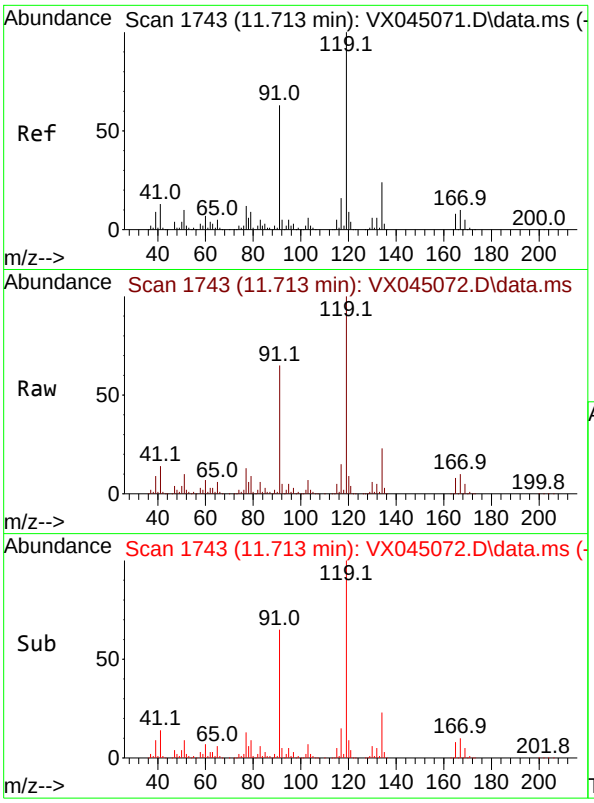


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

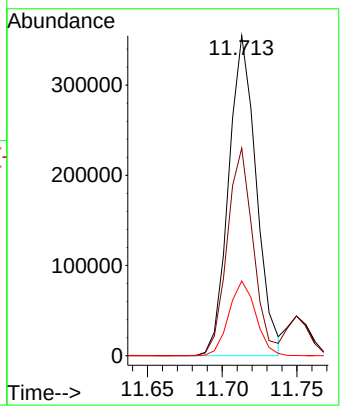




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

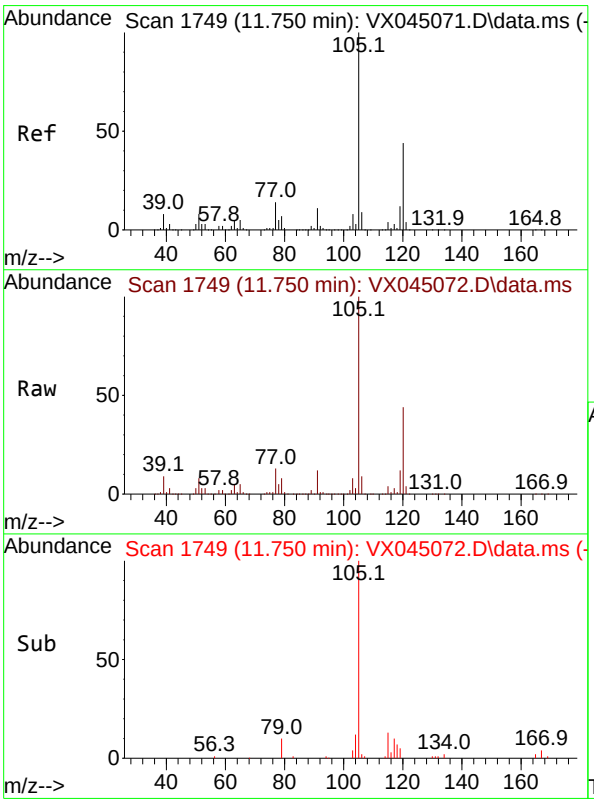
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

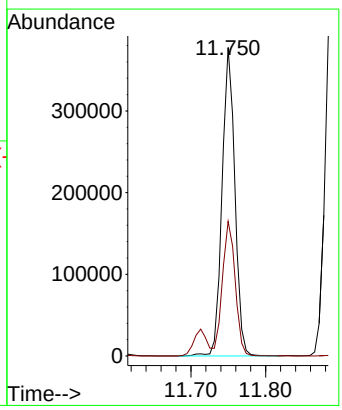
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

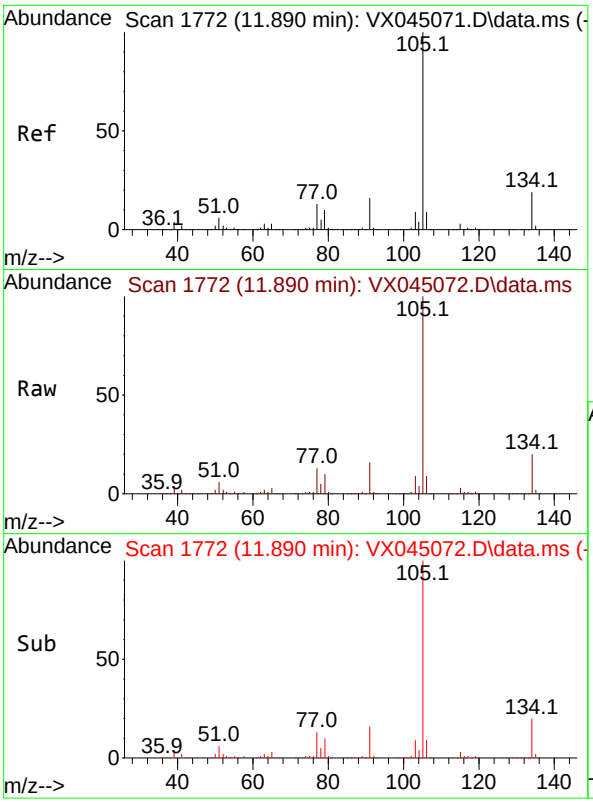


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

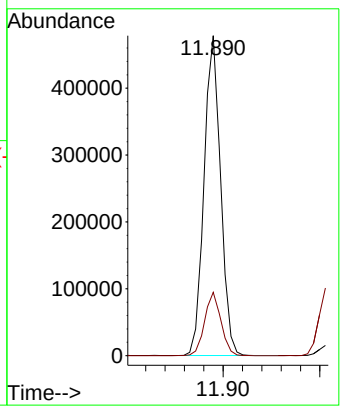
Tgt Ion:105 Resp: 57000

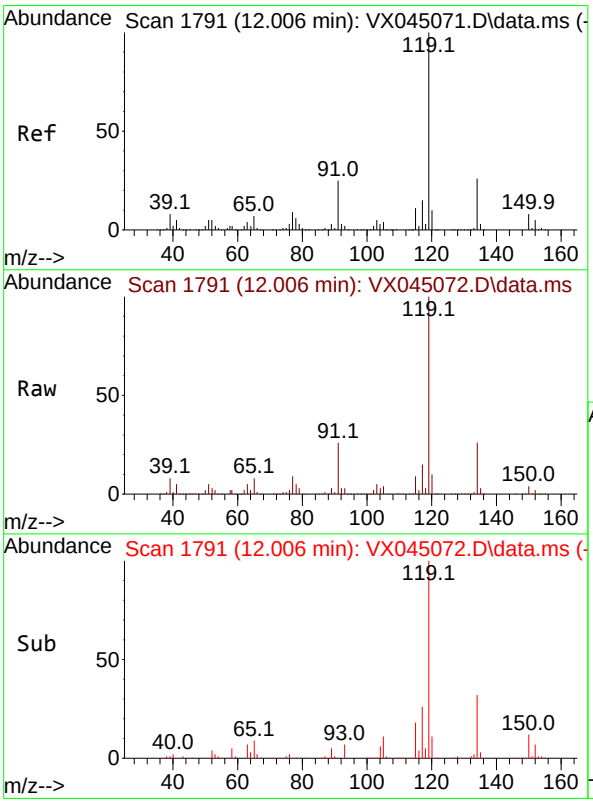
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

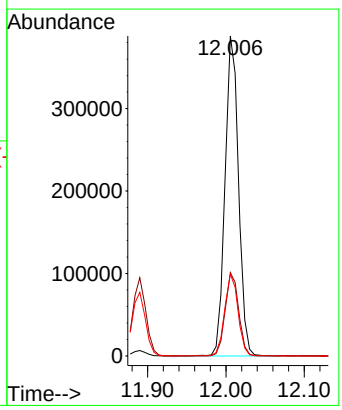


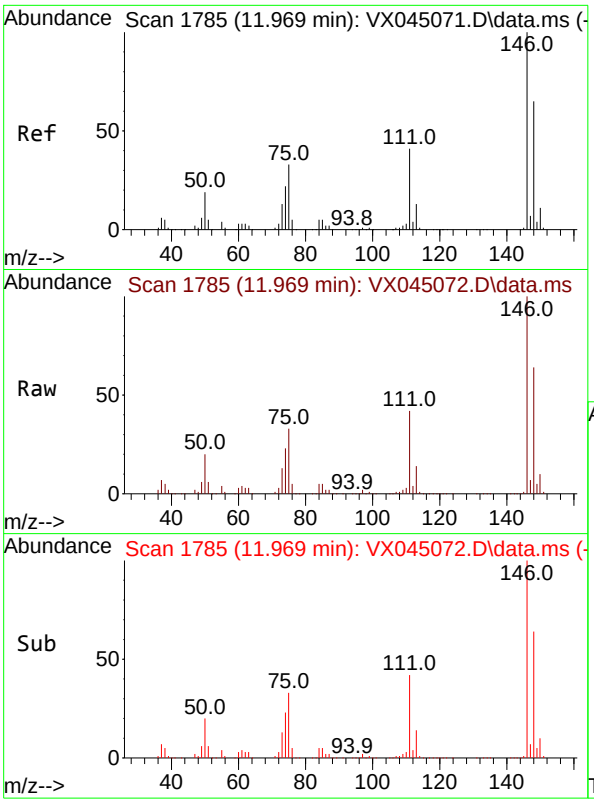


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0

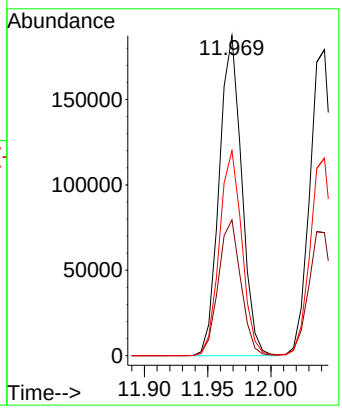




#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23144

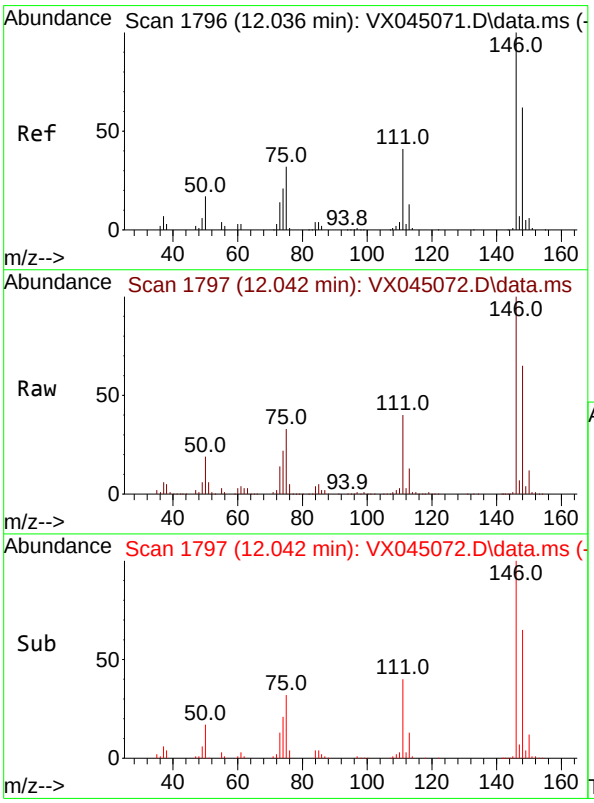
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

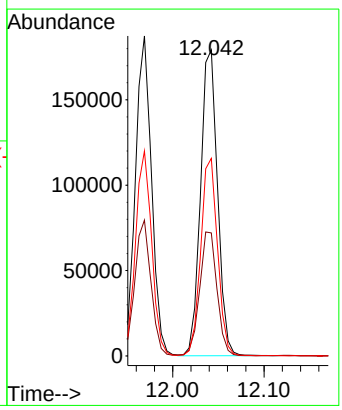
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

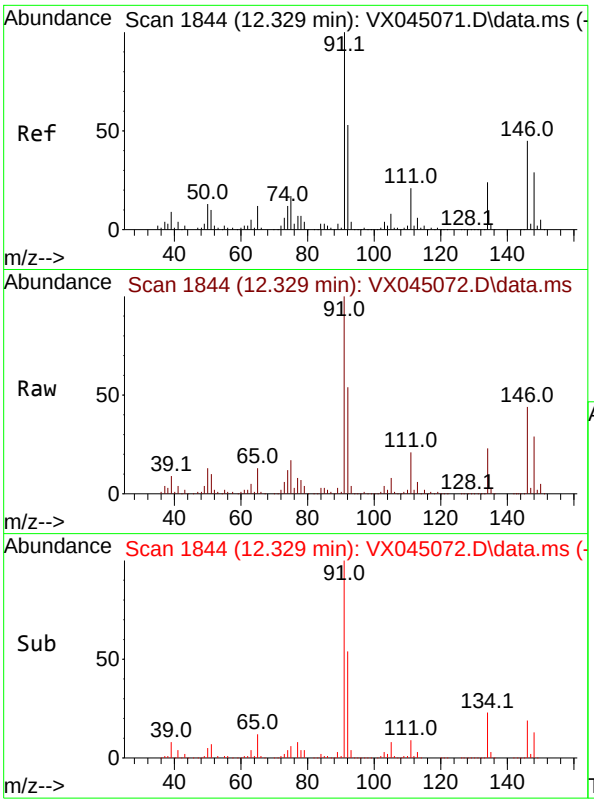


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9

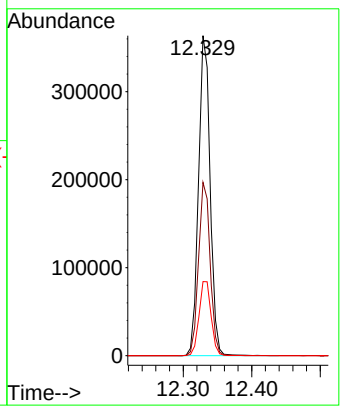




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

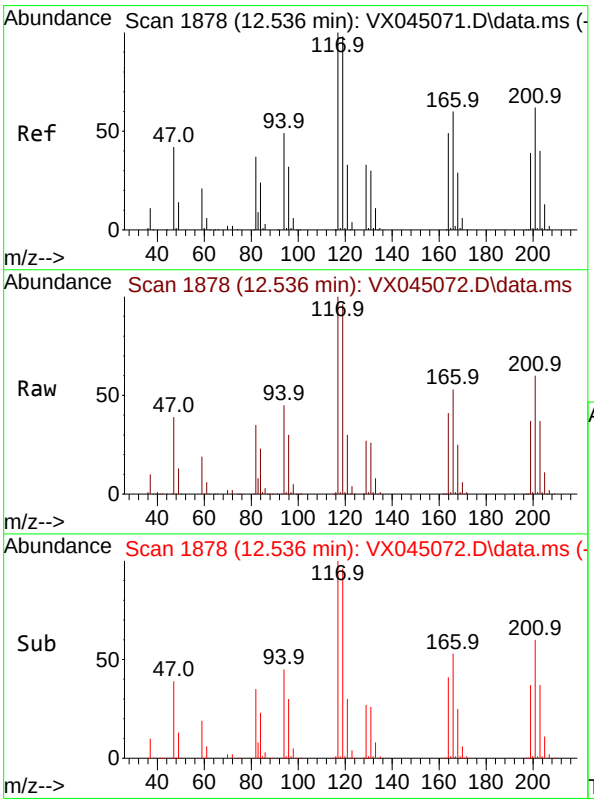
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

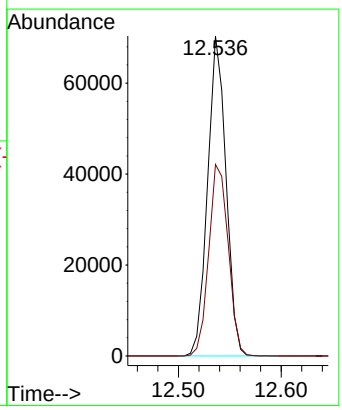
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

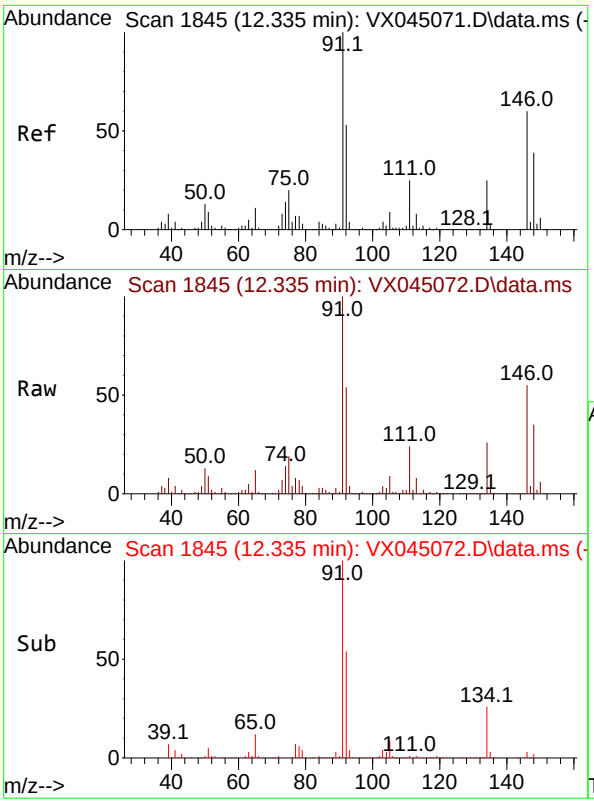


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

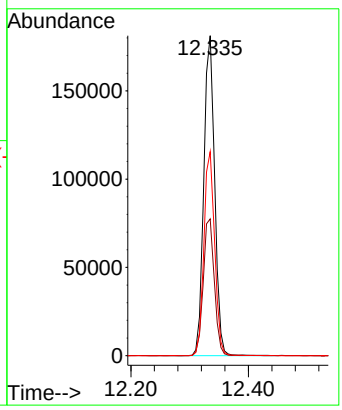




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

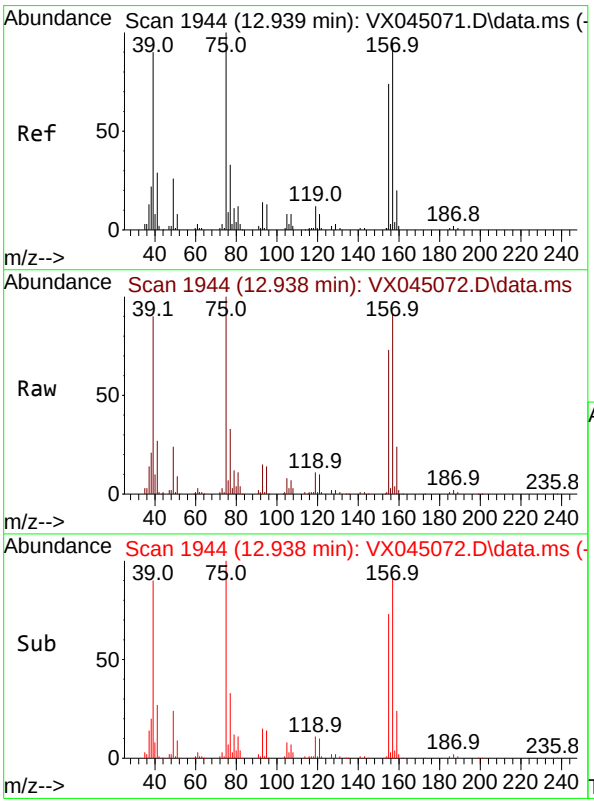
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

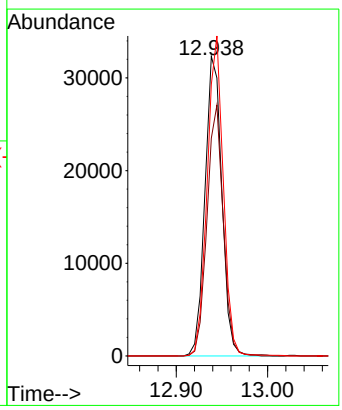
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

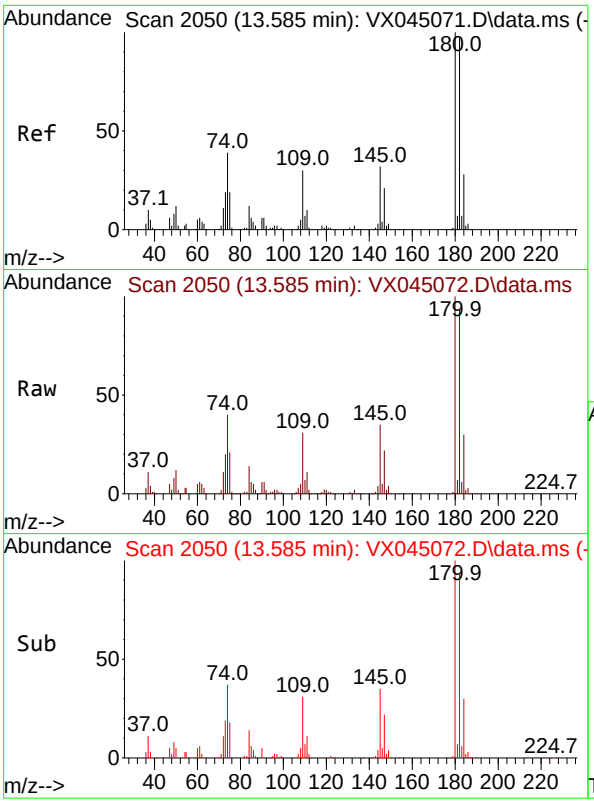


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4

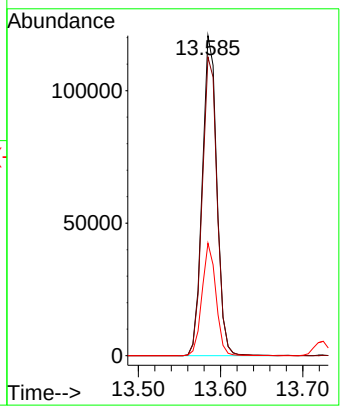




#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 14836

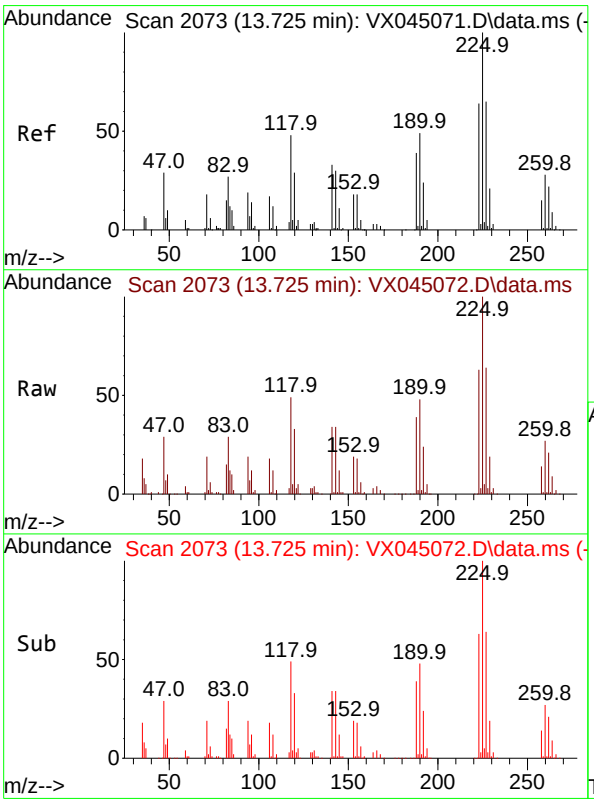
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

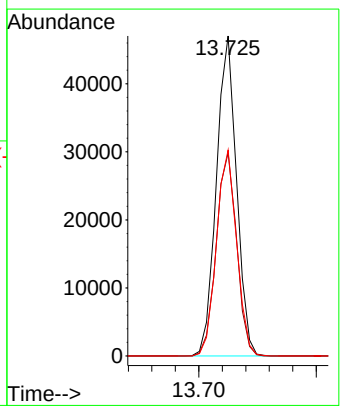
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

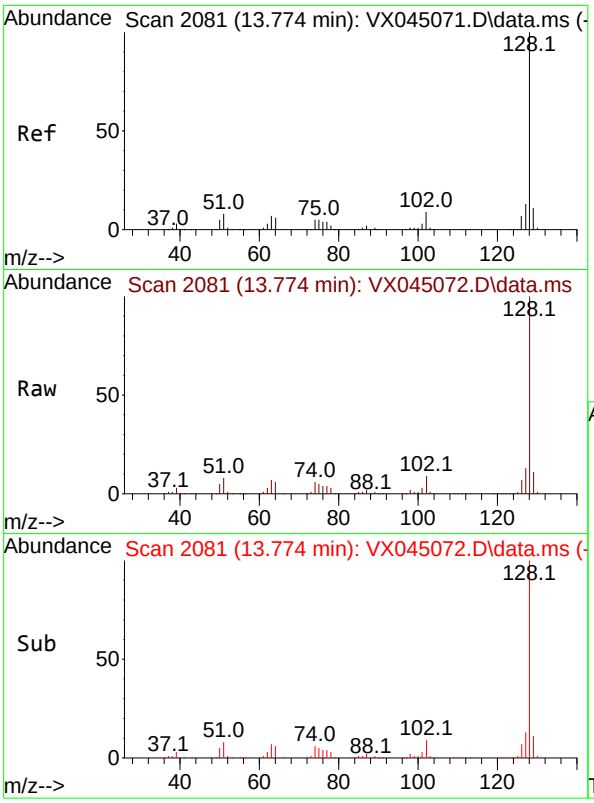


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0

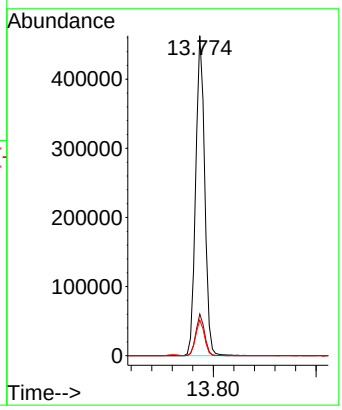




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

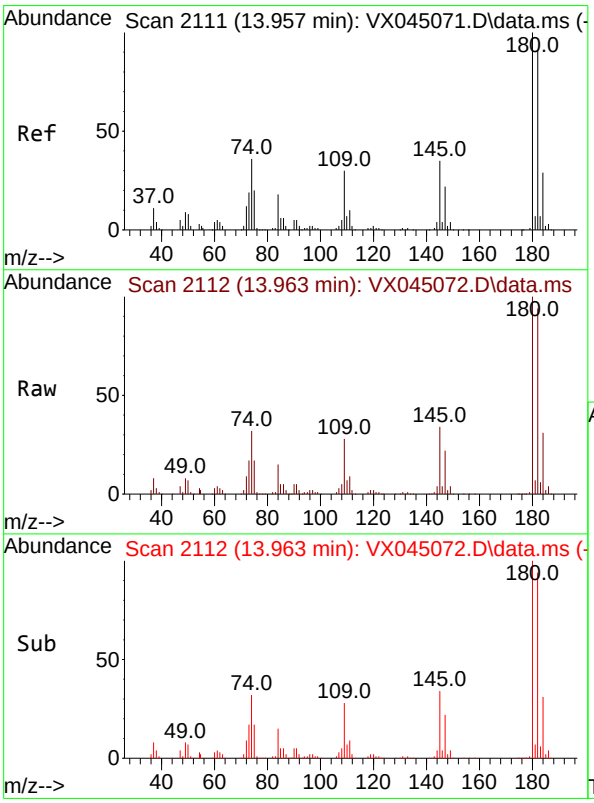
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

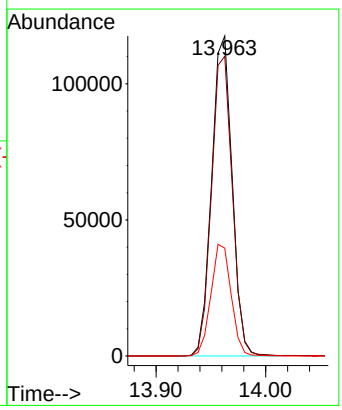
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088 ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872 ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804 ug/l		99
44) Trichloroethene	7.123	130	178483	150.181 ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334 ug/l		100
46) Dibromomethane	7.580	93	142119	157.443 ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492 ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370 ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423 ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051 ug/l		99
52) Toluene	8.714	92	448664	145.321 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373 ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117 ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046 ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631 ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019 ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492 ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276 ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074 ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906 ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845 ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191 ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655 ug/l		97
69) o-Xylene	10.640	106	302495	143.259 ug/l		99
70) Styrene	10.653	104	512379	150.979 ug/l		99
71) Bromoform	10.799	173	135388	174.808 ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719 ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960 ug/l		
77) Bromobenzene	11.195	156	180997	145.760 ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395 ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761 ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464 ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135 ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383 ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488 ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189 ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324 ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416 ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034 ug/l		99
95) Naphthalene	13.774	128	828949	168.538 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

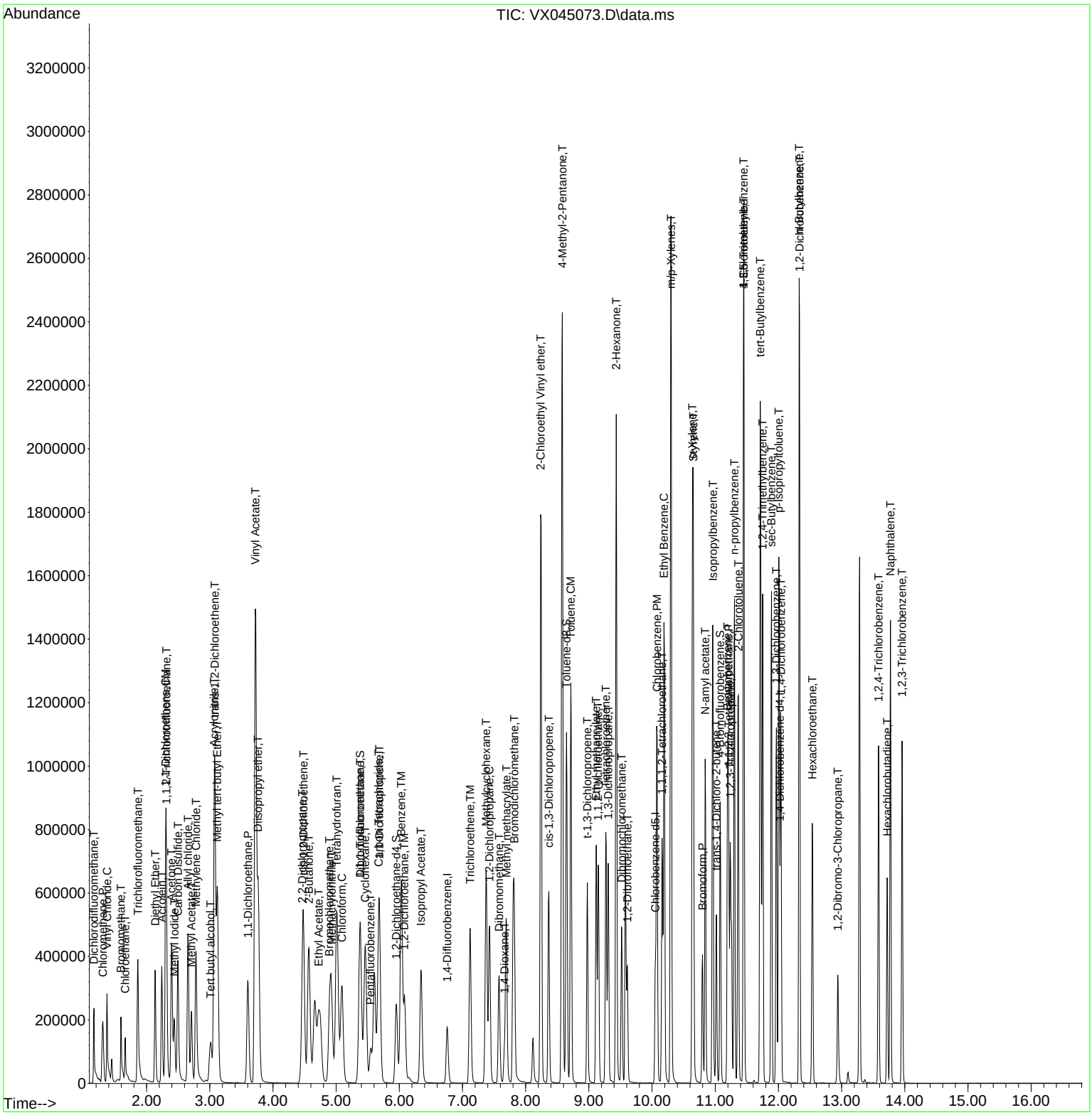
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

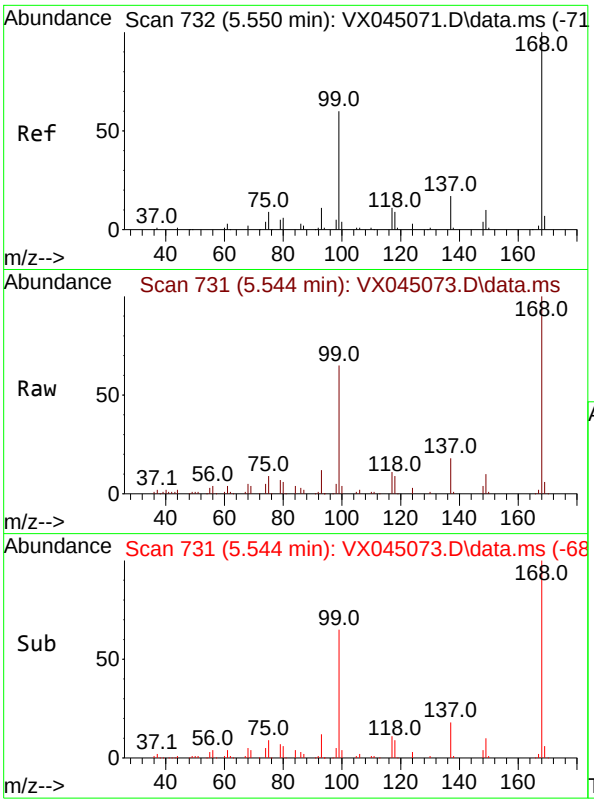
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

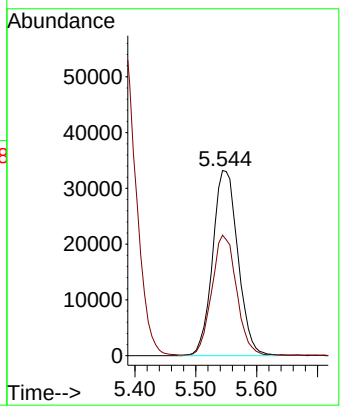




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

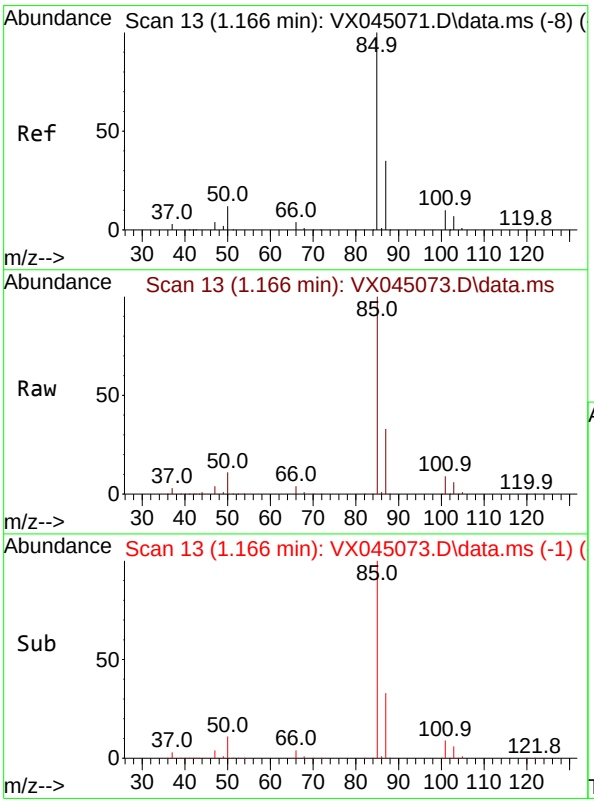
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

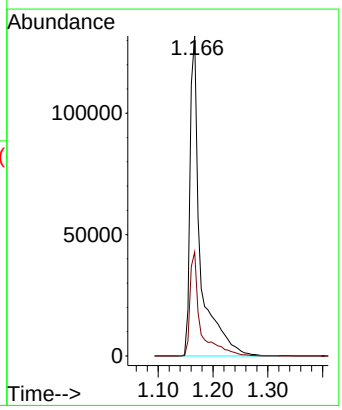
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

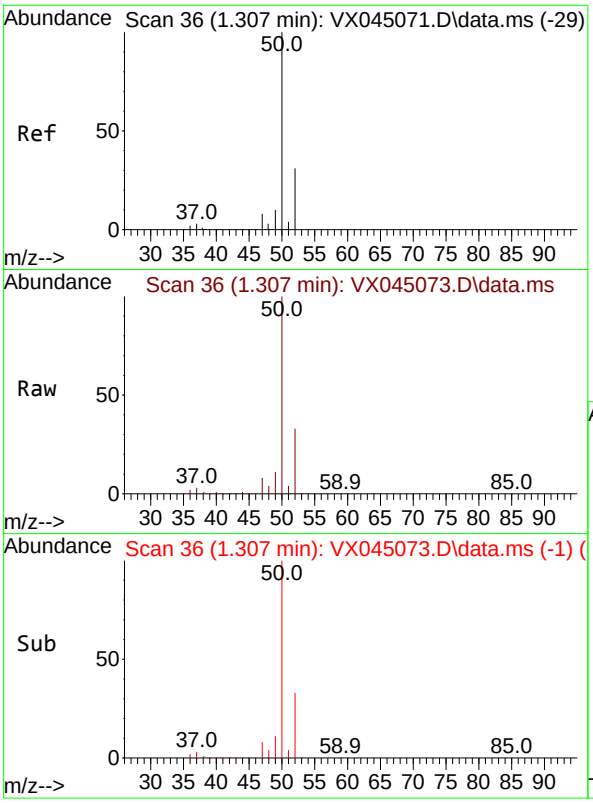


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3





#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

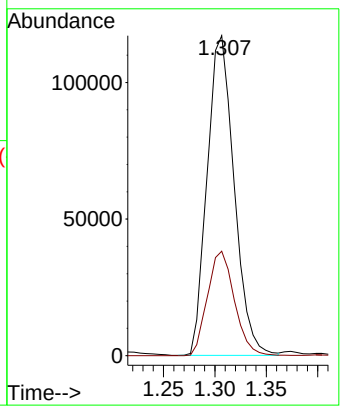
Tgt Ion: 50 Resp: 21370

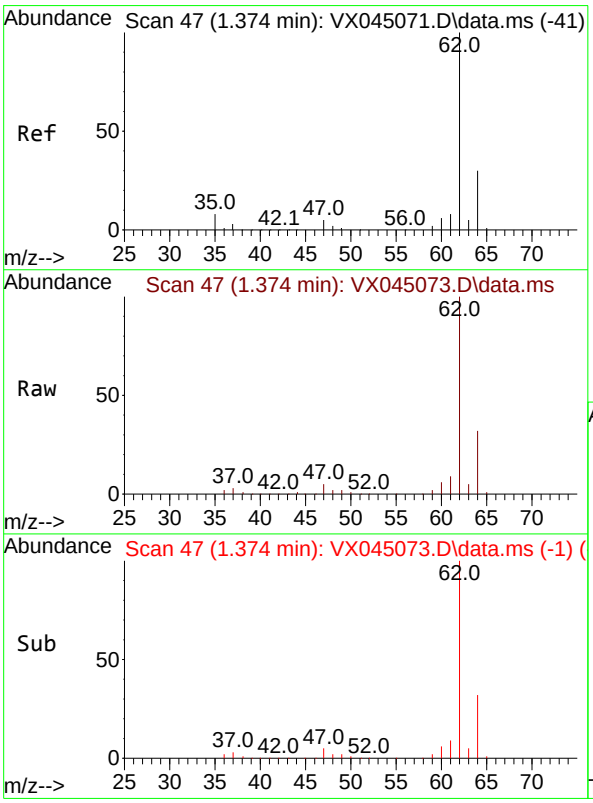
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

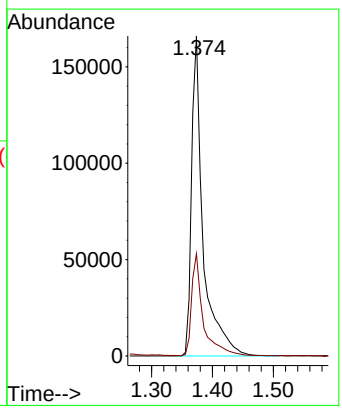


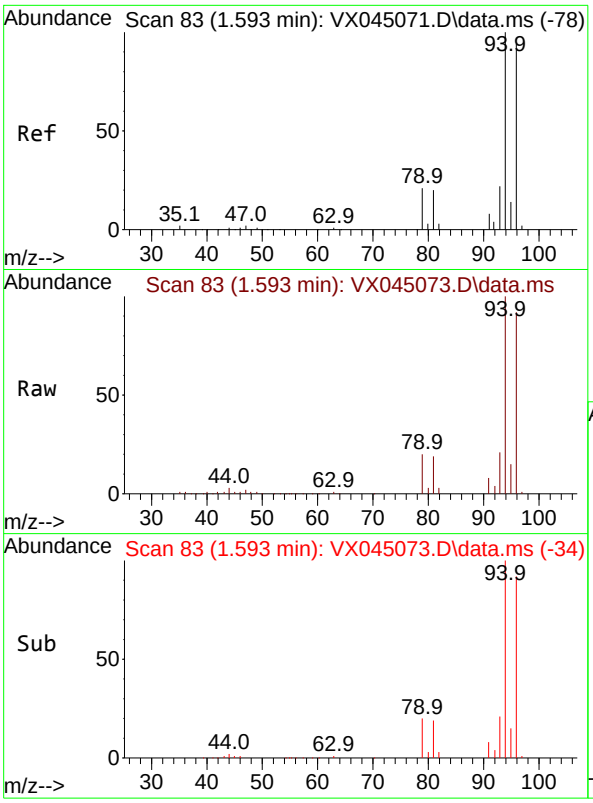


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5

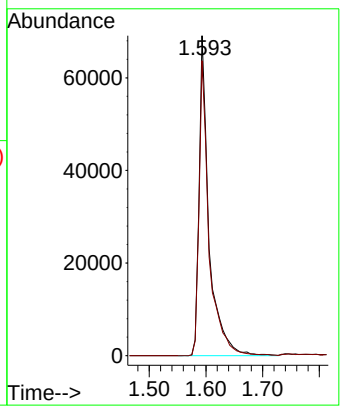




#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 94 Resp: 8354

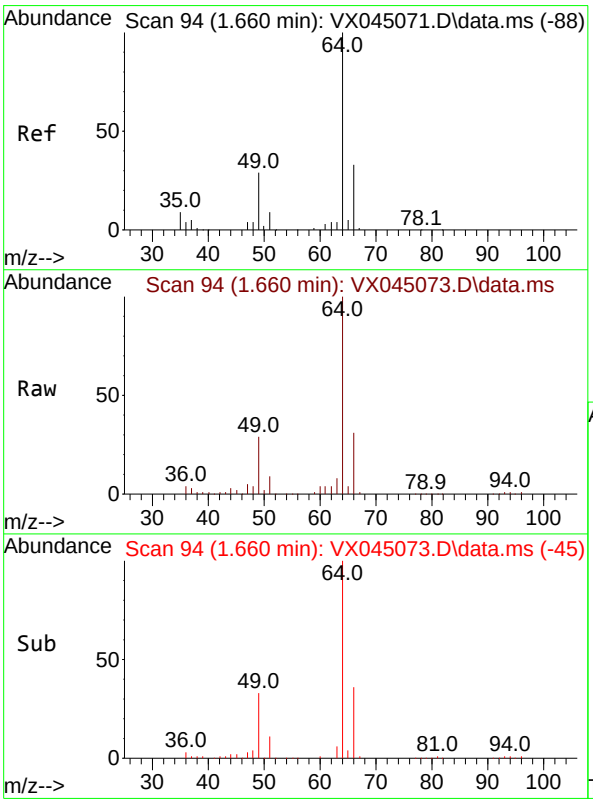
Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

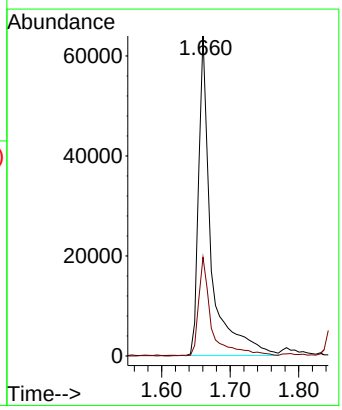
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

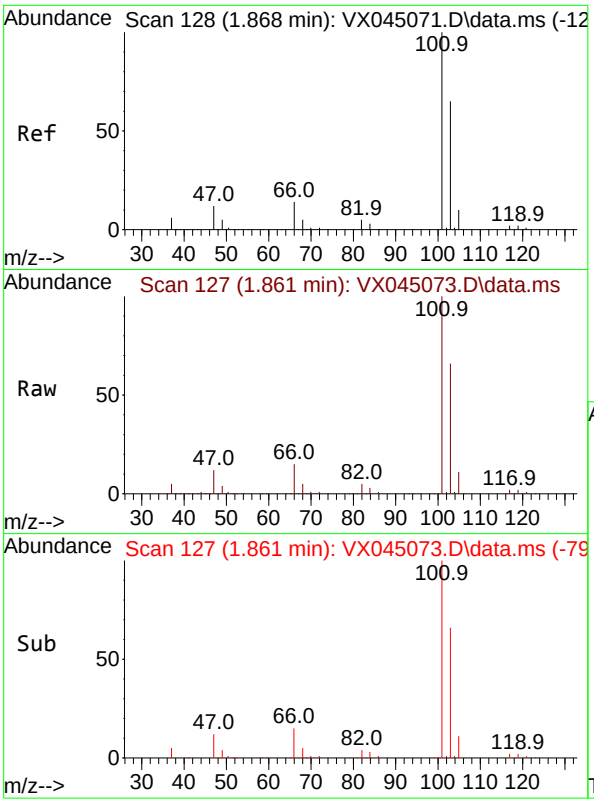


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

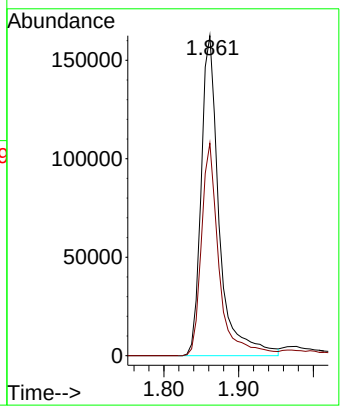




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

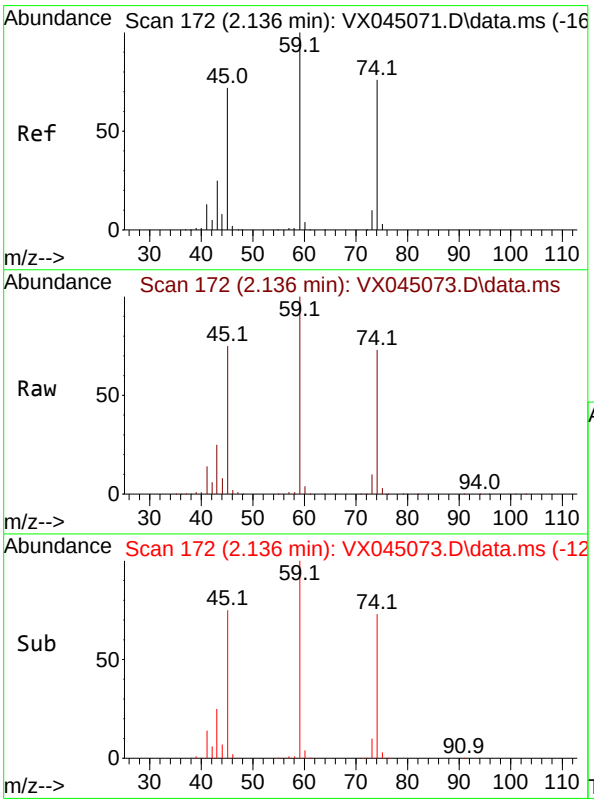
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

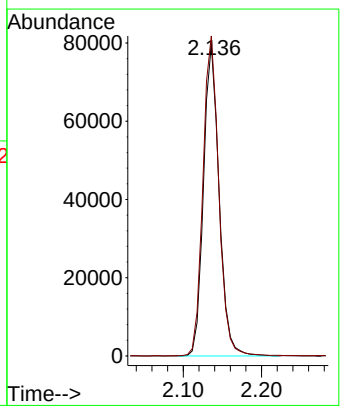
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

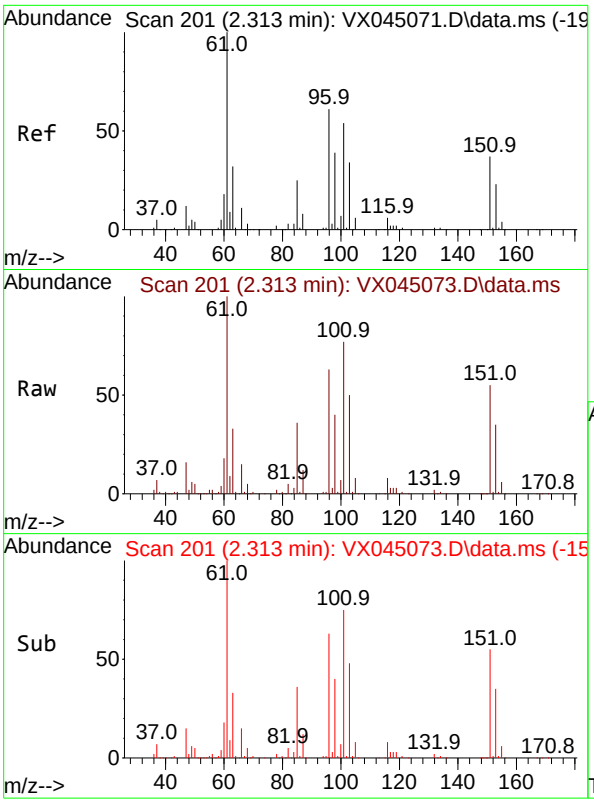


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

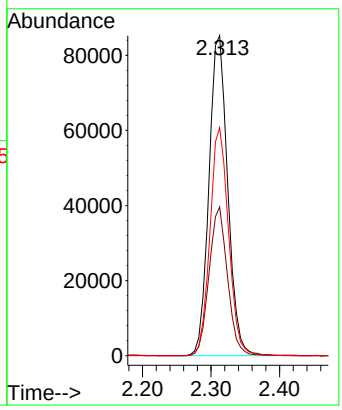
Tgt Ion:101 Resp: 16182

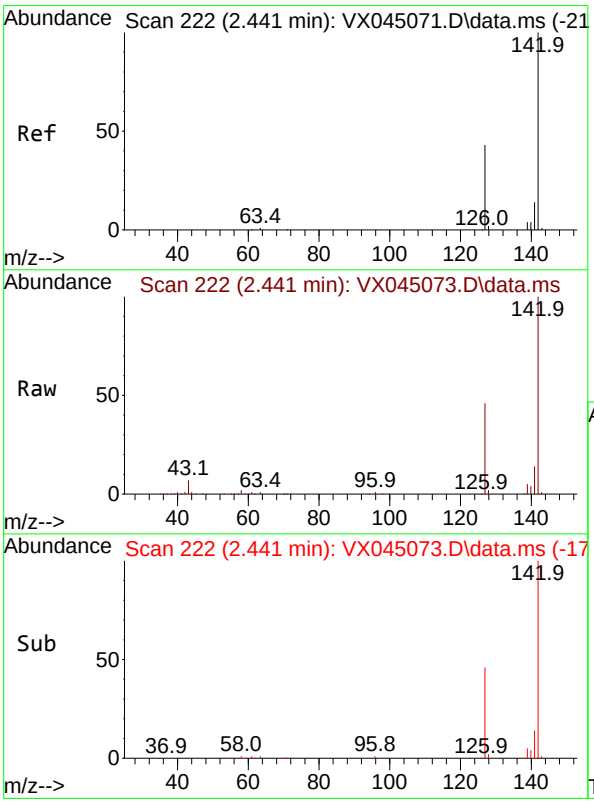
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

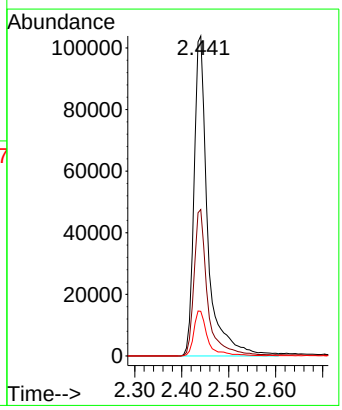


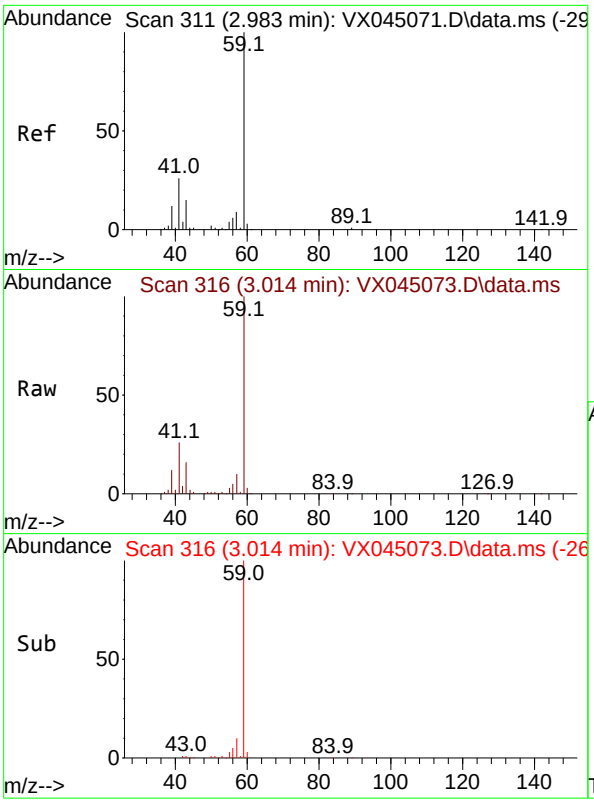


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4

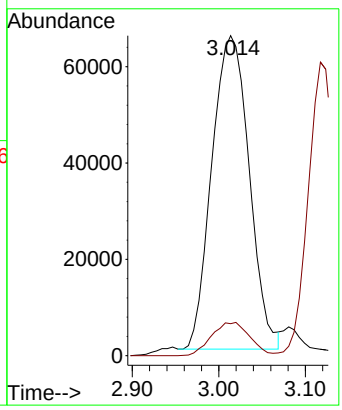




#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 59 Resp: 19541

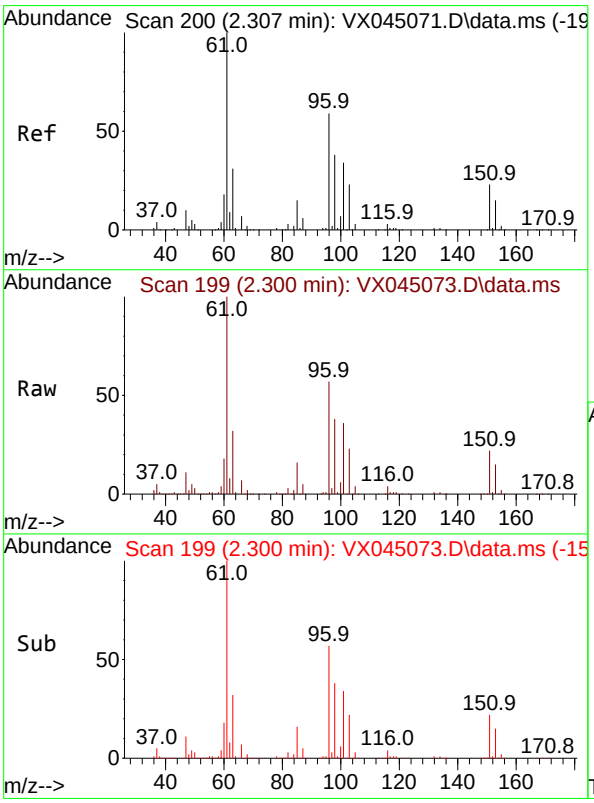
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

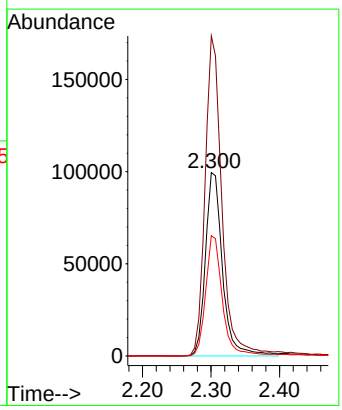
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

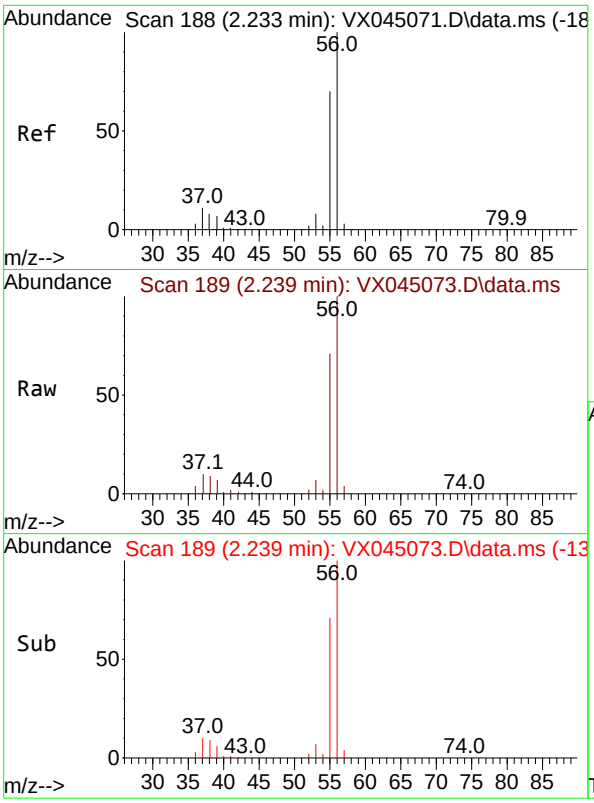


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6

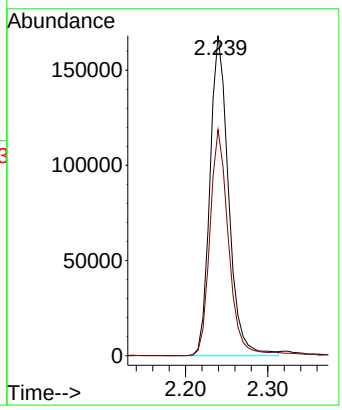




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

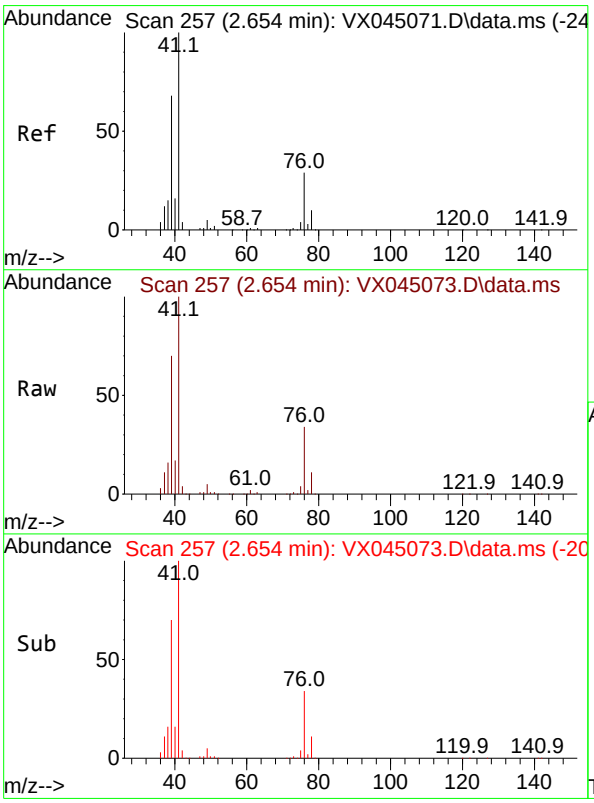
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

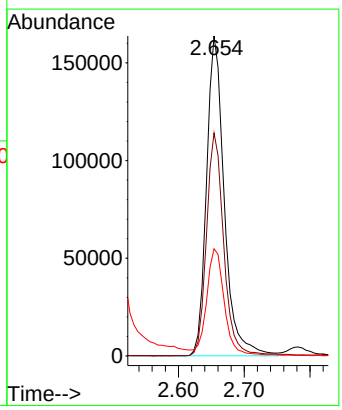
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

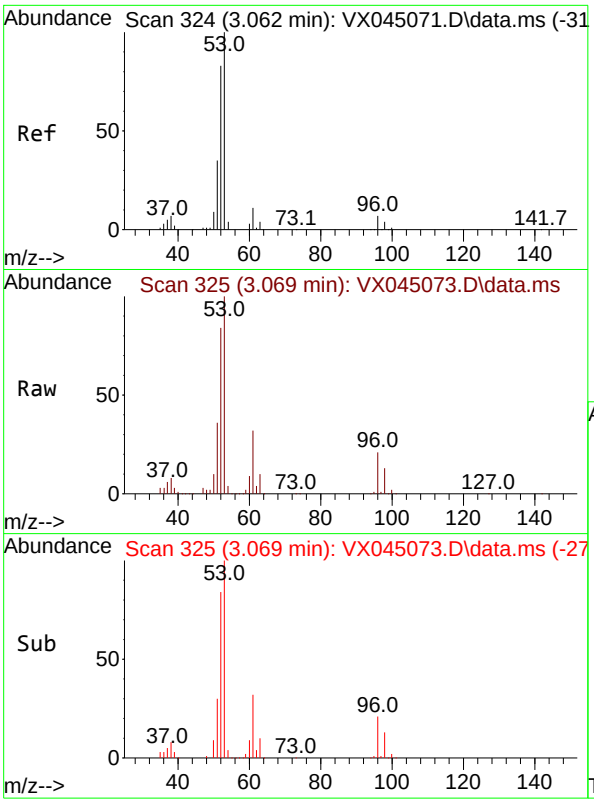


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8

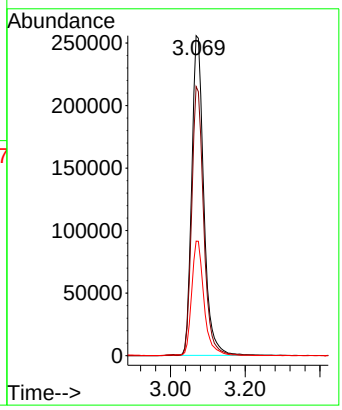




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

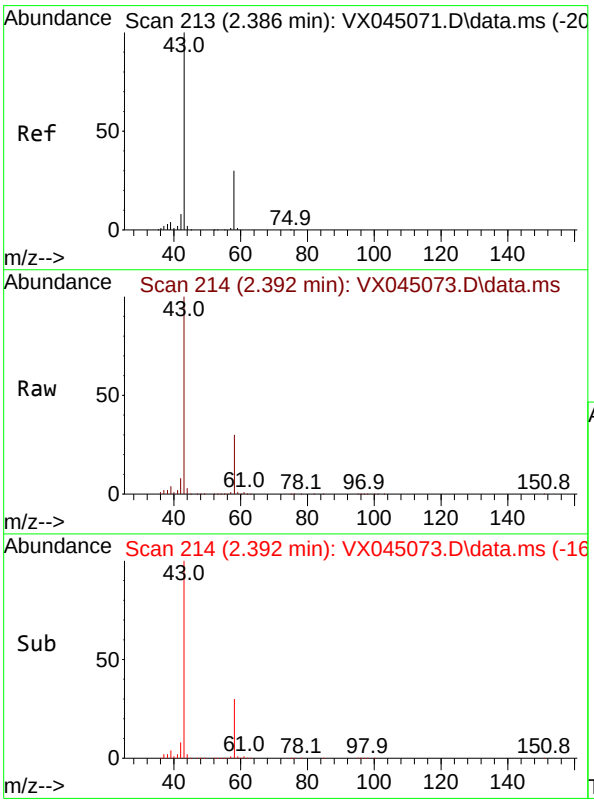
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

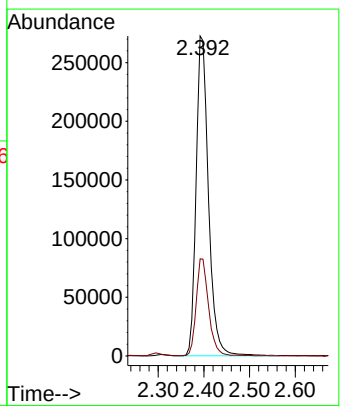
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

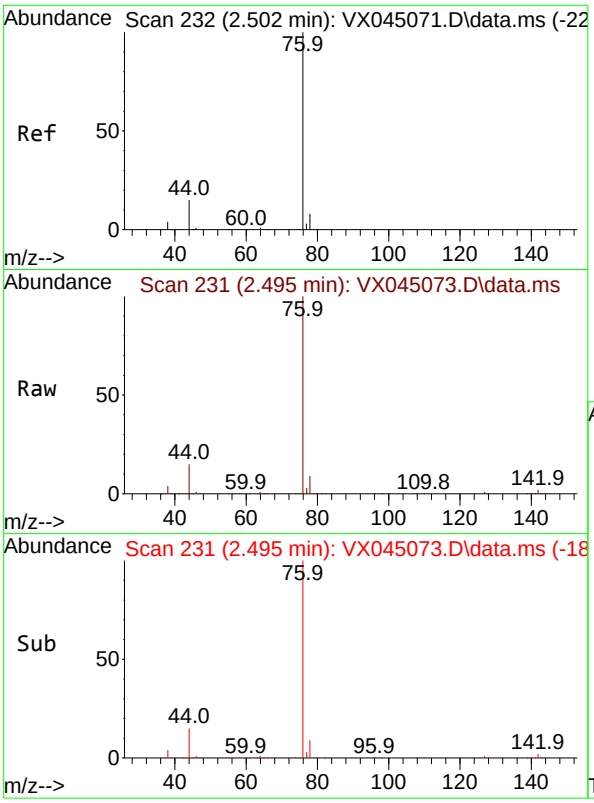


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

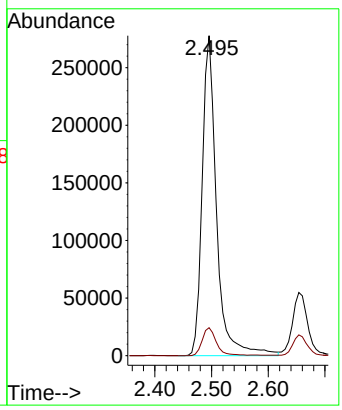




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

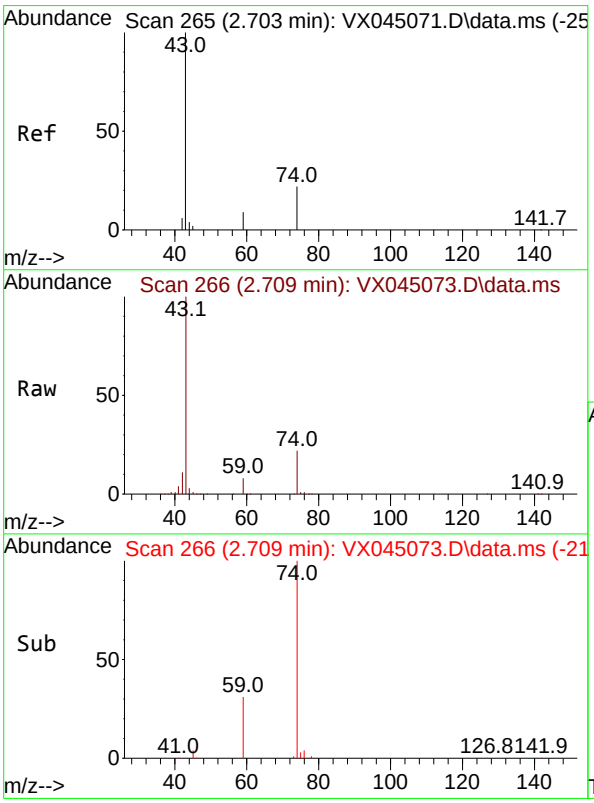
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

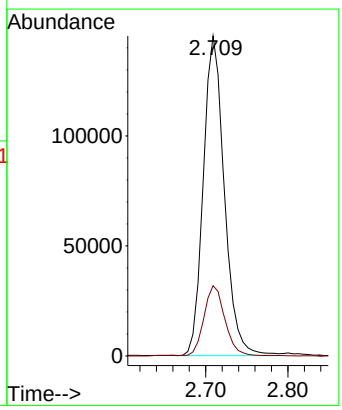
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

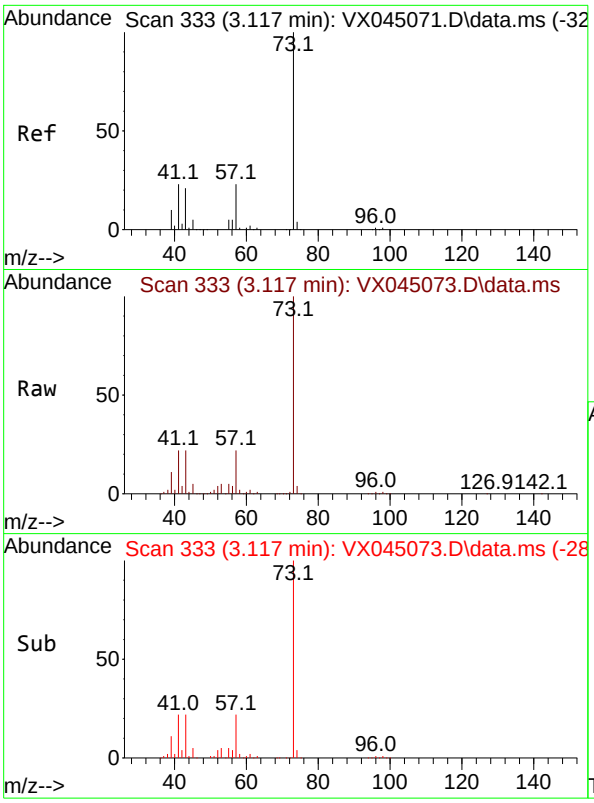


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

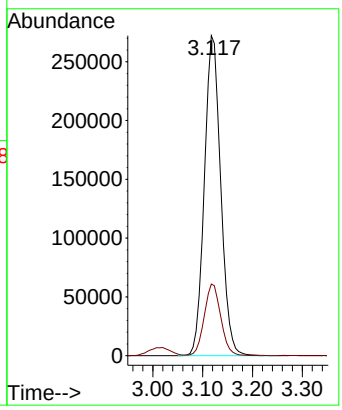




#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 73 Resp: 61977

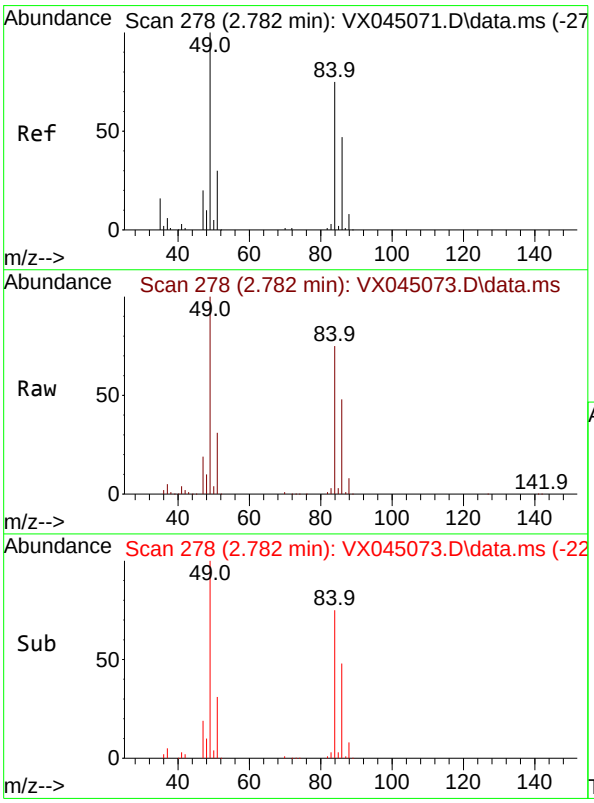
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

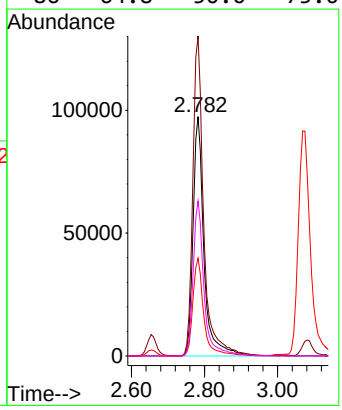
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

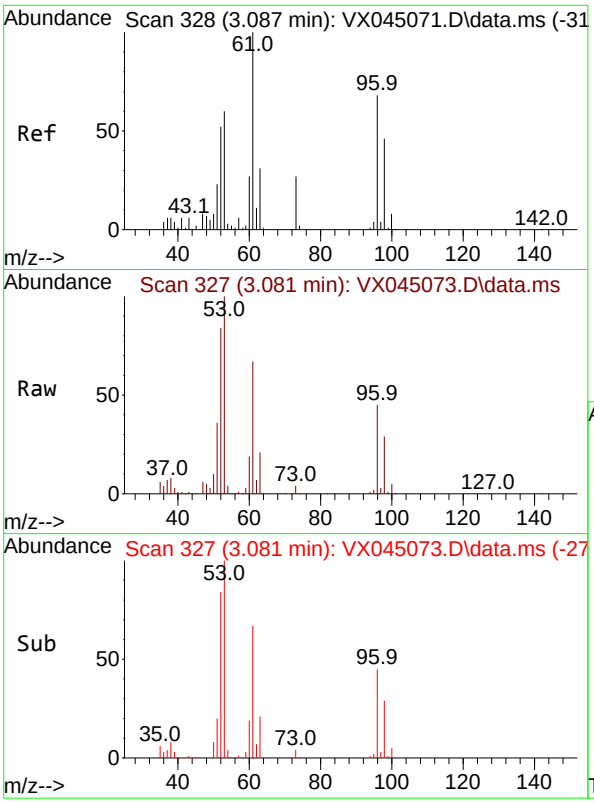


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0

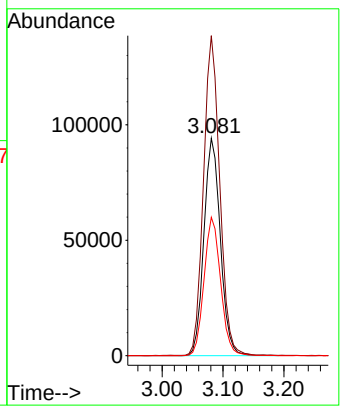




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

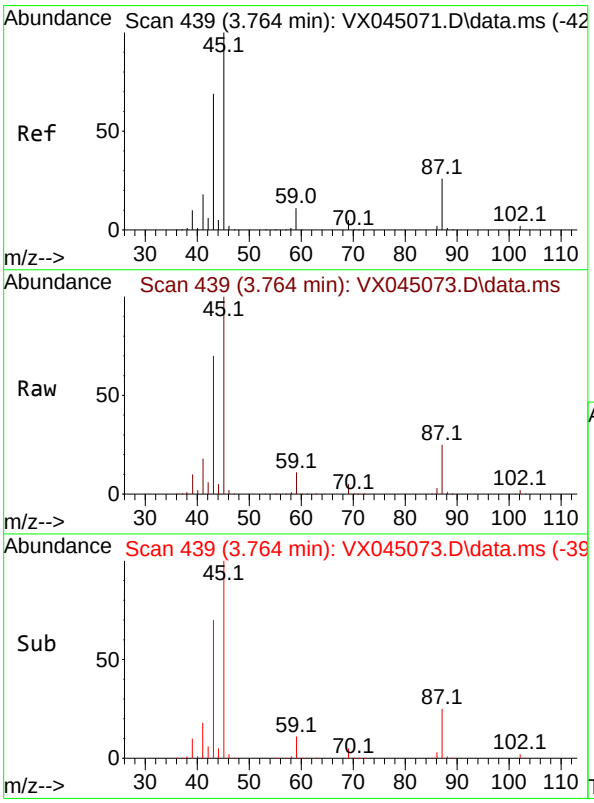
Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

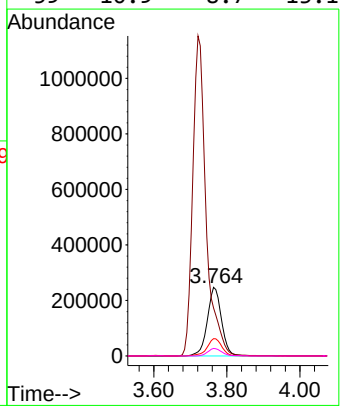
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

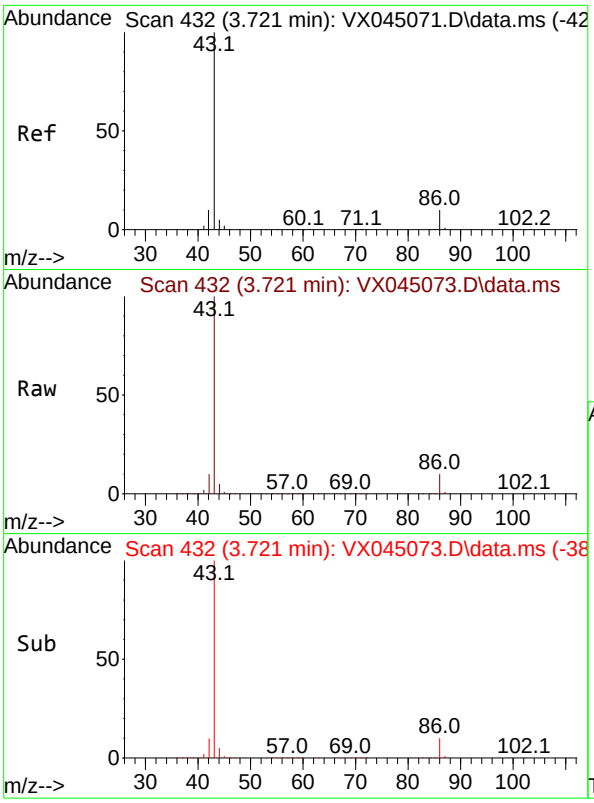


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

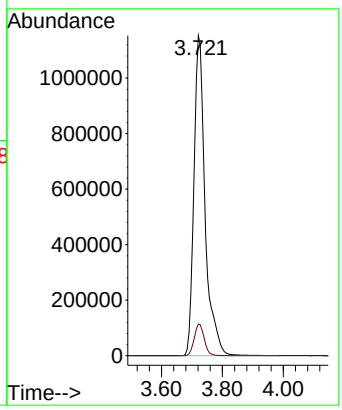
Tgt Ion: 43 Resp: 294315

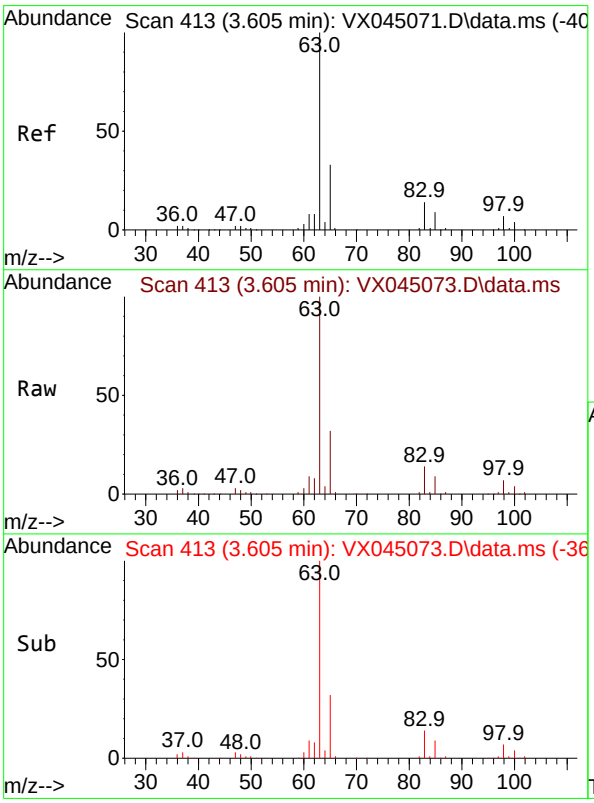
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

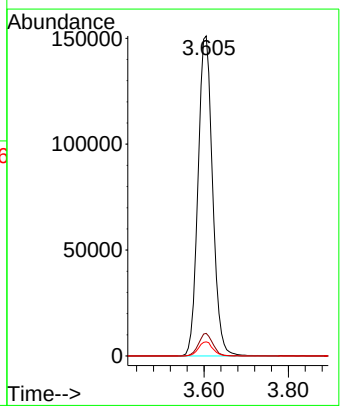


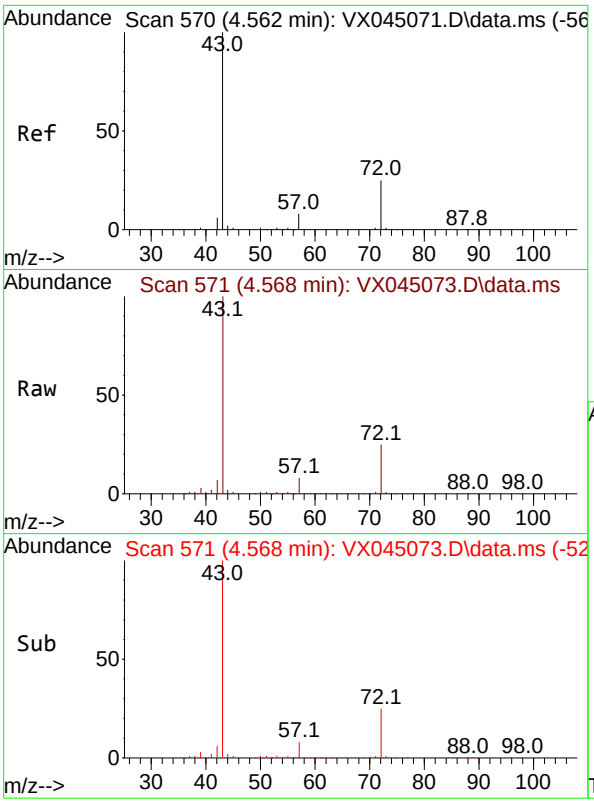


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5

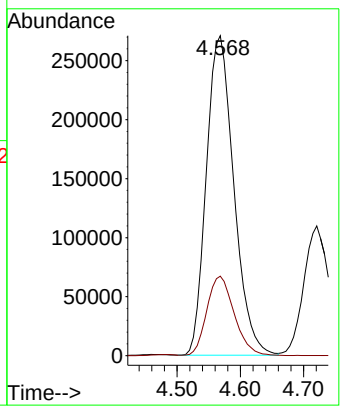




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

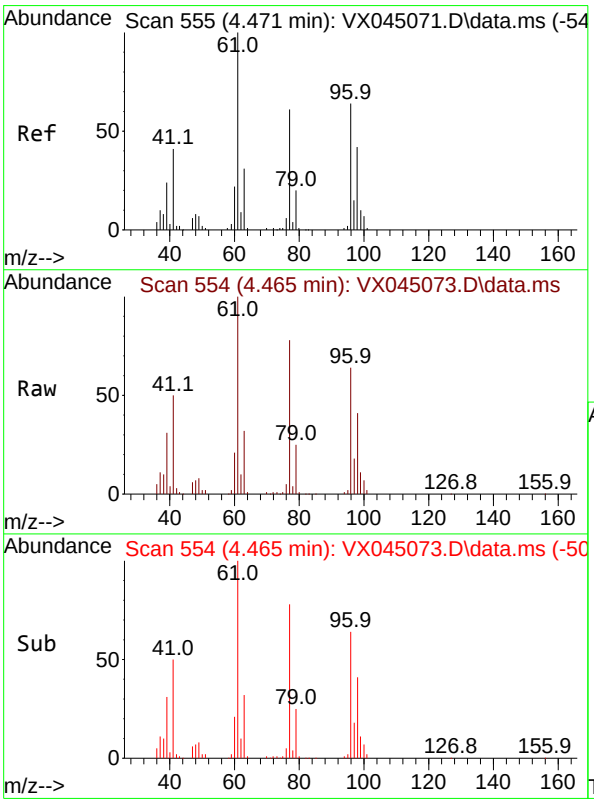
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

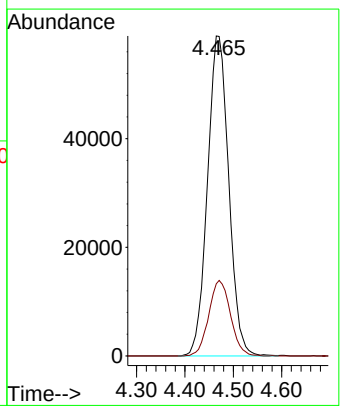
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

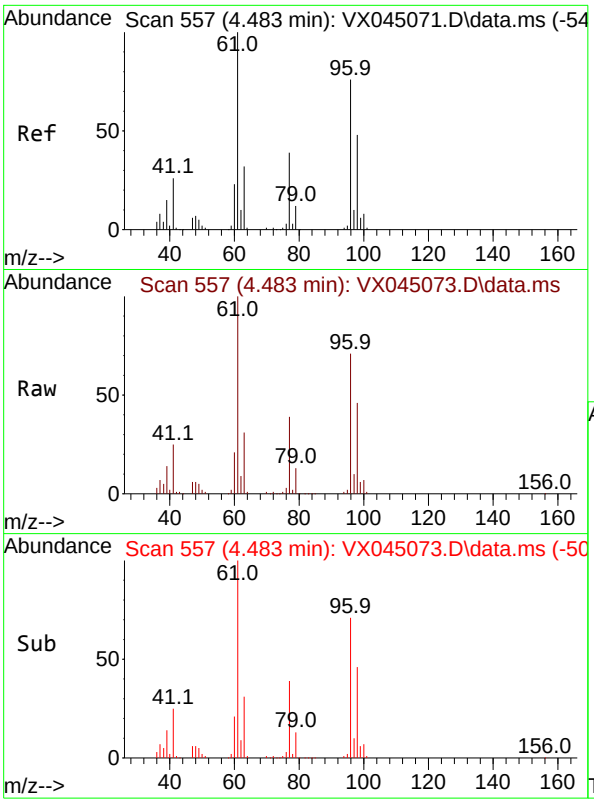


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

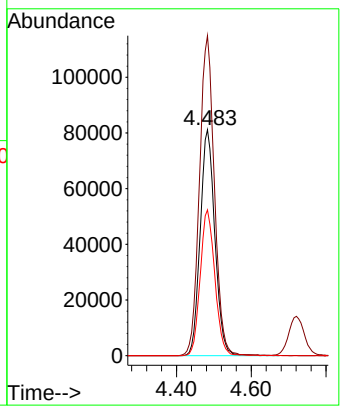




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

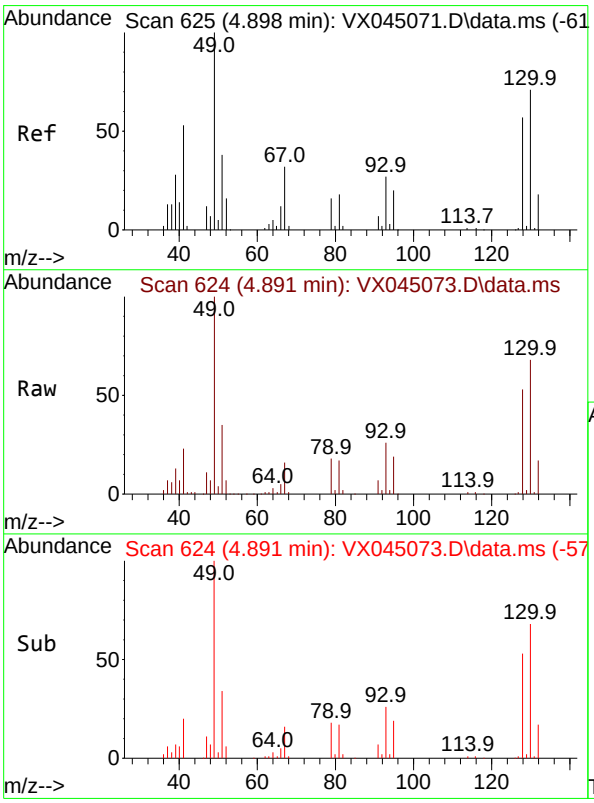
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

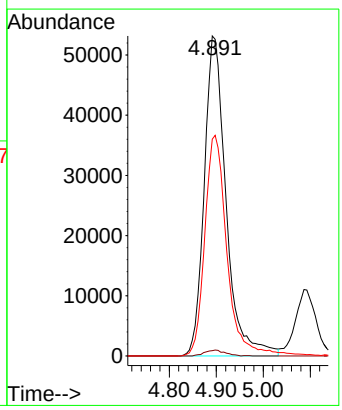
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

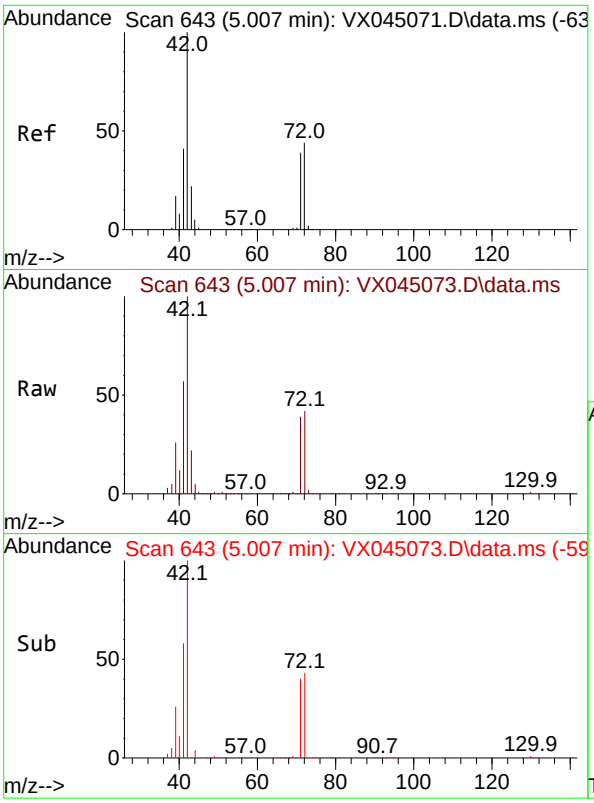


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1





#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

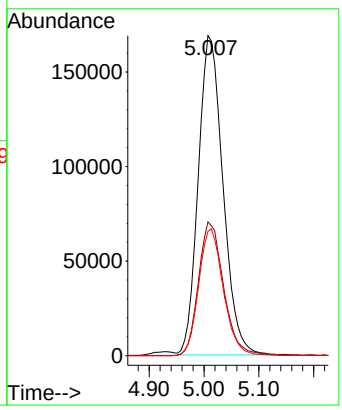
Tgt Ion: 42 Resp: 52857

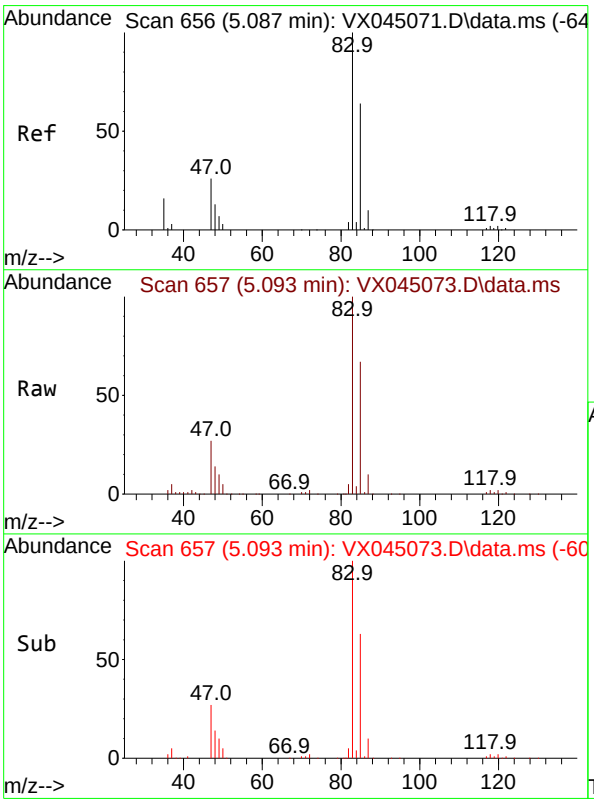
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

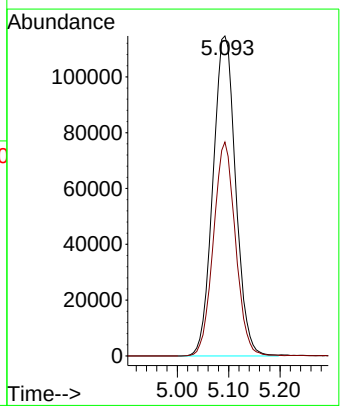


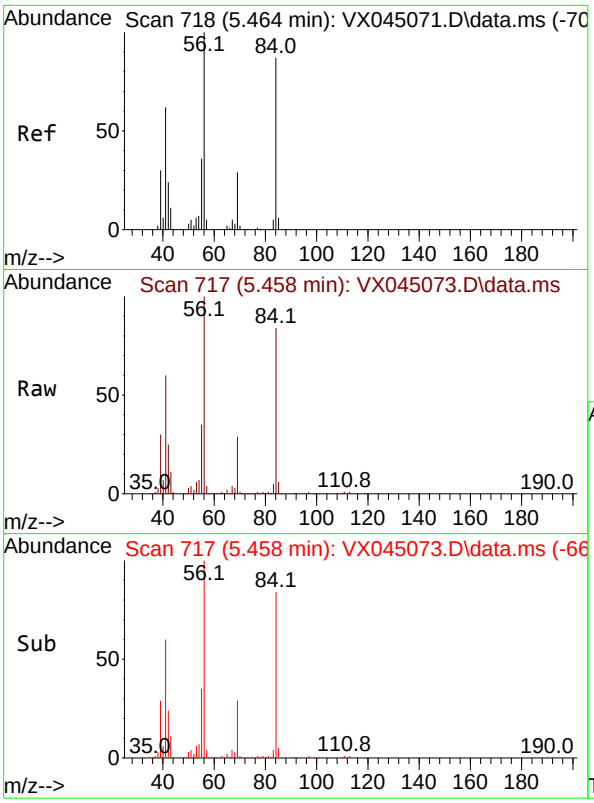


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

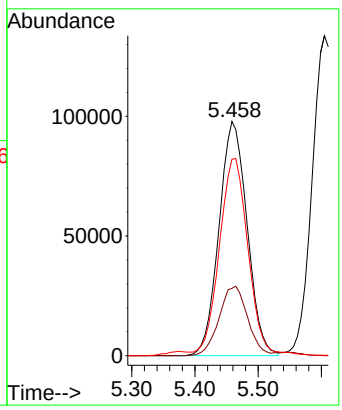




#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 30221

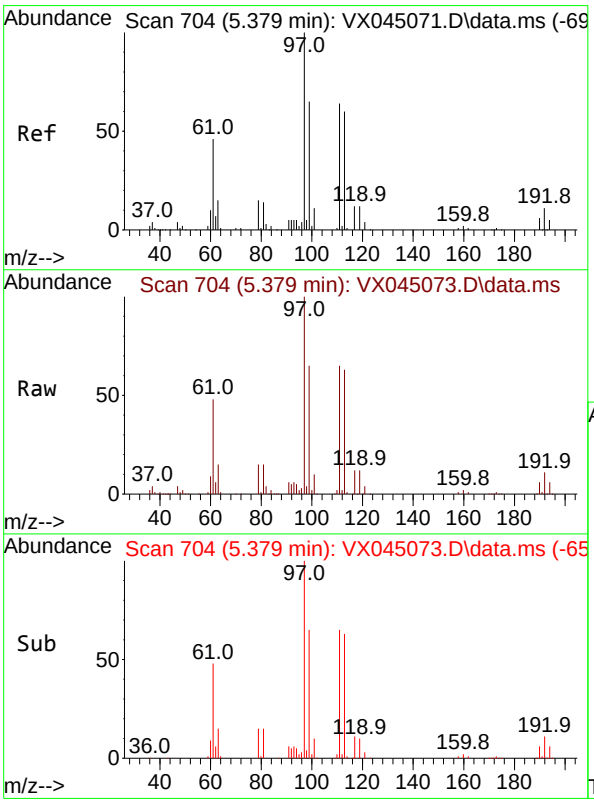
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

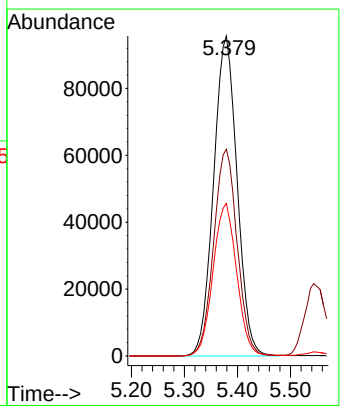
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

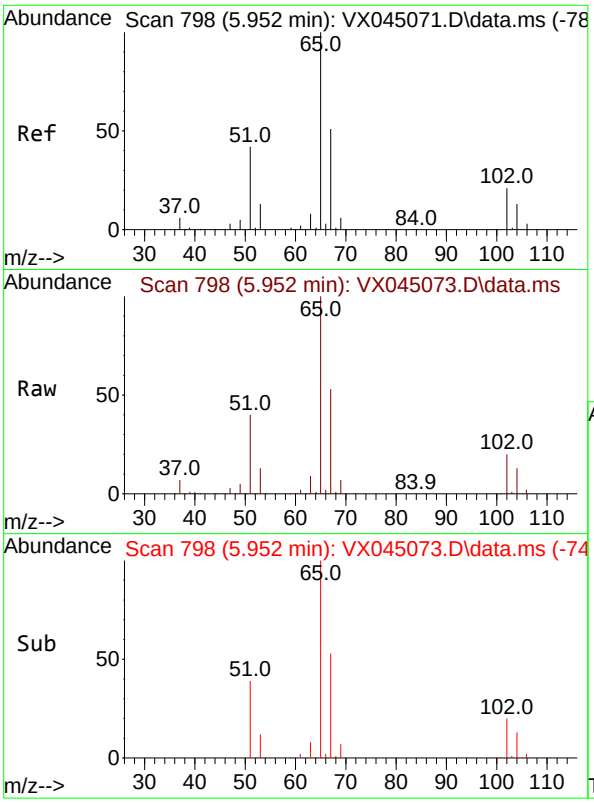


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6

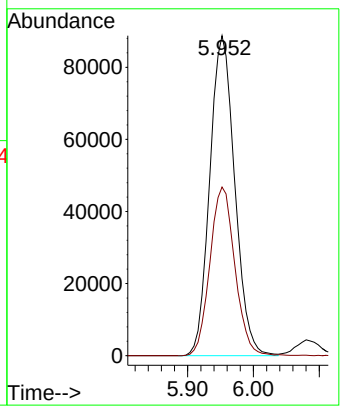




#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

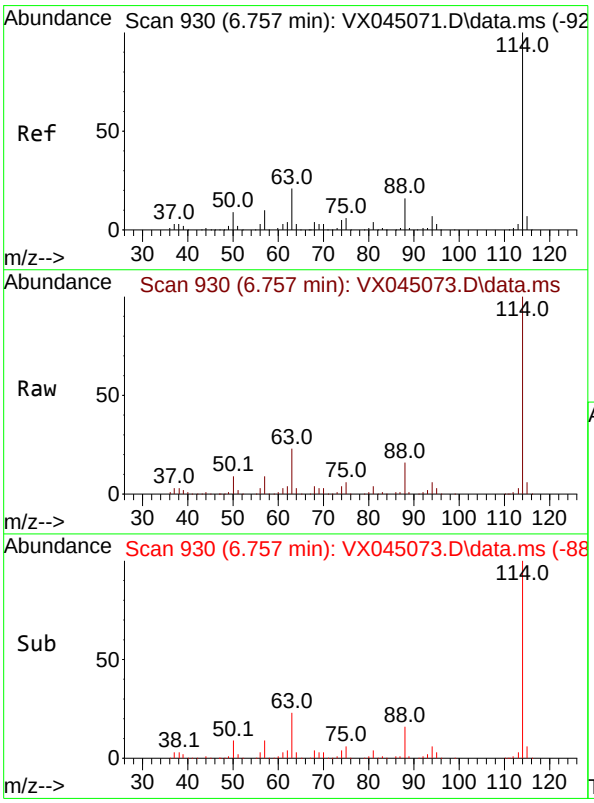
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

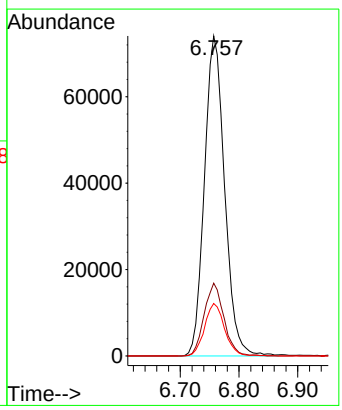
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

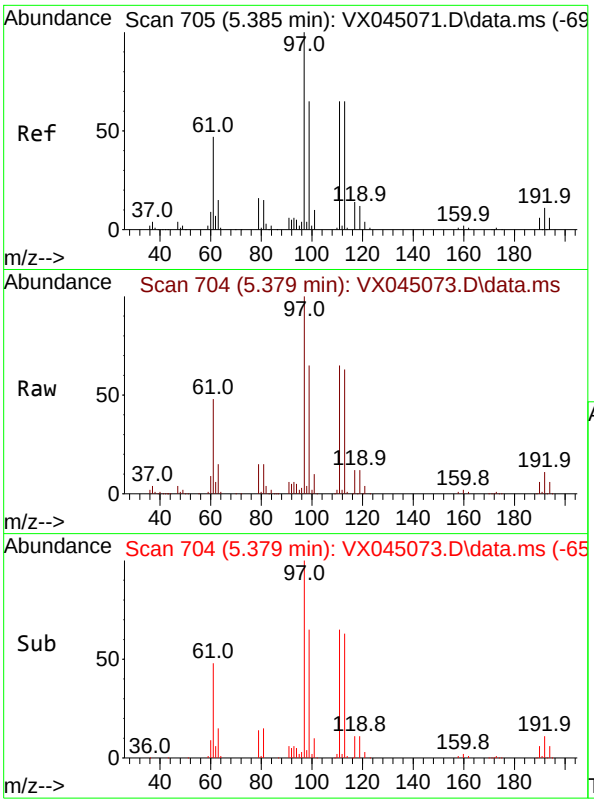


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8

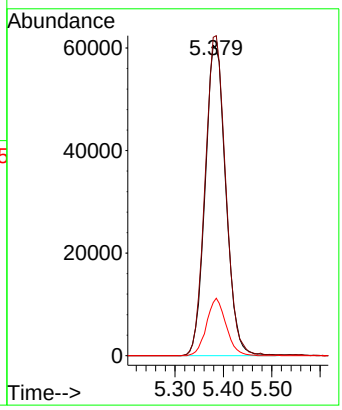




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

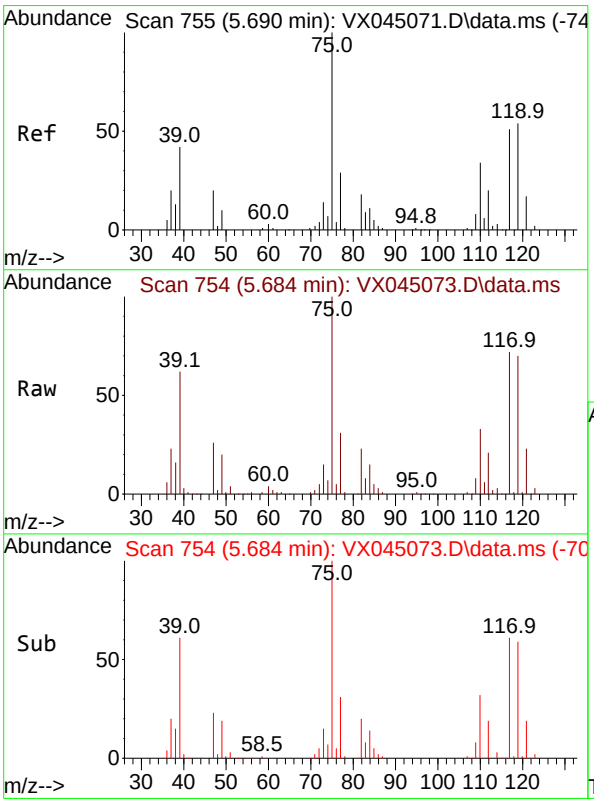
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

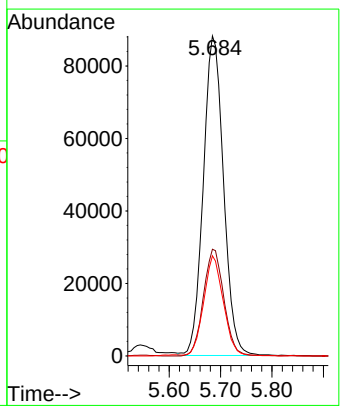
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

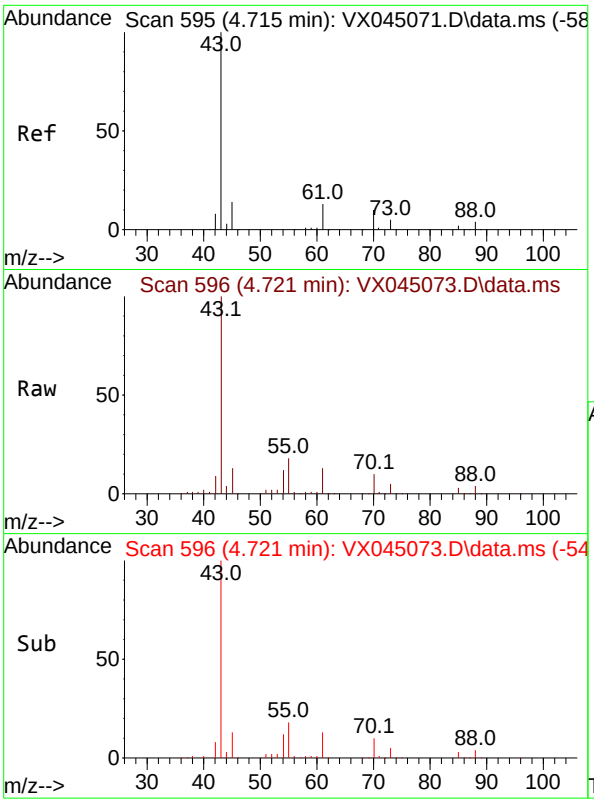


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7

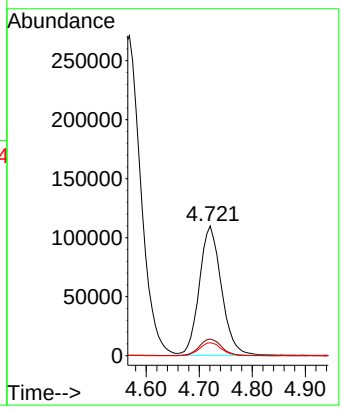




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

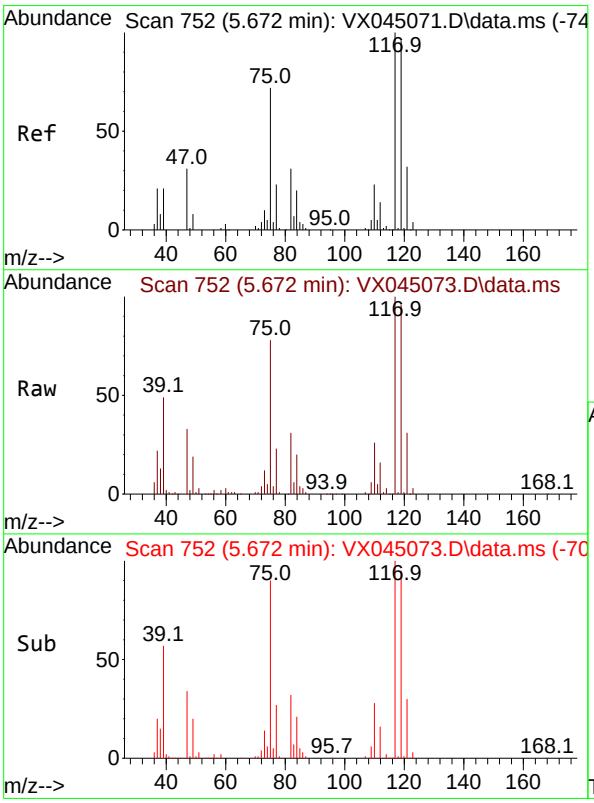
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

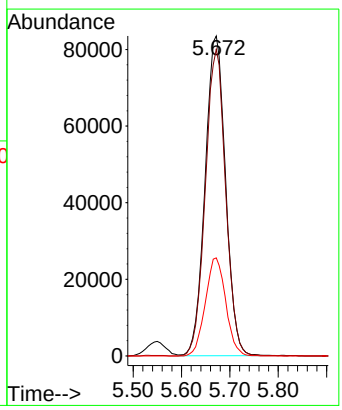
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

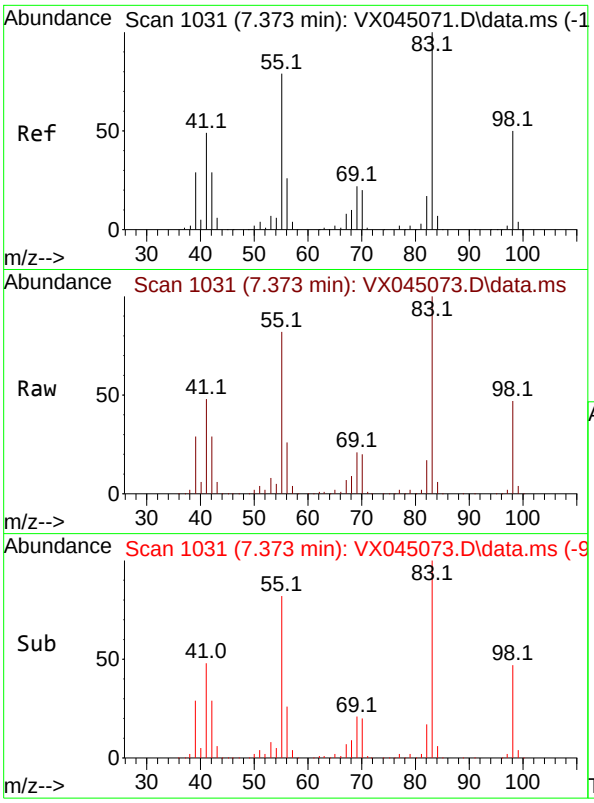


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3

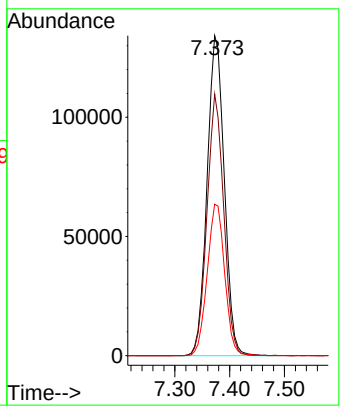




#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 29221(

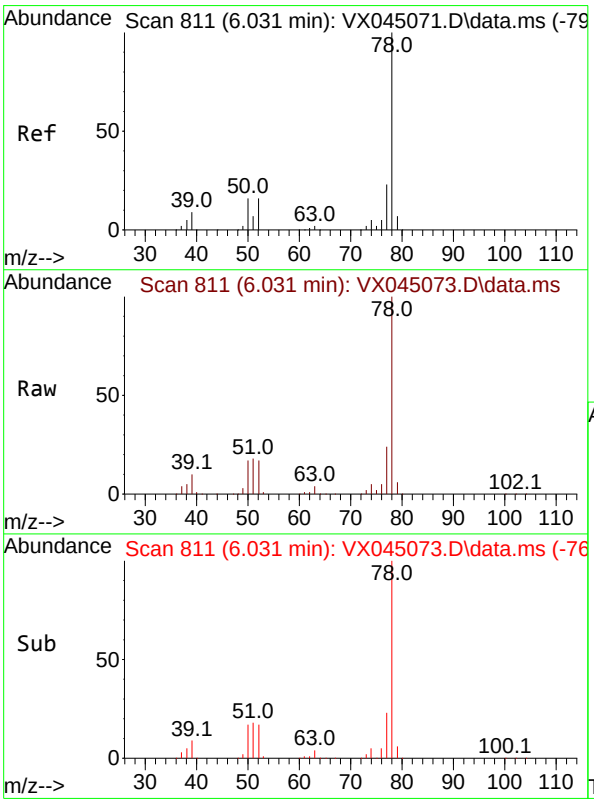
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

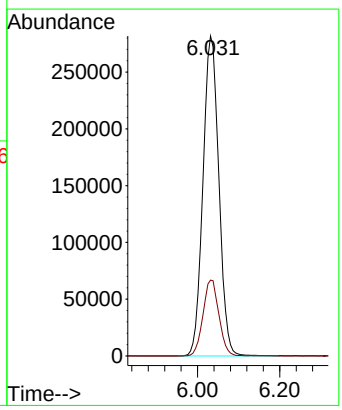
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

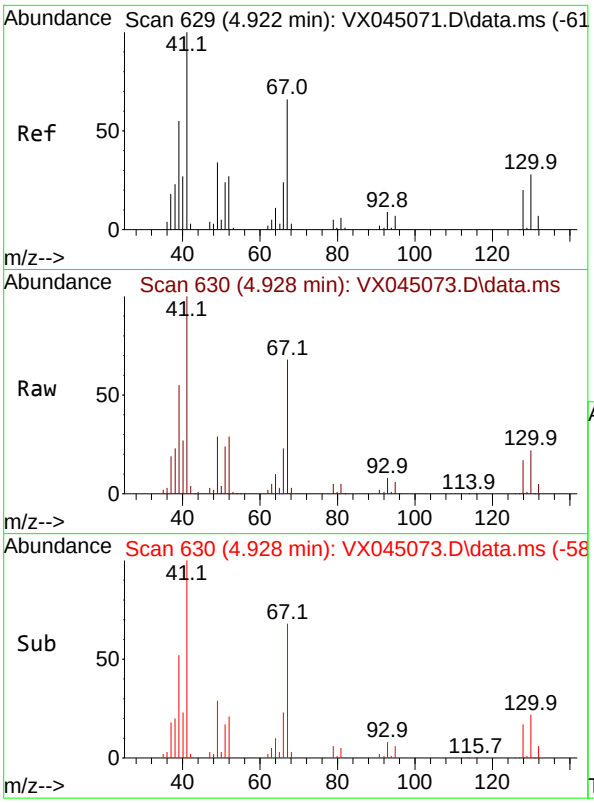


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

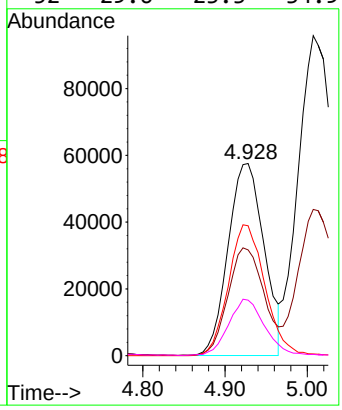




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

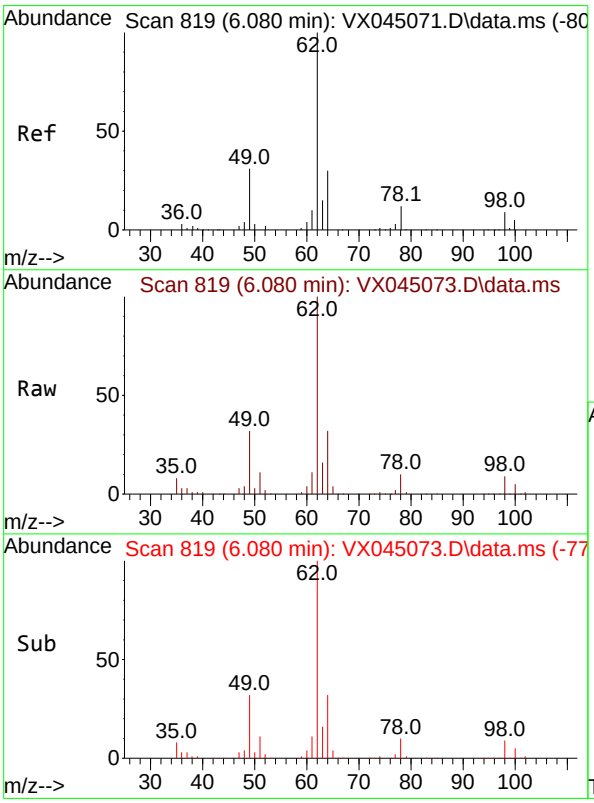
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

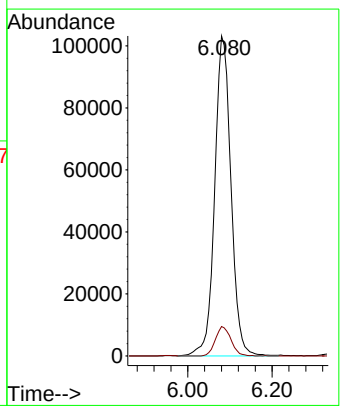
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

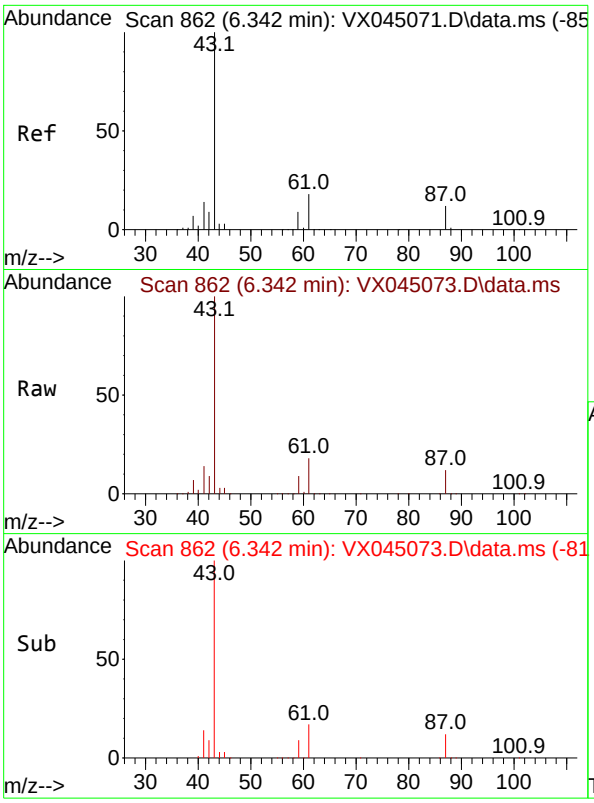


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

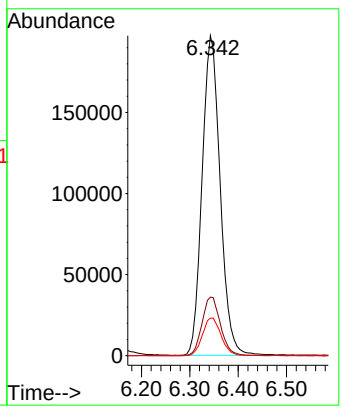
Tgt Ion: 43 Resp: 51164

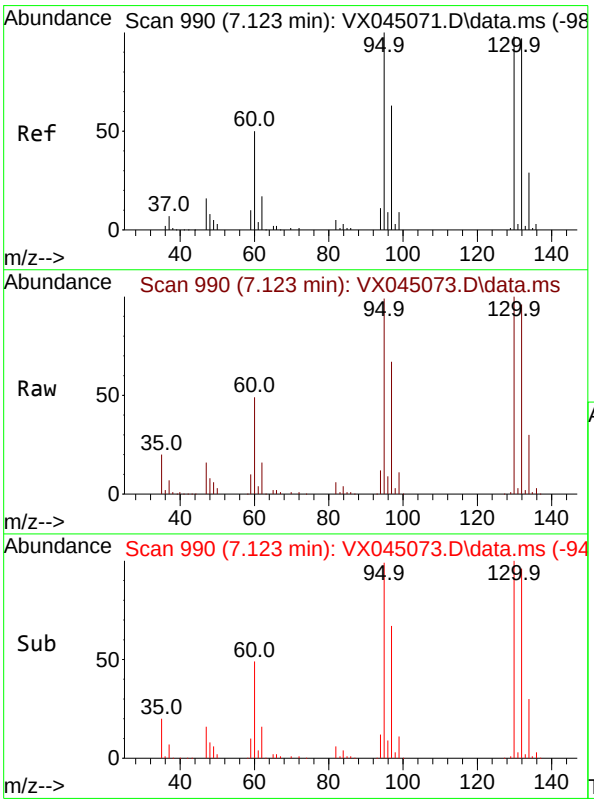
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

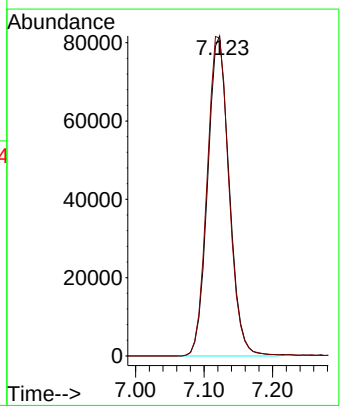


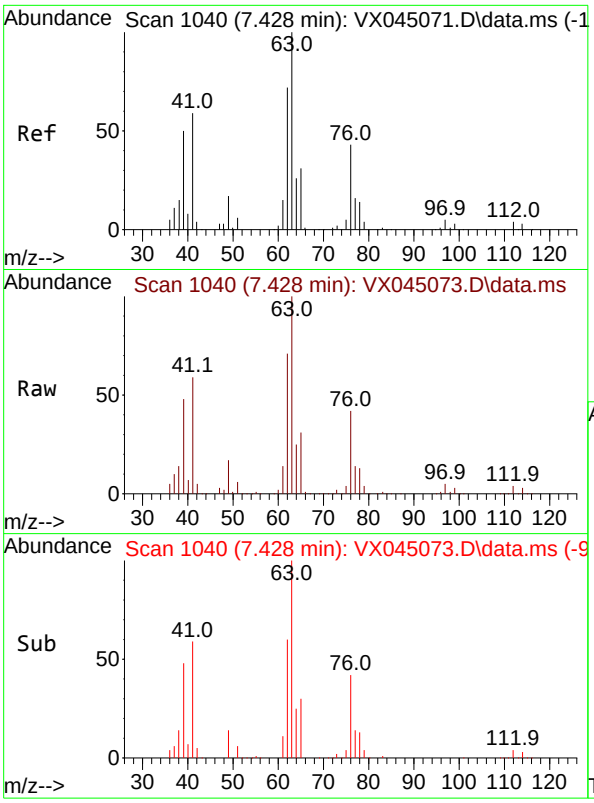


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0

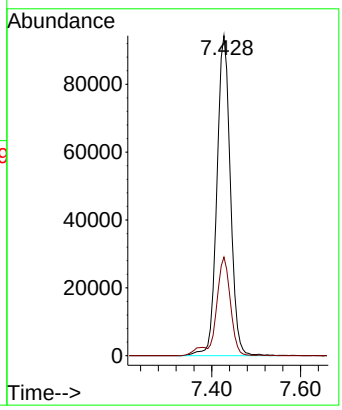




#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 19813

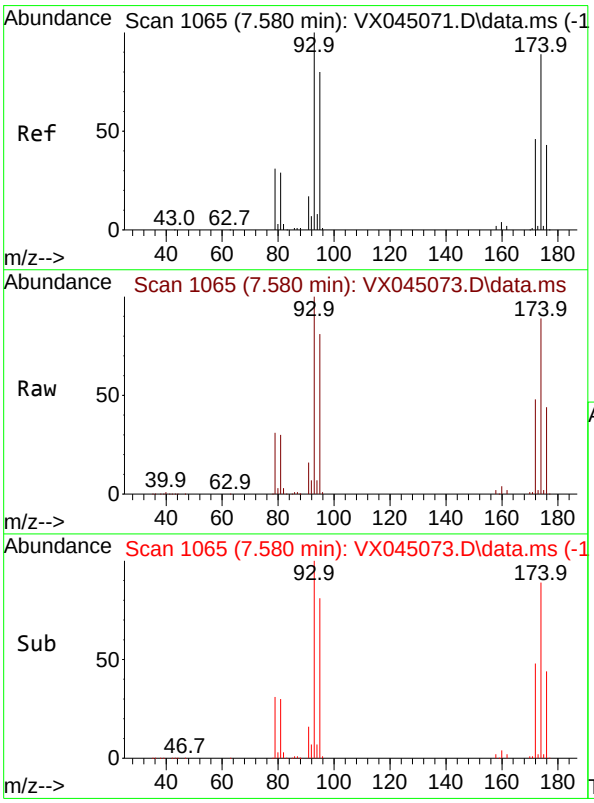
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

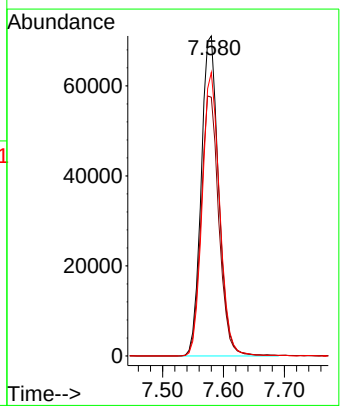
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

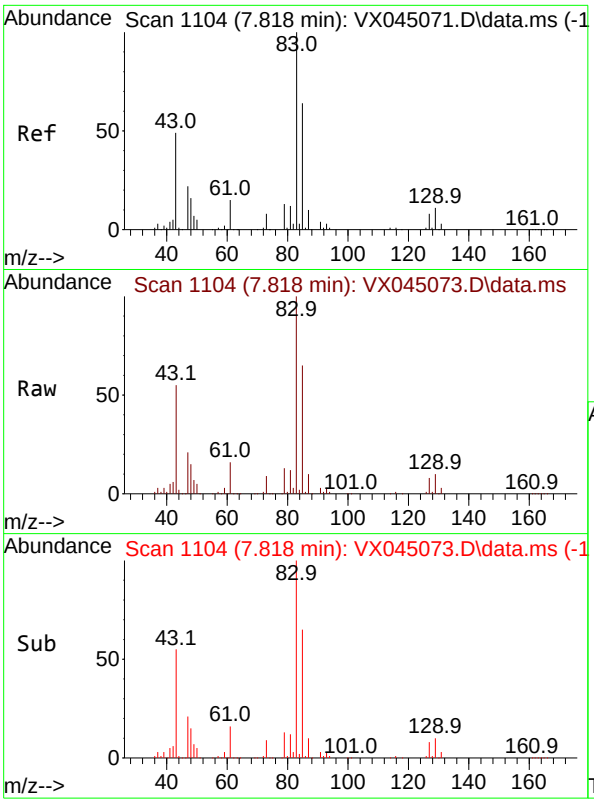


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2

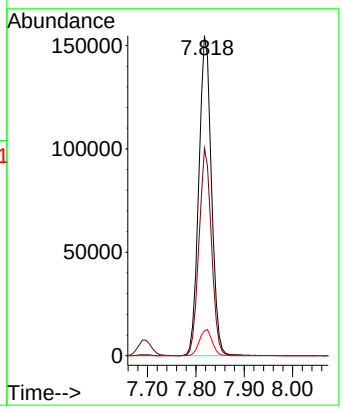




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

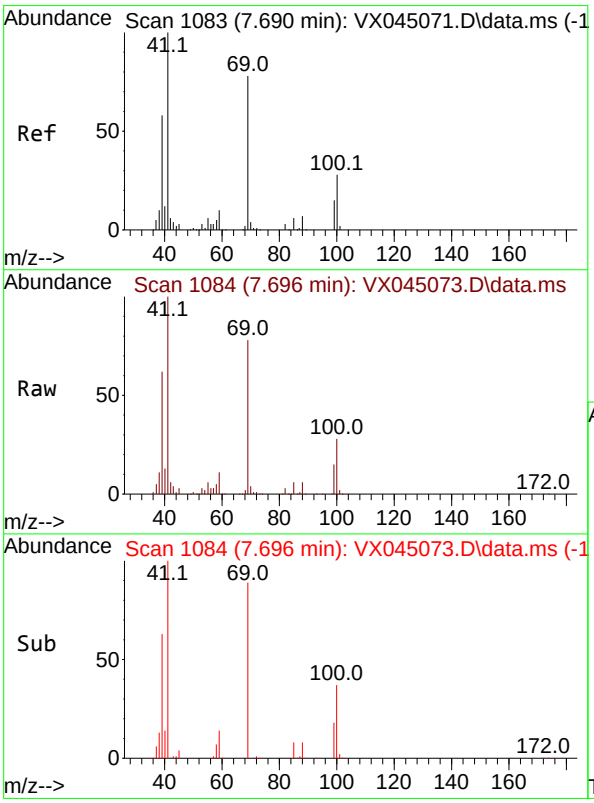
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

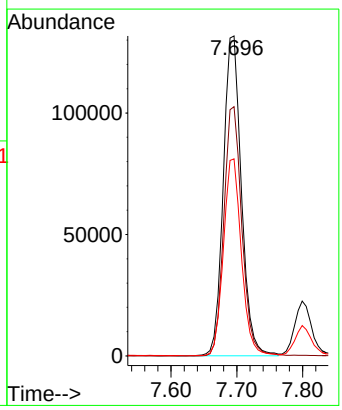
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

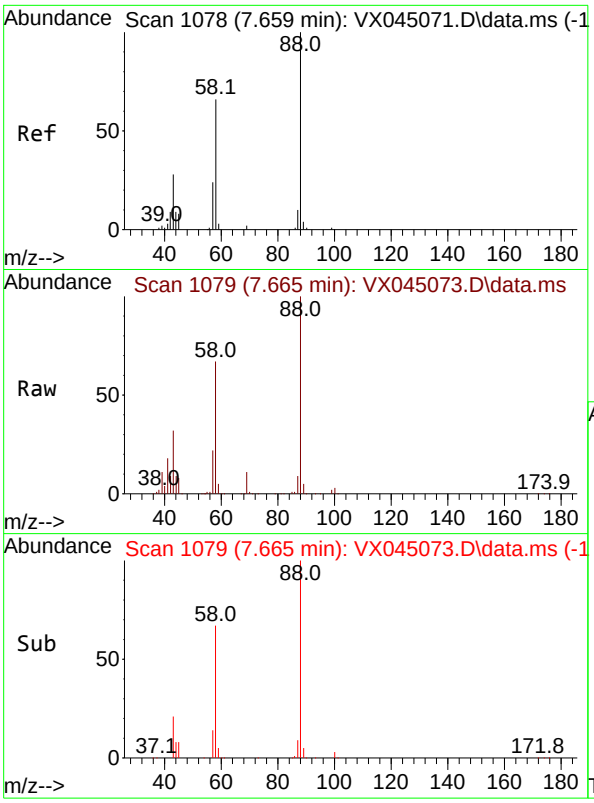


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3

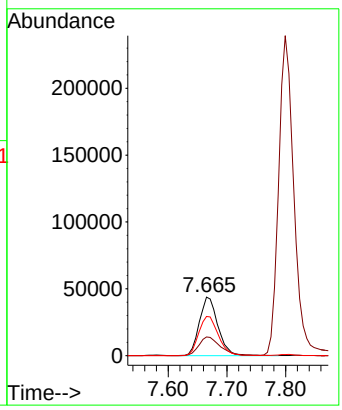




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

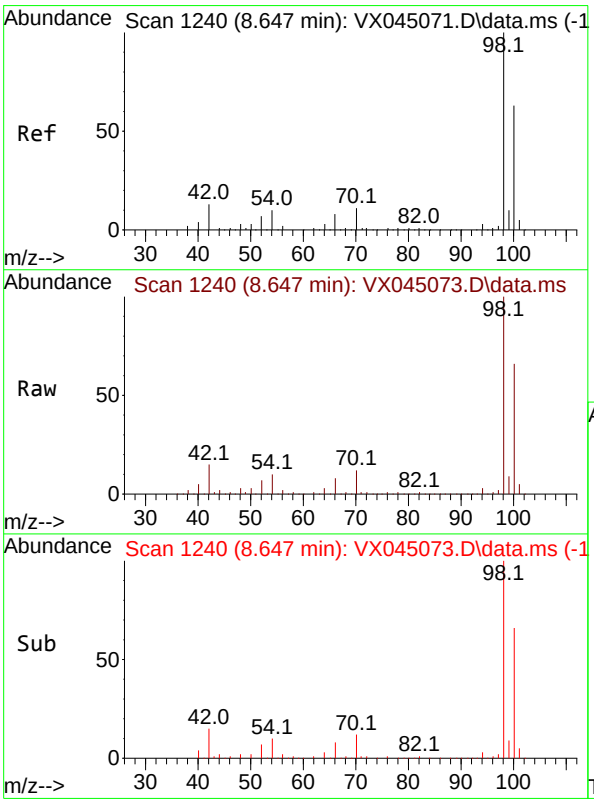
Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

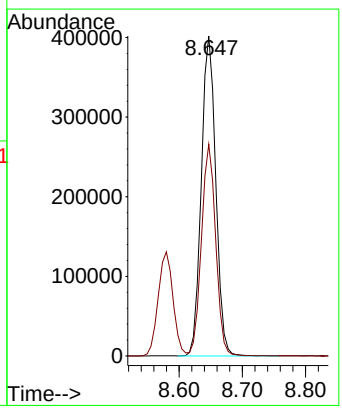
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

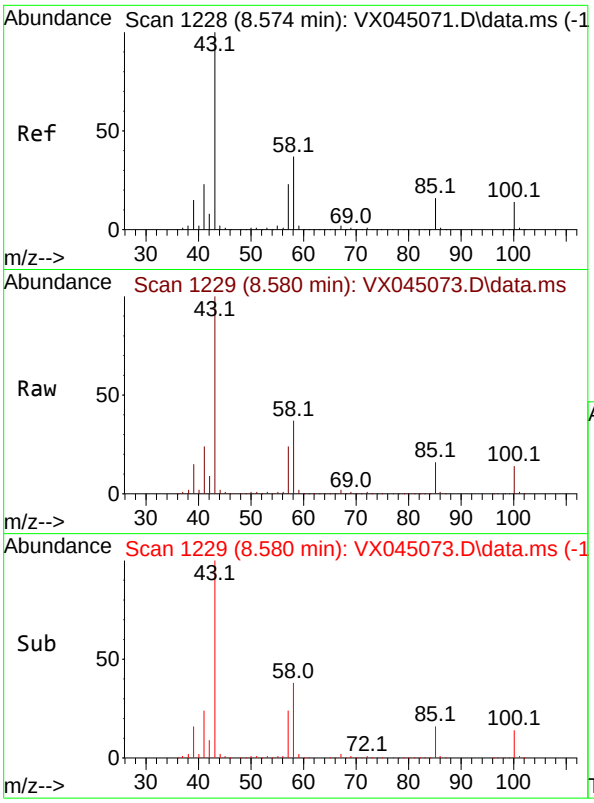


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

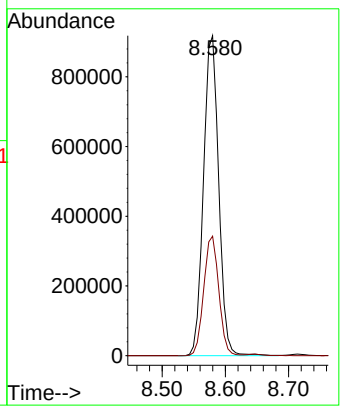
Tgt Ion: 43 Resp: 153615

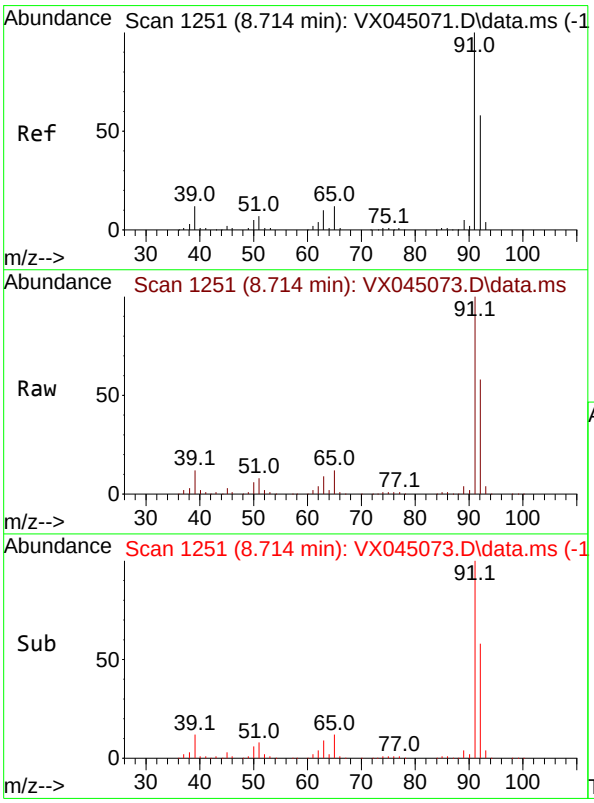
Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

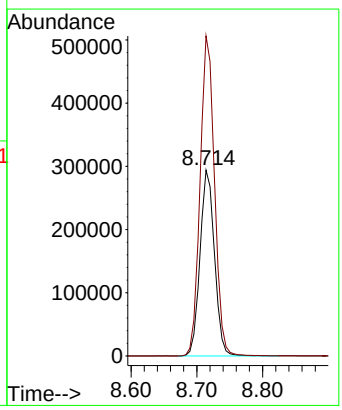


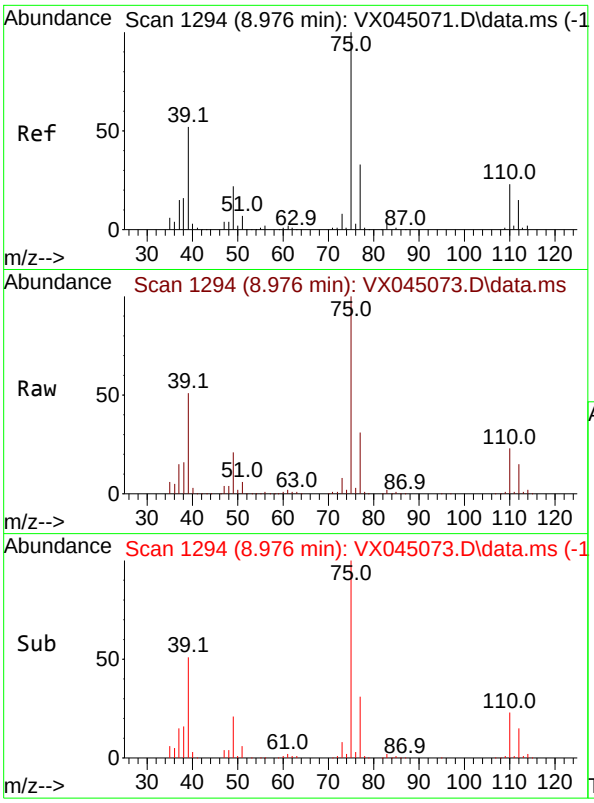


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

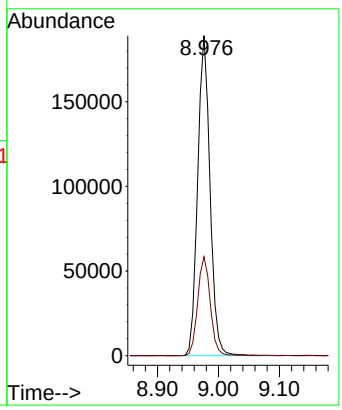




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

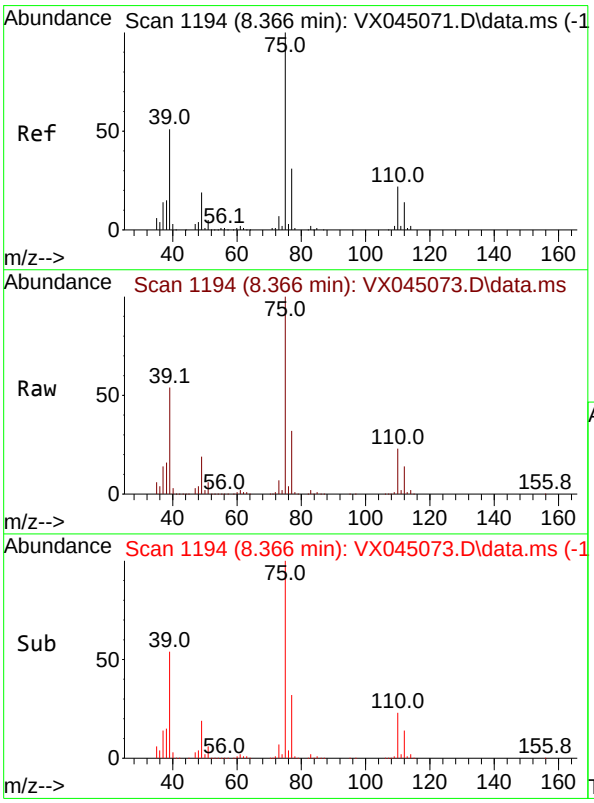
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

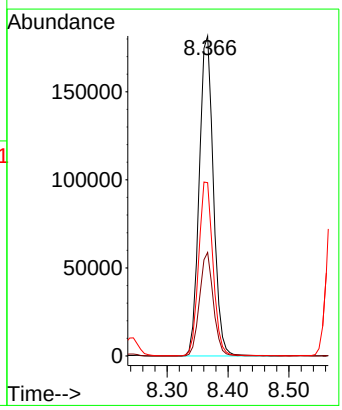
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

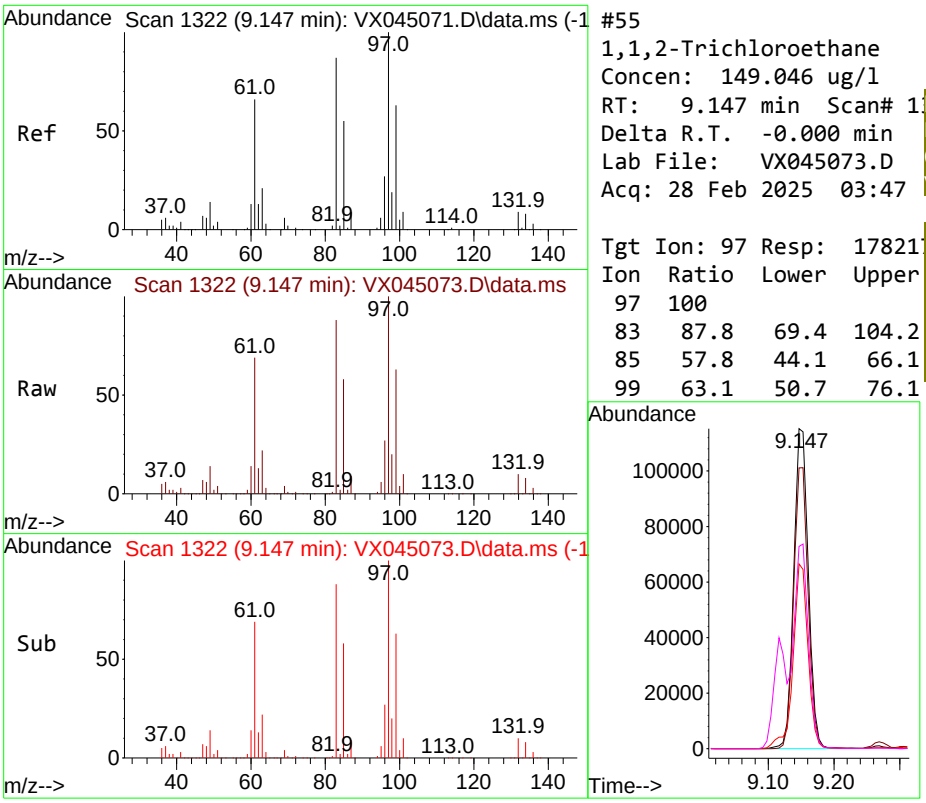


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1





#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

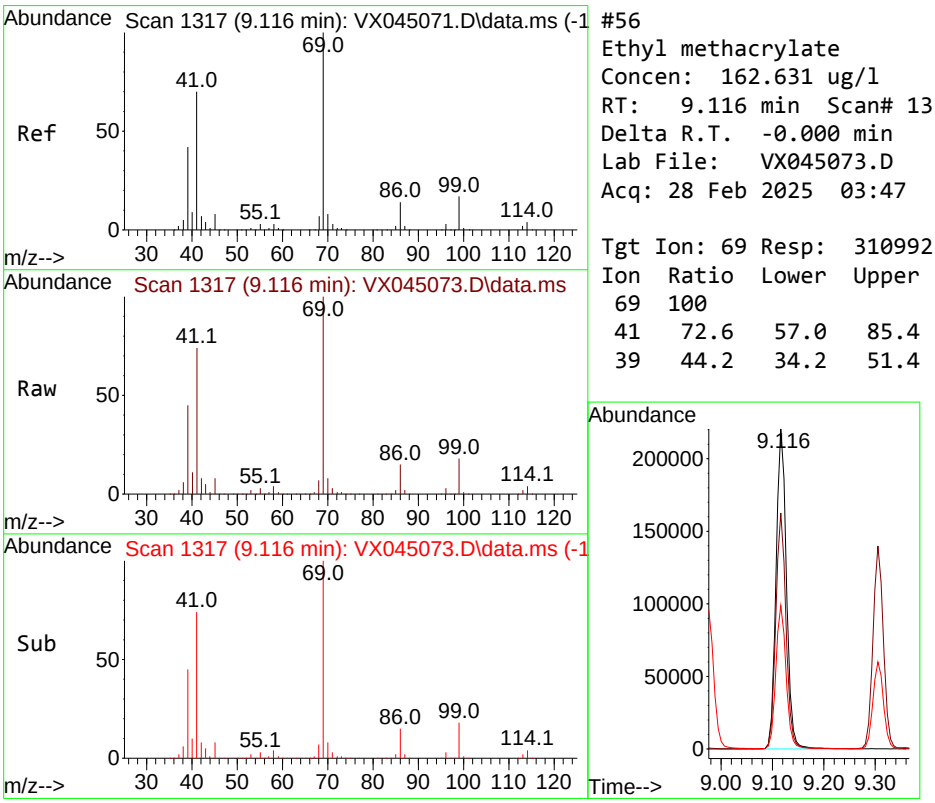
Tgt Ion: 97 Resp: 17821

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

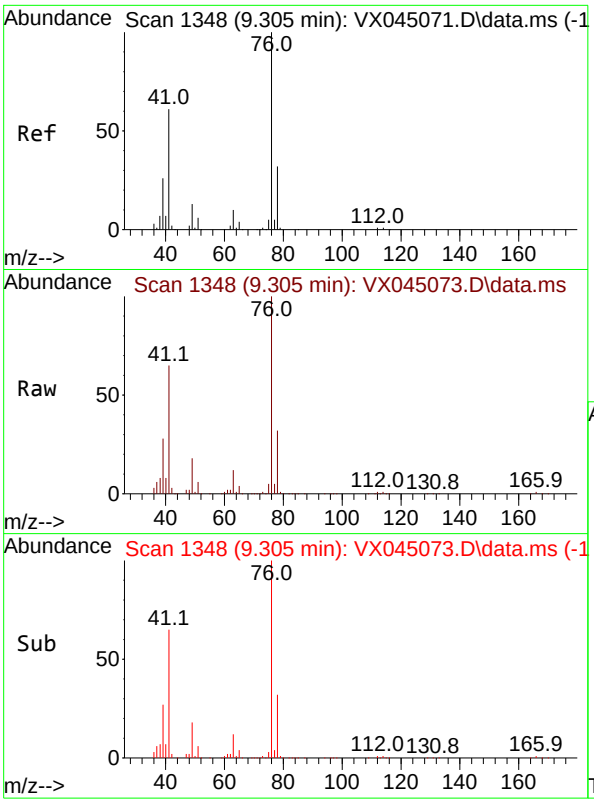
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

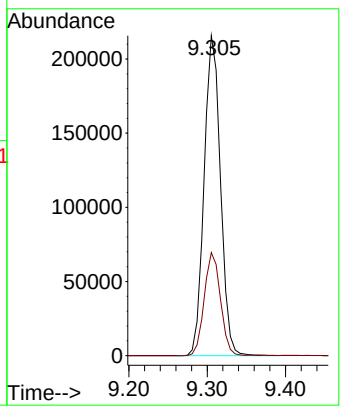
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4



#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

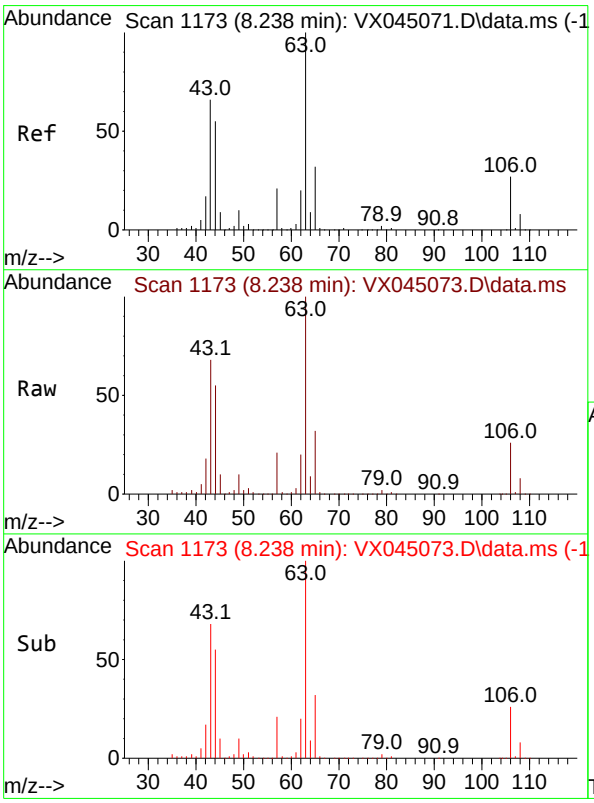
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

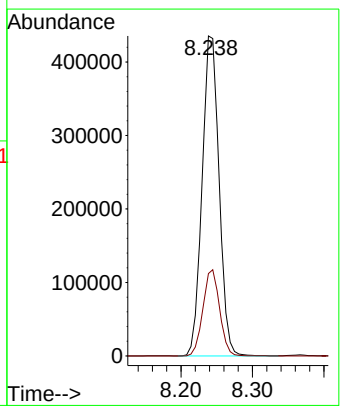
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

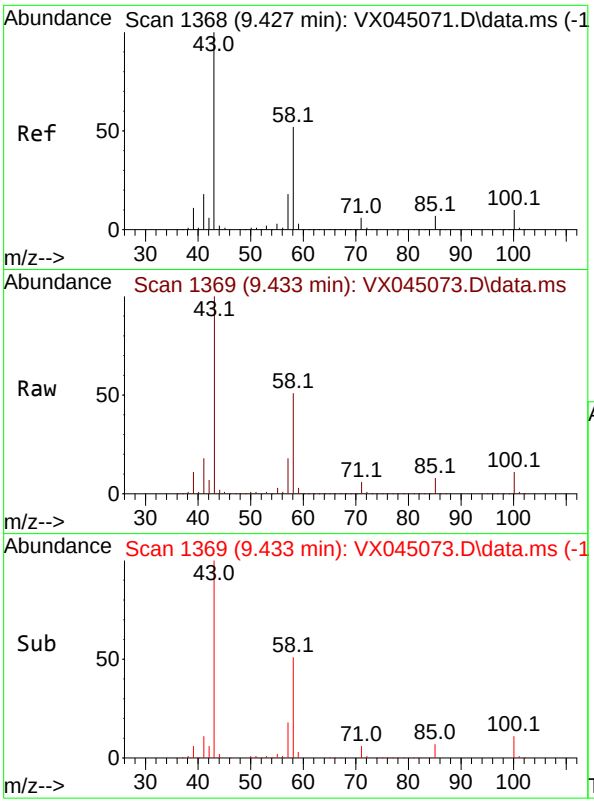


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

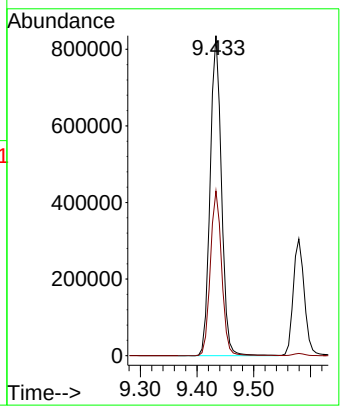
Tgt Ion: 43 Resp: 115665

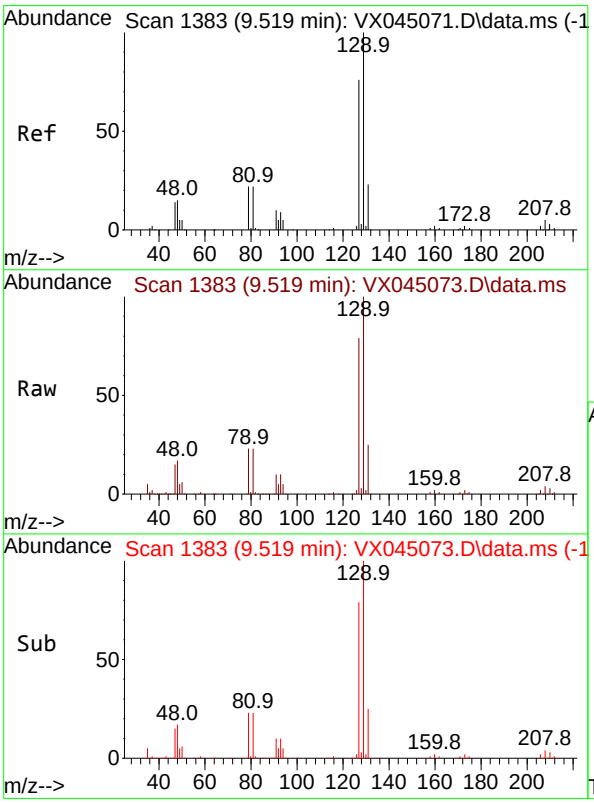
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

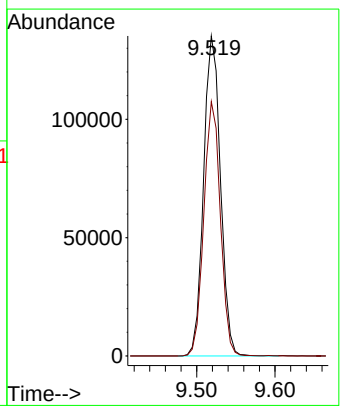


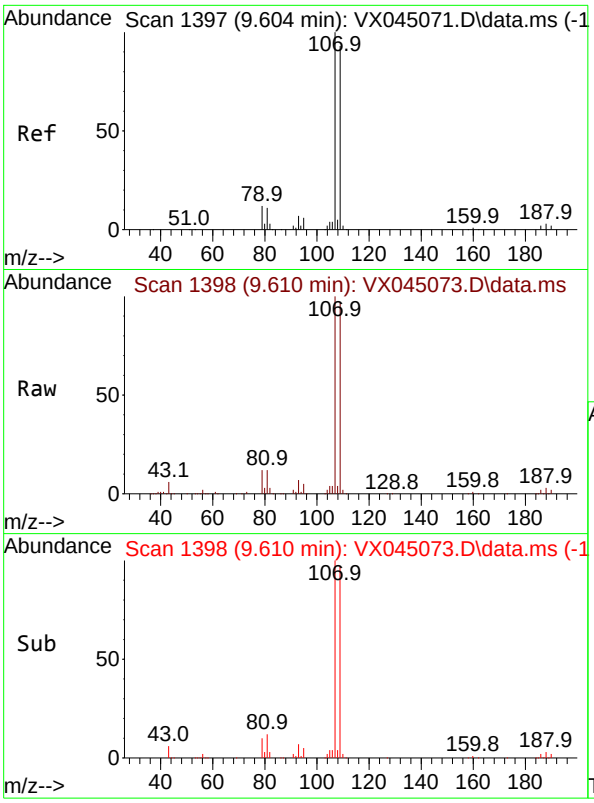


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

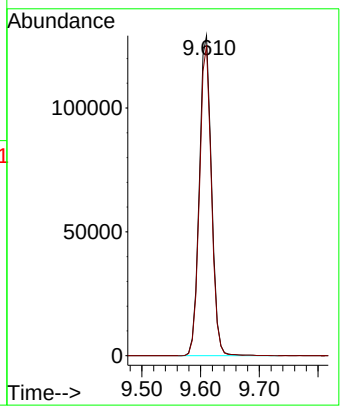




#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:107 Resp: 18582

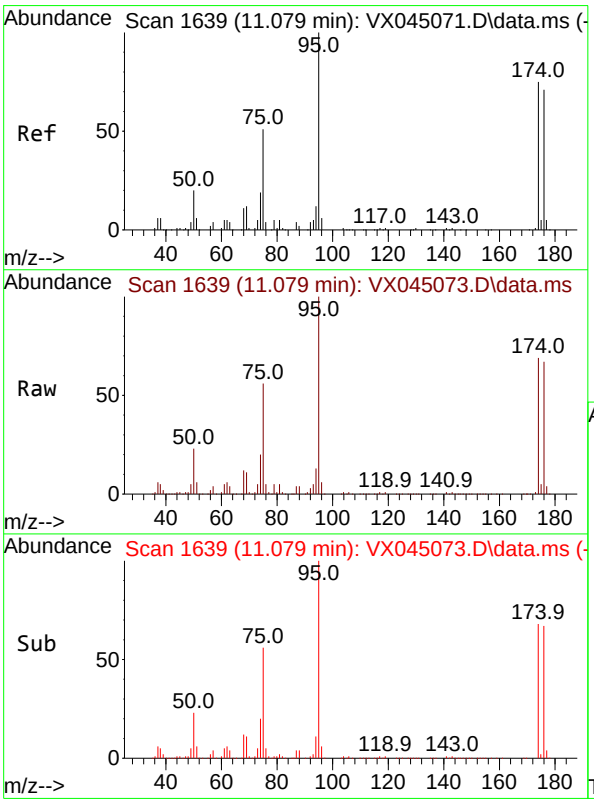
Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

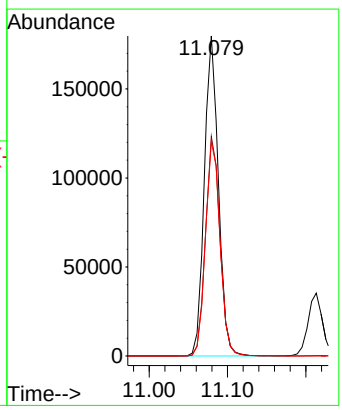
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

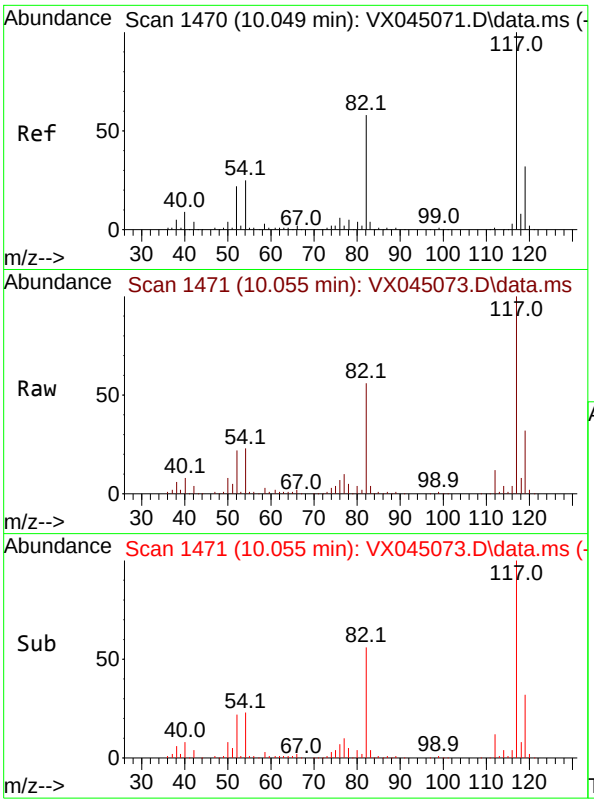


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4

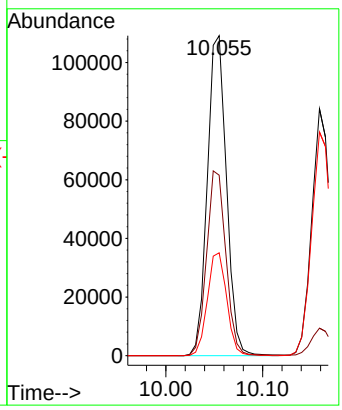




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

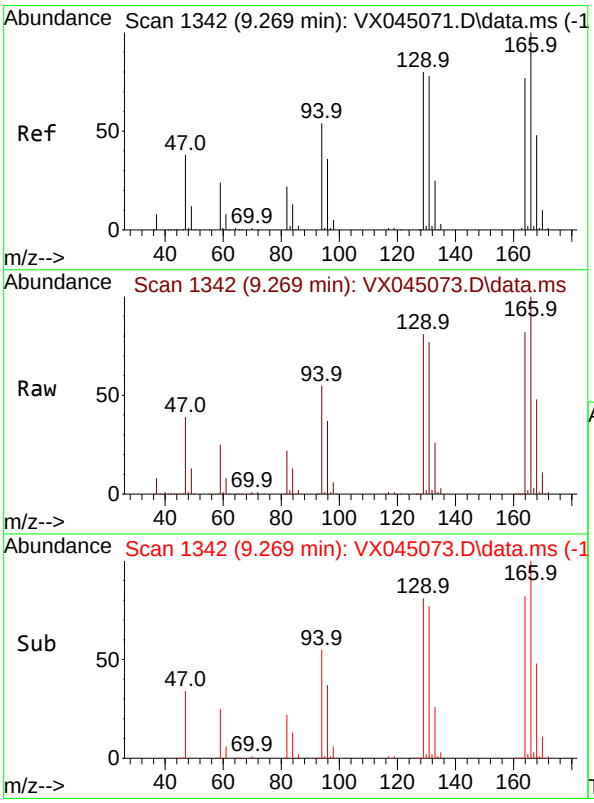
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

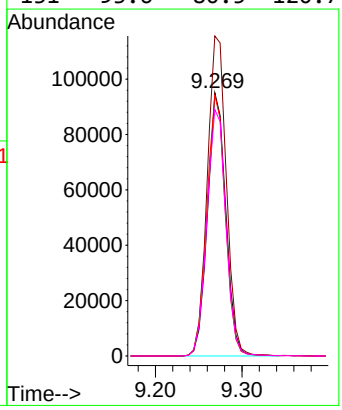
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

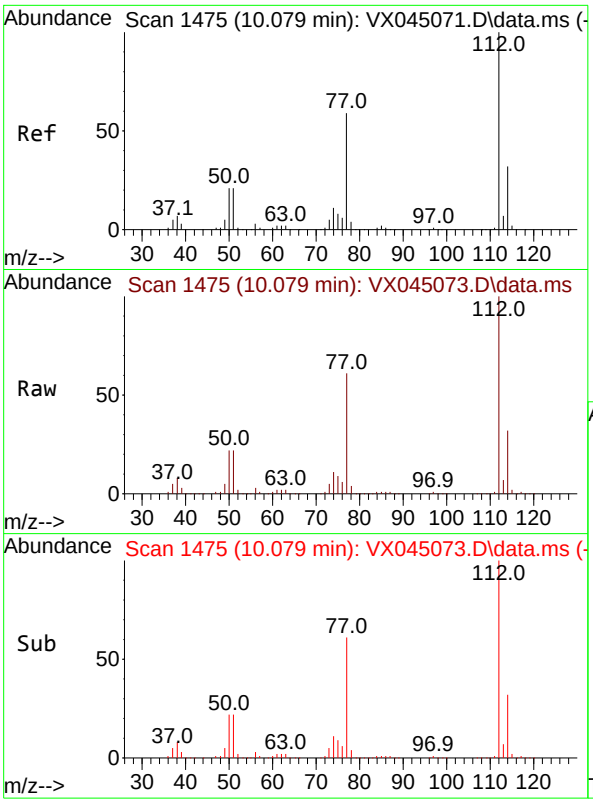


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7





#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

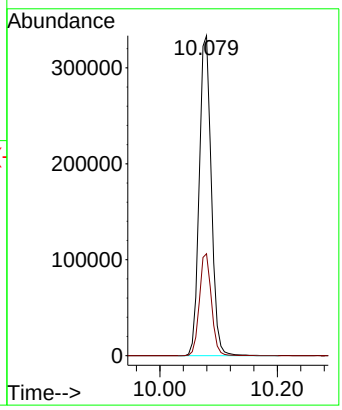
Tgt Ion:112 Resp: 47211

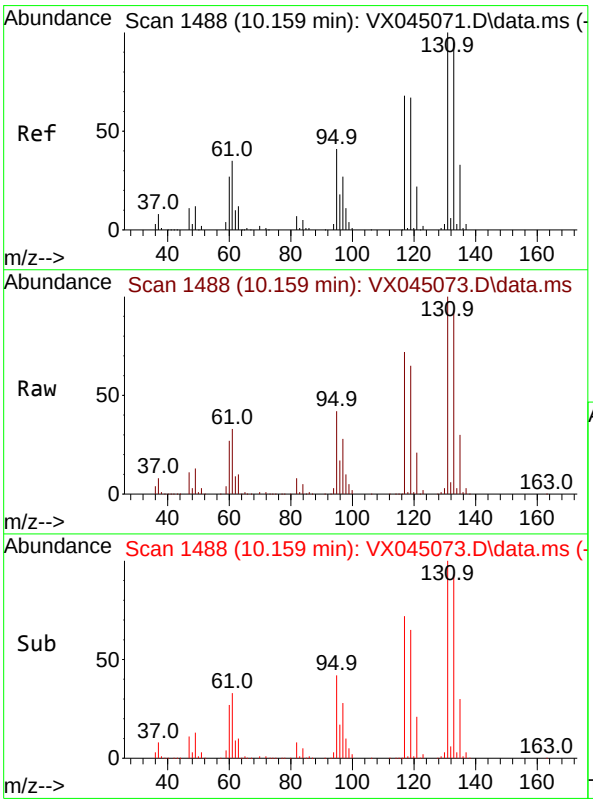
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

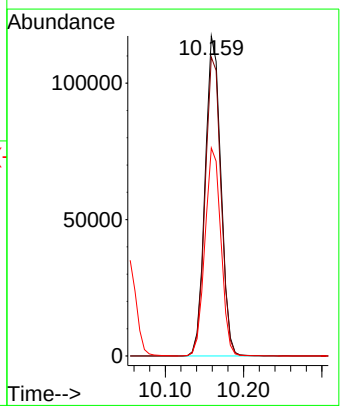


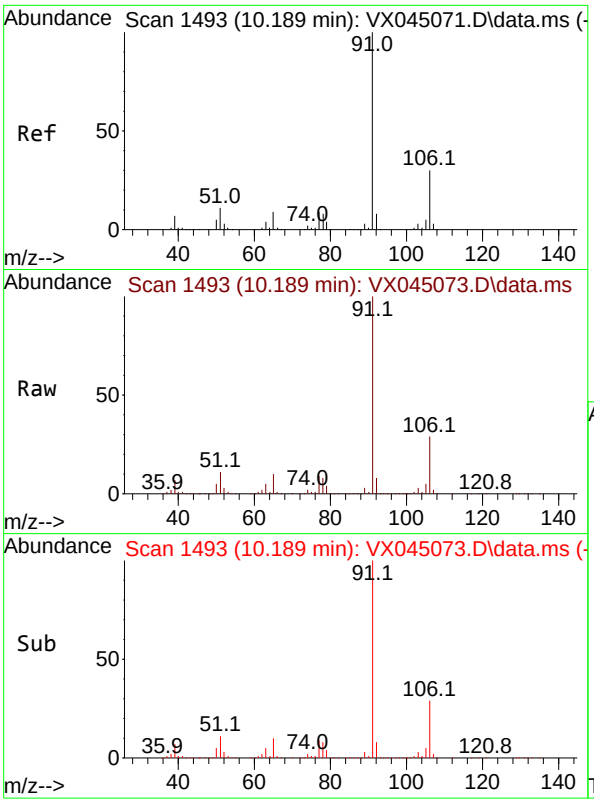


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

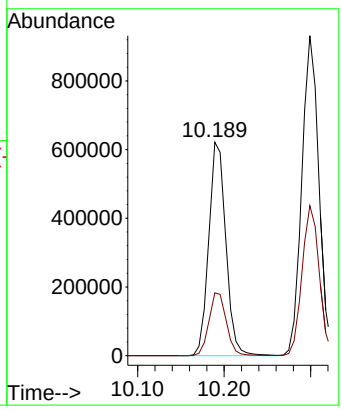
Tgt Ion: 91 Resp: 85257

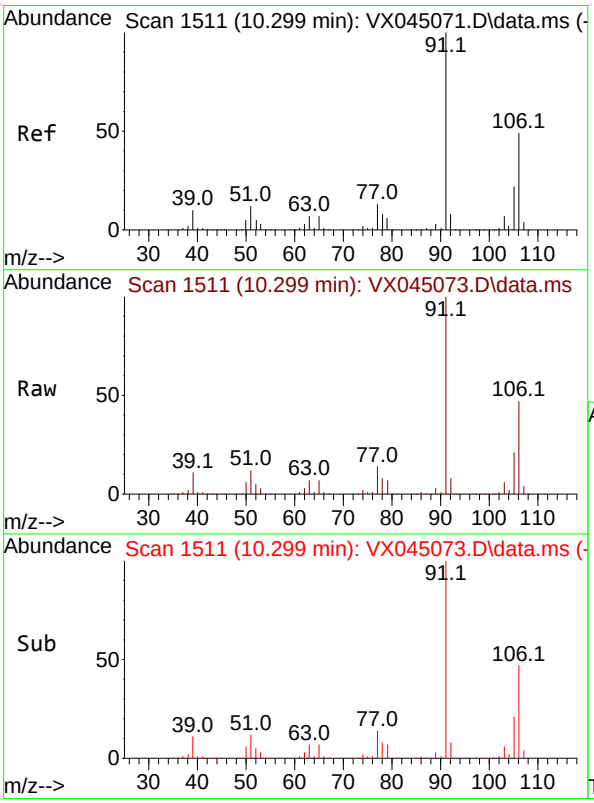
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

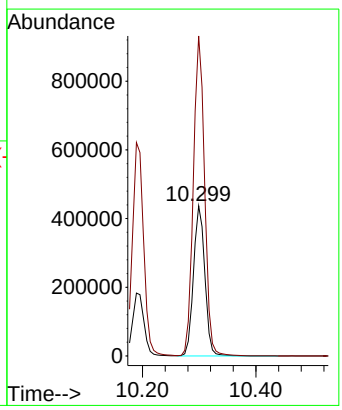


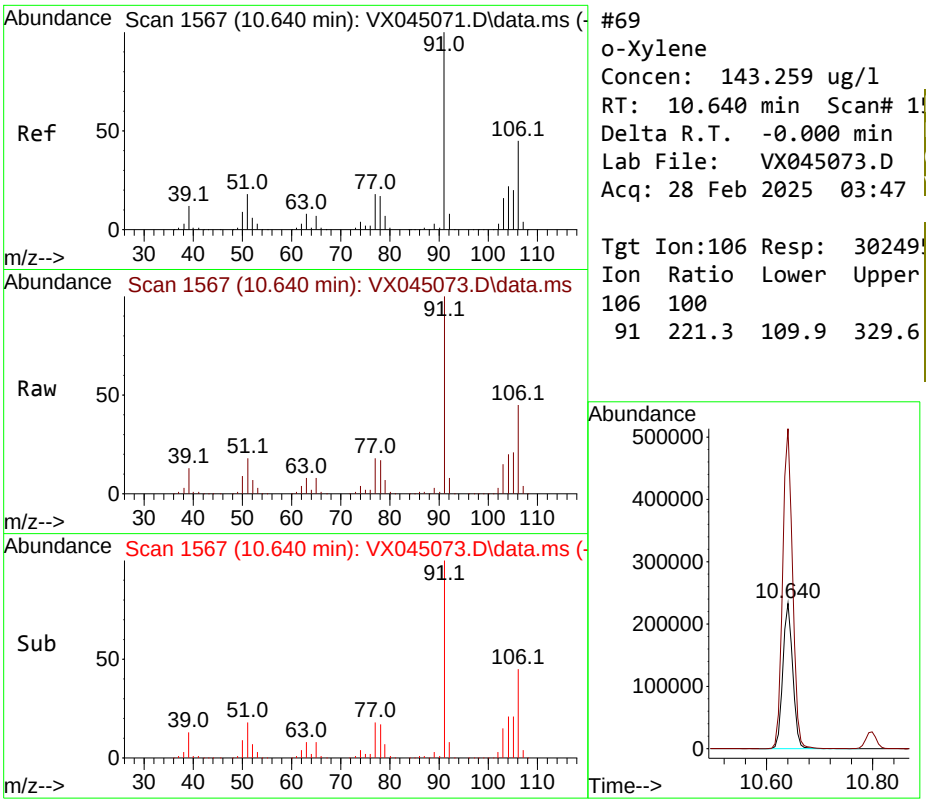


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0





#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

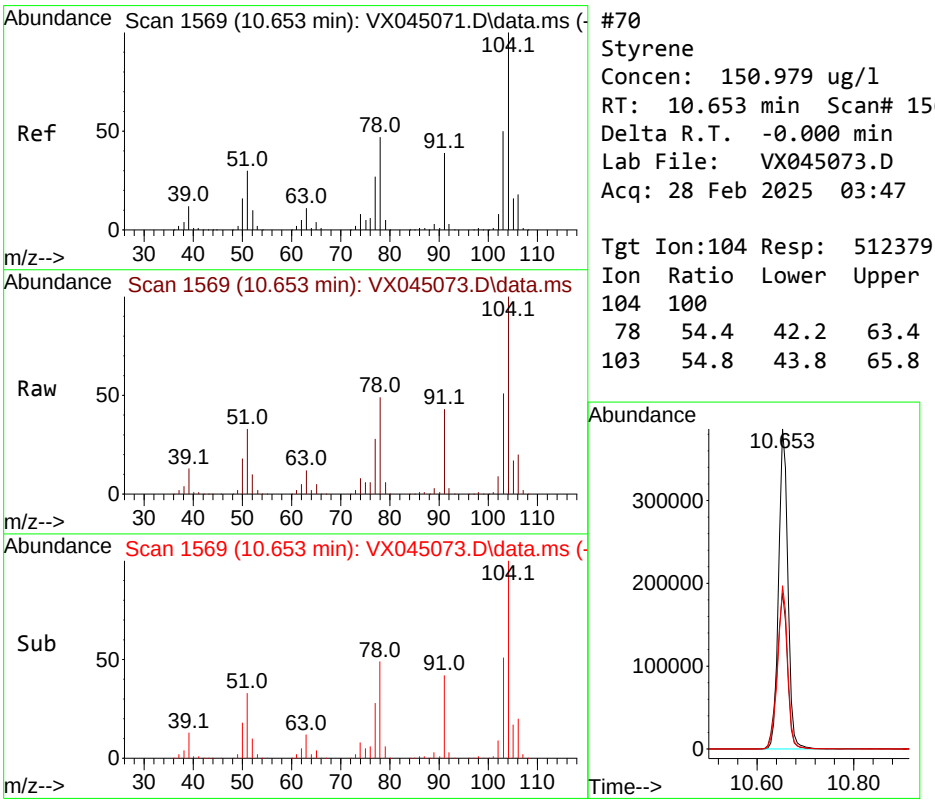
Tgt Ion:106 Resp: 30249

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

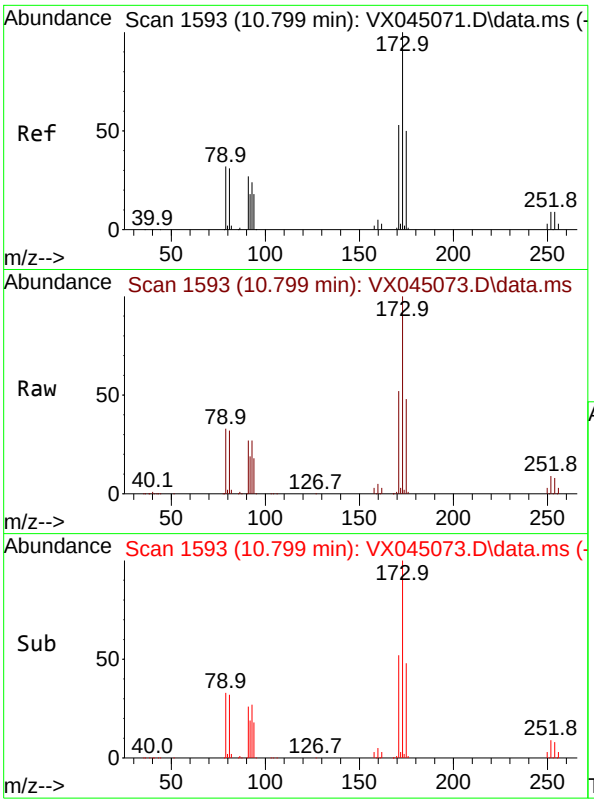
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

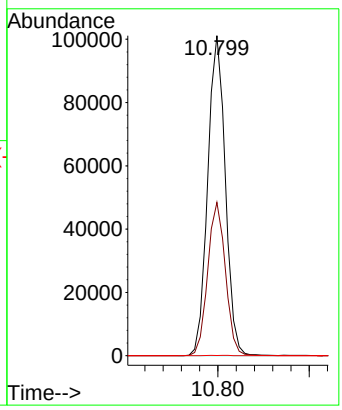
Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8



#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

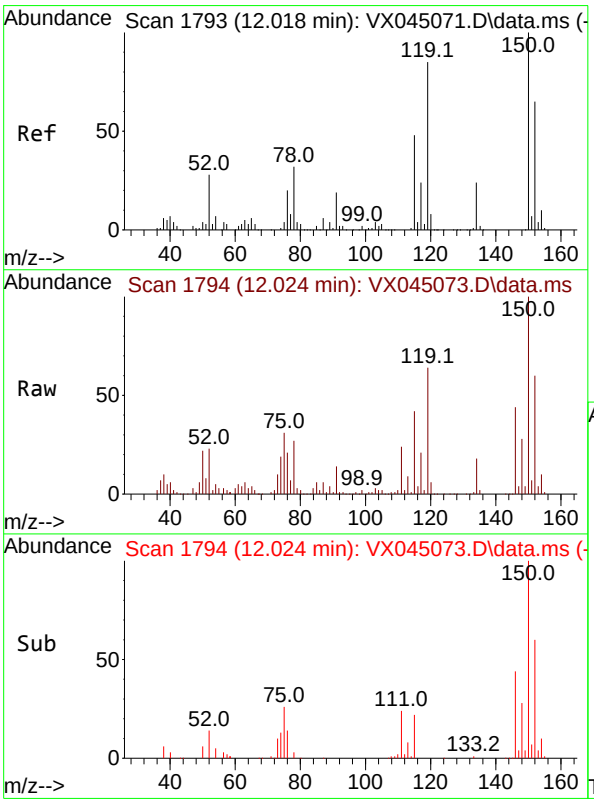
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

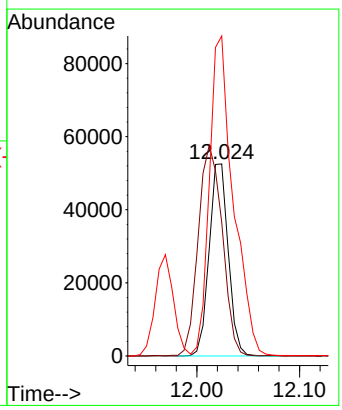
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

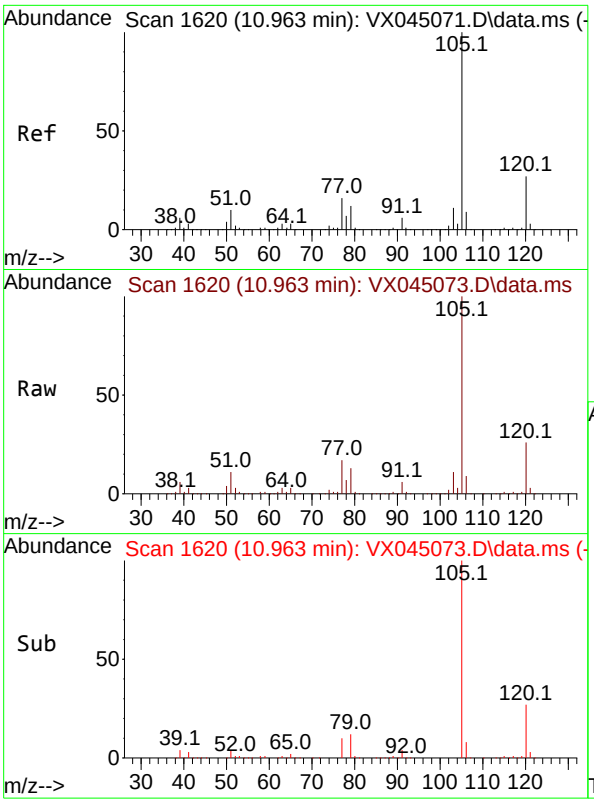


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0

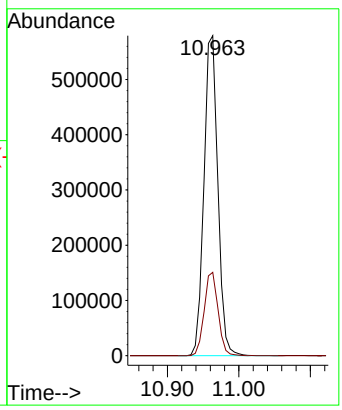




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

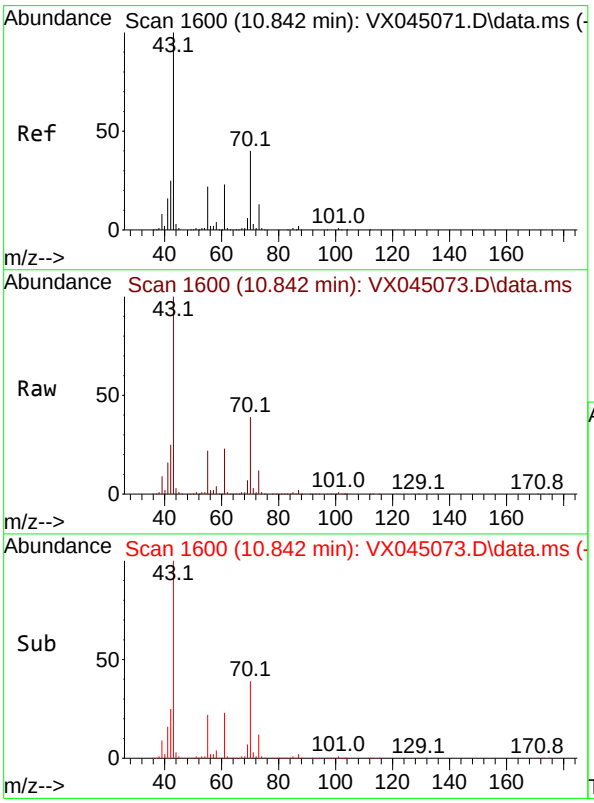
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

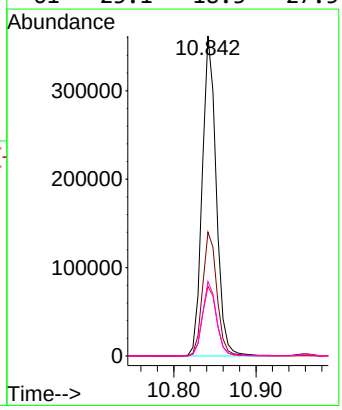
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

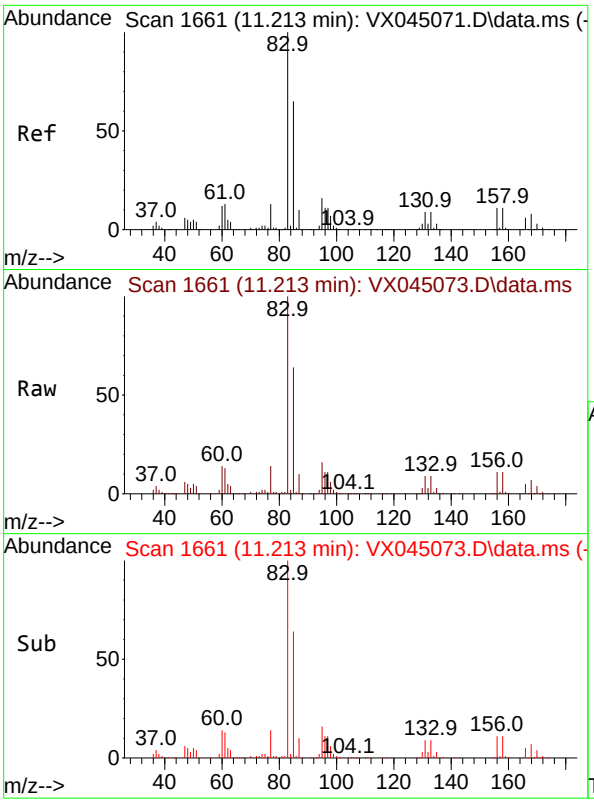


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5

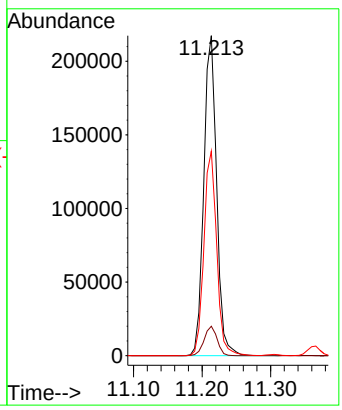




#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28355

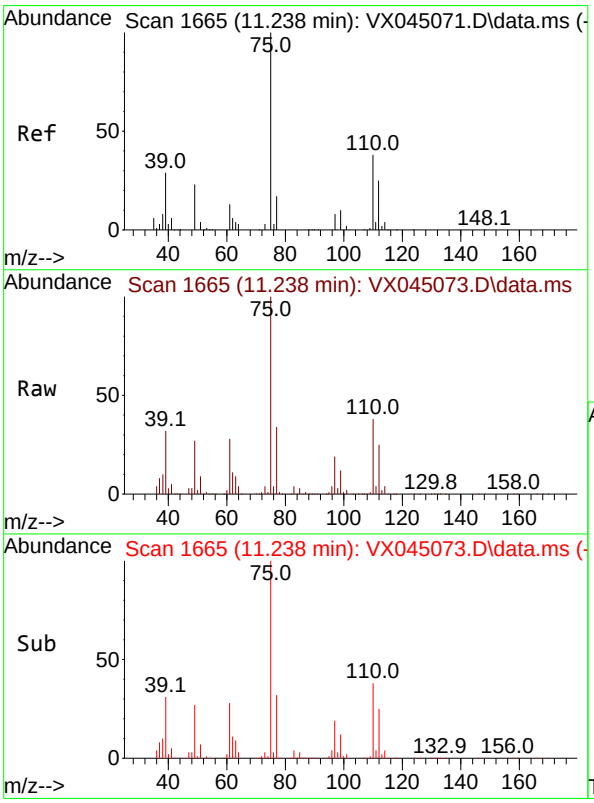
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

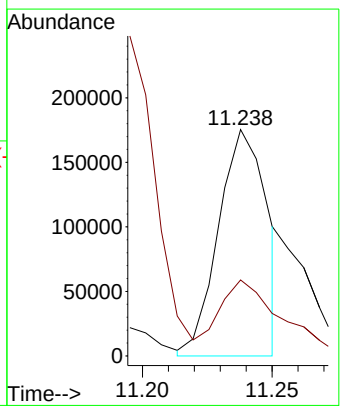
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

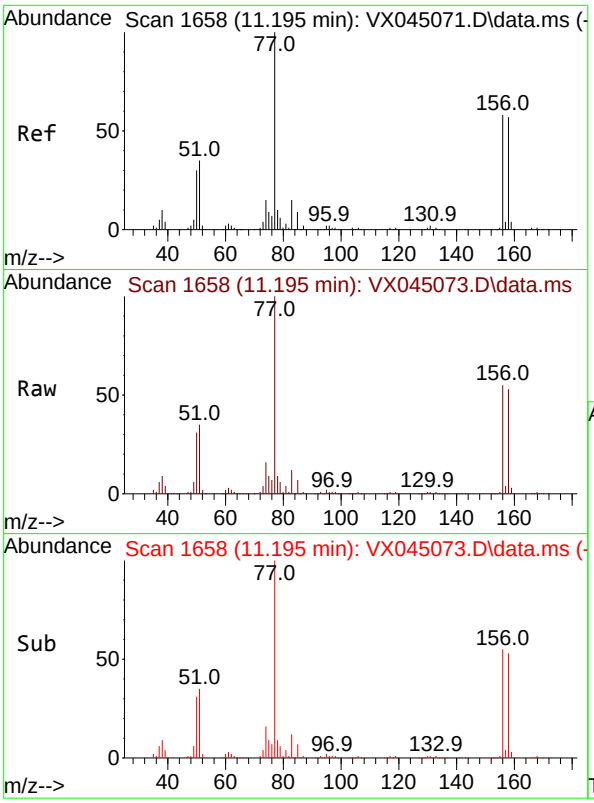


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 229435

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.7	62.1

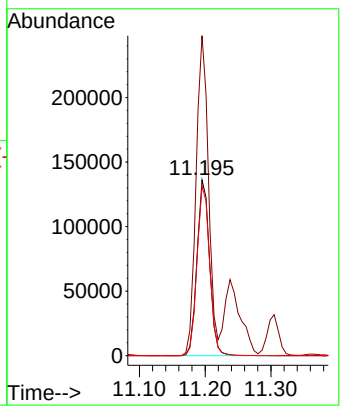




#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:156 Resp: 18099

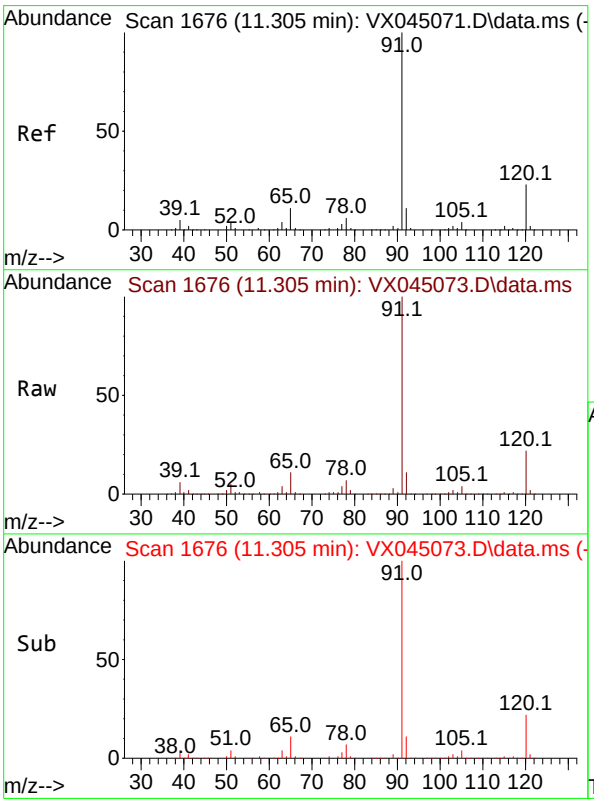
Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

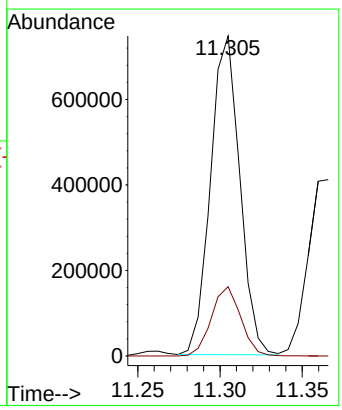
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

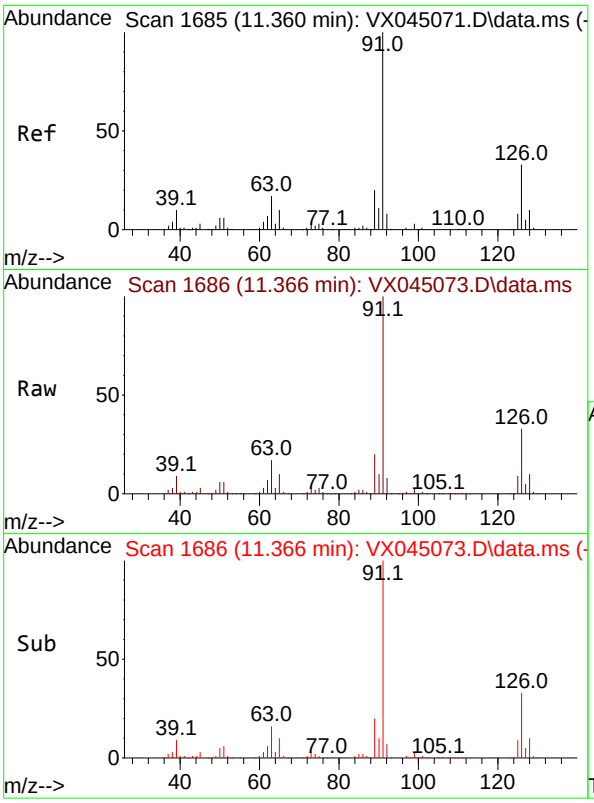


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

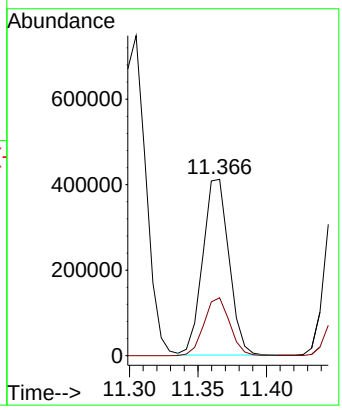




#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 54869

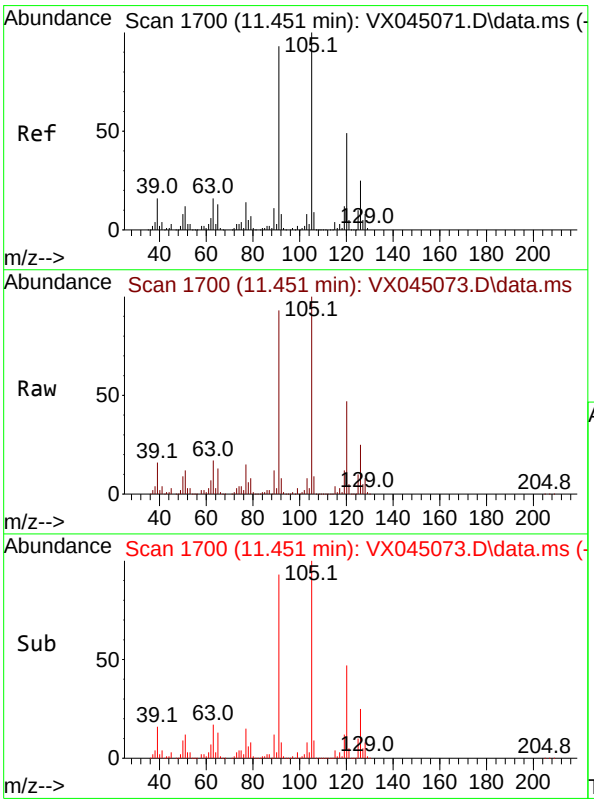
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

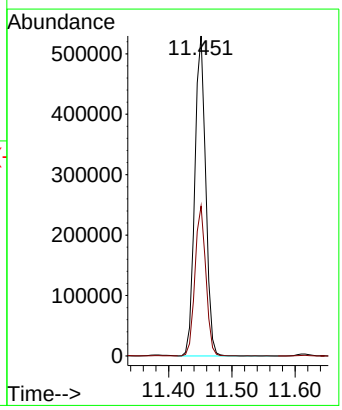
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

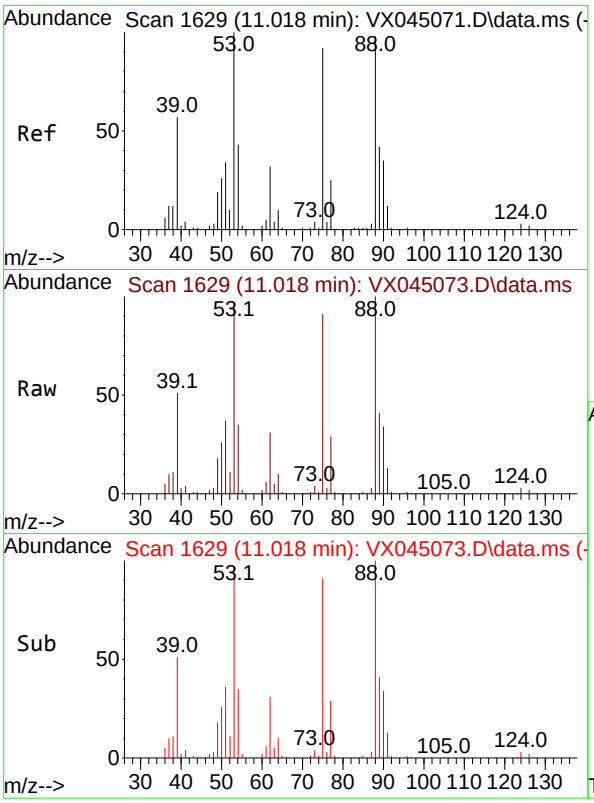


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2

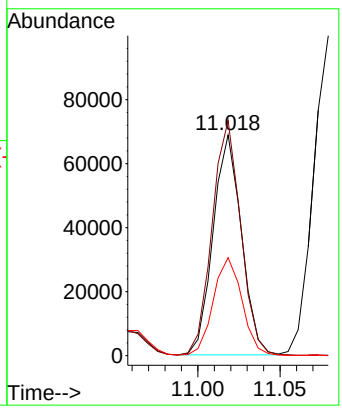




#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 8226

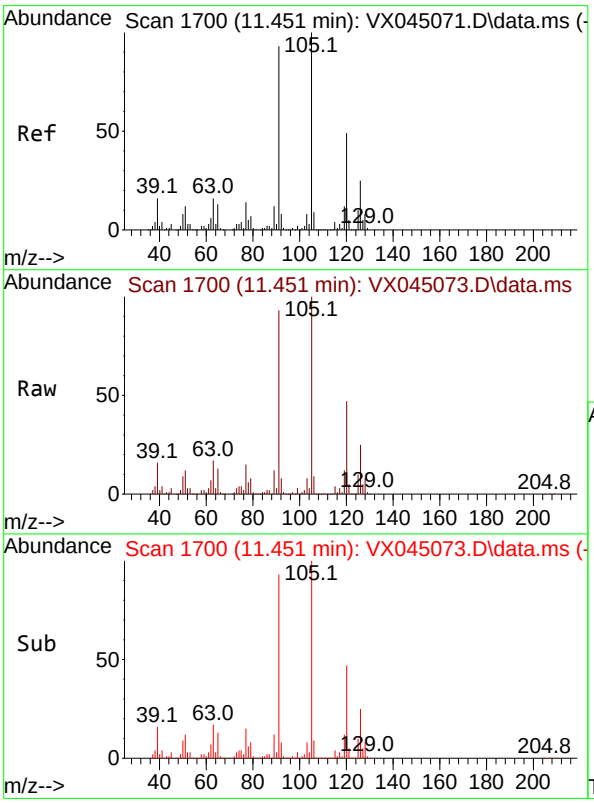
Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

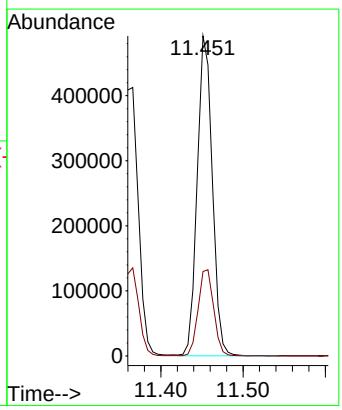
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

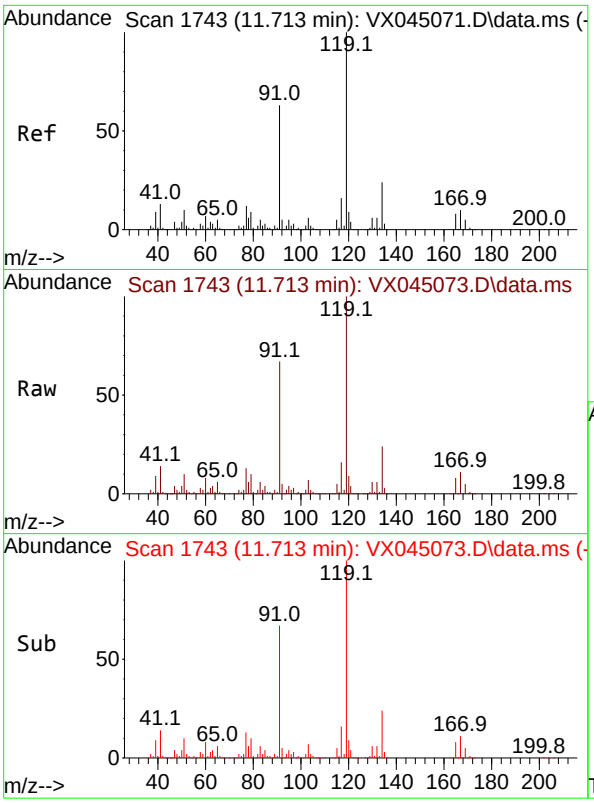


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

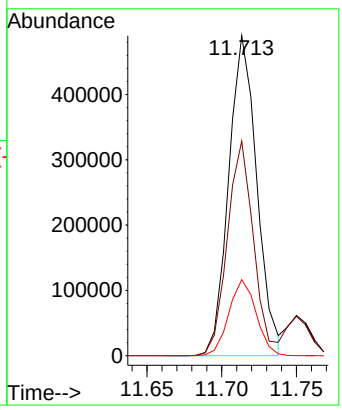




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

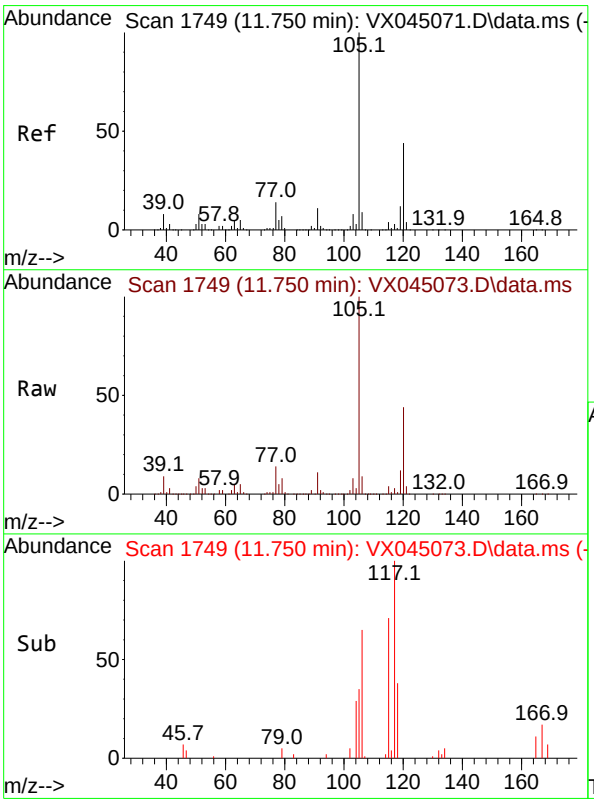
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

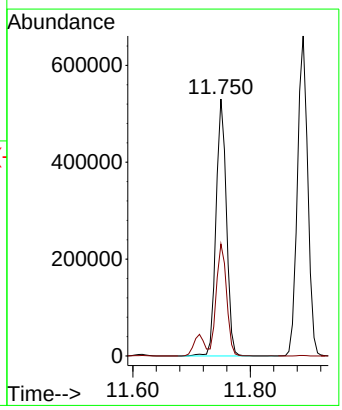
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

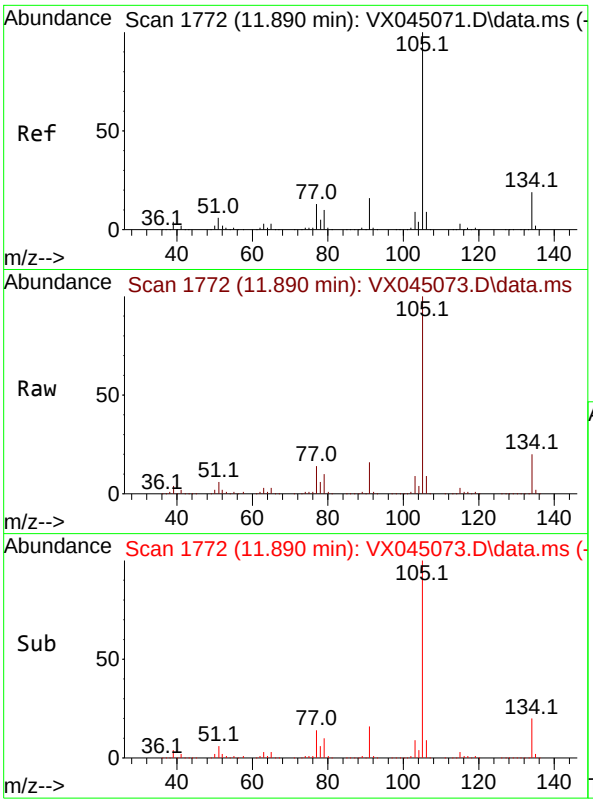


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

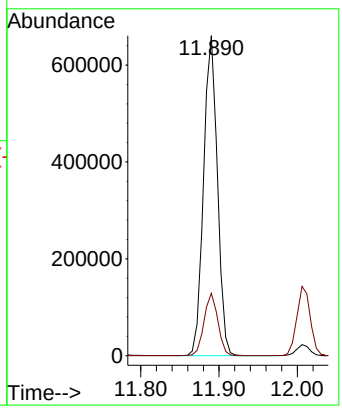




#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 80771

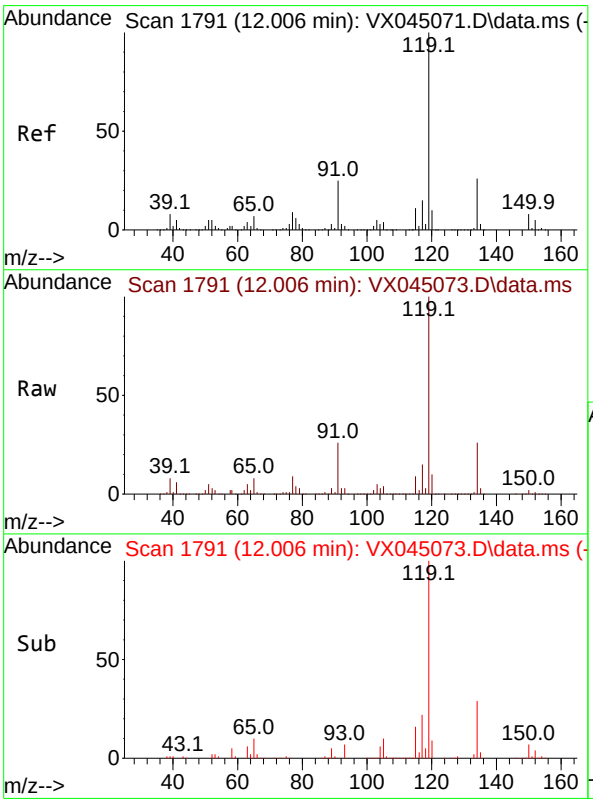
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

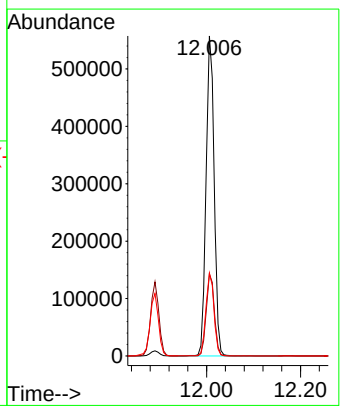
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

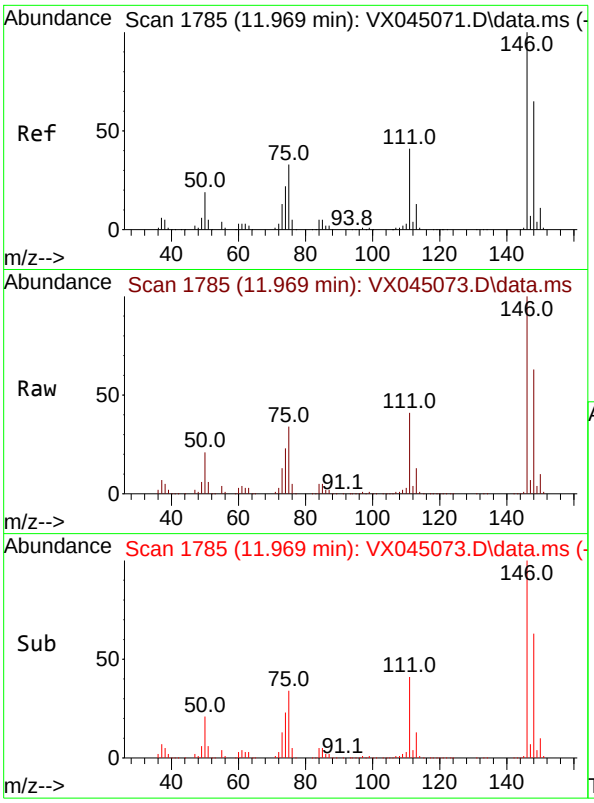


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0

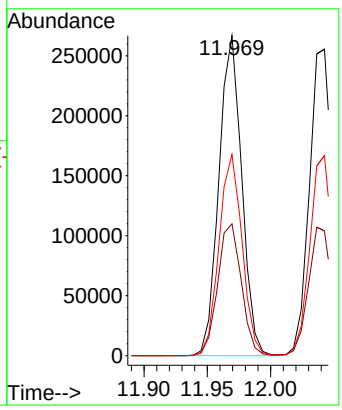




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

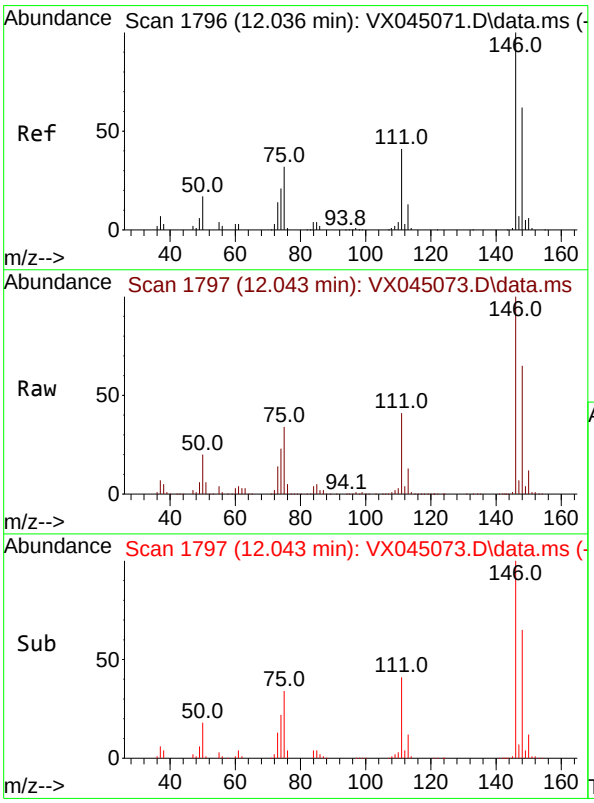
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

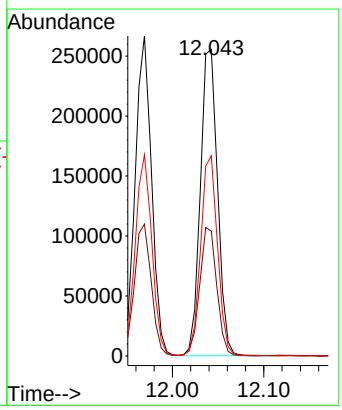
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

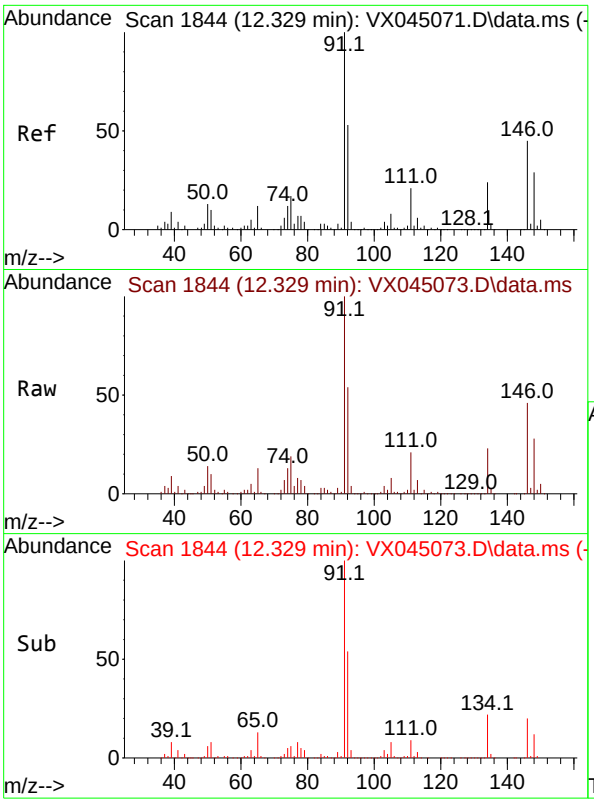


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9

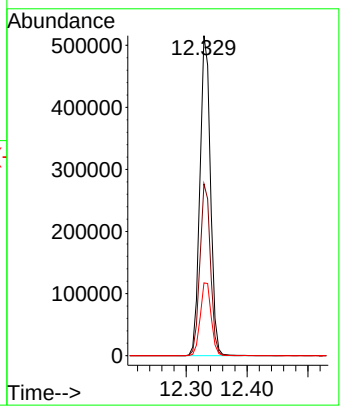




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

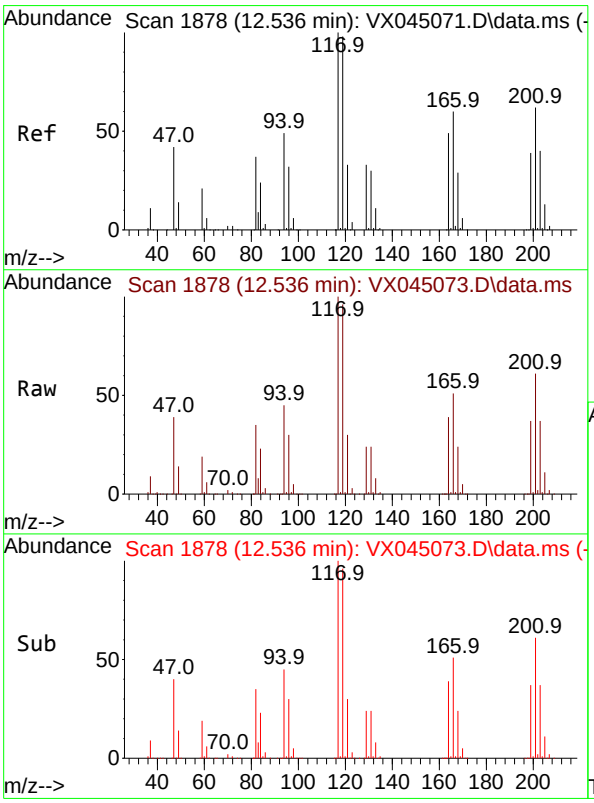
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

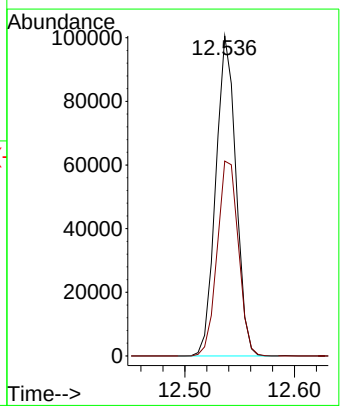
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

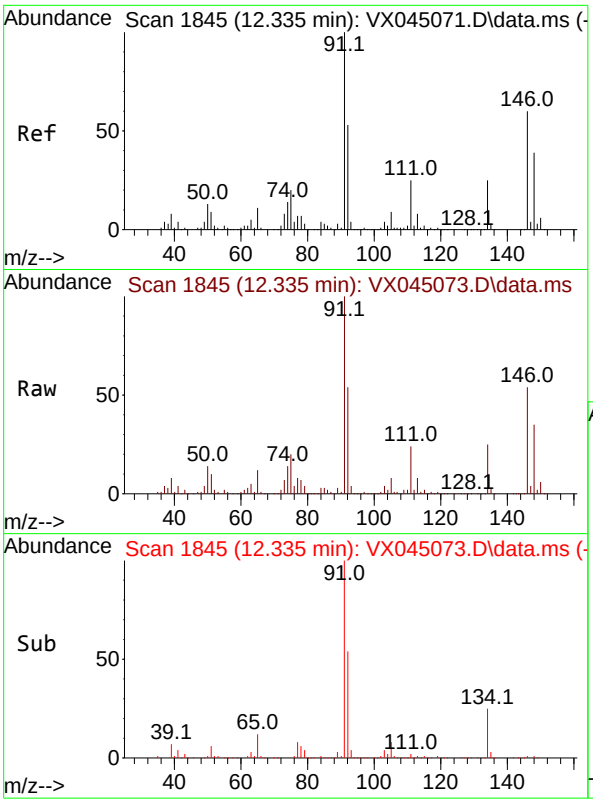


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

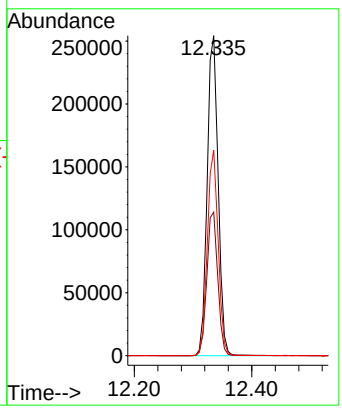




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

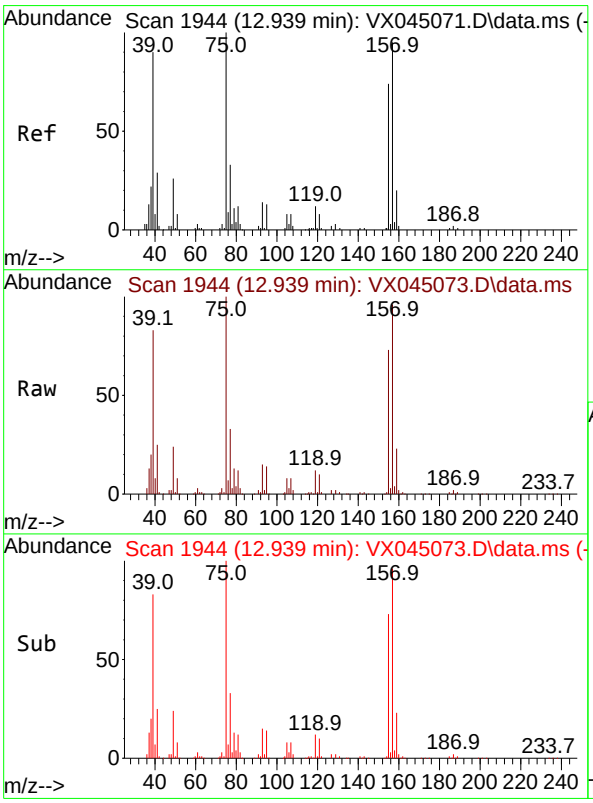
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

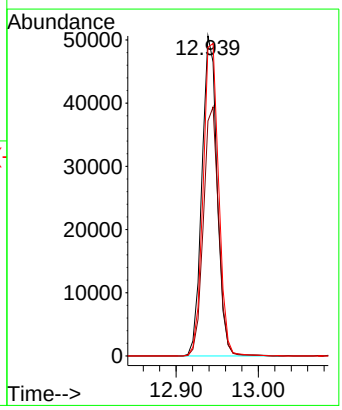
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

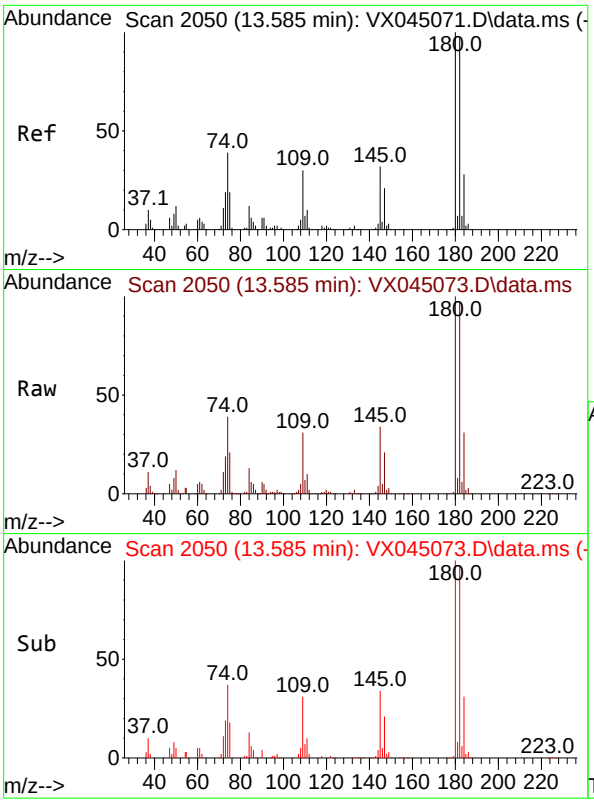


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4

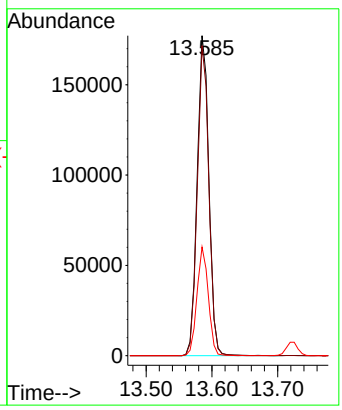




#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 21931

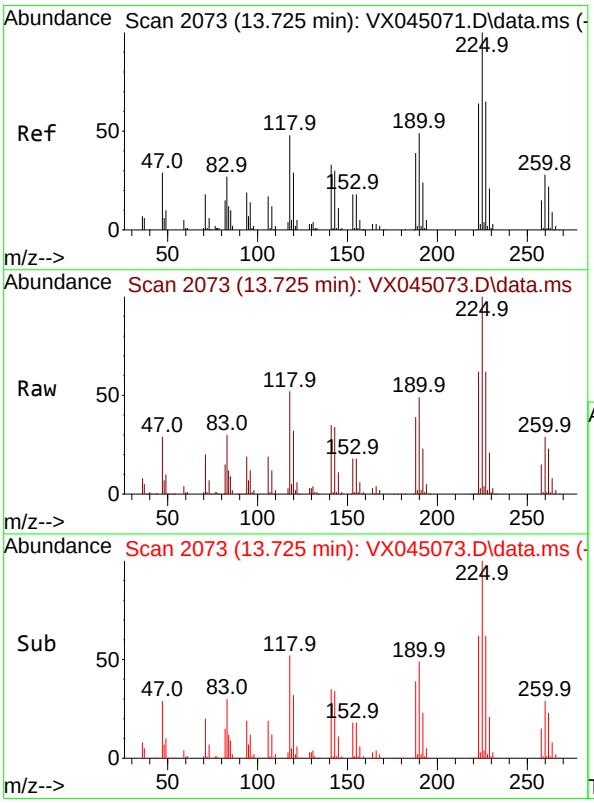
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

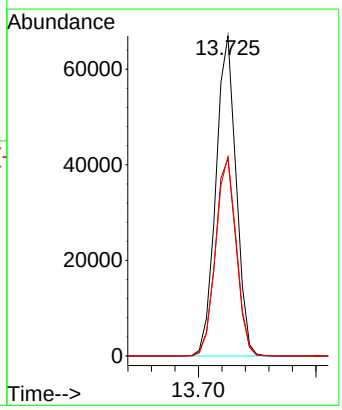
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

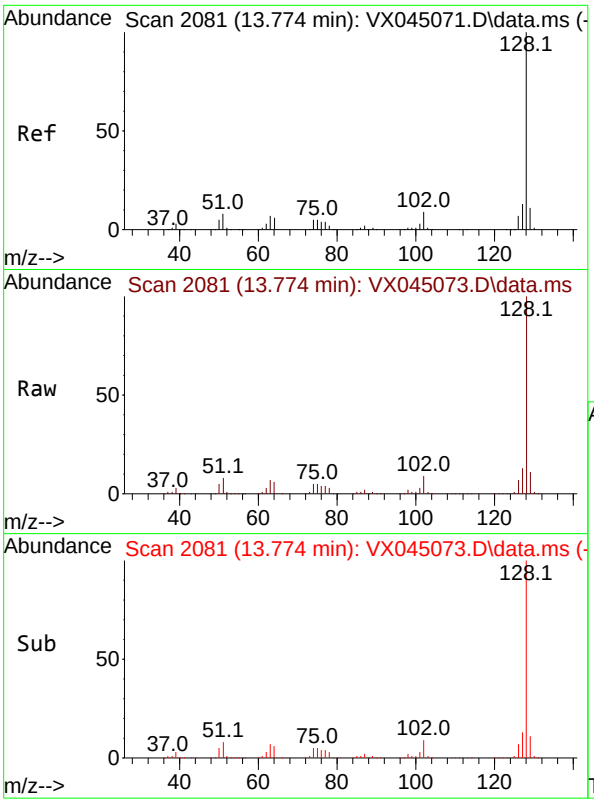


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0

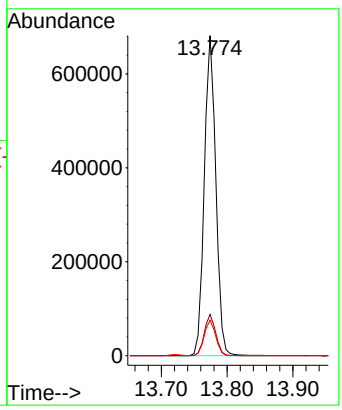




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 82894

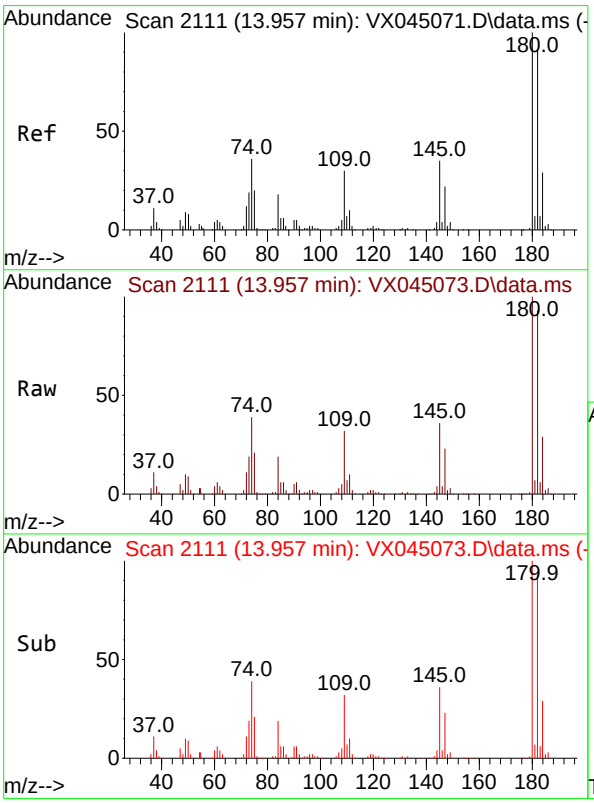
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

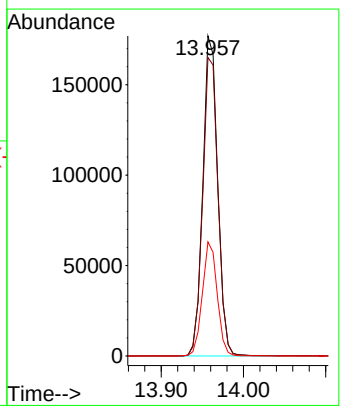
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l		
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

ICAL Form

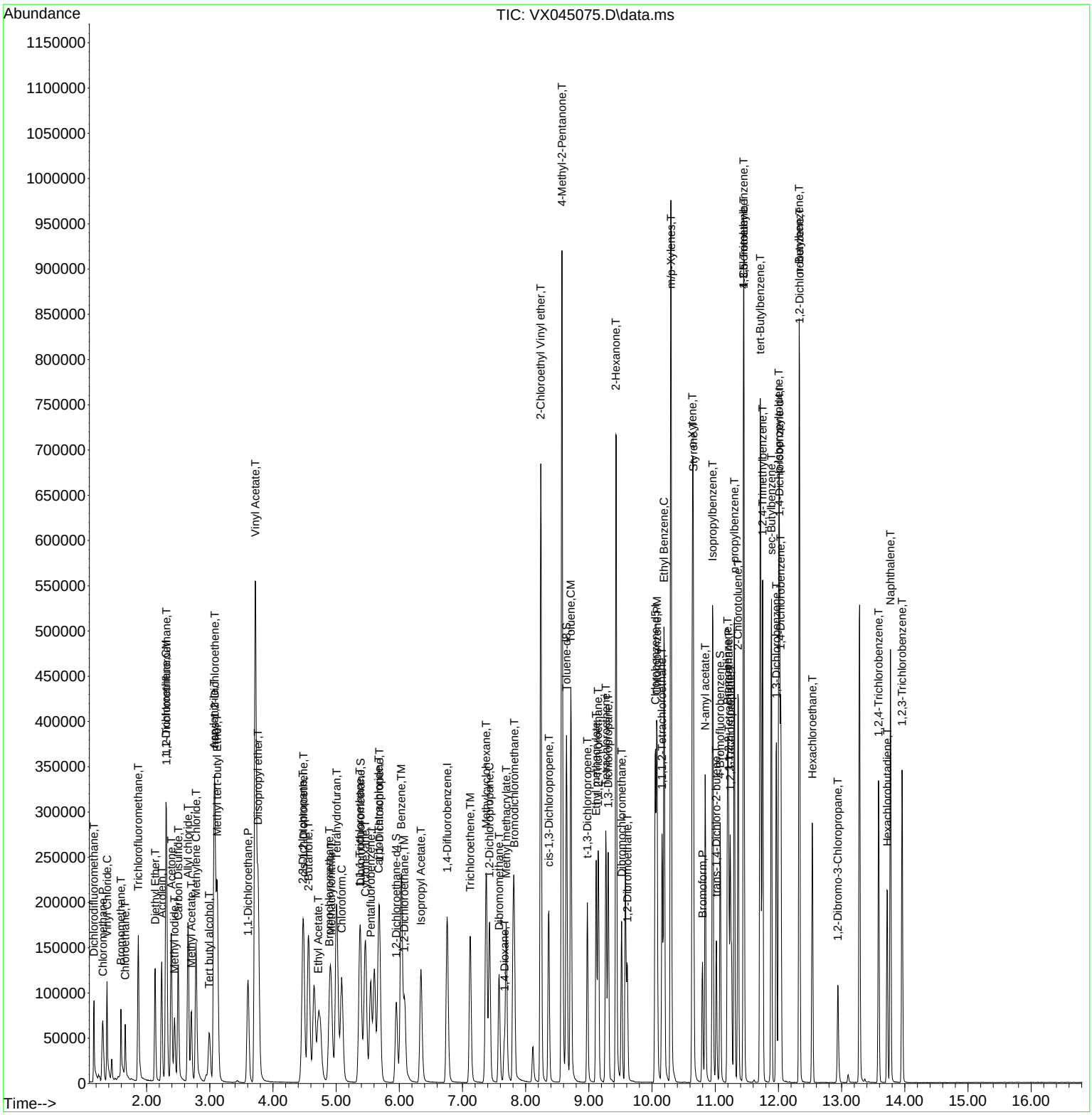
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Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

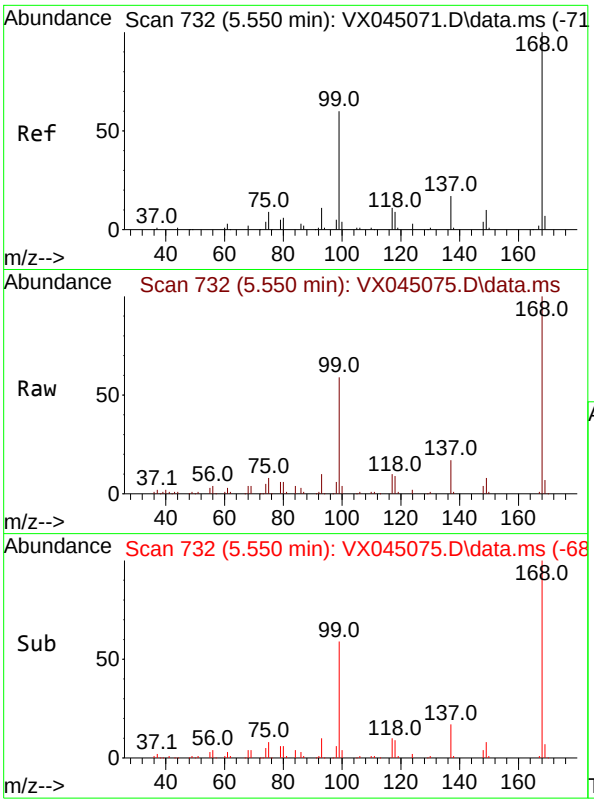
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

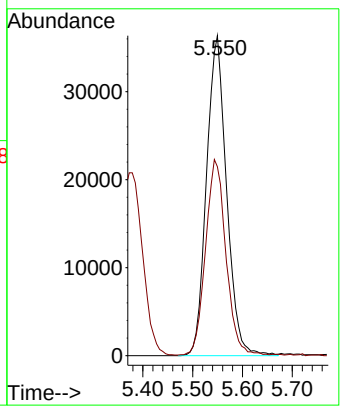




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

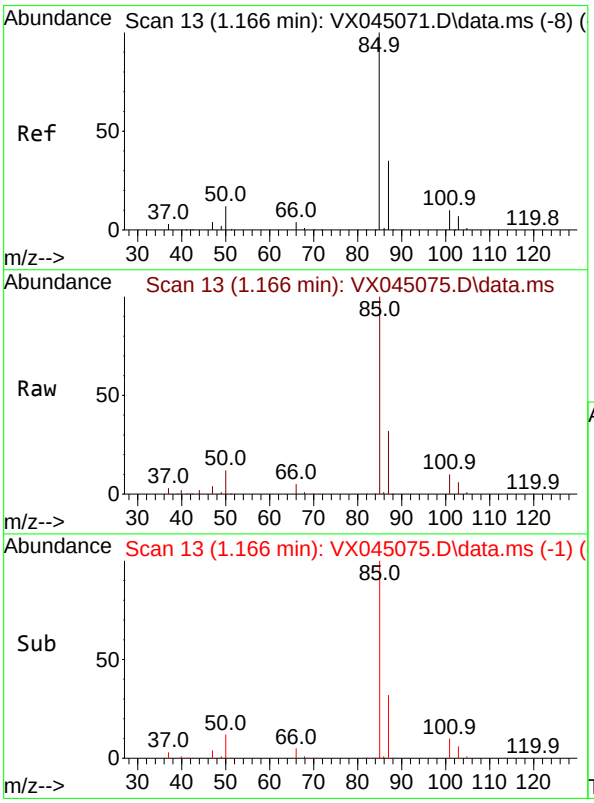
Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

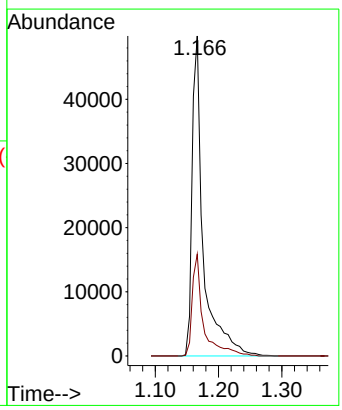
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

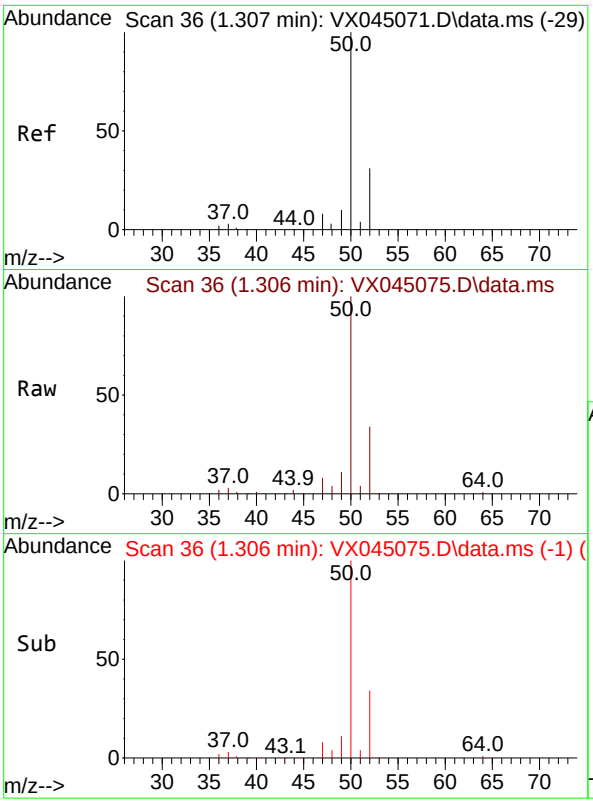


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

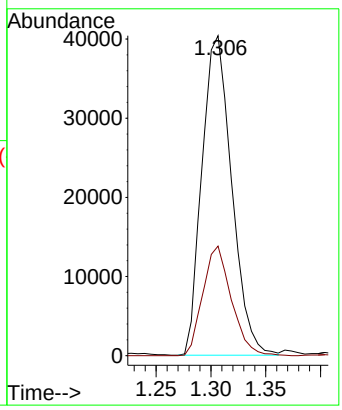




#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 50 Resp: 7621(

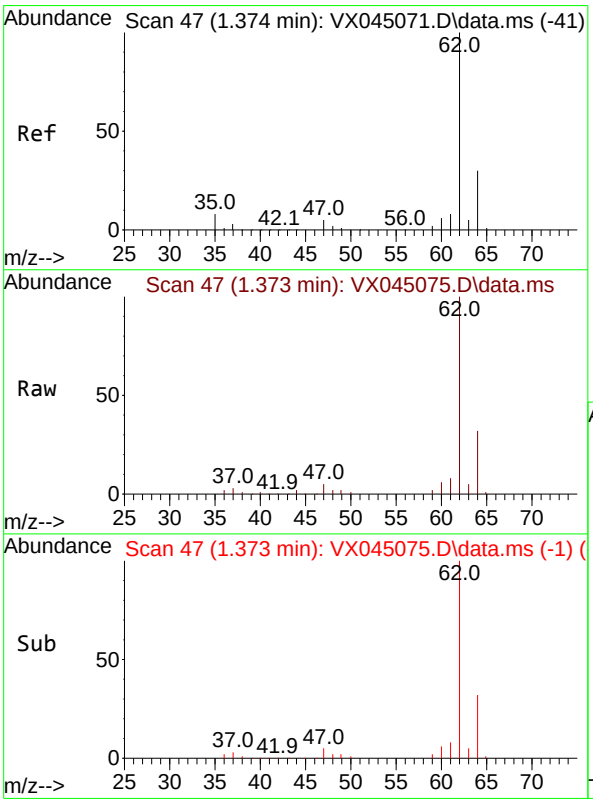
Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

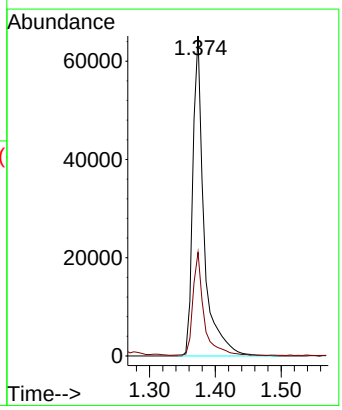
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

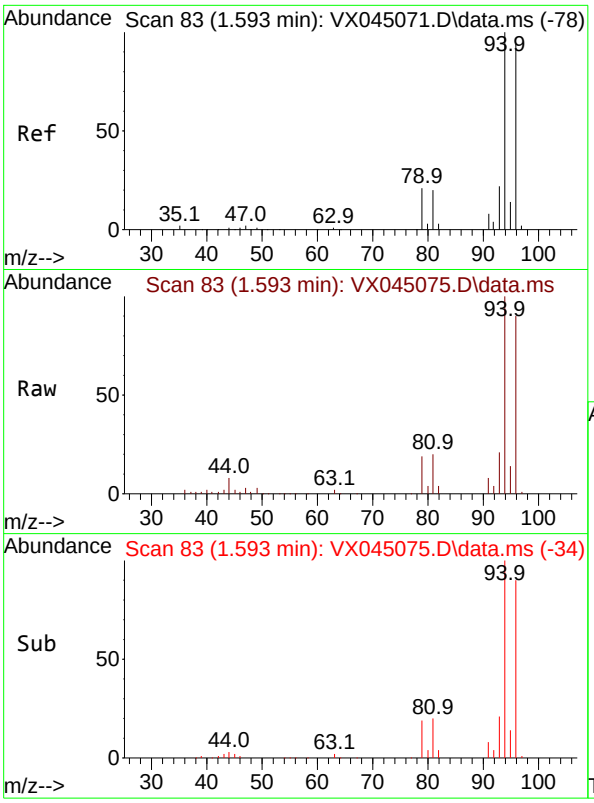


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

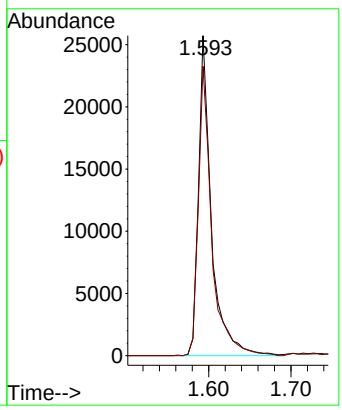




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

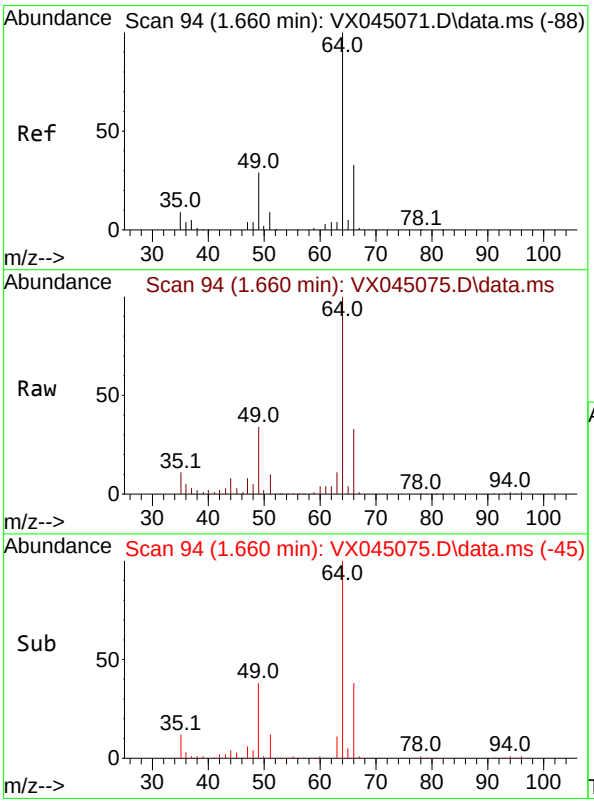
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

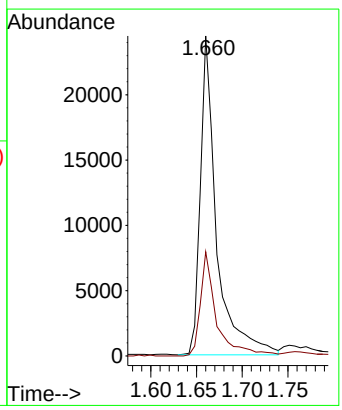
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

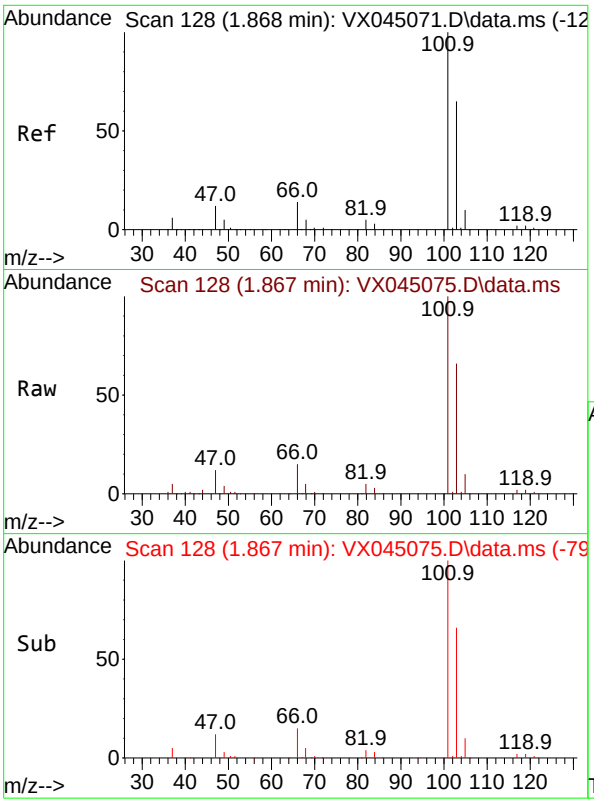


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

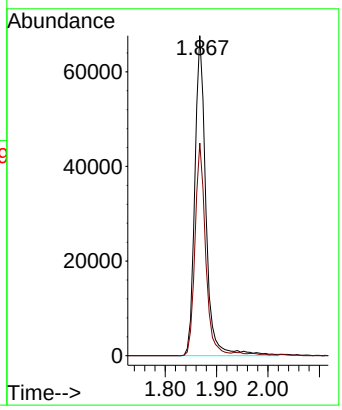




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

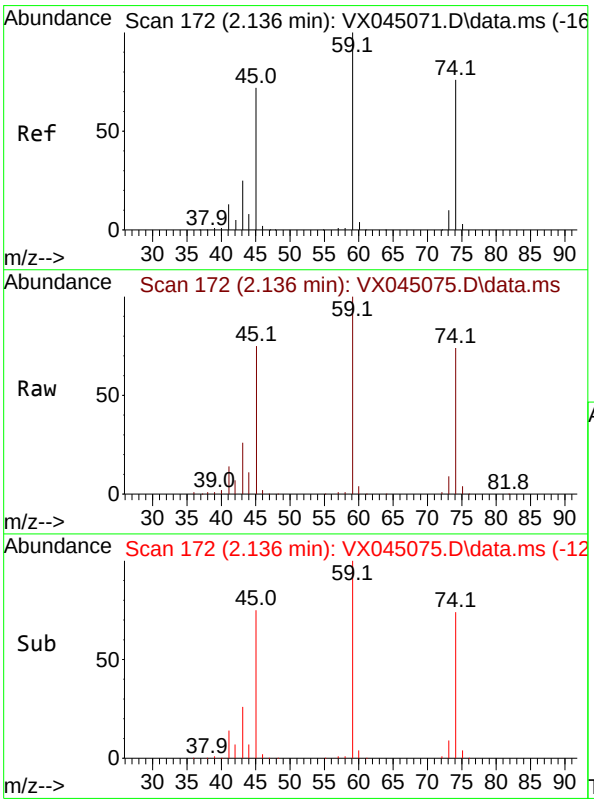
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

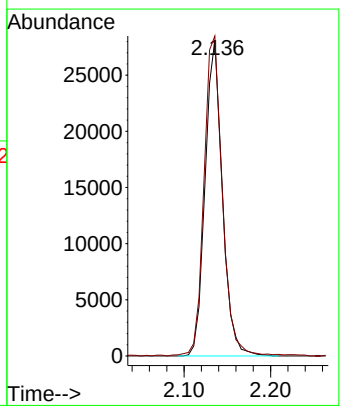
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

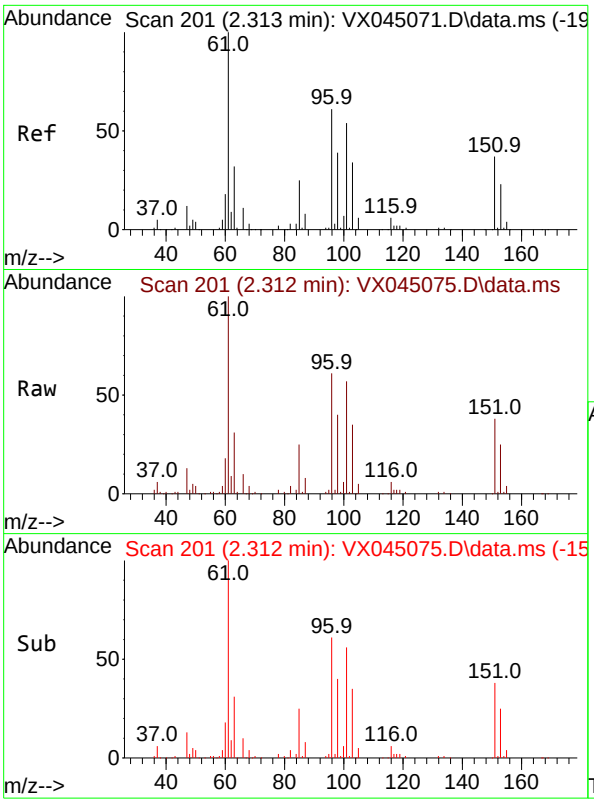


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5

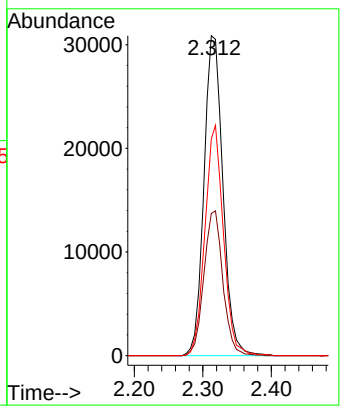




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 5947

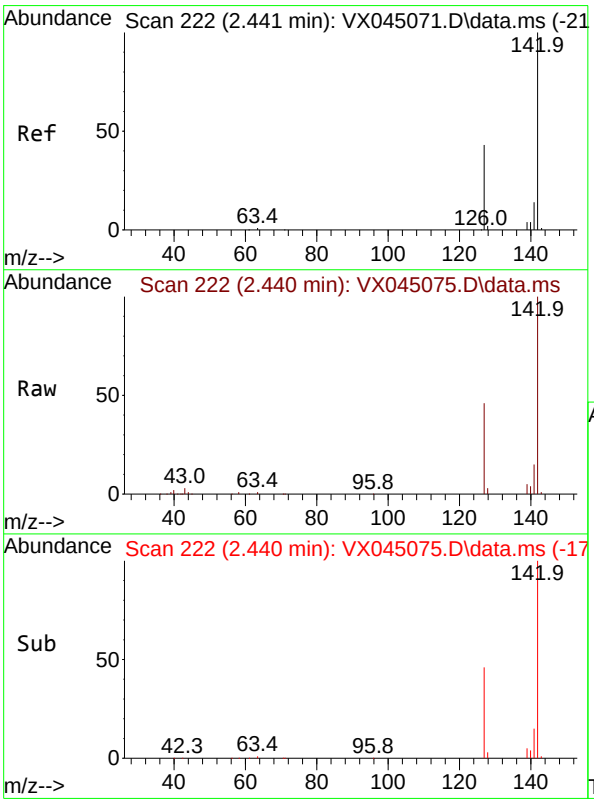
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

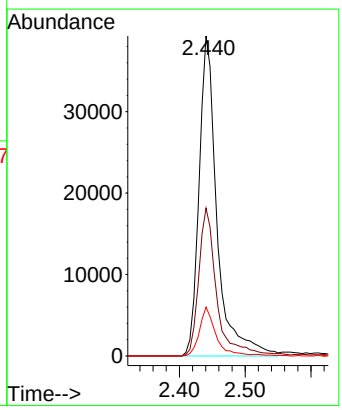
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

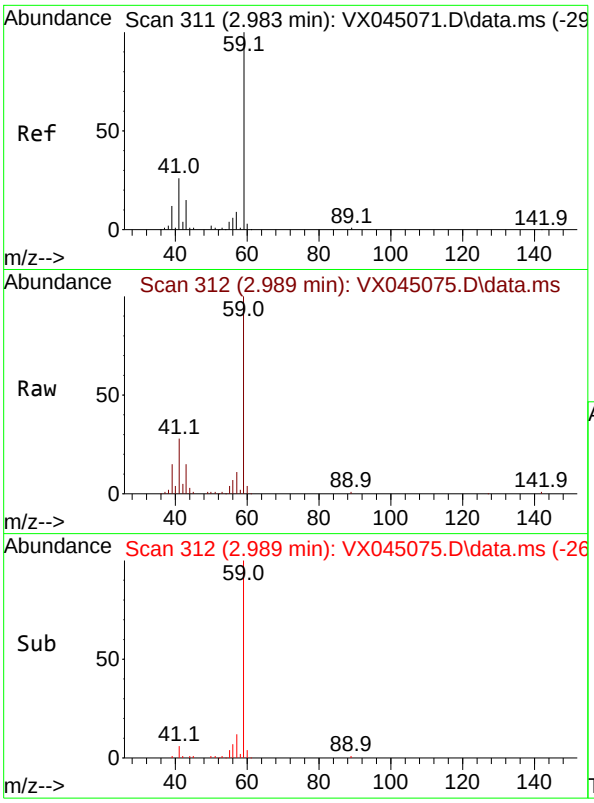


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4

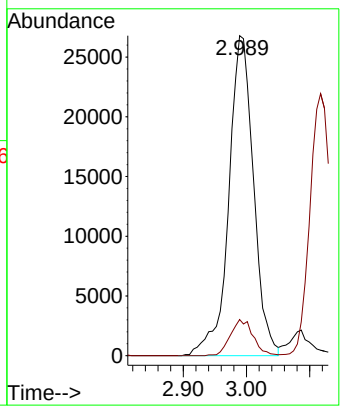




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

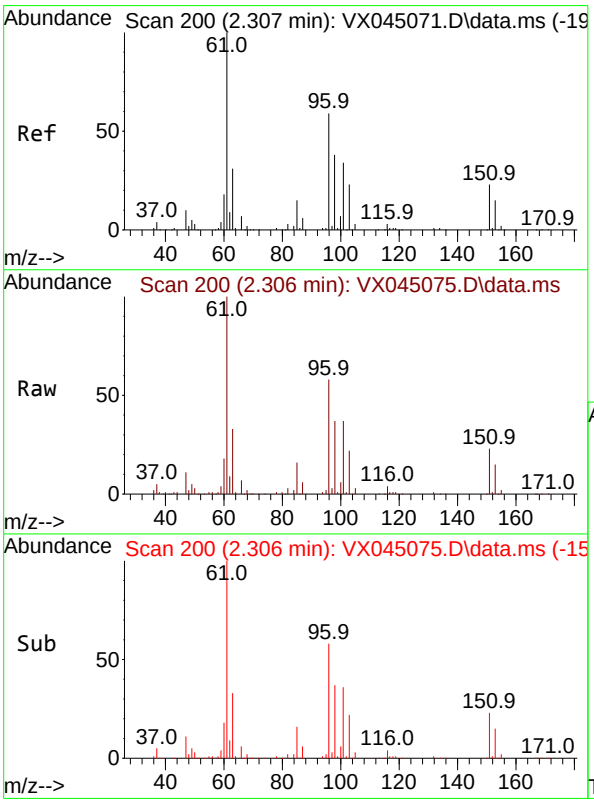
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

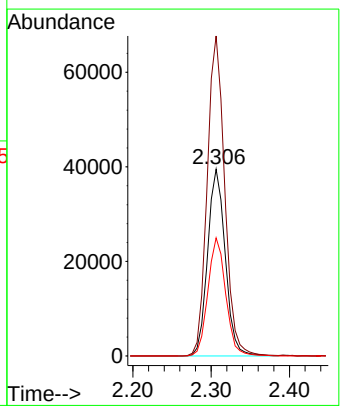
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

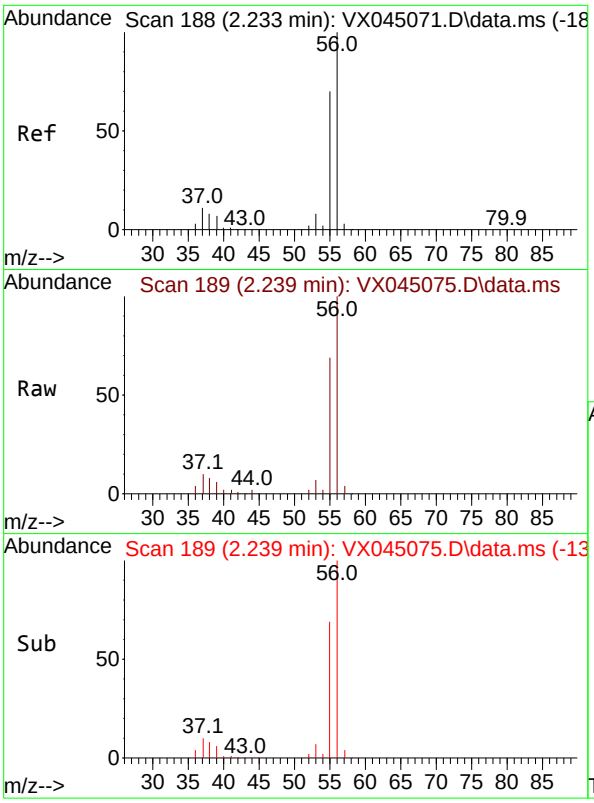


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6

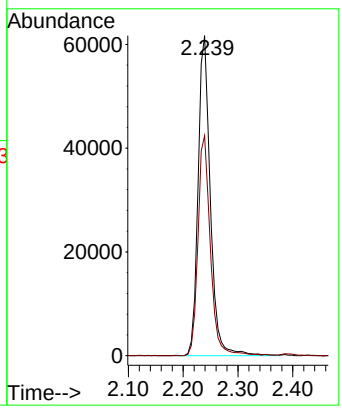




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

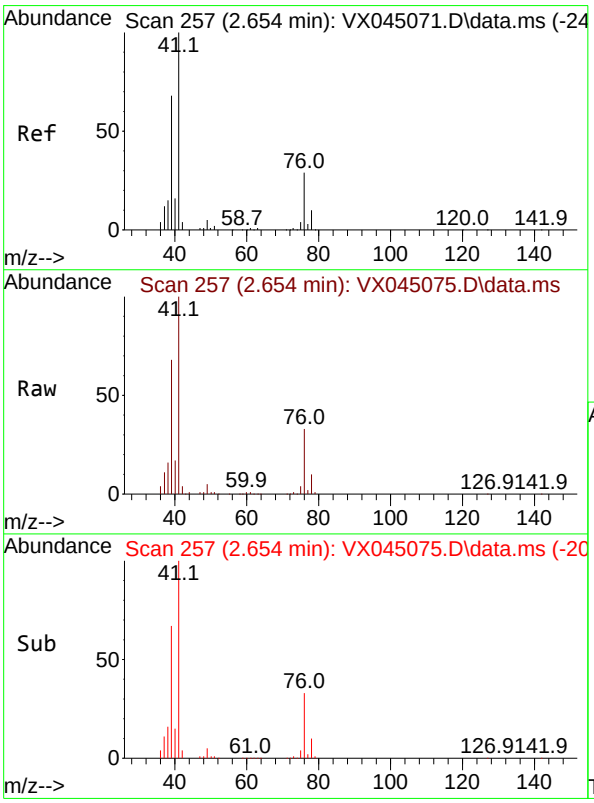
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

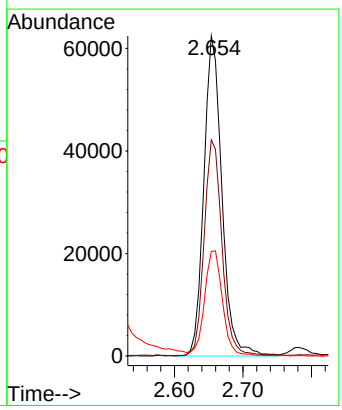
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

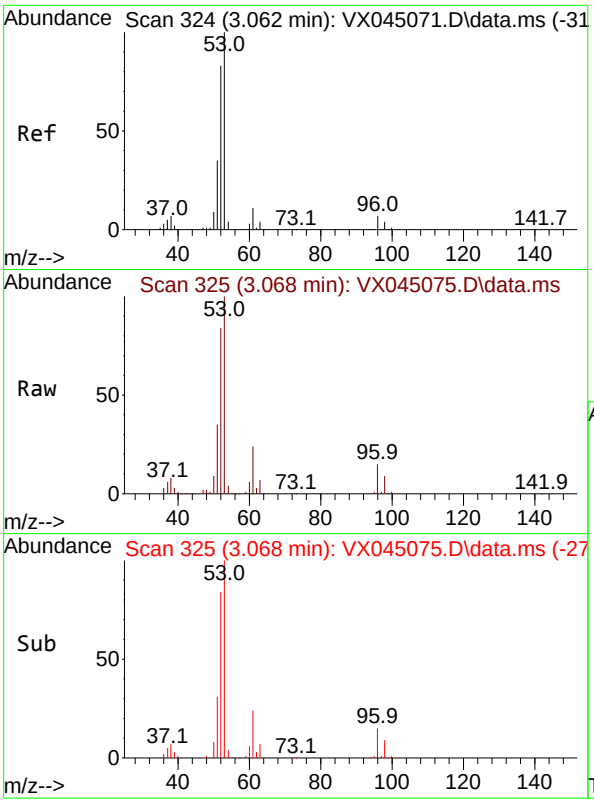


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8

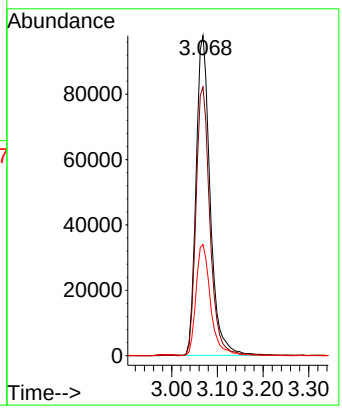




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

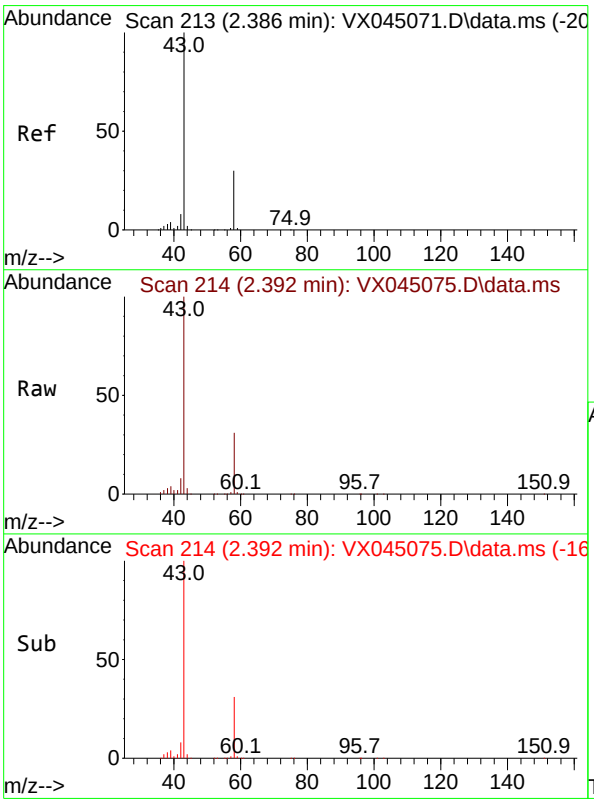
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

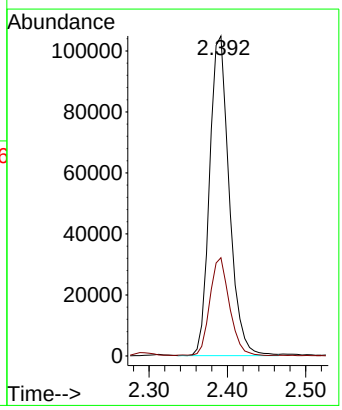
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

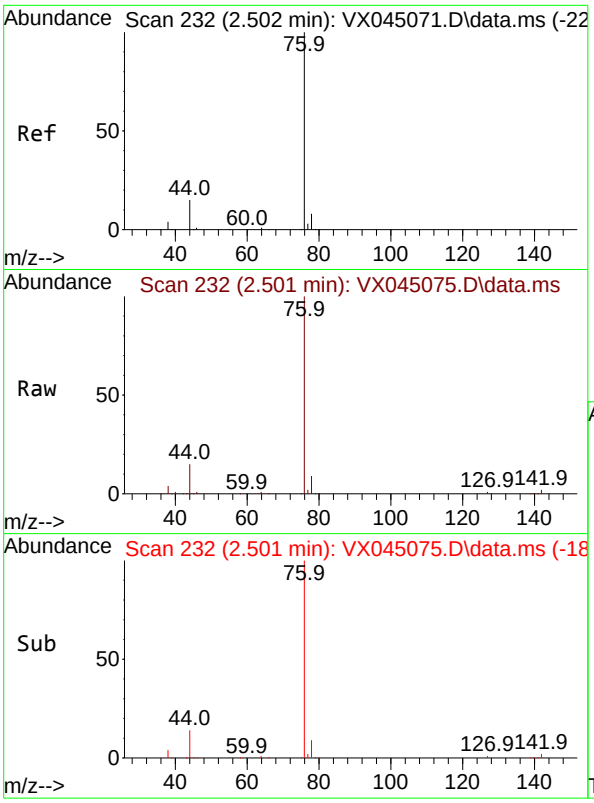


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

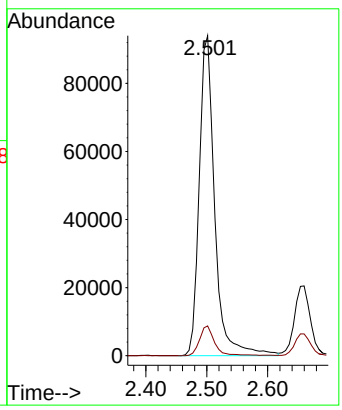




#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 16610

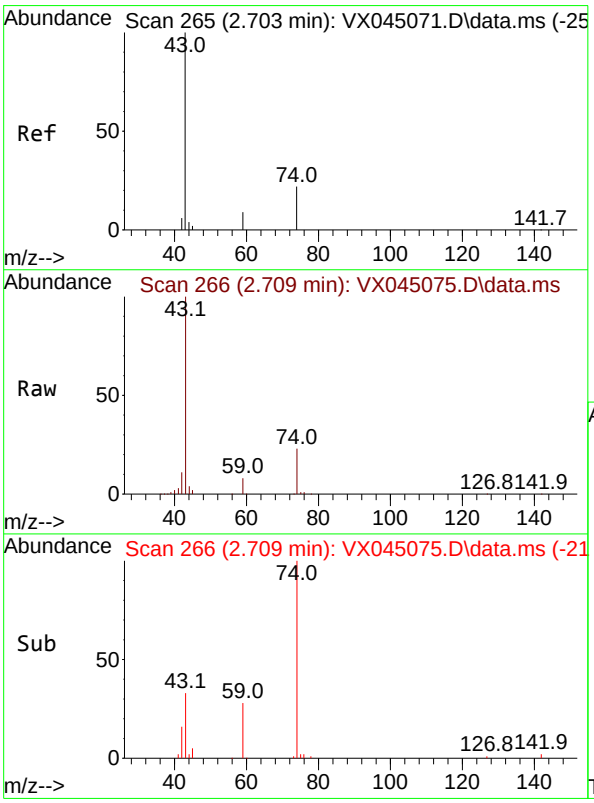
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

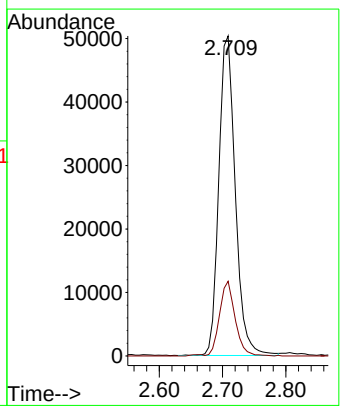
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

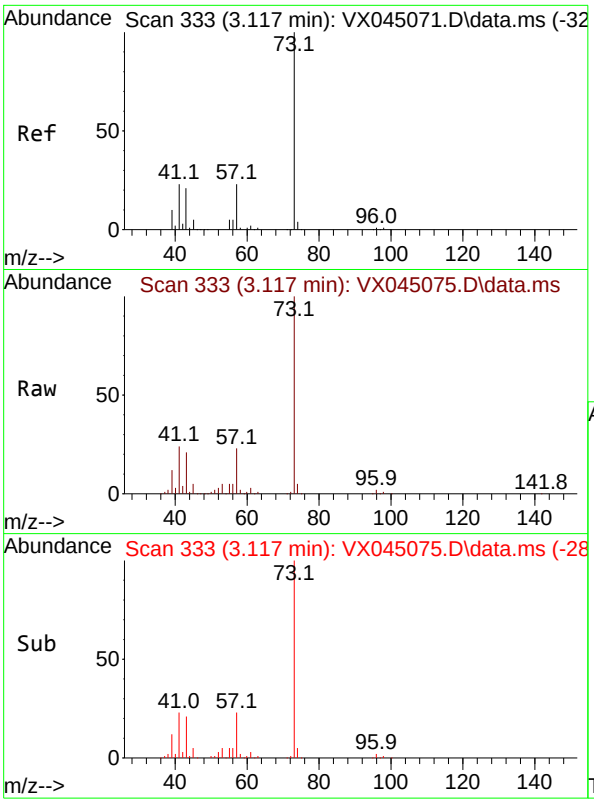


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

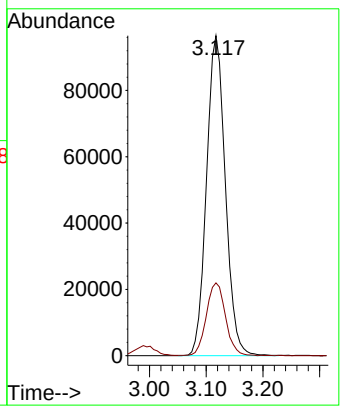




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

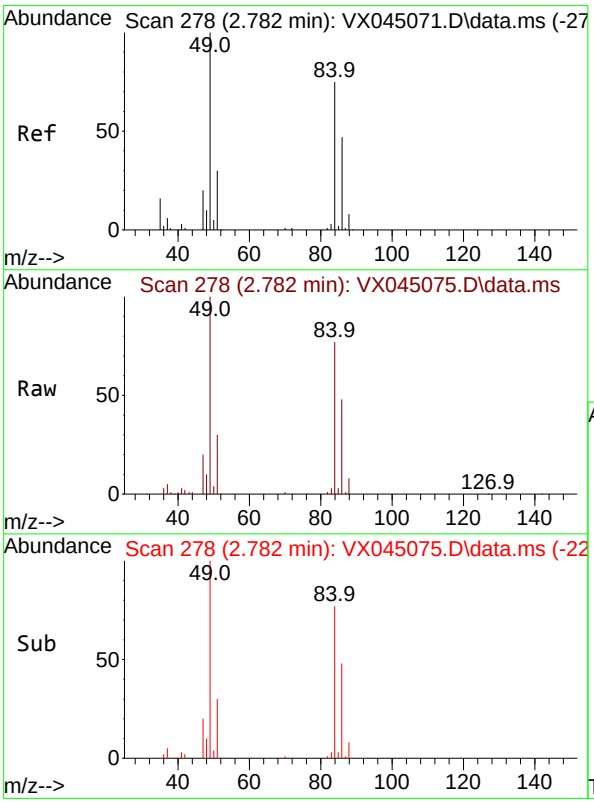
Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

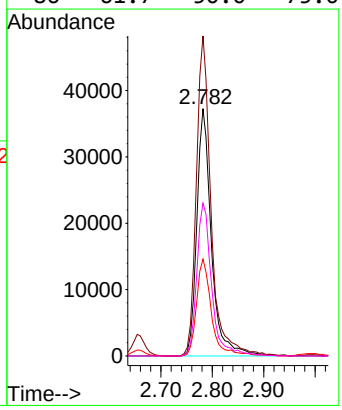
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

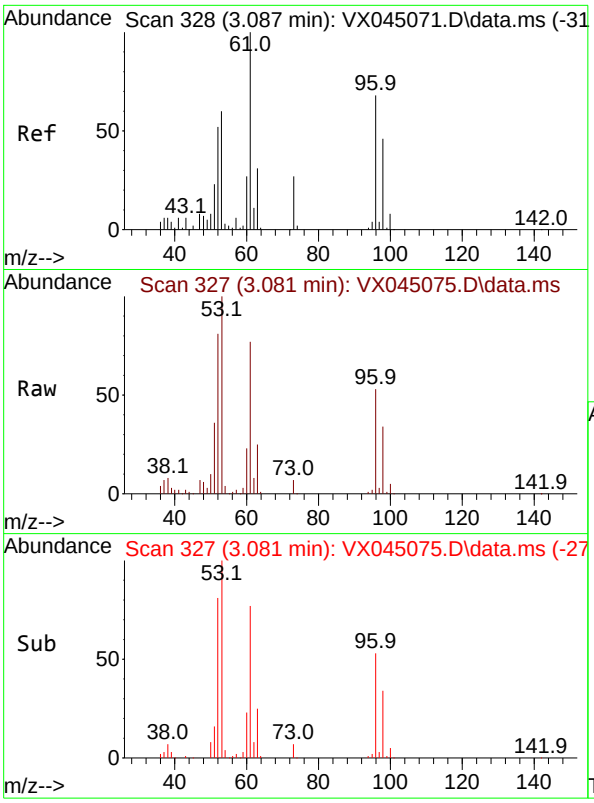


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0

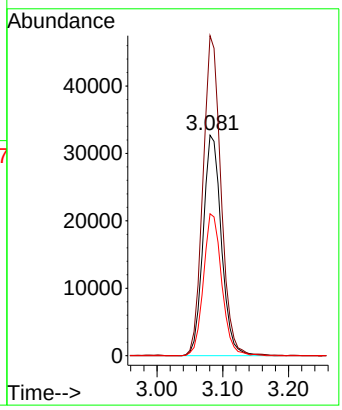




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

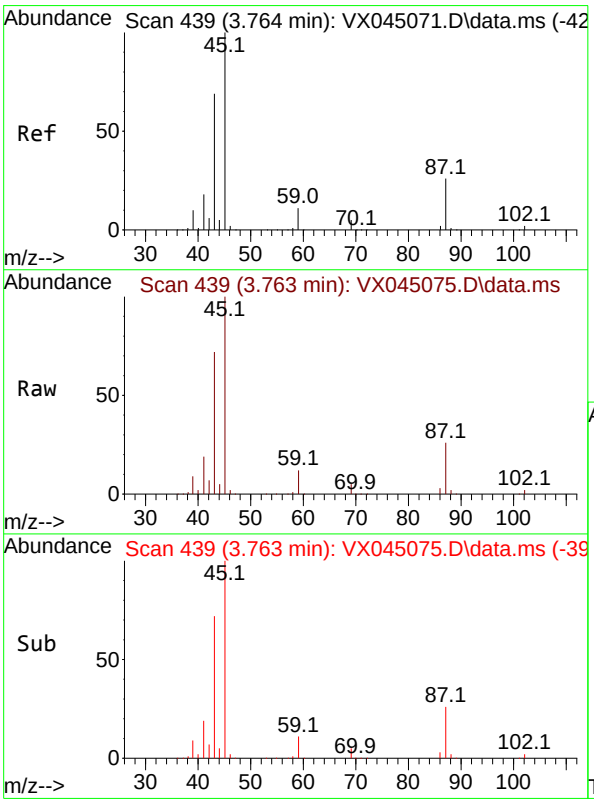
Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

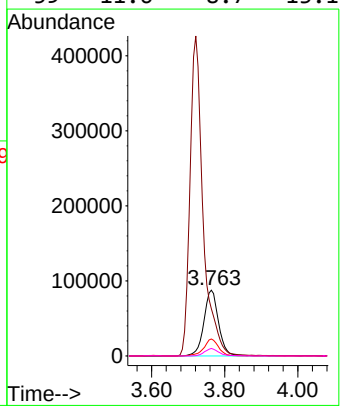
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

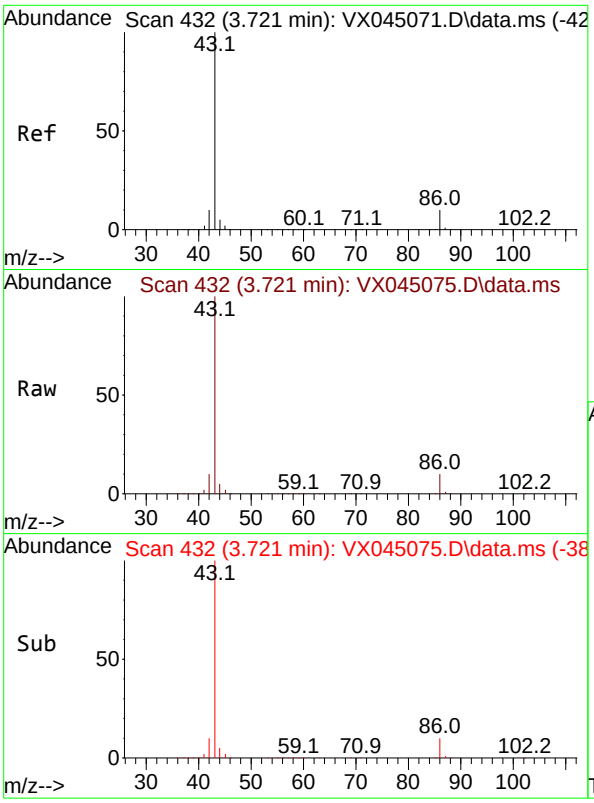


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1

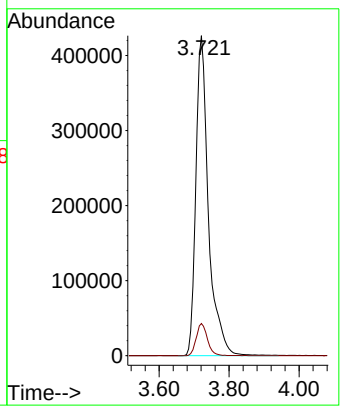




#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 106481

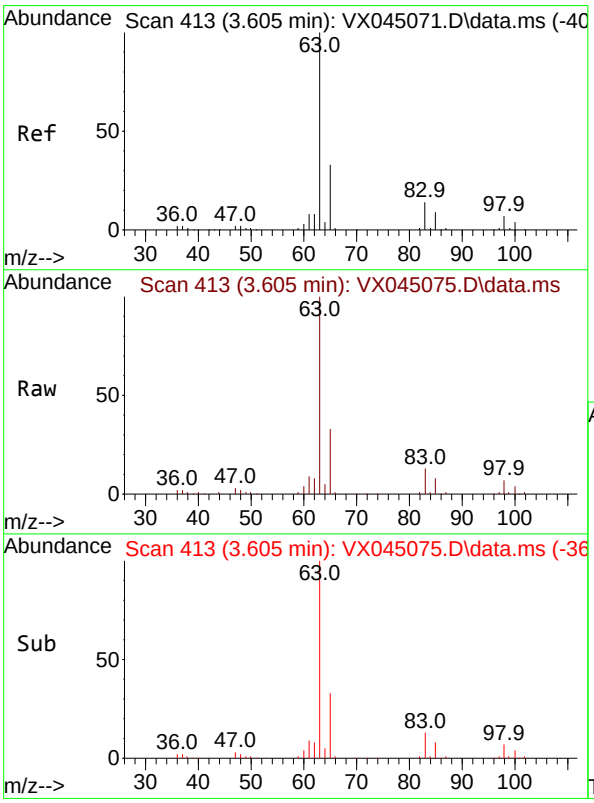
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

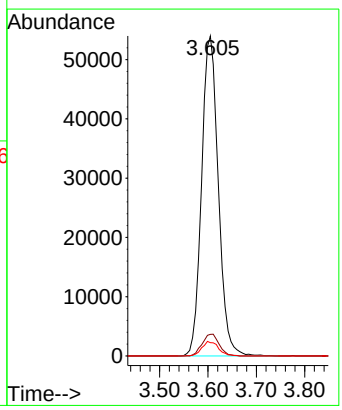
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

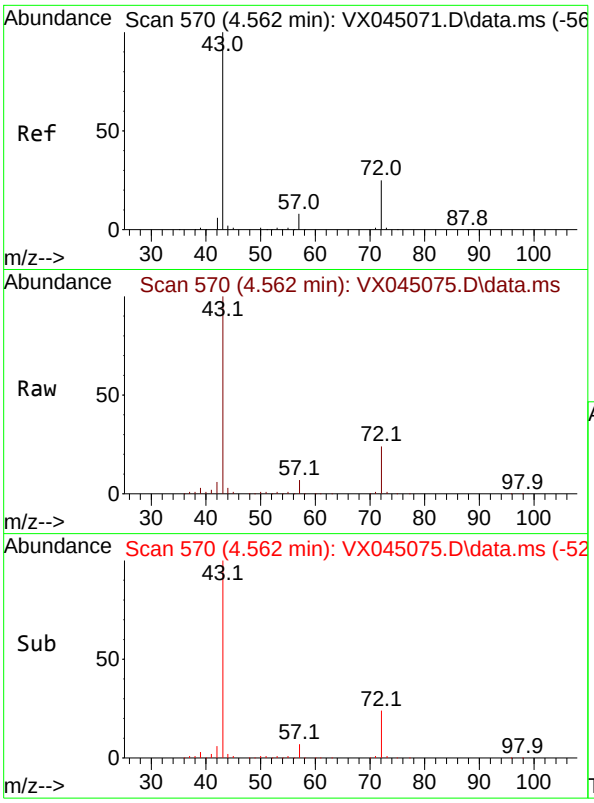


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

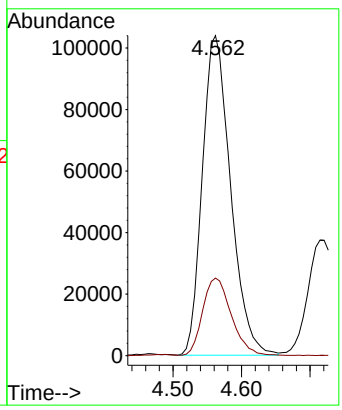
Tgt Ion: 43 Resp: 29802

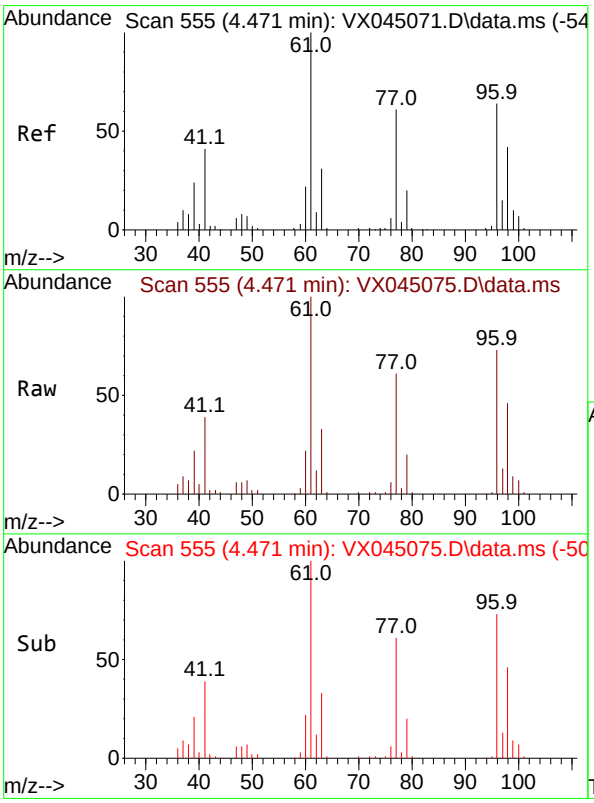
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

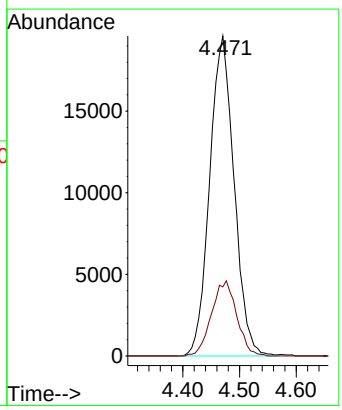


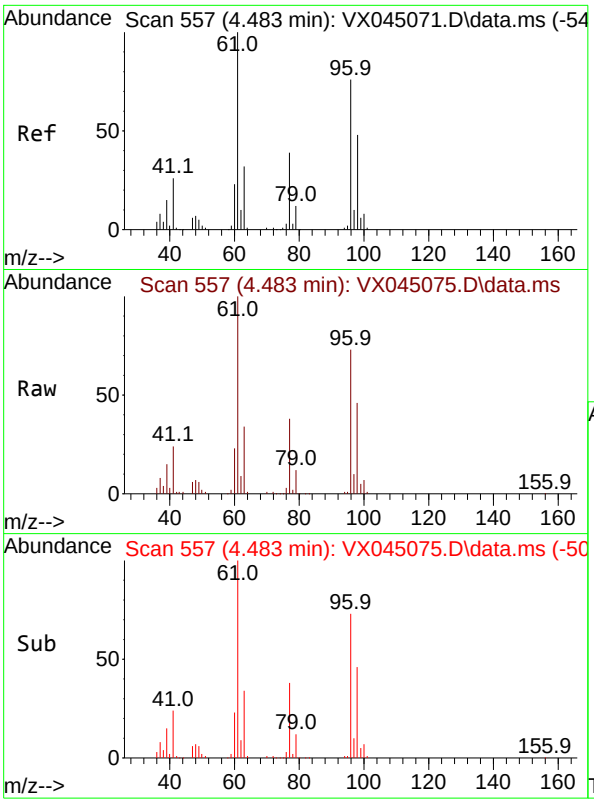


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

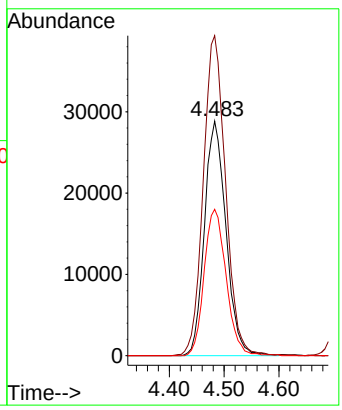




#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

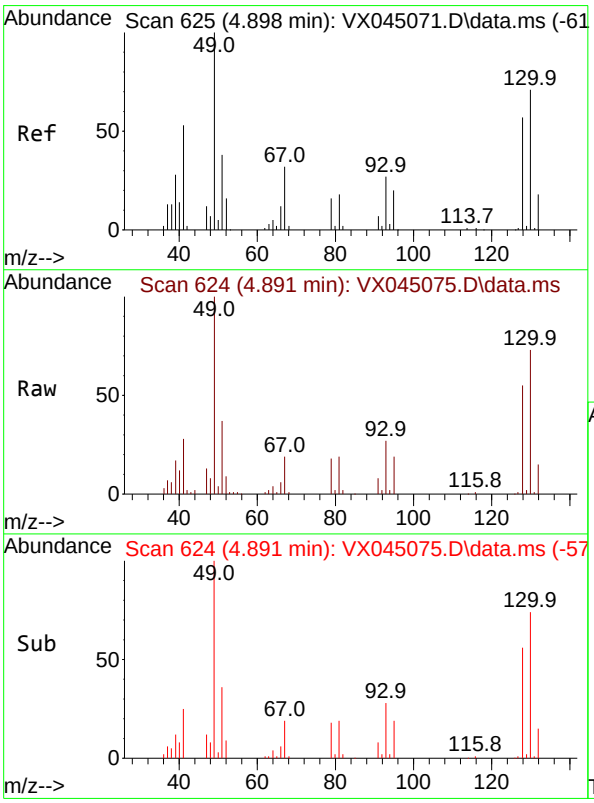
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

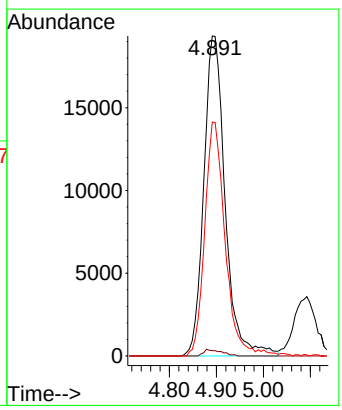
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

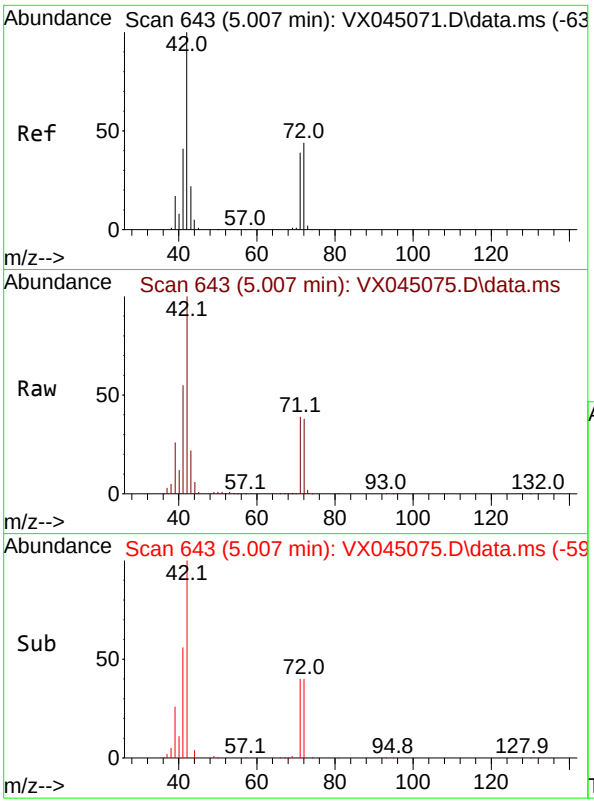


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1

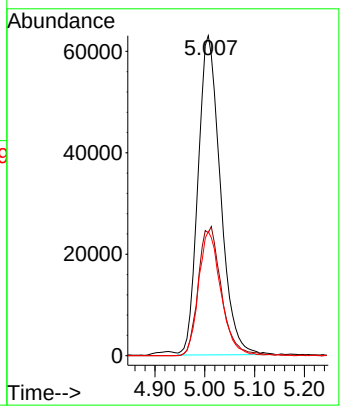




#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 42 Resp: 19576

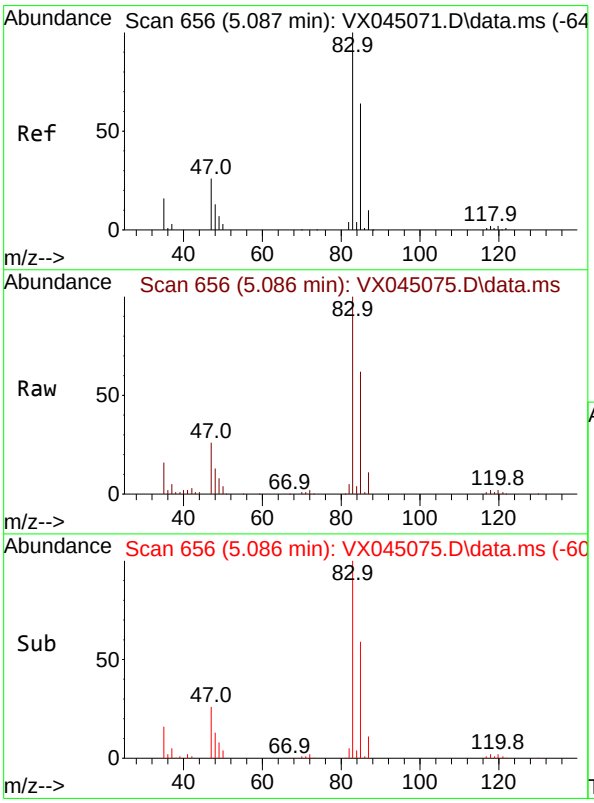
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

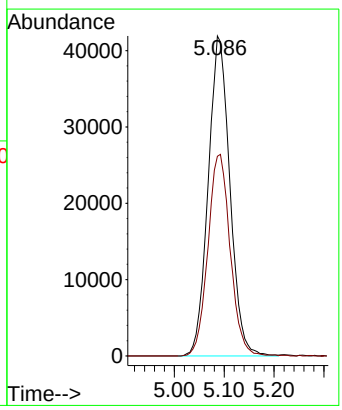
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

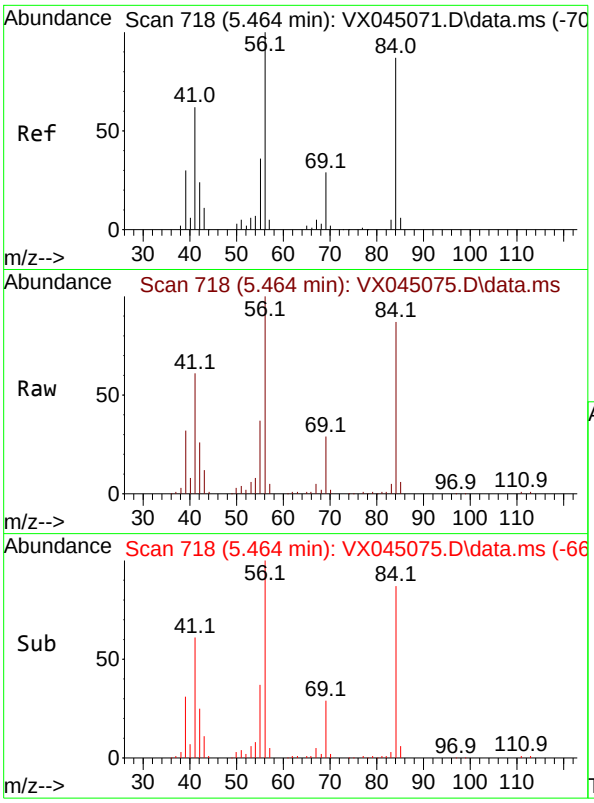


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

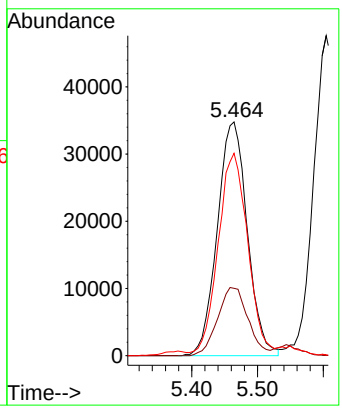




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

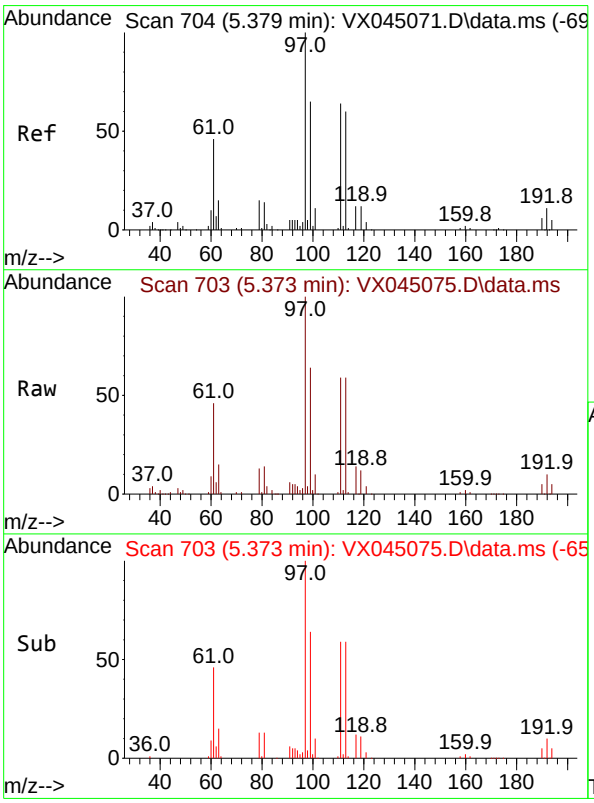
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

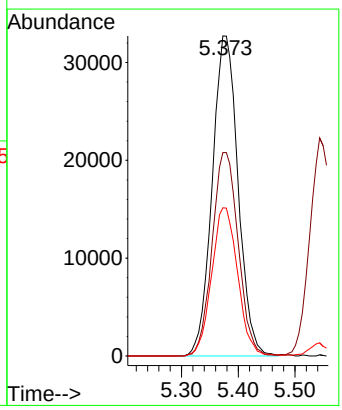
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

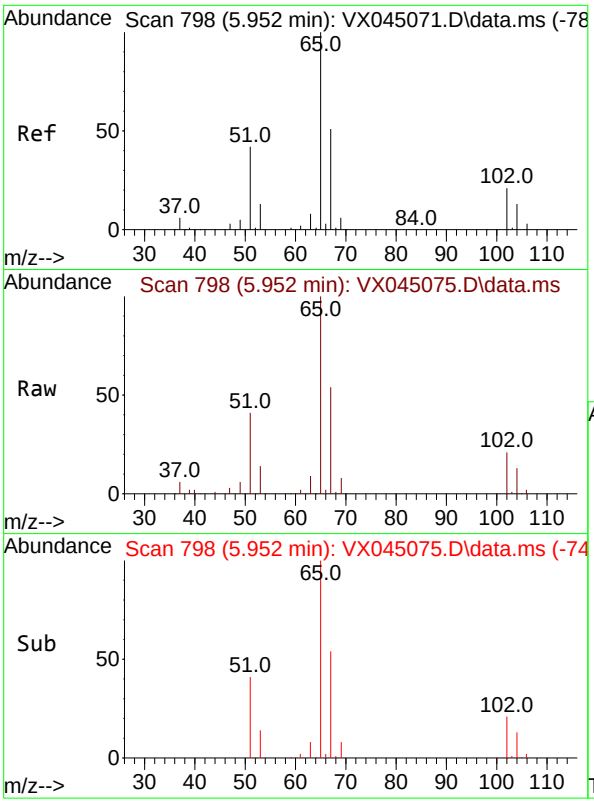


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6

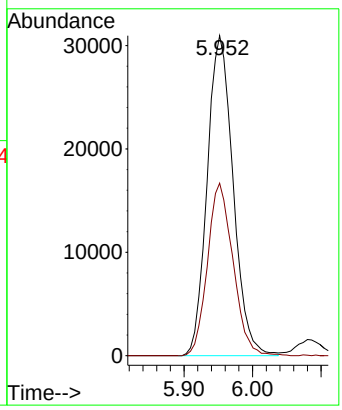




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

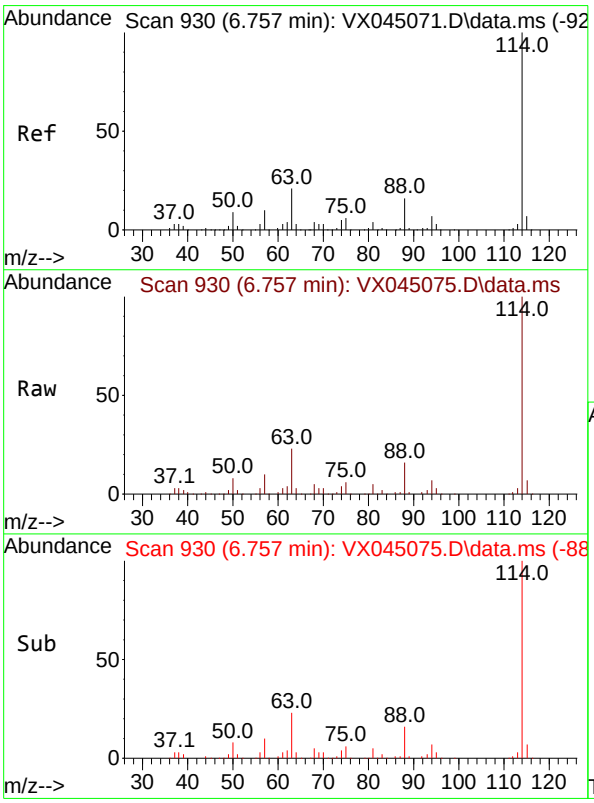
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

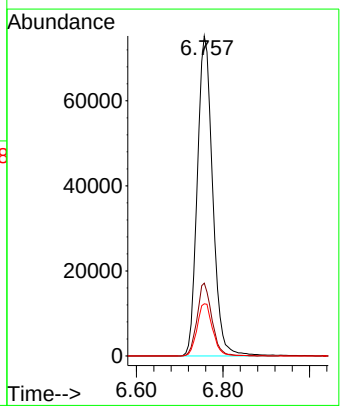
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

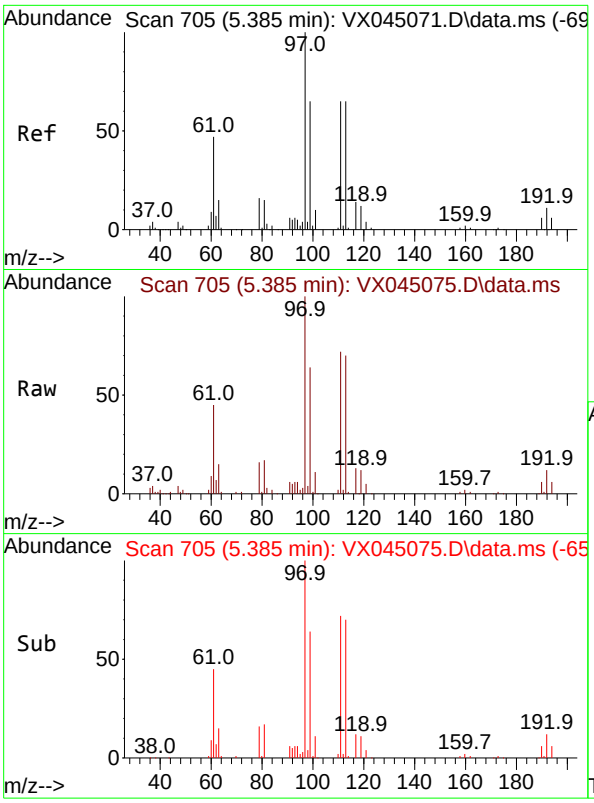


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8

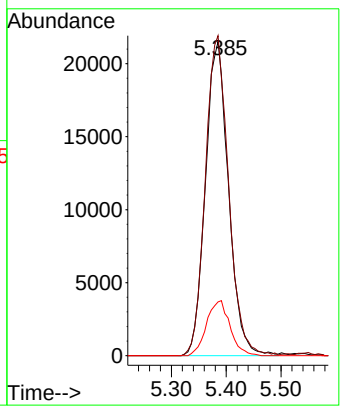




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

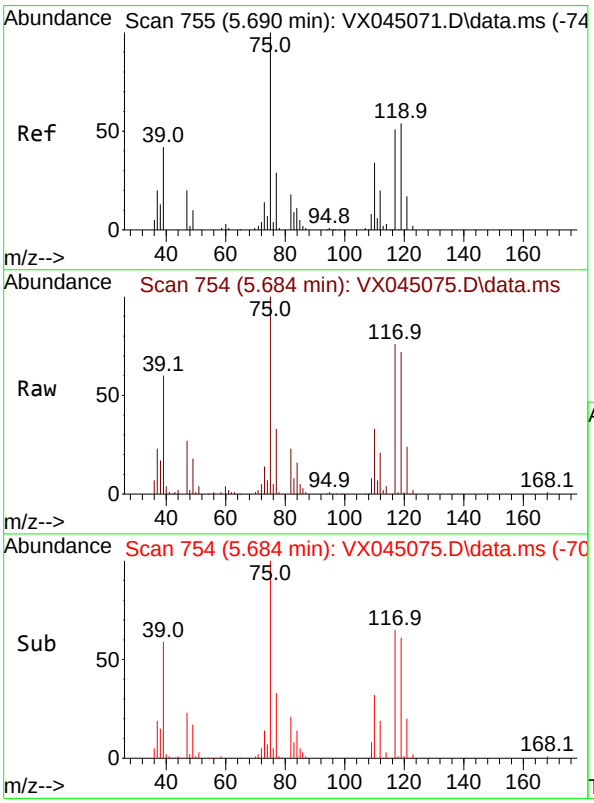
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

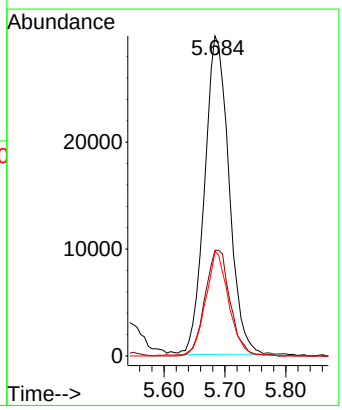
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

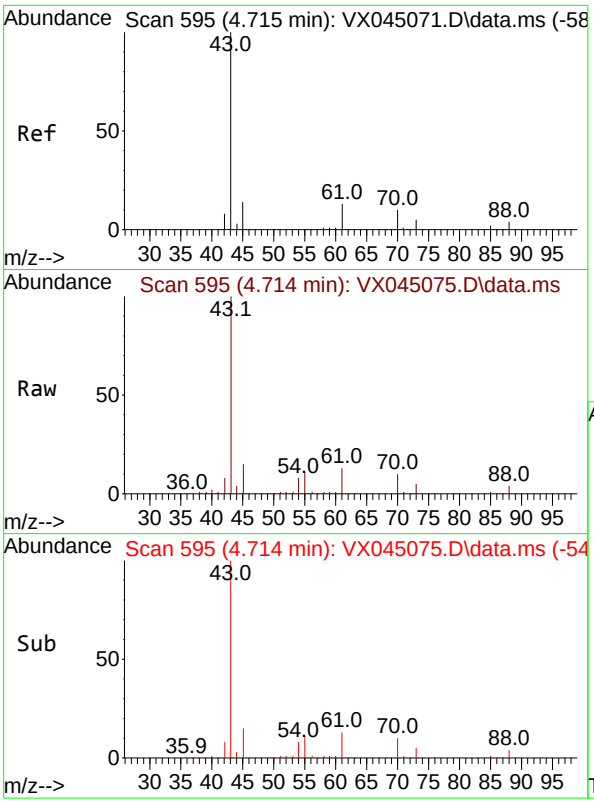


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7

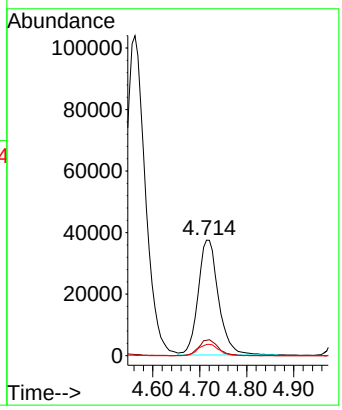




#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 11276

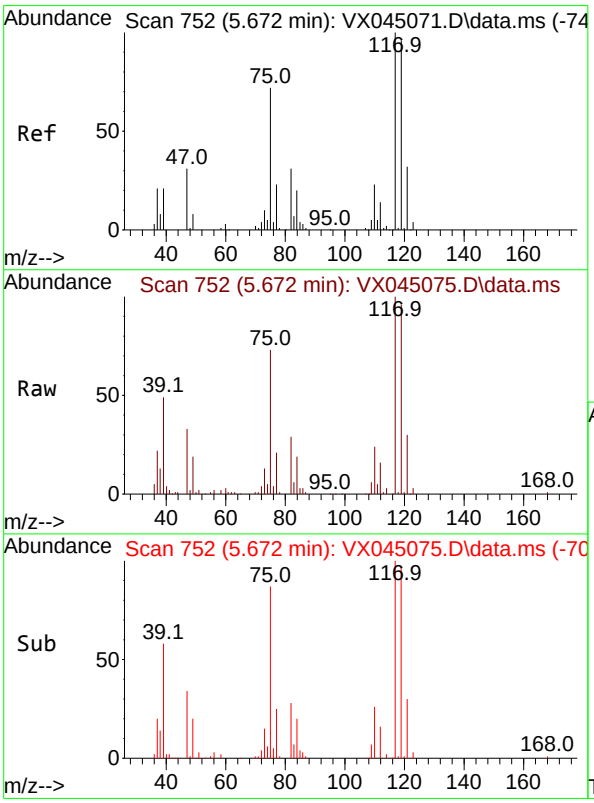
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

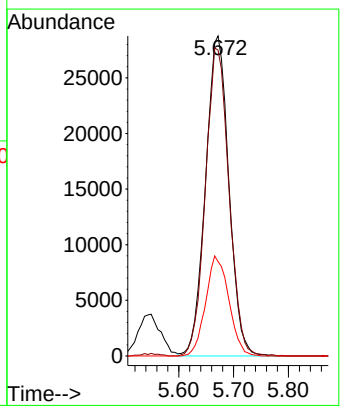
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

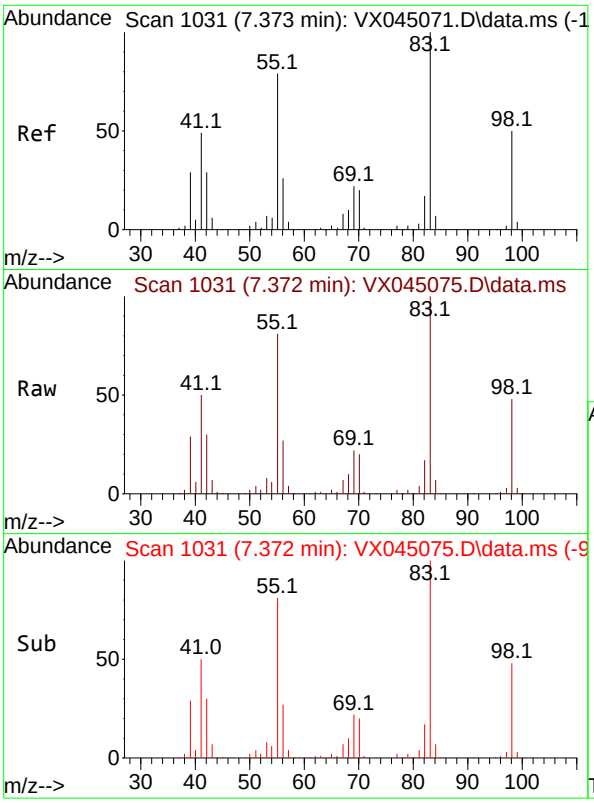


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3

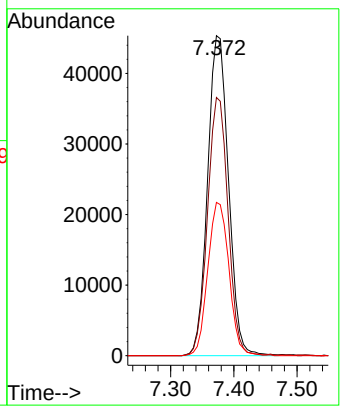




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

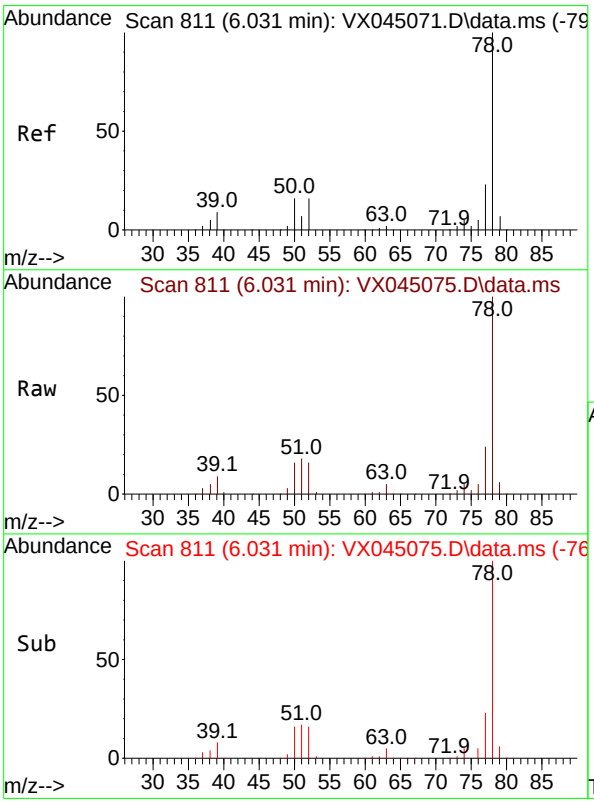
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

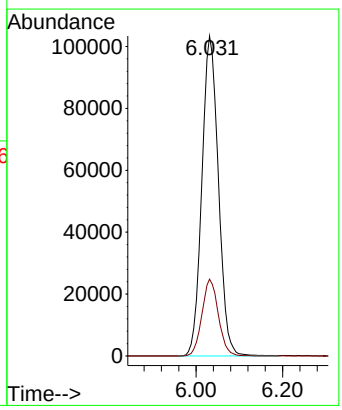
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

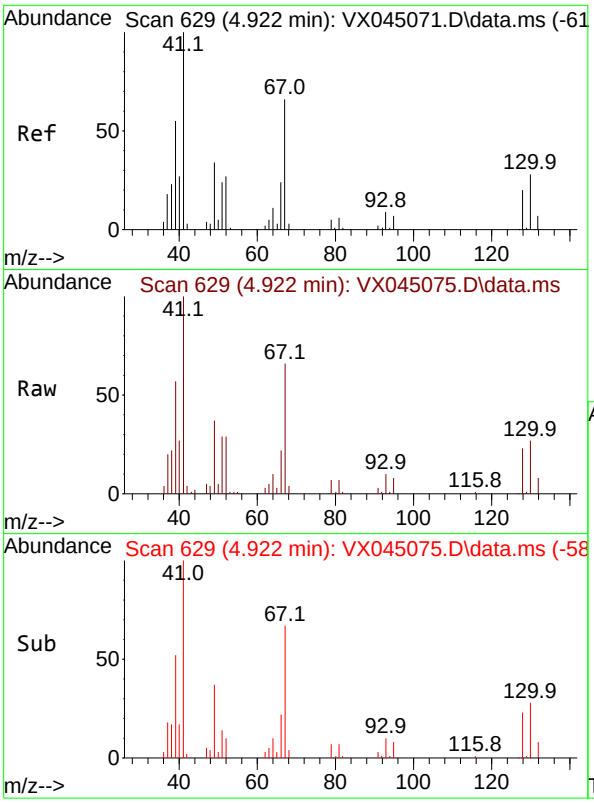


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

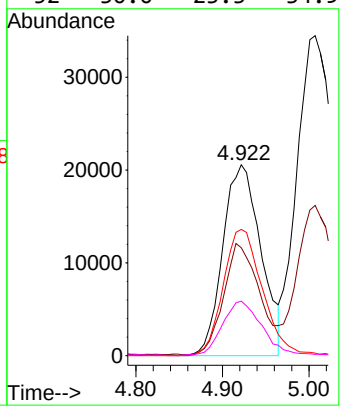




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

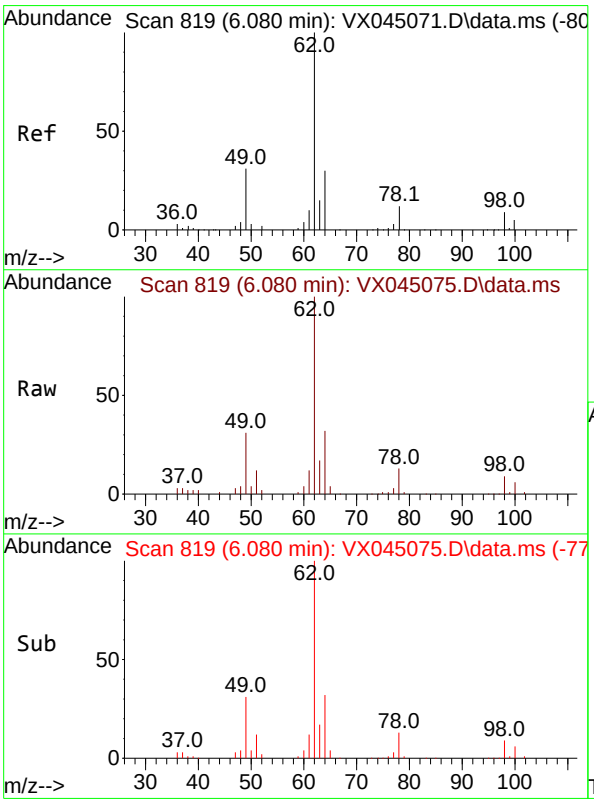
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

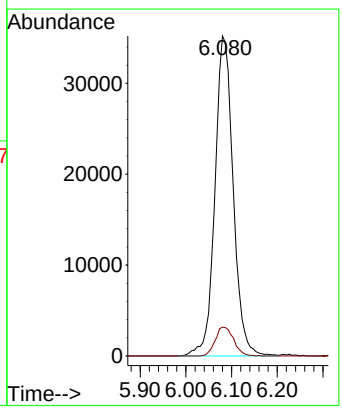
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

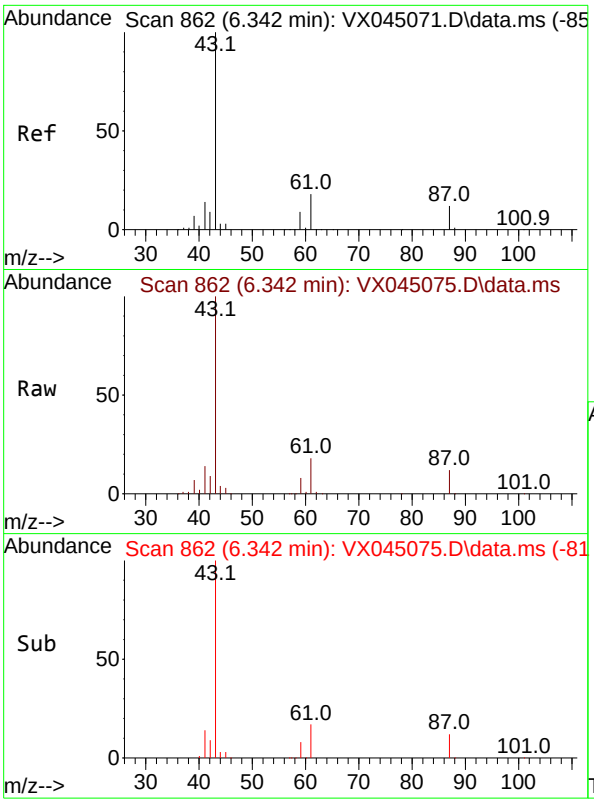


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

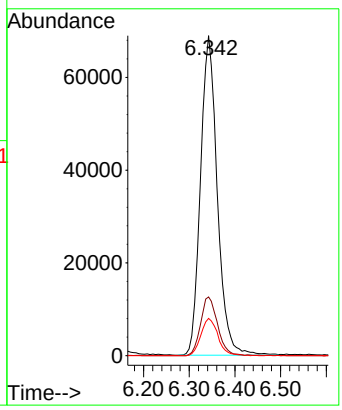
Tgt Ion: 43 Resp: 17598

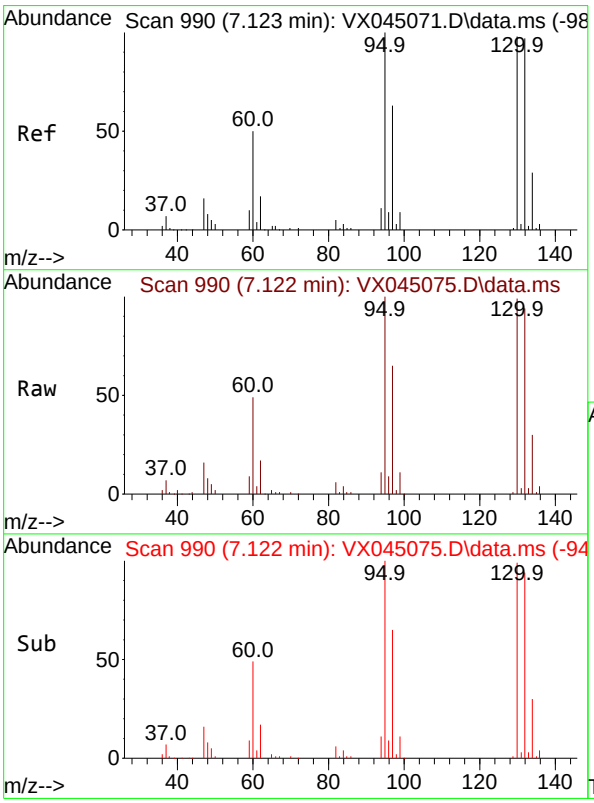
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

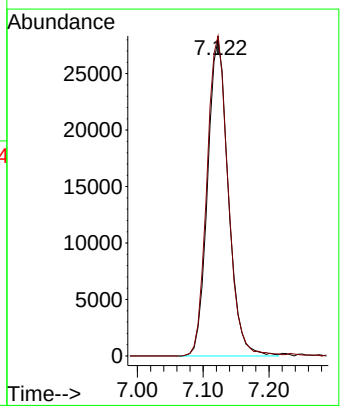


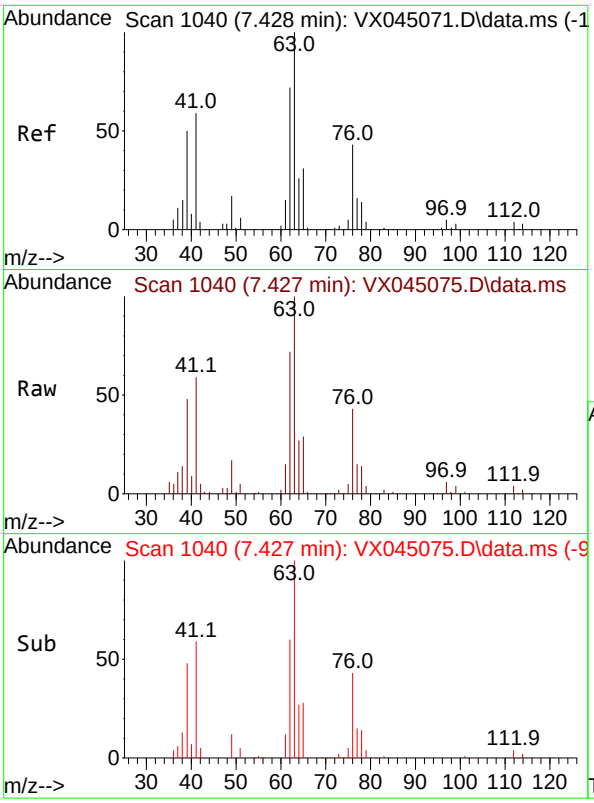


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

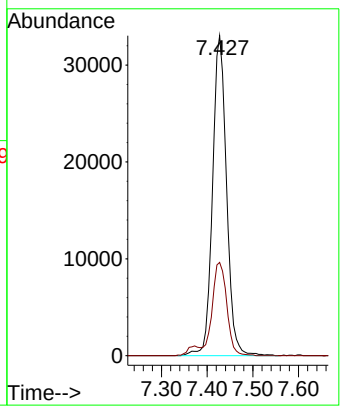




#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 7035

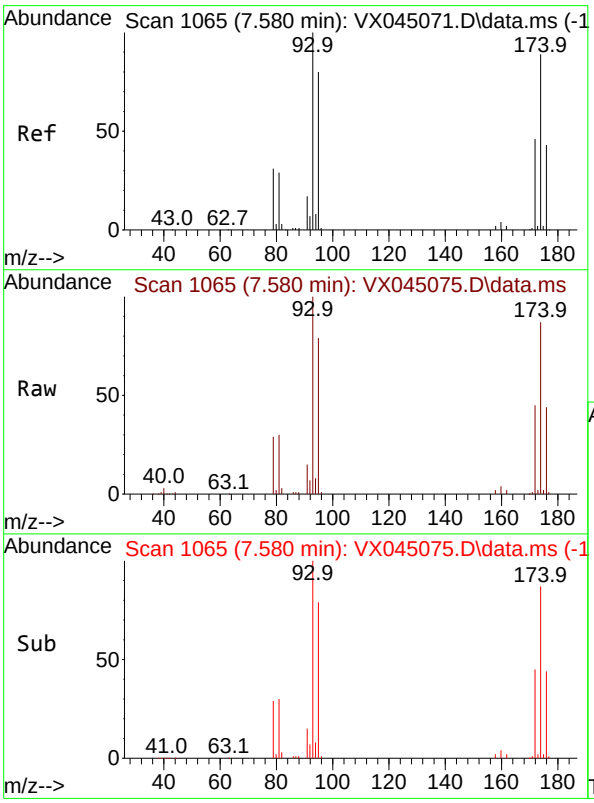
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

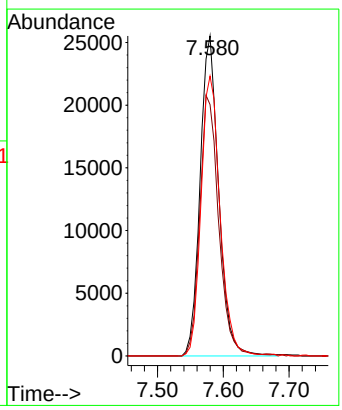
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

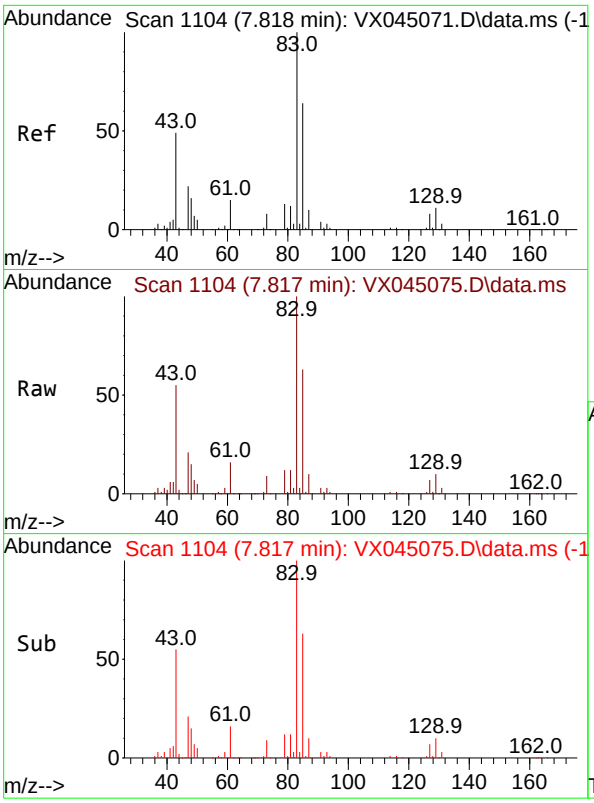


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2

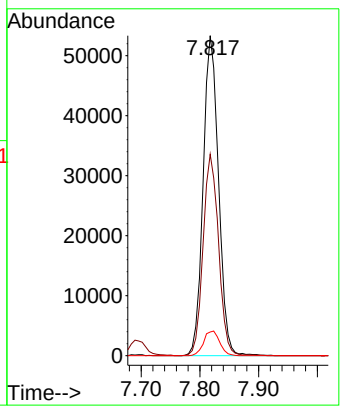




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

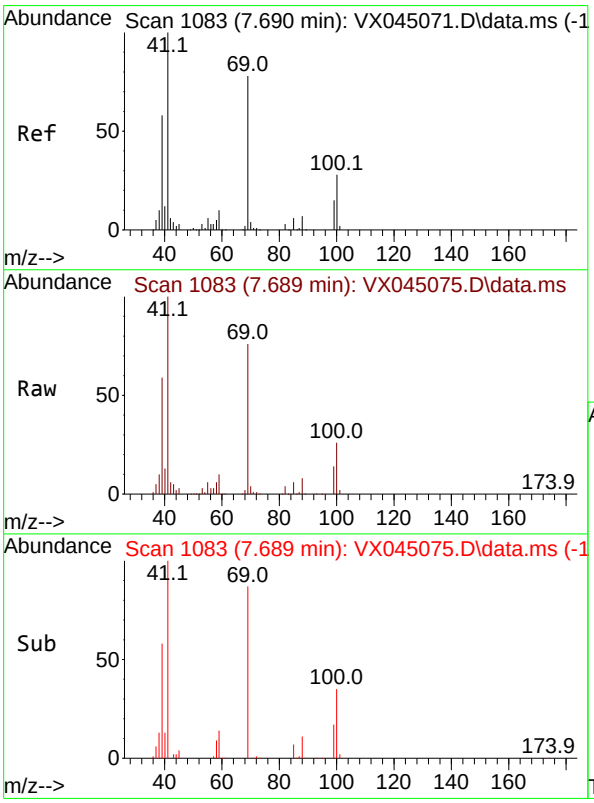
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

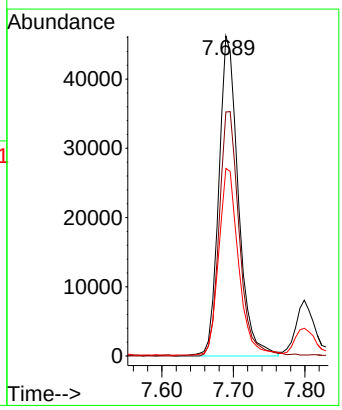
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

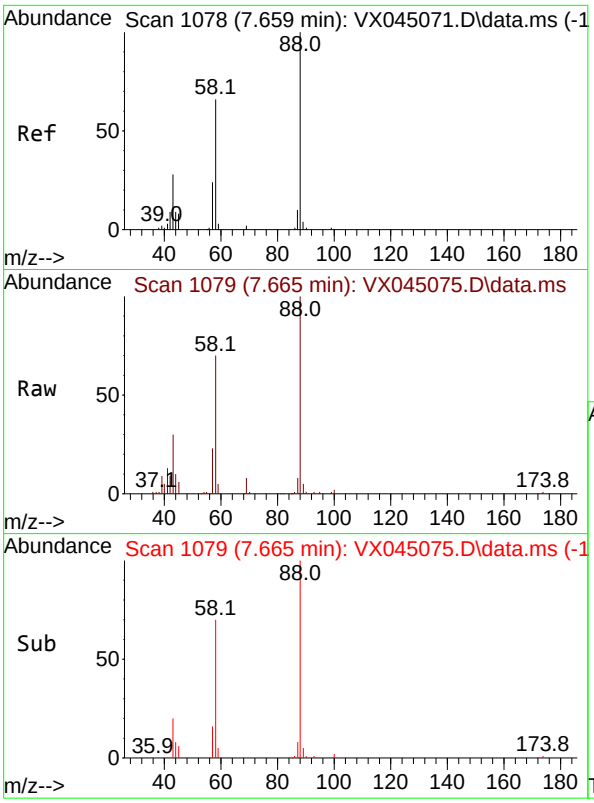


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

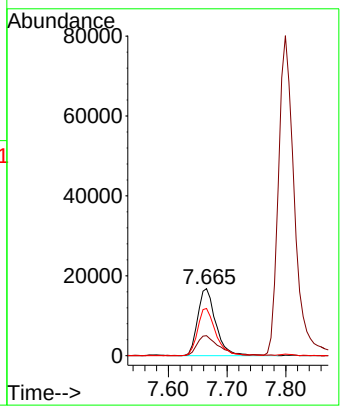
Tgt Ion: 88 Resp: 3587

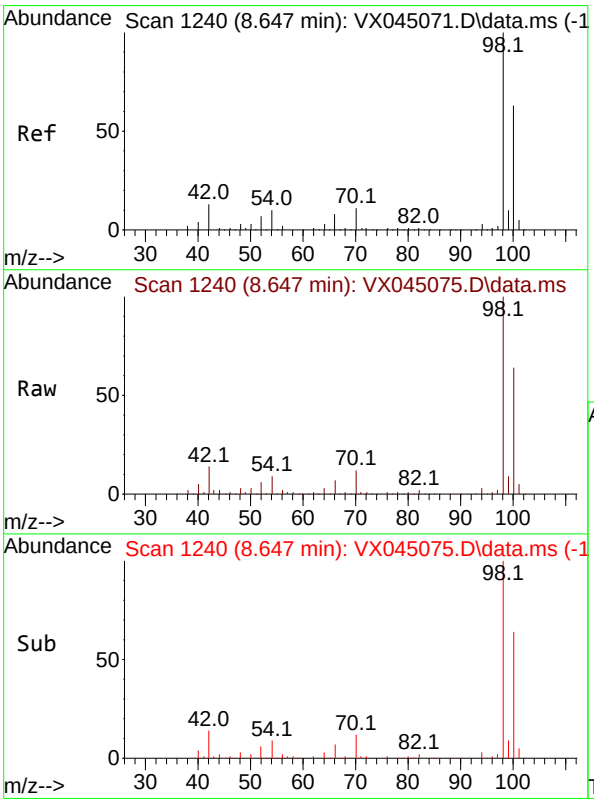
Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

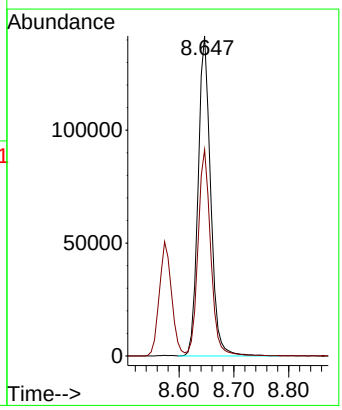


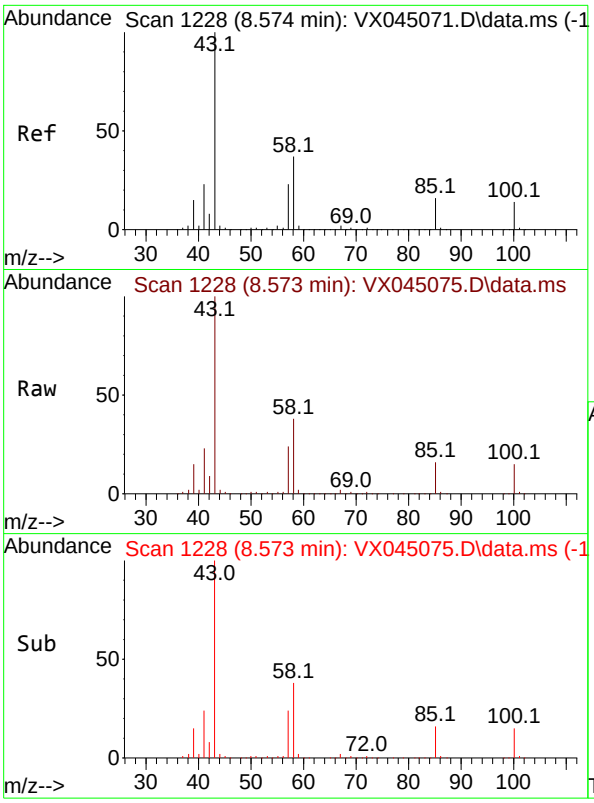


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

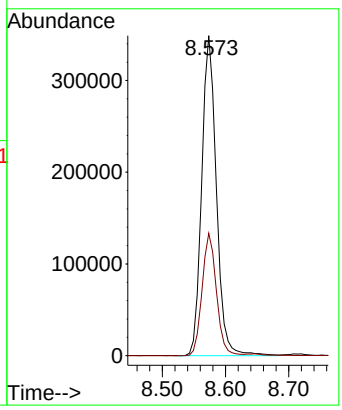
Tgt Ion: 43 Resp: 56419

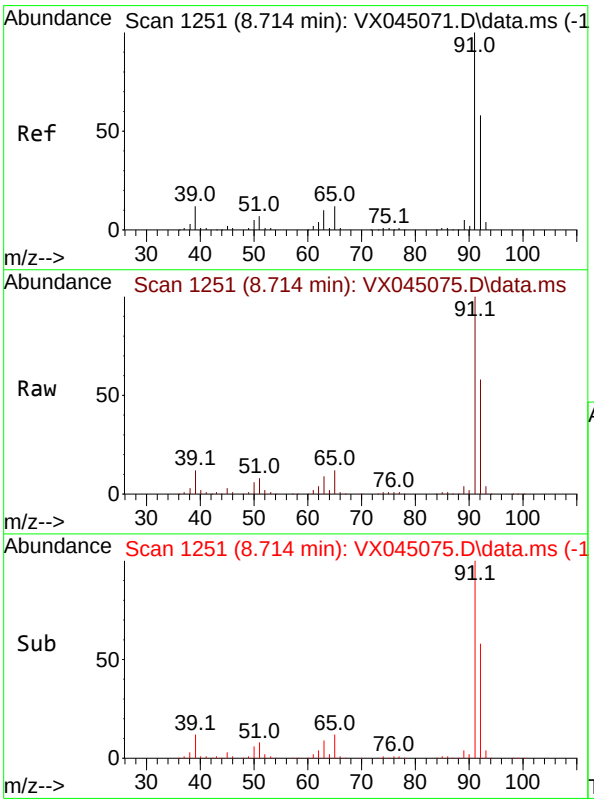
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

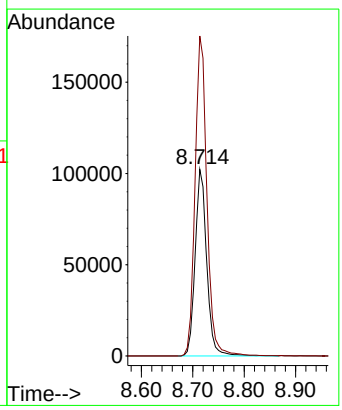


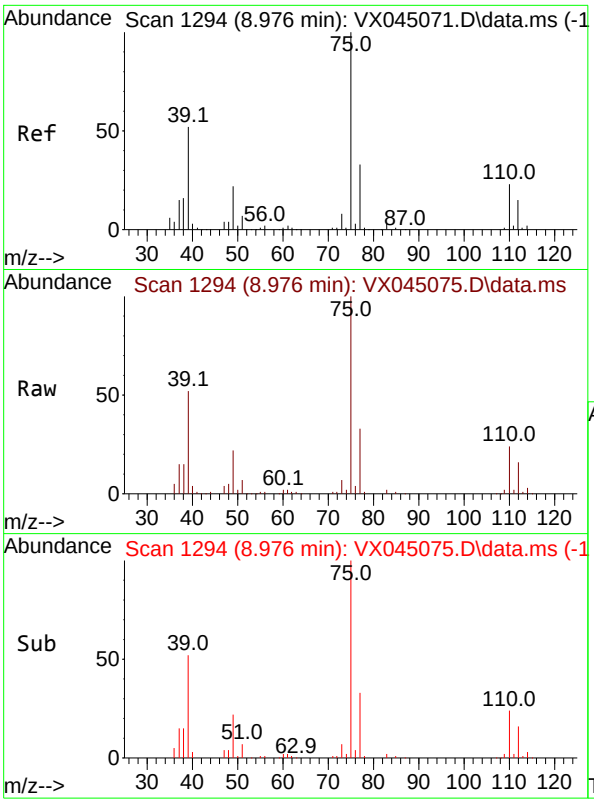


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

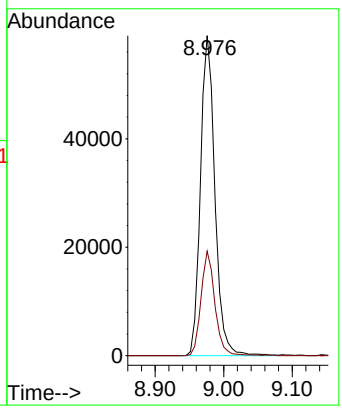




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

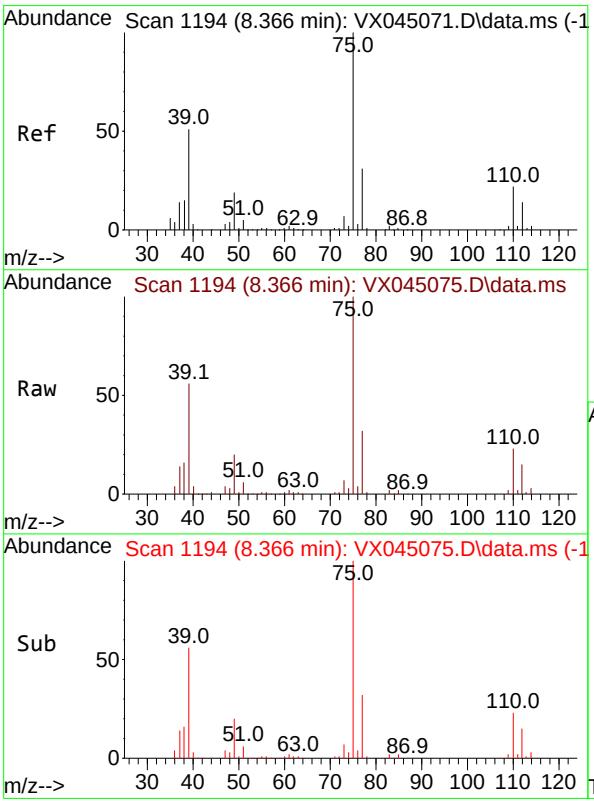
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

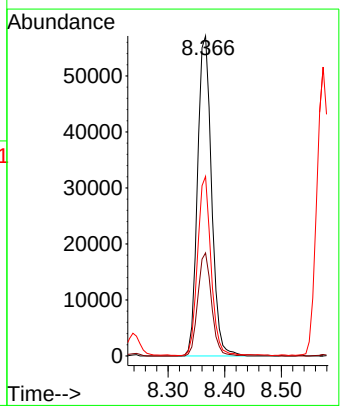
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

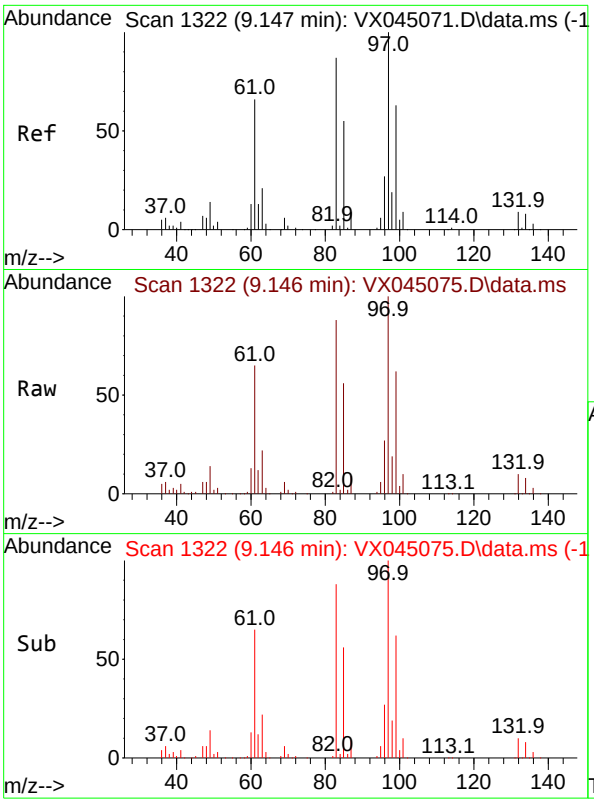


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1

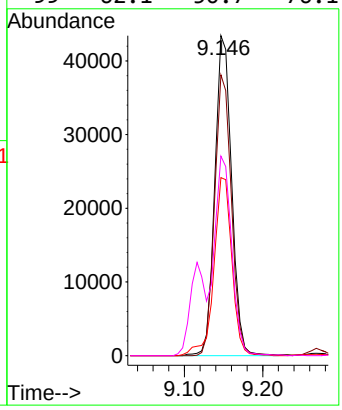




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

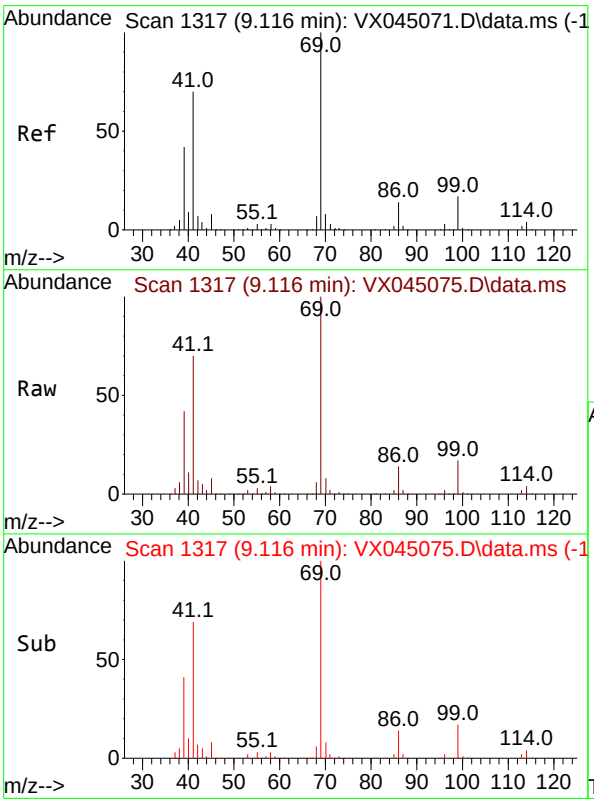
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

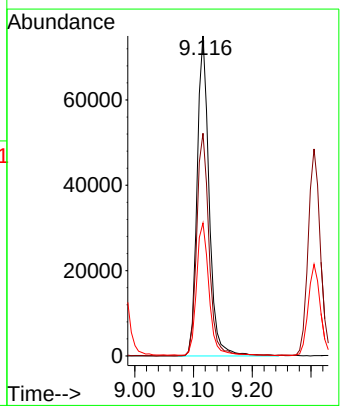
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

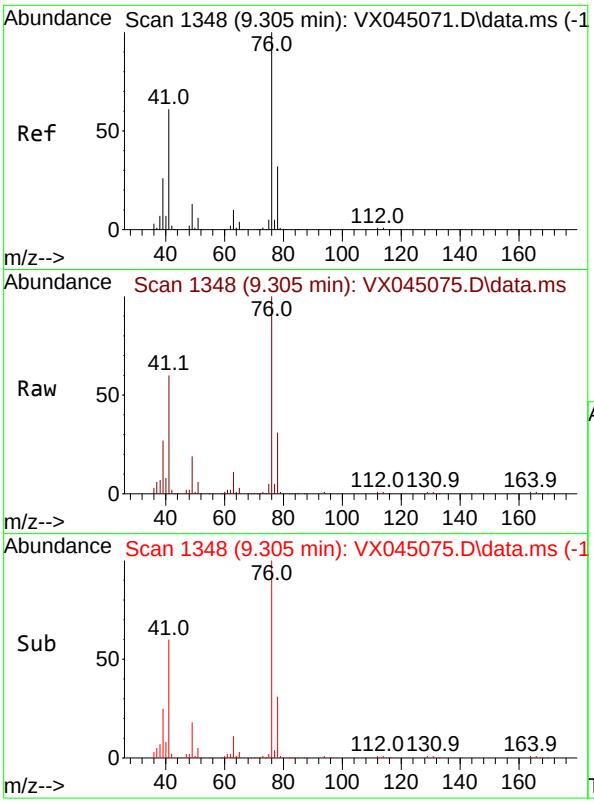


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4

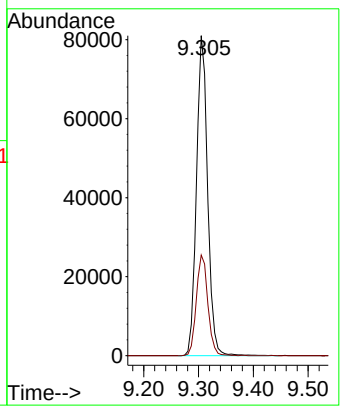




#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 11488

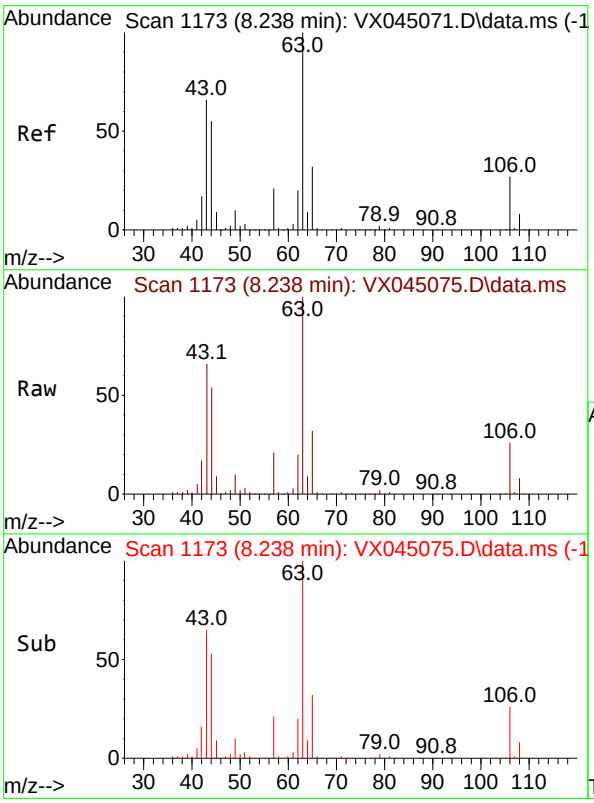
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

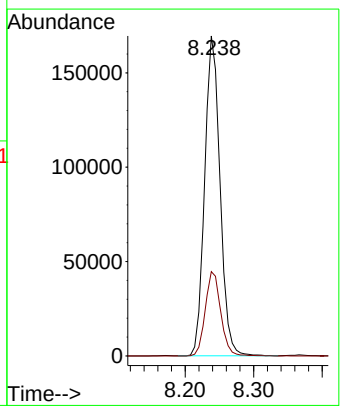
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

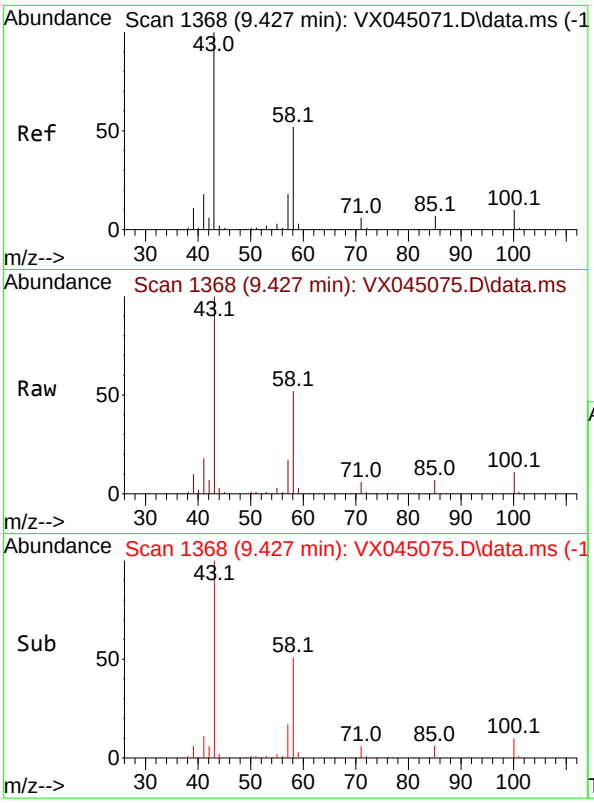


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

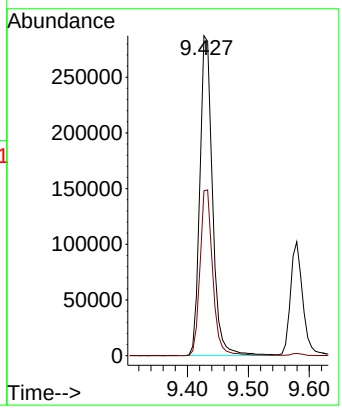




#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 41673

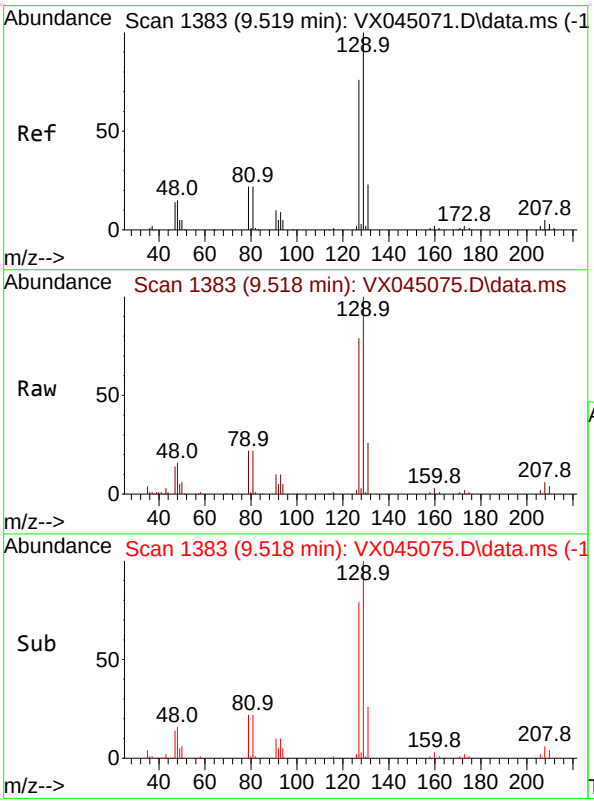
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

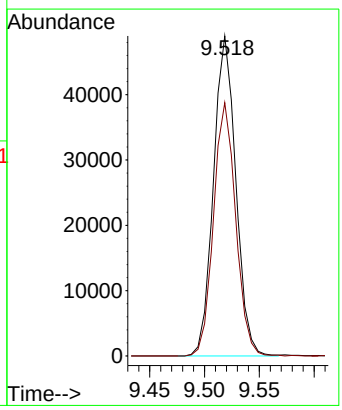
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

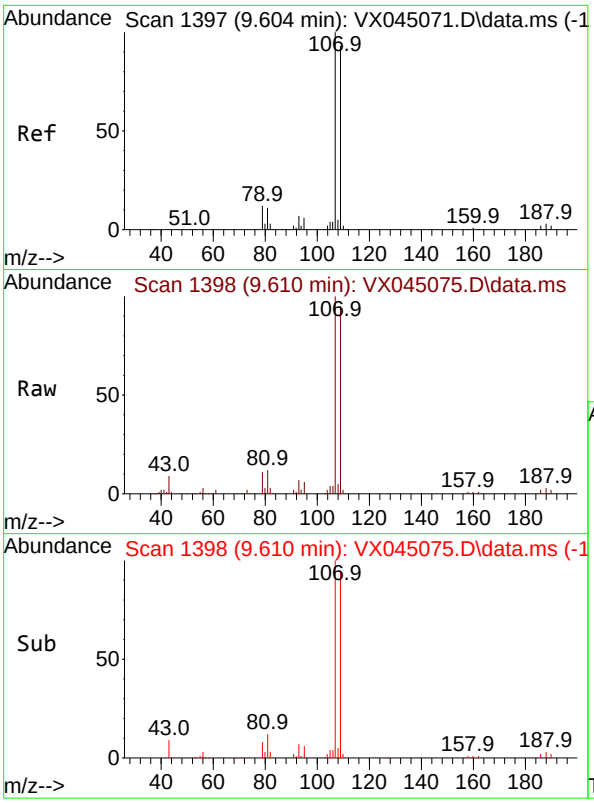


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

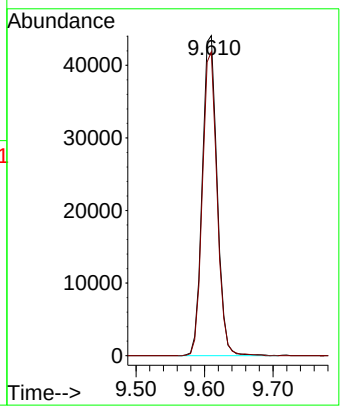




#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:107 Resp: 6650

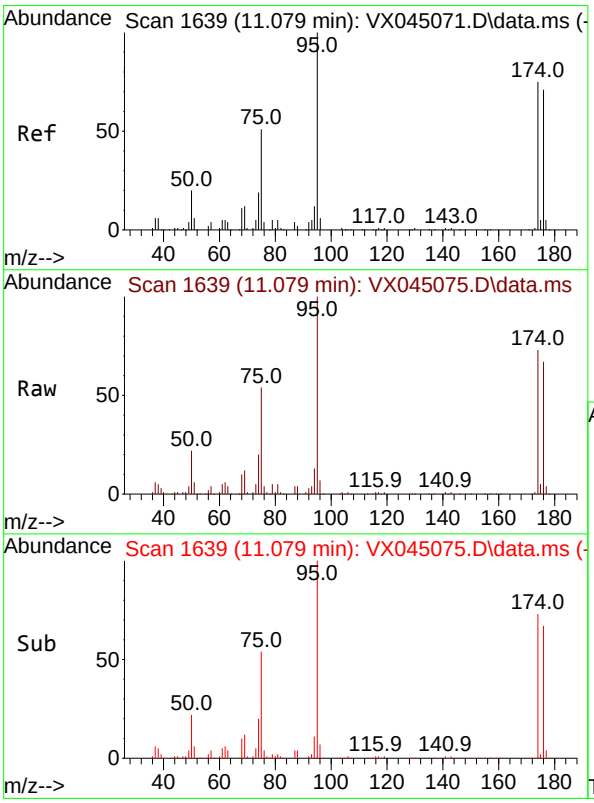
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

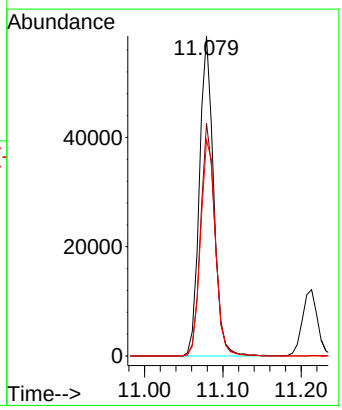
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

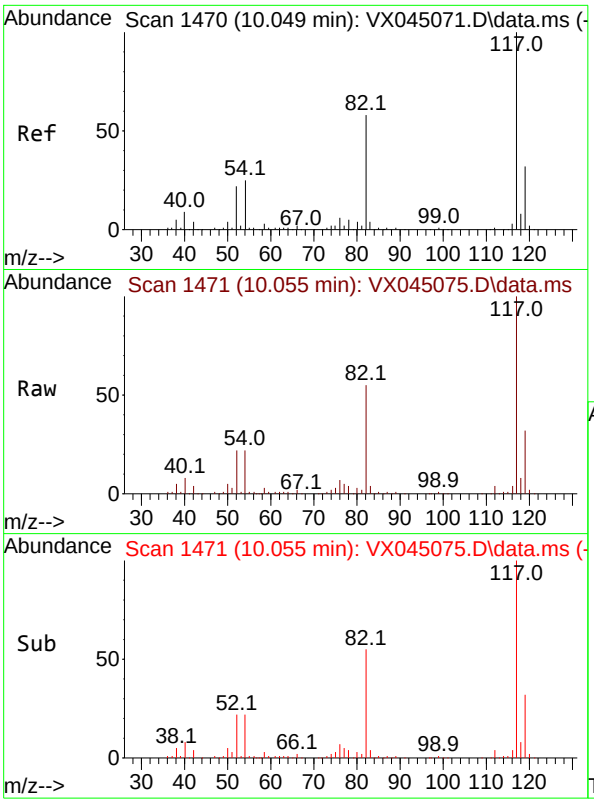


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4

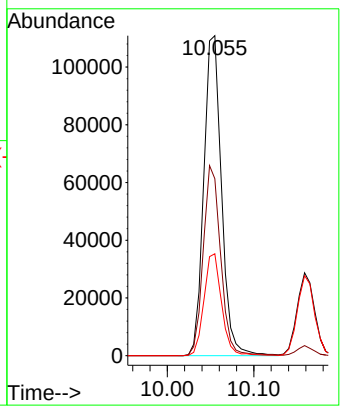




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 15779

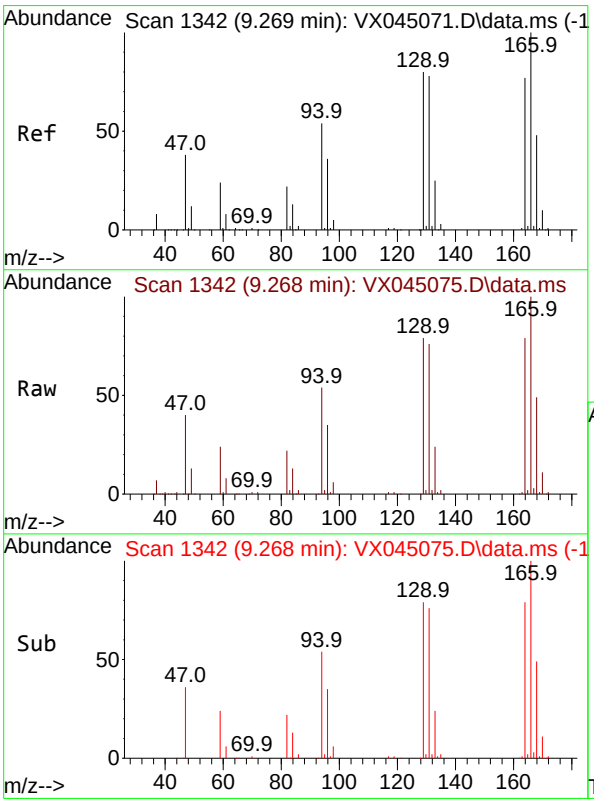
Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

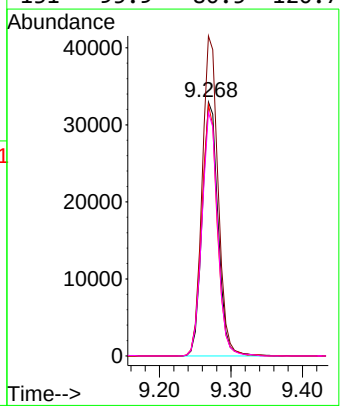
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

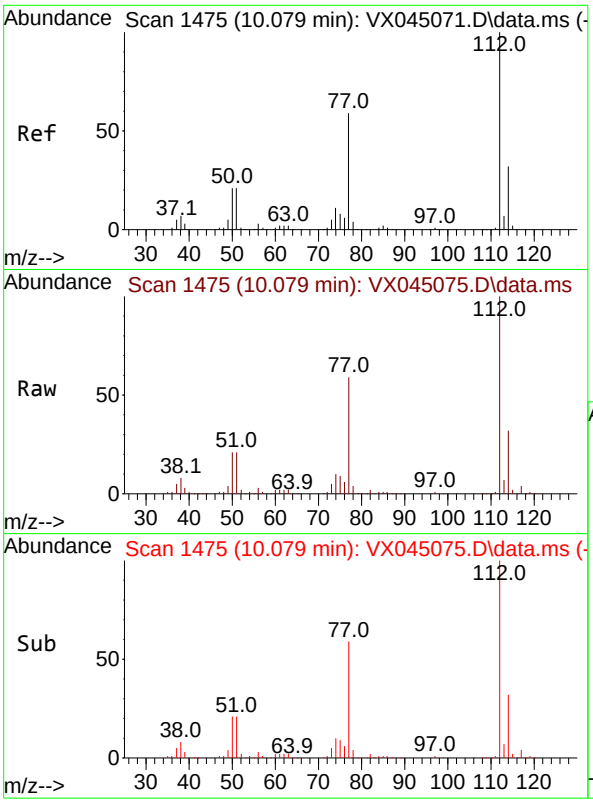


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7

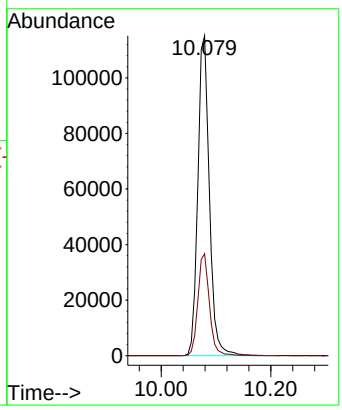




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

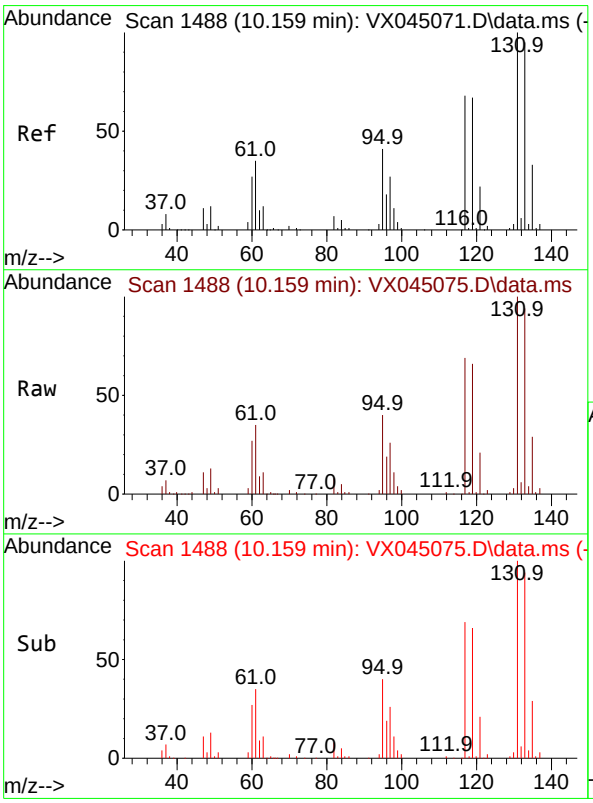
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

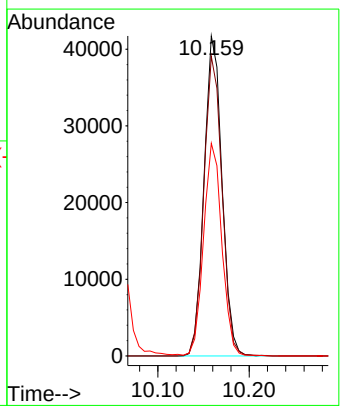
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

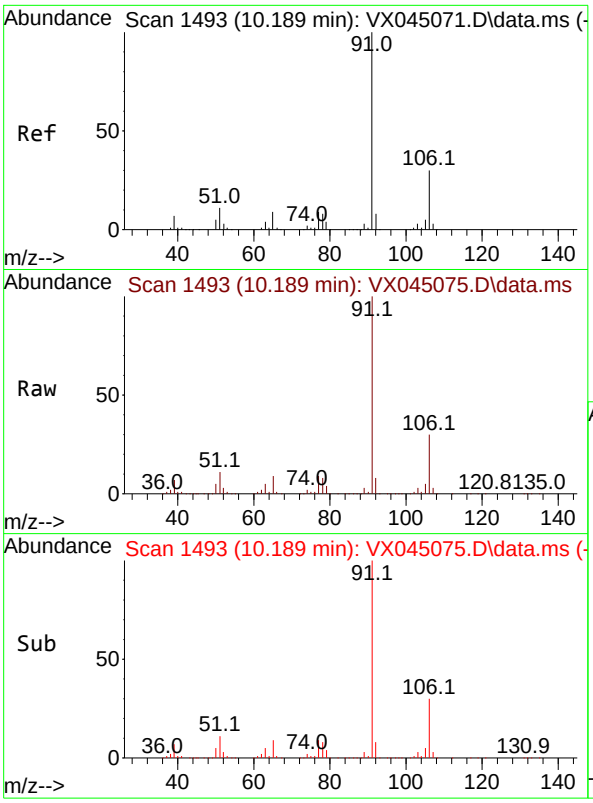


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7

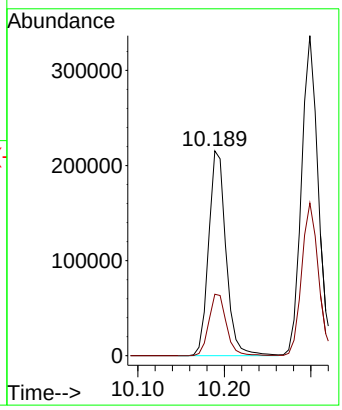




#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 30032

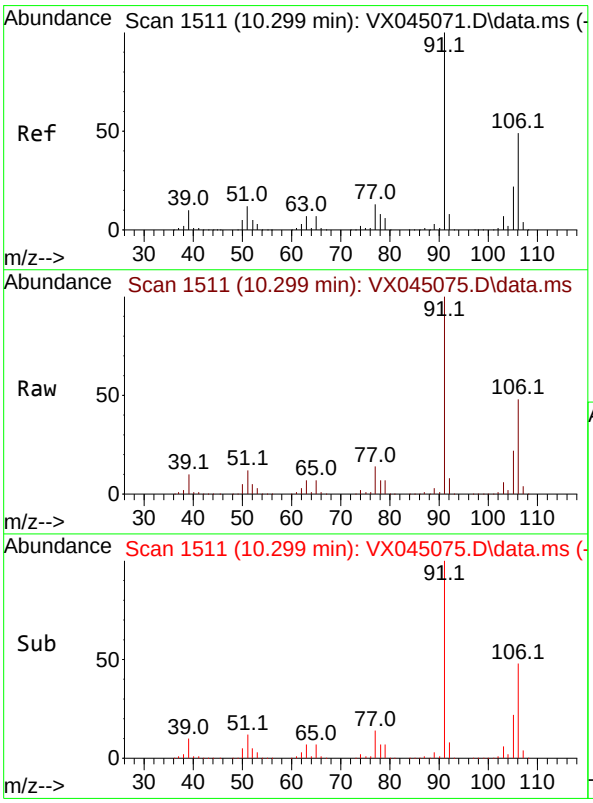
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

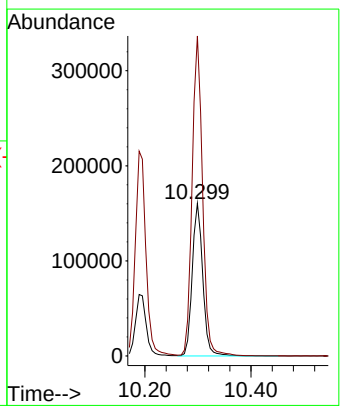
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

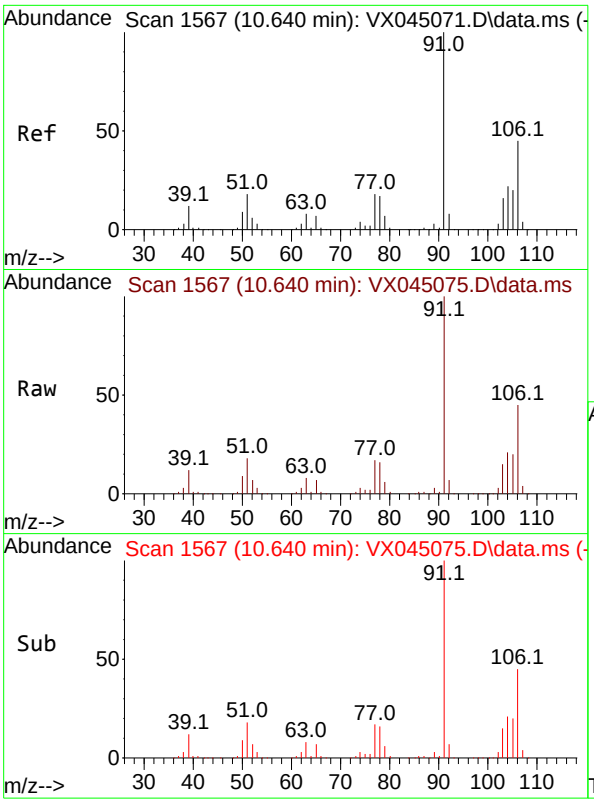


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0

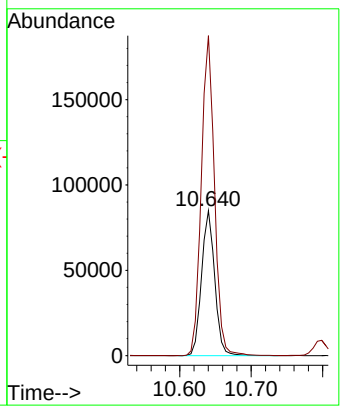




#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 10883

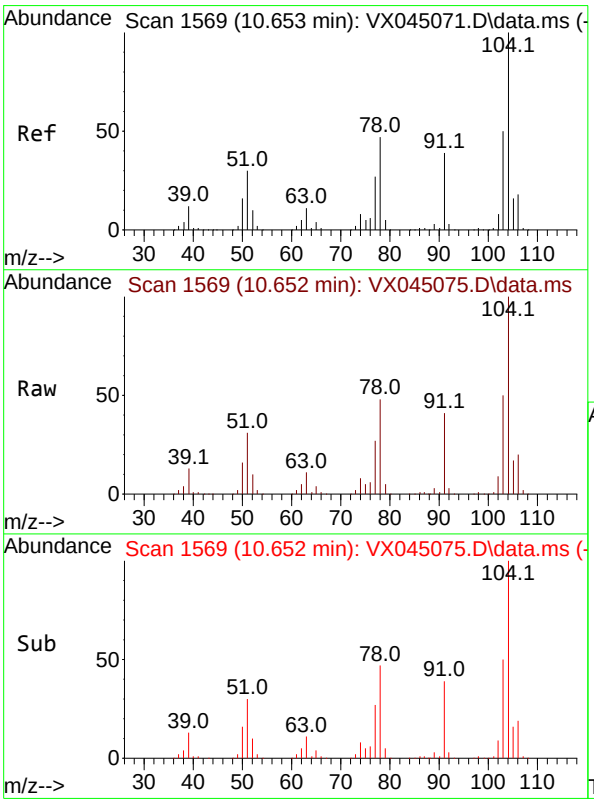
Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

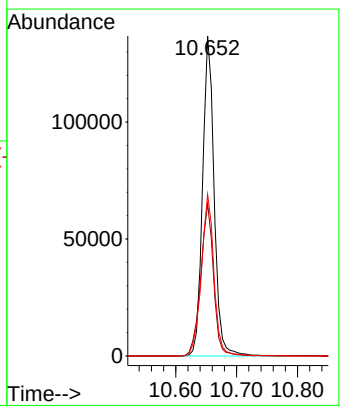
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

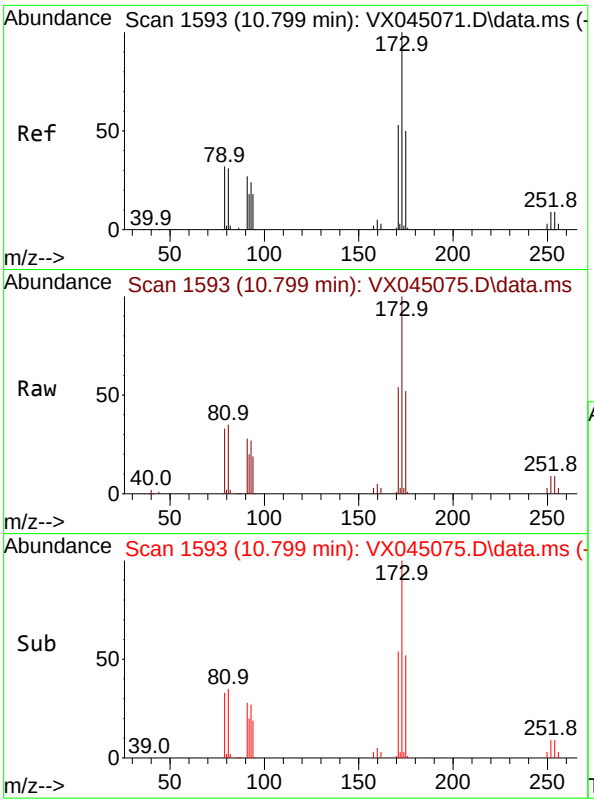


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8

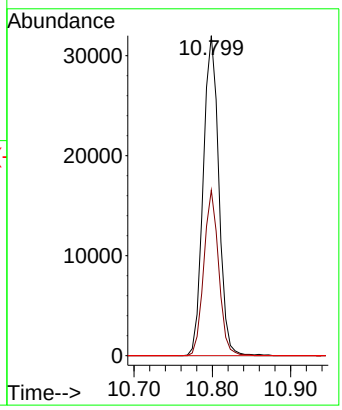




#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

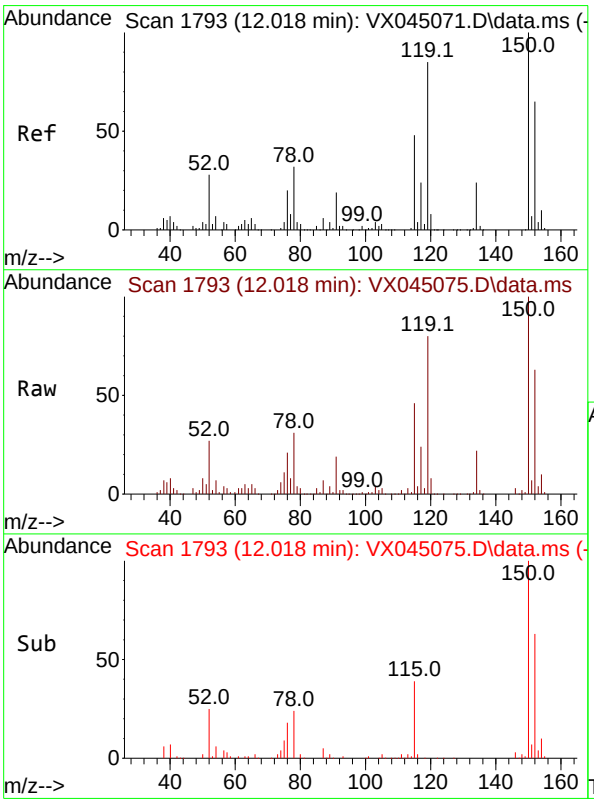
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

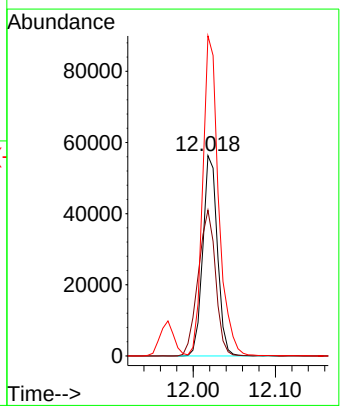
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

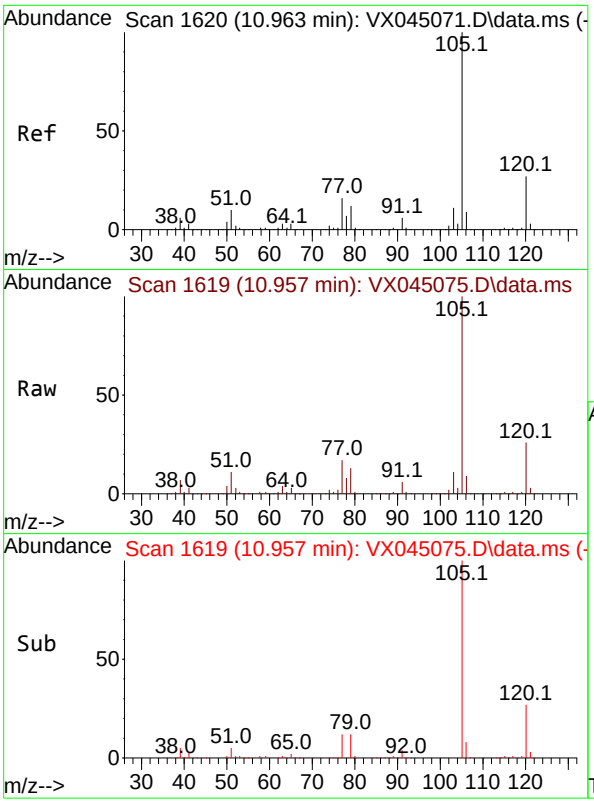


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0

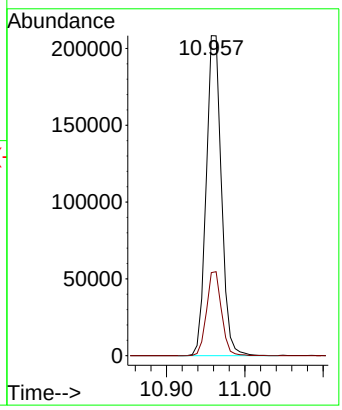




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

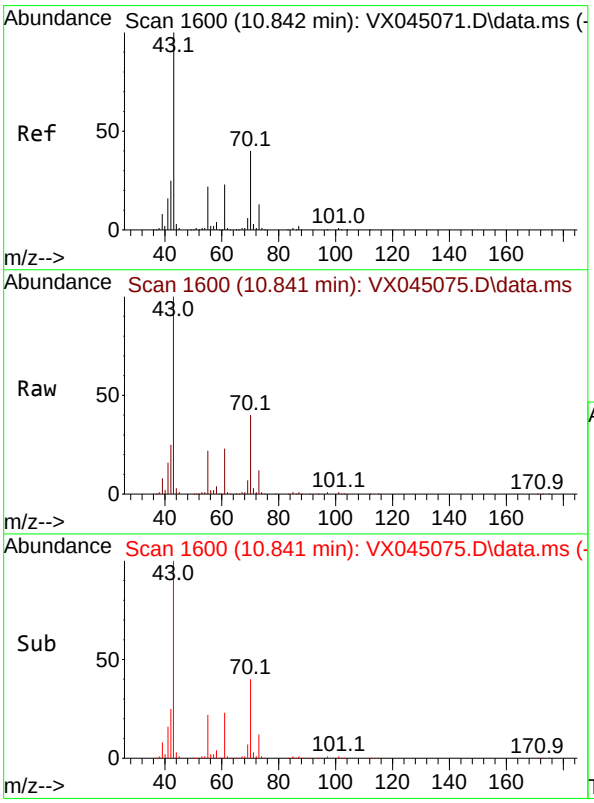
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

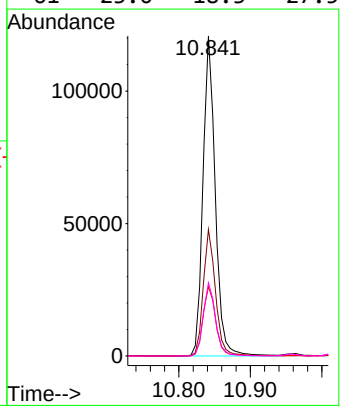
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

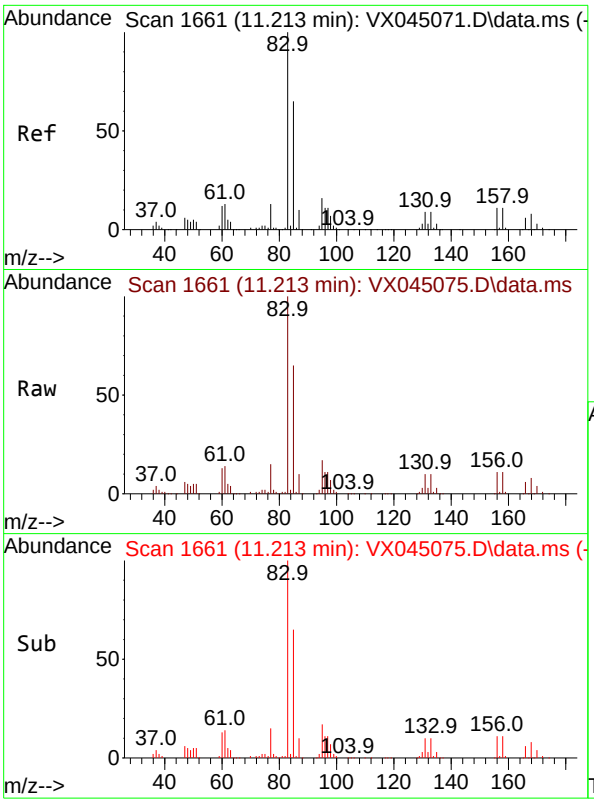


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

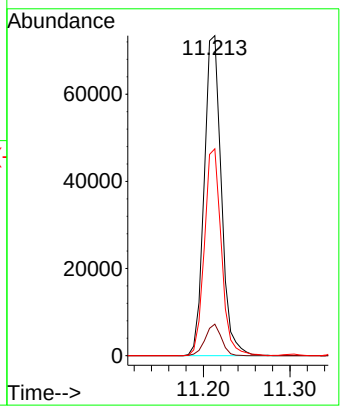




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

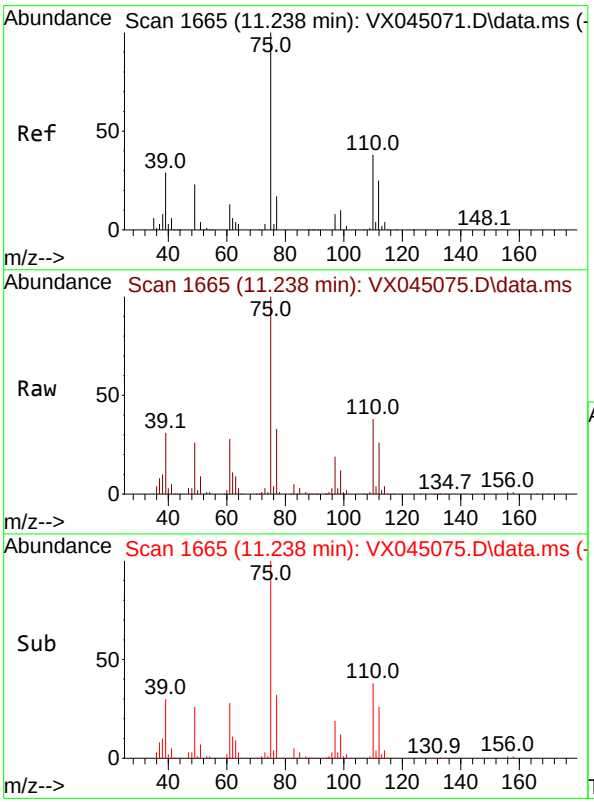
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

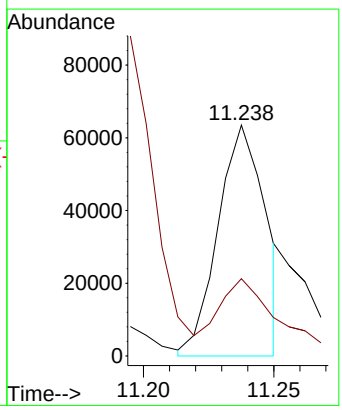
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

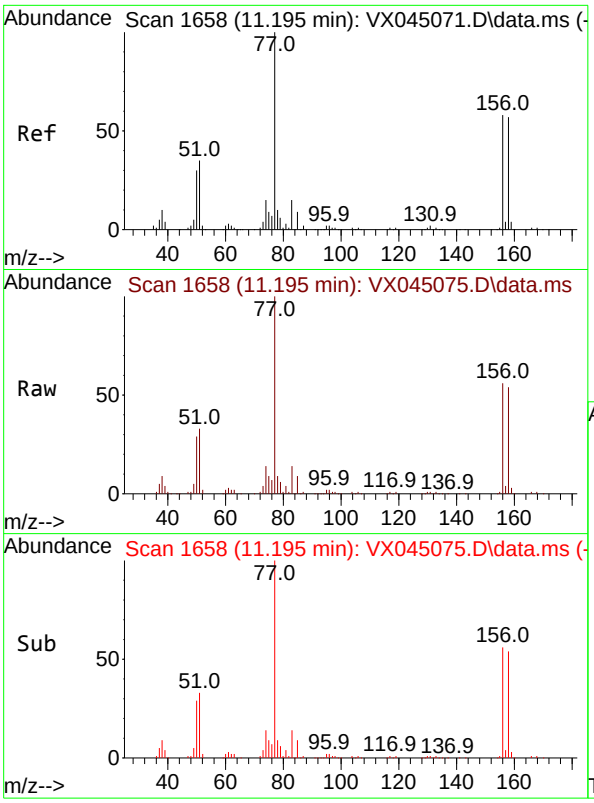


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

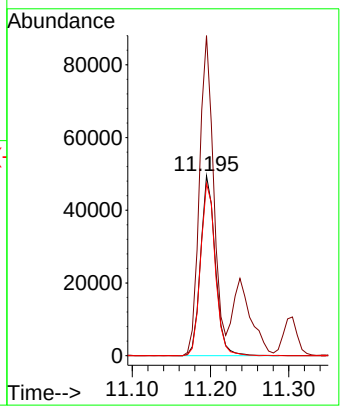




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

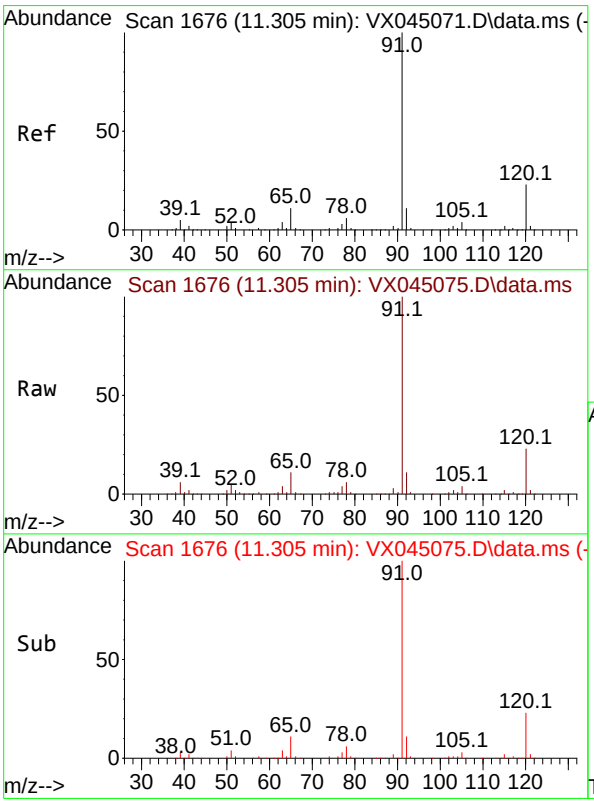
Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

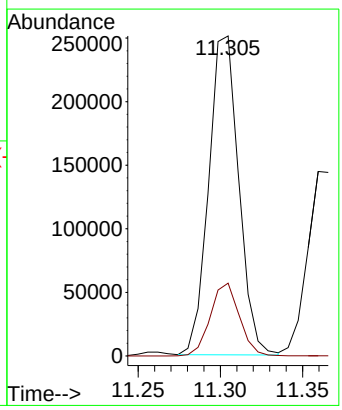
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

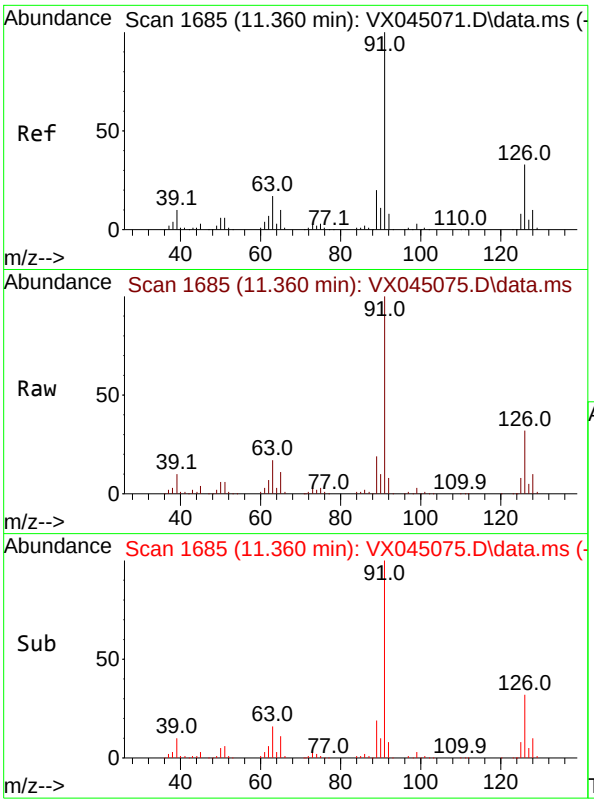


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

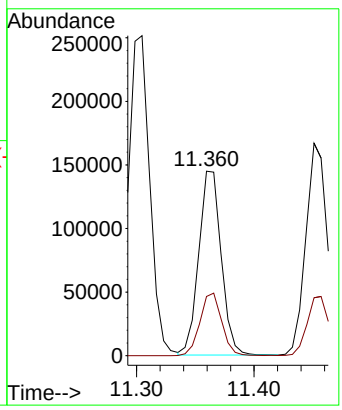
Tgt Ion: 91 Resp: 19215

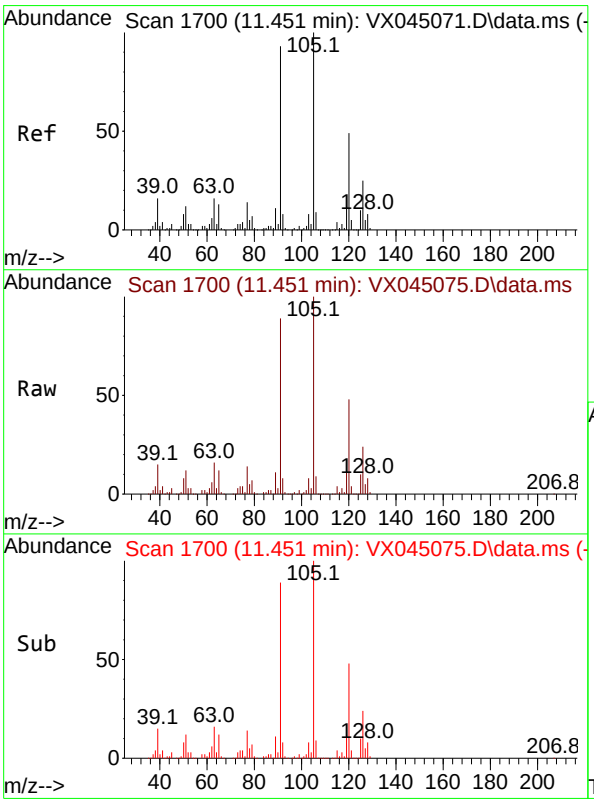
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

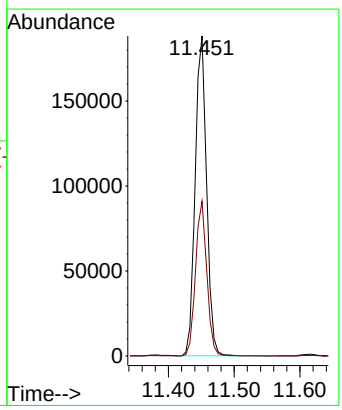


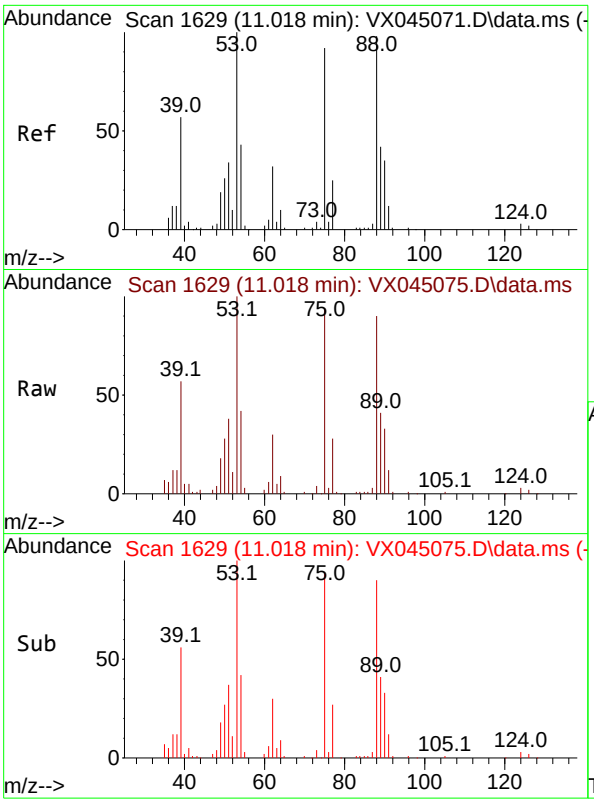


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

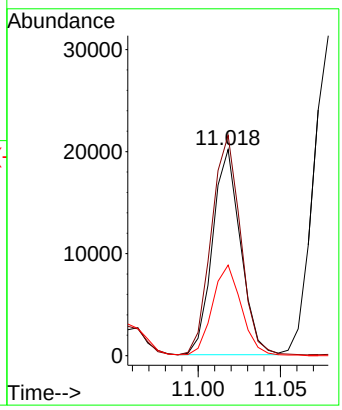
Tgt Ion: 75 Resp: 2394

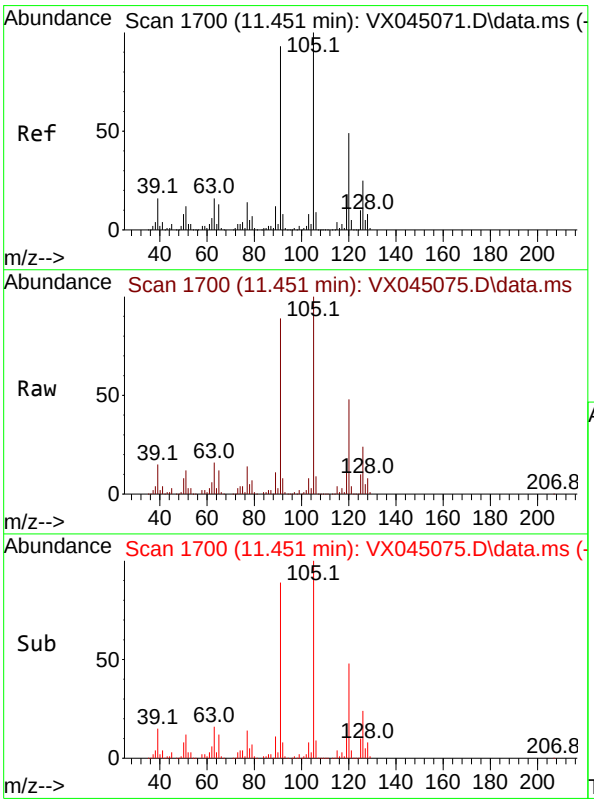
Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

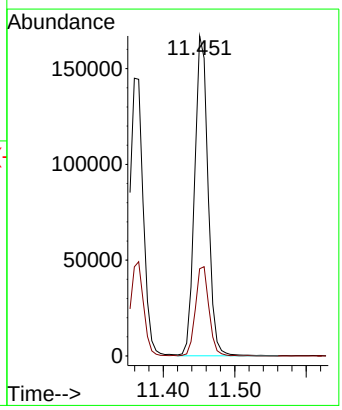


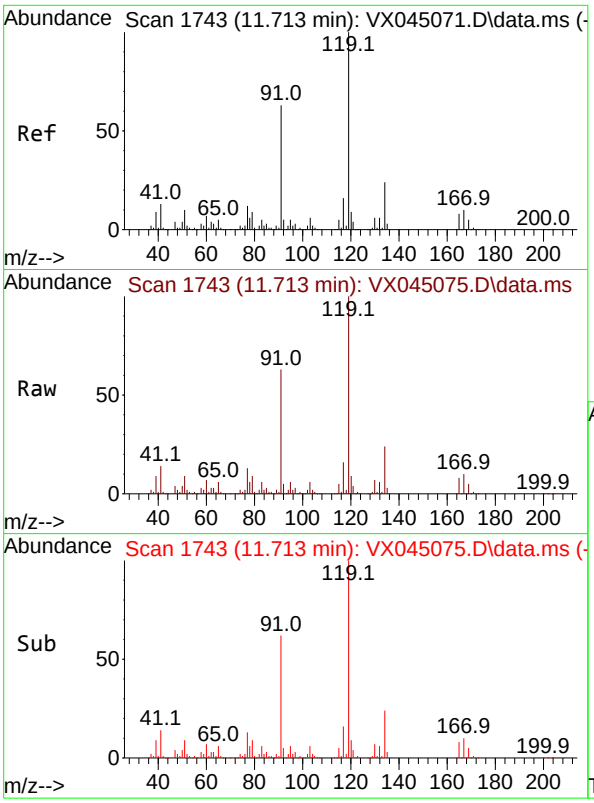


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

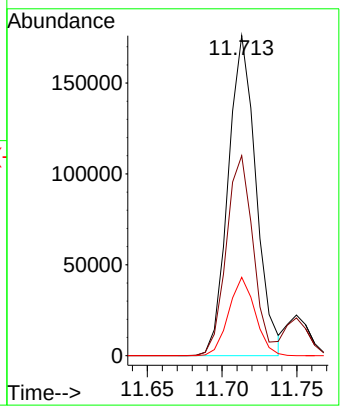




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

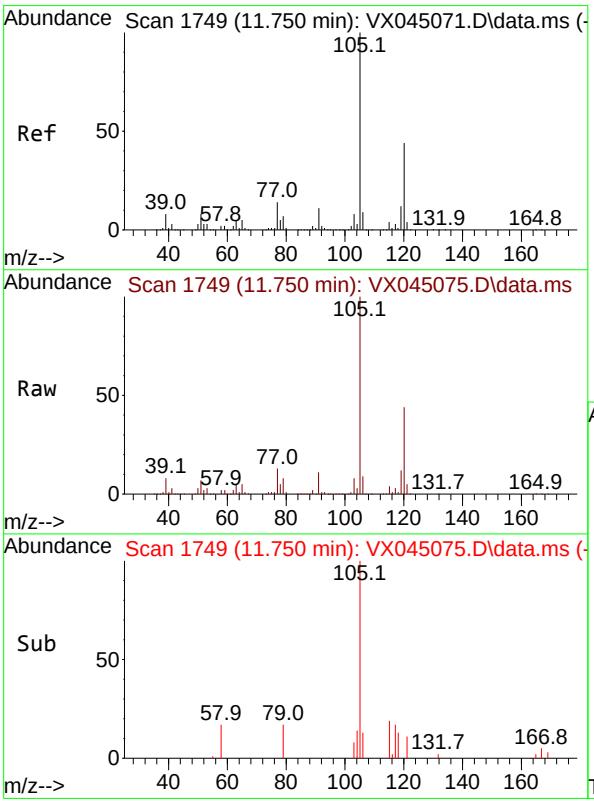
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

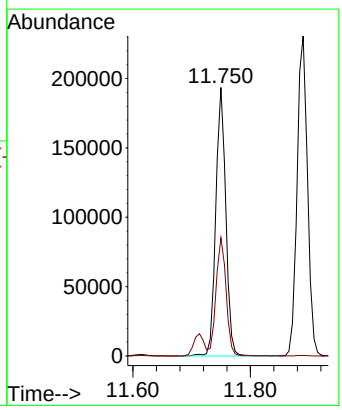
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

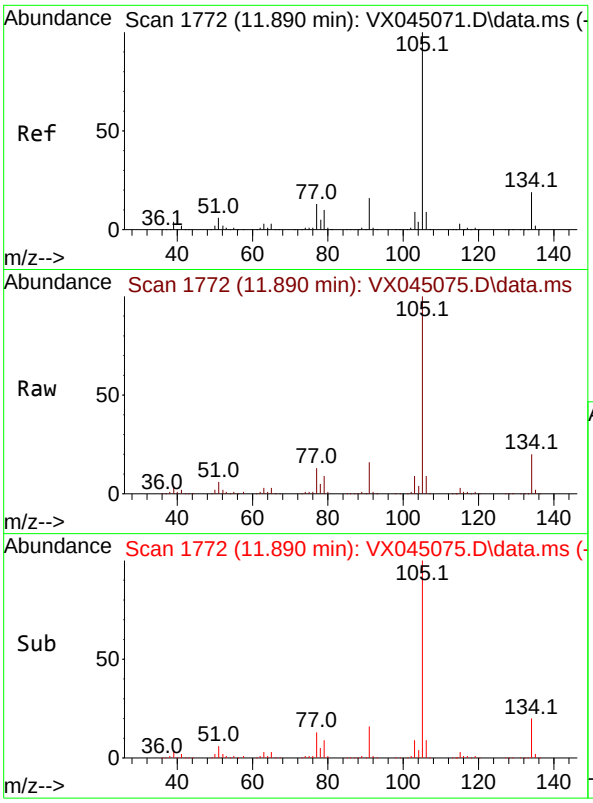


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

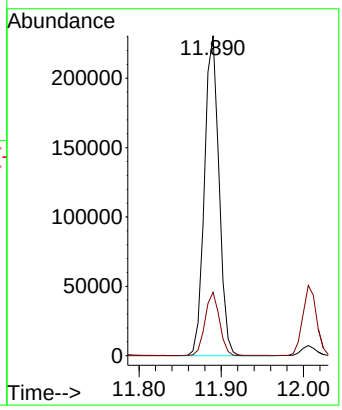
Tgt Ion:105 Resp: 28393

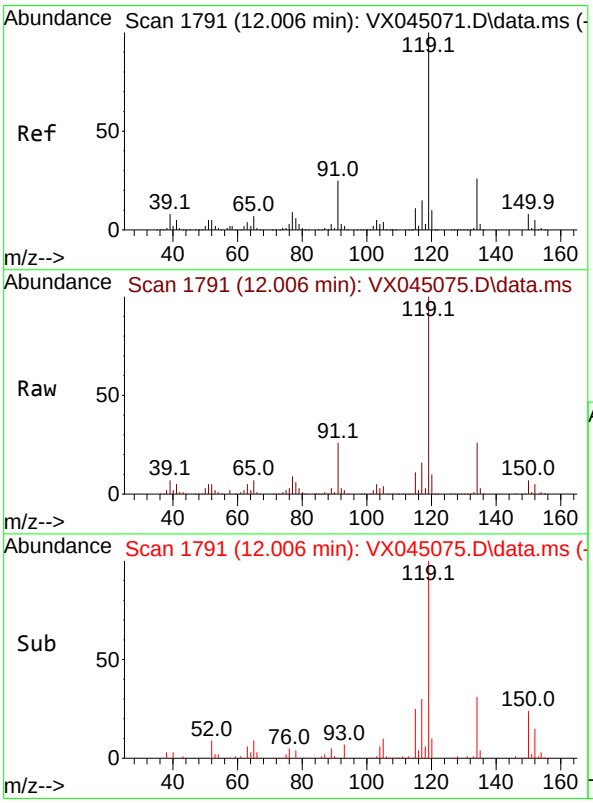
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

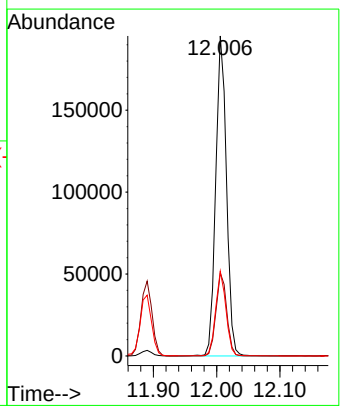


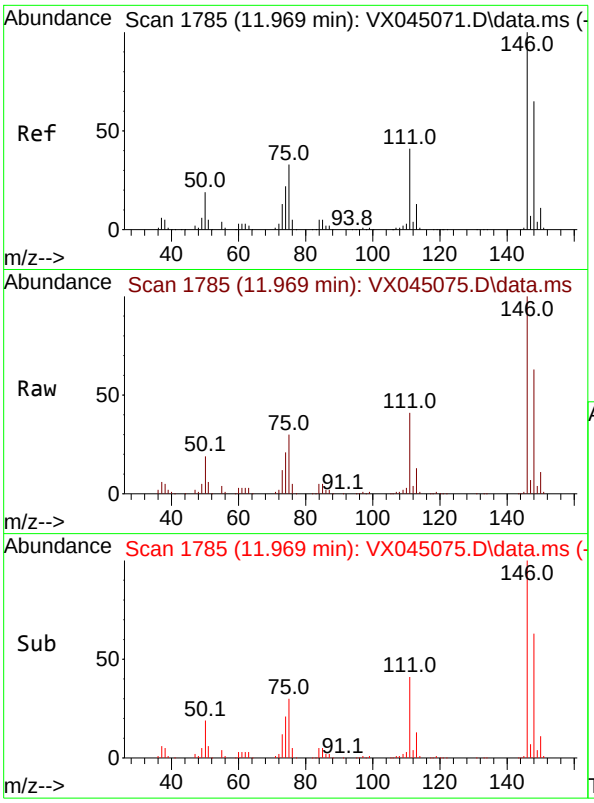


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0

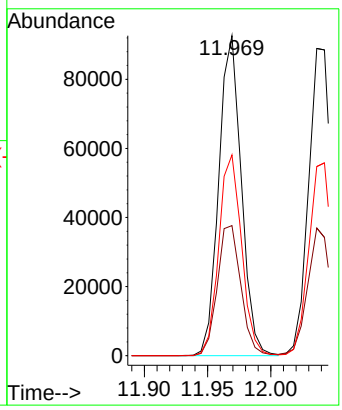




#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11477

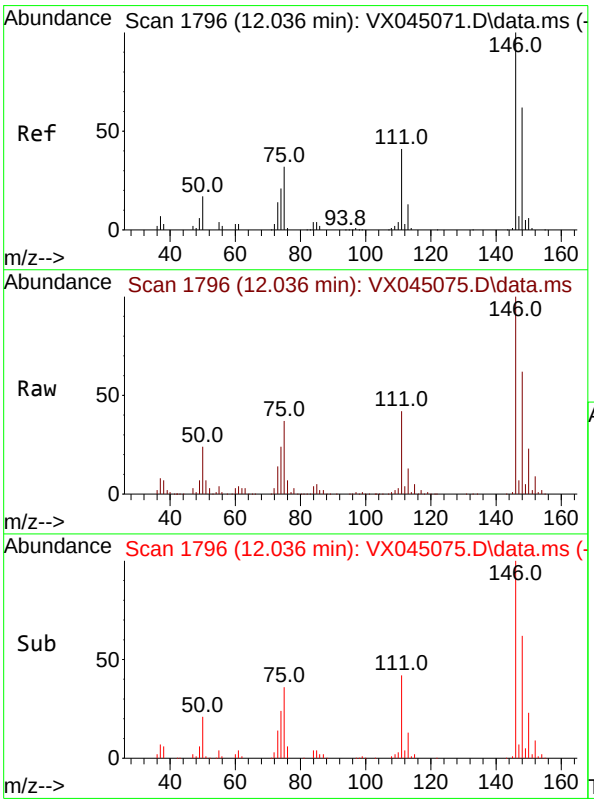
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

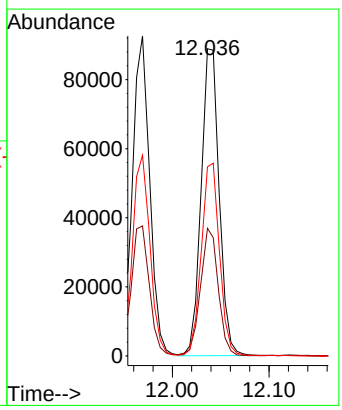
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

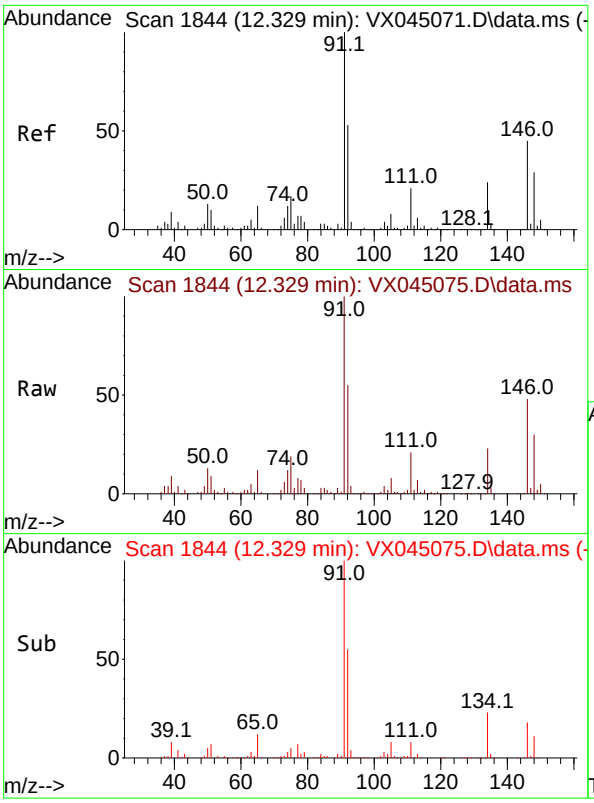


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9

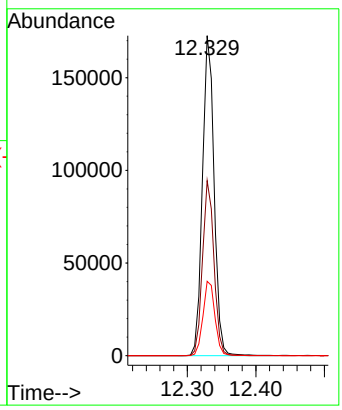




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

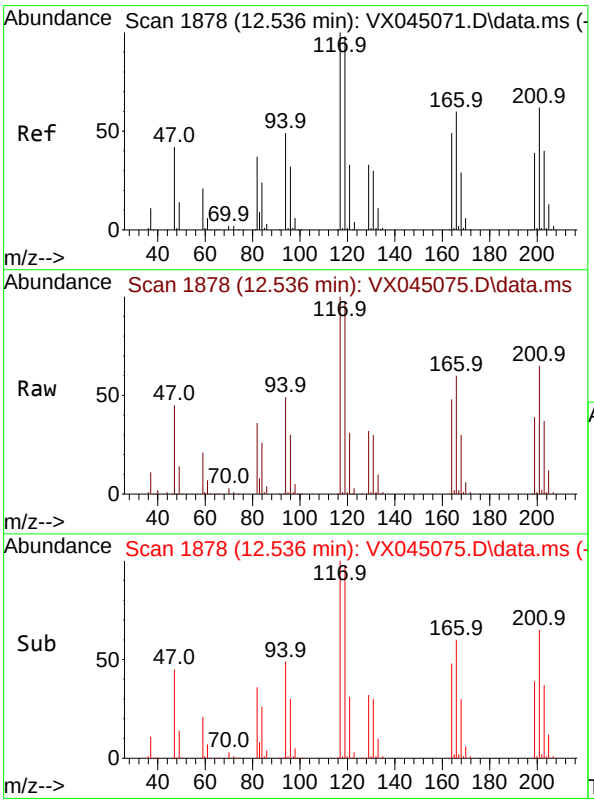
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

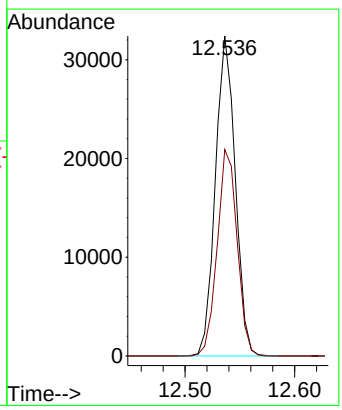
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

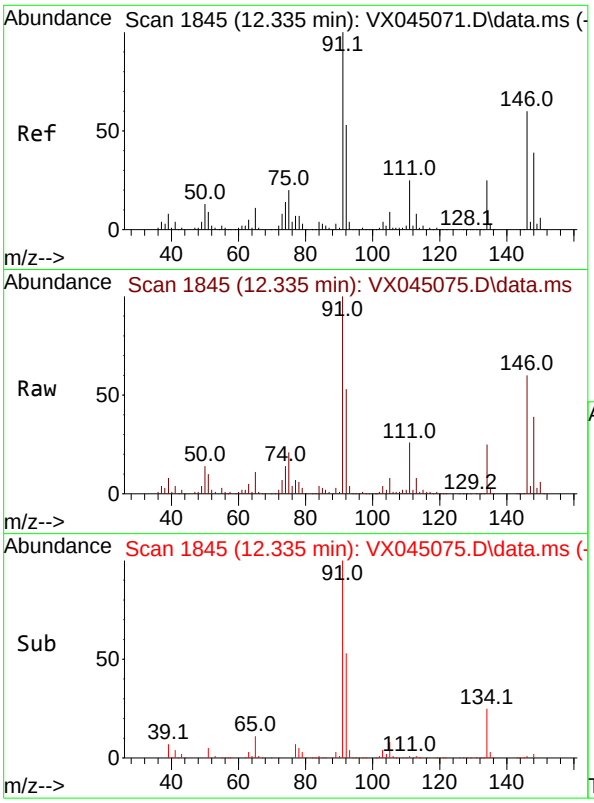


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

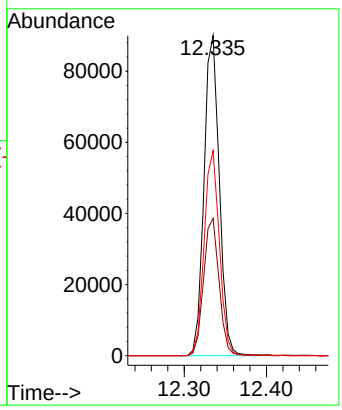




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

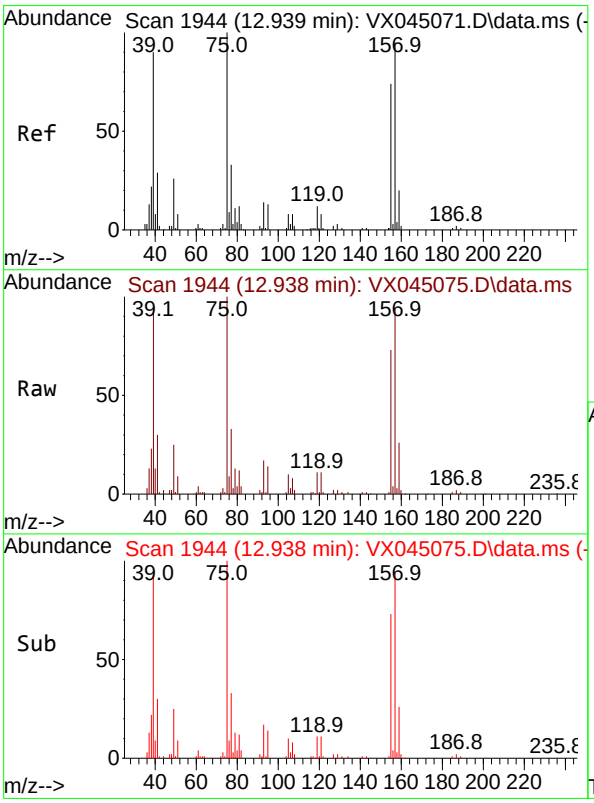
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

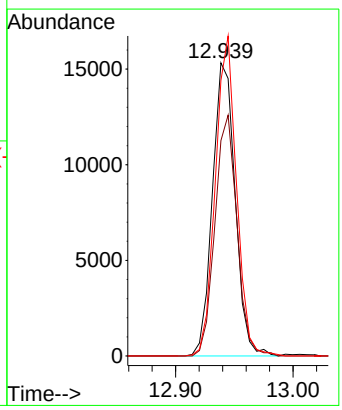
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

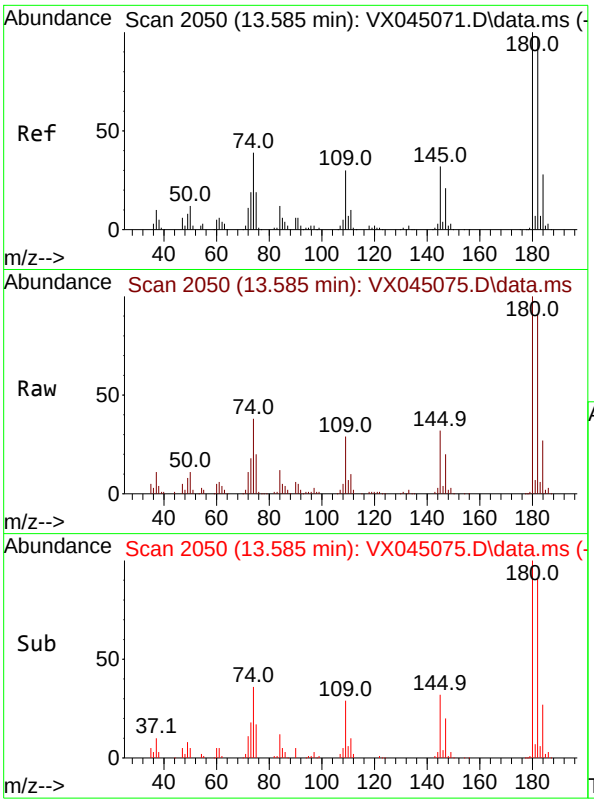


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4

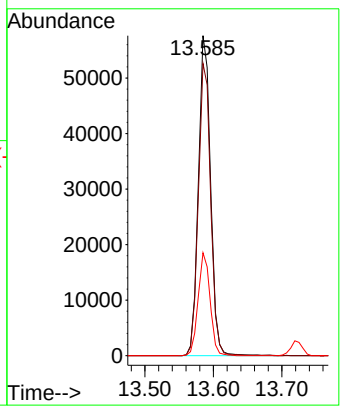




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

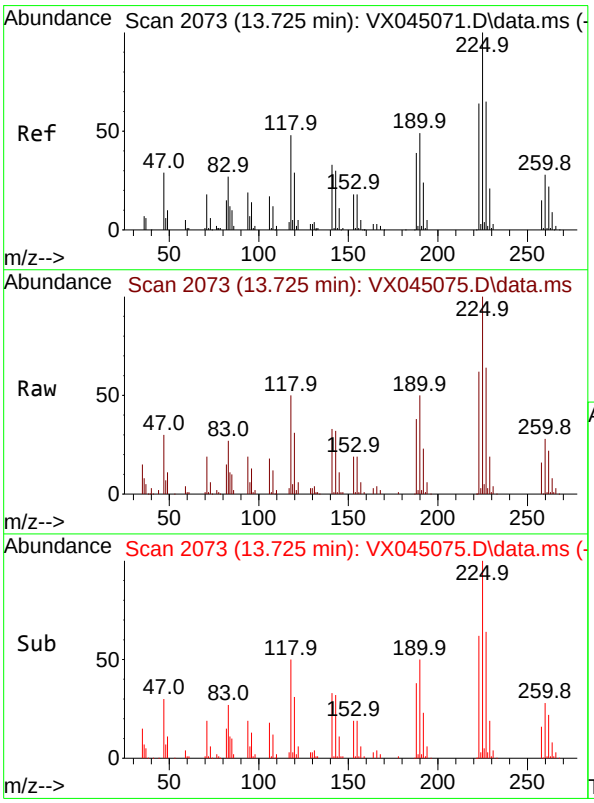
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

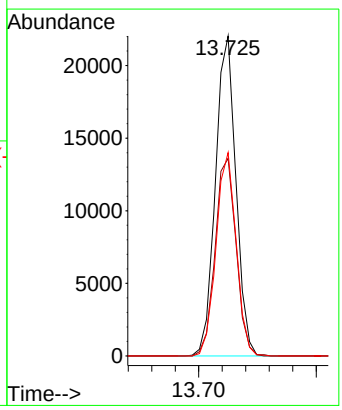
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

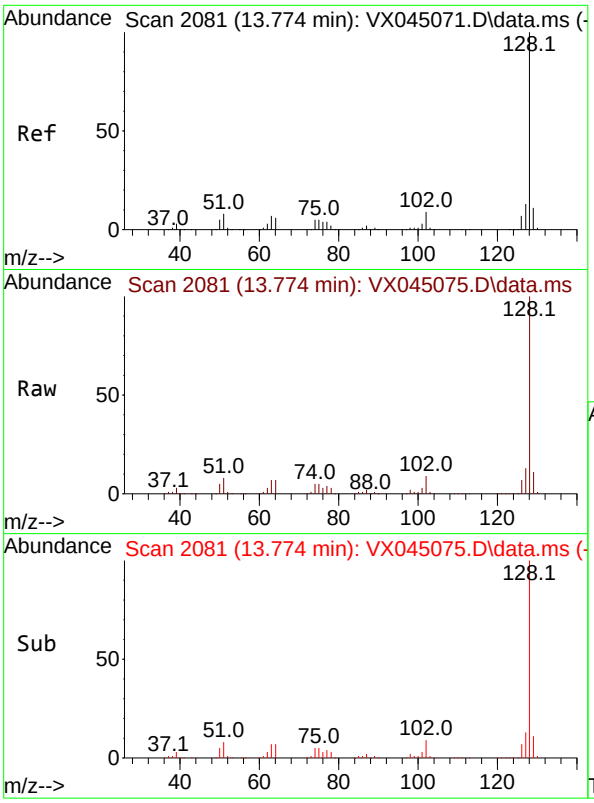


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0

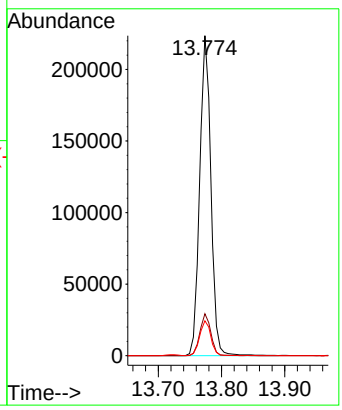




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

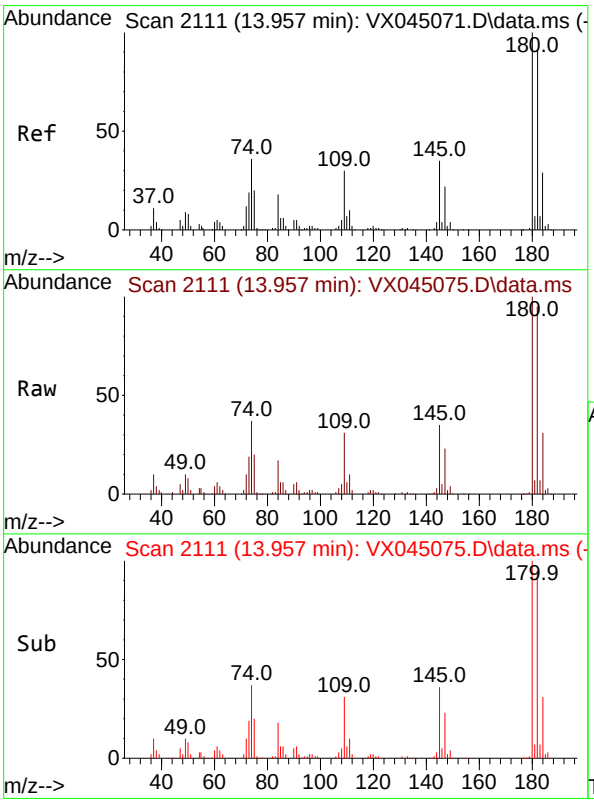
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

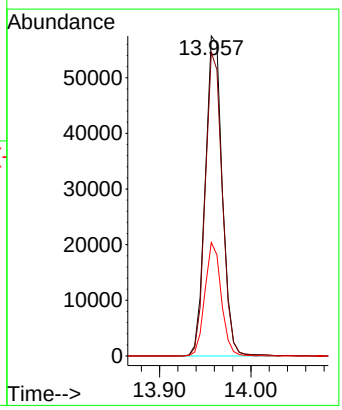
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3	P	Chloromethane	0.770	0.750	2.6	98	0.00
4	C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5	T	Bromomethane	0.300	0.277	7.7	93	0.00
6	T	Chloroethane	0.352	0.296	15.9	78	0.00
7	T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8	T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10	T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11	T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12	CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13	T	Acrolein	0.174	0.189	-8.6	107	0.00
14	T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15	T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16	T	Acetone	0.369	0.358	3.0	100	0.00
17	T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18	T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20	T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22	T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23	T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24	P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25	T	2-Butanone	0.555	0.587	-5.8	100	0.00
26	T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28	T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29	T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30	C	Chloroform	1.239	1.244	-0.4#	98	0.00
31	T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36	T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37	T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38	T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39	T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40	TM	Benzene	1.448	1.482	-2.3	98	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42	TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43	T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44	TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45	C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46	T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48	T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.010	-11.1	102	0.00
50	S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52	CM	Toluene	0.849	0.867	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55	T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56	T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57	T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59	T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60	T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61	T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62	S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65	PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67	C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68	T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69	T	o-Xylene	0.681	0.690	-1.3	95	0.00
70	T	Styrene	1.101	1.149	-4.4	95	0.00
71	P	Bromoform	0.266	0.280	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74	T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77	T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78	T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79	T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82	T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83	T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85	T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86	T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89	T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90	T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94	T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95	T	Naphthalene	3.605	3.977	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.070	-8.1	98	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3	P	Chloromethane	50.000	48.696	2.6	98	0.00
4	C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5	T	Bromomethane	50.000	46.190	7.6	93	0.00
6	T	Chloroethane	50.000	41.948	16.1	78	0.00
7	T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8	T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10	T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11	T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12	CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13	T	Acrolein	250.000	271.255	-8.5	107	0.00
14	T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15	T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16	T	Acetone	250.000	242.877	2.8	100	0.00
17	T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18	T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20	T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22	T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23	T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24	P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25	T	2-Butanone	250.000	264.040	-5.6	100	0.00
26	T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28	T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29	T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30	C	Chloroform	50.000	50.236	-0.5#	98	0.00
31	T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36	T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37	T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38	T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39	T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40	TM	Benzene	50.000	51.195	-2.4	98	0.00
41	T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42	TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43	T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44	TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45	C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46	T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47	T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48	T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1049.007	-4.9	102	0.00
50	S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52	CM	Toluene	50.000	51.020	-2.0#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56	T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57	T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59	T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60	T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61	T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65	PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67	C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68	T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69	T	o-Xylene	50.000	50.668	-1.3	95	0.00
70	T	Styrene	50.000	52.177	-4.4	95	0.00
71	P	Bromoform	50.000	52.636	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74	T	N-amyl acetate	50.000	56.851	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77	T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78	T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79	T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82	T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83	T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85	T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86	T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89	T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90	T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94	T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95	T	Naphthalene	50.000	55.163	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.049	-8.1	98	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 09:38

Lab File ID: VX045347.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.635		0.95	20
Chloromethane	0.770	0.683	0.1	-11.3	20
Vinyl Chloride	0.764	0.657		-14.01	20
Bromomethane	0.300	0.275		-8.33	20
Chloroethane	0.352	0.316		-10.23	20
Trichlorofluoromethane	1.012	0.978		-3.36	20
1,1,2-Trichlorotrifluoroethane	0.581	0.655		12.74	20
1,1-Dichloroethene	0.614	0.608		-0.98	20
Acetone	0.369	0.417		13.01	20
Carbon Disulfide	1.636	1.362		-16.75	20
Methyl tert-butyl Ether	2.061	2.143		3.98	20
Methyl Acetate	0.888	1.180		32.88	20
Methylene Chloride	0.731	0.724		-0.96	20
trans-1,2-Dichloroethene	0.607	0.602		-0.82	20
1,1-Dichloroethane	1.247	1.270	0.1	1.84	20
Cyclohexane	1.082	1.055		-2.49	20
2-Butanone	0.555	0.609		9.73	20
Carbon Tetrachloride	0.465	0.526		13.12	20
cis-1,2-Dichloroethene	0.749	0.755		0.8	20
Bromochloromethane	0.594	0.603		1.51	20
Chloroform	1.239	1.284		3.63	20
1,1,1-Trichloroethane	1.000	1.065		6.5	20
Methylcyclohexane	0.549	0.607		10.56	20
Benzene	1.448	1.505		3.94	20
1,2-Dichloroethane	0.521	0.601		15.35	20
Trichloroethene	0.340	0.353		3.82	20
1,2-Dichloropropane	0.372	0.401		7.8	20
Bromodichloromethane	0.516	0.586		13.57	20
4-Methyl-2-Pentanone	0.587	0.672		14.48	20
Toluene	0.849	0.910		7.18	20
t-1,3-Dichloropropene	0.431	0.527		22.27	20
cis-1,3-Dichloropropene	0.503	0.598		18.89	20
1,1,2-Trichloroethane	0.350	0.376		7.43	20
2-Hexanone	0.425	0.491		15.53	20
Dibromochloromethane	0.366	0.421		15.03	20
1,2-Dibromoethane	0.349	0.377		8.02	20
Tetrachloroethene	0.320	0.349		9.06	20
Chlorobenzene	1.058	1.146	0.3	8.32	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: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 09:38

Lab File ID: VX045347.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.054		11.45	20
m/p-Xylenes	0.675	0.757		12.15	20
o-Xylene	0.681	0.736		8.08	20
Styrene	1.101	1.244		12.99	20
Bromoform	0.266	0.311	0.1	16.92	20
Isopropylbenzene	3.903	4.256		9.04	20
1,1,2,2-Tetrachloroethane	1.432	1.465	0.3	2.3	20
1,3-Dichlorobenzene	1.643	1.747		6.33	20
1,4-Dichlorobenzene	1.662	1.724		3.73	20
1,2-Dichlorobenzene	1.648	1.756		6.55	20
1,2-Dibromo-3-Chloropropane	0.279	0.321		15.05	20
1,2,4-Trichlorobenzene	0.938	1.072		14.29	20
1,2,3-Trichlorobenzene	0.990	1.108		11.92	20
1,2-Dichloroethane-d4	0.795	0.877		10.31	20
Dibromofluoromethane	0.334	0.382		14.37	20
Toluene-d8	1.212	1.314		8.42	20
4-Bromofluorobenzene	0.402	0.464		15.42	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\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	160941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82508	55.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.240%			
35) Dibromofluoromethane	5.379	113	61401	57.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.120%			
50) Toluene-d8	8.647	98	211503	54.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.420%			
62) 4-Bromofluorobenzene	11.079	95	74611	57.711	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59746	50.442	ug/l	97
3) Chloromethane	1.307	50	64302	44.361	ug/l	96
4) Vinyl Chloride	1.374	62	61838	43.004	ug/l	95
5) Bromomethane	1.593	94	25902	45.822	ug/l	97
6) Chloroethane	1.660	64	29735	44.831	ug/l	100
7) Trichlorofluoromethane	1.868	101	92068	48.366	ug/l	99
8) Diethyl Ether	2.130	74	32644	43.843	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	61677	56.396	ug/l	99
10) Methyl Iodide	2.441	142	71548	52.350	ug/l	96
11) Tert butyl alcohol	2.983	59	66006	232.818	ug/l	99
12) 1,1-Dichloroethene	2.307	96	57166	49.441	ug/l	99
13) Acrolein	2.239	56	75371	229.981	ug/l	98
14) Allyl chloride	2.654	41	110322	53.602	ug/l	97
15) Acrylonitrile	3.062	53	200634	264.049	ug/l	99
16) Acetone	2.386	43	196313	282.690	ug/l	99
17) Carbon Disulfide	2.496	76	128203	41.629	ug/l	97
18) Methyl Acetate	2.703	43	110994	66.439	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	201610	51.972	ug/l	99
20) Methylene Chloride	2.782	84	68099	49.504	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	56672	49.612	ug/l	97
22) Diisopropyl ether	3.757	45	218443	52.186	ug/l	93
23) Vinyl Acetate	3.715	43	911566	260.960	ug/l	98
24) 1,1-Dichloroethane	3.599	63	119458	50.922	ug/l	99
25) 2-Butanone	4.556	43	286555	274.133	ug/l	96
26) 2,2-Dichloropropane	4.465	77	86451	78.567	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	71053	50.388	ug/l	92
28) Bromochloromethane	4.891	49	56750	50.753	ug/l	99
29) Tetrahydrofuran	5.001	42	176238	251.058	ug/l	99
30) Chloroform	5.087	83	120782	51.818	ug/l	100
31) Cyclohexane	5.452	56	99254	48.741	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	100201	53.226	ug/l	98
36) 1,1-Dichloropropene	5.678	75	77237	52.334	ug/l	99
37) Ethyl Acetate	4.715	43	102186	53.733	ug/l	99
38) Carbon Tetrachloride	5.666	117	84612	56.470	ug/l	98
39) Methylcyclohexane	7.373	83	97687	55.240	ug/l	96
40) Benzene	6.025	78	242215	51.973	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59716	58.072	ug/l		99
42) 1,2-Dichloroethane	6.080	62	96672	57.604	ug/l		97
43) Isopropyl Acetate	6.336	43	160232	56.979	ug/l		99
44) Trichloroethene	7.117	130	56744	51.854	ug/l		100
45) 1,2-Dichloropropane	7.421	63	64615	53.925	ug/l		98
46) Dibromomethane	7.574	93	47119	55.635	ug/l		97
47) Bromodichloromethane	7.818	83	94372	56.808	ug/l		99
48) Methyl methacrylate	7.690	41	80819	57.285	ug/l		96
49) 1,4-Dioxane	7.665	88	29379	987.206	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	540720	286.370	ug/l		99
52) Toluene	8.714	92	146417	53.547	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	84772	61.040	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	96208	59.407	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	60462	53.712	ug/l		97
56) Ethyl methacrylate	9.116	69	96357	56.313	ug/l		95
57) 1,3-Dichloropropane	9.305	76	106148	54.489	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	258027	309.131	ug/l		98
59) 2-Hexanone	9.427	43	395325	288.965	ug/l		99
60) Dibromochloromethane	9.519	129	67728	57.543	ug/l		98
61) 1,2-Dibromoethane	9.604	107	60702	54.017	ug/l		100
64) Tetrachloroethene	9.269	164	48599	54.416	ug/l		98
65) Chlorobenzene	10.073	112	159759	54.144	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54037	54.992	ug/l		99
67) Ethyl Benzene	10.189	91	286365	55.699	ug/l		100
68) m/p-Xylenes	10.299	106	211033	112.126	ug/l		97
69) o-Xylene	10.640	106	102643	54.073	ug/l		97
70) Styrene	10.653	104	173421	56.462	ug/l		98
71) Bromoform	10.799	173	43429	58.610	ug/l	#	99
73) Isopropylbenzene	10.957	105	272973	54.526	ug/l		99
74) N-amyl acetate	10.842	43	131333	55.907	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93995	51.164	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	78826m	52.802	ug/l		
77) Bromobenzene	11.195	156	60575	51.283	ug/l		95
78) n-propylbenzene	11.305	91	320714	56.710	ug/l		99
79) 2-Chlorotoluene	11.360	91	192413	53.424	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	222755	55.029	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	25918	59.413	ug/l		92
82) 4-Chlorotoluene	11.451	91	215413	54.878	ug/l		99
83) tert-Butylbenzene	11.713	119	224427	53.959	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	224842	55.202	ug/l		98
85) sec-Butylbenzene	11.890	105	285577	57.320	ug/l		99
86) p-Isopropyltoluene	12.006	119	232345	57.707	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	112042	53.171	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	110569	51.865	ug/l		98
89) n-Butylbenzene	12.329	91	211674	61.041	ug/l		100
90) Hexachloroethane	12.536	117	41788	57.380	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	112628	53.282	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	57.585	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	68746	57.116	ug/l		99
94) Hexachlorobutadiene	13.725	225	29525	59.832	ug/l		98
95) Naphthalene	13.774	128	256043	55.368	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71037	55.945	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

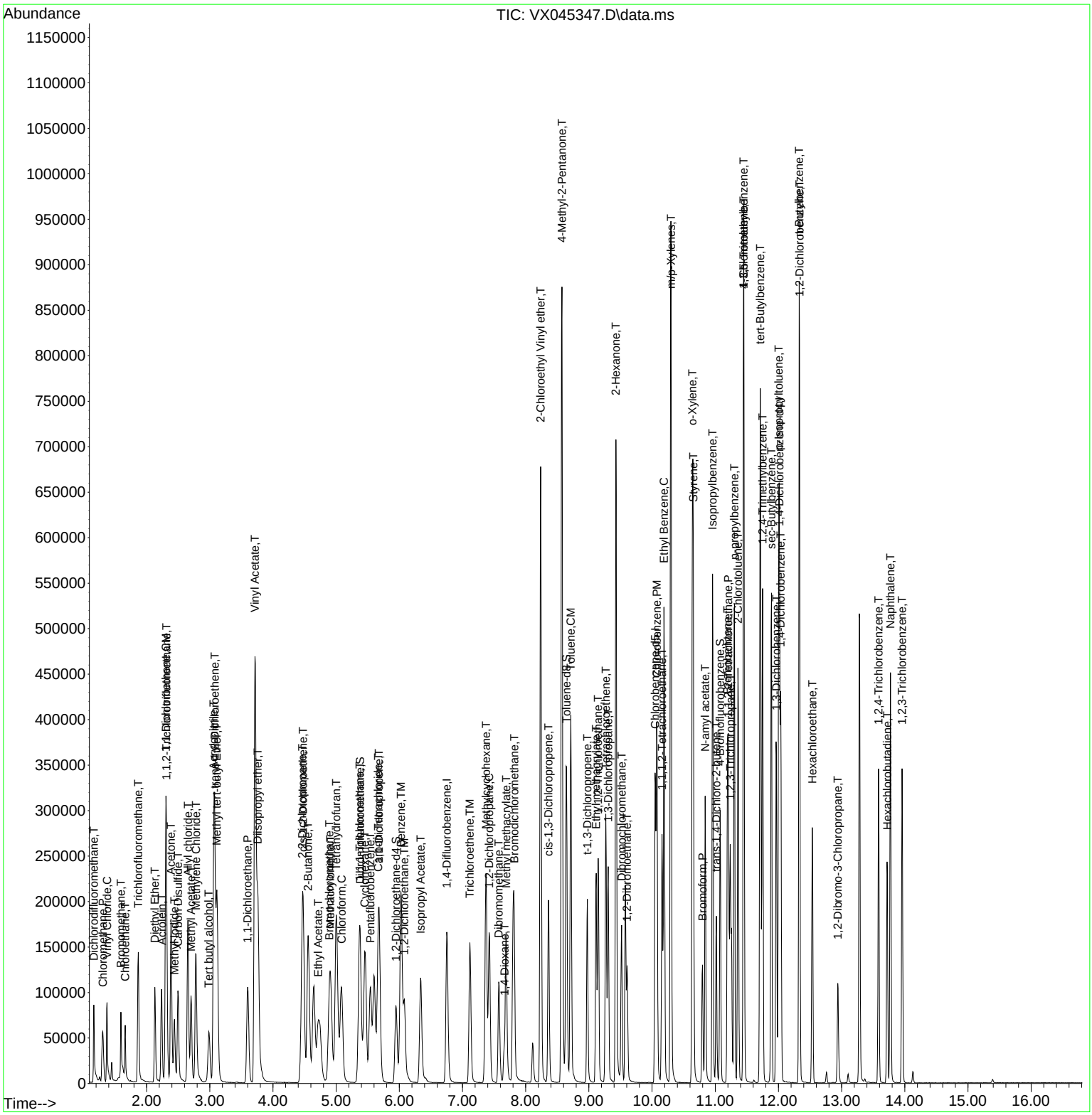
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Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

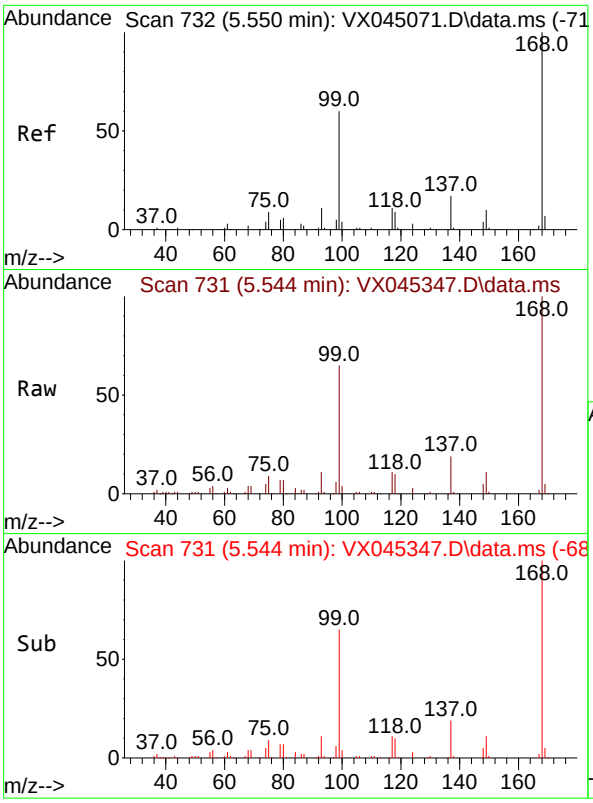
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

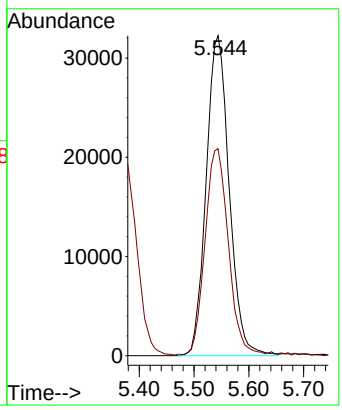




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:168 Resp: 9409

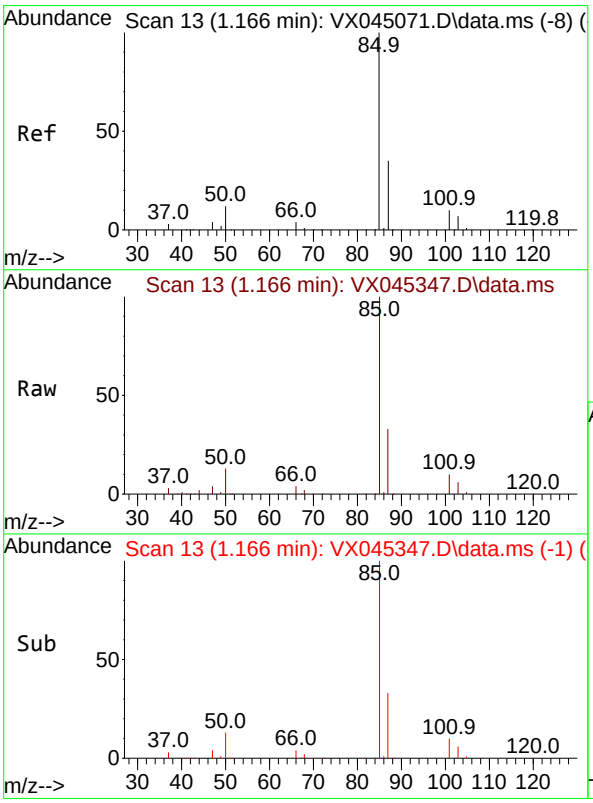
Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

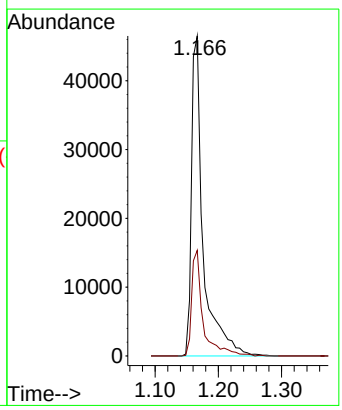
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

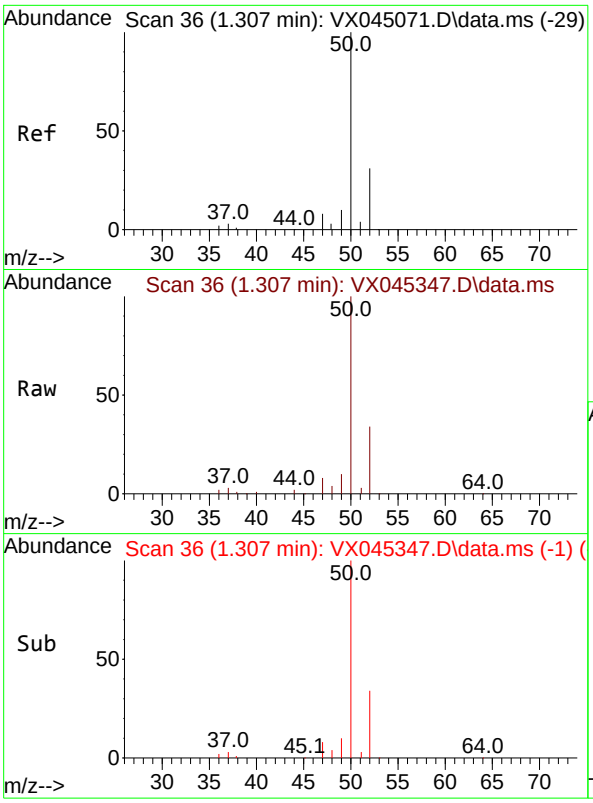


#2
Dichlorodifluoromethane
Concen: 50.442 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 85 Resp: 59746

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3

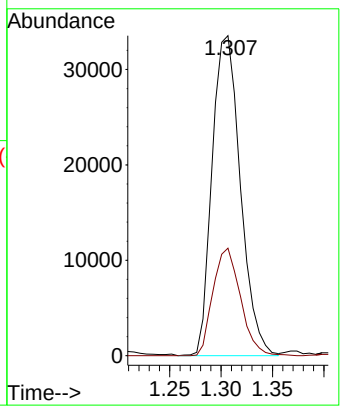




#3
Chloromethane
Concen: 44.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 50 Resp: 6430

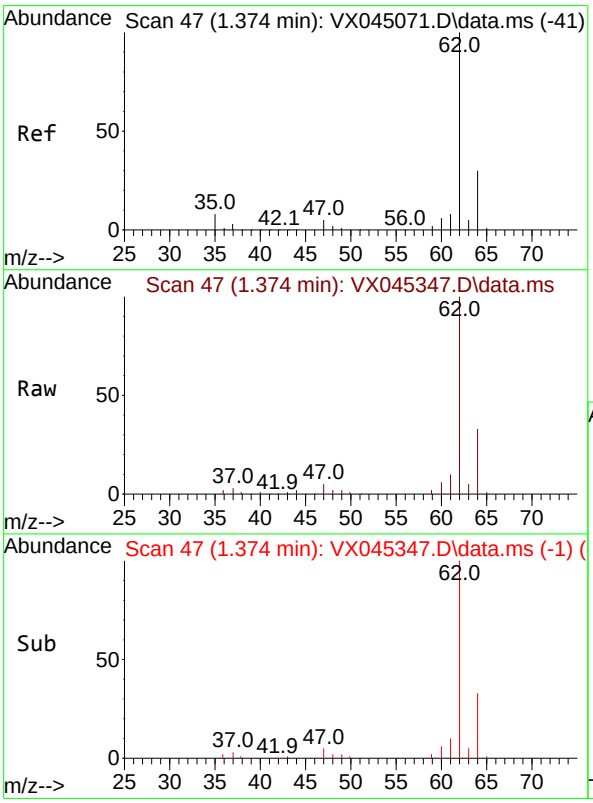
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

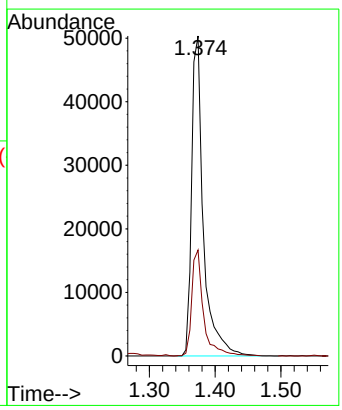
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

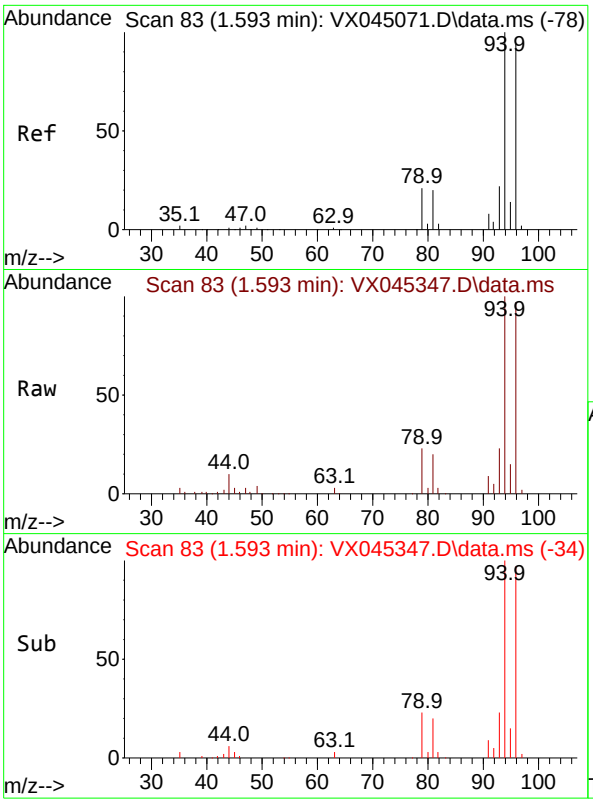


#4
Vinyl Chloride
Concen: 43.004 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 61838

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.3	36.5





#5
Bromomethane
Concen: 45.822 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

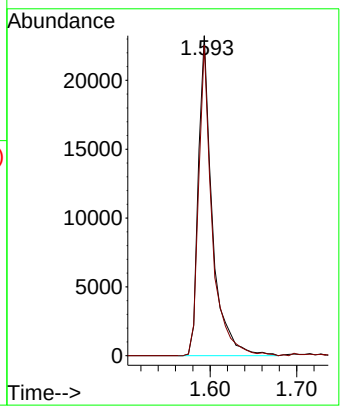
Tgt Ion: 94 Resp: 2590

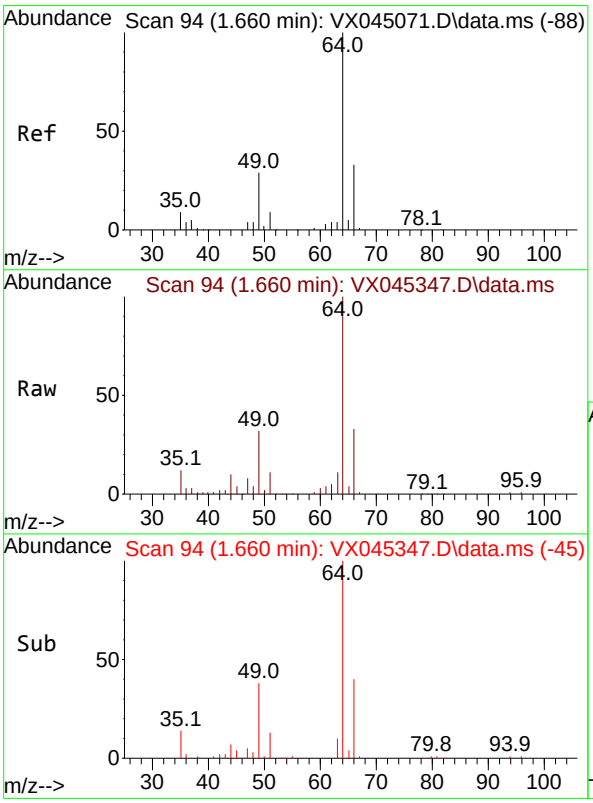
Ion	Ratio	Lower	Upper
94	100		
96	96.9	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

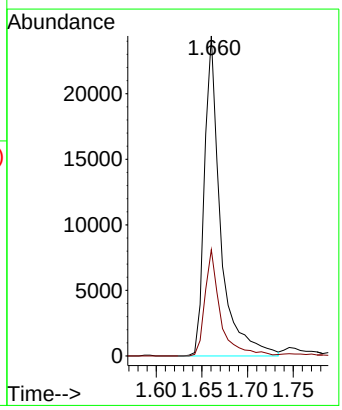


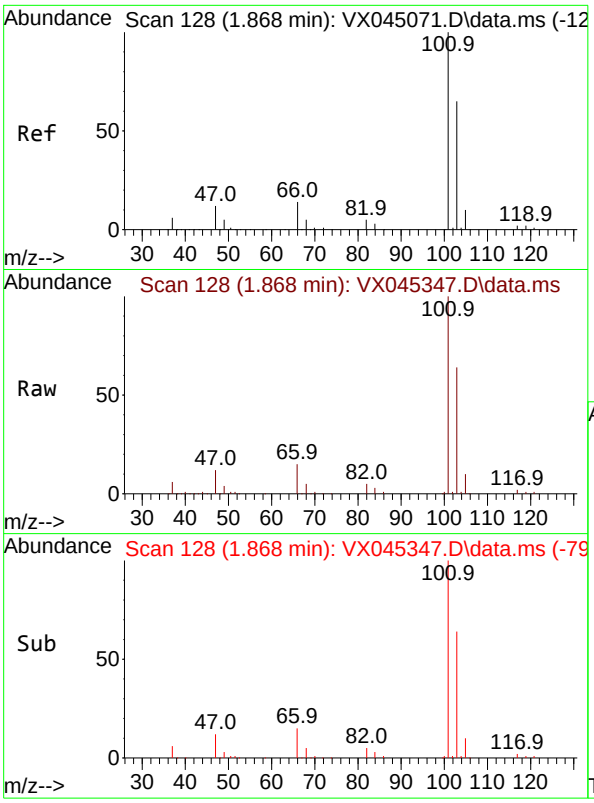


#6
Chloroethane
Concen: 44.831 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 64 Resp: 29735

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.7	40.1

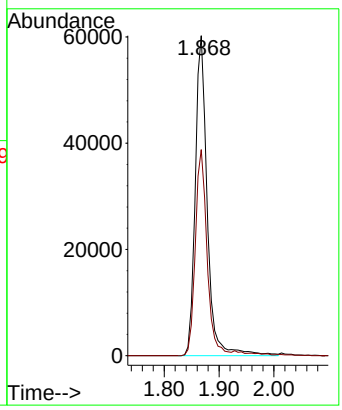




#7
Trichlorofluoromethane
Concen: 48.366 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:101 Resp: 9206

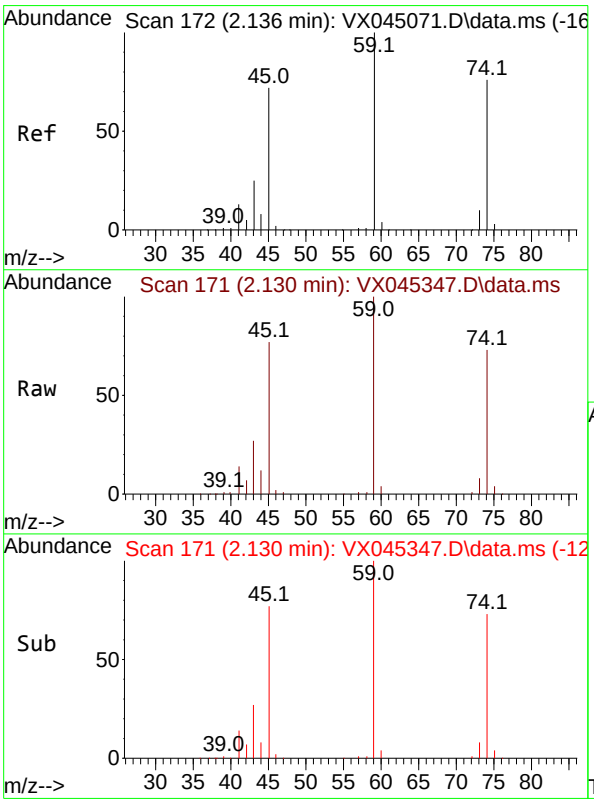
Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

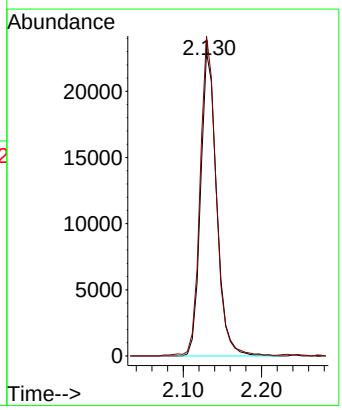
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

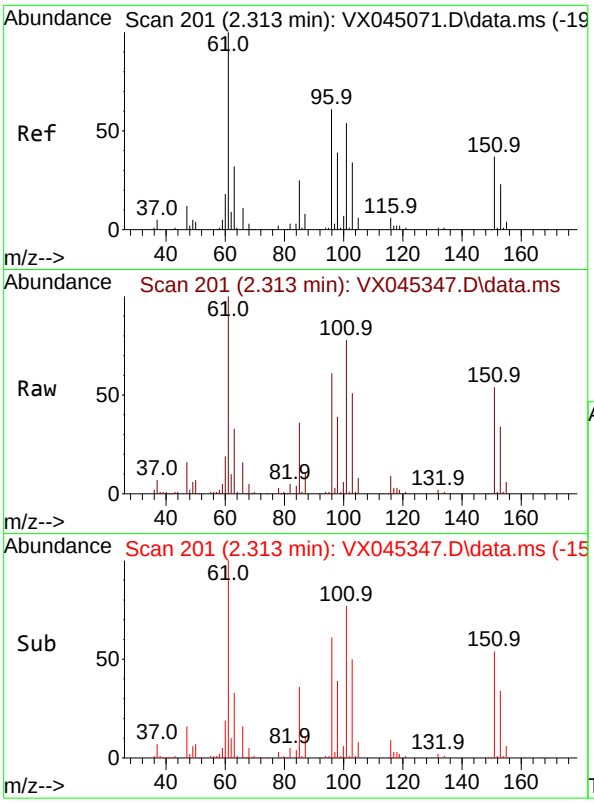


#8
Diethyl Ether
Concen: 43.843 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 74 Resp: 32644

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.396 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

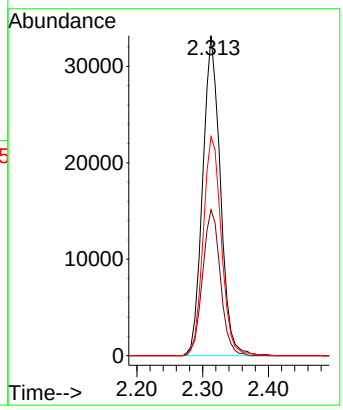
Tgt Ion:101 Resp: 6167

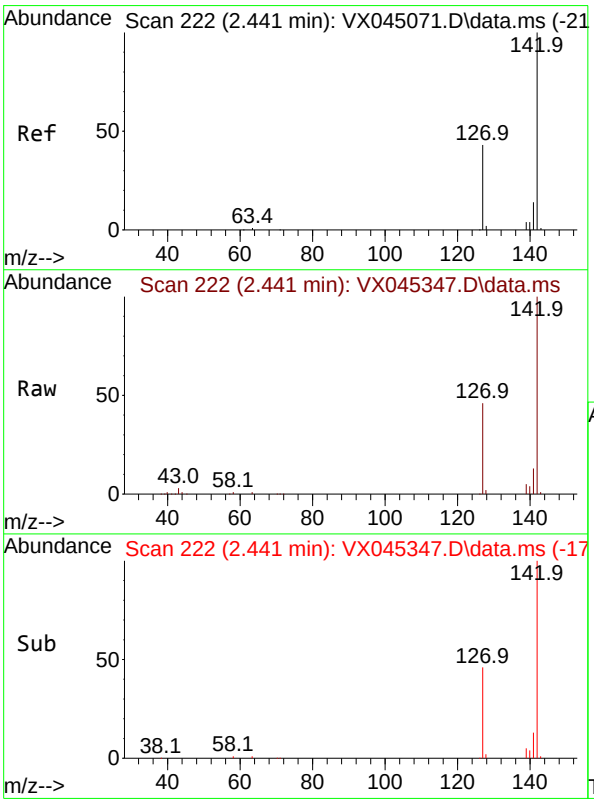
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.6	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

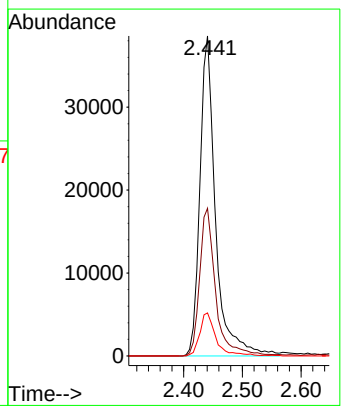


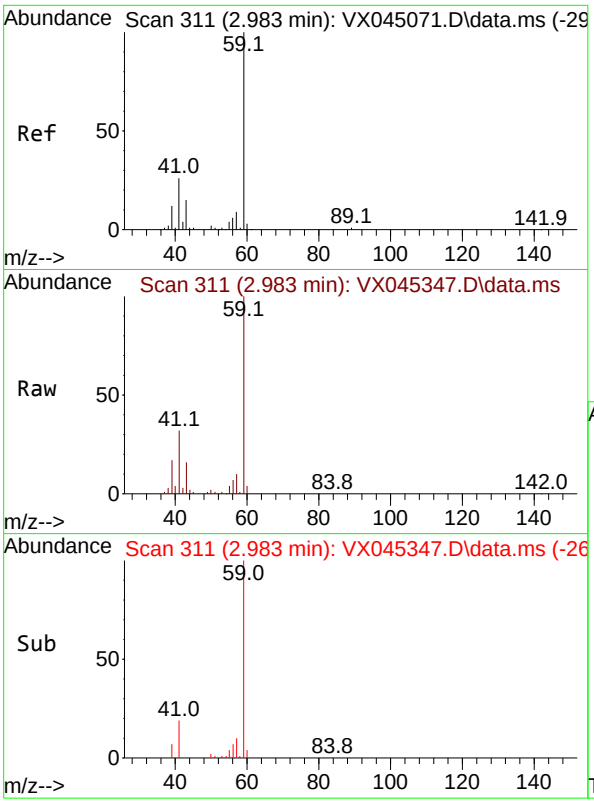


#10
Methyl Iodide
Concen: 52.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:142 Resp: 71548

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.4	53.2
141	13.9	11.6	17.4

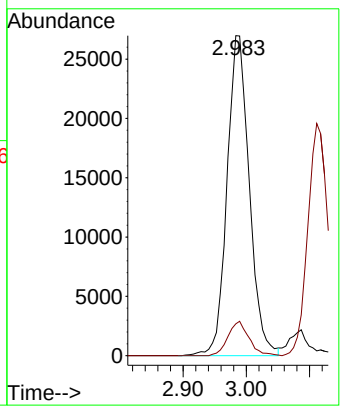




#11
Tert butyl alcohol
Concen: 232.818 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 59 Resp: 6600

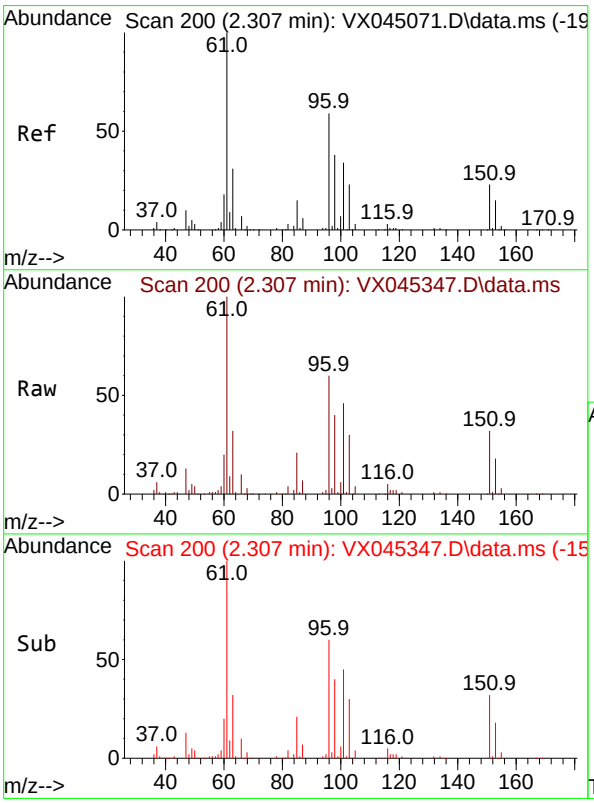
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

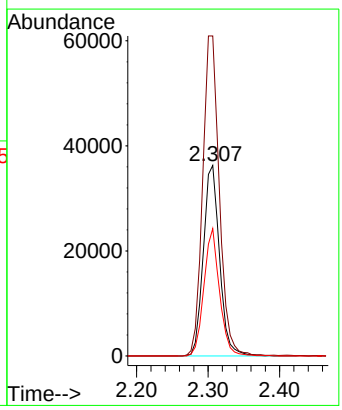
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

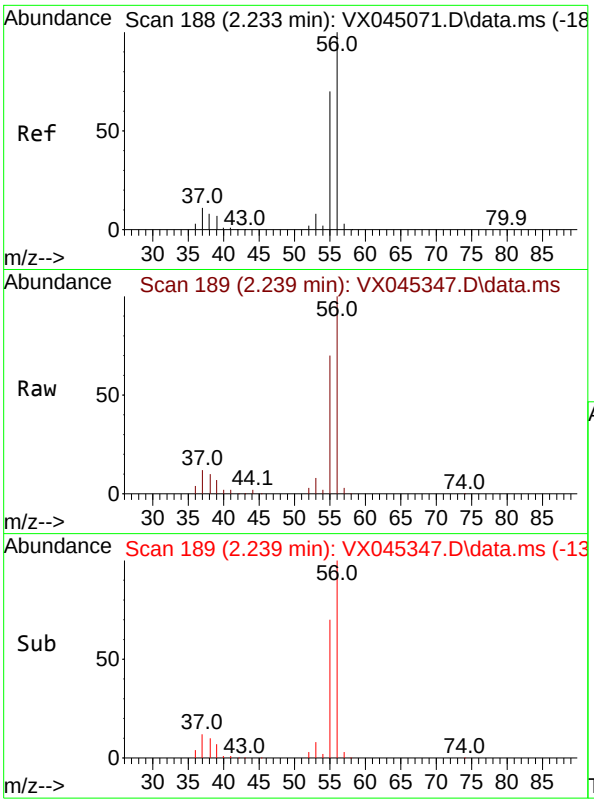


#12
1,1-Dichloroethene
Concen: 49.441 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 57166

Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.6	202.0
98	66.8	51.0	76.6

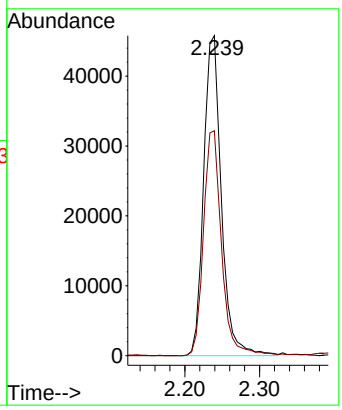




#13
Acrolein
Concen: 229.981 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 56 Resp: 7537

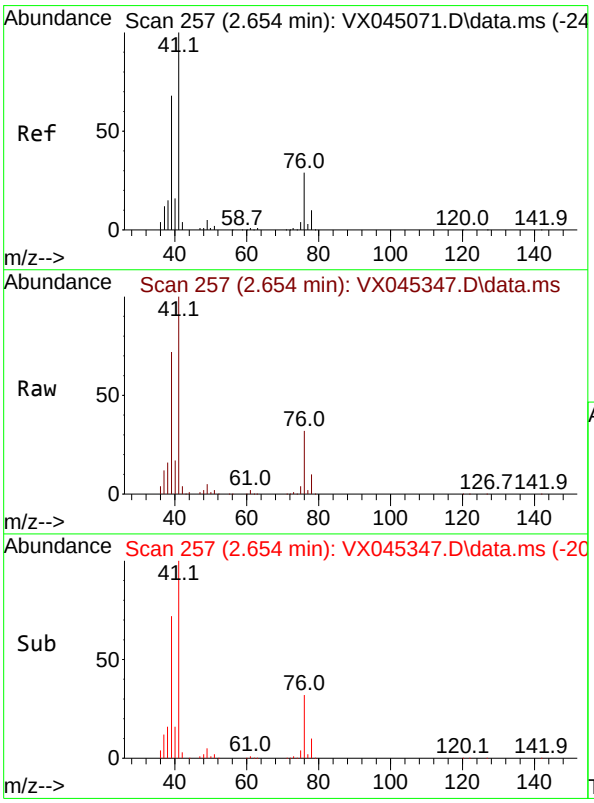
Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

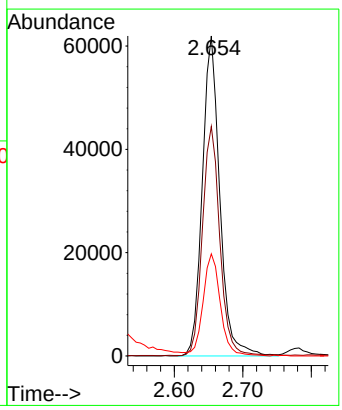
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

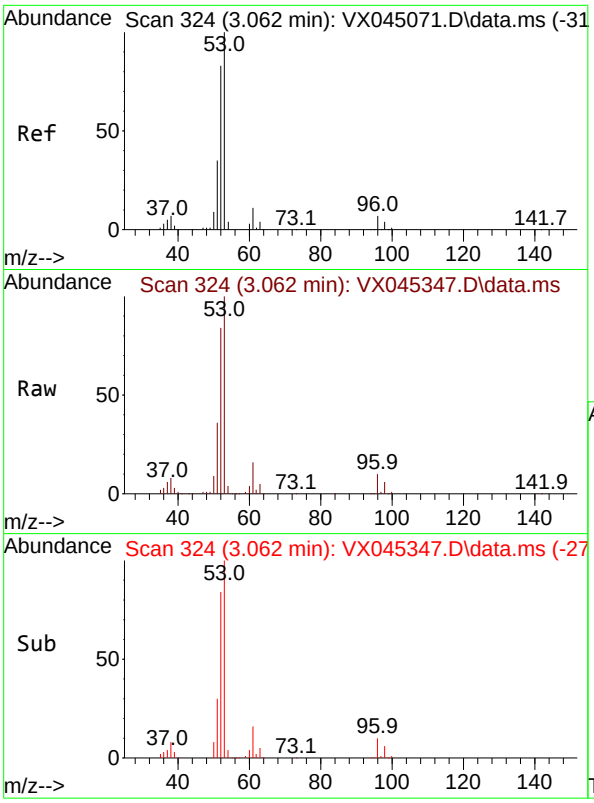


#14
Allyl chloride
Concen: 53.602 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 110322

Ion	Ratio	Lower	Upper
41	100		
39	70.6	53.8	80.8
76	31.7	25.2	37.8





#15
Acrylonitrile
Concen: 264.049 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

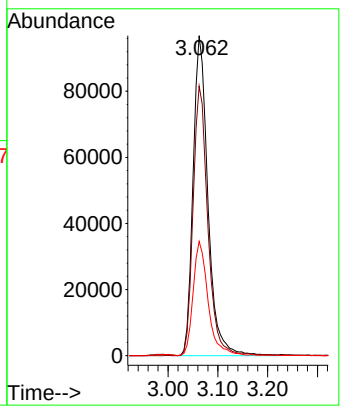
Tgt Ion: 53 Resp: 20063

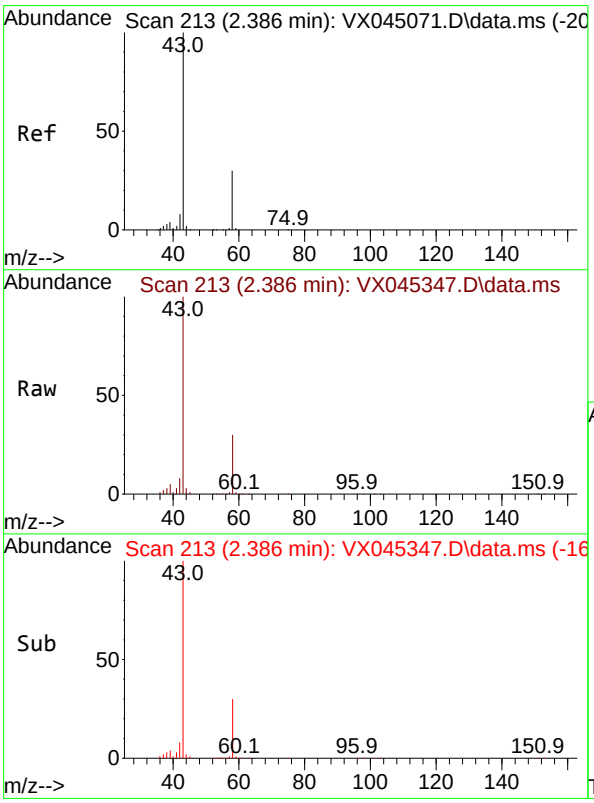
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	35.8	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

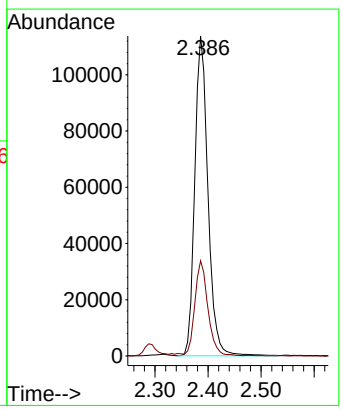


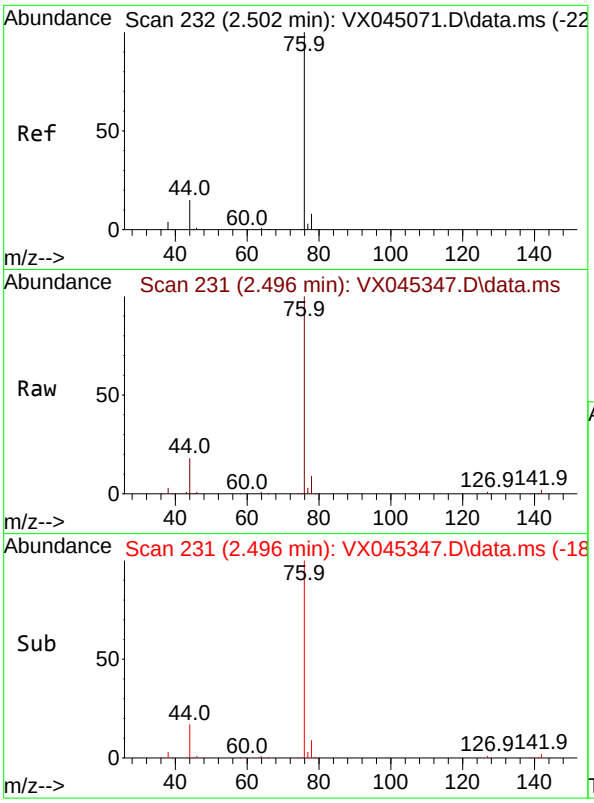


#16
Acetone
Concen: 282.690 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 196313

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4

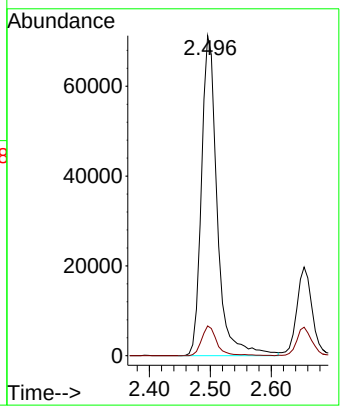




#17
Carbon Disulfide
Concen: 41.629 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 76 Resp: 12820

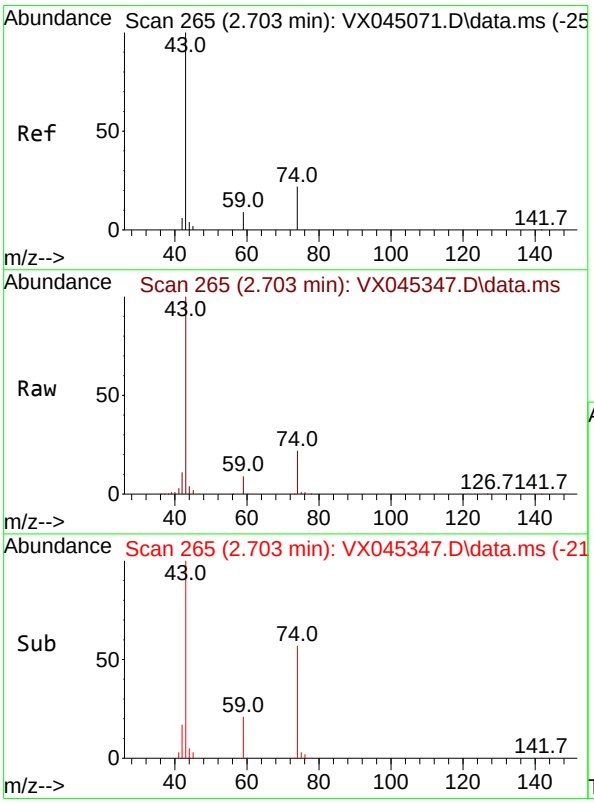
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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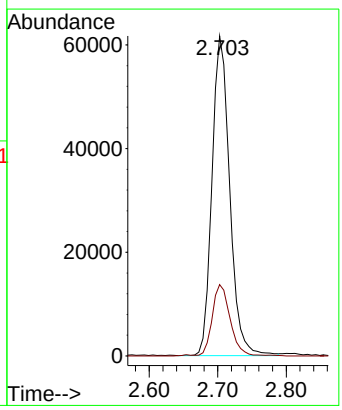
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

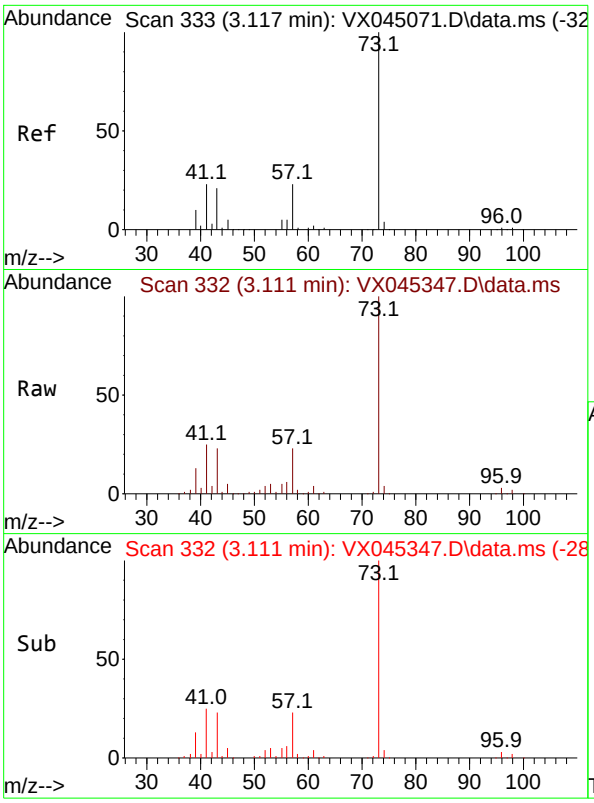


#18
Methyl Acetate
Concen: 66.439 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 110994

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

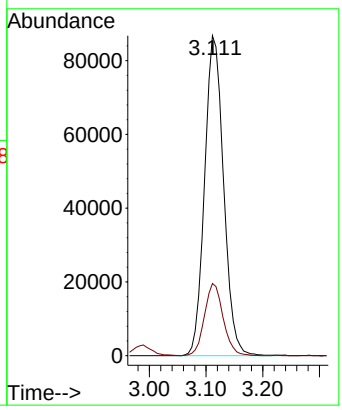




#19
Methyl tert-butyl Ether
Concen: 51.972 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 73 Resp: 20161

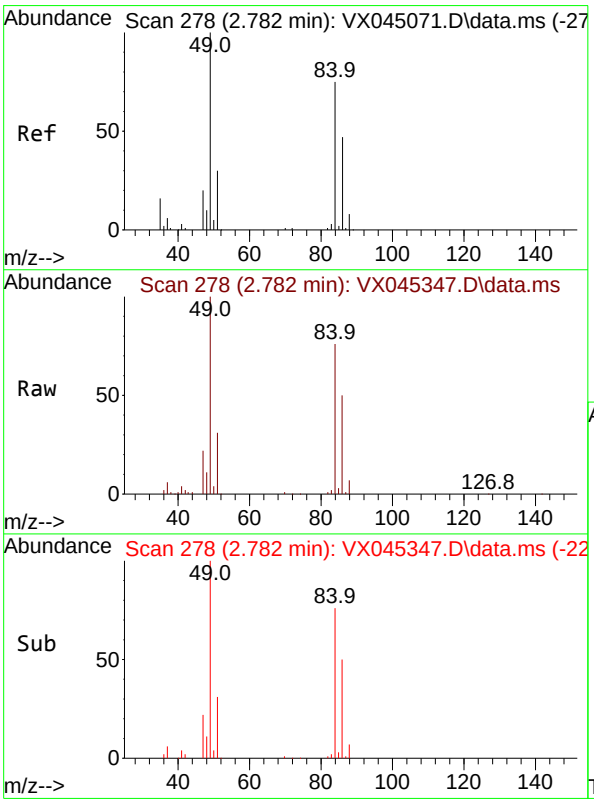
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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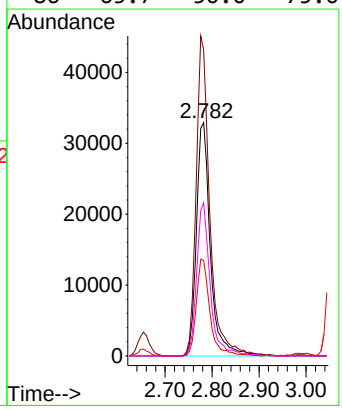
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

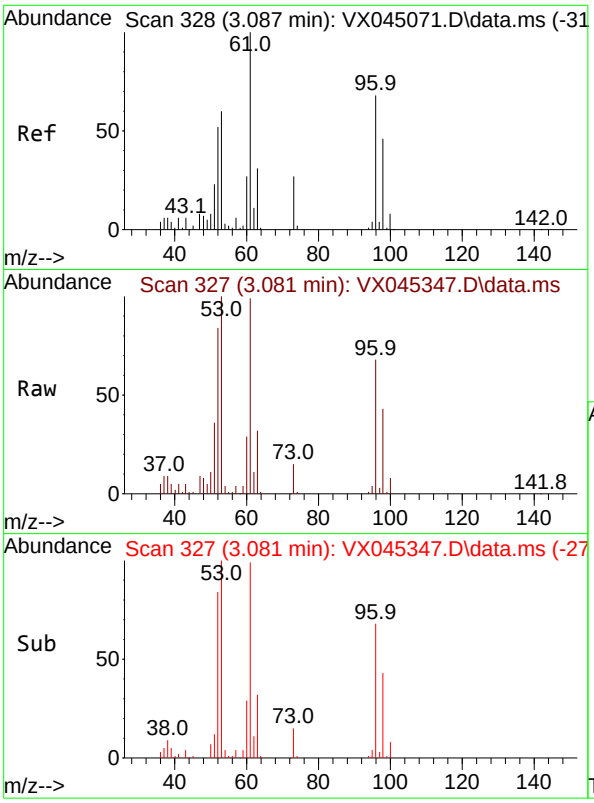


#20
Methylene Chloride
Concen: 49.504 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 84 Resp: 68099

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.0	32.1	48.1
86	65.7	50.0	75.0

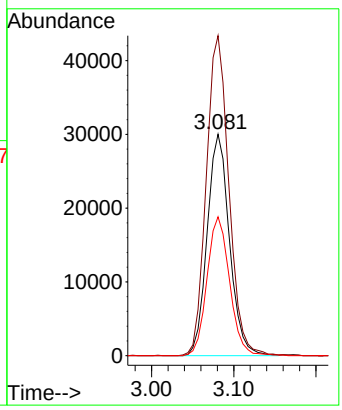




#21
trans-1,2-Dichloroethene
Concen: 49.612 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 5667

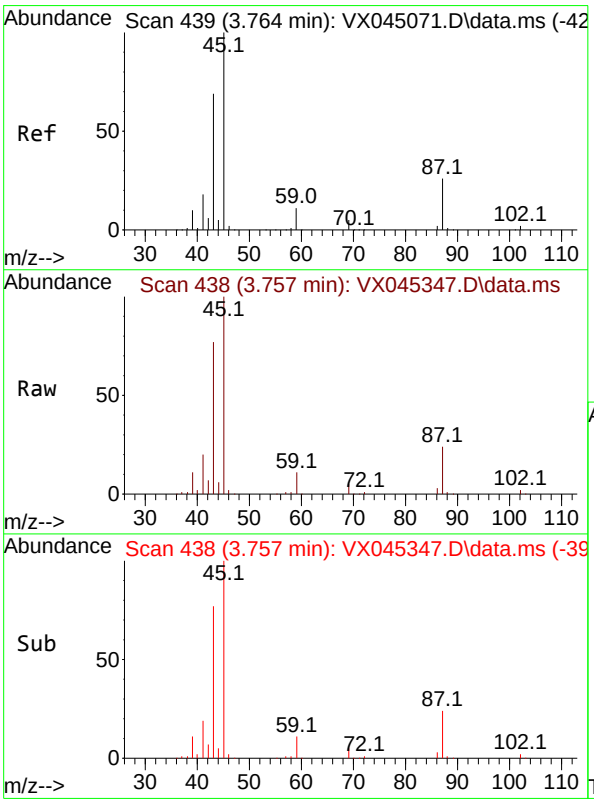
Ion	Ratio	Lower	Upper
96	100		
61	144.5	117.0	175.4
98	62.7	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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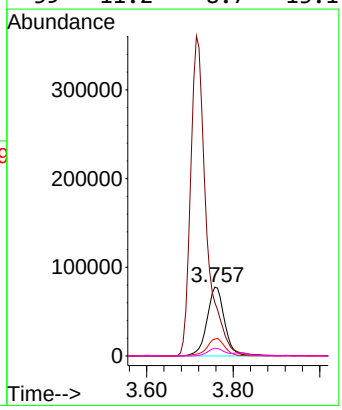
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

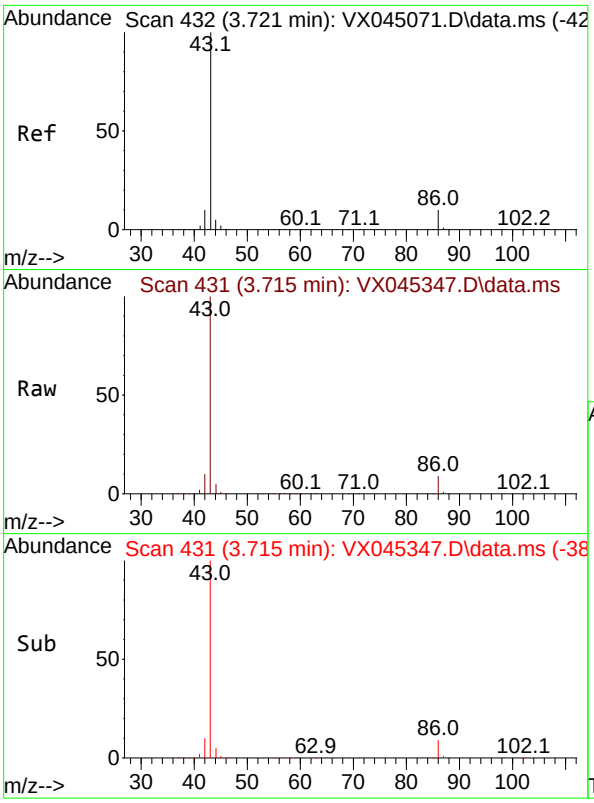


#22
Diisopropyl ether
Concen: 52.186 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 45 Resp: 218443

Ion	Ratio	Lower	Upper
45	100		
43	76.8	54.9	82.3
87	24.5	21.0	31.4
59	11.2	8.7	13.1

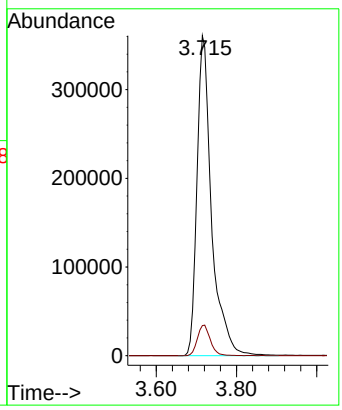




#23
Vinyl Acetate
Concen: 260.960 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 91156

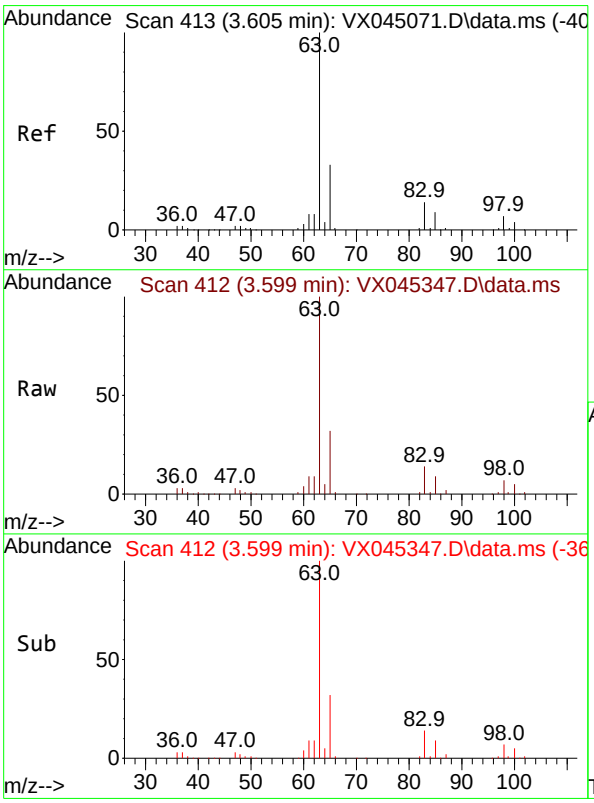
Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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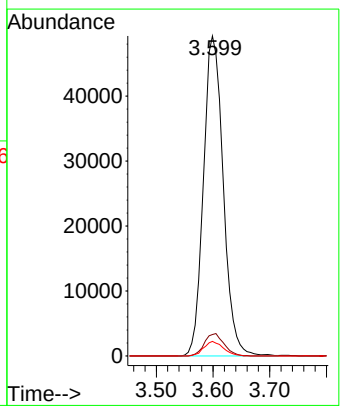
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

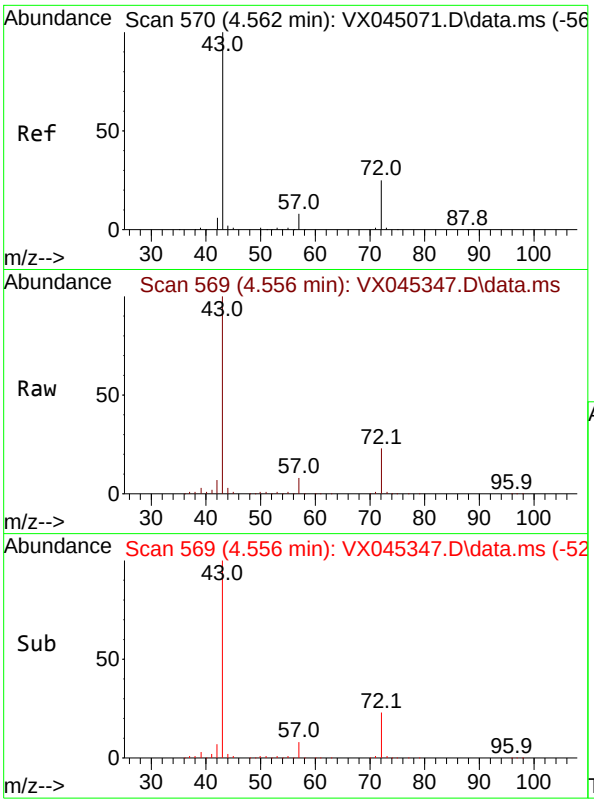


#24
1,1-Dichloroethane
Concen: 50.922 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 119458

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 274.133 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

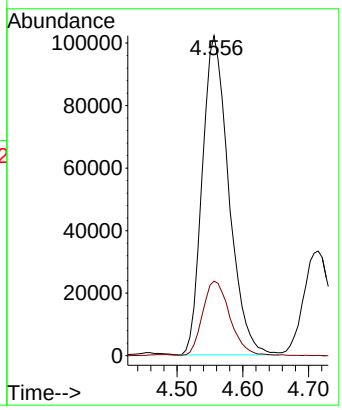
Tgt Ion: 43 Resp: 28655

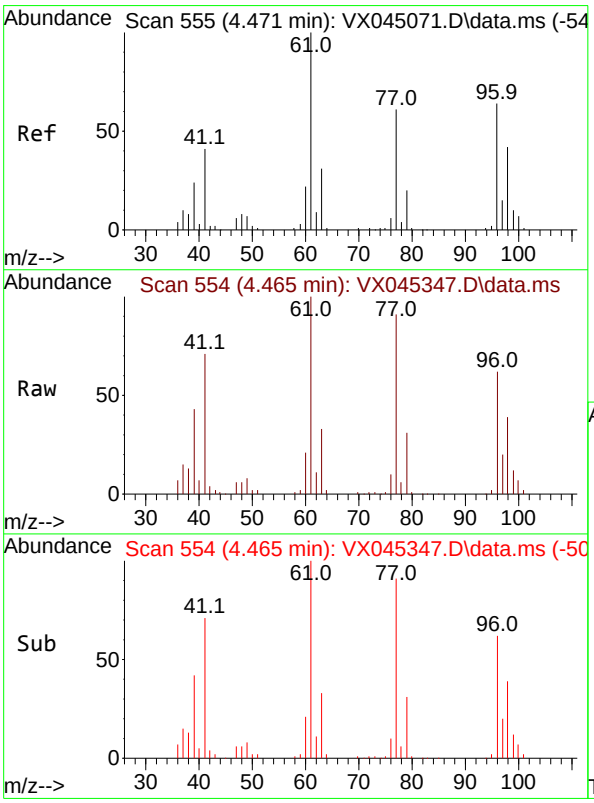
Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

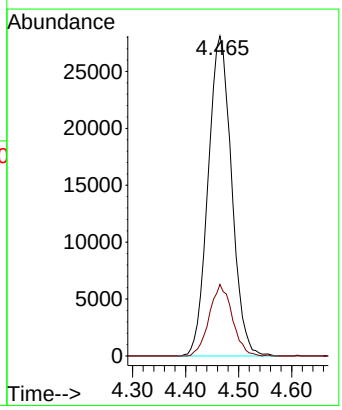


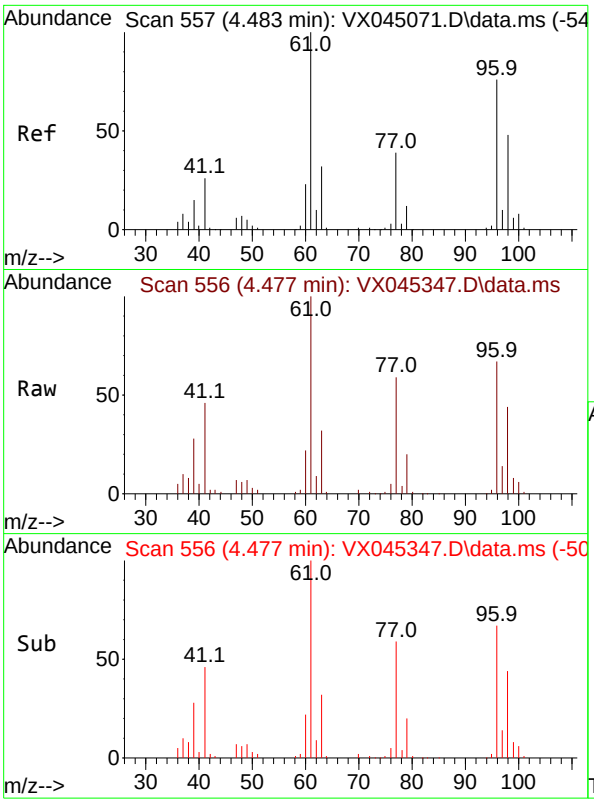


#26
2,2-Dichloropropane
Concen: 78.567 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 77 Resp: 86451

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0

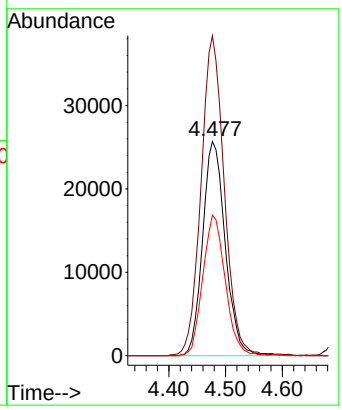




#27
cis-1,2-Dichloroethene
Concen: 50.388 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 7105

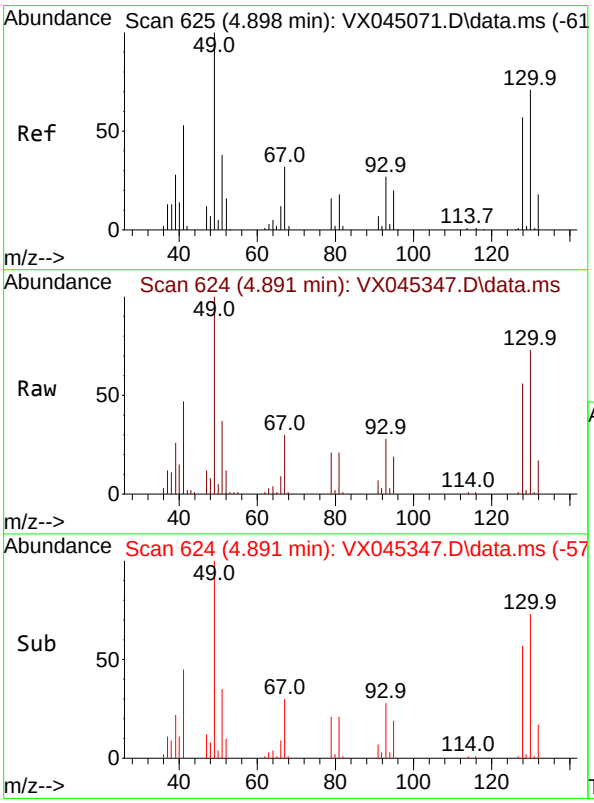
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	283.2
98	65.4	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

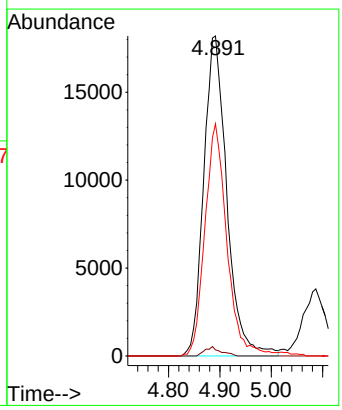
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

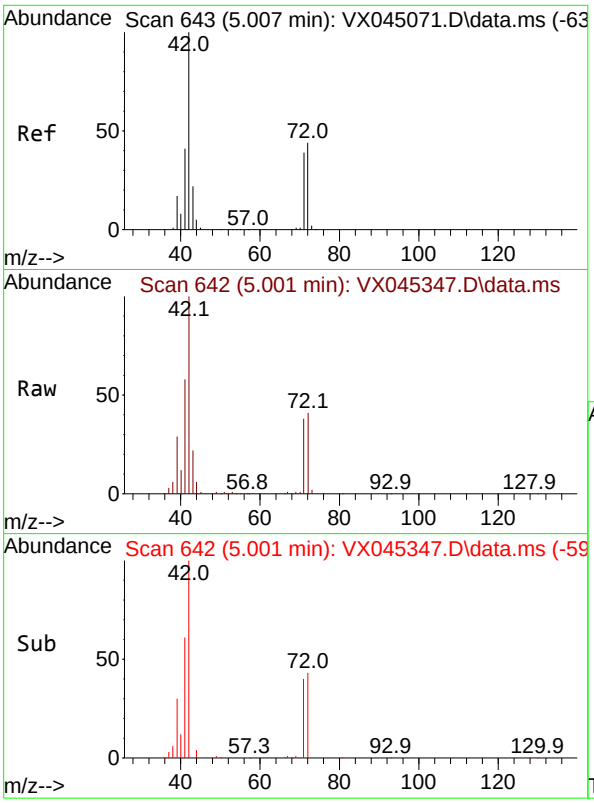


#28
Bromochloromethane
Concen: 50.753 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 49 Resp: 56750

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.0	56.1	84.1





#29
Tetrahydrofuran
Concen: 251.058 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

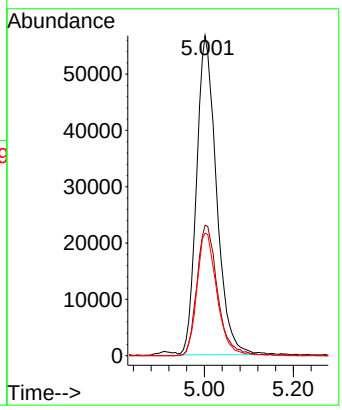
Tgt Ion: 42 Resp: 17623

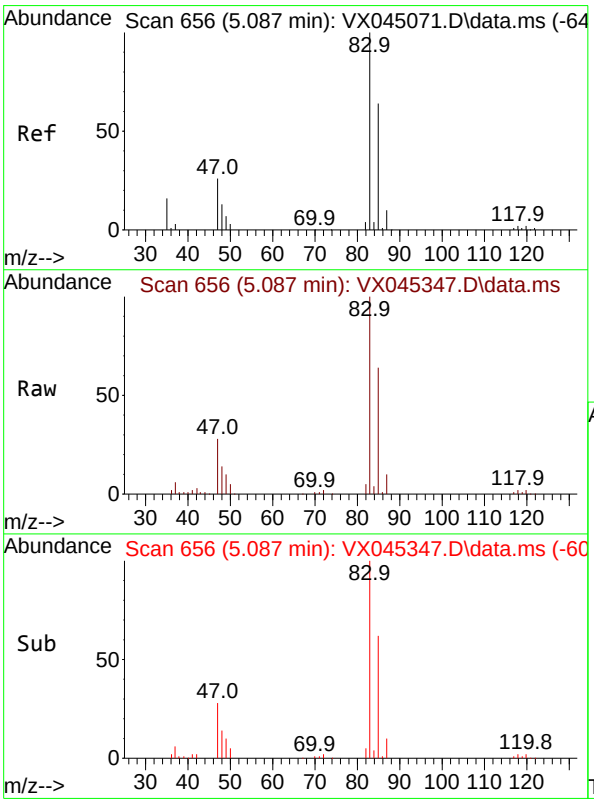
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

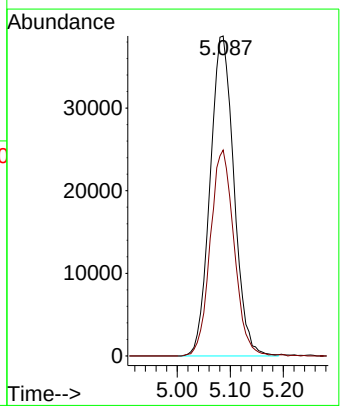


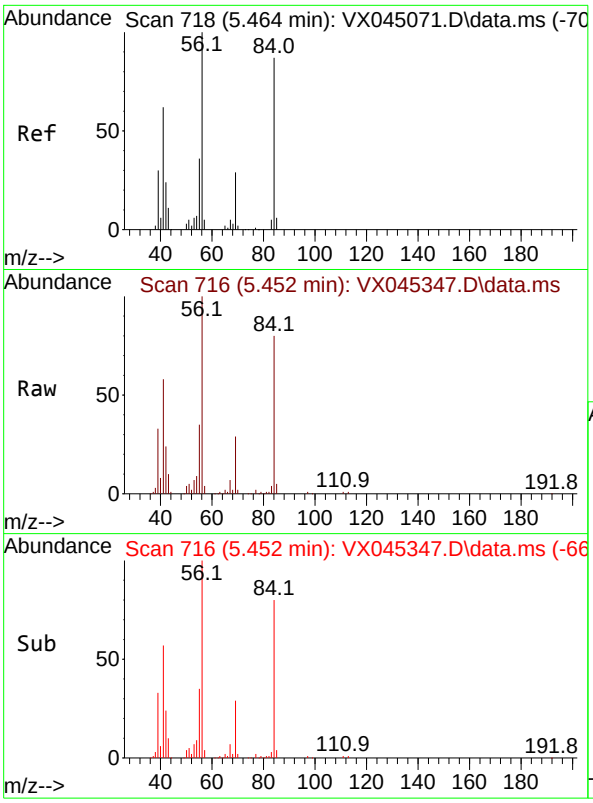


#30
Chloroform
Concen: 51.818 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

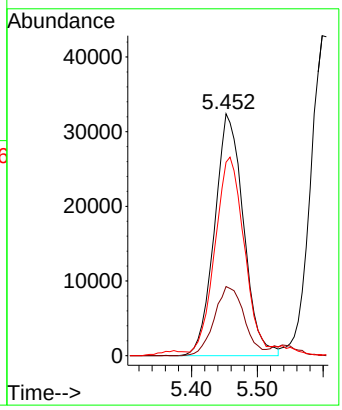




#31
Cyclohexane
Concen: 48.741 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 56 Resp: 9925

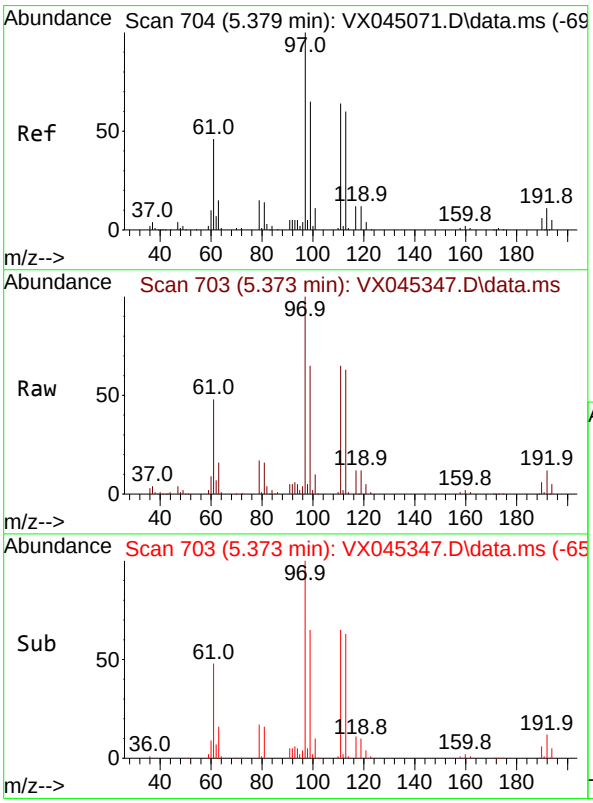
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.2
84	78.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

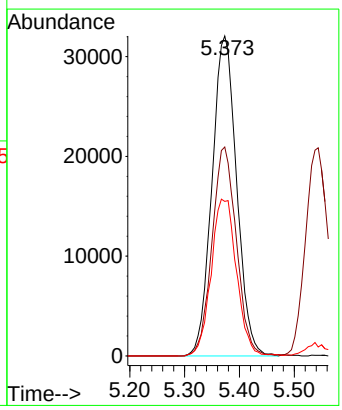
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

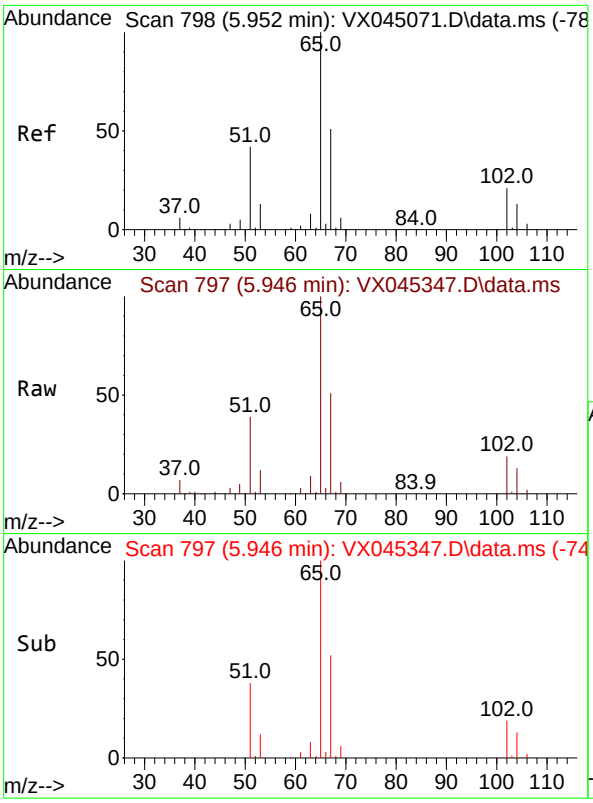


#32
1,1,1-Trichloroethane
Concen: 53.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 97 Resp: 100201

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.4	38.4	57.6

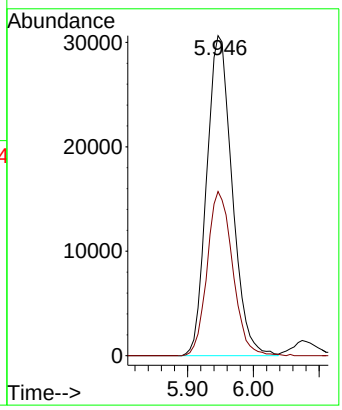




#33
1,2-Dichloroethane-d4
Concen: 55.125 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 65 Resp: 8250

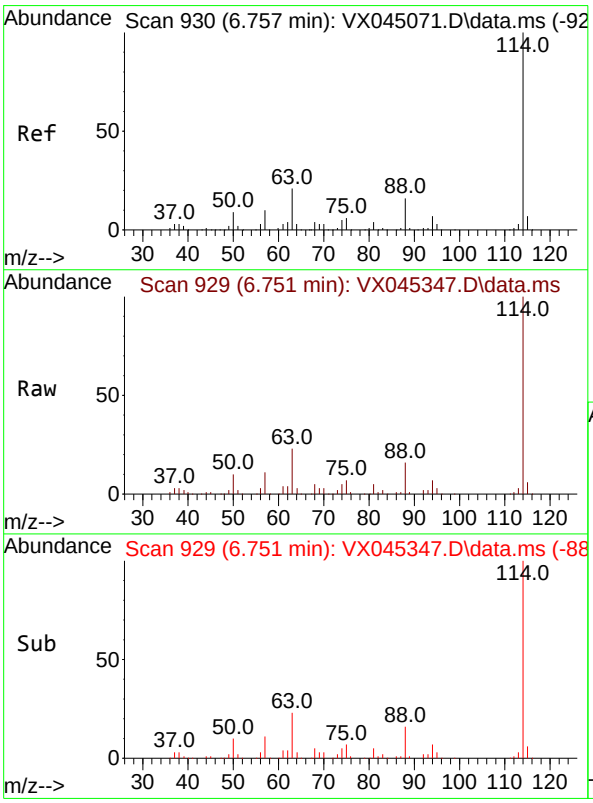
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

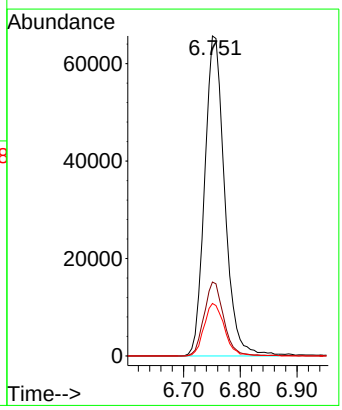
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

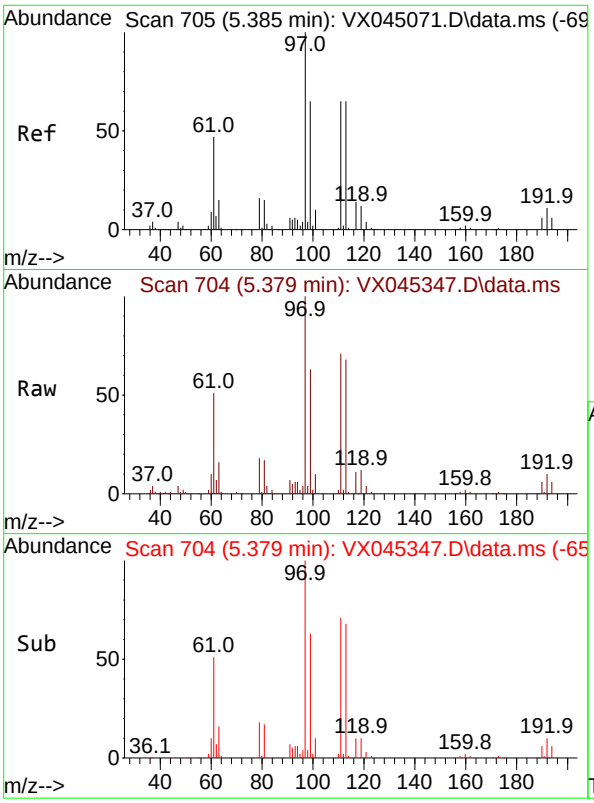


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:114 Resp: 160941

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	16.4	0.0	32.8

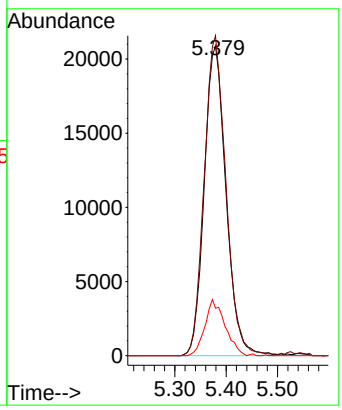




#35
Dibromofluoromethane
Concen: 57.055 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:113 Resp: 6140

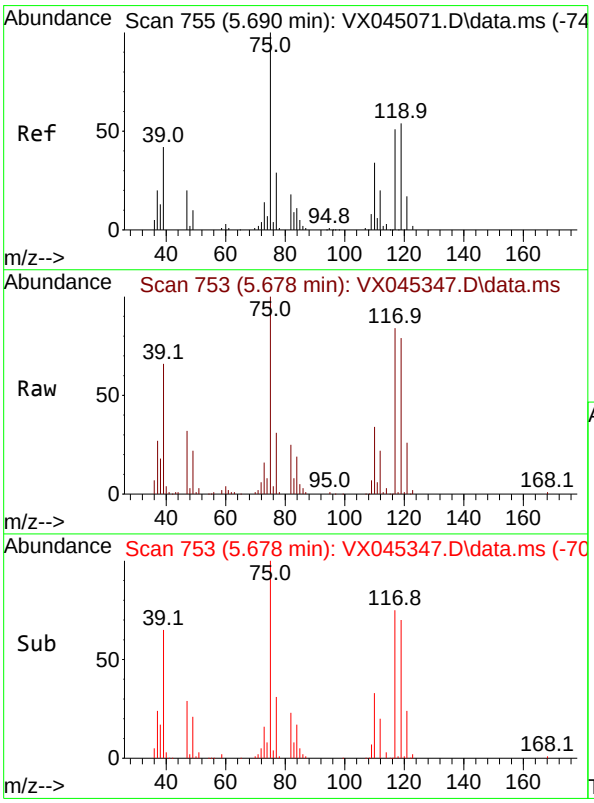
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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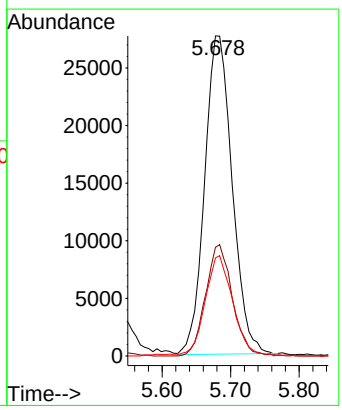
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

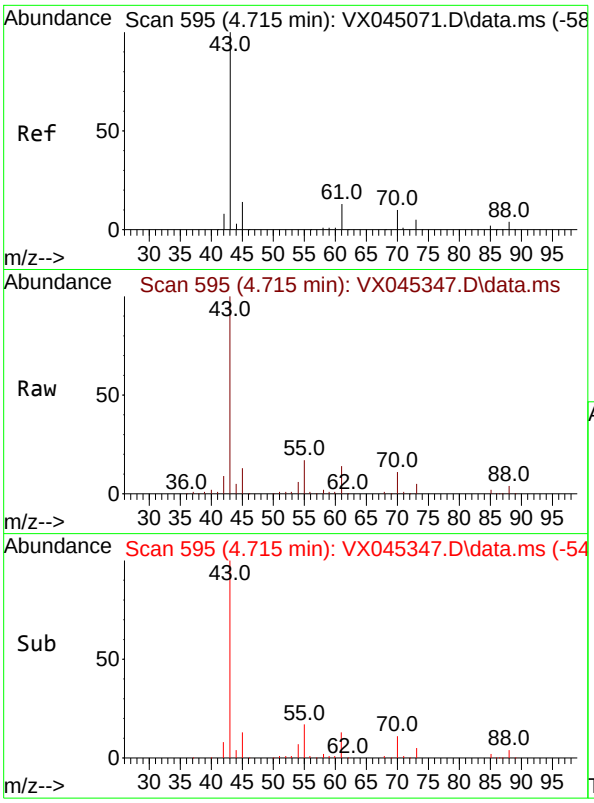


#36
1,1-Dichloropropene
Concen: 52.334 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 77237

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.5	24.5	36.7

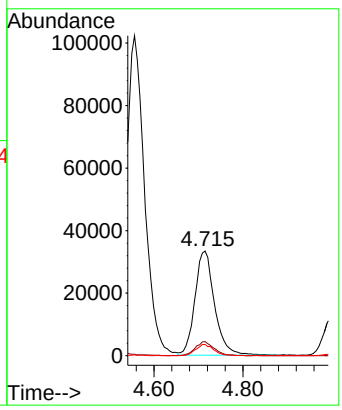




#37
Ethyl Acetate
Concen: 53.733 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 10218

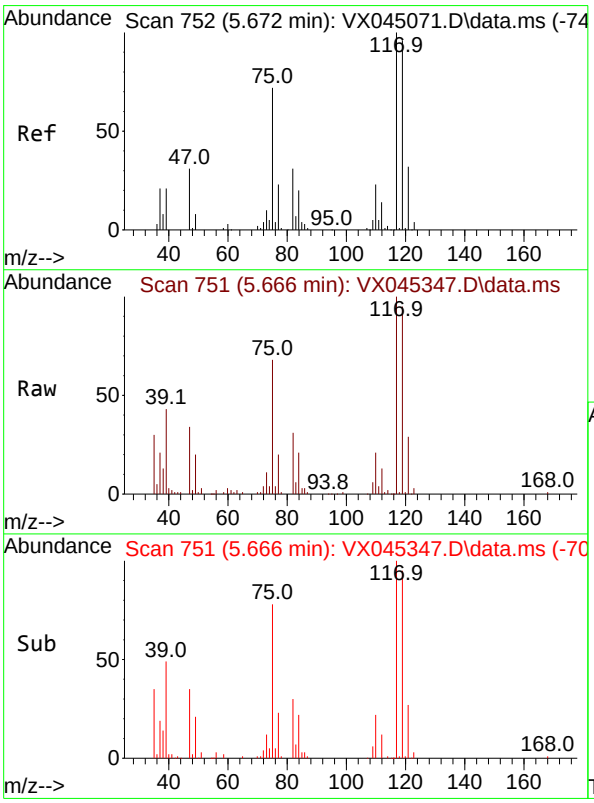
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	10.0	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

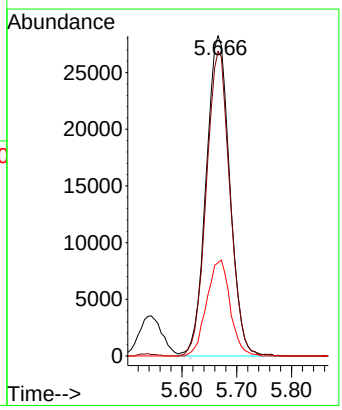
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

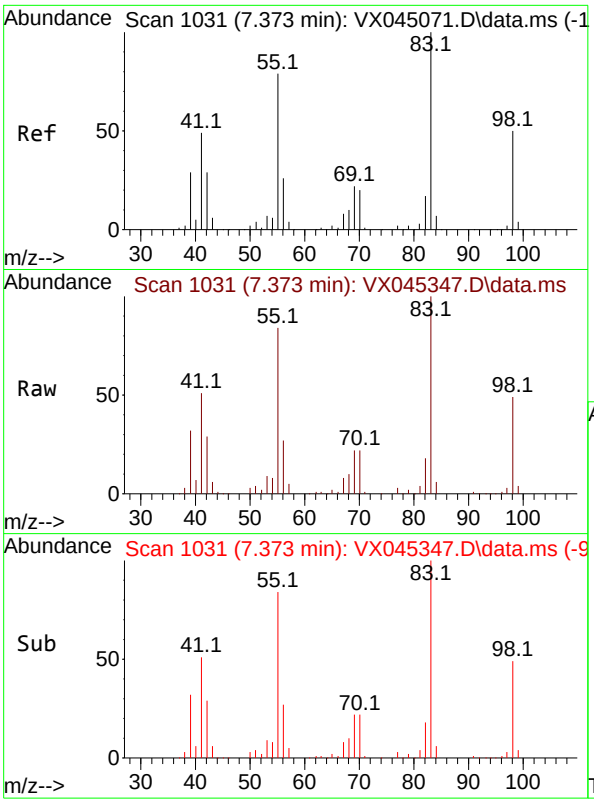


#38
Carbon Tetrachloride
Concen: 56.470 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 84612

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	29.2	25.5	38.3

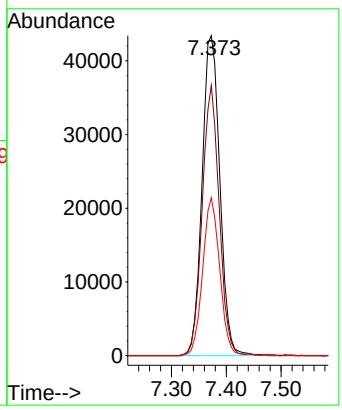




#39
Methylcyclohexane
Concen: 55.240 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 9768

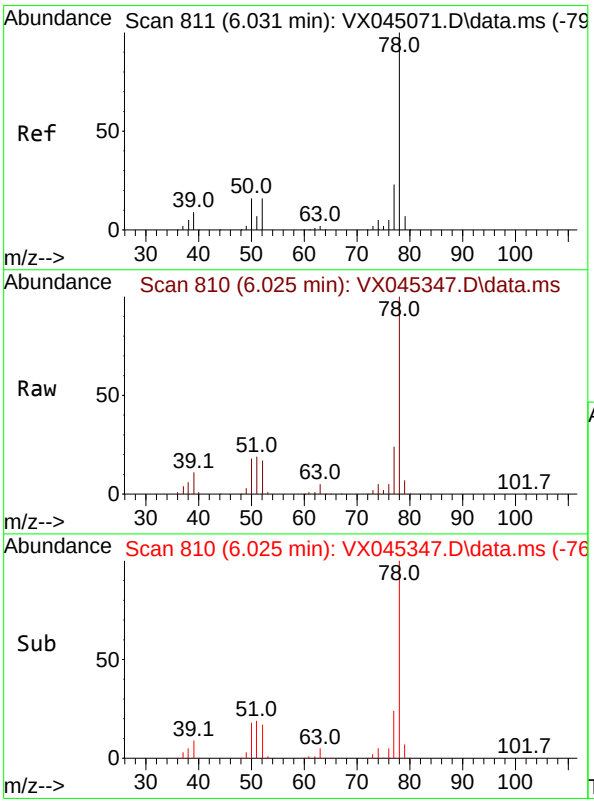
Ion	Ratio	Lower	Upper
83	100		
55	84.4	63.0	94.4
98	49.3	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

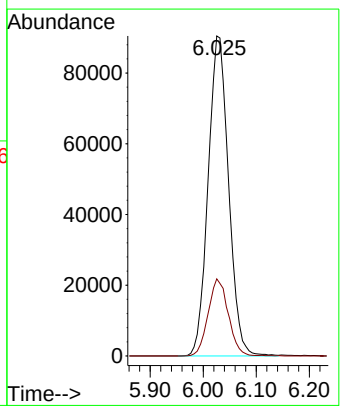
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

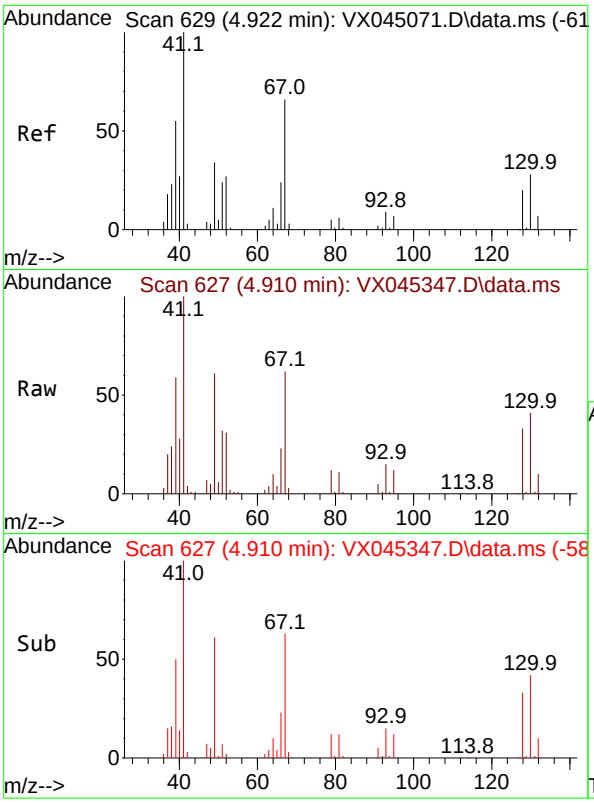


#40
Benzene
Concen: 51.973 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 78 Resp: 242215

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2

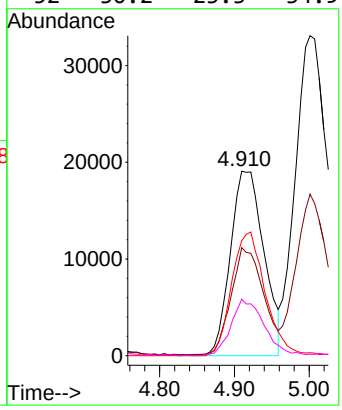




#41
Methacrylonitrile
Concen: 58.072 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 5971

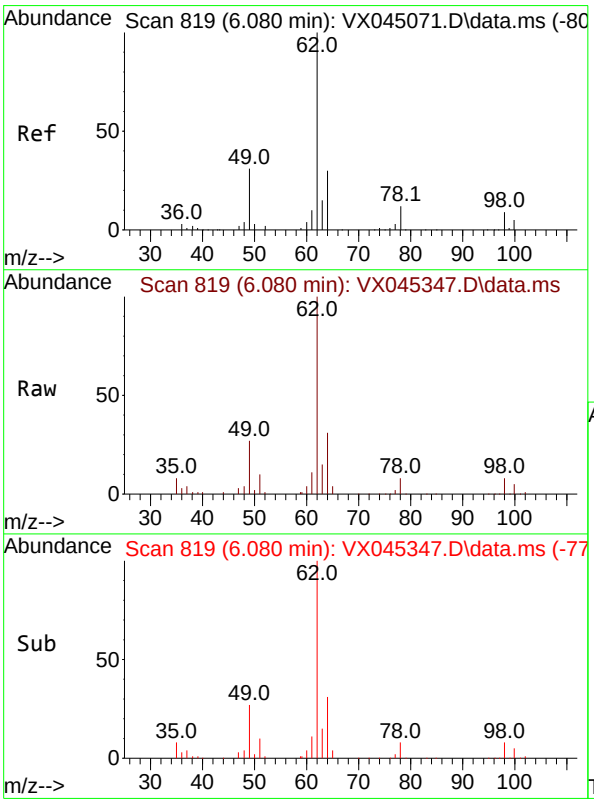
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	67.0
67	67.3	53.9	80.9
52	30.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

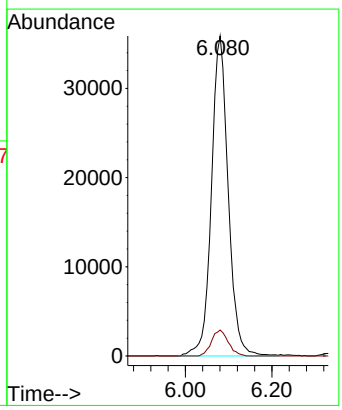
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

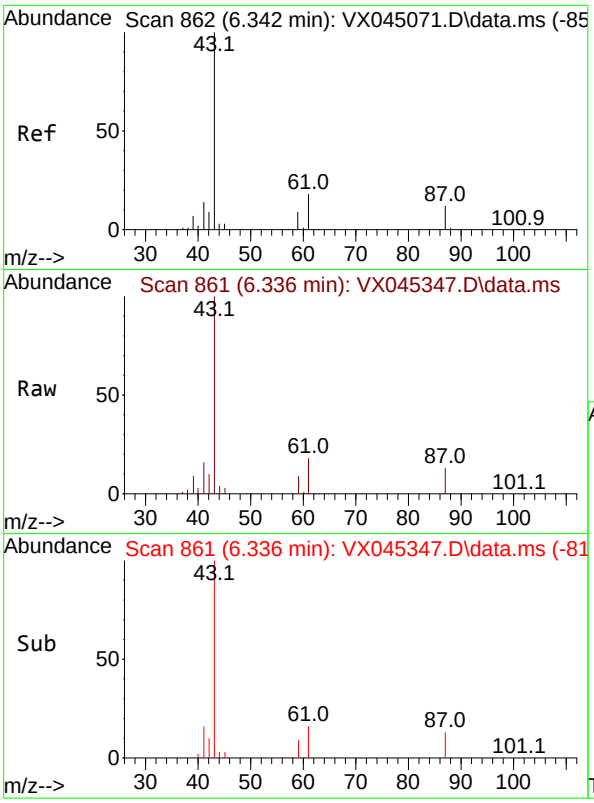


#42
1,2-Dichloroethane
Concen: 57.604 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 96672

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 56.979 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

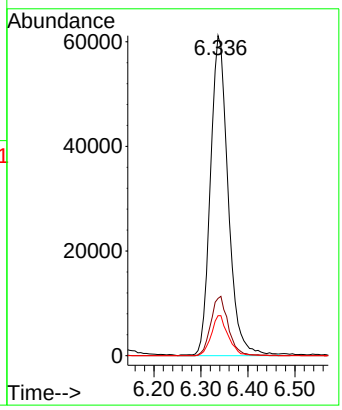
Tgt Ion: 43 Resp: 16023

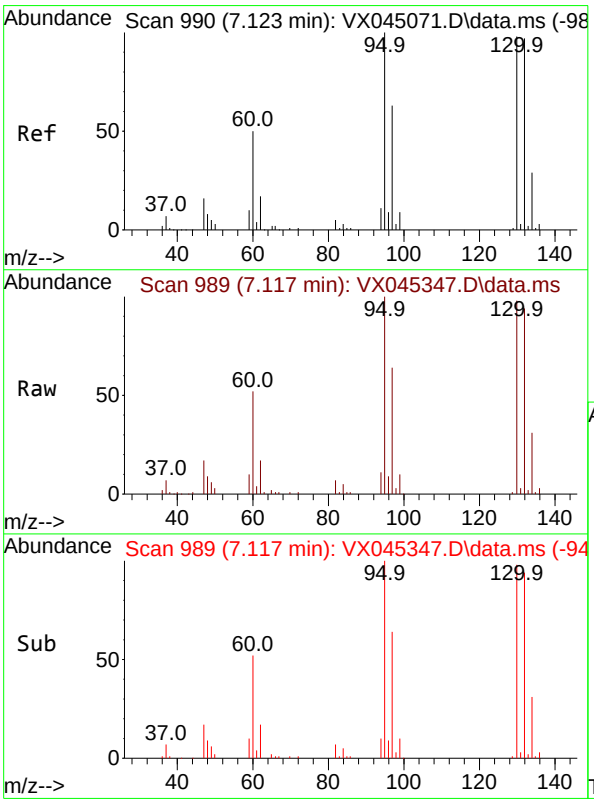
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.9	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

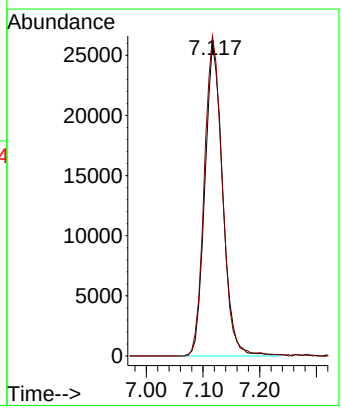


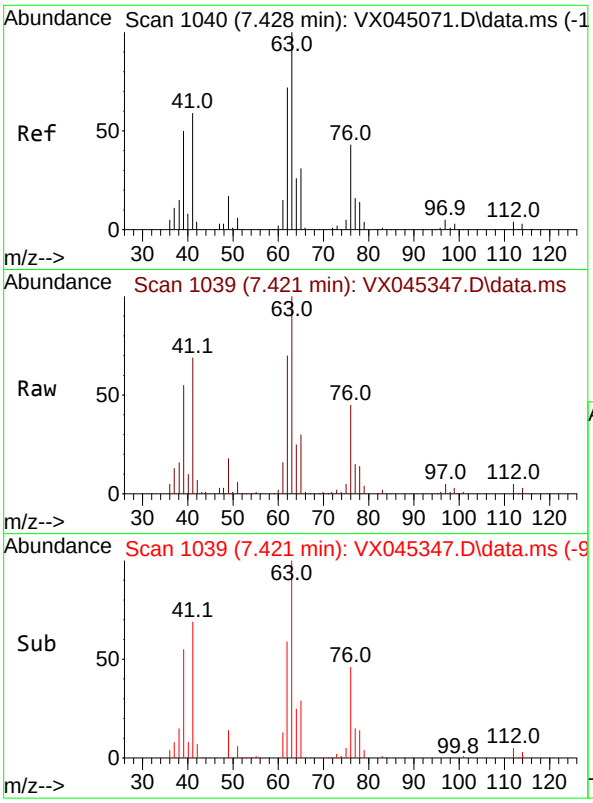


#44
Trichloroethene
Concen: 51.854 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:130 Resp: 56744

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.0

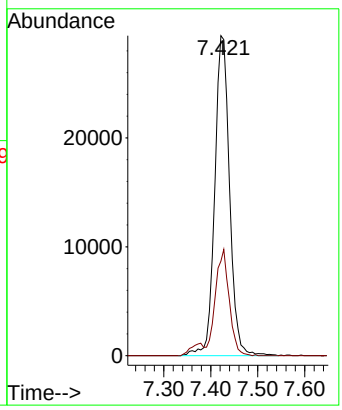




#45
1,2-Dichloropropane
Concen: 53.925 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 6461

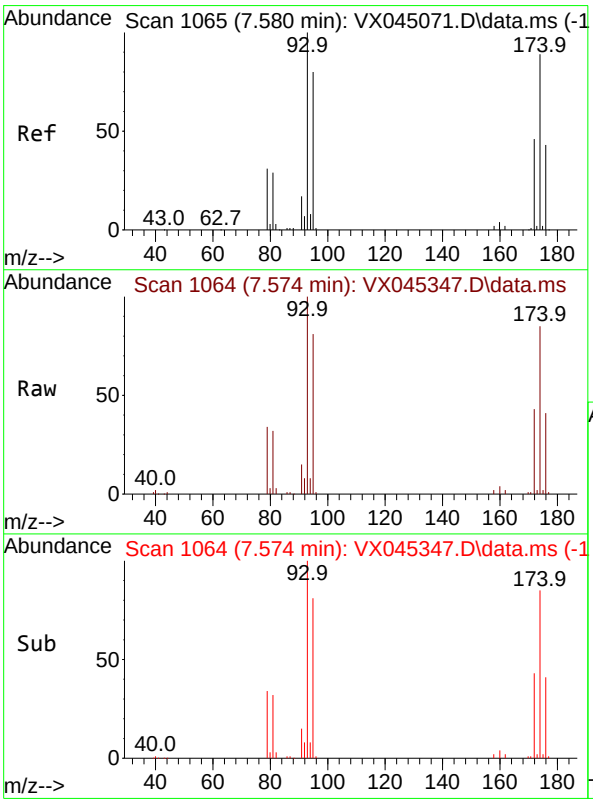
Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

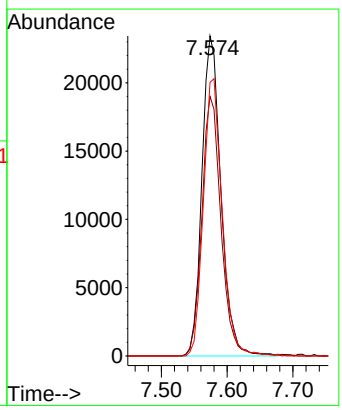
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

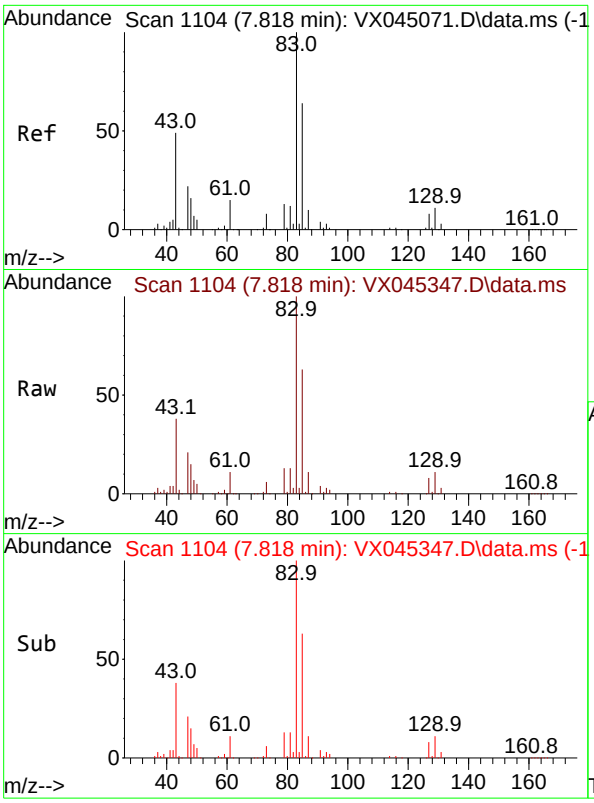


#46
Dibromomethane
Concen: 55.635 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 93 Resp: 47119

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	86.1	72.2	108.2

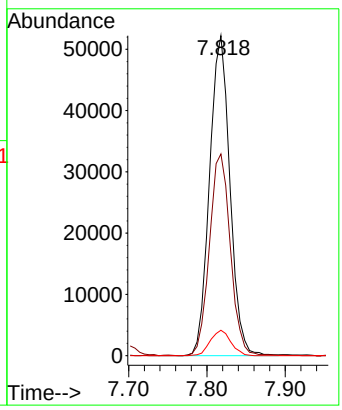




#47
Bromodichloromethane
Concen: 56.808 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 9437

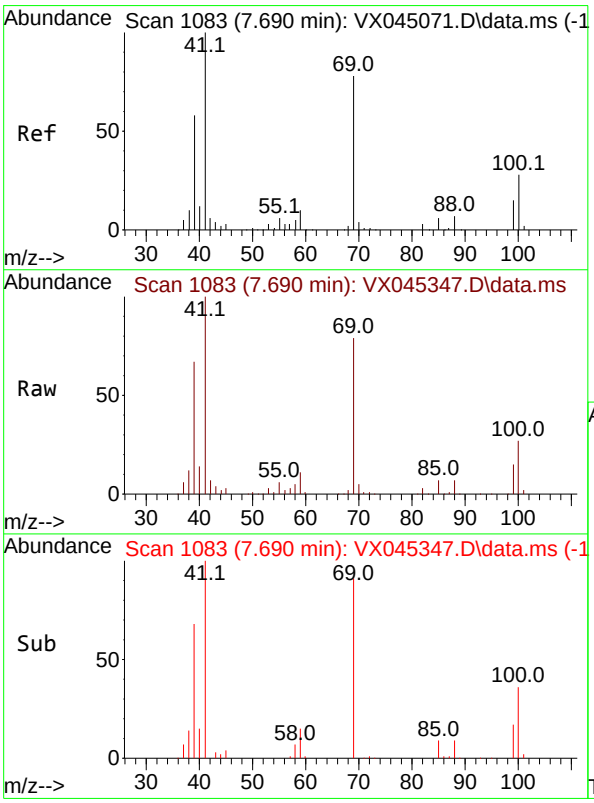
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

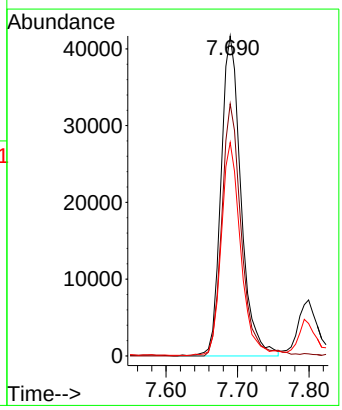
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

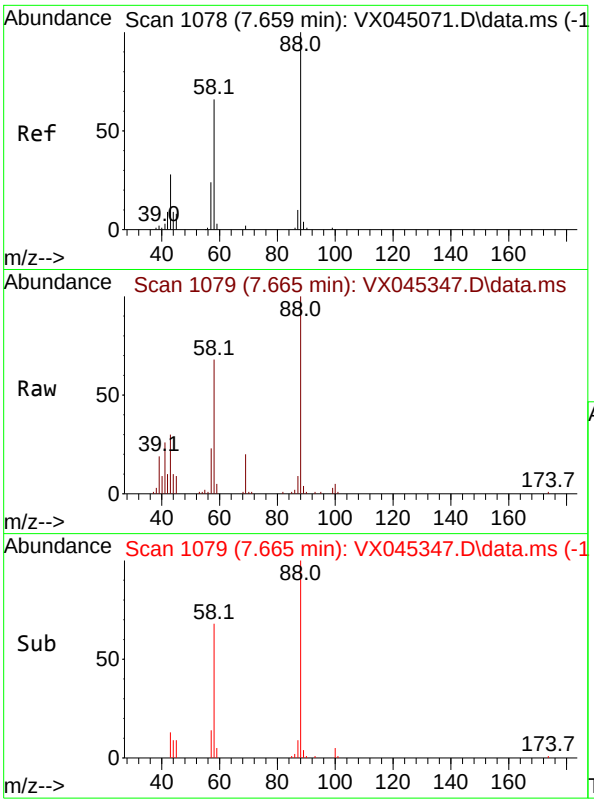


#48
Methyl methacrylate
Concen: 57.285 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 80819

Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.0	94.6
39	65.2	47.5	71.3





#49
1,4-Dioxane
Concen: 987.206 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

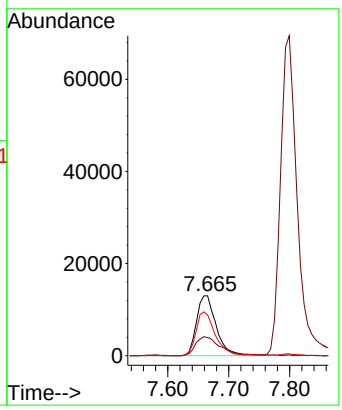
Tgt Ion: 88 Resp: 2937

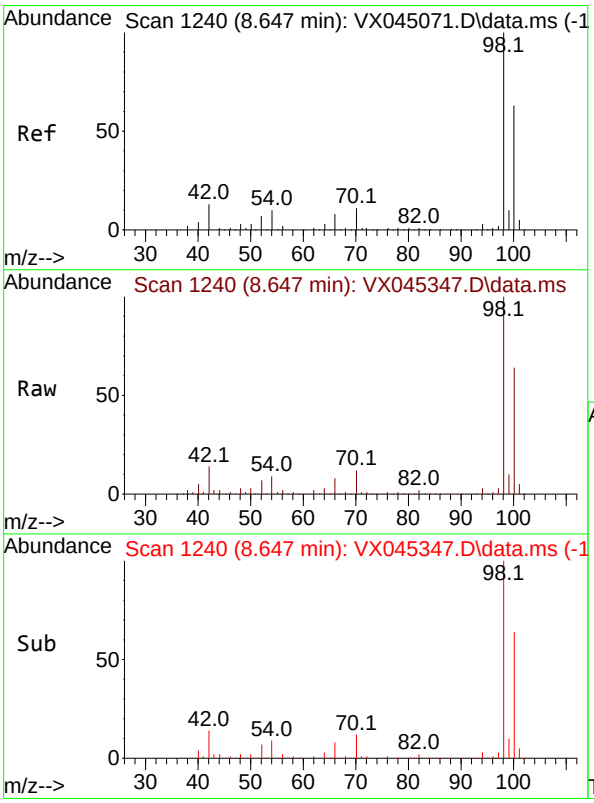
Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	72.0	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

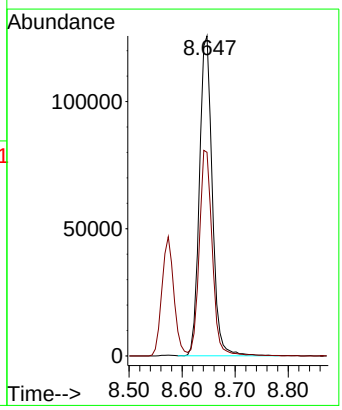


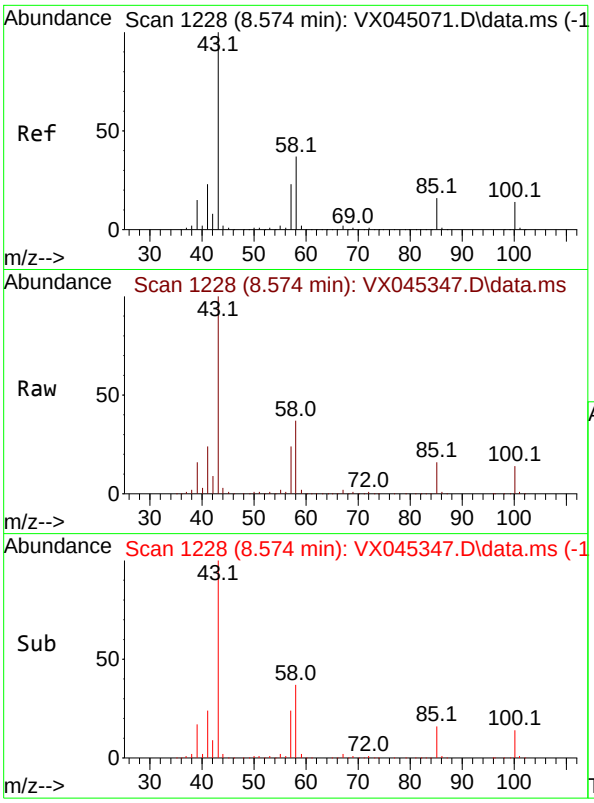


#50
Toluene-d8
Concen: 54.211 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 98 Resp: 211503

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

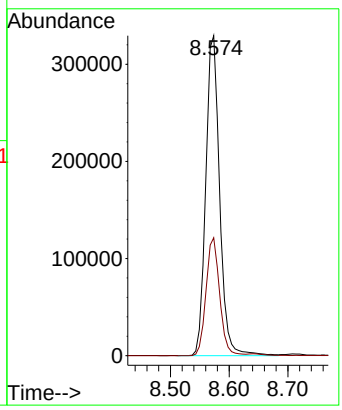




#51
4-Methyl-2-Pentanone
Concen: 286.370 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 54072

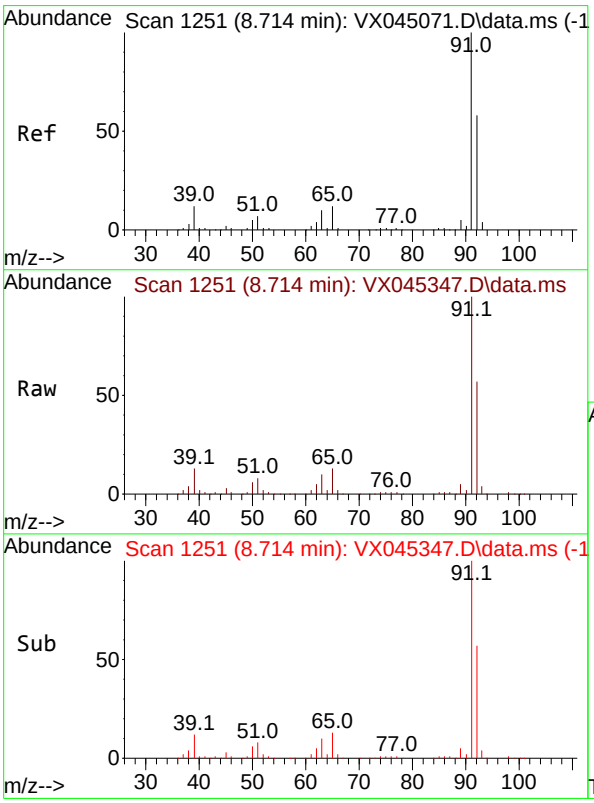
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

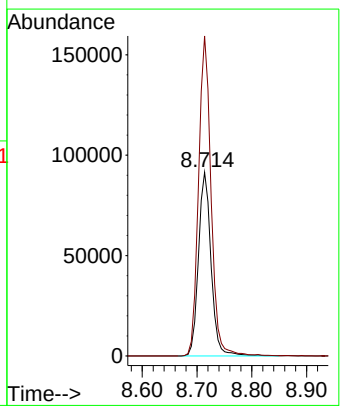
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

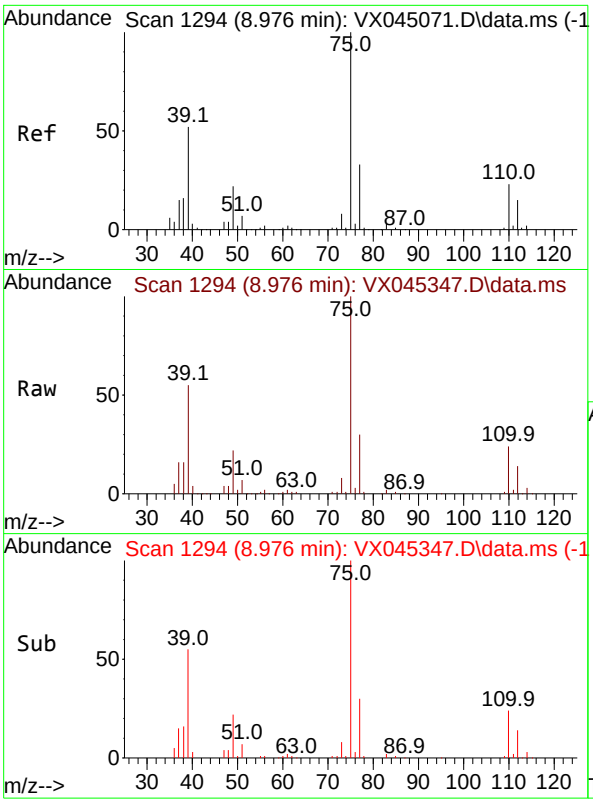


#52
Toluene
Concen: 53.547 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 92 Resp: 146417

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.9	208.3

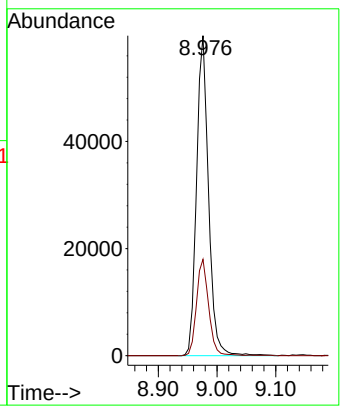




#53
t-1,3-Dichloropropene
Concen: 61.040 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 8477

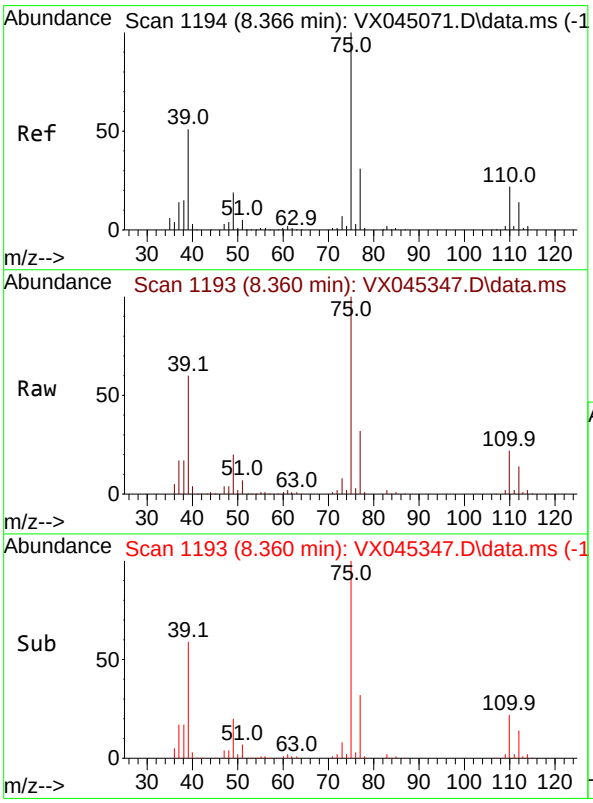
Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

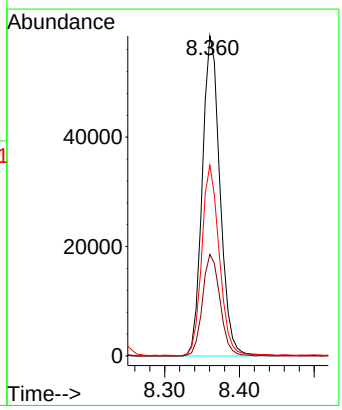
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

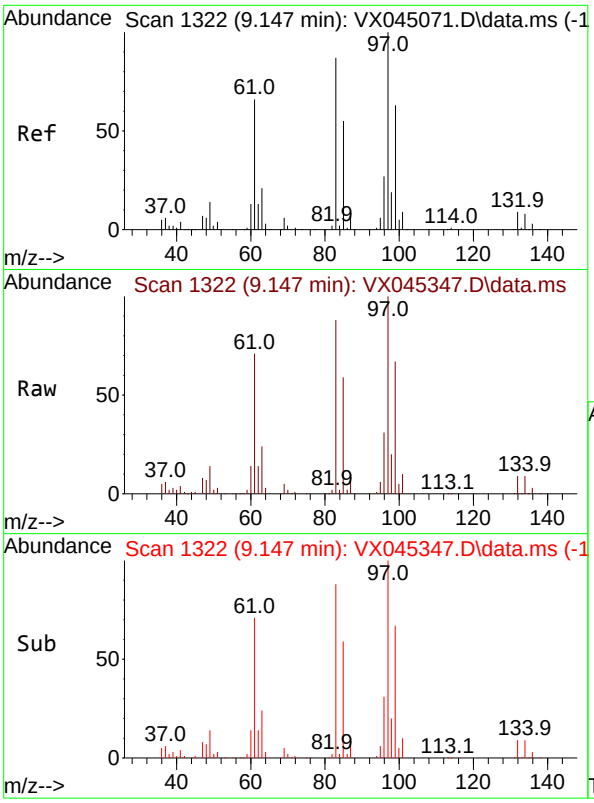


#54
cis-1,3-Dichloropropene
Concen: 59.407 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 96208

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	59.5	40.7	61.1

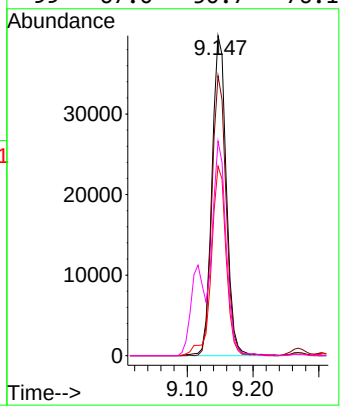




#55
1,1,2-Trichloroethane
Concen: 53.712 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 97 Resp: 6046

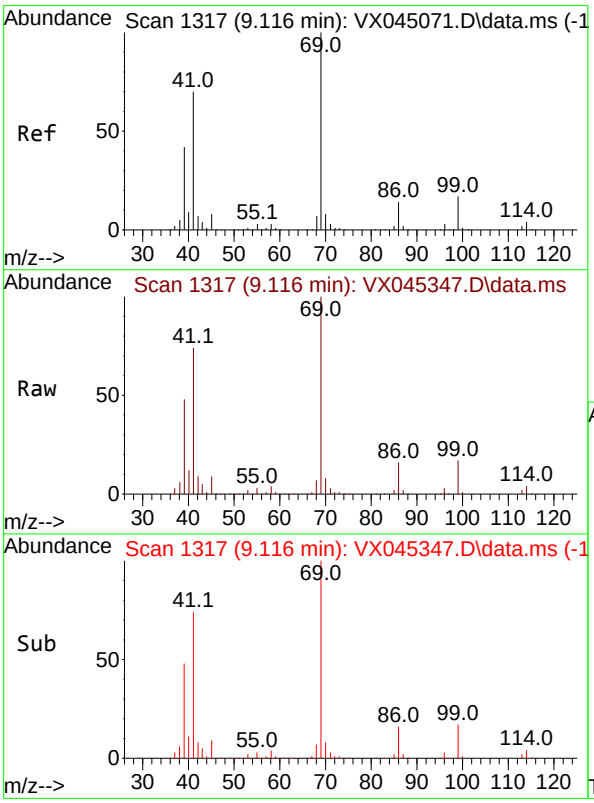
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	59.2	44.1	66.1
99	67.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

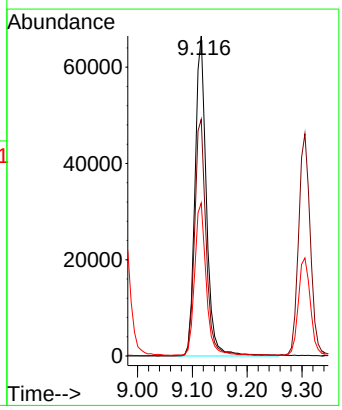
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

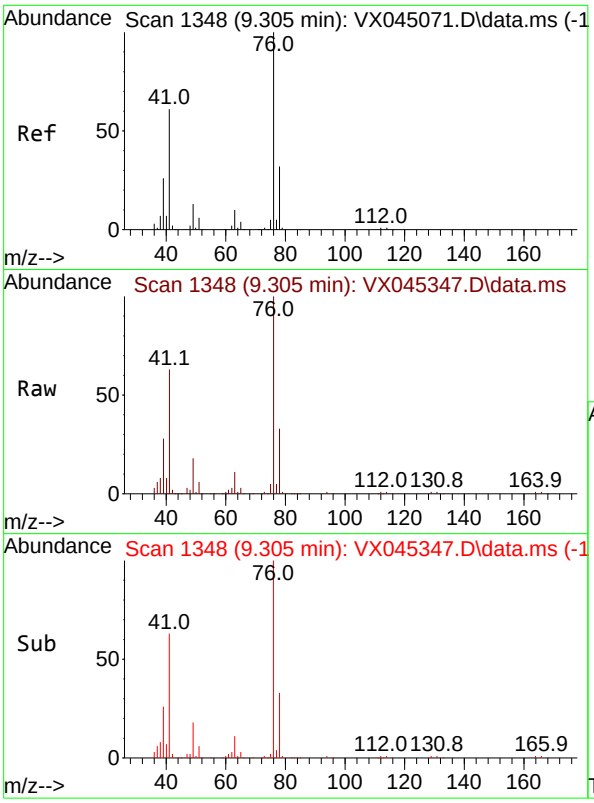


#56
Ethyl methacrylate
Concen: 56.313 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 69 Resp: 96357

Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.0	85.4
39	48.2	34.2	51.4





#57
1,3-Dichloropropane
Concen: 54.489 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

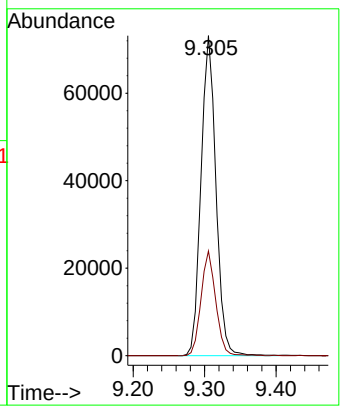
Tgt Ion: 76 Resp: 10614

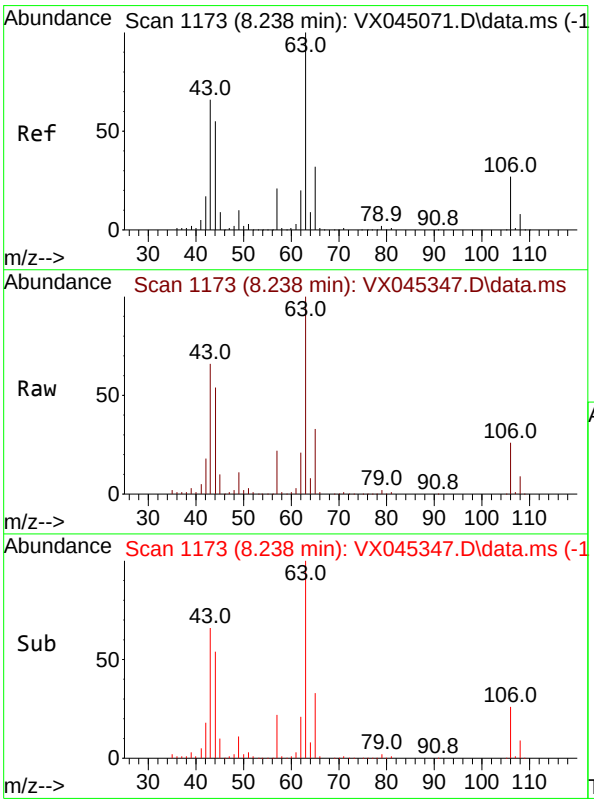
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

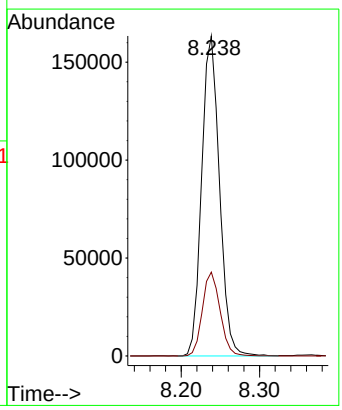


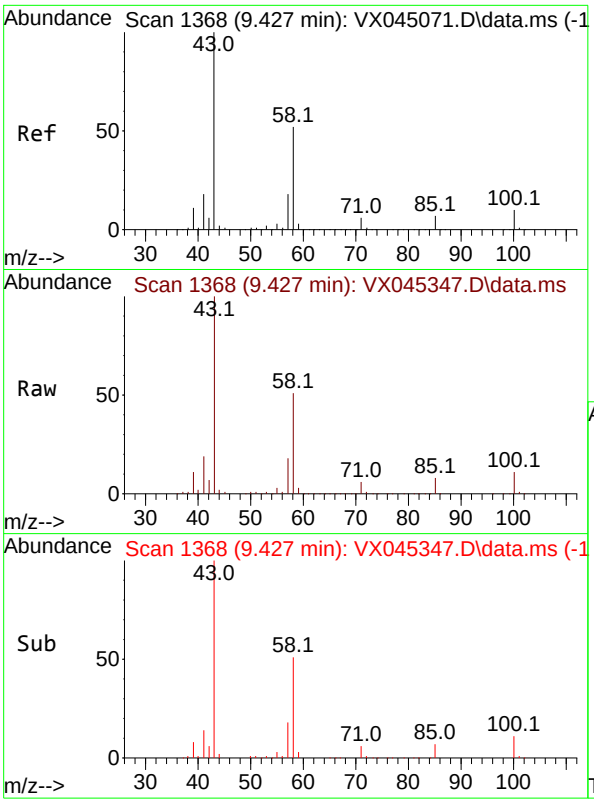


#58
2-Chloroethyl Vinyl ether
Concen: 309.131 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 258027

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3

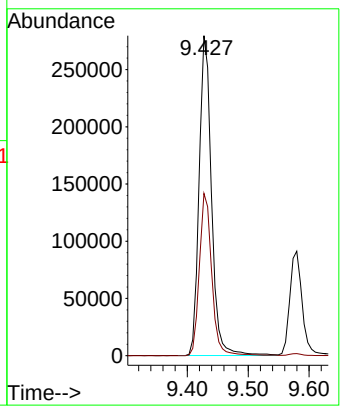




#59
2-Hexanone
Concen: 288.965 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 39532

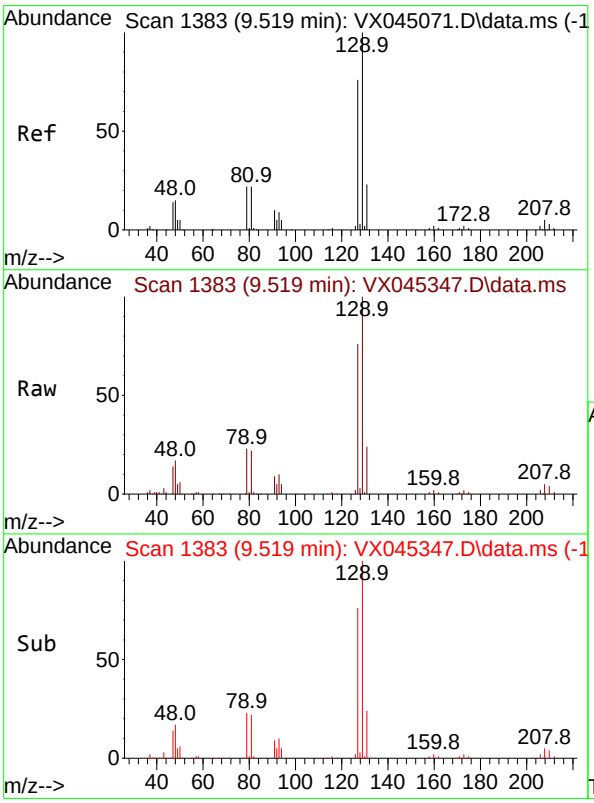
Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

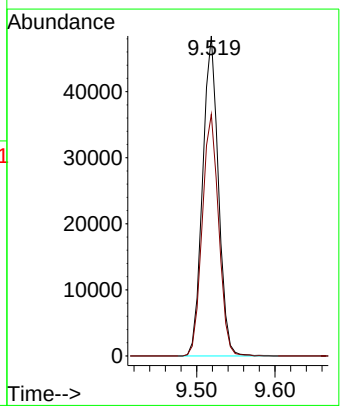
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

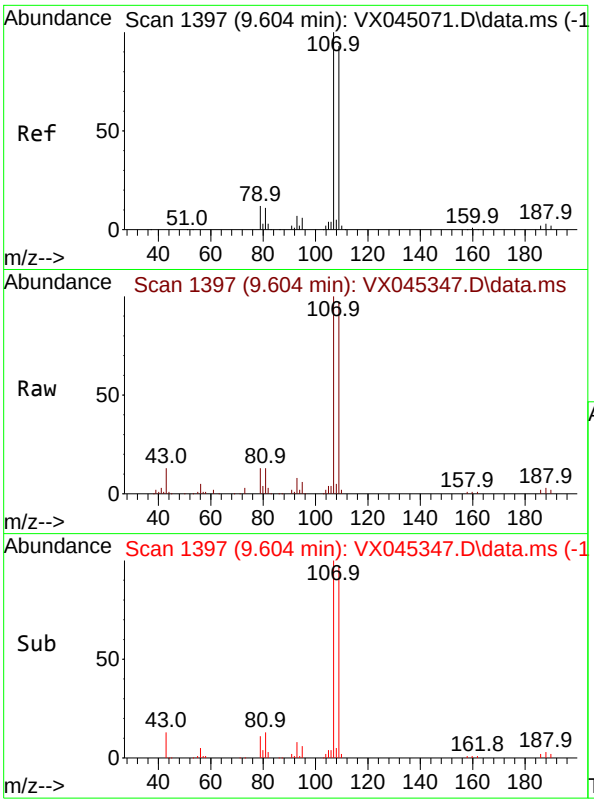


#60
Dibromochloromethane
Concen: 57.543 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:129 Resp: 67728

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5

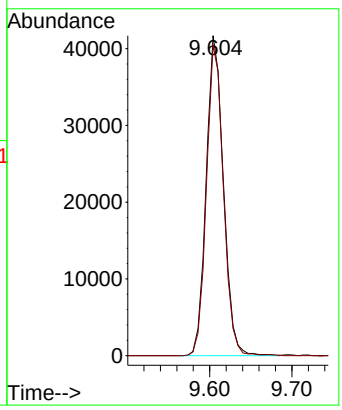




#61
1,2-Dibromoethane
Concen: 54.017 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:107 Resp: 6070

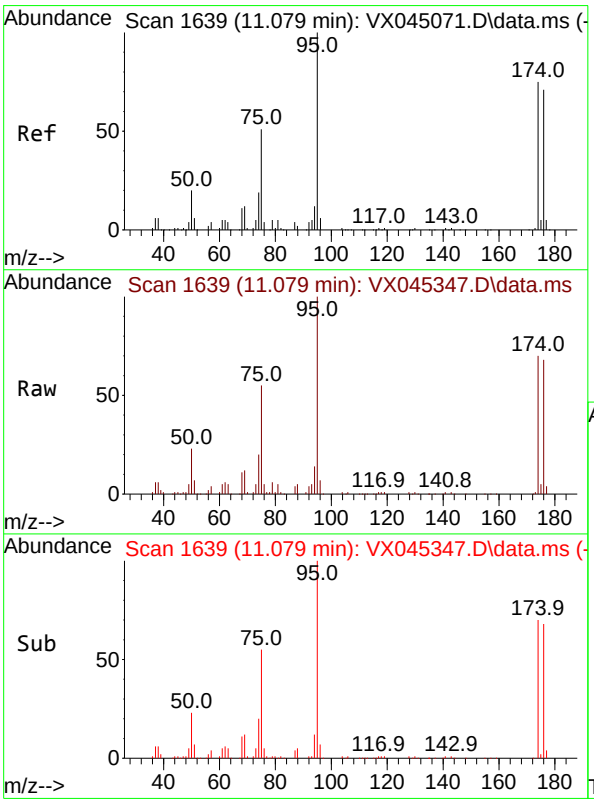
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

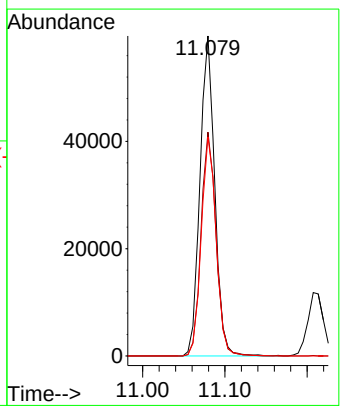
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

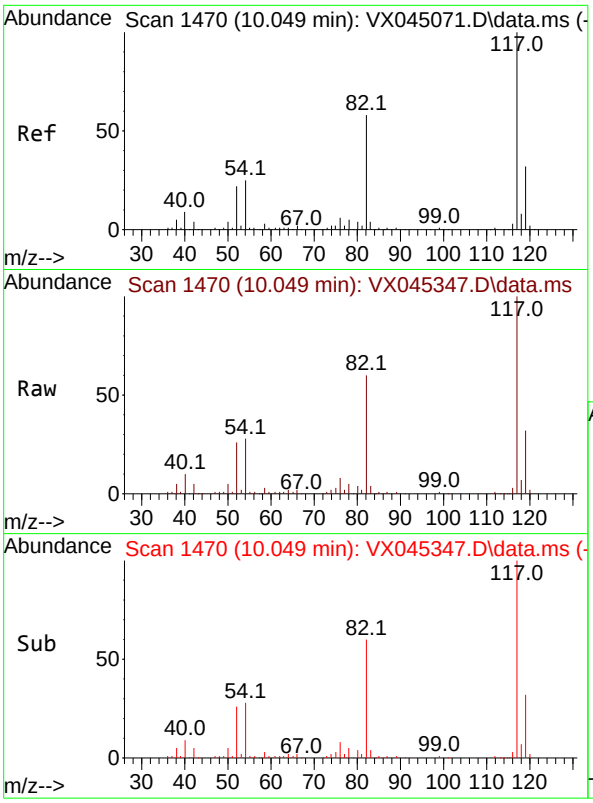


#62
4-Bromofluorobenzene
Concen: 57.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 95 Resp: 74611

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	69.0	0.0	141.4

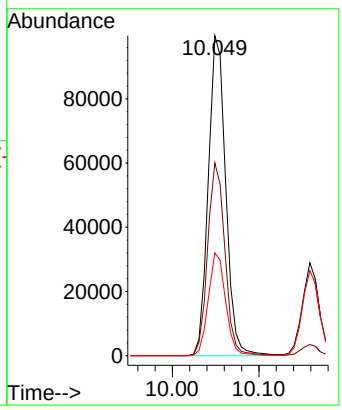




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 13944

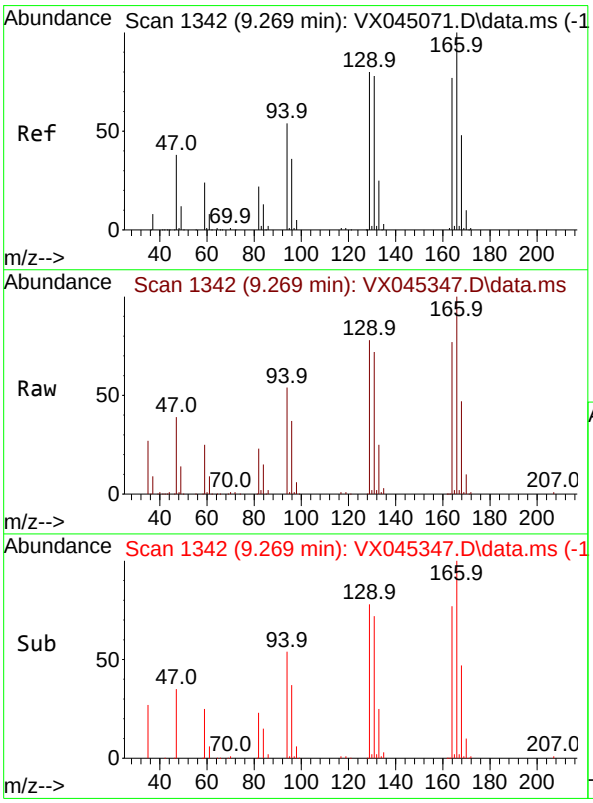
Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

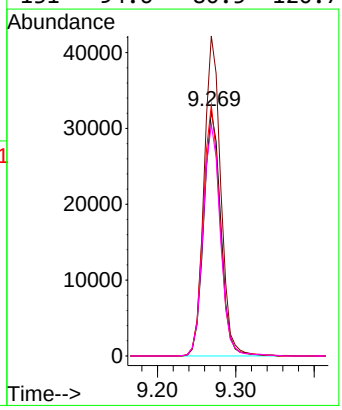
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

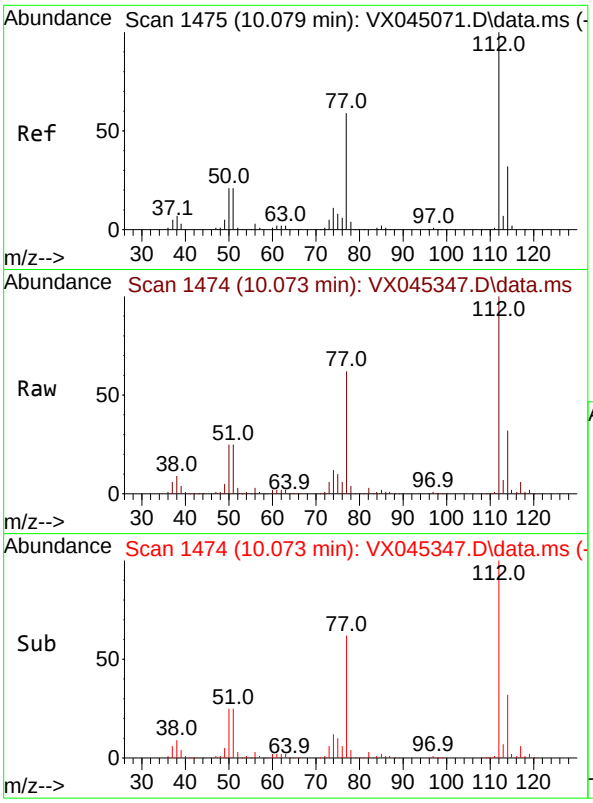


#64
Tetrachloroethene
Concen: 54.416 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:164 Resp: 48599

Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.6	155.4
129	102.5	82.7	124.1
131	94.6	80.5	120.7

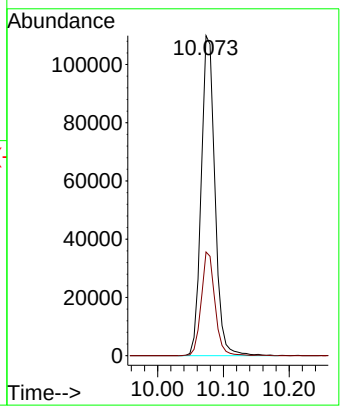




#65
Chlorobenzene
Concen: 54.144 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:112 Resp: 15975

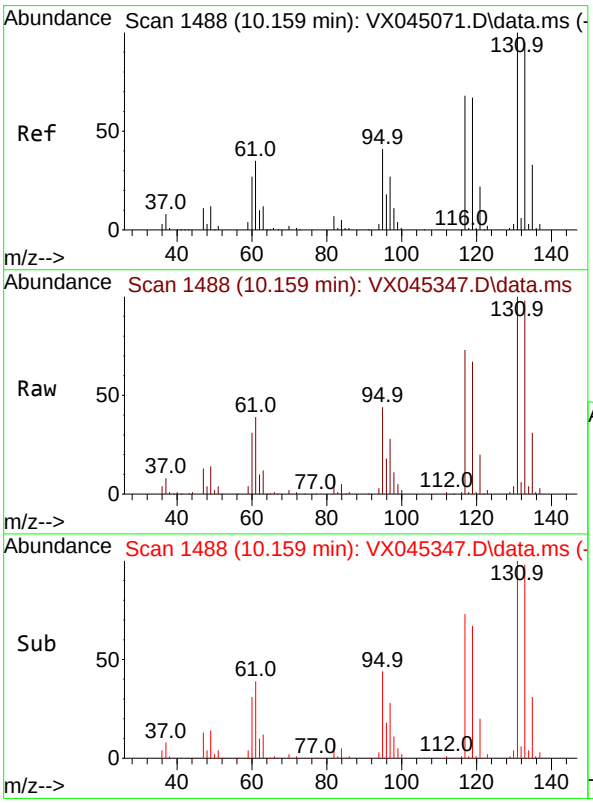
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

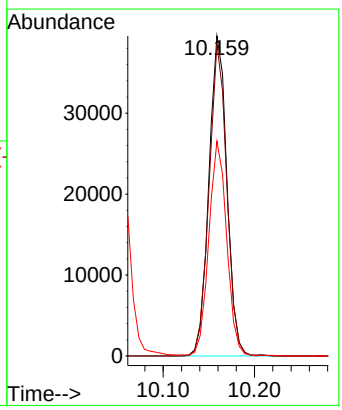
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

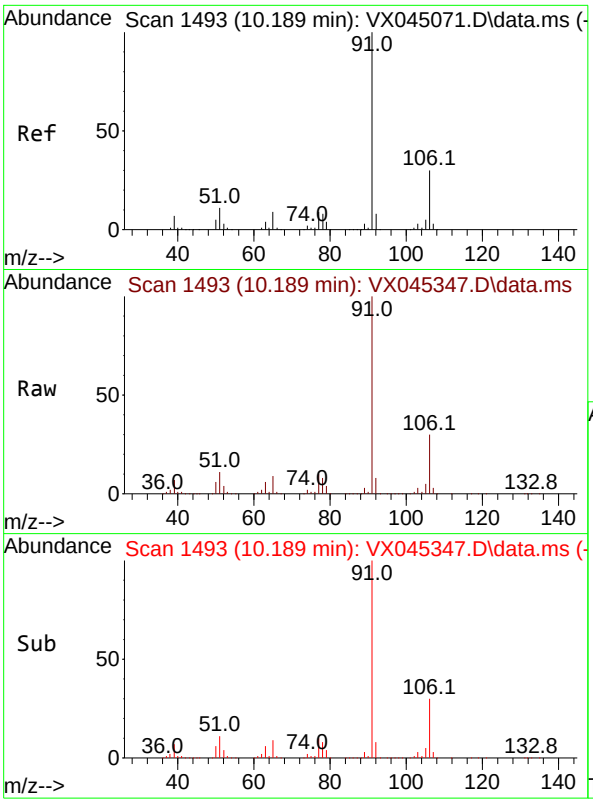


#66
1,1,1,2-Tetrachloroethane
Concen: 54.992 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:131 Resp: 54037

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	66.6	33.9	101.7

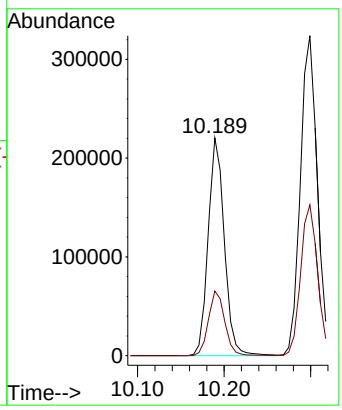




#67
Ethyl Benzene
Concen: 55.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 28636

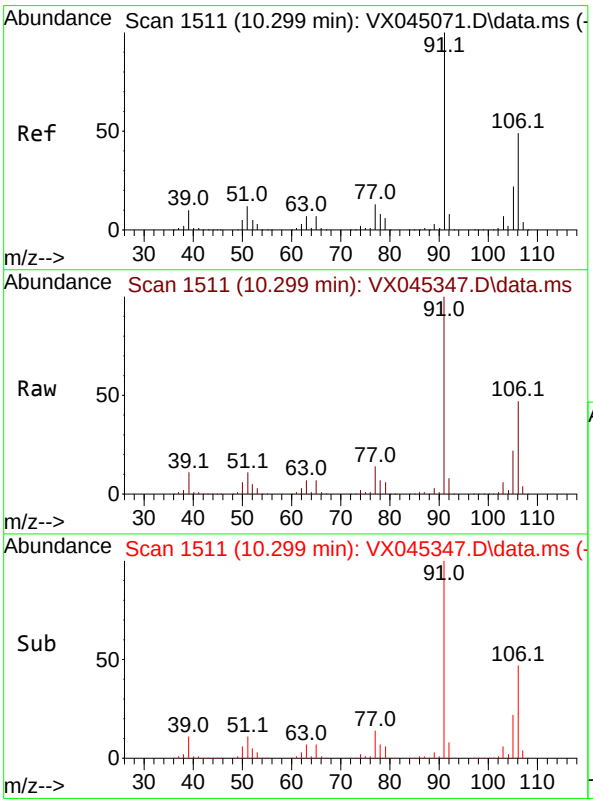
Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

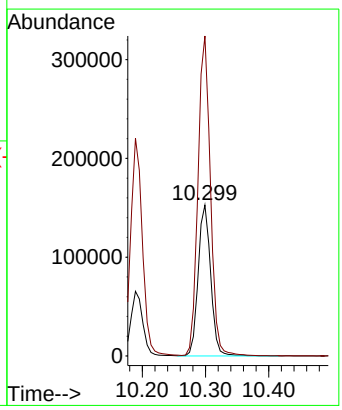
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

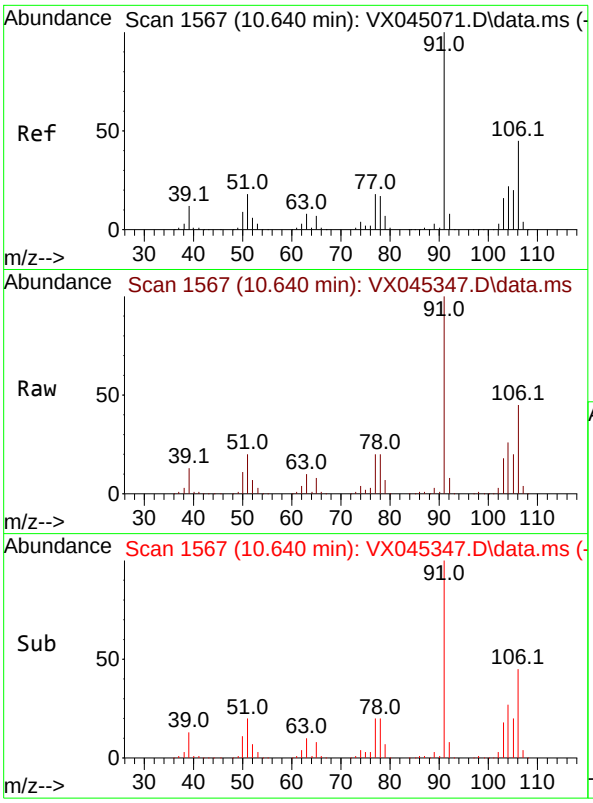


#68
m/p-Xylenes
Concen: 112.126 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:106 Resp: 211033

Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.4	248.0





#69
o-Xylene
Concen: 54.073 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

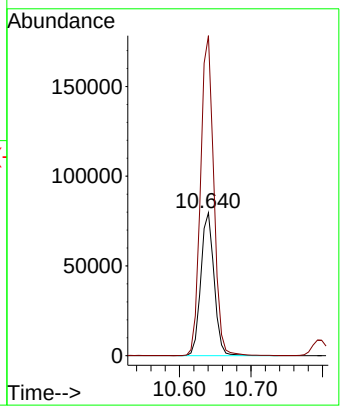
Tgt Ion:106 Resp: 10264

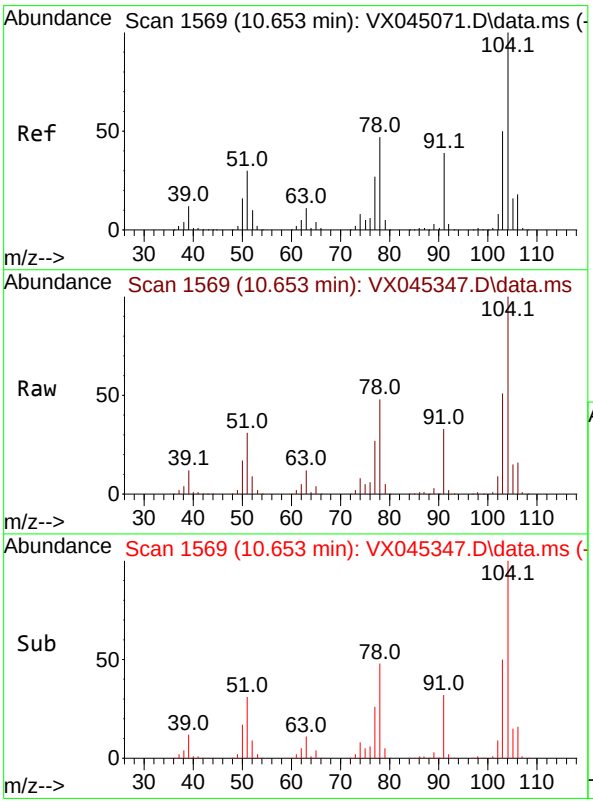
Ion	Ratio	Lower	Upper
106	100		
91	224.0	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

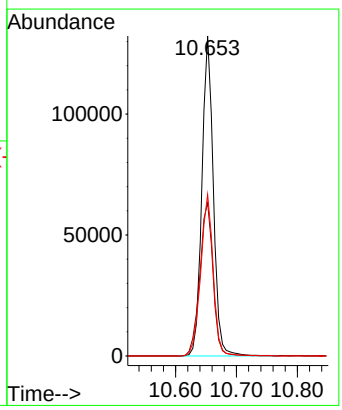


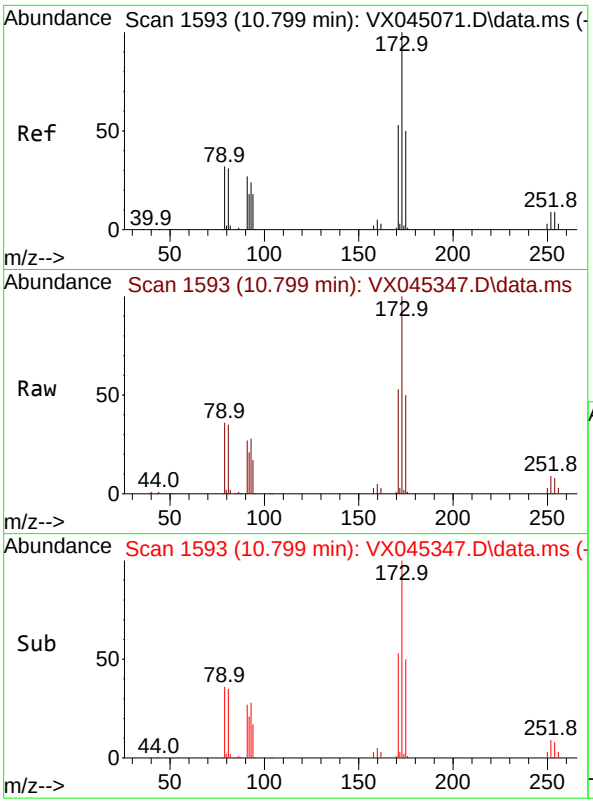


#70
Styrene
Concen: 56.462 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:104 Resp: 173421

Ion	Ratio	Lower	Upper
104	100		
78	55.3	42.2	63.4
103	55.3	43.8	65.8

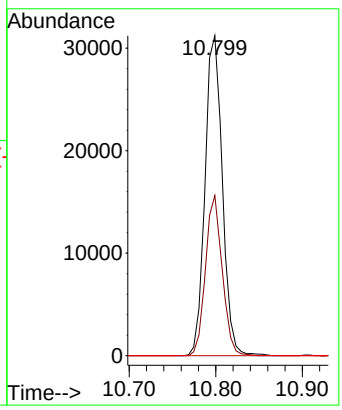




#71
Bromoform
Concen: 58.610 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:173 Resp: 4342

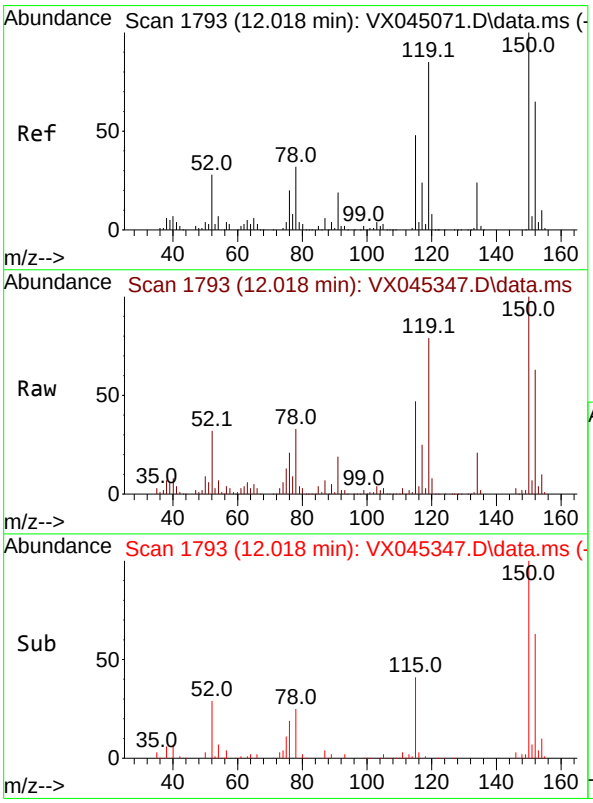
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

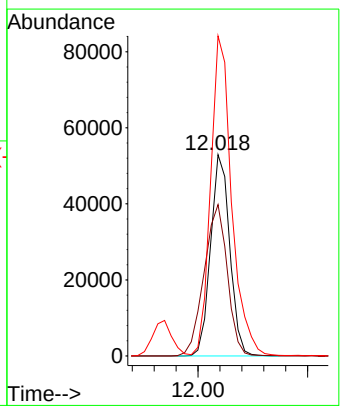
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

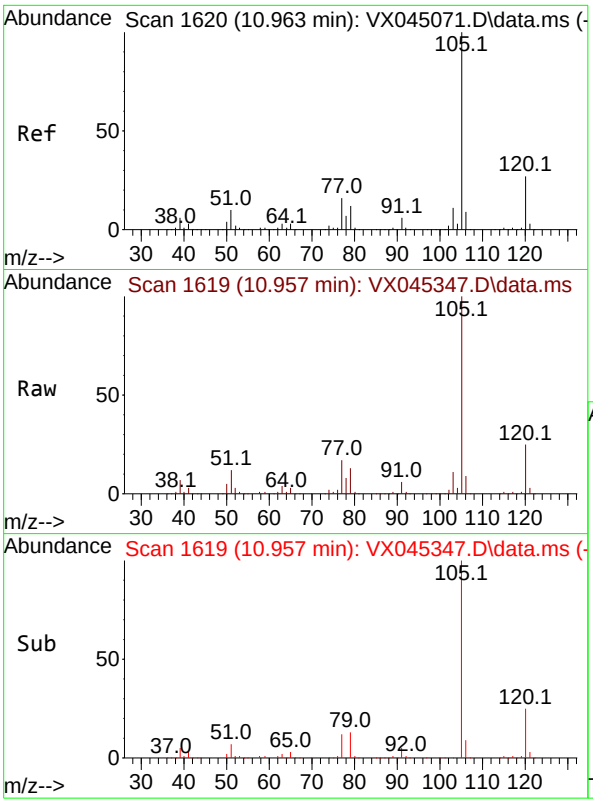


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:152 Resp: 64140

Ion	Ratio	Lower	Upper
152	100		
115	91.4	44.2	132.6
150	174.8	0.0	349.0

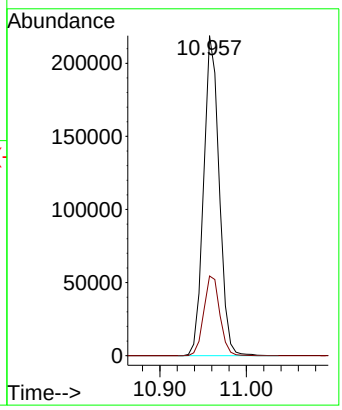




#73
Isopropylbenzene
Concen: 54.526 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 27297

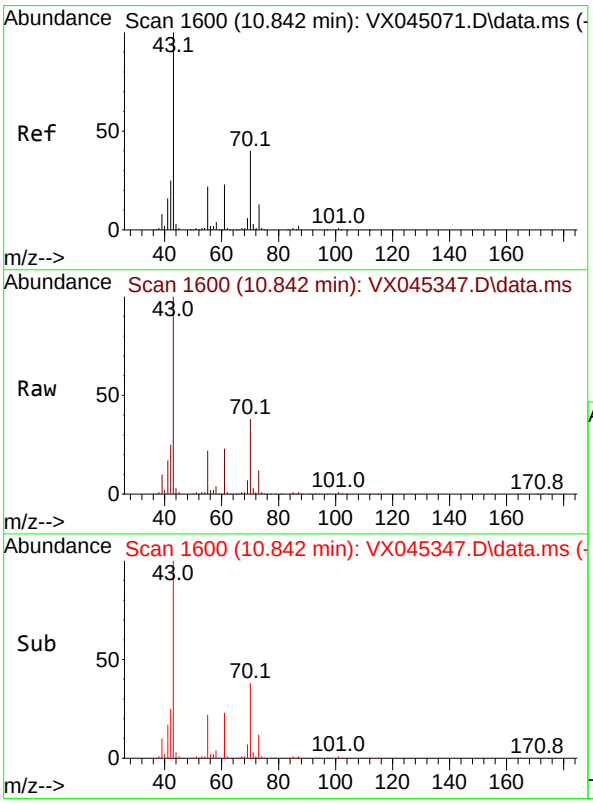
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

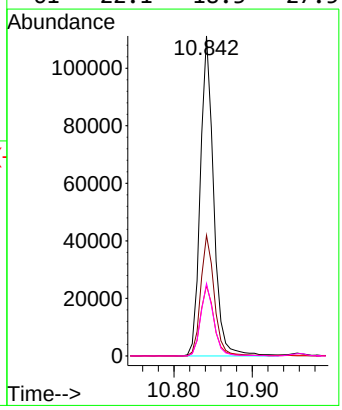
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

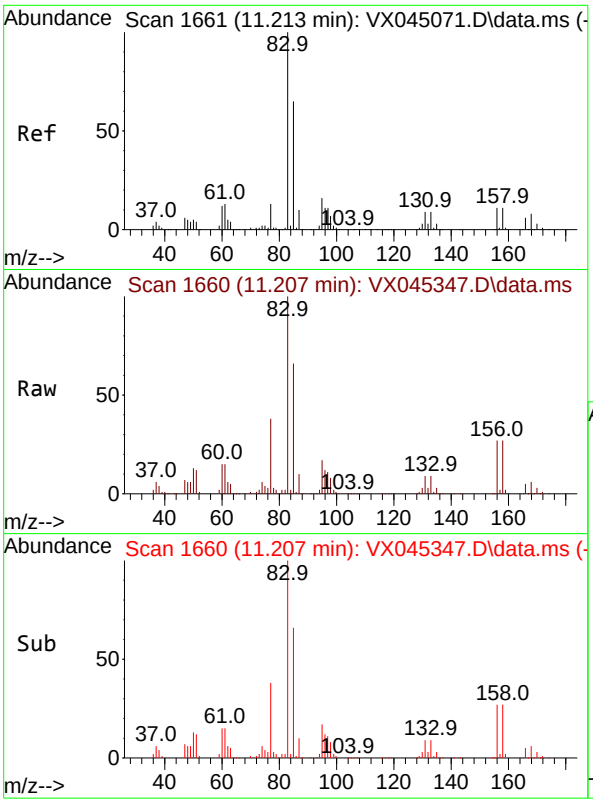


#74
N-amyl acetate
Concen: 55.907 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 131333

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	22.7	18.3	27.5
61	22.1	18.3	27.5

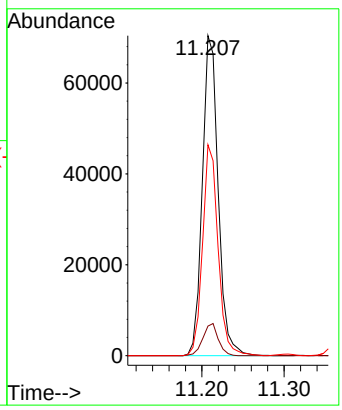




#75
1,1,2,2-Tetrachloroethane
Concen: 51.164 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 9399

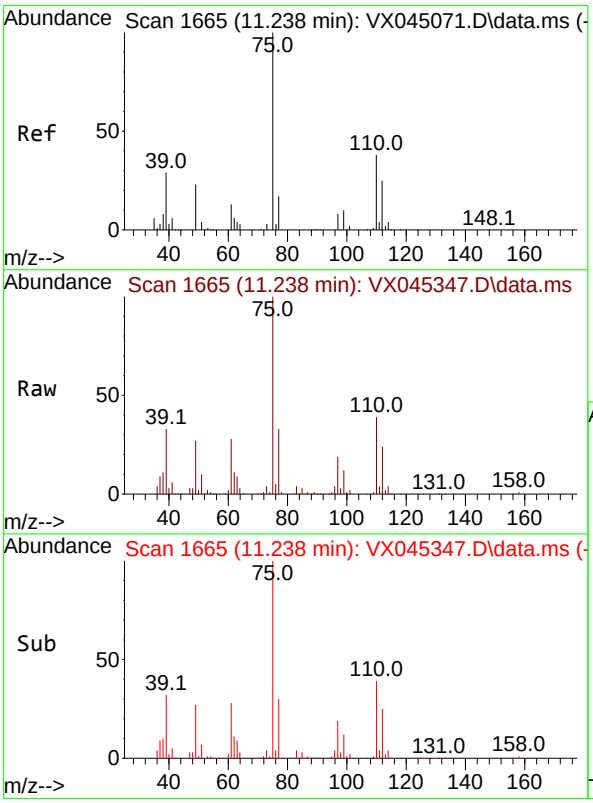
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	64.6	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

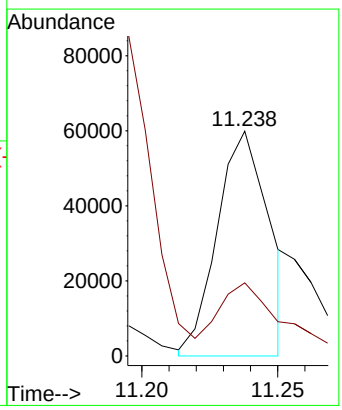
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

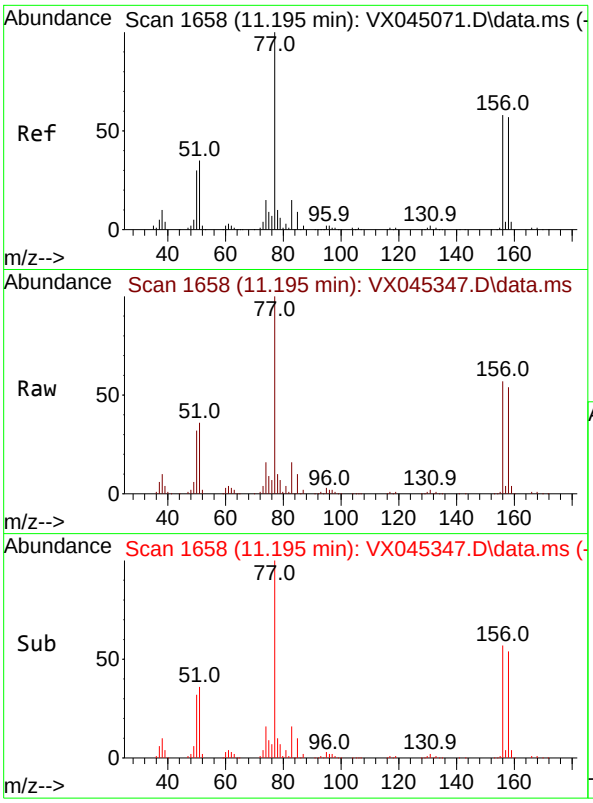


#76
1,2,3-Trichloropropane
Concen: 52.802 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 78826

Ion	Ratio	Lower	Upper
75	100		
77	40.9	20.7	62.1

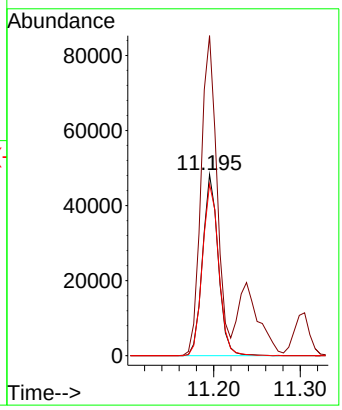




#77
Bromobenzene
Concen: 51.283 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:156 Resp: 6057

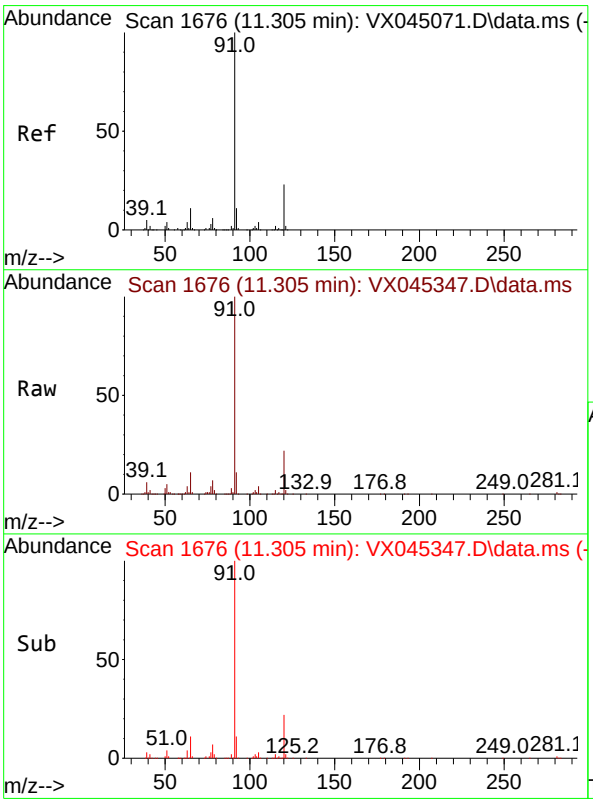
Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	98.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

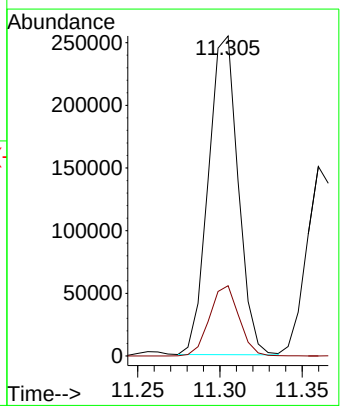
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

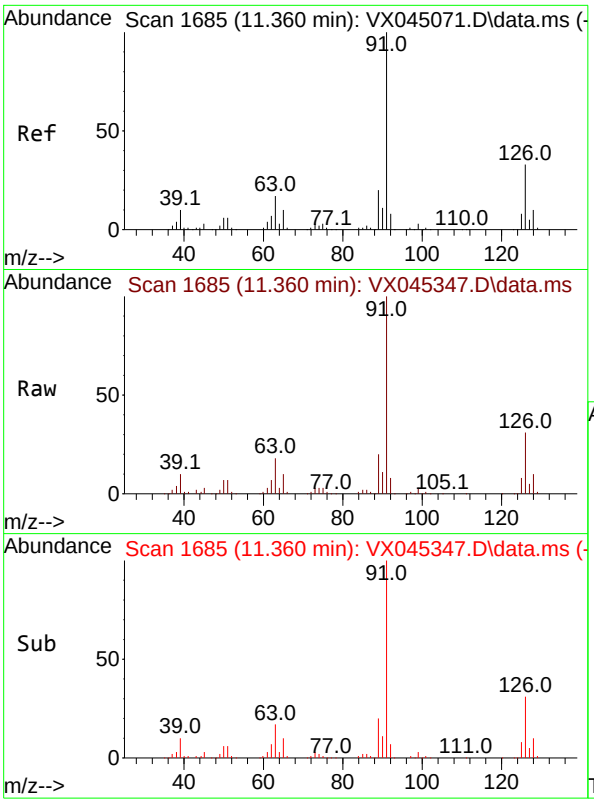


#78
n-propylbenzene
Concen: 56.710 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 320714

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

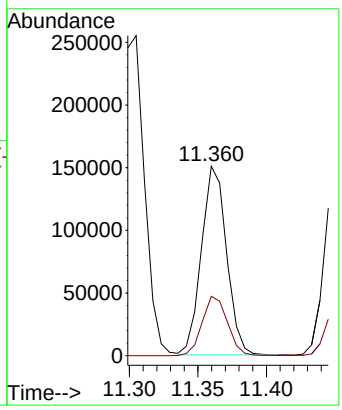




#79
2-Chlorotoluene
Concen: 53.424 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 19241

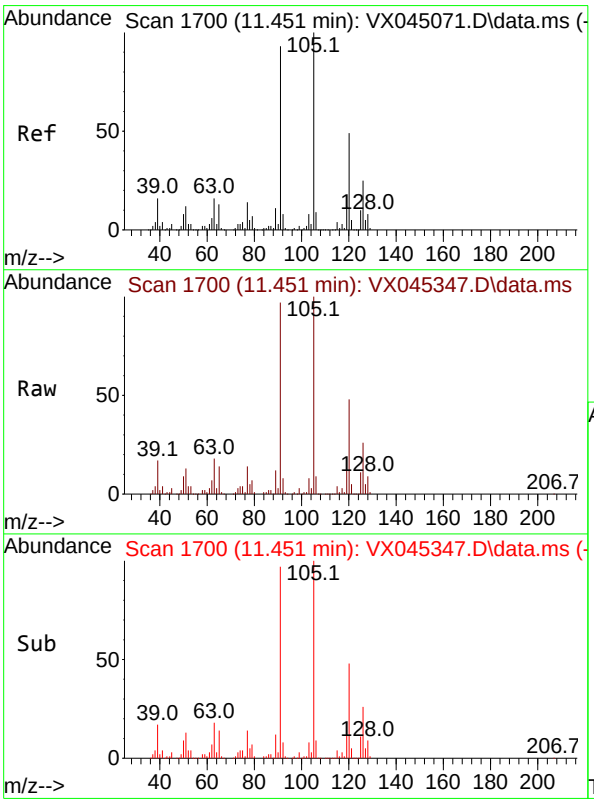
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

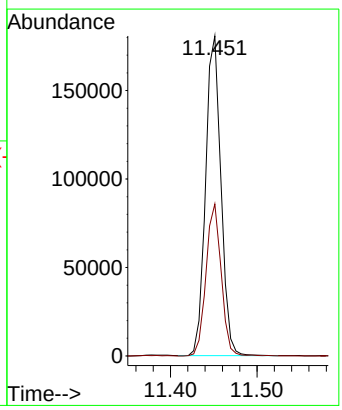
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

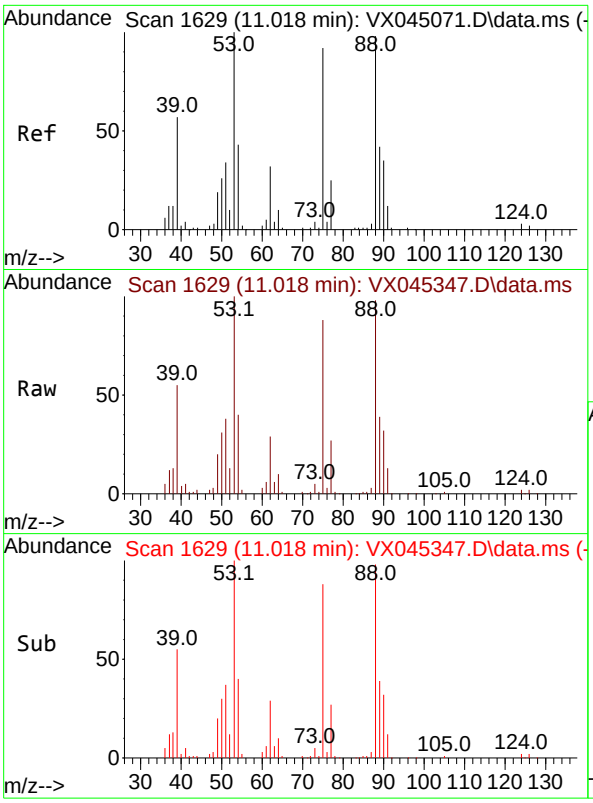


#80
1,3,5-Trimethylbenzene
Concen: 55.029 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 222755

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

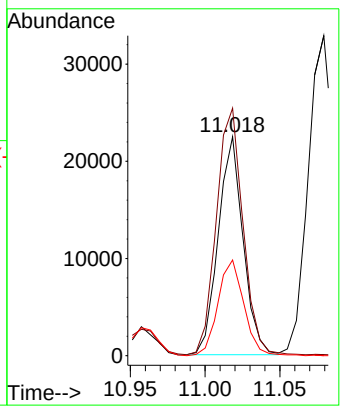




#81
trans-1,4-Dichloro-2-butene
Concen: 59.413 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 2591

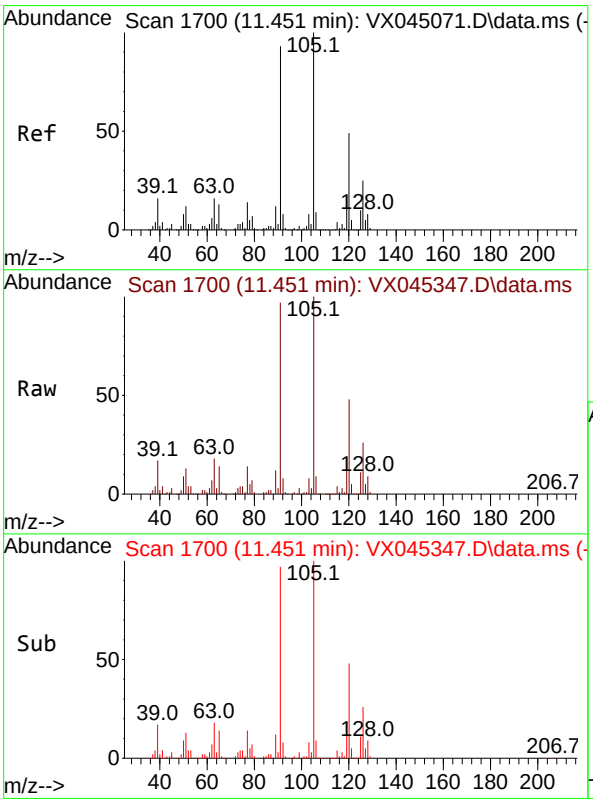
Ion	Ratio	Lower	Upper
75	100		
53	122.1	88.5	132.7
89	45.9	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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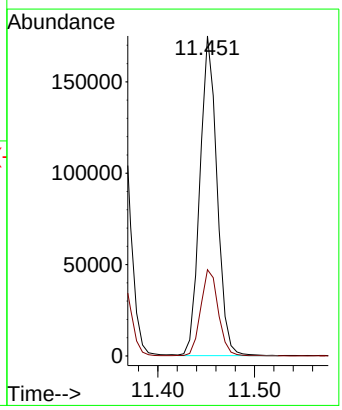
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

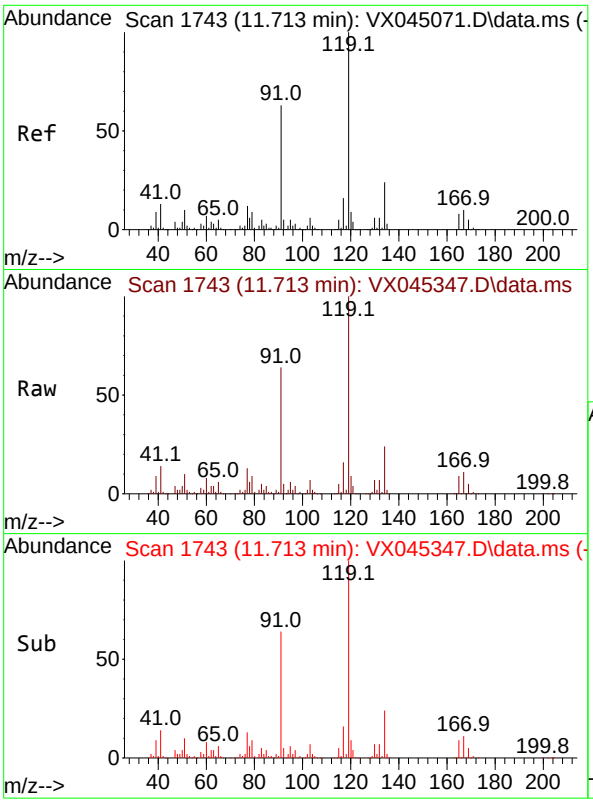


#82
4-Chlorotoluene
Concen: 54.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 215413

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

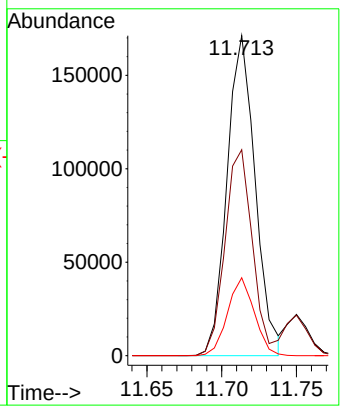




#83
tert-Butylbenzene
Concen: 53.959 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:119 Resp: 22442

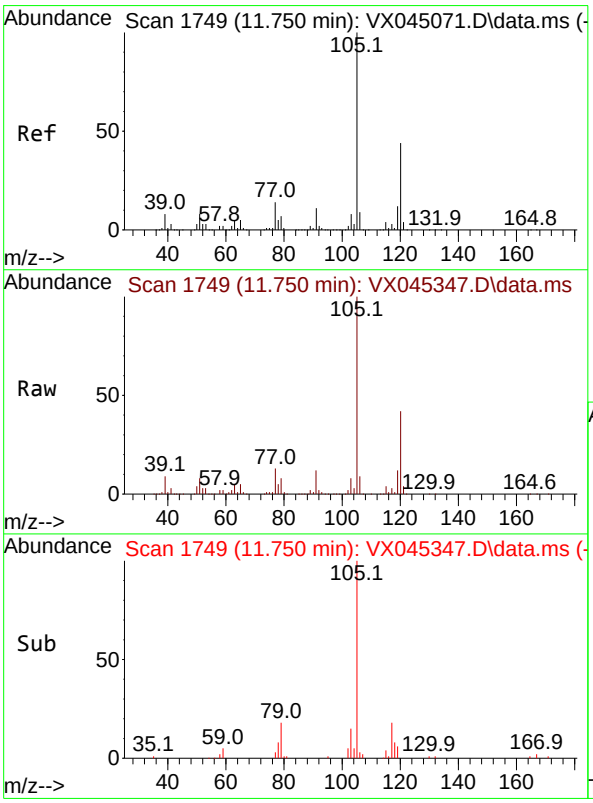
Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	23.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

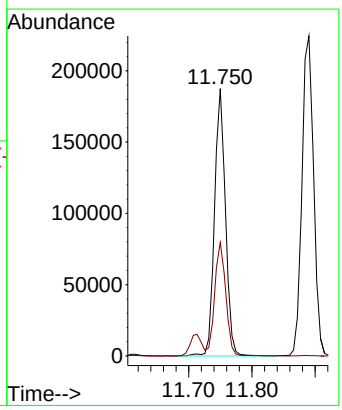
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

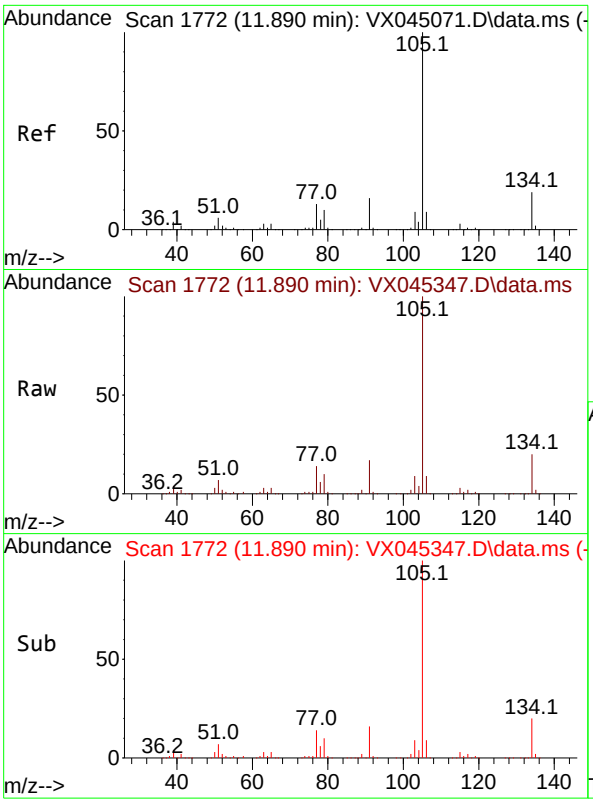


#84
1,2,4-Trimethylbenzene
Concen: 55.202 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 224842

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1

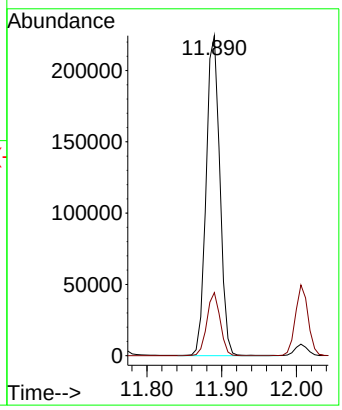




#85
sec-Butylbenzene
Concen: 57.320 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 28557

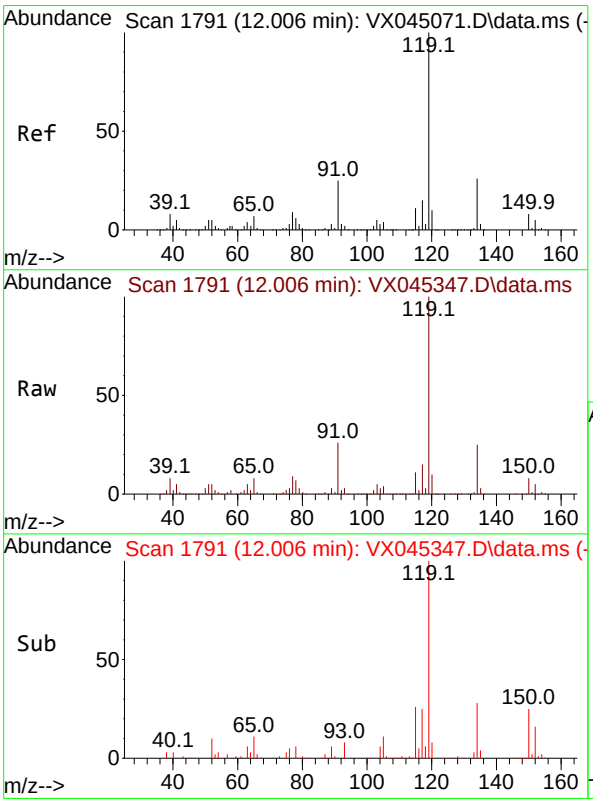
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

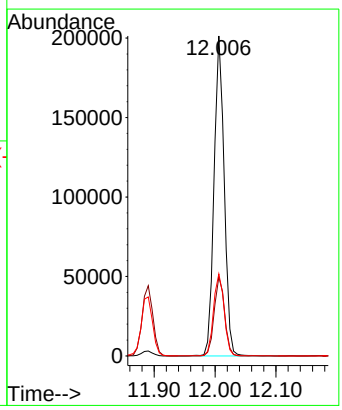
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

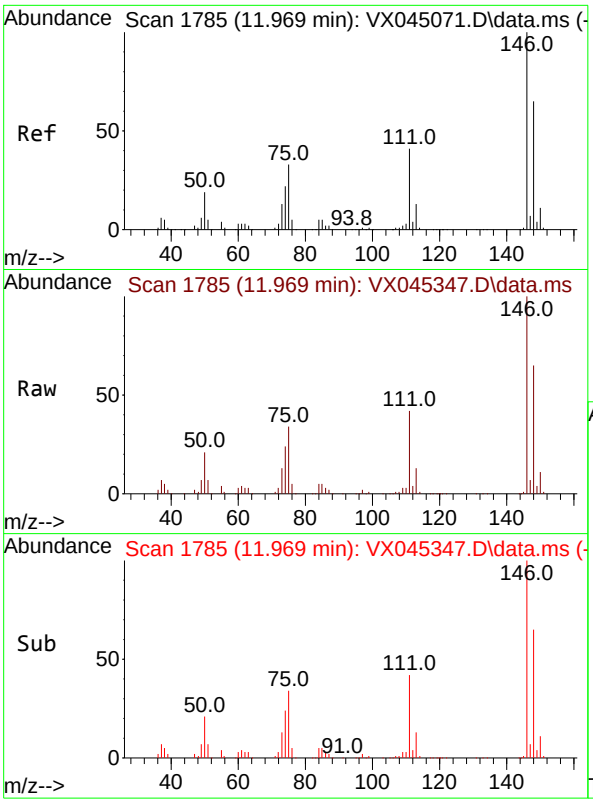


#86
p-Isopropyltoluene
Concen: 57.707 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:119 Resp: 232345

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.7	12.7	38.0

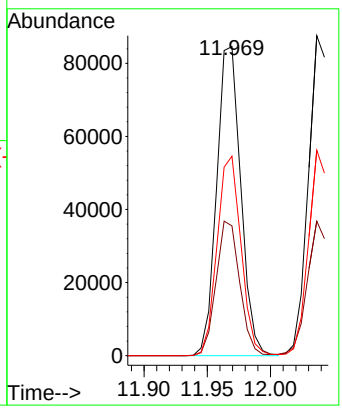




#87
1,3-Dichlorobenzene
Concen: 53.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 11204

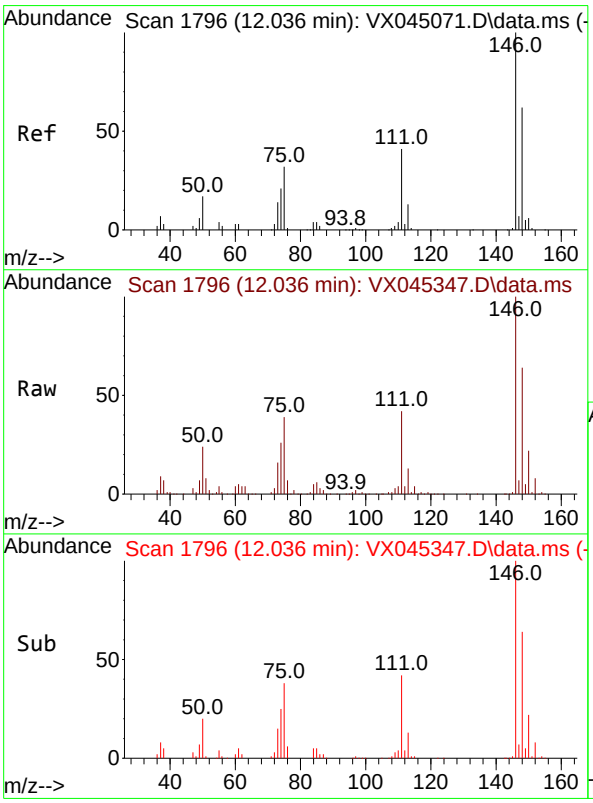
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

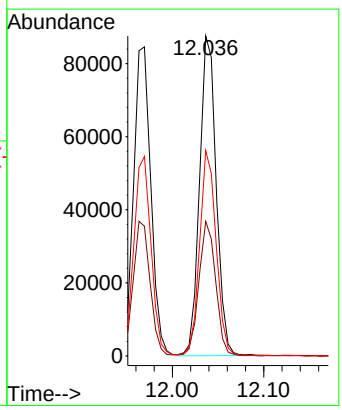
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

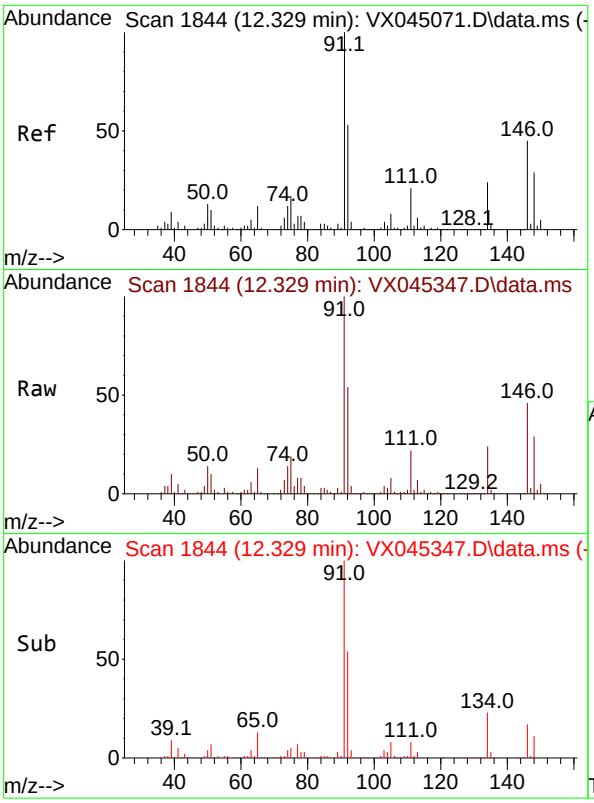


#88
1,4-Dichlorobenzene
Concen: 51.865 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 110569

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.2	60.5
148	63.6	31.9	95.9

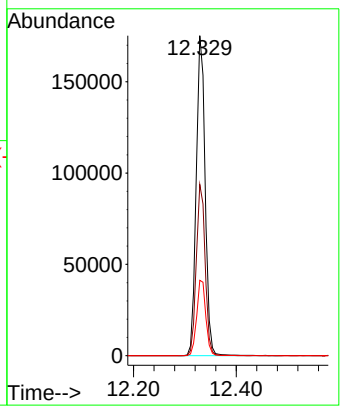




#89
n-Butylbenzene
Concen: 61.041 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 21167

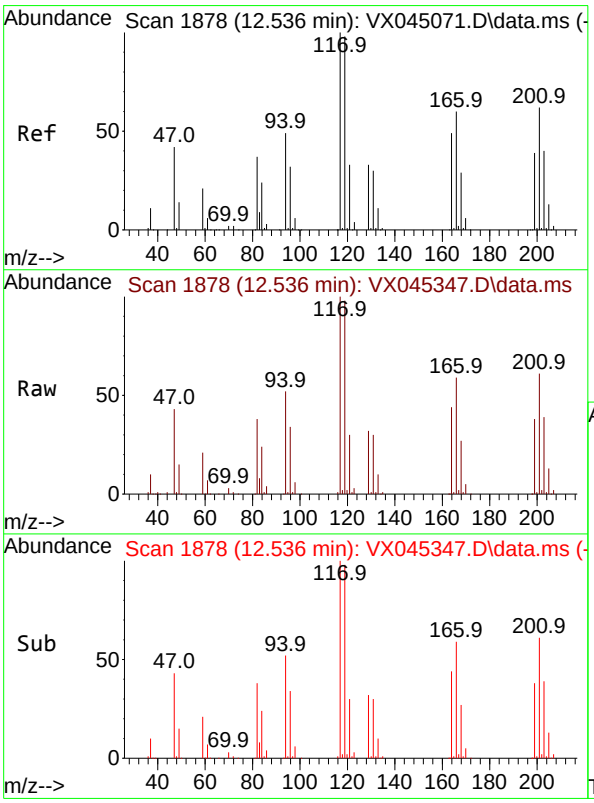
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.1	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

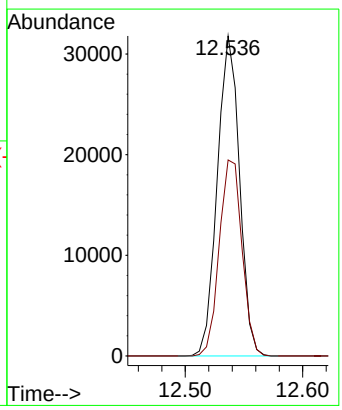
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

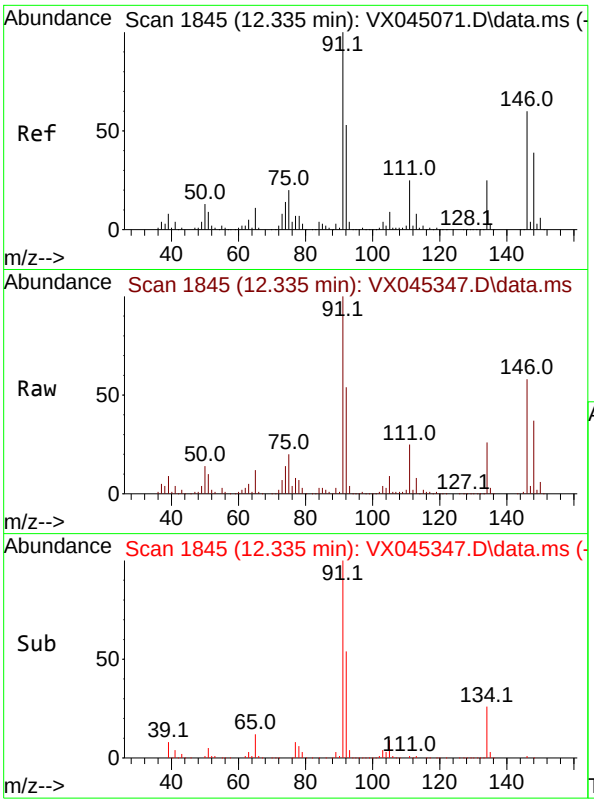


#90
Hexachloroethane
Concen: 57.380 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 41788

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9

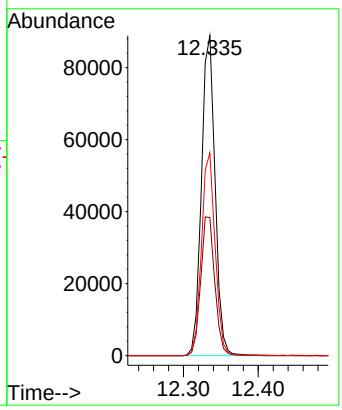




#91
1,2-Dichlorobenzene
Concen: 53.282 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 11262

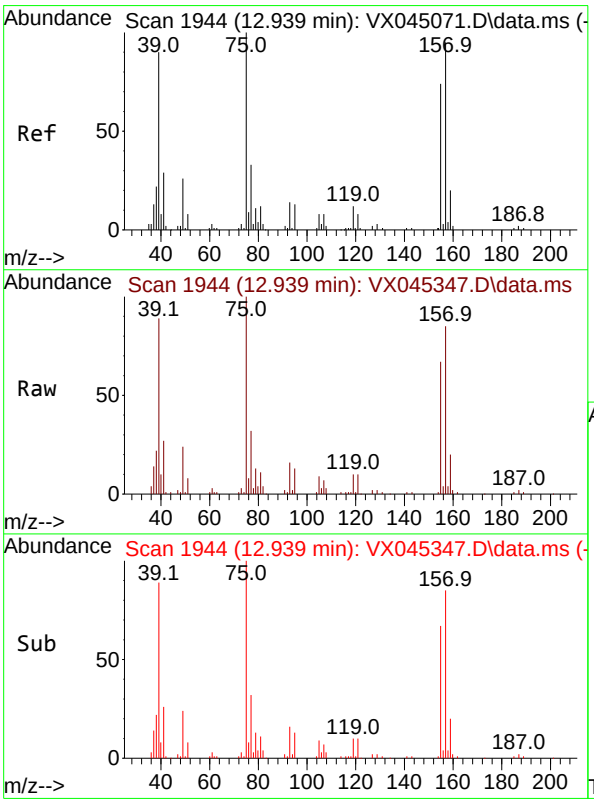
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

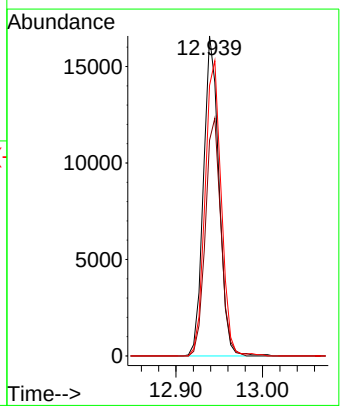
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

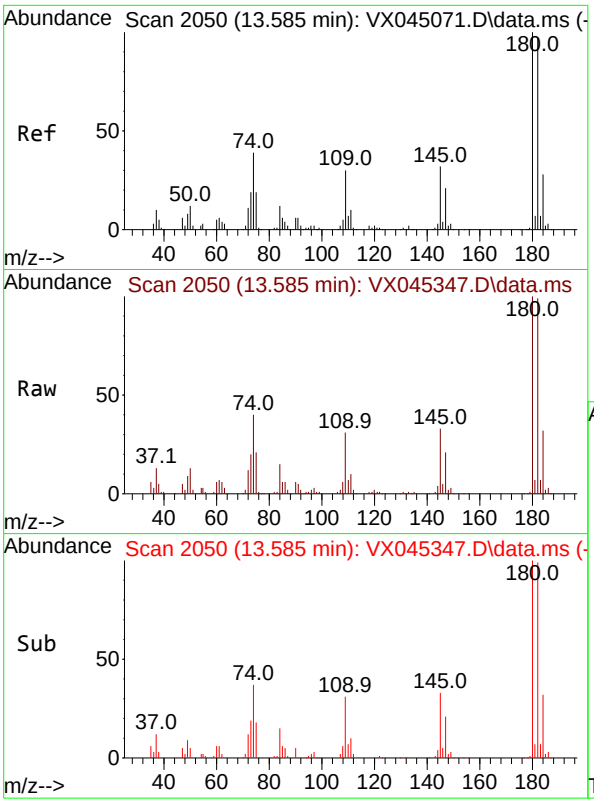


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.585 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	74.5	39.6	118.7
157	96.4	51.1	153.4

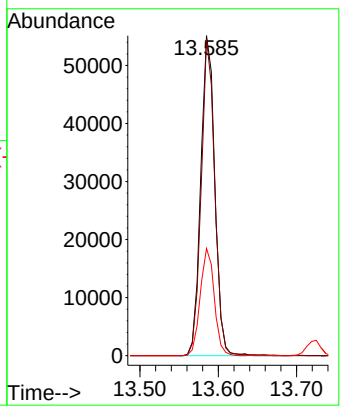




#93
1,2,4-Trichlorobenzene
Concen: 57.116 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:180 Resp: 6874

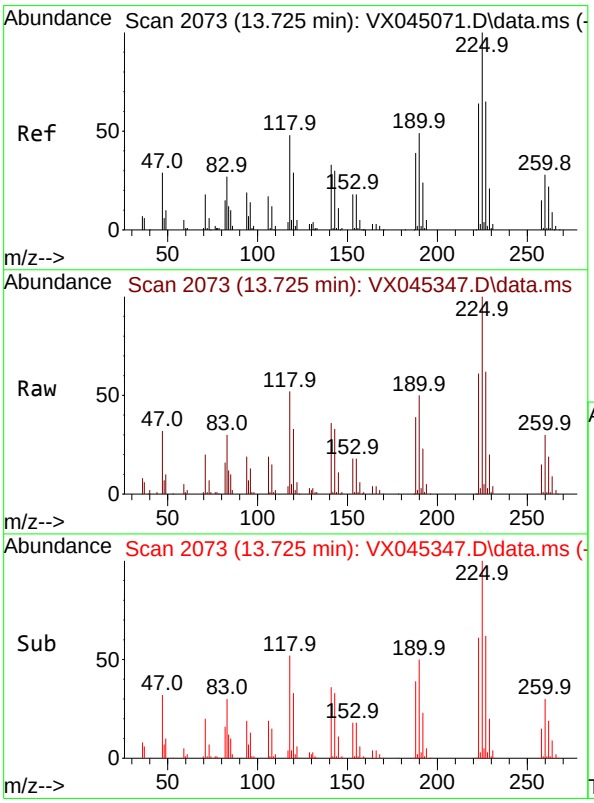
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.4	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

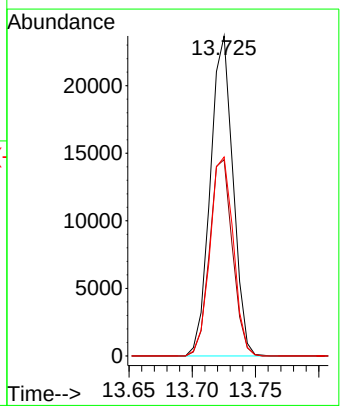
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

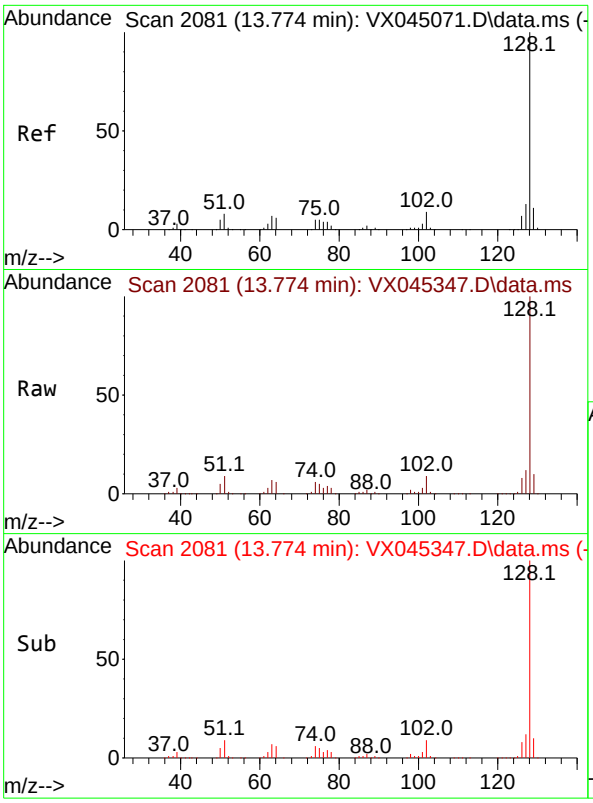


#94
Hexachlorobutadiene
Concen: 59.832 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:225 Resp: 29525

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	63.8	31.4	94.0

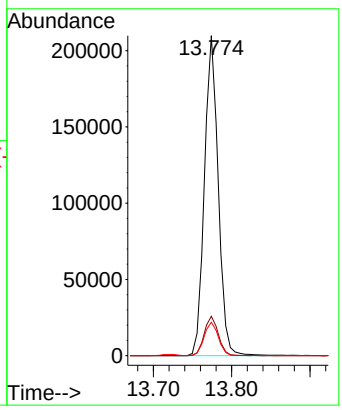




#95
Naphthalene
Concen: 55.368 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:128 Resp: 25604

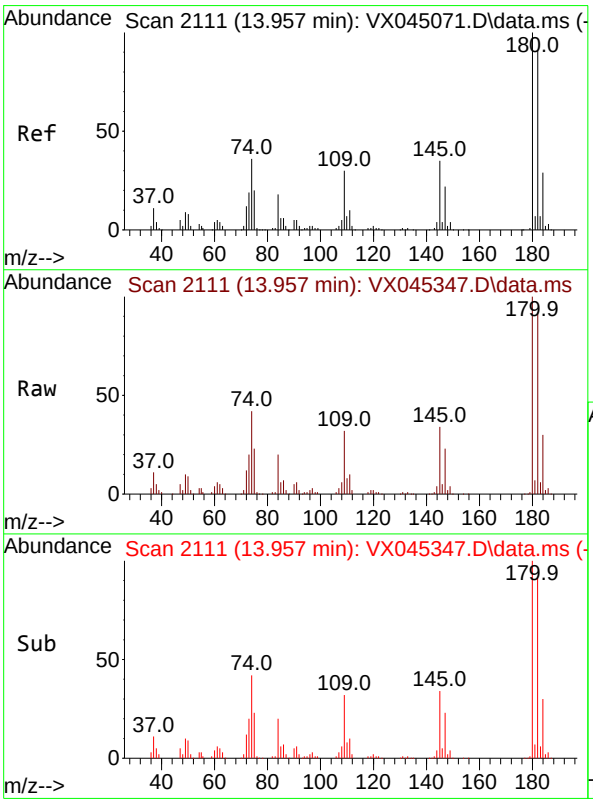
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

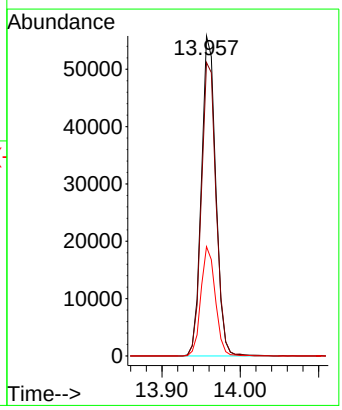
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.945 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:180 Resp: 71037

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	34.1	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	0.629	0.635	-1.0	92	0.00
3	P	Chloromethane	0.770	0.683	11.3	83	0.00
4	C	Vinyl Chloride	0.764	0.657	14.0#	79	0.00
5	T	Bromomethane	0.300	0.275	8.3	86	0.00
6	T	Chloroethane	0.352	0.316	10.2	77	0.00
7	T	Trichlorofluoromethane	1.011	0.978	3.3	85	0.00
8	T	Diethyl Ether	0.396	0.347	12.4	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.655	-12.7	101	0.00
10	T	Methyl Iodide	0.726	0.760	-4.7	90	0.00
11	T	Tert butyl alcohol	0.151	0.140	7.3	95	0.00
12	CM	1,1-Dichloroethene	0.614	0.608	1.0#	89	0.00
13	T	Acrolein	0.174	0.160	8.0	84	0.00
14	T	Allyl chloride	1.094	1.172	-7.1	97	0.00
15	T	Acrylonitrile	0.404	0.426	-5.4	95	0.00
16	T	Acetone	0.369	0.417	-13.0	108	0.00
17	T	Carbon Disulfide	1.636	1.362	16.7	75	0.00
18	T	Methyl Acetate	0.888	1.180	-32.9#	124	0.00
19	T	Methyl tert-butyl Ether	2.061	2.143	-4.0	94	0.00
20	T	Methylene Chloride	0.731	0.724	1.0	94	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.602	0.8	87	0.00
22	T	Diisopropyl ether	2.224	2.321	-4.4	92	0.00
23	T	Vinyl Acetate	1.856	1.938	-4.4	89	0.00
24	P	1,1-Dichloroethane	1.247	1.270	-1.8	93	0.00
25	T	2-Butanone	0.555	0.609	-9.7	96	0.00
26	T	2,2-Dichloropropane	0.585	0.919	-57.1#	140	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.755	-0.8	90	0.00
28	T	Bromochloromethane	0.594	0.603	-1.5	91	0.00
29	T	Tetrahydrofuran	0.373	0.375	-0.5	92	0.00
30	C	Chloroform	1.239	1.284	-3.6#	94	0.00
31	T	Cyclohexane	1.082	1.055	2.5	87	-0.01
32	T	1,1,1-Trichloroethane	1.000	1.065	-6.5	95	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.877	-10.3	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.334	0.382	-14.4	100	0.00
36	T	1,1-Dichloropropene	0.459	0.480	-4.6	88	-0.01
37	T	Ethyl Acetate	0.591	0.635	-7.4	91	0.00
38	T	Carbon Tetrachloride	0.465	0.526	-13.1	97	0.00
39	T	Methylcyclohexane	0.549	0.607	-10.6	90	0.00
40	TM	Benzene	1.448	1.505	-3.9	87	0.00
41	T	Methacrylonitrile	0.319	0.371	-16.3	94	-0.01
42	TM	1,2-Dichloroethane	0.521	0.601	-15.4	98	0.00
43	T	Isopropyl Acetate	0.874	0.996	-14.0	93	0.00
44	TM	Trichloroethene	0.340	0.353	-3.8	89	0.00
45	C	1,2-Dichloropropane	0.372	0.401	-7.8#	93	0.00
46	T	Dibromomethane	0.263	0.293	-11.4	94	0.00
47	T	Bromodichloromethane	0.516	0.586	-13.6	97	0.00
48	T	Methyl methacrylate	0.438	0.502	-14.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	84	0.00
50	S	Toluene-d8	1.212	1.314	-8.4	94	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.672	-14.5	95	0.00
52	CM	Toluene	0.849	0.910	-7.2#	87	0.00
53	T	t-1,3-Dichloropropene	0.431	0.527	-22.3	97	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.598	-18.9	96	0.00
55	T	1,1,2-Trichloroethane	0.350	0.376	-7.4	91	0.00
56	T	Ethyl methacrylate	0.532	0.599	-12.6	91	0.00
57	T	1,3-Dichloropropane	0.605	0.660	-9.1	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.321	-23.9	98	0.00
59	T	2-Hexanone	0.425	0.491	-15.5	95	0.00
60	T	Dibromochloromethane	0.366	0.421	-15.0	95	0.00
61	T	1,2-Dibromoethane	0.349	0.377	-8.0	92	0.00
62	S	4-Bromofluorobenzene	0.402	0.464	-15.4	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.320	0.349	-9.1	93	0.00
65	PM	Chlorobenzene	1.058	1.146	-8.3	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.388	-10.2	94	0.00
67	C	Ethyl Benzene	1.843	2.054	-11.4#	90	0.00
68	T	m/p-Xylenes	0.675	0.757	-12.1	90	0.00
69	T	o-Xylene	0.681	0.736	-8.1	90	0.00
70	T	Styrene	1.101	1.244	-13.0	91	0.00
71	P	Bromoform	0.266	0.311	-16.9	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.903	4.256	-9.0	93	0.00
74	T	N-amyl acetate	1.831	2.048	-11.9	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.465	-2.3	93	0.00
76	T	1,2,3-Trichloropropane	1.164	1.229	-5.6	96	0.00
77	T	Bromobenzene	0.921	0.944	-2.5	91	0.00
78	T	n-propylbenzene	4.409	5.000	-13.4	94	0.00
79	T	2-Chlorotoluene	2.808	3.000	-6.8	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.473	-10.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.404	-18.8	107	0.00
82	T	4-Chlorotoluene	3.060	3.358	-9.7	93	0.00
83	T	tert-Butylbenzene	3.242	3.499	-7.9	93	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.505	-10.4	93	0.00
85	T	sec-Butylbenzene	3.884	4.452	-14.6	95	0.00
86	T	p-Isopropyltoluene	3.139	3.622	-15.4	95	0.00
87	T	1,3-Dichlorobenzene	1.643	1.747	-6.3	94	0.00
88	T	1,4-Dichlorobenzene	1.662	1.724	-3.7	92	0.00
89	T	n-Butylbenzene	2.703	3.300	-22.1	99	0.00
90	T	Hexachloroethane	0.568	0.652	-14.8	97	0.00
91	T	1,2-Dichlorobenzene	1.648	1.756	-6.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.321	-15.1	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.072	-14.3	96	0.00
94	T	Hexachlorobutadiene	0.385	0.460	-19.5	106	0.00
95	T	Naphthalene	3.605	3.992	-10.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.108	-11.9	94	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	50.000	50.442	-0.9	92	0.00
3	P	Chloromethane	50.000	44.361	11.3	83	0.00
4	C	Vinyl Chloride	50.000	43.004	14.0#	79	0.00
5	T	Bromomethane	50.000	45.822	8.4	86	0.00
6	T	Chloroethane	50.000	44.831	10.3	77	0.00
7	T	Trichlorofluoromethane	50.000	48.366	3.3	85	0.00
8	T	Diethyl Ether	50.000	43.843	12.3	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.396	-12.8	101	0.00
10	T	Methyl Iodide	50.000	52.350	-4.7	90	0.00
11	T	Tert butyl alcohol	250.000	232.818	6.9	95	0.00
12	CM	1,1-Dichloroethene	50.000	49.441	1.1#	89	0.00
13	T	Acrolein	250.000	229.981	8.0	84	0.00
14	T	Allyl chloride	50.000	53.602	-7.2	97	0.00
15	T	Acrylonitrile	250.000	264.049	-5.6	95	0.00
16	T	Acetone	250.000	282.690	-13.1	108	0.00
17	T	Carbon Disulfide	50.000	41.629	16.7	75	0.00
18	T	Methyl Acetate	50.000	66.439	-32.9#	124	0.00
19	T	Methyl tert-butyl Ether	50.000	51.972	-3.9	94	0.00
20	T	Methylene Chloride	50.000	49.504	1.0	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.612	0.8	87	0.00
22	T	Diisopropyl ether	50.000	52.186	-4.4	92	0.00
23	T	Vinyl Acetate	250.000	260.960	-4.4	89	0.00
24	P	1,1-Dichloroethane	50.000	50.922	-1.8	93	0.00
25	T	2-Butanone	250.000	274.133	-9.7	96	0.00
26	T	2,2-Dichloropropane	50.000	78.567	-57.1#	140	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.388	-0.8	90	0.00
28	T	Bromochloromethane	50.000	50.753	-1.5	91	0.00
29	T	Tetrahydrofuran	250.000	251.058	-0.4	92	0.00
30	C	Chloroform	50.000	51.818	-3.6#	94	0.00
31	T	Cyclohexane	50.000	48.741	2.5	87	-0.01
32	T	1,1,1-Trichloroethane	50.000	53.226	-6.5	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	55.125	-10.3	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	57.055	-14.1	100	0.00
36	T	1,1-Dichloropropene	50.000	52.334	-4.7	88	-0.01
37	T	Ethyl Acetate	50.000	53.733	-7.5	91	0.00
38	T	Carbon Tetrachloride	50.000	56.470	-12.9	97	0.00
39	T	Methylcyclohexane	50.000	55.240	-10.5	90	0.00
40	TM	Benzene	50.000	51.973	-3.9	87	0.00
41	T	Methacrylonitrile	50.000	58.072	-16.1	94	-0.01
42	TM	1,2-Dichloroethane	50.000	57.604	-15.2	98	0.00
43	T	Isopropyl Acetate	50.000	56.979	-14.0	93	0.00
44	TM	Trichloroethene	50.000	51.854	-3.7	89	0.00
45	C	1,2-Dichloropropane	50.000	53.925	-7.8#	93	0.00
46	T	Dibromomethane	50.000	55.635	-11.3	94	0.00
47	T	Bromodichloromethane	50.000	56.808	-13.6	97	0.00
48	T	Methyl methacrylate	50.000	57.285	-14.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	987.206	1.3	84	0.00
50	S	Toluene-d8	50.000	54.211	-8.4	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	286.370	-14.5	95	0.00
52	CM	Toluene	50.000	53.547	-7.1#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	61.040	-22.1	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.407	-18.8	96	0.00
55	T	1,1,2-Trichloroethane	50.000	53.712	-7.4	91	0.00
56	T	Ethyl methacrylate	50.000	56.313	-12.6	91	0.00
57	T	1,3-Dichloropropane	50.000	54.489	-9.0	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	309.131	-23.7	98	0.00
59	T	2-Hexanone	250.000	288.965	-15.6	95	0.00
60	T	Dibromochloromethane	50.000	57.543	-15.1	95	0.00
61	T	1,2-Dibromoethane	50.000	54.017	-8.0	92	0.00
62	S	4-Bromofluorobenzene	50.000	57.711	-15.4	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	54.416	-8.8	93	0.00
65	PM	Chlorobenzene	50.000	54.144	-8.3	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.992	-10.0	94	0.00
67	C	Ethyl Benzene	50.000	55.699	-11.4#	90	0.00
68	T	m/p-Xylenes	100.000	112.126	-12.1	90	0.00
69	T	o-Xylene	50.000	54.073	-8.1	90	0.00
70	T	Styrene	50.000	56.462	-12.9	91	0.00
71	P	Bromoform	50.000	58.610	-17.2	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	54.526	-9.1	93	0.00
74	T	N-amyl acetate	50.000	55.907	-11.8	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.164	-2.3	93	0.00
76	T	1,2,3-Trichloropropane	50.000	52.802	-5.6	96	0.00
77	T	Bromobenzene	50.000	51.283	-2.6	91	0.00
78	T	n-propylbenzene	50.000	56.710	-13.4	94	0.00
79	T	2-Chlorotoluene	50.000	53.424	-6.8	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.029	-10.1	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	59.413	-18.8	107	0.00
82	T	4-Chlorotoluene	50.000	54.878	-9.8	93	0.00
83	T	tert-Butylbenzene	50.000	53.959	-7.9	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.202	-10.4	93	0.00
85	T	sec-Butylbenzene	50.000	57.320	-14.6	95	0.00
86	T	p-Isopropyltoluene	50.000	57.707	-15.4	95	0.00
87	T	1,3-Dichlorobenzene	50.000	53.171	-6.3	94	0.00
88	T	1,4-Dichlorobenzene	50.000	51.865	-3.7	92	0.00
89	T	n-Butylbenzene	50.000	61.041	-22.1	99	0.00
90	T	Hexachloroethane	50.000	57.380	-14.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	53.282	-6.6	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.585	-15.2	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.116	-14.2	96	0.00
94	T	Hexachlorobutadiene	50.000	59.832	-19.7	106	0.00
95	T	Naphthalene	50.000	55.368	-10.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.945	-11.9	94	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 19:51

Lab File ID: VX045373.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.546		-13.2	50
Chloromethane	0.770	0.601	0.1	-21.95	50
Vinyl Chloride	0.764	0.594		-22.25	50
Bromomethane	0.300	0.259		-13.67	50
Chloroethane	0.352	0.320		-9.09	50
Trichlorofluoromethane	1.012	0.904		-10.67	50
1,1,2-Trichlorotrifluoroethane	0.581	0.581		0	50
1,1-Dichloroethene	0.614	0.558		-9.12	50
Acetone	0.369	0.342		-7.32	50
Carbon Disulfide	1.636	1.126		-31.17	50
Methyl tert-butyl Ether	2.061	1.989		-3.49	50
Methyl Acetate	0.888	1.121		26.24	50
Methylene Chloride	0.731	0.652		-10.81	50
trans-1,2-Dichloroethene	0.607	0.567		-6.59	50
1,1-Dichloroethane	1.247	1.210	0.1	-2.97	50
Cyclohexane	1.082	0.980		-9.43	50
2-Butanone	0.555	0.537		-3.24	50
Carbon Tetrachloride	0.465	0.466		0.22	50
cis-1,2-Dichloroethene	0.749	0.714		-4.67	50
Bromochloromethane	0.594	0.568		-4.38	50
Chloroform	1.239	1.236		-0.24	50
1,1,1-Trichloroethane	1.000	0.996		-0.4	50
Methylcyclohexane	0.549	0.531		-3.28	50
Benzene	1.448	1.385		-4.35	50
1,2-Dichloroethane	0.521	0.556		6.72	50
Trichloroethene	0.340	0.321		-5.59	50
1,2-Dichloropropane	0.372	0.352		-5.38	50
Bromodichloromethane	0.516	0.526		1.94	50
4-Methyl-2-Pentanone	0.587	0.593		1.02	50
Toluene	0.849	0.828		-2.47	50
t-1,3-Dichloropropene	0.431	0.432		0.23	50
cis-1,3-Dichloropropene	0.503	0.513		1.99	50
1,1,2-Trichloroethane	0.350	0.340		-2.86	50
2-Hexanone	0.425	0.433		1.88	50
Dibromochloromethane	0.366	0.361		-1.37	50
1,2-Dibromoethane	0.349	0.338		-3.15	50
Tetrachloroethene	0.320	0.329		2.81	50
Chlorobenzene	1.058	1.053	0.3	-0.47	50

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/20/2025 19:51

Lab File ID: VX045373.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.886		2.33	50
m/p-Xylenes	0.675	0.679		0.59	50
o-Xylene	0.681	0.678		-0.44	50
Styrene	1.101	1.135		3.09	50
Bromoform	0.266	0.271	0.1	1.88	50
Isopropylbenzene	3.903	3.887		-0.41	50
1,1,2,2-Tetrachloroethane	1.432	1.384	0.3	-3.35	50
1,3-Dichlorobenzene	1.643	1.603		-2.43	50
1,4-Dichlorobenzene	1.662	1.582		-4.81	50
1,2-Dichlorobenzene	1.648	1.615		-2	50
1,2-Dibromo-3-Chloropropane	0.279	0.286		2.51	50
1,2,4-Trichlorobenzene	0.938	0.947		0.96	50
1,2,3-Trichlorobenzene	0.990	0.976		-1.41	50
1,2-Dichloroethane-d4	0.795	0.755		-5.03	50
Dibromofluoromethane	0.334	0.314		-5.99	50
Toluene-d8	1.212	1.052		-13.2	50
4-Bromofluorobenzene	0.402	0.370		-7.96	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\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70639	47.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.940%			
35) Dibromofluoromethane	5.379	113	52009	46.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.880%			
50) Toluene-d8	8.647	98	174390	43.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.820%			
62) 4-Bromofluorobenzene	11.079	95	61298	46.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	51086	43.383	ug/l	95
3) Chloromethane	1.307	50	56179	38.984	ug/l	96
4) Vinyl Chloride	1.374	62	55599	38.892	ug/l	97
5) Bromomethane	1.593	94	24213	43.085	ug/l	98
6) Chloroethane	1.660	64	29979	45.464	ug/l	96
7) Trichlorofluoromethane	1.868	101	84605	44.706	ug/l	98
8) Diethyl Ether	2.130	74	31439	42.472	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54397	50.031	ug/l	99
10) Methyl Iodide	2.441	142	66312	48.804	ug/l	95
11) Tert butyl alcohol	2.989	59	50967	180.827	ug/l	98
12) 1,1-Dichloroethene	2.307	96	52221	45.429	ug/l	94
13) Acrolein	2.239	56	70452	216.233	ug/l	99
14) Allyl chloride	2.654	41	100258	48.998	ug/l	94
15) Acrylonitrile	3.062	53	179013	236.977	ug/l	99
16) Acetone	2.386	43	160119	231.924	ug/l	96
17) Carbon Disulfide	2.502	76	105372	34.417	ug/l	96
18) Methyl Acetate	2.703	43	104891	63.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	186021	48.235	ug/l	98
20) Methylene Chloride	2.782	84	60998	44.603	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	53015	46.683	ug/l	96
22) Diisopropyl ether	3.764	45	205882	49.474	ug/l	98
23) Vinyl Acetate	3.721	43	843117	242.782	ug/l	98
24) 1,1-Dichloroethane	3.605	63	113207	48.541	ug/l	99
25) 2-Butanone	4.556	43	251226	241.746	ug/l	98
26) 2,2-Dichloropropane	4.471	77	67607	61.802	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	66766	47.626	ug/l	93
28) Bromochloromethane	4.891	49	53150	47.813	ug/l	98
29) Tetrahydrofuran	5.001	42	159365	228.354	ug/l	100
30) Chloroform	5.087	83	115671	49.916	ug/l	98
31) Cyclohexane	5.458	56	91710	45.300	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	93184	49.789	ug/l	97
36) 1,1-Dichloropropene	5.684	75	74230	48.847	ug/l	99
37) Ethyl Acetate	4.715	43	92331	47.152	ug/l	99
38) Carbon Tetrachloride	5.672	117	77143	50.002	ug/l	97
39) Methylcyclohexane	7.373	83	87986	48.320	ug/l	96
40) Benzene	6.031	78	229488	47.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	54907	51.857	ug/l		98
42) 1,2-Dichloroethane	6.080	62	92126	53.313	ug/l		97
43) Isopropyl Acetate	6.336	43	142927	49.361	ug/l		99
44) Trichloroethene	7.123	130	53184	47.200	ug/l		98
45) 1,2-Dichloropropane	7.428	63	58403	47.336	ug/l		99
46) Dibromomethane	7.574	93	44280	50.776	ug/l		96
47) Bromodichloromethane	7.818	83	87101	50.921	ug/l		97
48) Methyl methacrylate	7.690	41	73187	50.381	ug/l		95
49) 1,4-Dioxane	7.665	88	24510	799.865	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	491687	252.898	ug/l		99
52) Toluene	8.714	92	137136	48.708	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	71529	50.020	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	85027	50.990	ug/l	#	90
55) 1,1,2-Trichloroethane	9.147	97	56424	48.680	ug/l		98
56) Ethyl methacrylate	9.116	69	87573	49.705	ug/l		93
57) 1,3-Dichloropropane	9.305	76	96608	48.163	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	230541	268.242	ug/l		99
59) 2-Hexanone	9.427	43	358998	254.850	ug/l		98
60) Dibromochloromethane	9.519	129	59803	49.346	ug/l		100
61) 1,2-Dibromoethane	9.604	107	56084	48.470	ug/l		98
64) Tetrachloroethene	9.269	164	45283	51.351	ug/l		98
65) Chlorobenzene	10.079	112	144993	49.767	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	49330	50.843	ug/l		97
67) Ethyl Benzene	10.189	91	259715	51.160	ug/l		99
68) m/p-Xylenes	10.299	106	186973	100.611	ug/l		95
69) o-Xylene	10.640	106	93311	49.785	ug/l		97
70) Styrene	10.653	104	156285	51.533	ug/l		97
71) Bromoform	10.799	173	37320	51.008	ug/l	#	98
73) Isopropylbenzene	10.957	105	247227	49.801	ug/l		99
74) N-amyl acetate	10.842	43	118224	50.753	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	88014	48.314	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	73735m	49.810	ug/l		
77) Bromobenzene	11.195	156	55127	47.066	ug/l		96
78) n-propylbenzene	11.299	91	284120	50.665	ug/l		98
79) 2-Chlorotoluene	11.360	91	172470	48.292	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	200325	49.907	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	20719	47.898	ug/l		87
82) 4-Chlorotoluene	11.451	91	195160	50.140	ug/l		99
83) tert-Butylbenzene	11.713	119	202061	48.993	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	201914	49.993	ug/l		99
85) sec-Butylbenzene	11.890	105	252116	51.032	ug/l		99
86) p-Isopropyltoluene	12.006	119	207118	51.877	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101952	48.793	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	100604	47.591	ug/l		99
89) n-Butylbenzene	12.329	91	185400	53.917	ug/l		99
90) Hexachloroethane	12.536	117	34950	48.398	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	102736	49.014	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18163	51.178	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	60246	50.478	ug/l		99
94) Hexachlorobutadiene	13.725	225	24590	50.254	ug/l		100
95) Naphthalene	13.774	128	229260	49.996	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62054	49.285	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

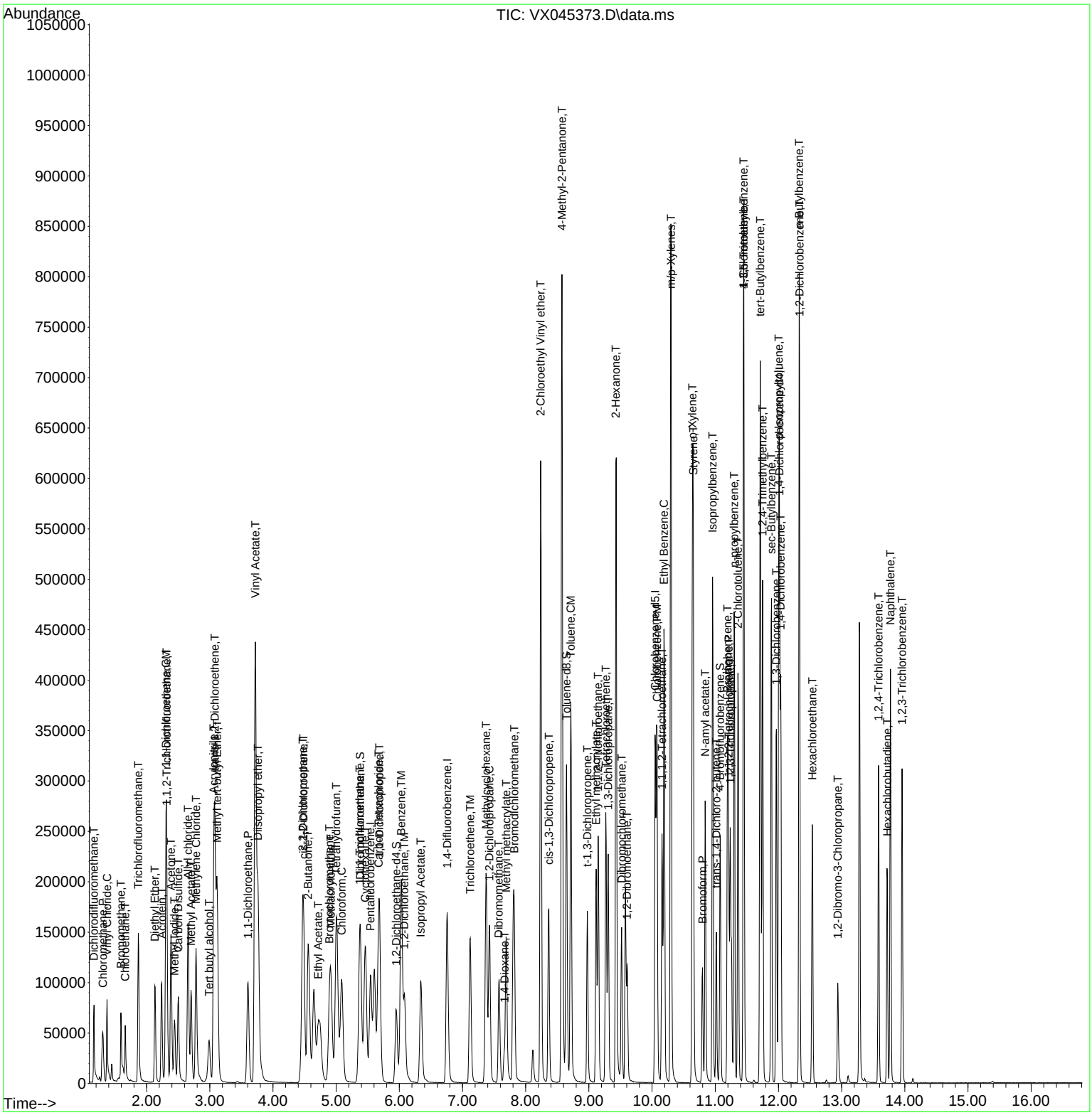
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Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

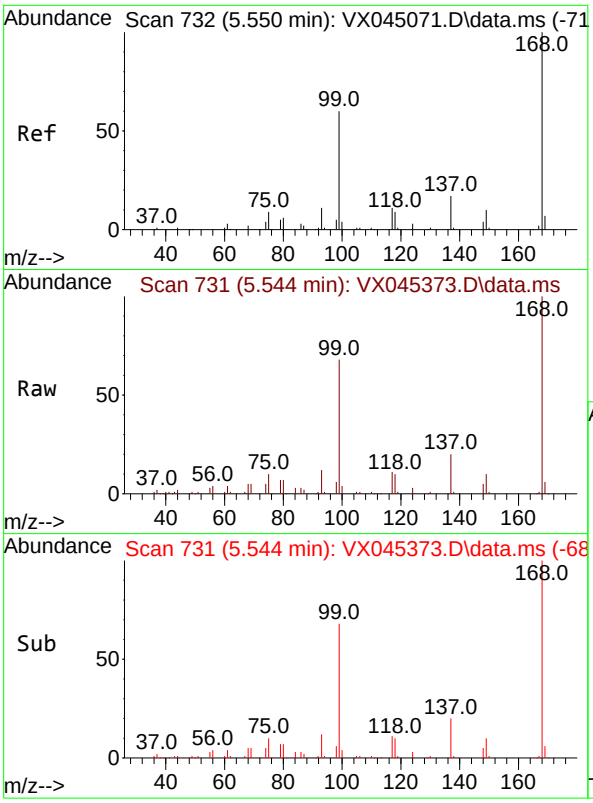
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
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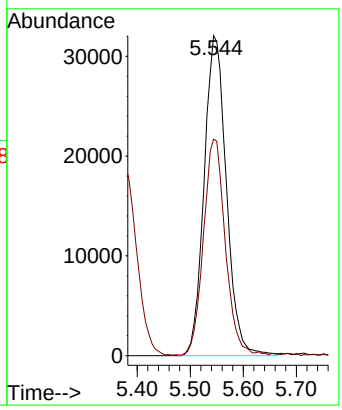




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:168 Resp: 9354

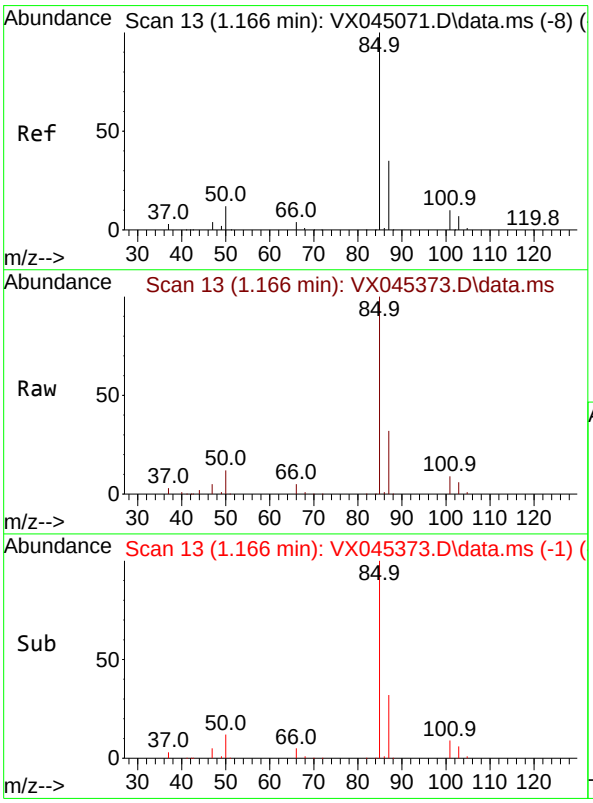
Ion	Ratio	Lower	Upper
168	100		
99	67.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

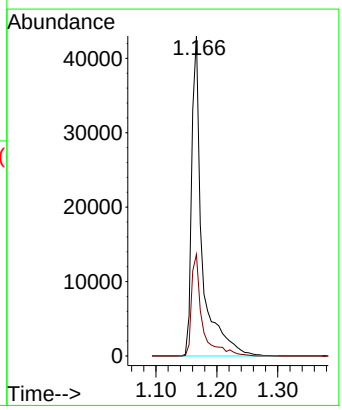
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

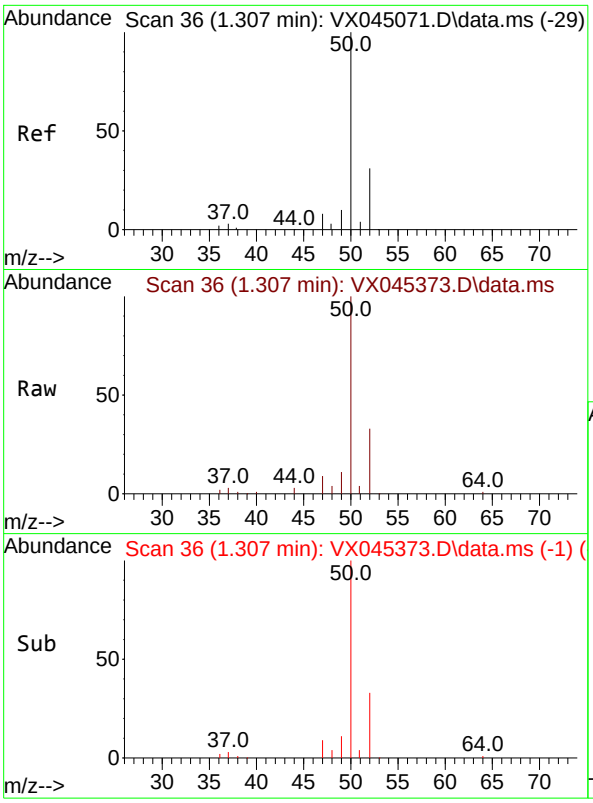


#2
Dichlorodifluoromethane
Concen: 43.383 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 85 Resp: 51086

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

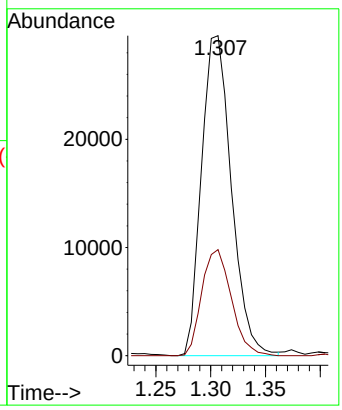




#3
Chloromethane
Concen: 38.984 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 50 Resp: 5617

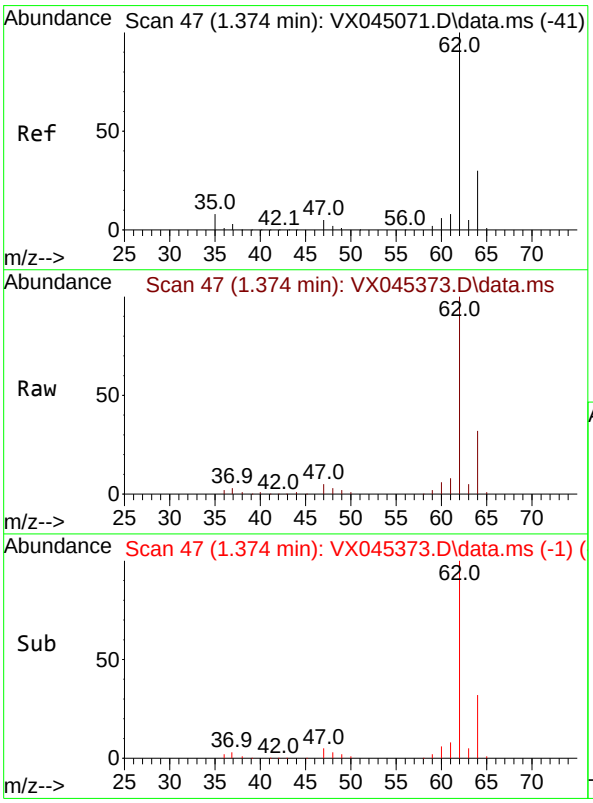
Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

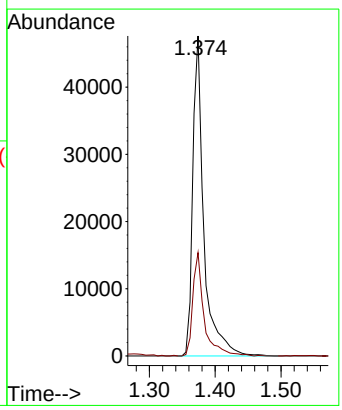
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

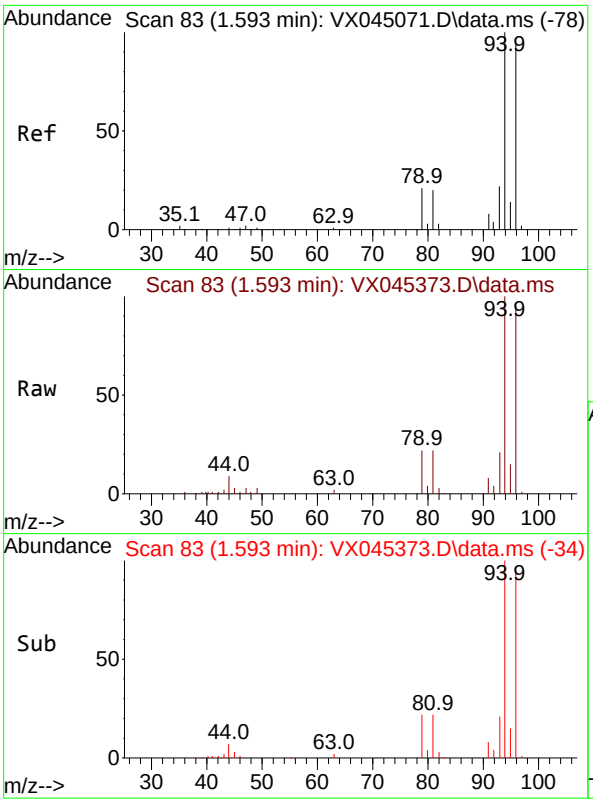


#4
Vinyl Chloride
Concen: 38.892 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 55599

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.3	36.5

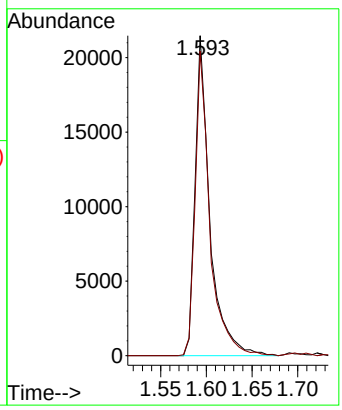




#5
Bromomethane
Concen: 43.085 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 94 Resp: 2421

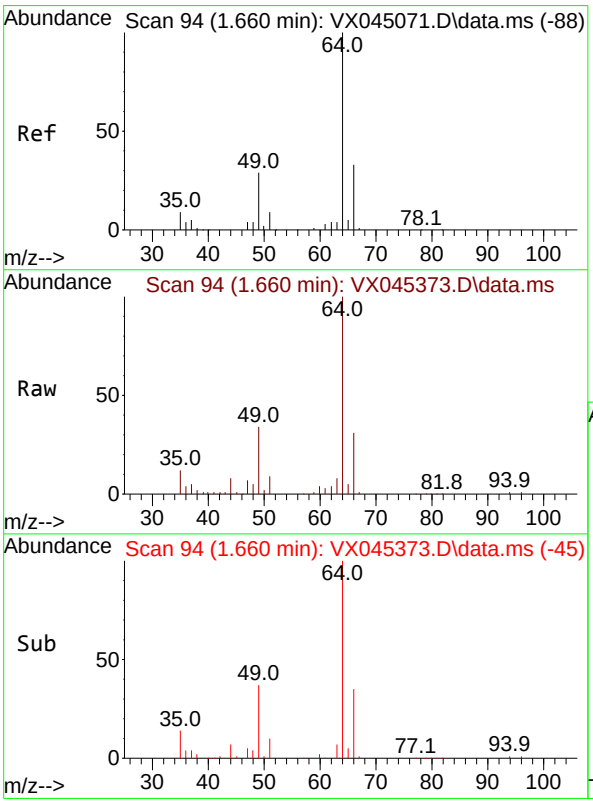
Ion	Ratio	Lower	Upper
94	100		
96	95.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

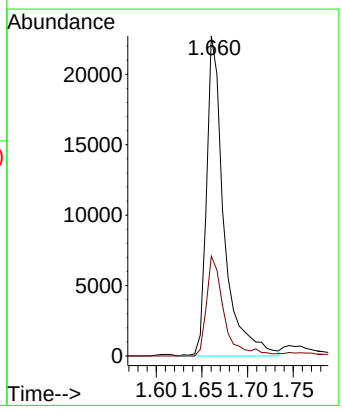
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

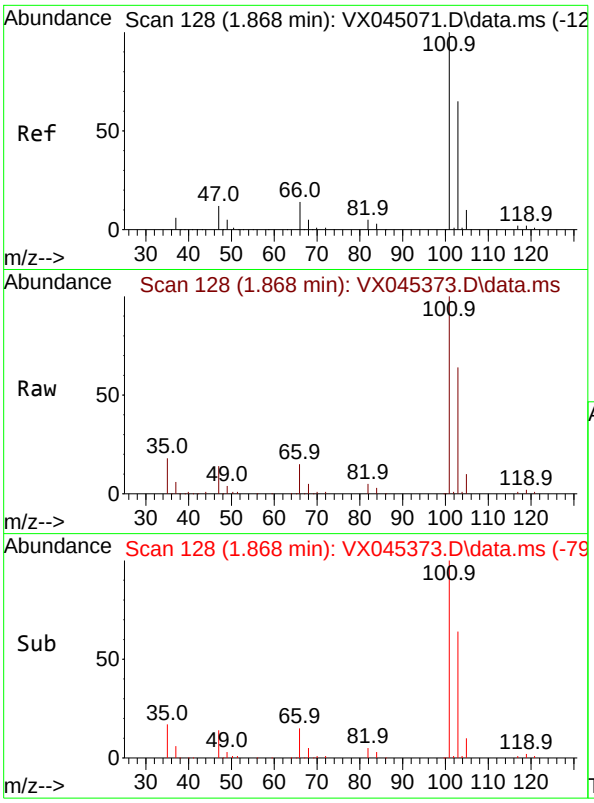


#6
Chloroethane
Concen: 45.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 64 Resp: 29979

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.7	40.1

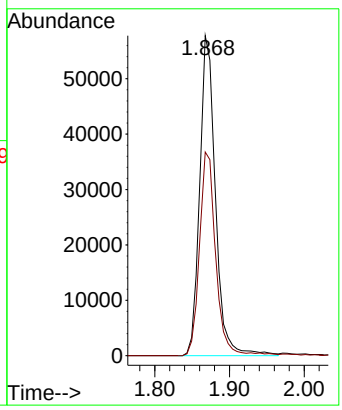




#7
Trichlorofluoromethane
Concen: 44.706 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:101 Resp: 8460

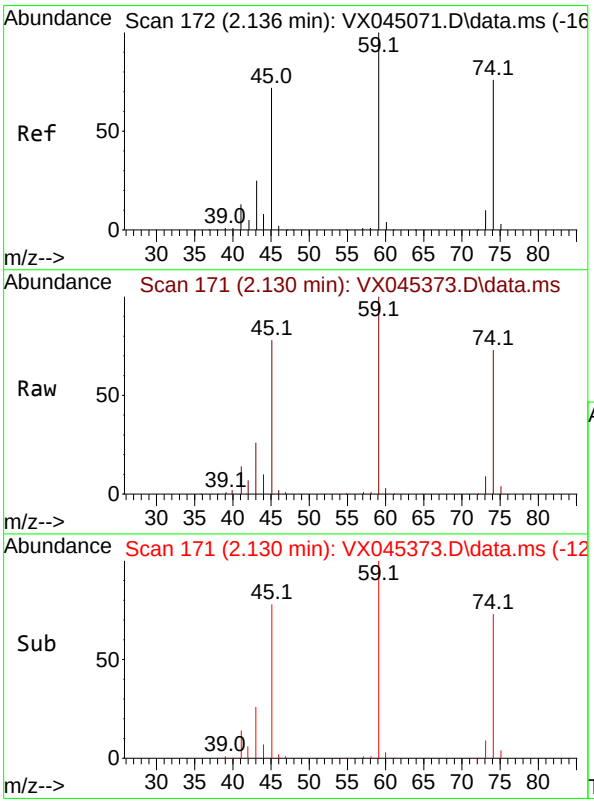
Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

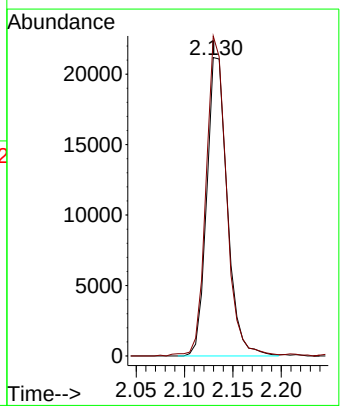
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

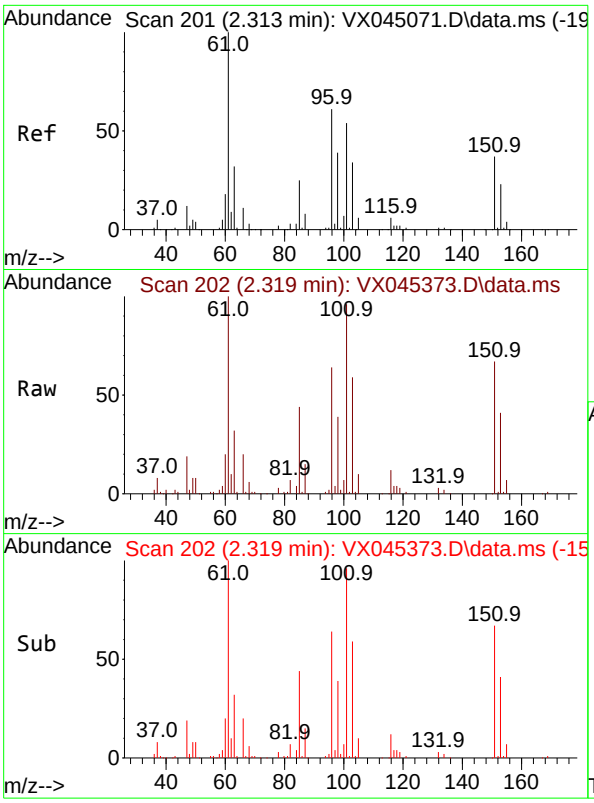


#8
Diethyl Ether
Concen: 42.472 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 74 Resp: 31439

Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.031 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

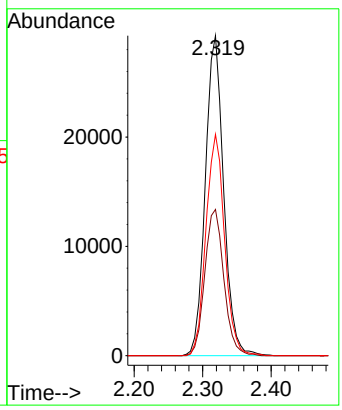
Tgt Ion:101 Resp: 5439

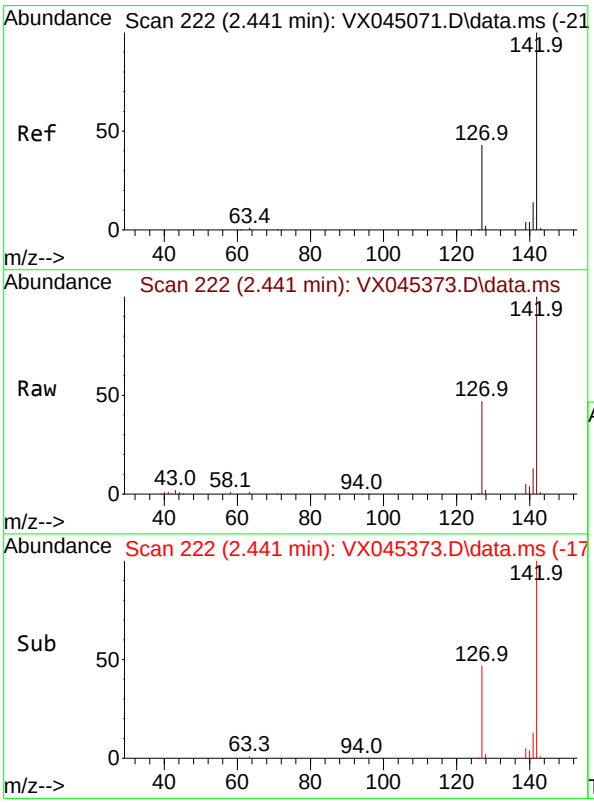
Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

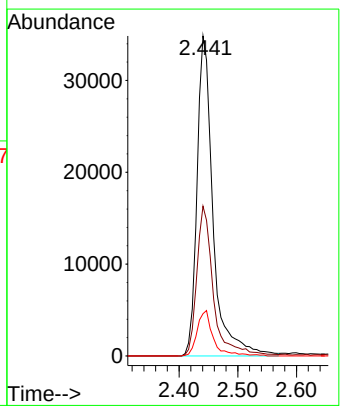


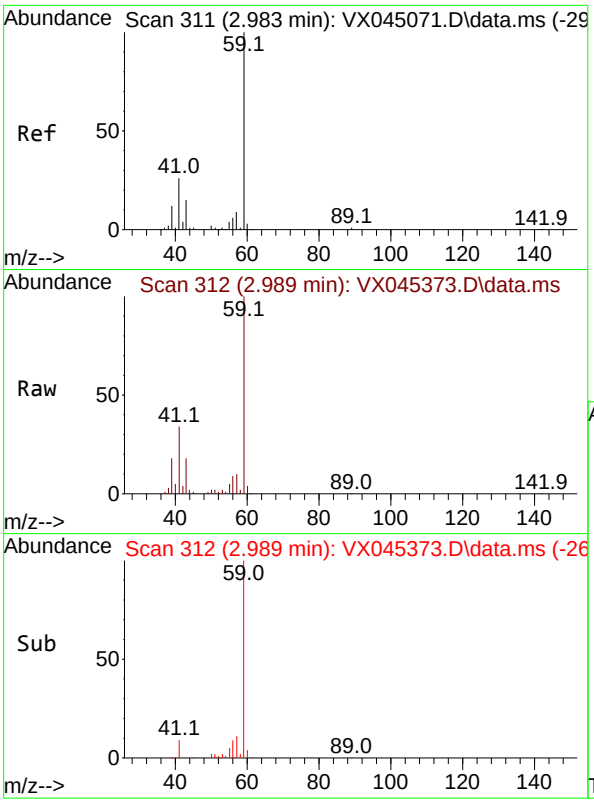


#10
Methyl Iodide
Concen: 48.804 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:142 Resp: 66312

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.2	11.6	17.4

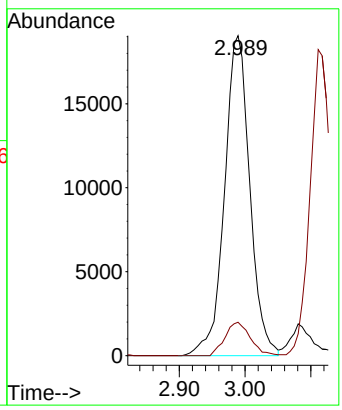




#11
Tert butyl alcohol
Concen: 180.827 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 59 Resp: 5096

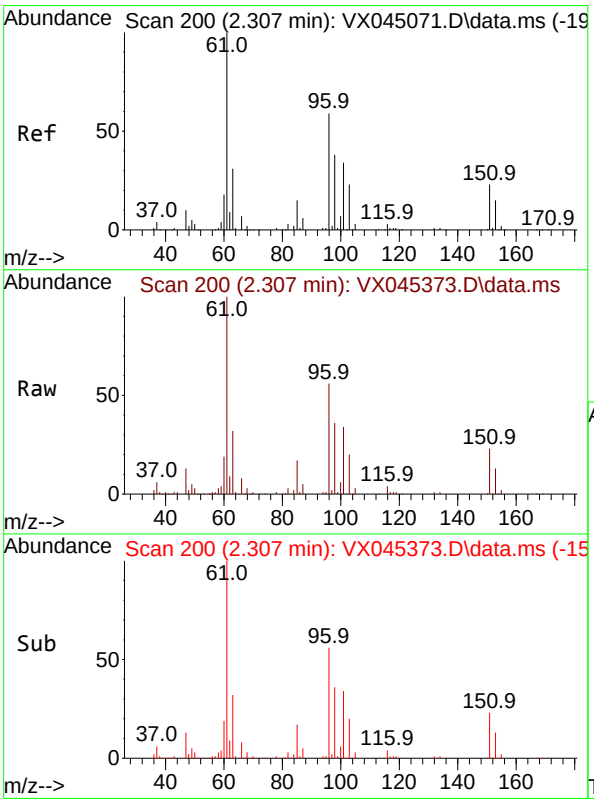
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

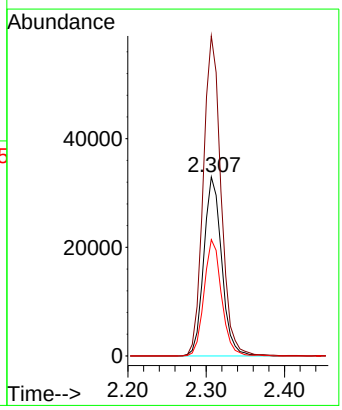
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

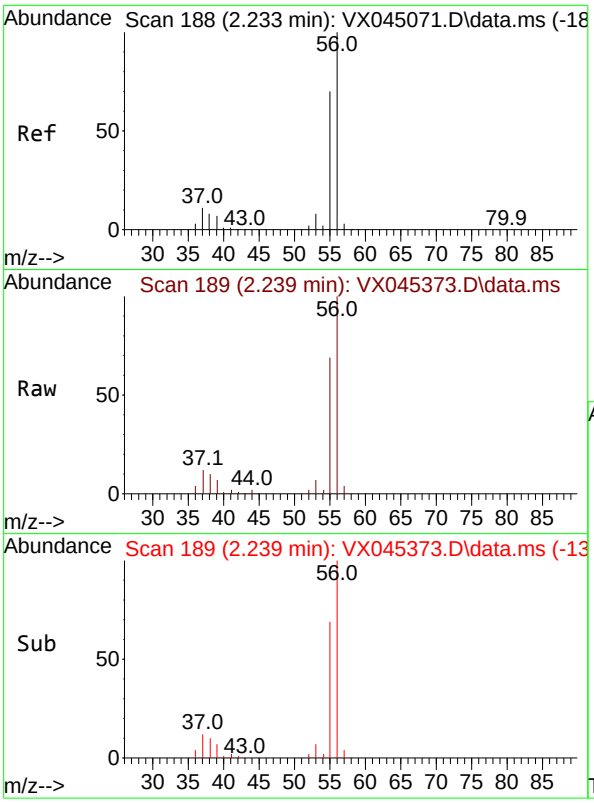


#12
1,1-Dichloroethene
Concen: 45.429 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 96 Resp: 52221

Ion	Ratio	Lower	Upper
96	100		
61	178.8	134.6	202.0
98	65.0	51.0	76.6

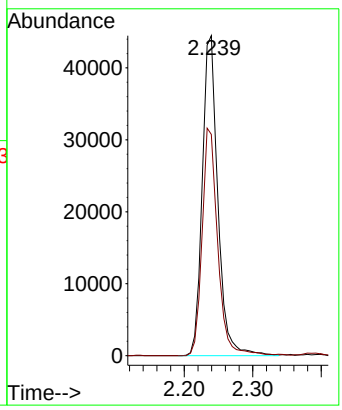




#13
Acrolein
Concen: 216.233 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 56 Resp: 7045

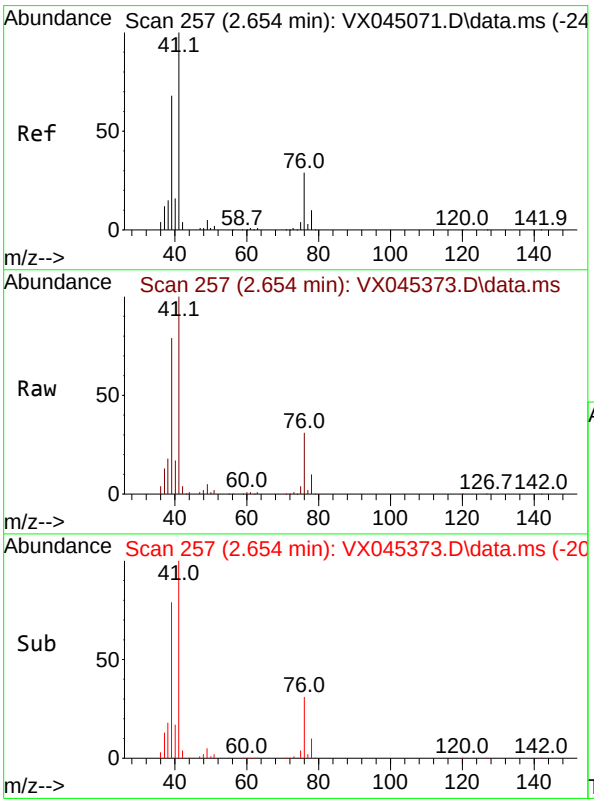
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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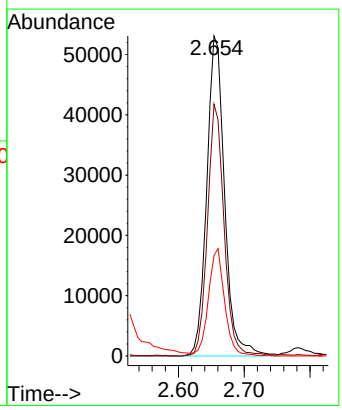
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

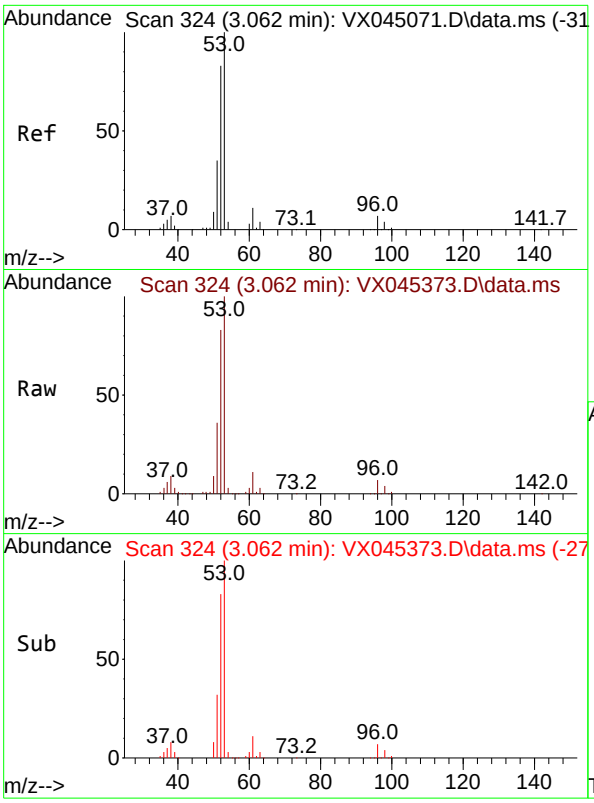


#14
Allyl chloride
Concen: 48.998 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 100258

Ion	Ratio	Lower	Upper
41	100		
39	73.0	53.8	80.8
76	30.3	25.2	37.8





#15
Acrylonitrile
Concen: 236.977 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

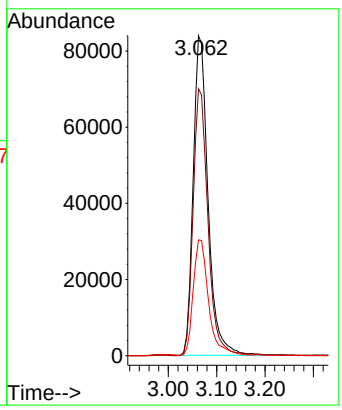
Tgt Ion: 53 Resp: 17901

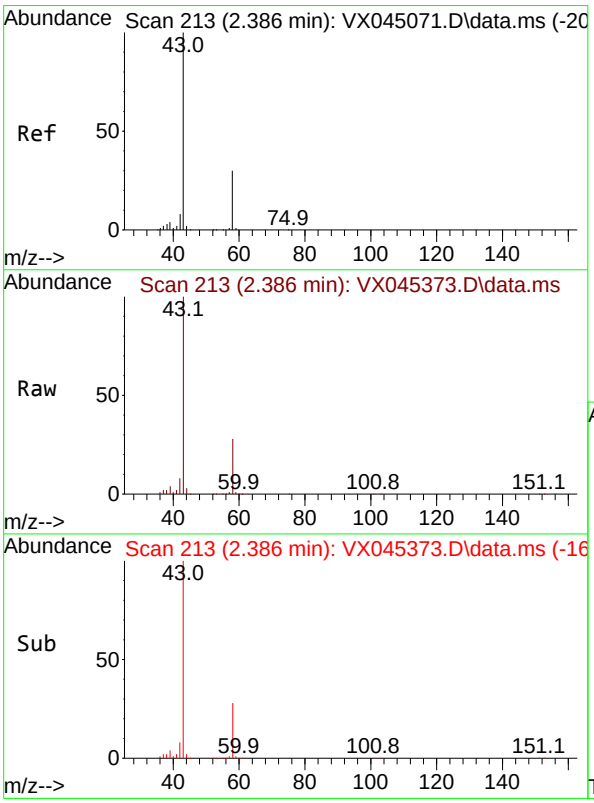
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.2	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

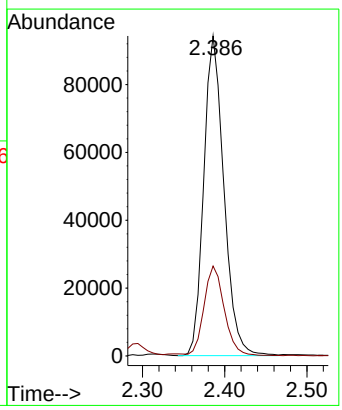


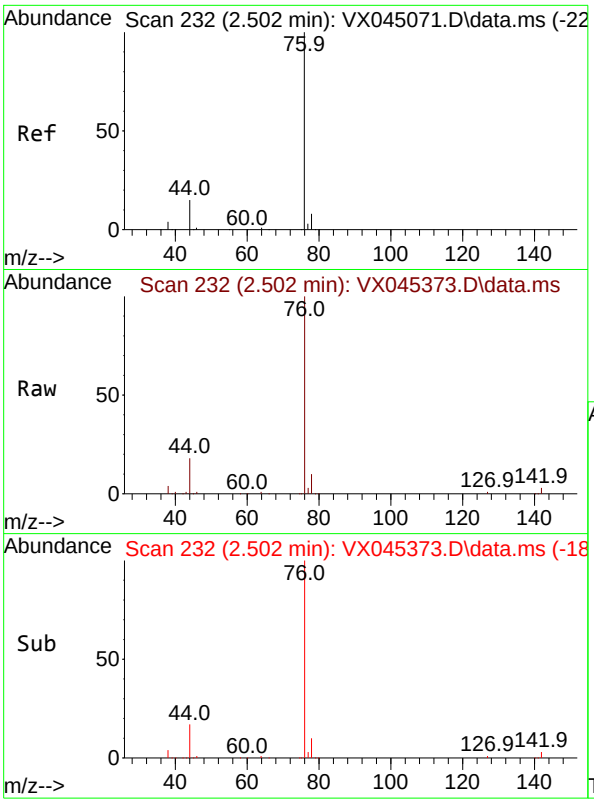


#16
Acetone
Concen: 231.924 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 160119

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.2	36.4





#17
Carbon Disulfide
Concen: 34.417 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

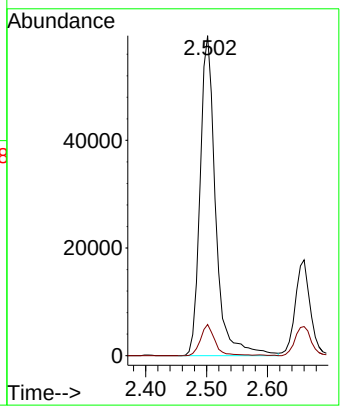
Tgt Ion: 76 Resp: 10537

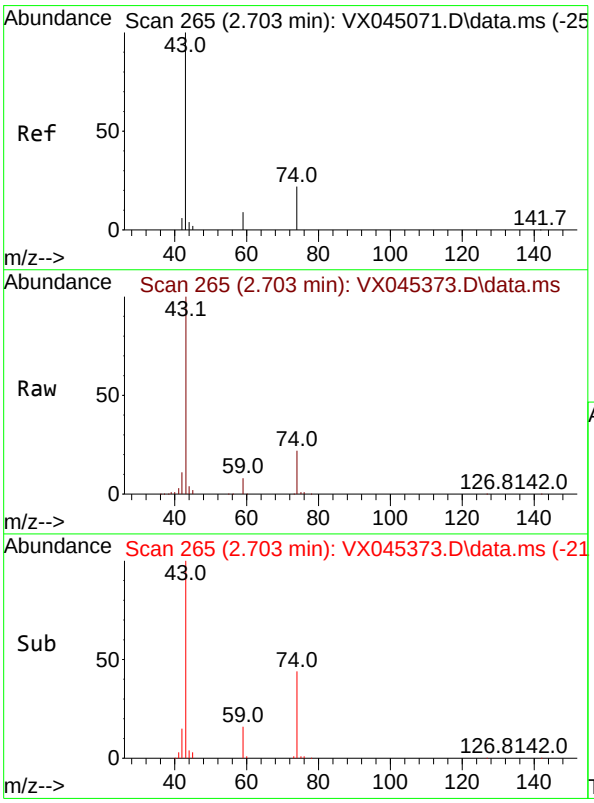
Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

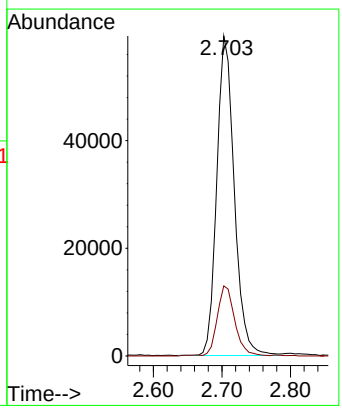


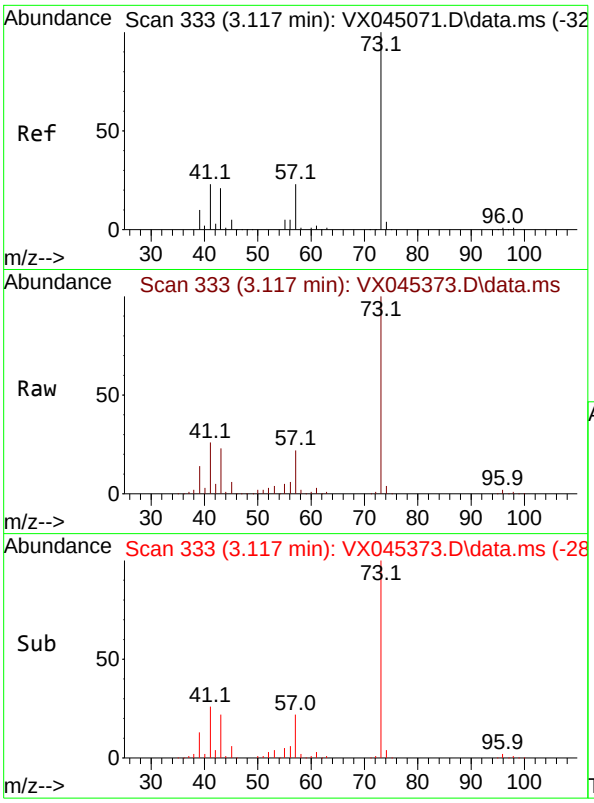


#18
Methyl Acetate
Concen: 63.154 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 104891

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

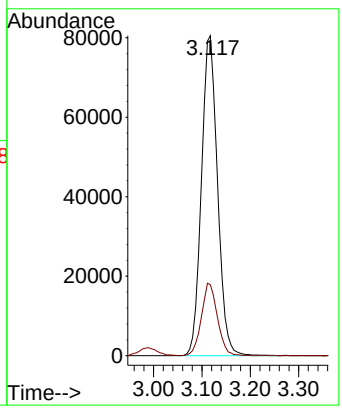




#19
Methyl tert-butyl Ether
Concen: 48.235 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 73 Resp: 18602

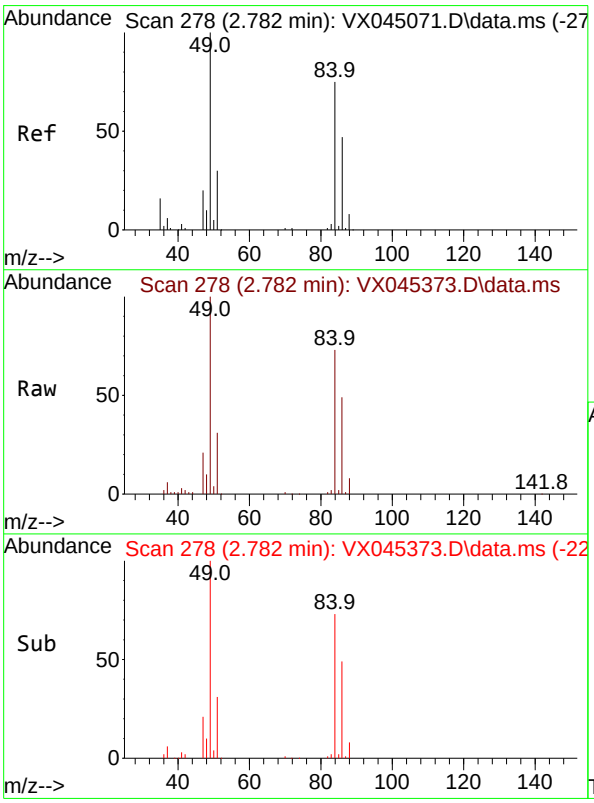
Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

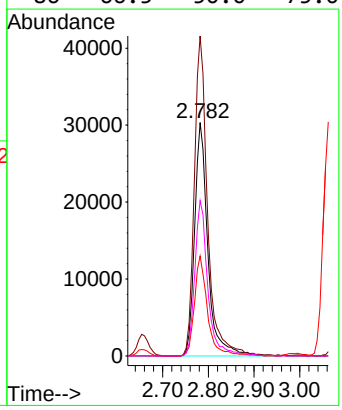
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

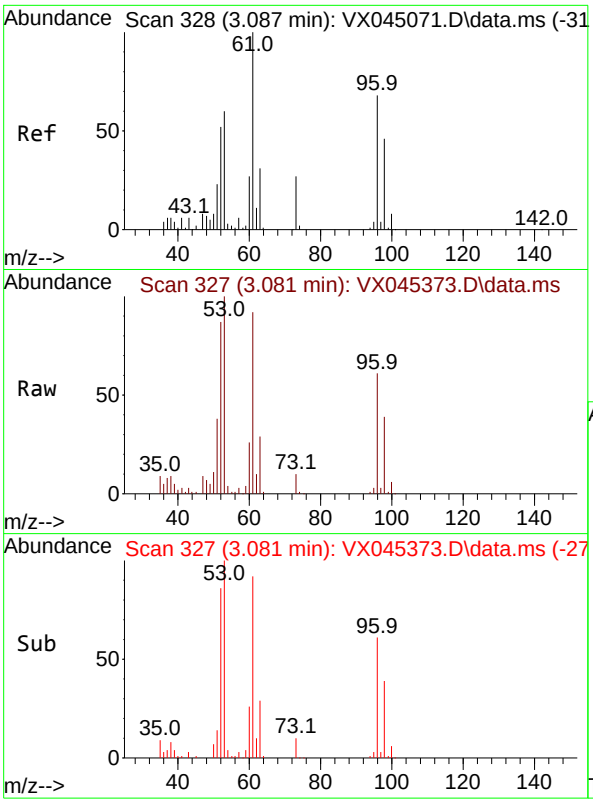


#20
Methylene Chloride
Concen: 44.603 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 84 Resp: 60998

Ion	Ratio	Lower	Upper
84	100		
49	137.1	106.5	159.7
51	42.8	32.1	48.1
86	66.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 46.683 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

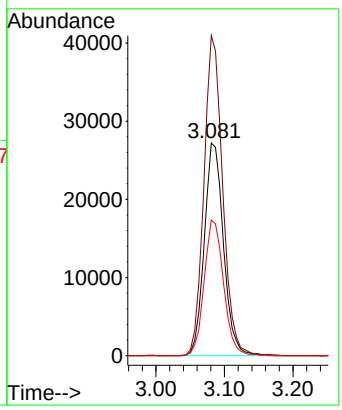
Tgt Ion: 96 Resp: 5301

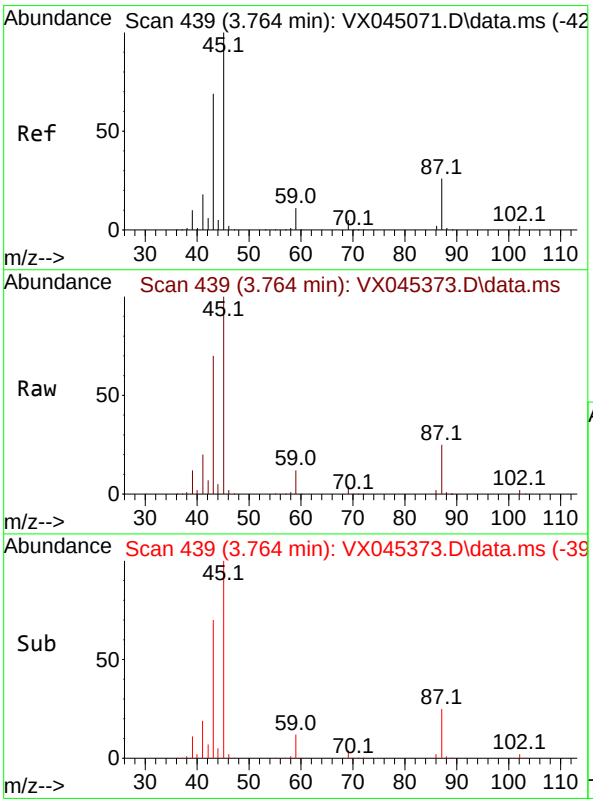
Ion	Ratio	Lower	Upper
96	100		
61	150.5	117.0	175.4
98	63.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

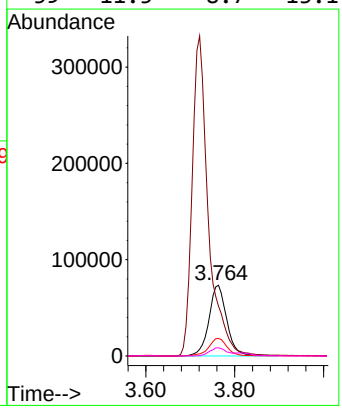


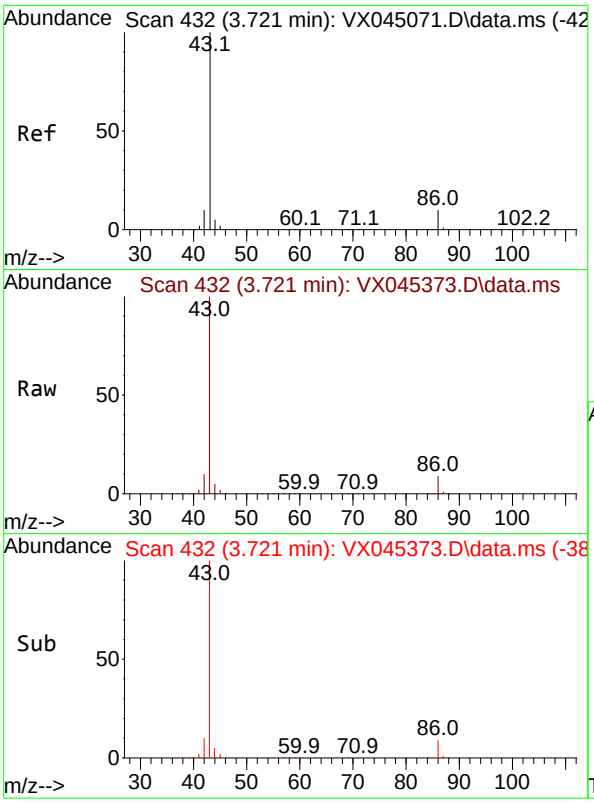


#22
Diisopropyl ether
Concen: 49.474 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 45 Resp: 205882

Ion	Ratio	Lower	Upper
45	100		
43	70.2	54.9	82.3
87	24.8	21.0	31.4
59	11.5	8.7	13.1





#23
Vinyl Acetate
Concen: 242.782 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

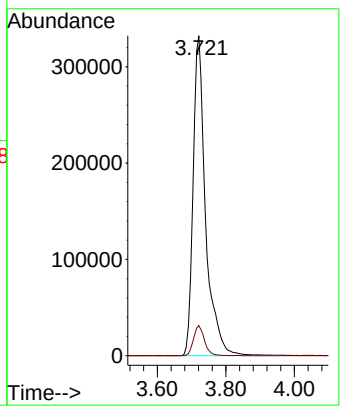
Tgt Ion: 43 Resp: 84311

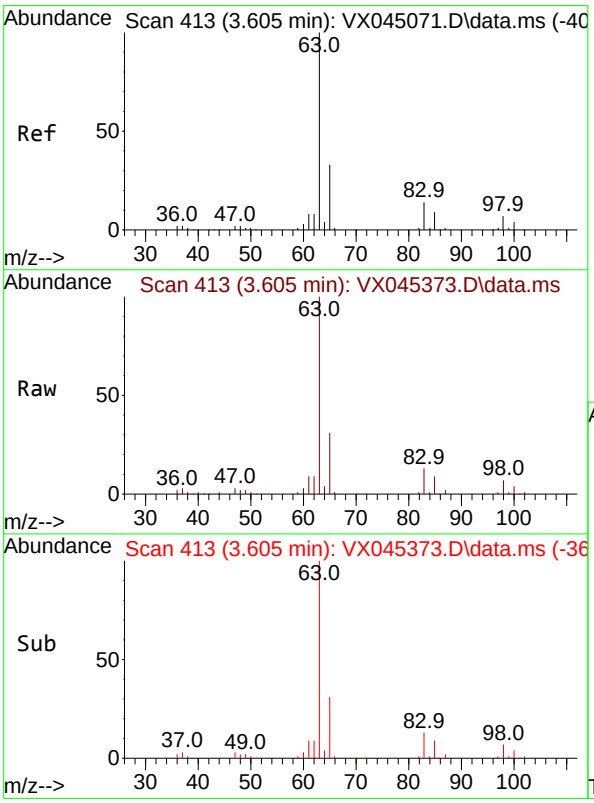
Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

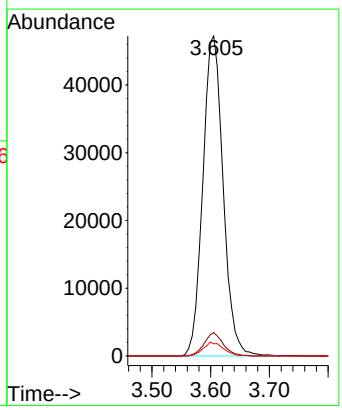


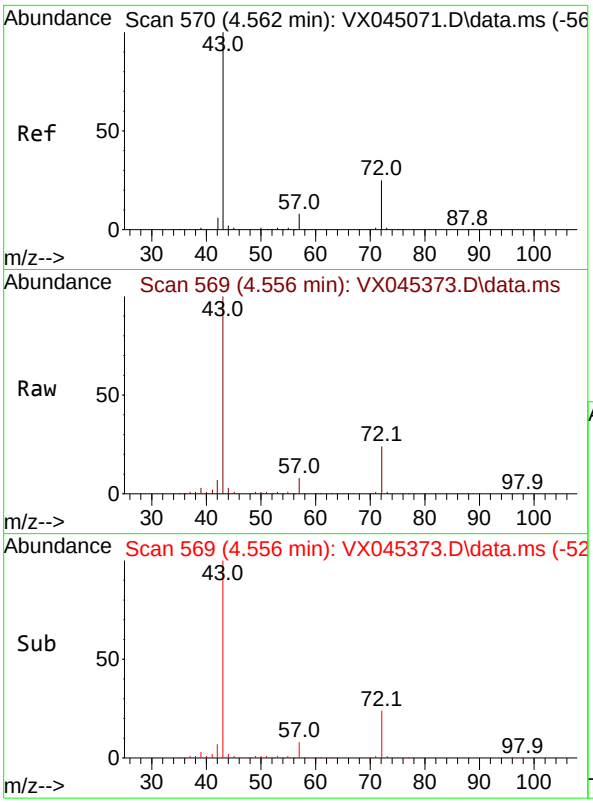


#24
1,1-Dichloroethane
Concen: 48.541 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 113207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5

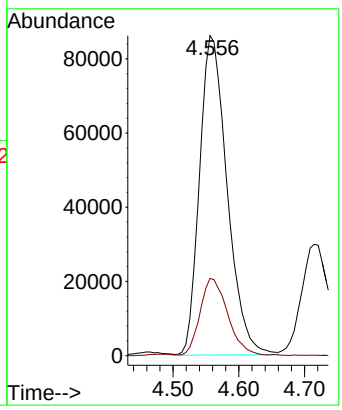




#25
2-Butanone
Concen: 241.746 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 25122

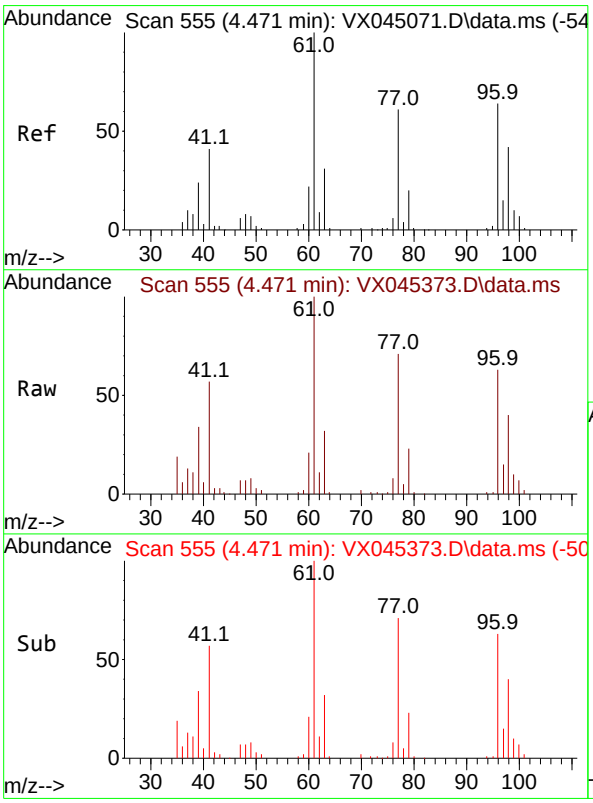
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

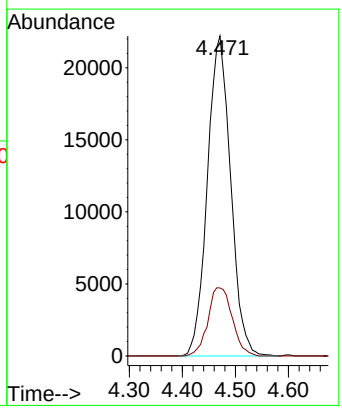
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

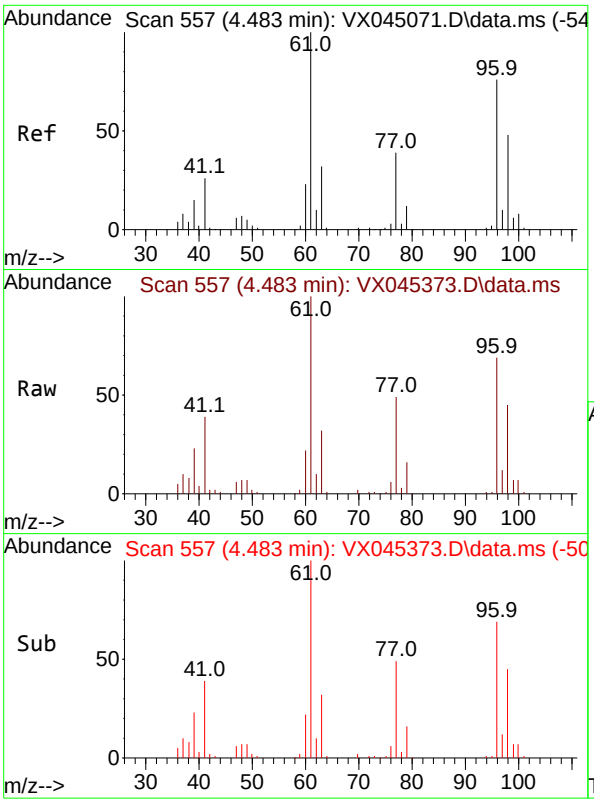


#26
2,2-Dichloropropane
Concen: 61.802 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 77 Resp: 67607

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0

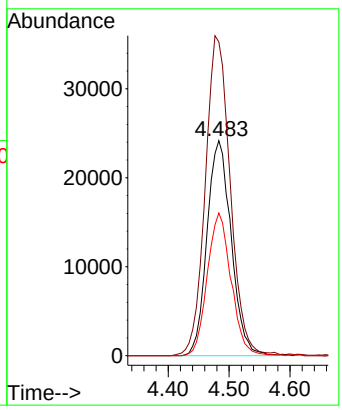




#27
cis-1,2-Dichloroethene
Concen: 47.626 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 96 Resp: 6676

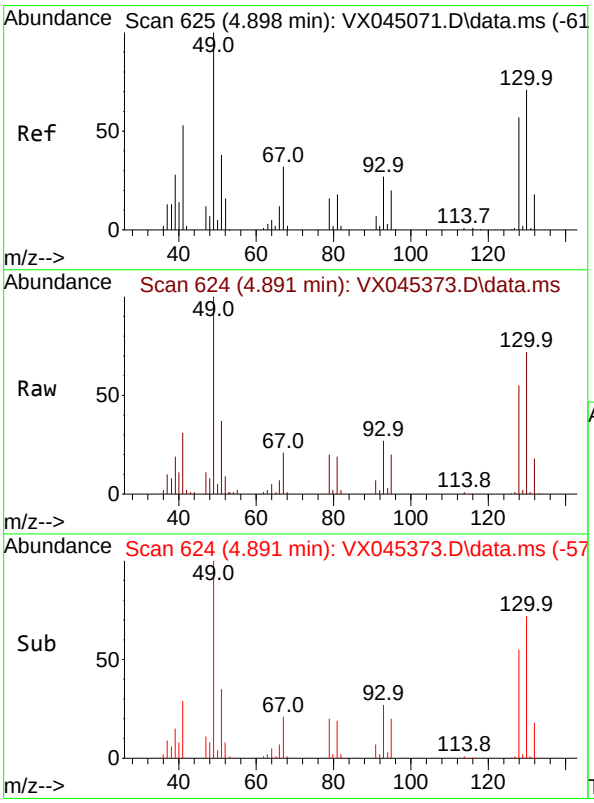
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	283.2
98	65.2	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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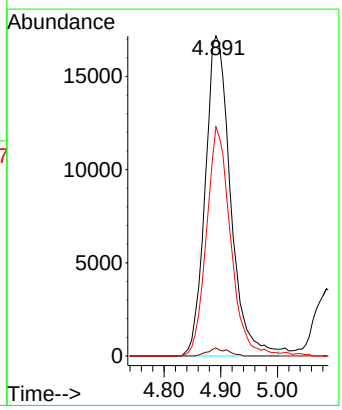
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

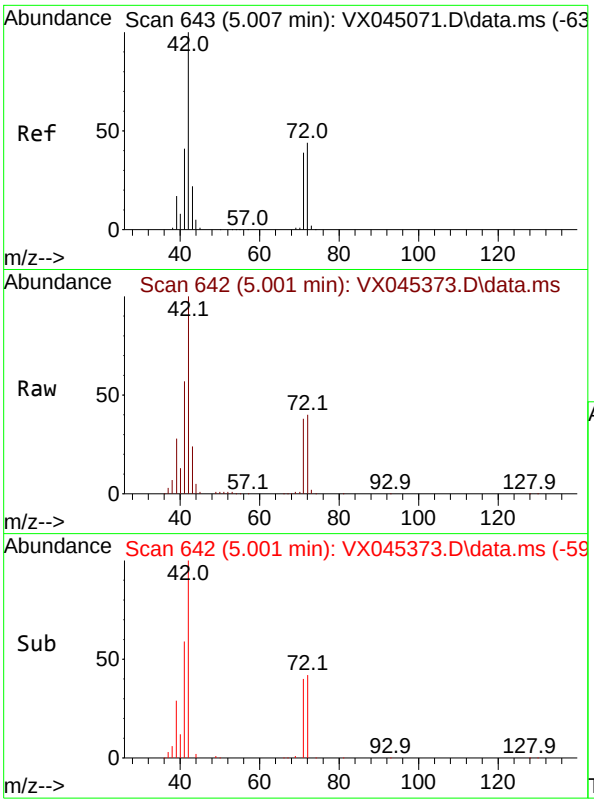


#28
Bromochloromethane
Concen: 47.813 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 49 Resp: 53150

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	68.2	56.1	84.1

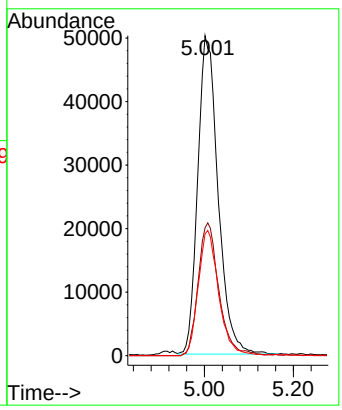




#29
Tetrahydrofuran
Concen: 228.354 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 42 Resp: 15936

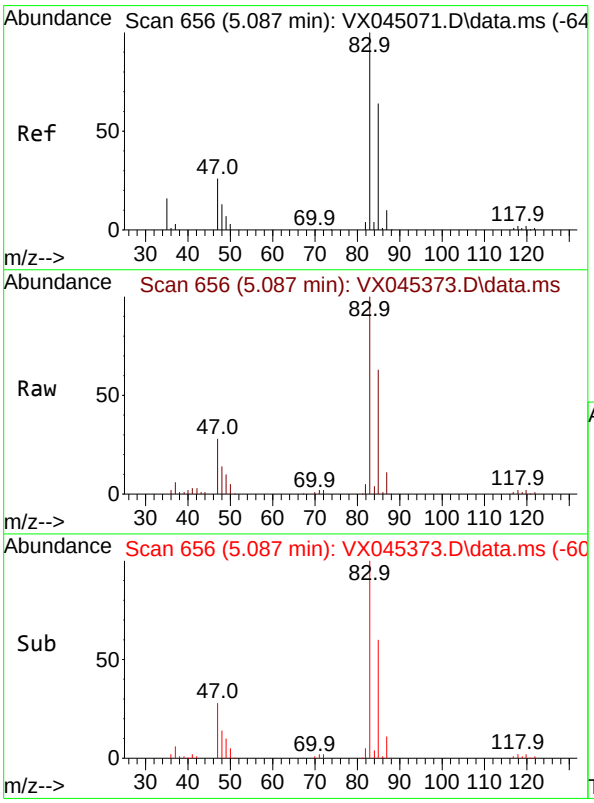
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	39.5	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

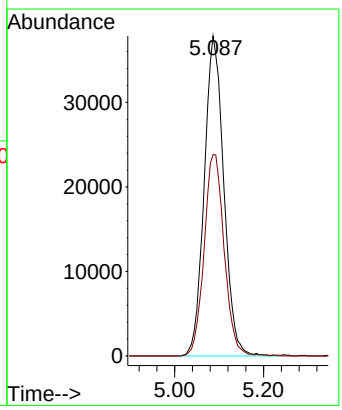
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

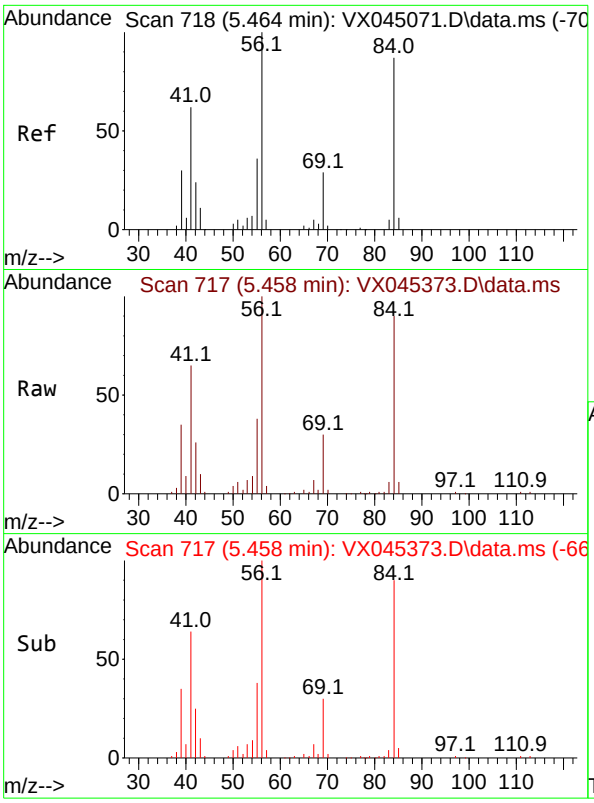


#30
Chloroform
Concen: 49.916 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 115671

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2

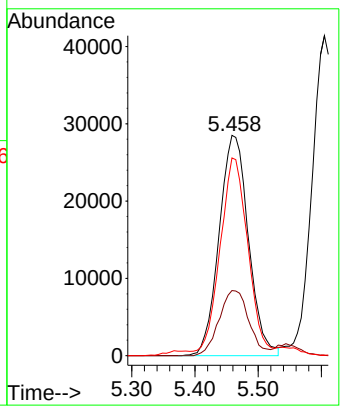




#31
Cyclohexane
Concen: 45.300 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 56 Resp: 9171

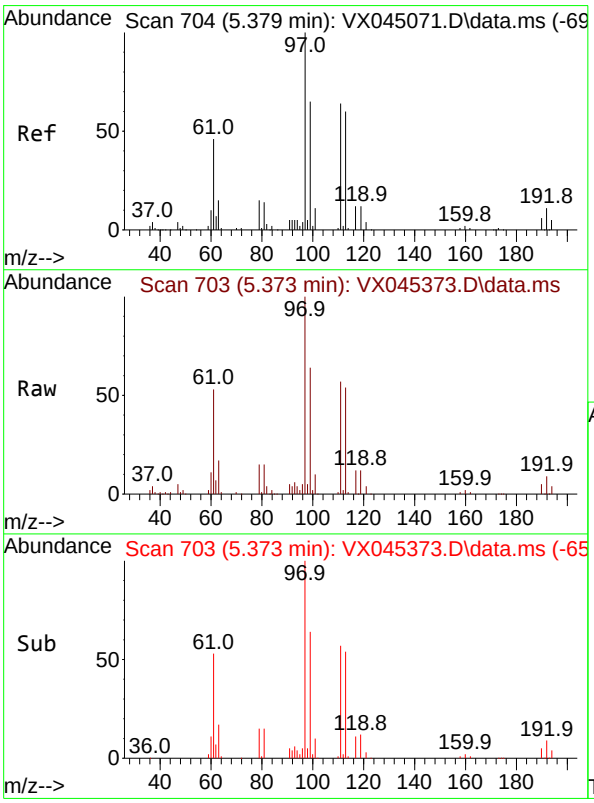
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	87.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

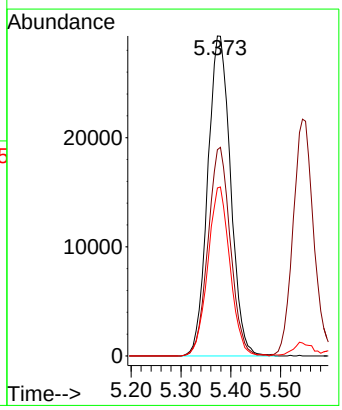
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

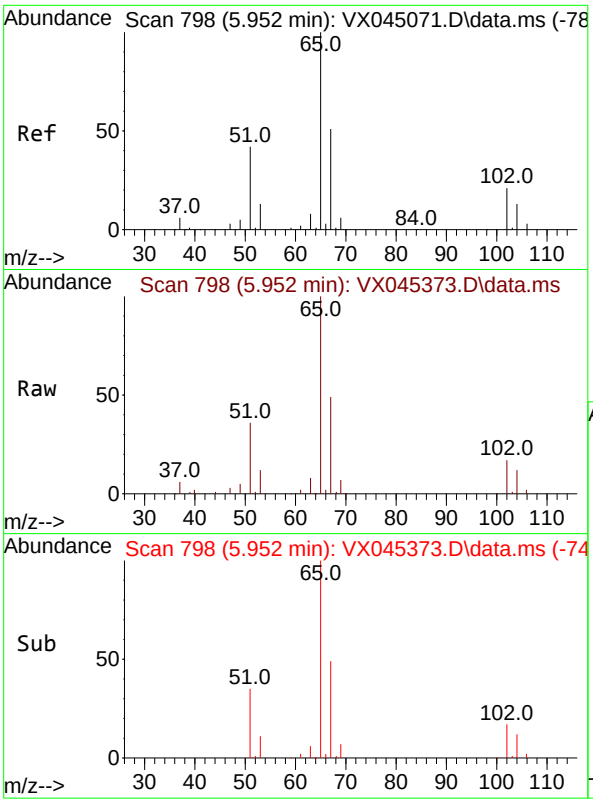


#32
1,1,1-Trichloroethane
Concen: 49.789 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 97 Resp: 93184

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.5	38.4	57.6

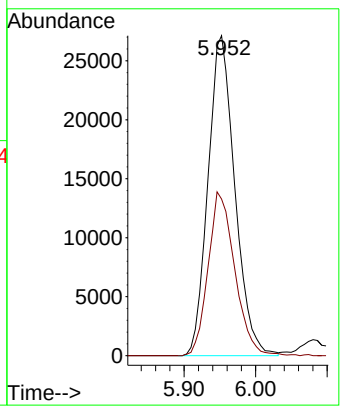




#33
1,2-Dichloroethane-d4
Concen: 47.472 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 65 Resp: 7063

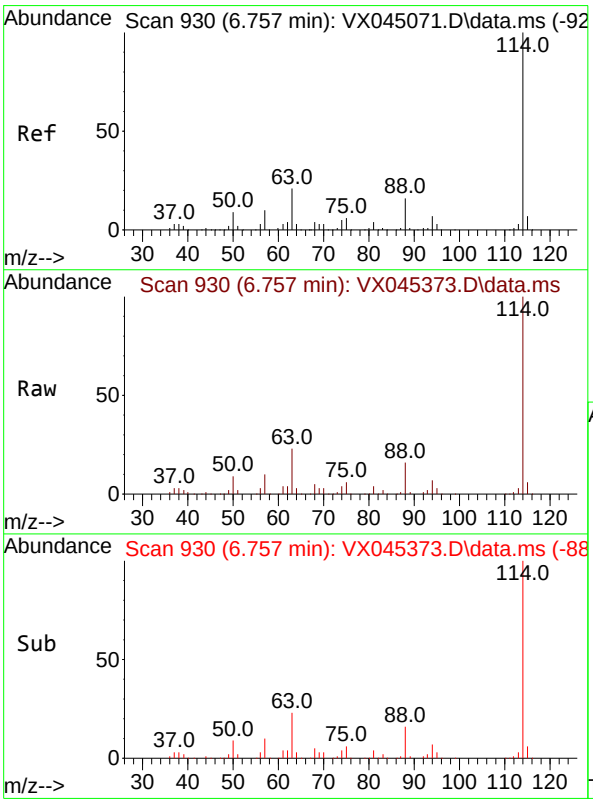
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

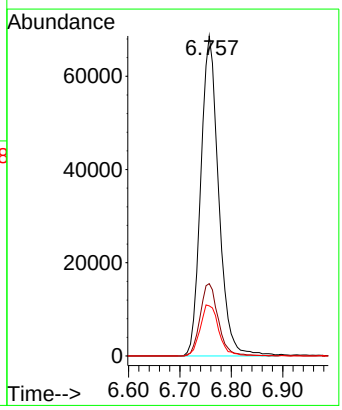
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

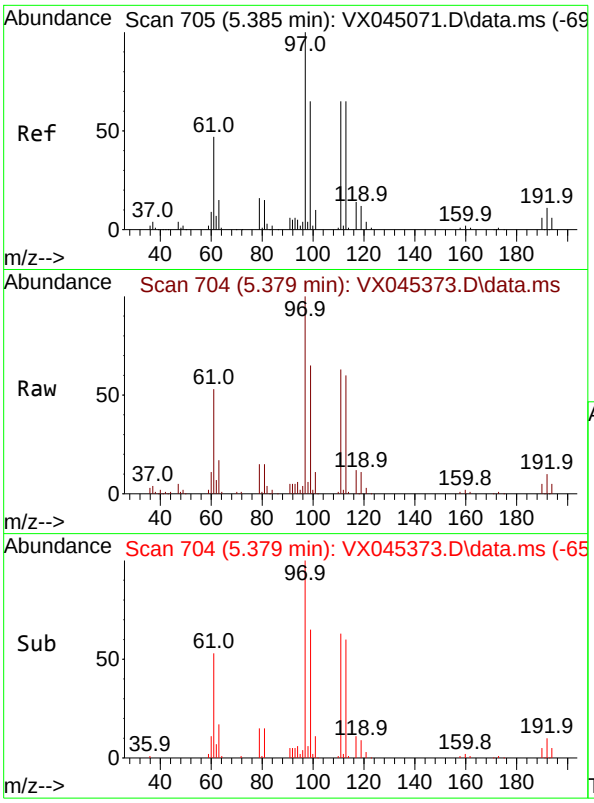


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:114 Resp: 165716

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	15.7	0.0	32.8

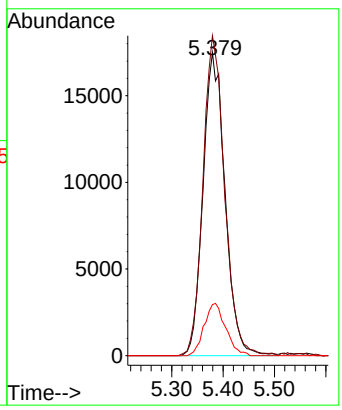




#35
Dibromofluoromethane
Concen: 46.935 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:113 Resp: 5200

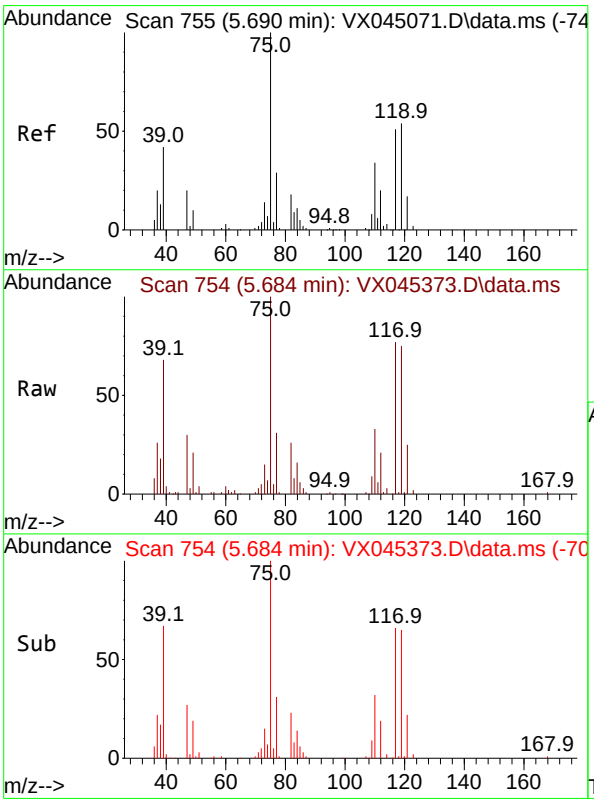
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	16.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

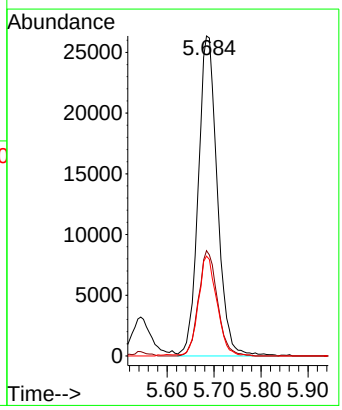
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

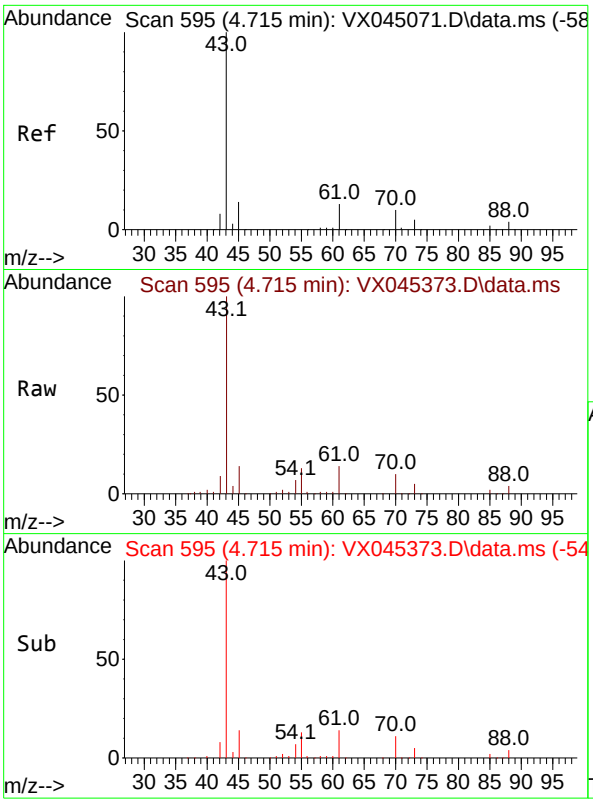


#36
1,1-Dichloropropene
Concen: 48.847 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 74230

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.6
77	30.4	24.5	36.7

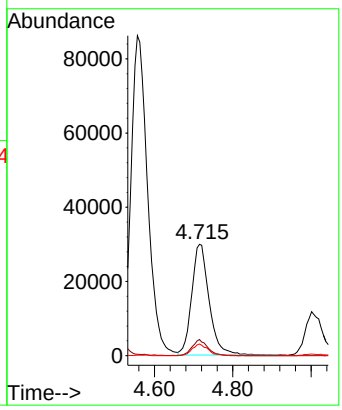




#37
Ethyl Acetate
Concen: 47.152 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 9233

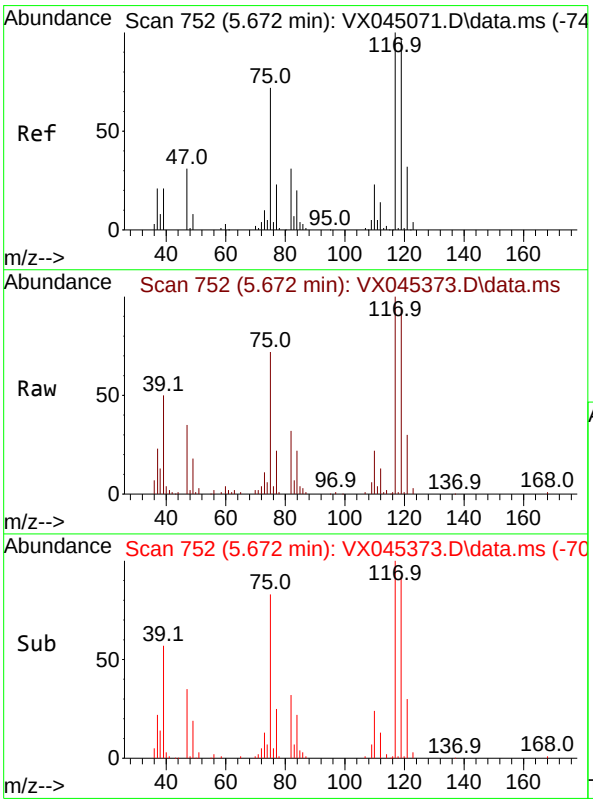
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

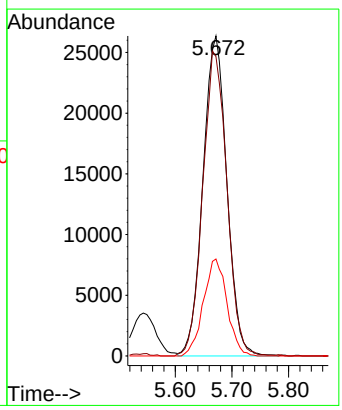
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

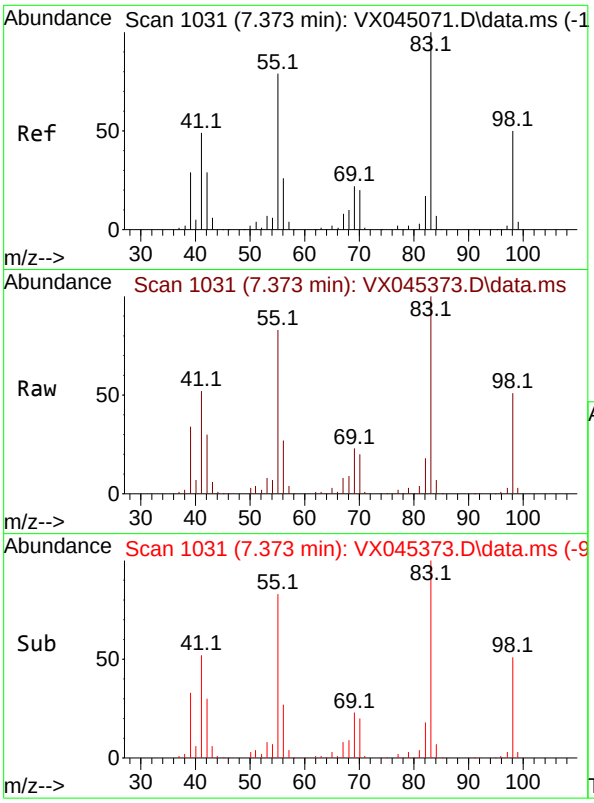


#38
Carbon Tetrachloride
Concen: 50.002 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 77143

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.7	115.1
121	30.3	25.5	38.3

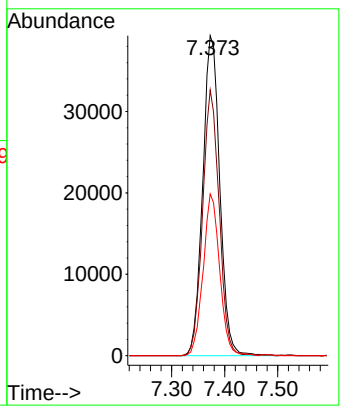




#39
Methylcyclohexane
Concen: 48.320 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 8798

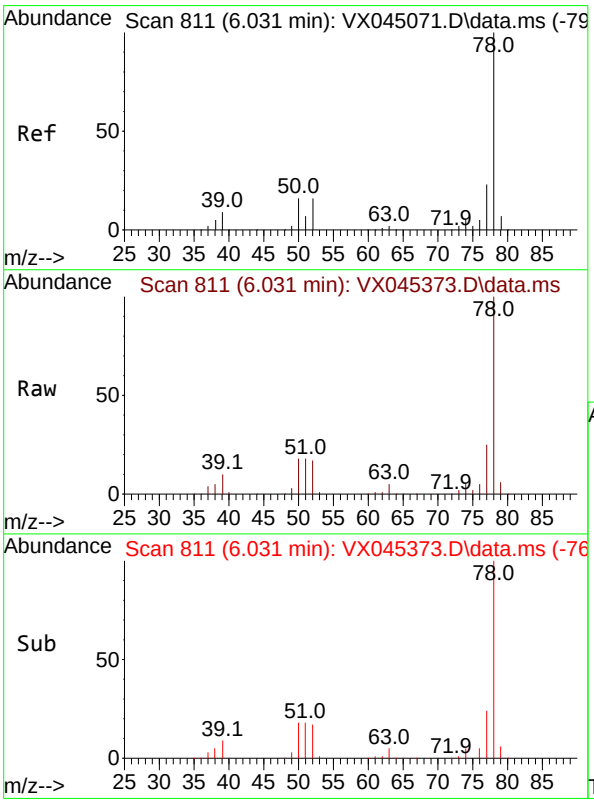
Ion	Ratio	Lower	Upper
83	100		
55	83.0	63.0	94.4
98	50.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

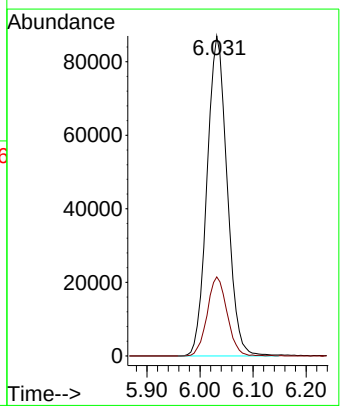
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

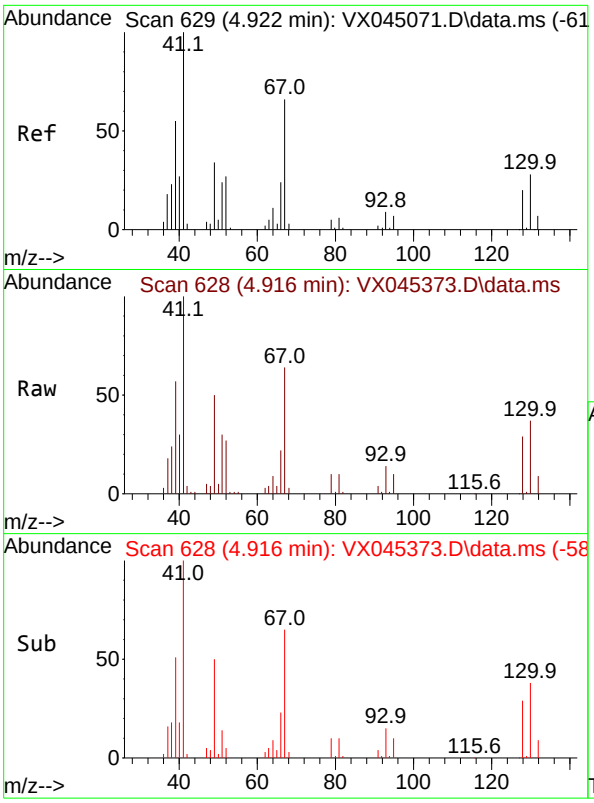


#40
Benzene
Concen: 47.823 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 78 Resp: 229488

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2

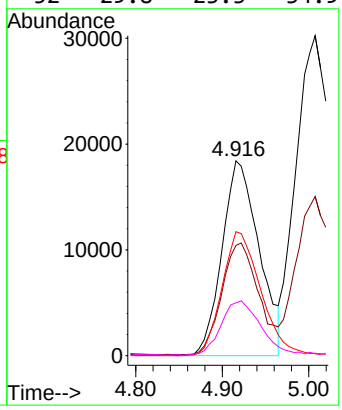




#41
Methacrylonitrile
Concen: 51.857 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 5490

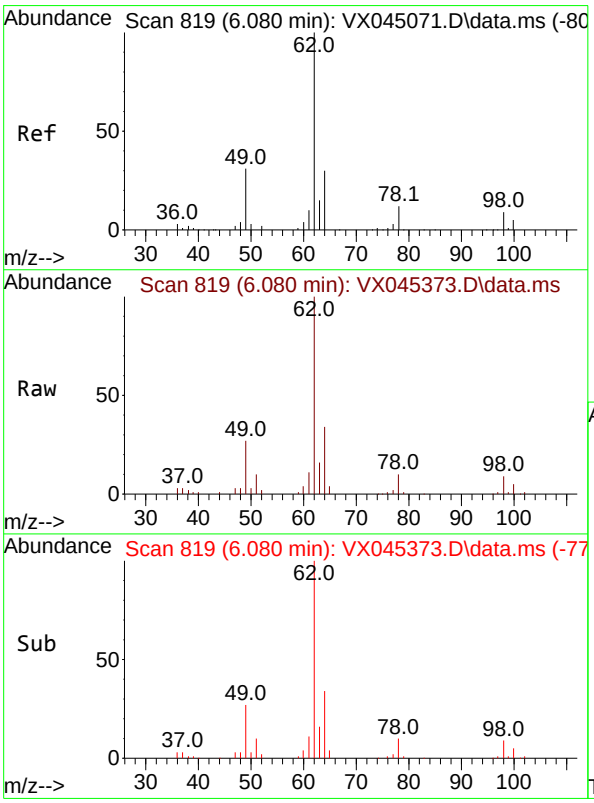
Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.6	67.0
67	66.5	53.9	80.9
52	29.8	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

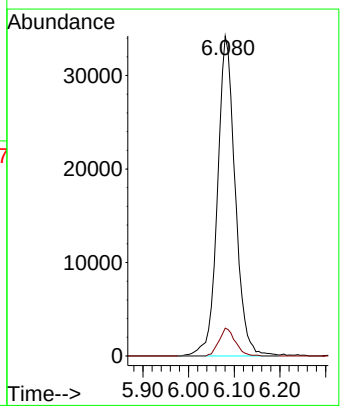
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

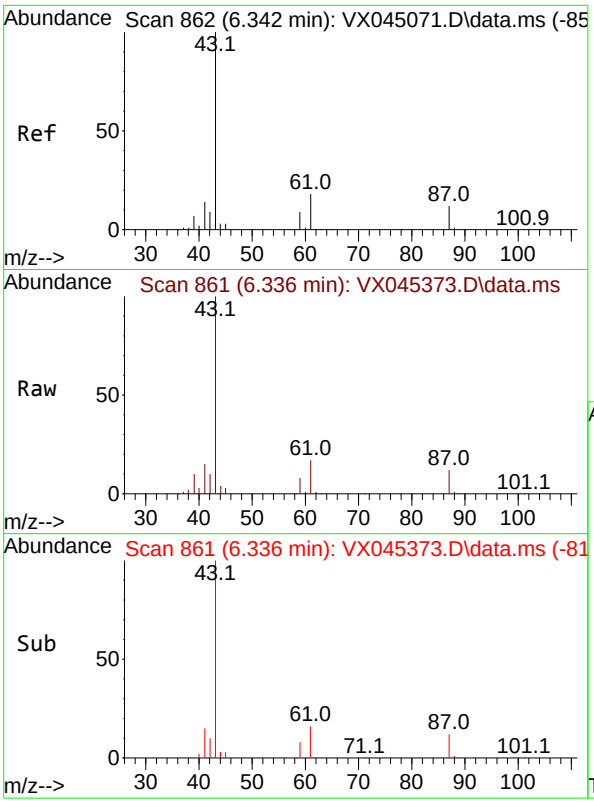


#42
1,2-Dichloroethane
Concen: 53.313 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 92126

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2

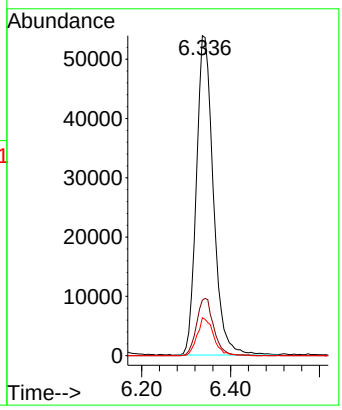




#43
Isopropyl Acetate
Concen: 49.361 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 14292

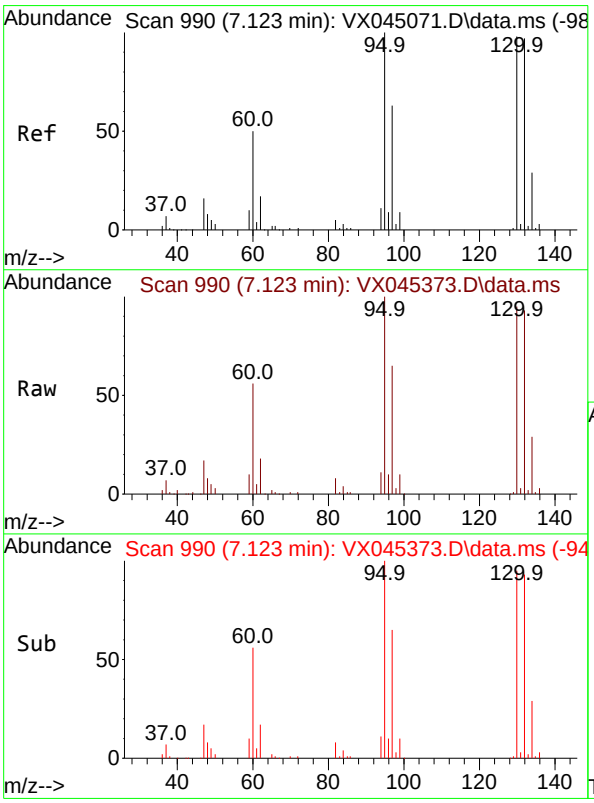
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.9	22.3
87	11.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

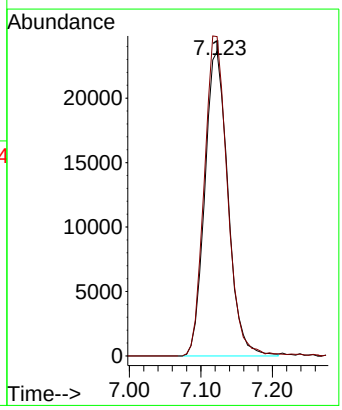
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

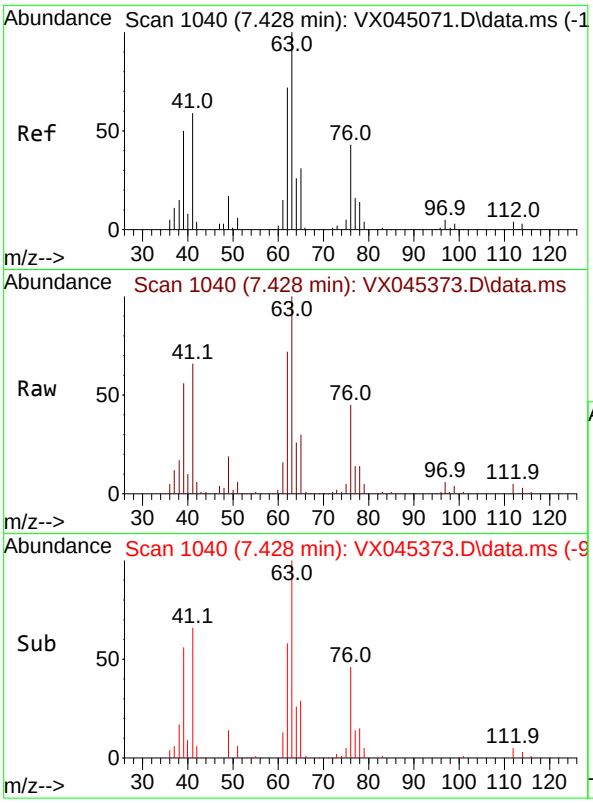


#44
Trichloroethene
Concen: 47.200 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:130 Resp: 53184

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	205.0

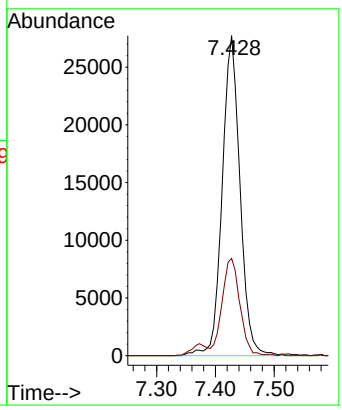




#45
1,2-Dichloropropane
Concen: 47.336 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 5840

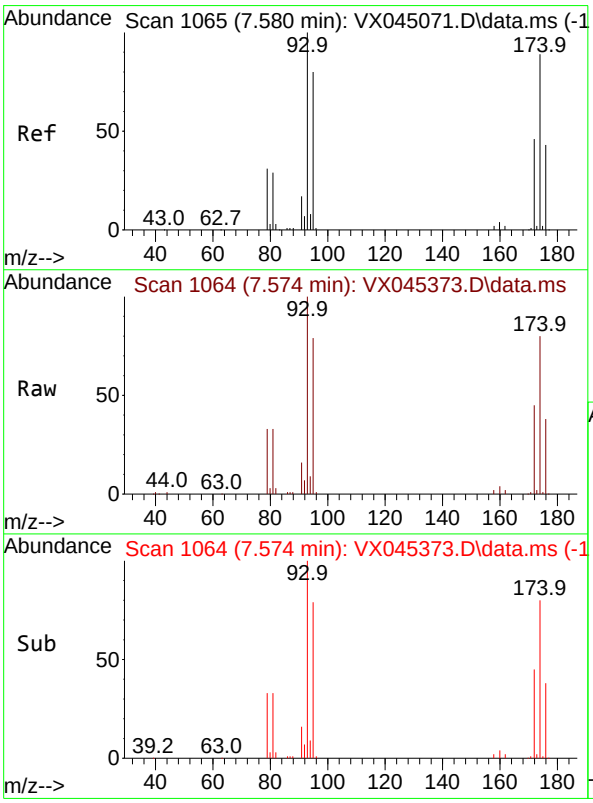
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

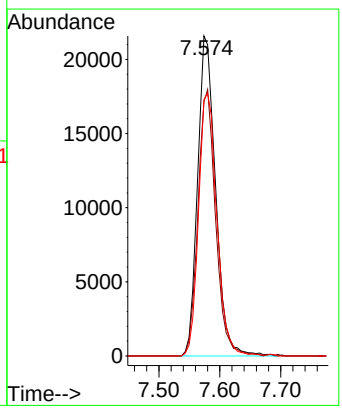
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

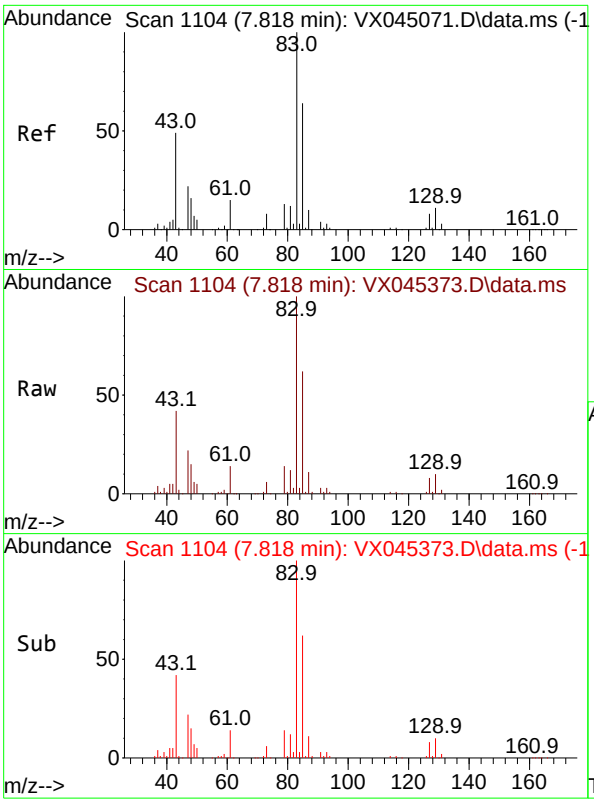


#46
Dibromomethane
Concen: 50.776 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 93 Resp: 44280

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.8	98.8
174	83.4	72.2	108.2

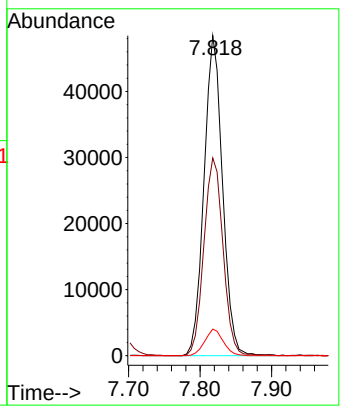




#47
Bromodichloromethane
Concen: 50.921 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 8710

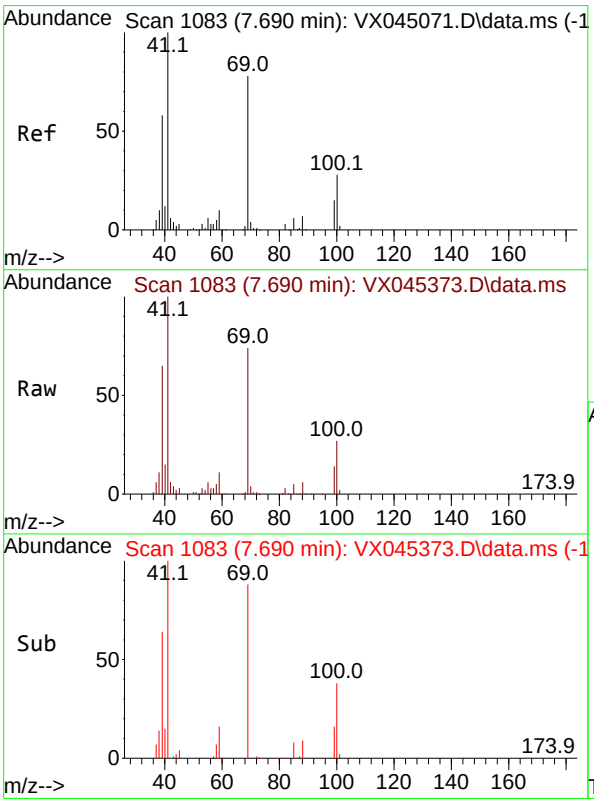
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

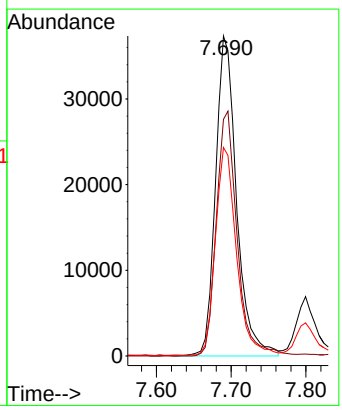
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

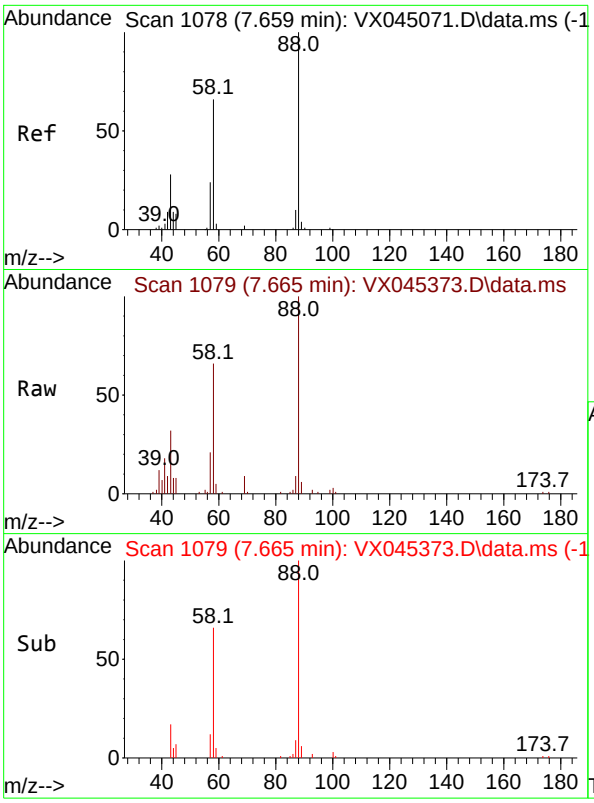


#48
Methyl methacrylate
Concen: 50.381 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 73187

Ion	Ratio	Lower	Upper
41	100		
69	75.7	63.0	94.6
39	64.9	47.5	71.3





#49
1,4-Dioxane
Concen: 799.865 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

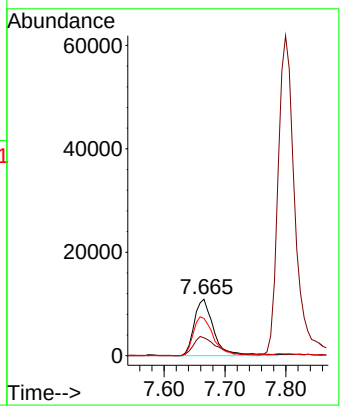
Tgt Ion: 88 Resp: 2451

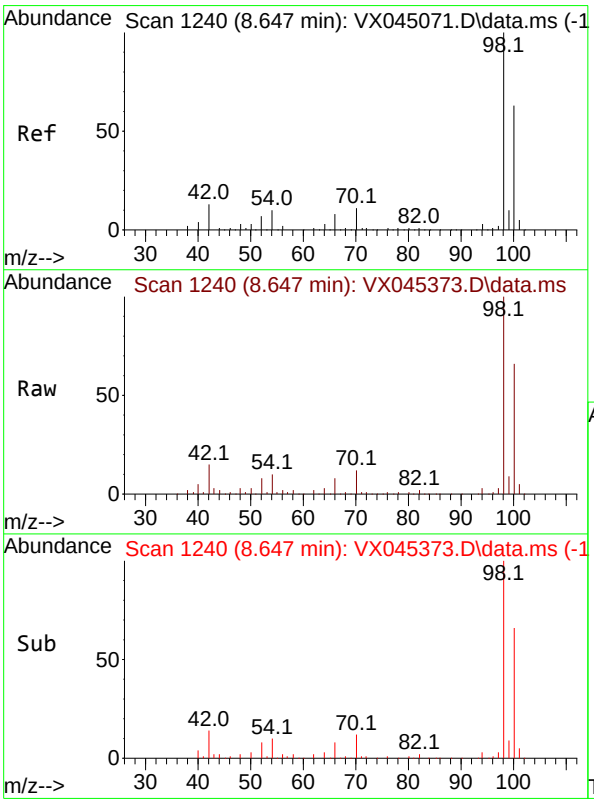
Ion	Ratio	Lower	Upper
88	100		
43	41.0	28.7	43.1
58	69.1	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

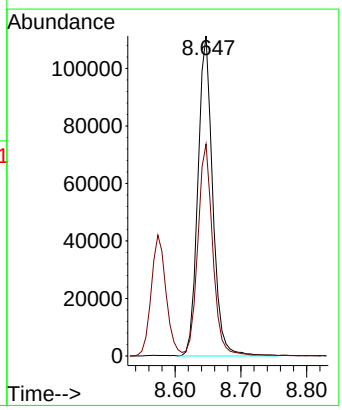


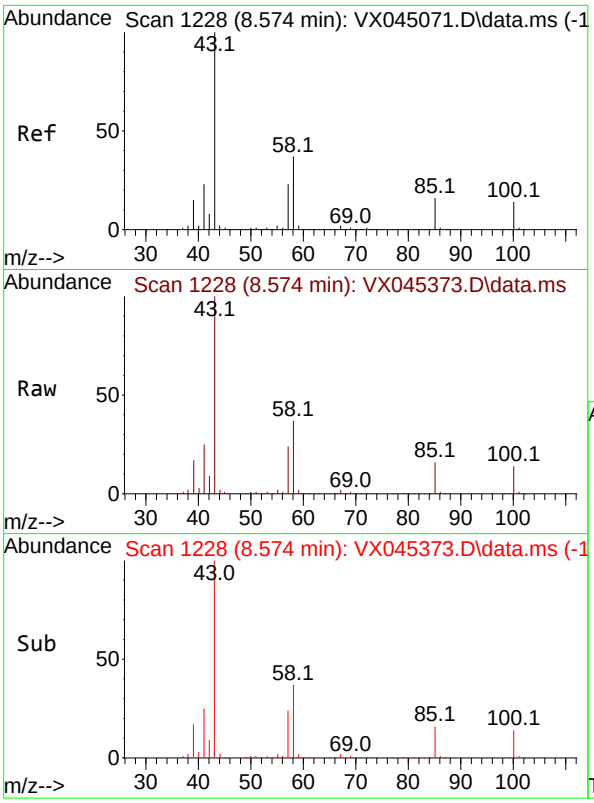


#50
Toluene-d8
Concen: 43.410 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 98 Resp: 174390

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.0	78.0

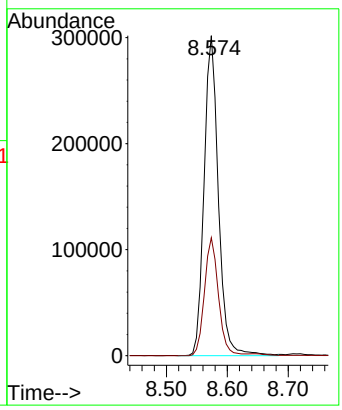




#51
4-Methyl-2-Pentanone
Concen: 252.898 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 49168

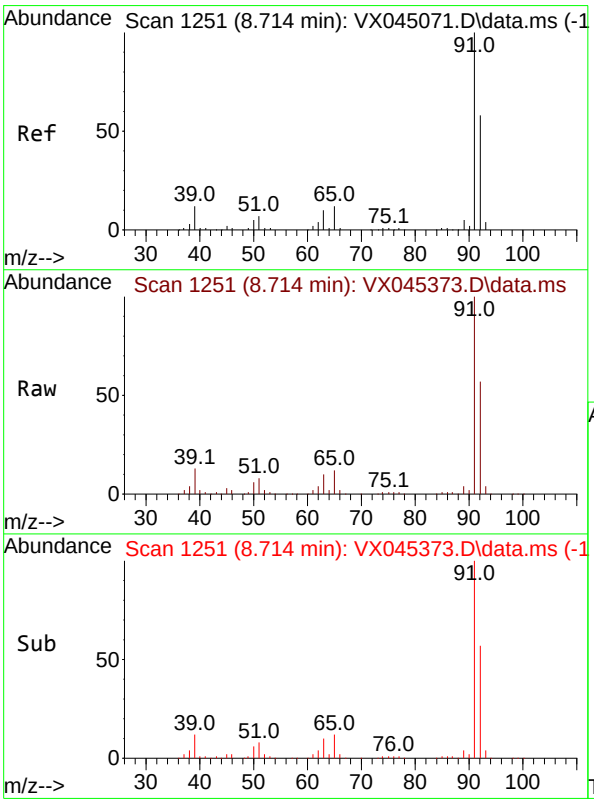
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

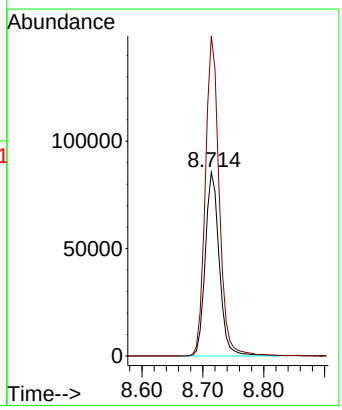
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

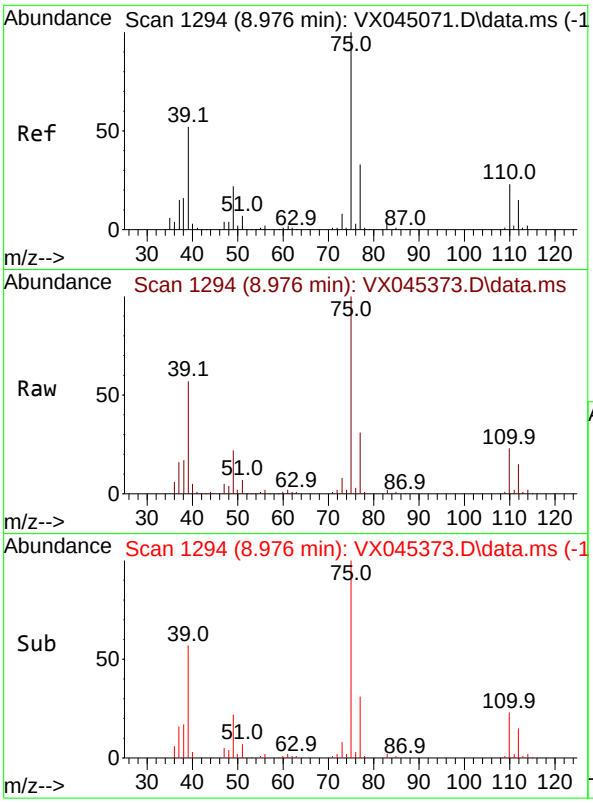


#52
Toluene
Concen: 48.708 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 92 Resp: 137136

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.9	208.3

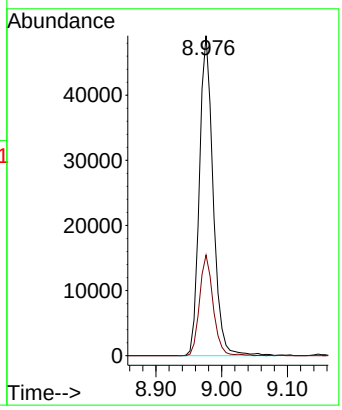




#53
t-1,3-Dichloropropene
Concen: 50.020 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 7152

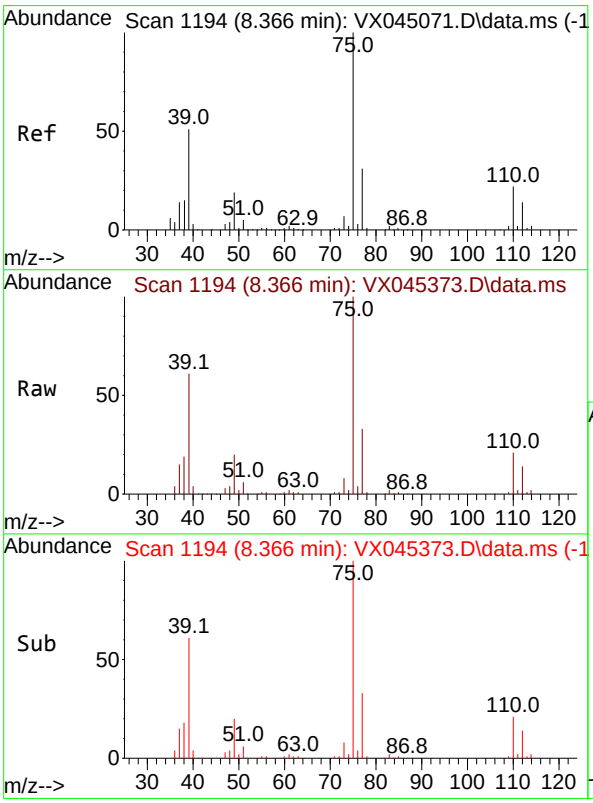
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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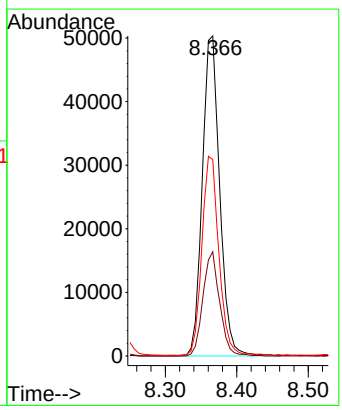
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

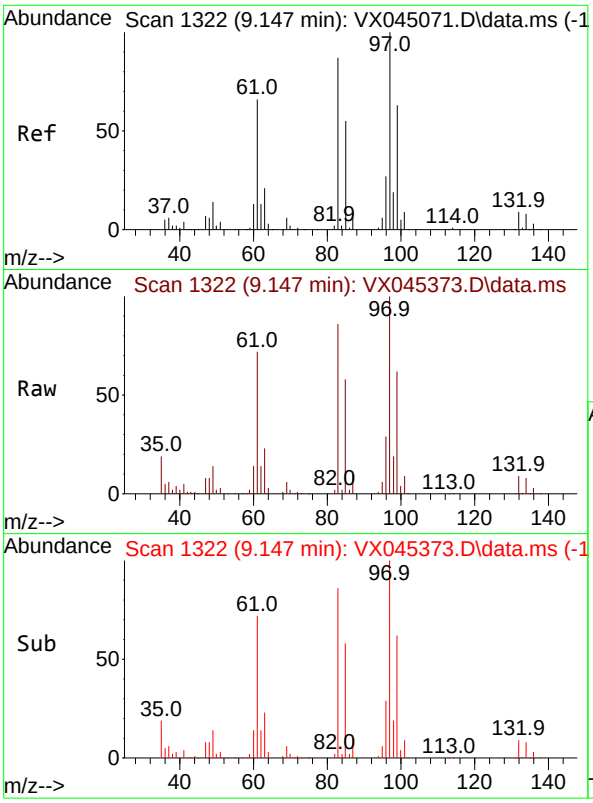


#54
cis-1,3-Dichloropropene
Concen: 50.990 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 85027

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.7	37.1
39	61.2	40.7	61.1#

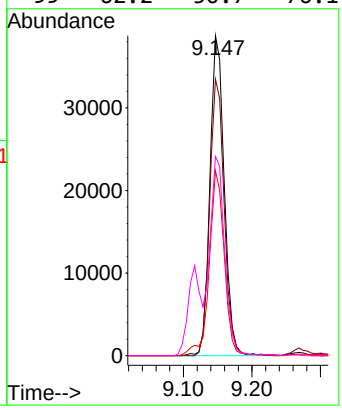




#55
1,1,2-Trichloroethane
Concen: 48.680 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 97 Resp: 5642

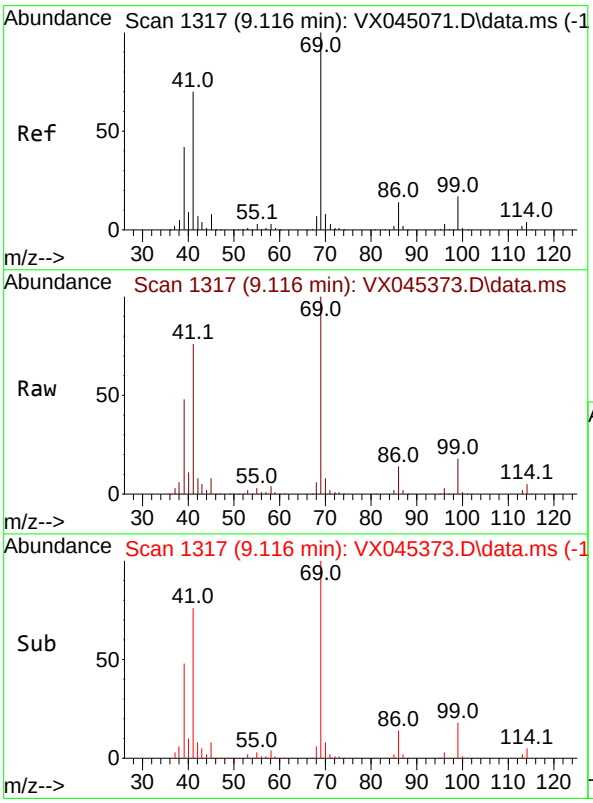
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	57.8	44.1	66.1
99	62.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

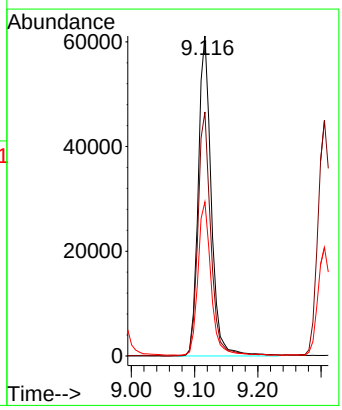
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

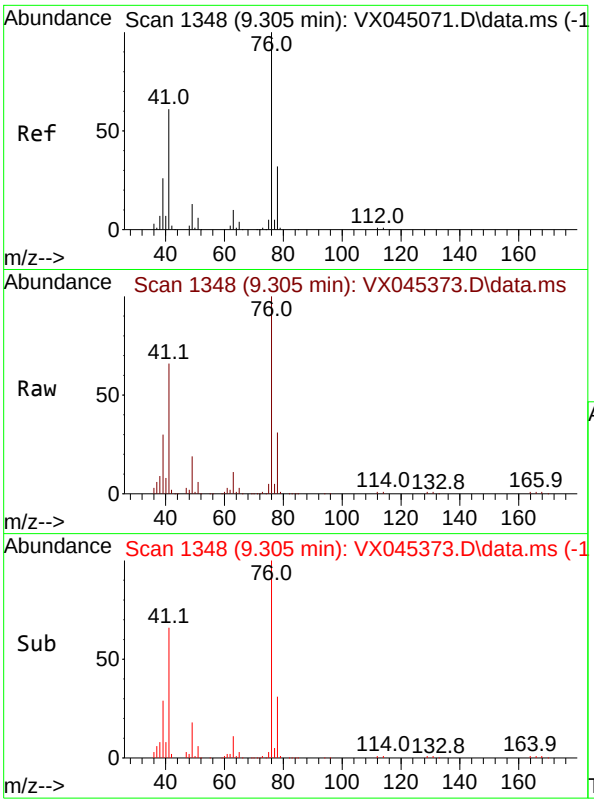


#56
Ethyl methacrylate
Concen: 49.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 69 Resp: 87573

Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.0	85.4
39	48.1	34.2	51.4

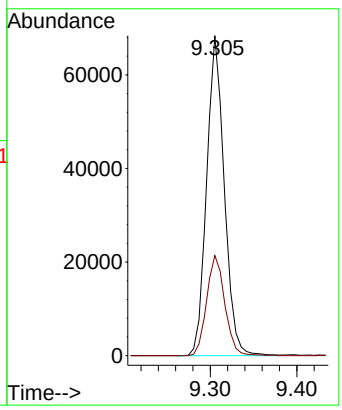




#57
1,3-Dichloropropane
Concen: 48.163 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 76 Resp: 9660

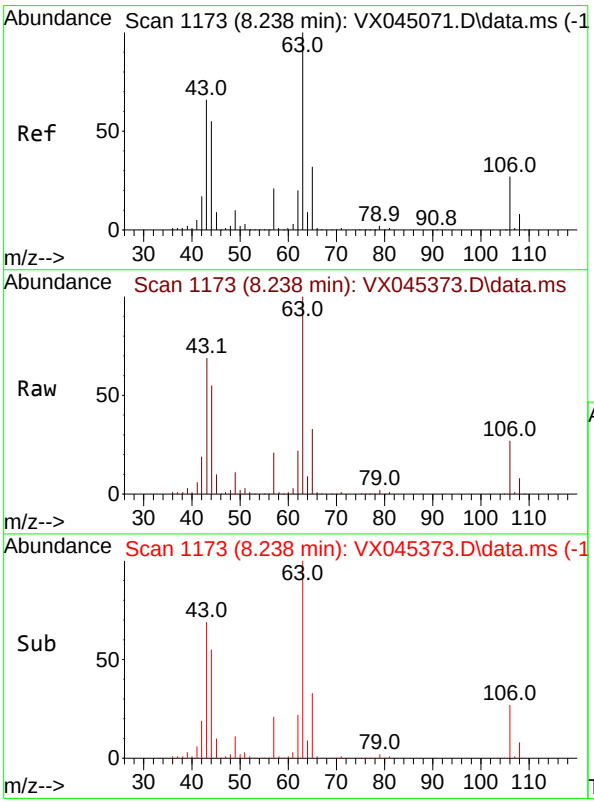
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

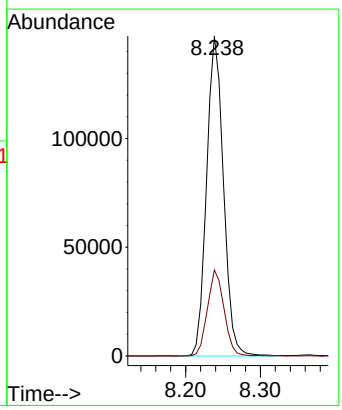
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

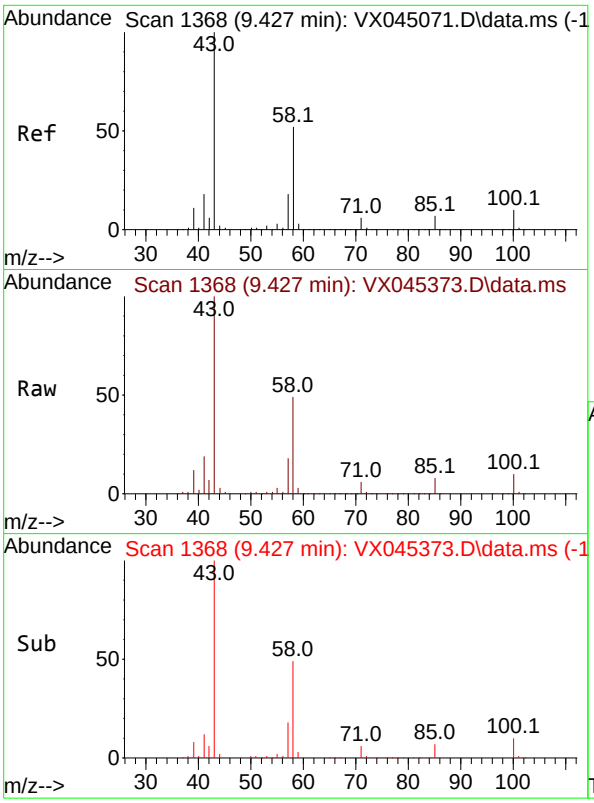


#58
2-Chloroethyl Vinyl ether
Concen: 268.242 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 230541

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 254.850 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

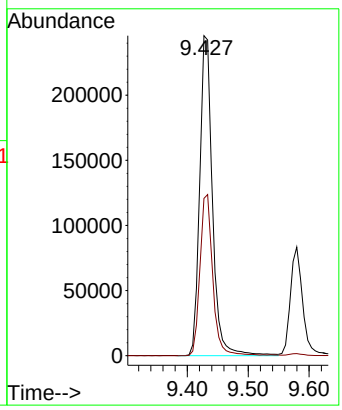
Tgt Ion: 43 Resp: 35899

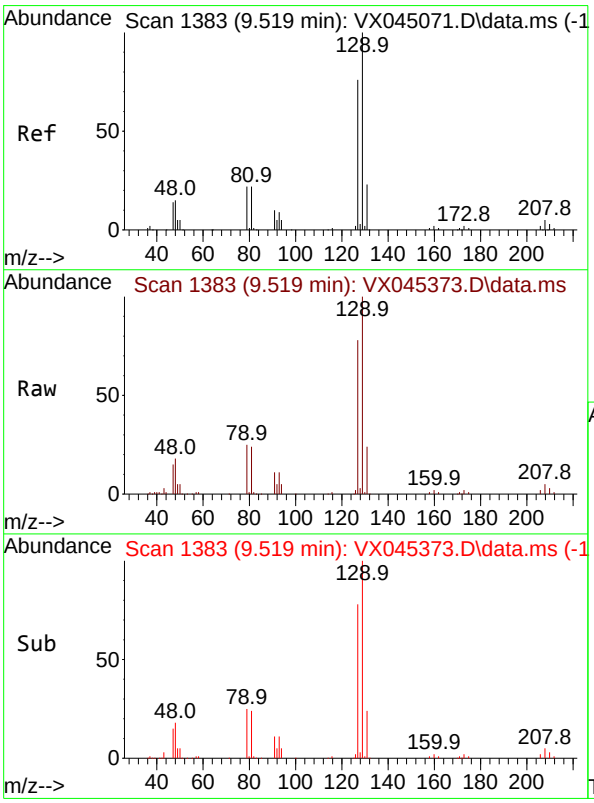
Ion	Ratio	Lower	Upper
43	100		
58	50.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

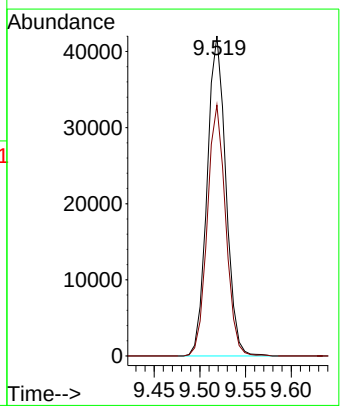


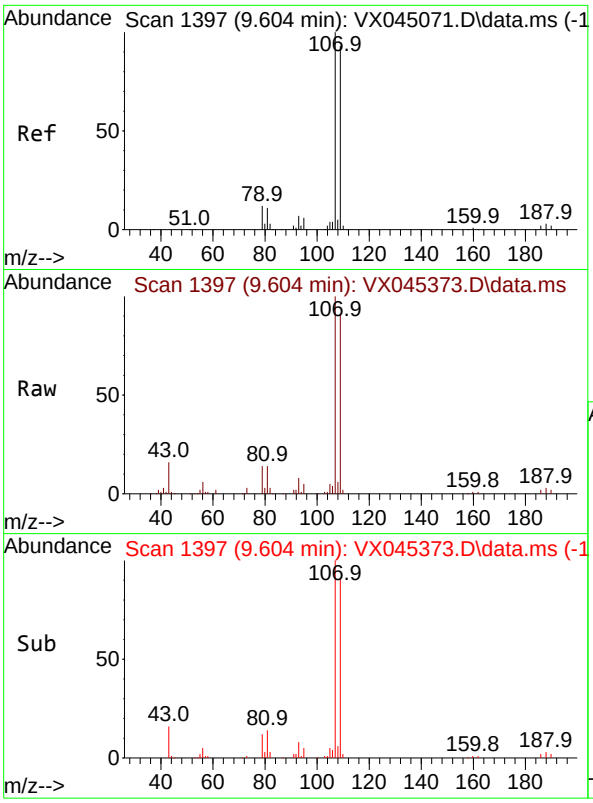


#60
Dibromochloromethane
Concen: 49.346 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:129 Resp: 59803

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5

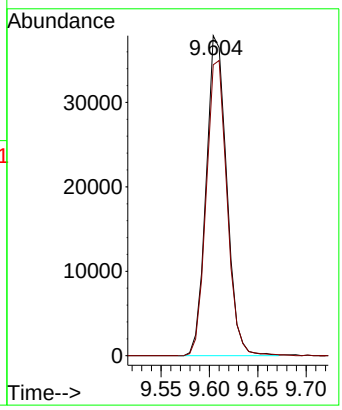




#61
1,2-Dibromoethane
Concen: 48.470 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:107 Resp: 5608

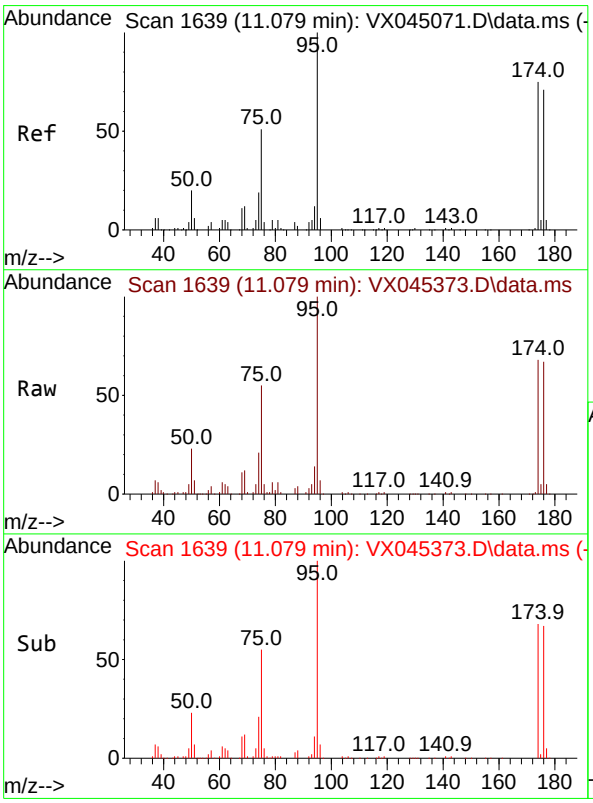
Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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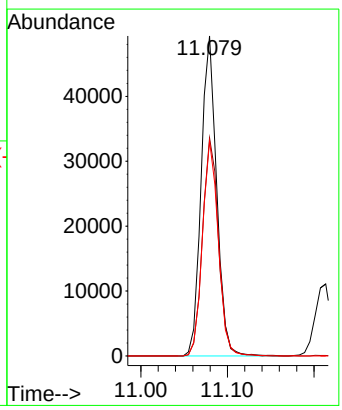
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

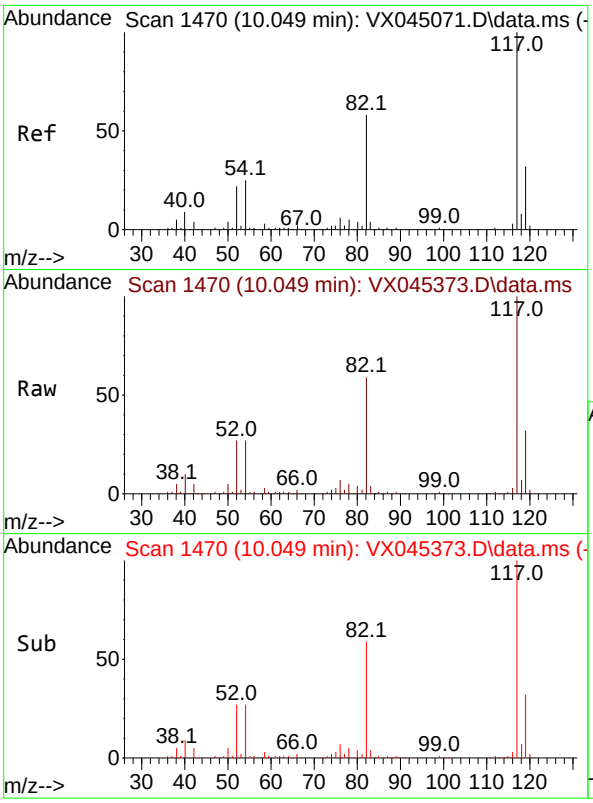


#62
4-Bromofluorobenzene
Concen: 46.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 95 Resp: 61298

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	68.5	0.0	141.4

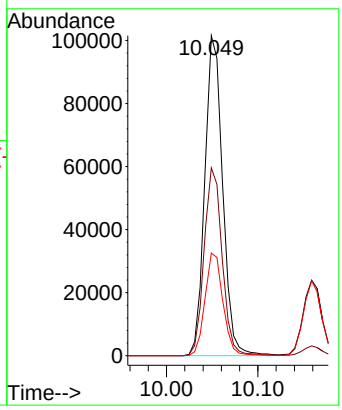




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 13768

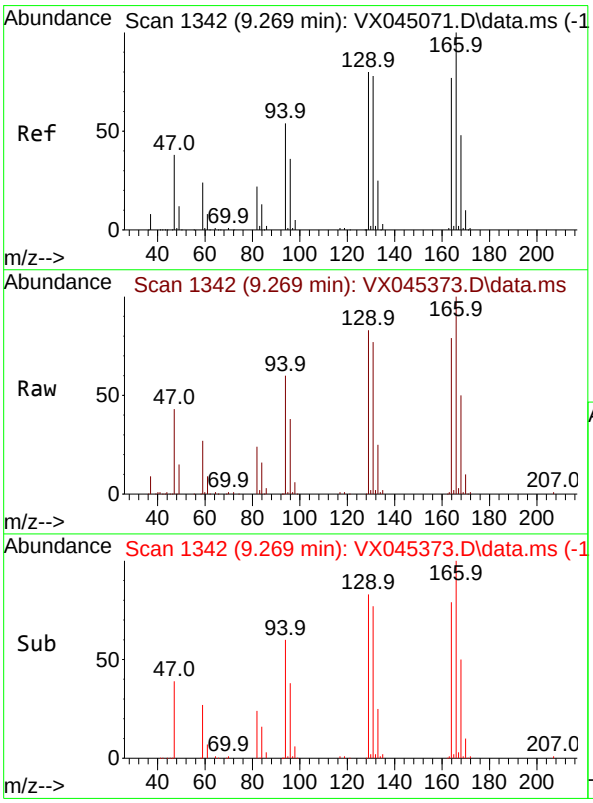
Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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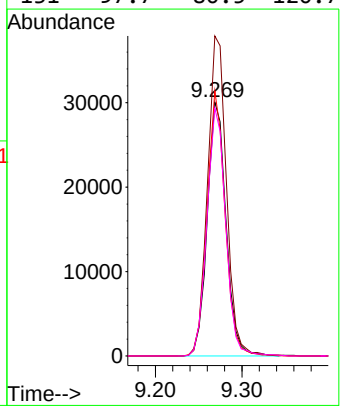
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

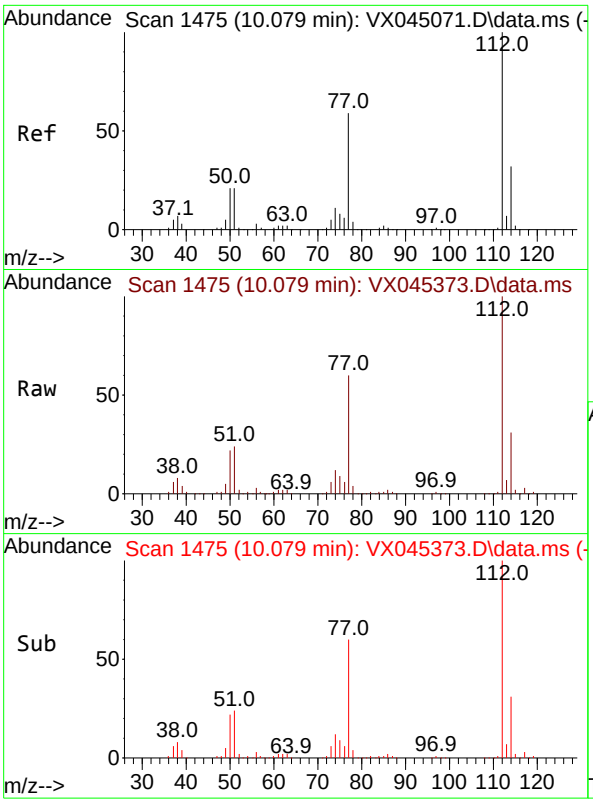


#64
Tetrachloroethene
Concen: 51.351 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:164 Resp: 45283

Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.6	155.4
129	104.4	82.7	124.1
131	97.7	80.5	120.7

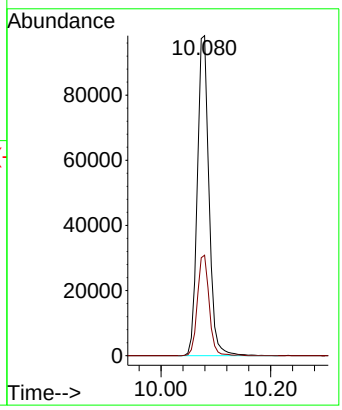




#65
Chlorobenzene
Concen: 49.767 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:112 Resp: 14499

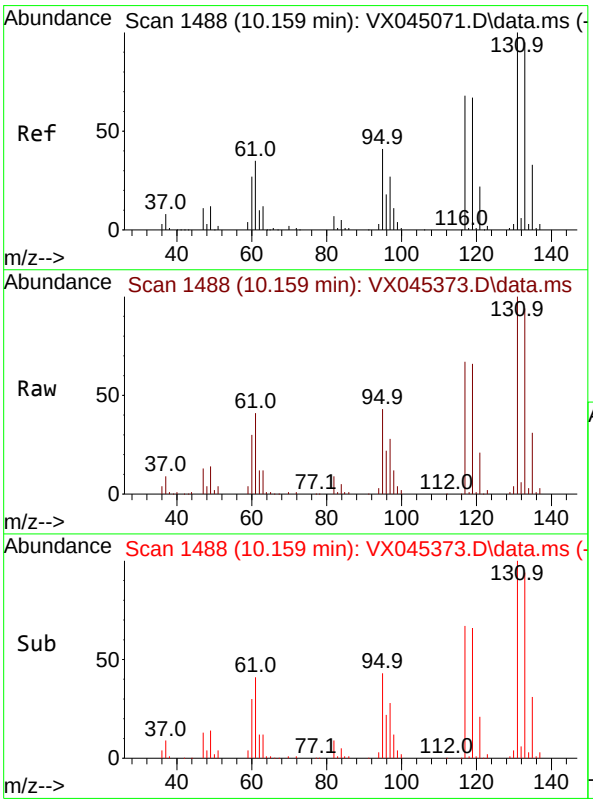
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

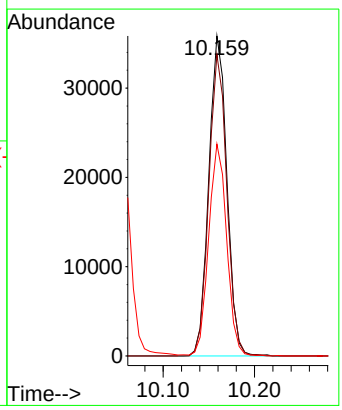
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

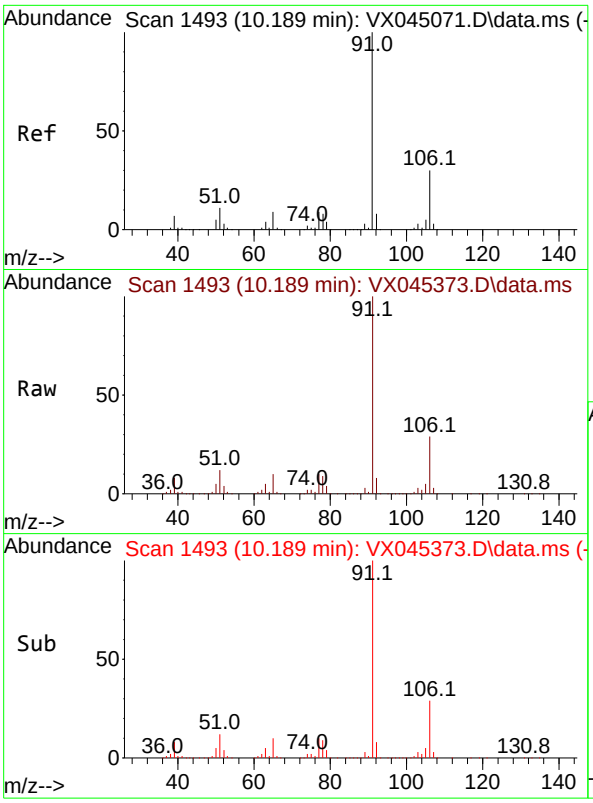


#66
1,1,1,2-Tetrachloroethane
Concen: 50.843 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:131 Resp: 49330

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 51.160 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

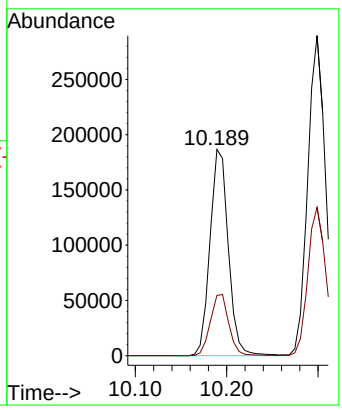
Tgt Ion: 91 Resp: 25971

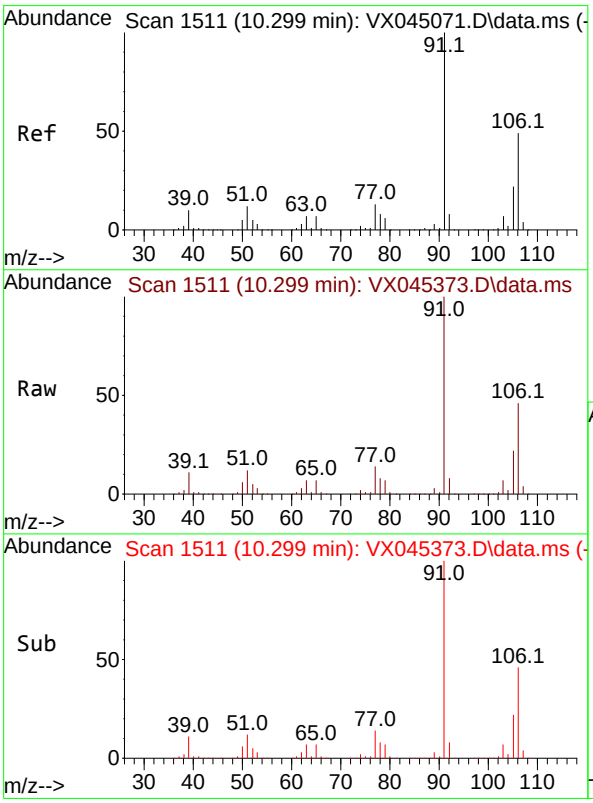
Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

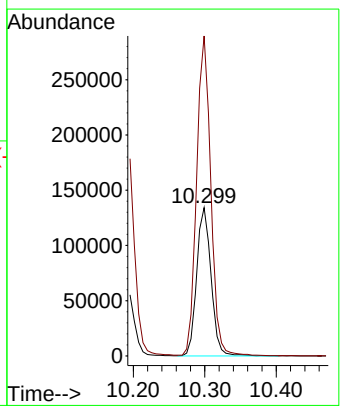


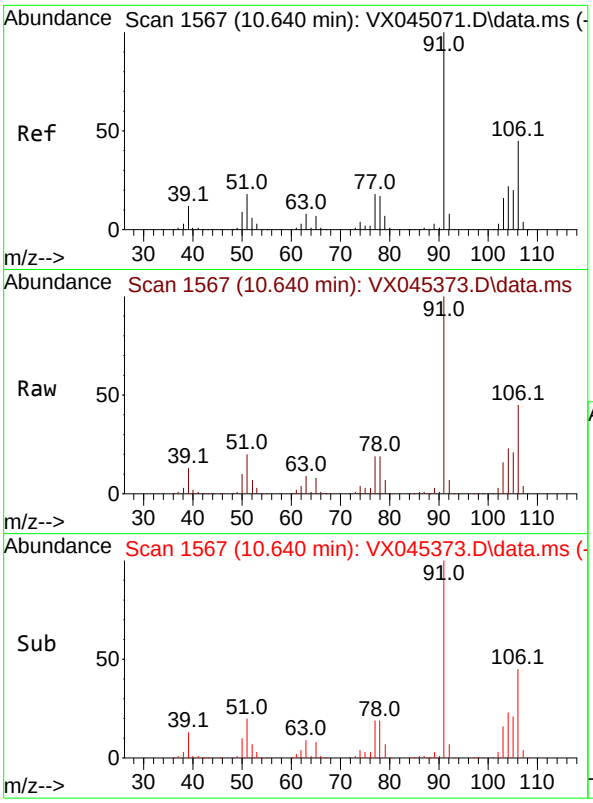


#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:106 Resp: 186973

Ion	Ratio	Lower	Upper
106	100		
91	213.8	165.4	248.0

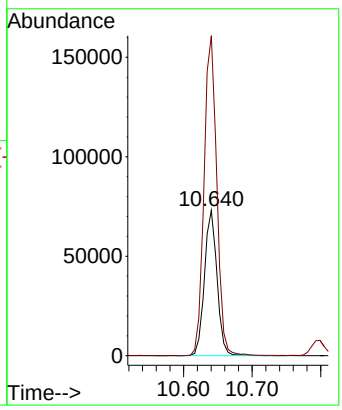




#69
o-Xylene
Concen: 49.785 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:106 Resp: 9331

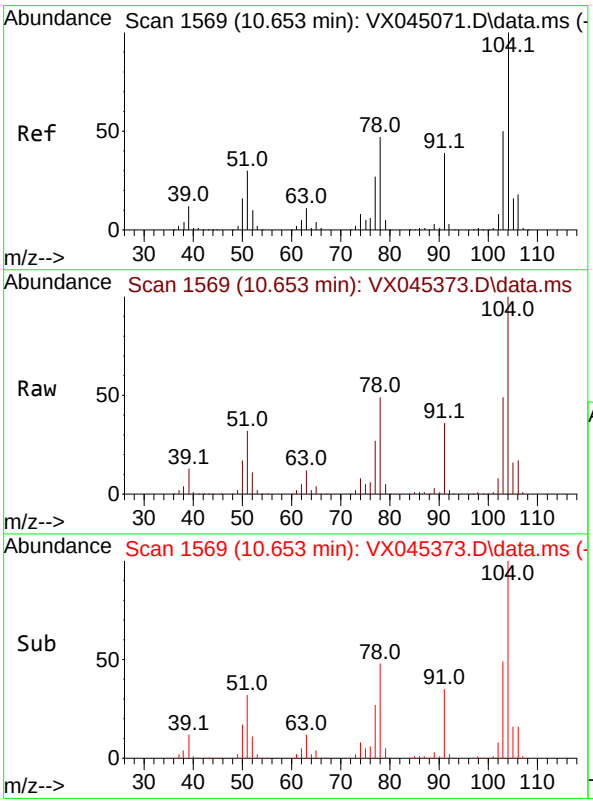
Ion	Ratio	Lower	Upper
106	100		
91	223.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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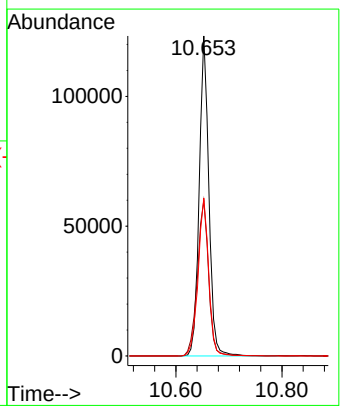
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

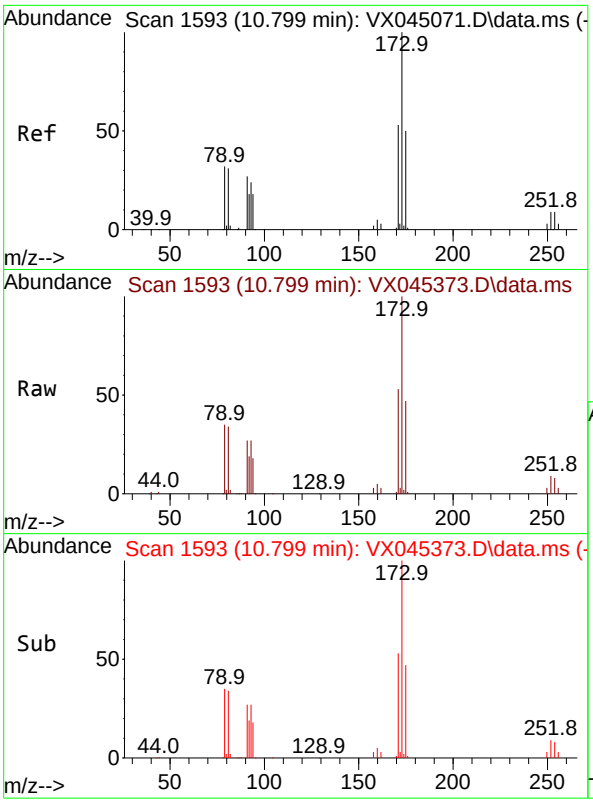


#70
Styrene
Concen: 51.533 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:104 Resp: 156285

Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.2	63.4
103	54.6	43.8	65.8

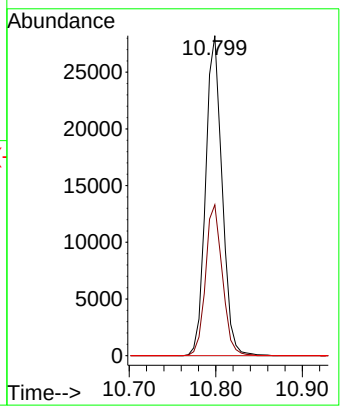




#71
Bromoform
Concen: 51.008 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

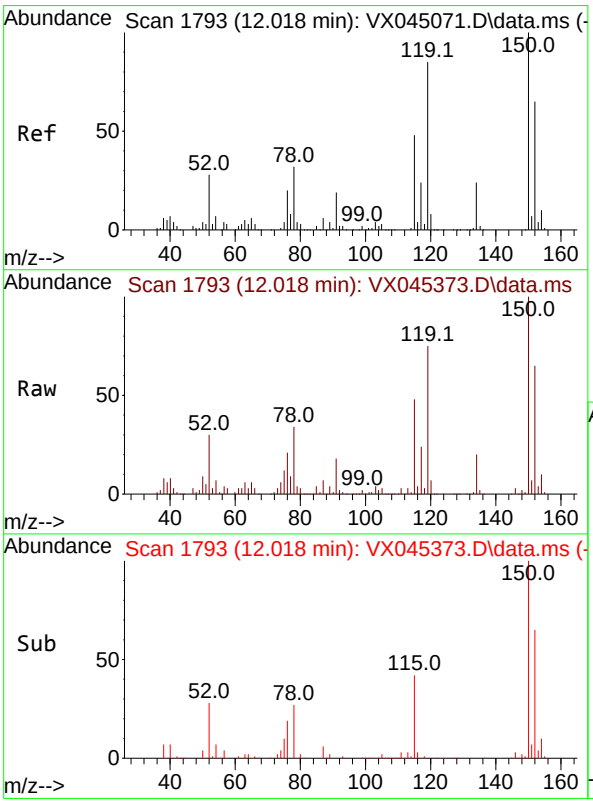
Tgt Ion:173 Resp: 3732

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

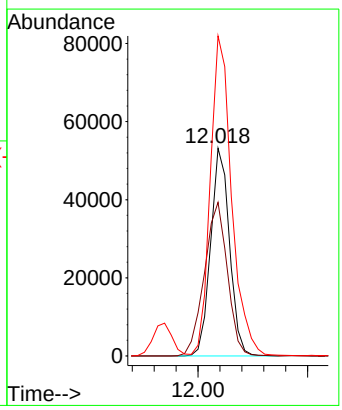
Manual Integrations APPROVED
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

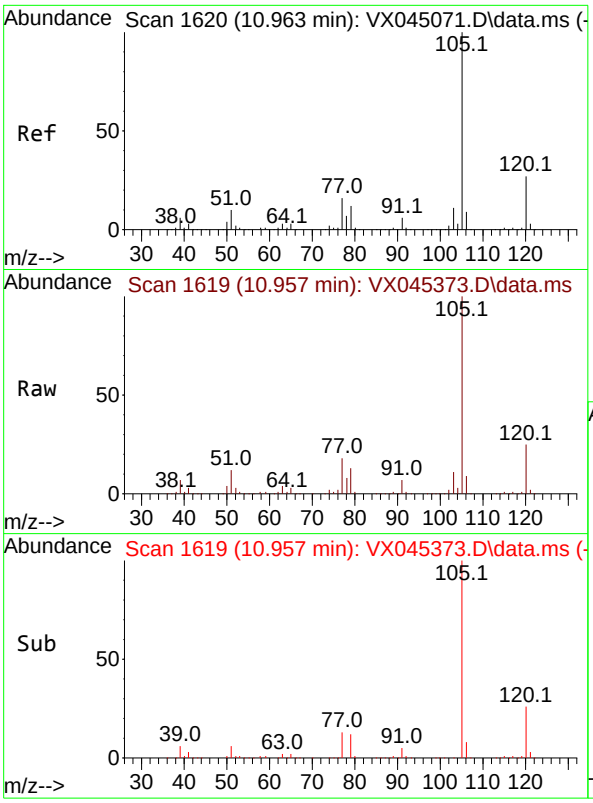


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:152 Resp: 63601

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.9	0.0	349.0

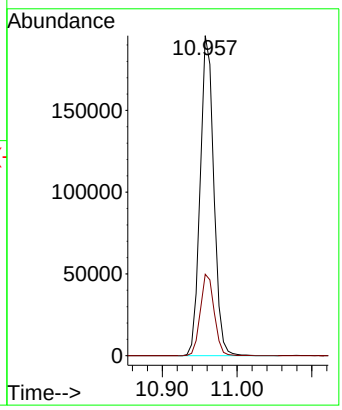




#73
Isopropylbenzene
Concen: 49.801 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 24722

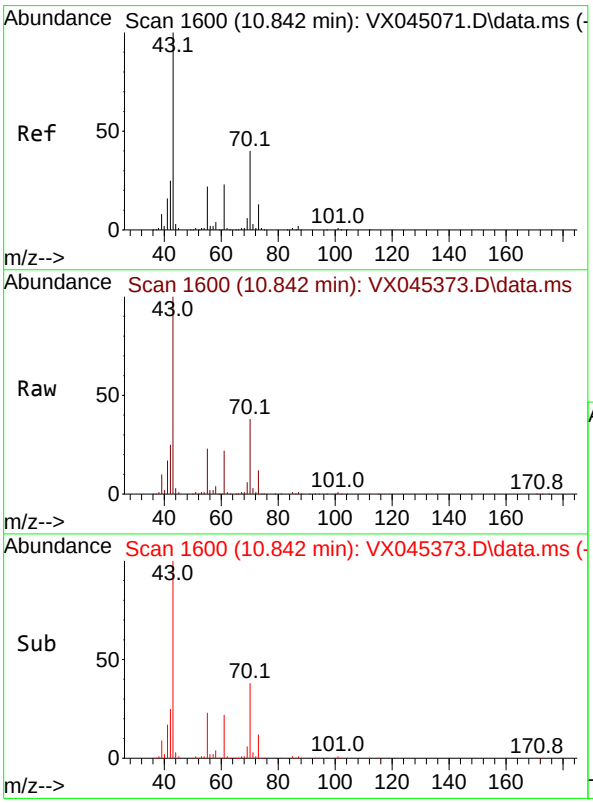
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

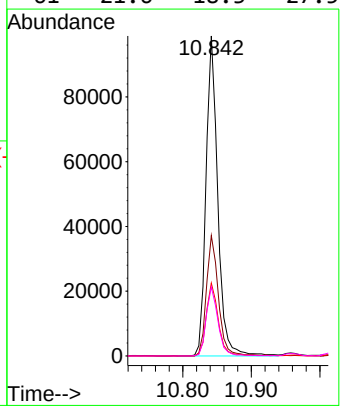
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

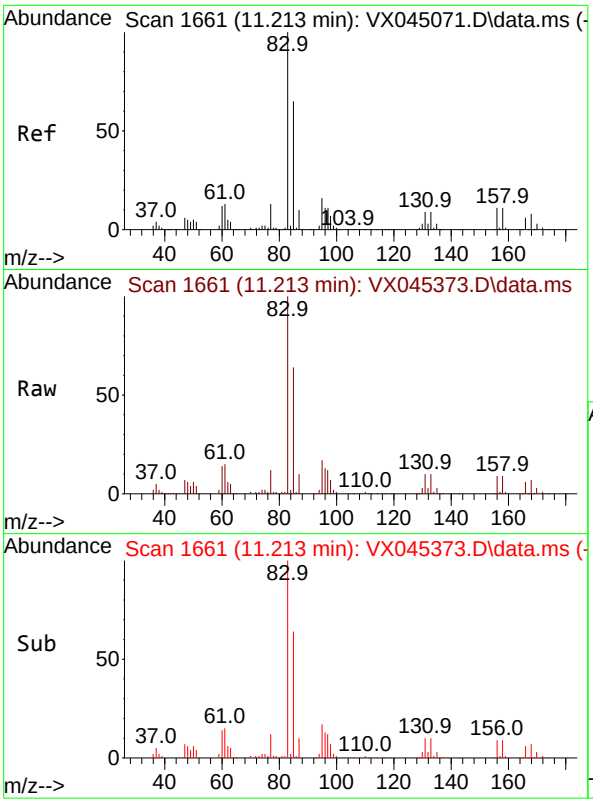


#74
N-amyl acetate
Concen: 50.753 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 118224

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	23.6	18.3	27.5
61	21.6	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 48.314 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

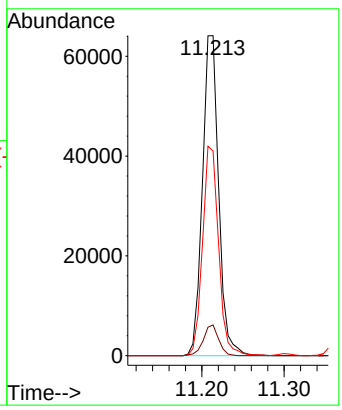
Tgt Ion: 83 Resp: 8801

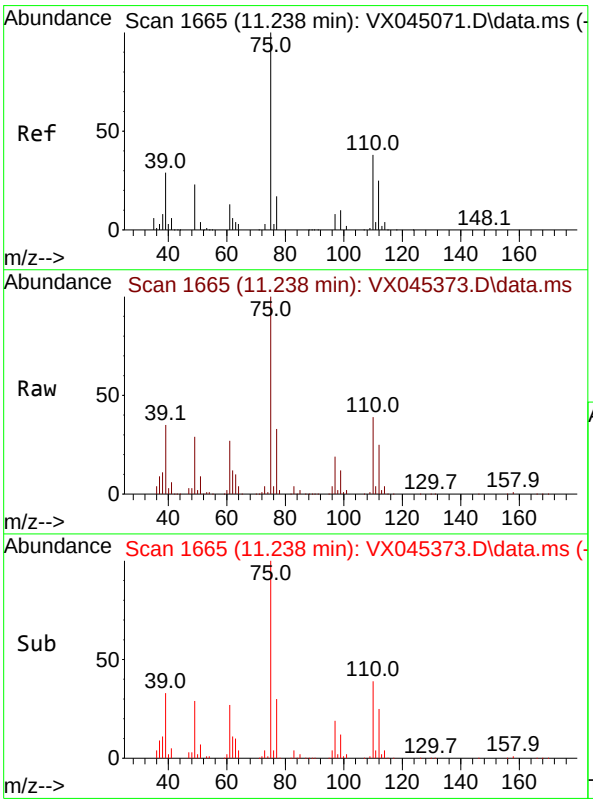
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.6	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

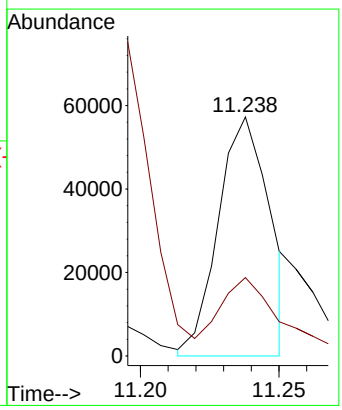


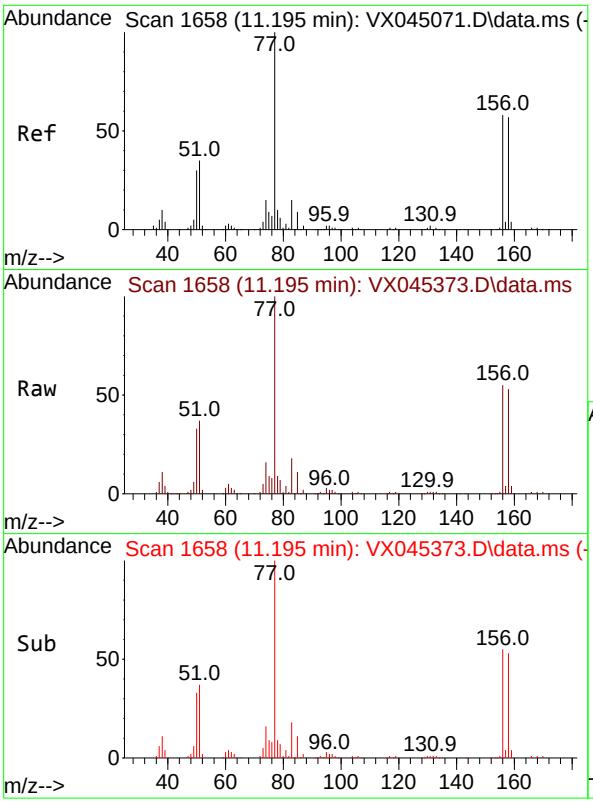


#76
1,2,3-Trichloropropane
Concen: 49.810 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 73735

Ion	Ratio	Lower	Upper
75	100		
77	39.7	20.7	62.1

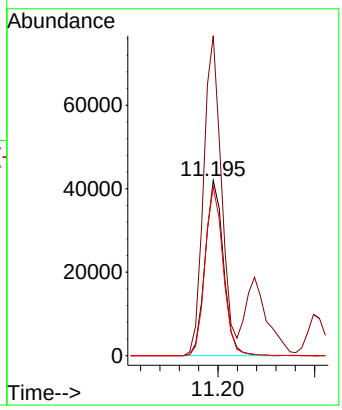




#77
Bromobenzene
Concen: 47.066 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:156 Resp: 5512

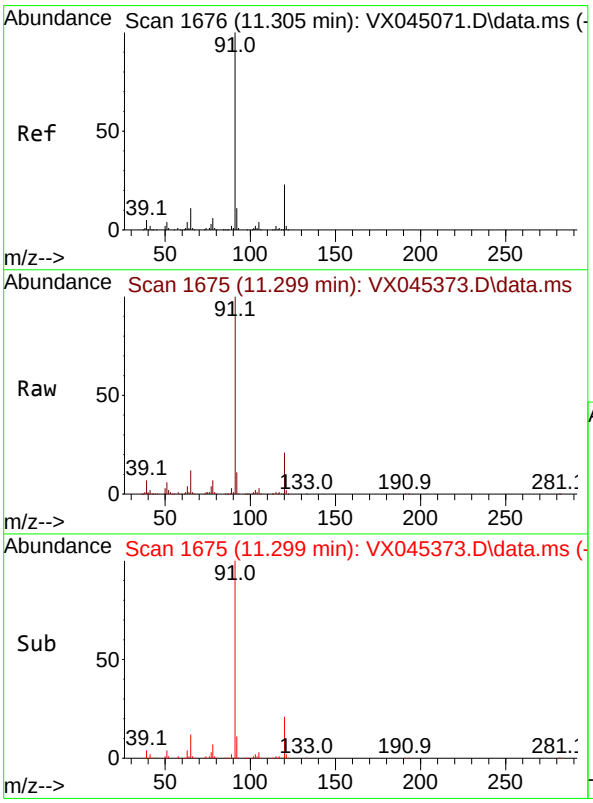
Ion	Ratio	Lower	Upper
156	100		
77	178.9	85.8	257.4
158	95.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

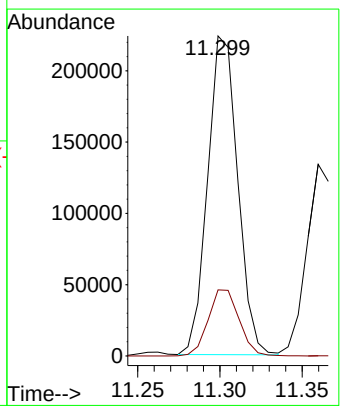
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

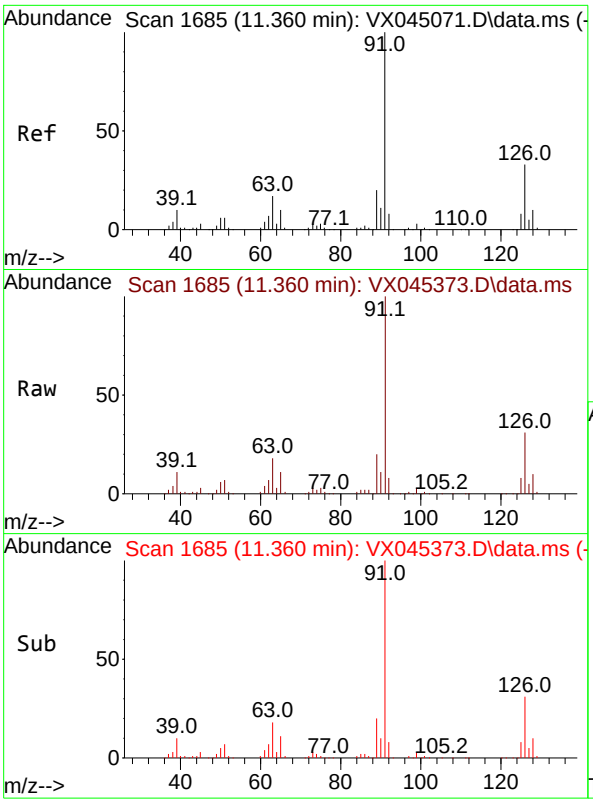


#78
n-propylbenzene
Concen: 50.665 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 284120

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6

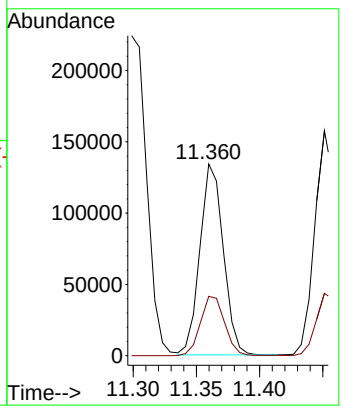




#79
2-Chlorotoluene
Concen: 48.292 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 17247

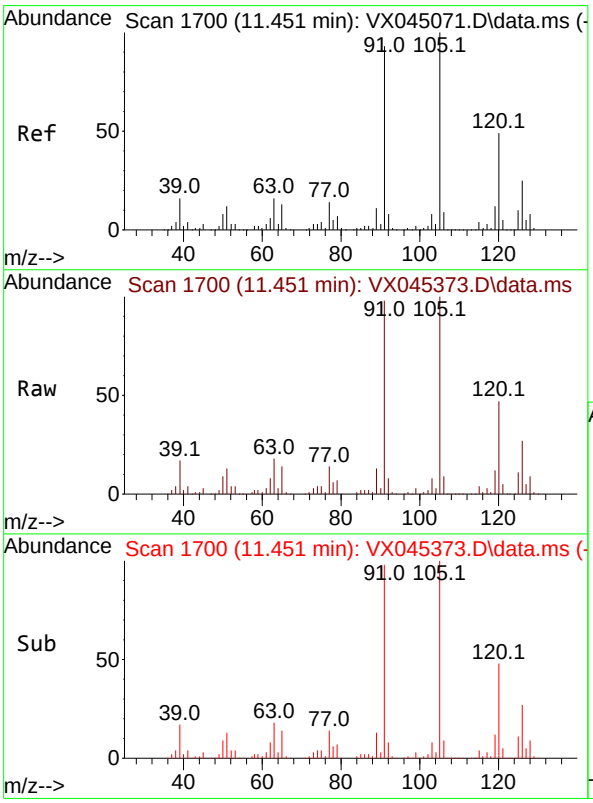
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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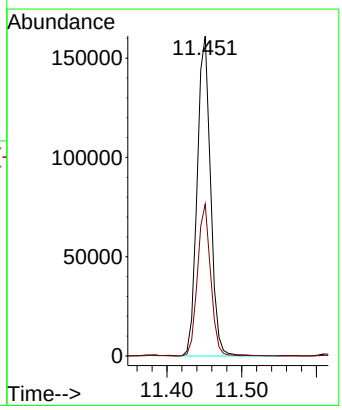
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

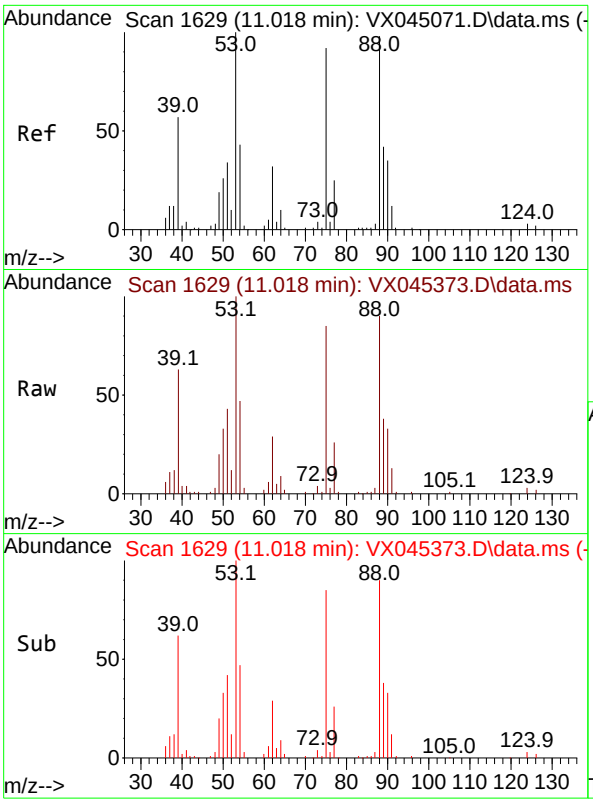


#80
1,3,5-Trimethylbenzene
Concen: 49.907 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 200325

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.2

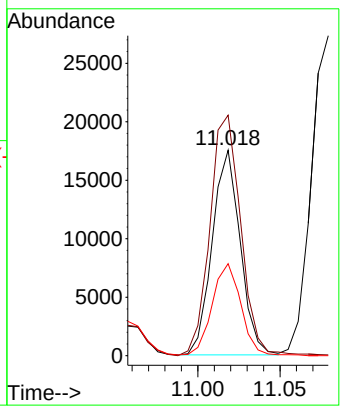




#81
trans-1,4-Dichloro-2-butene
Concen: 47.898 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 2071

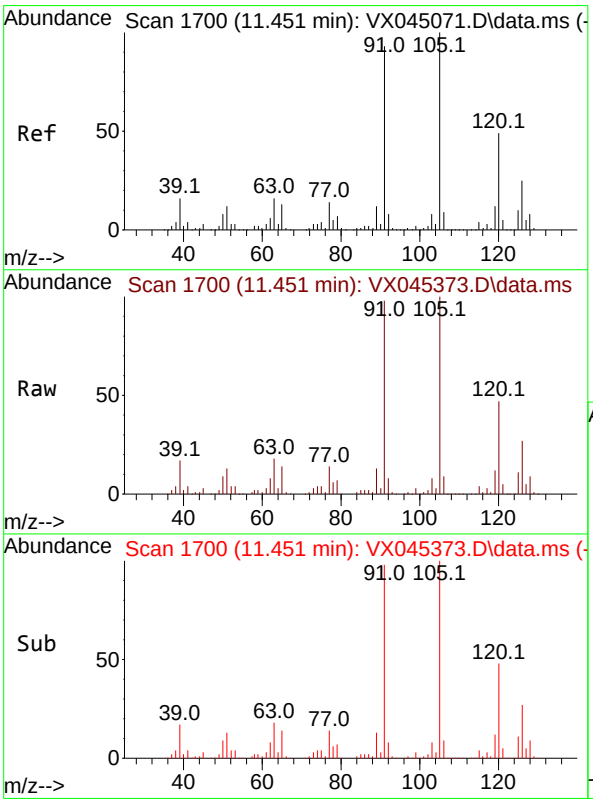
Ion	Ratio	Lower	Upper
75	100		
53	129.9	88.5	132.7
89	46.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

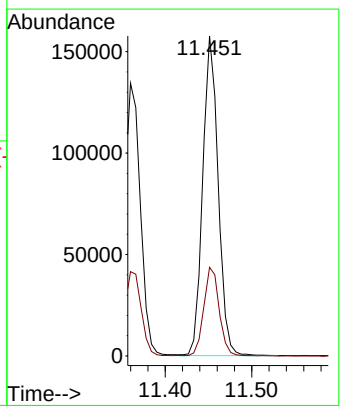
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

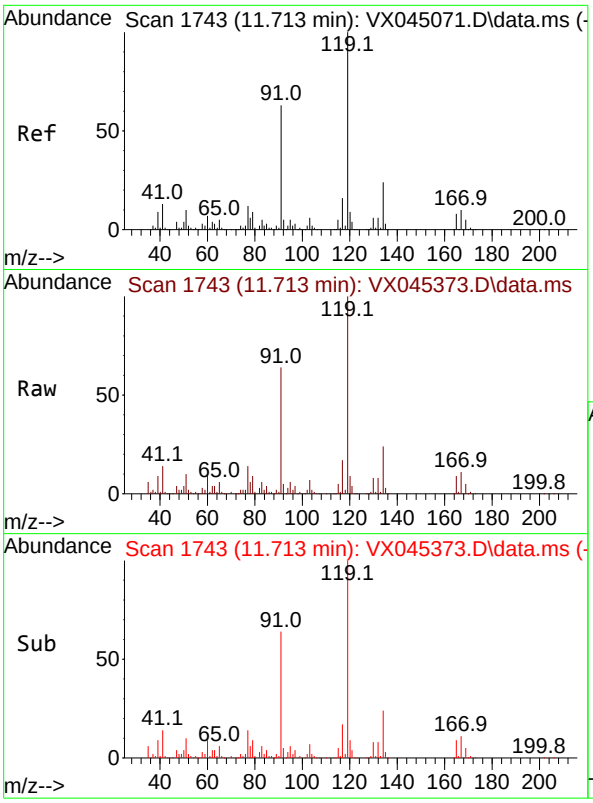


#82
4-Chlorotoluene
Concen: 50.140 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 195160

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

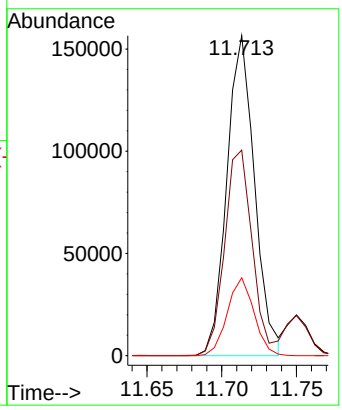




#83
tert-Butylbenzene
Concen: 48.993 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:119 Resp: 20206

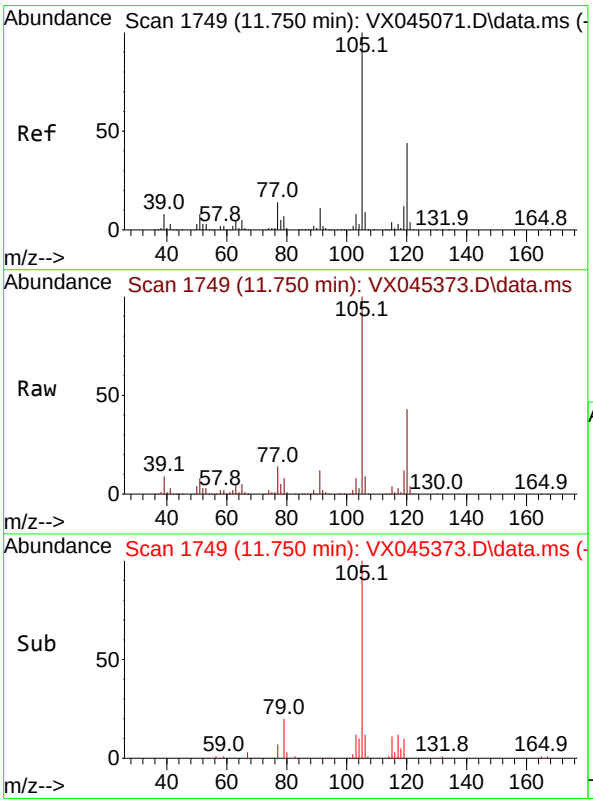
Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

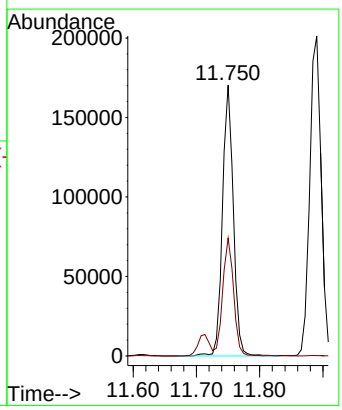
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

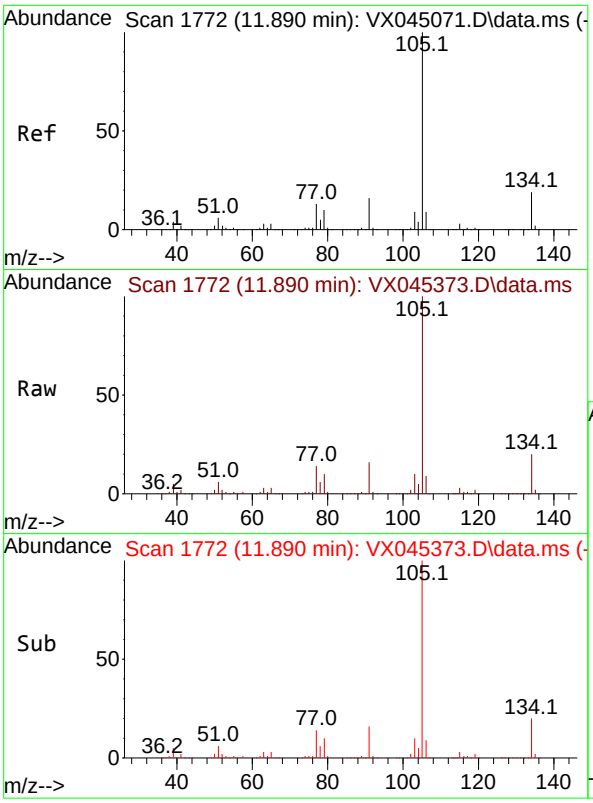


#84
1,2,4-Trimethylbenzene
Concen: 49.993 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 201914

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

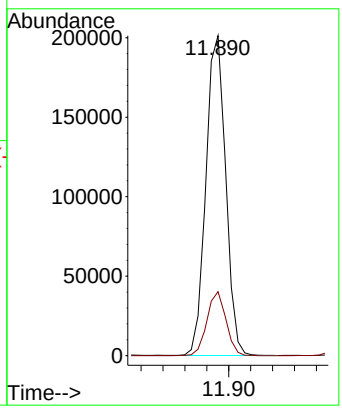




#85
sec-Butylbenzene
Concen: 51.032 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 25211

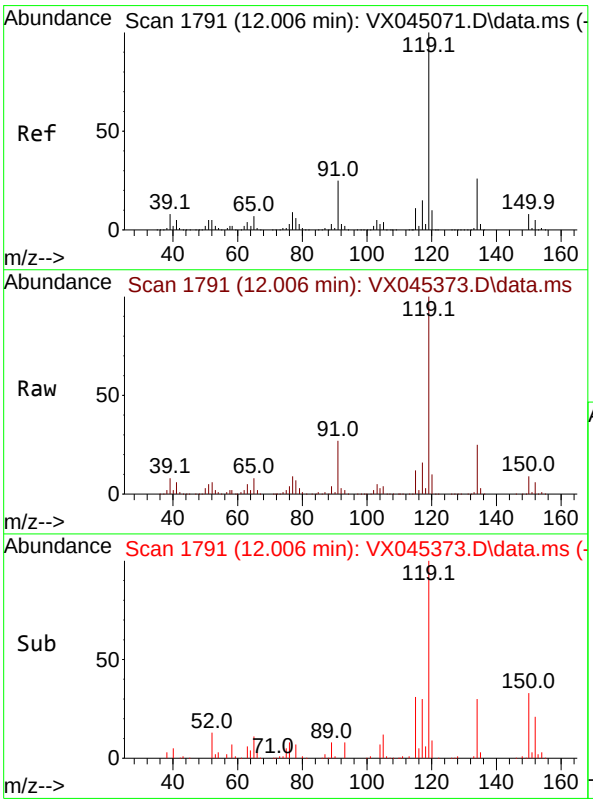
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

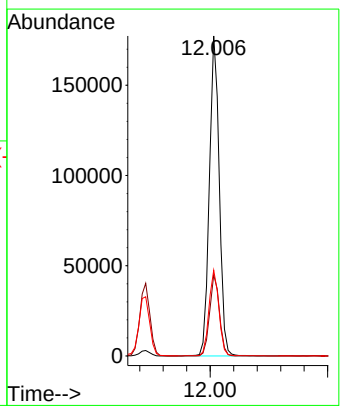
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

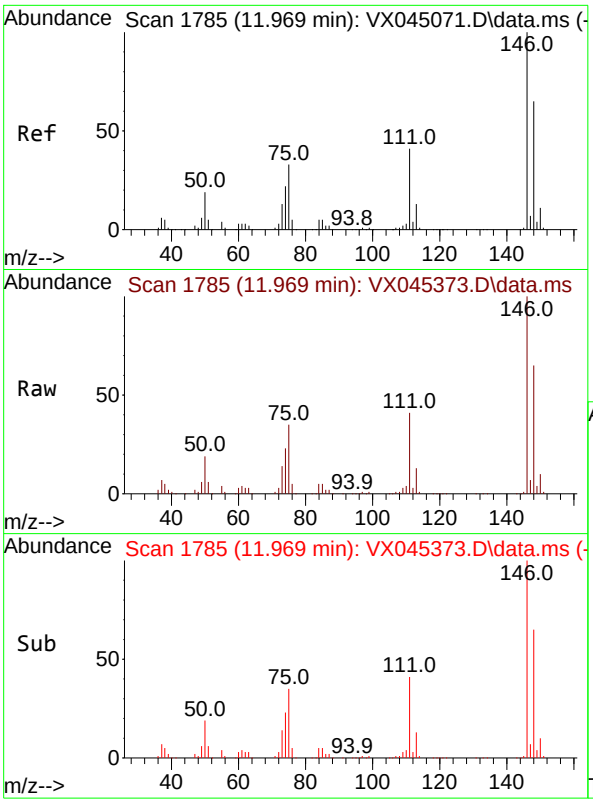


#86
p-Isopropyltoluene
Concen: 51.877 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:119 Resp: 207118

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.0	12.7	38.0

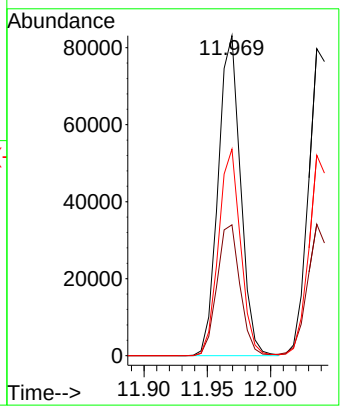




#87
1,3-Dichlorobenzene
Concen: 48.793 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 10195

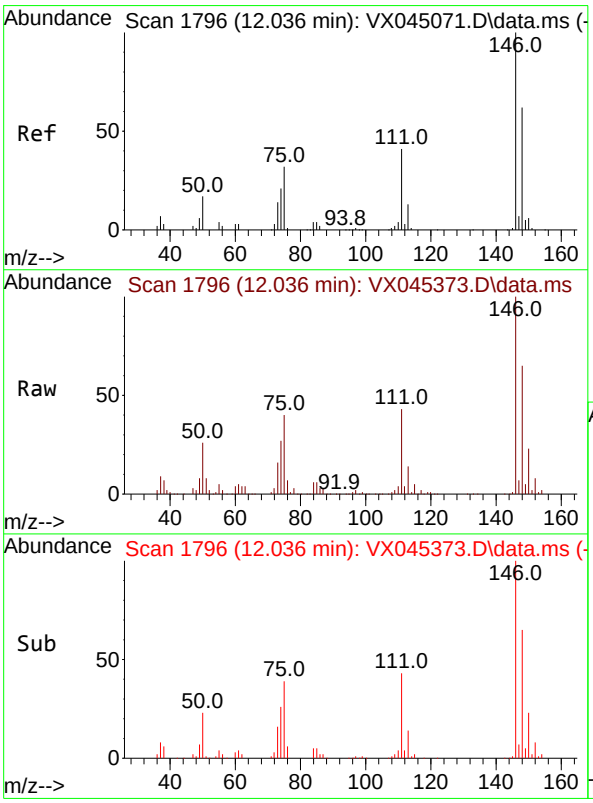
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

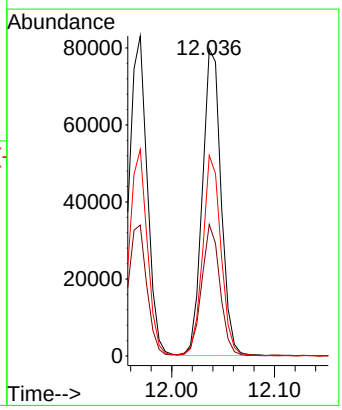
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

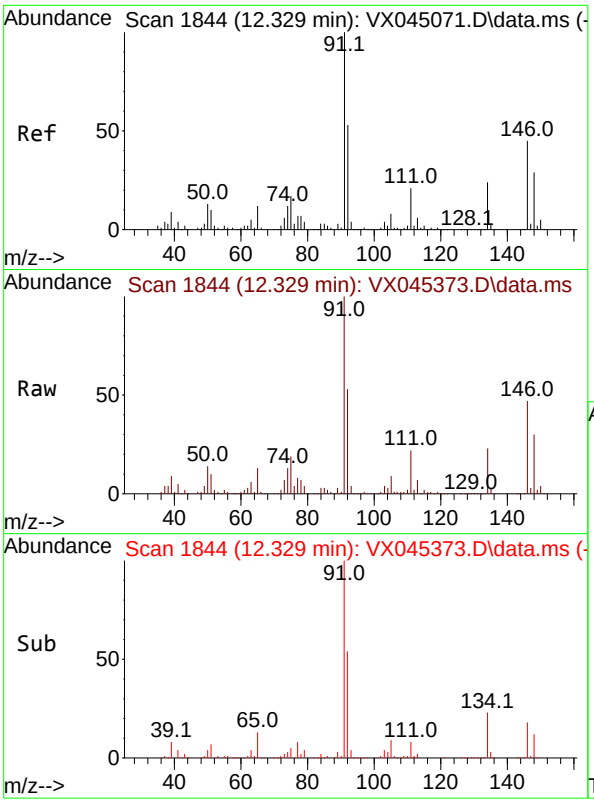


#88
1,4-Dichlorobenzene
Concen: 47.591 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 100604

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.2	60.5
148	63.9	31.9	95.9





#89
n-Butylbenzene
Concen: 53.917 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

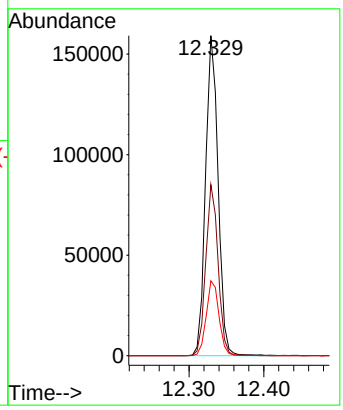
Tgt Ion: 91 Resp: 18540

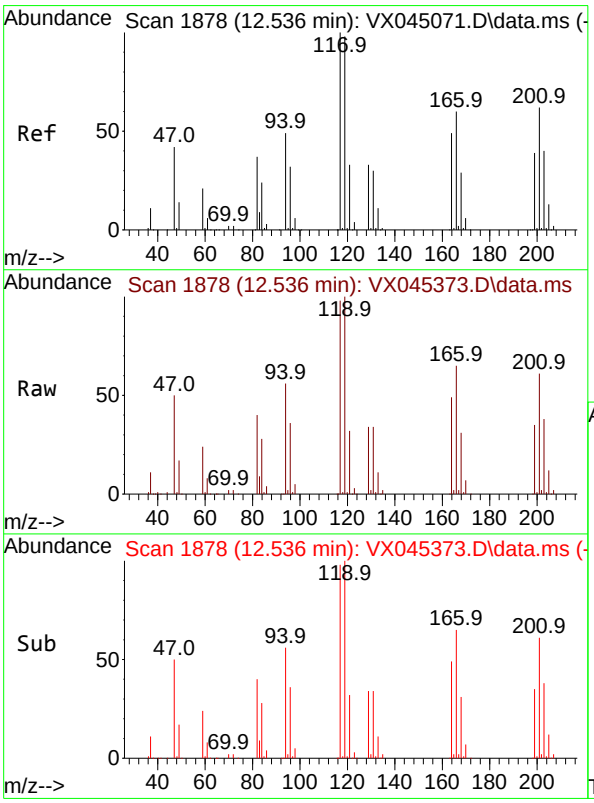
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	23.8	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

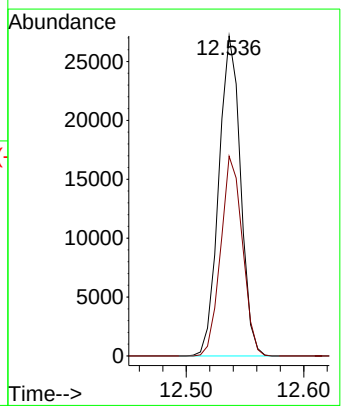


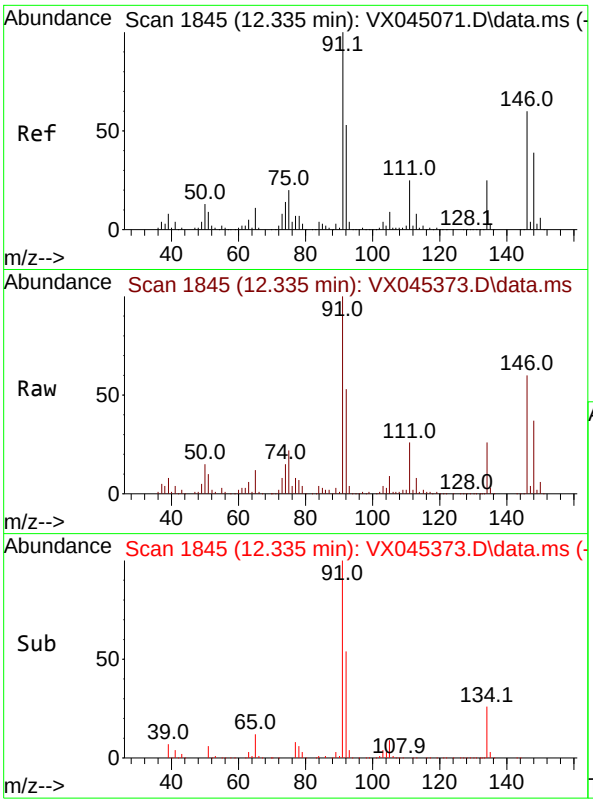


#90
Hexachloroethane
Concen: 48.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 34950

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9

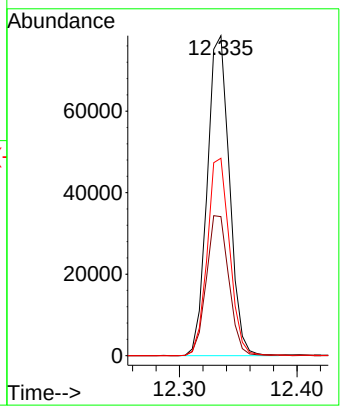




#91
1,2-Dichlorobenzene
Concen: 49.014 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 10273

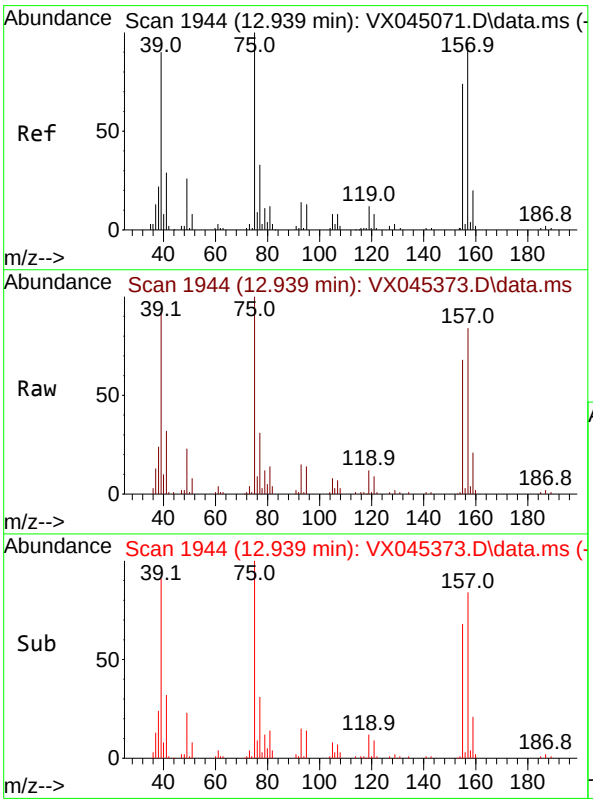
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	65.0
148	62.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

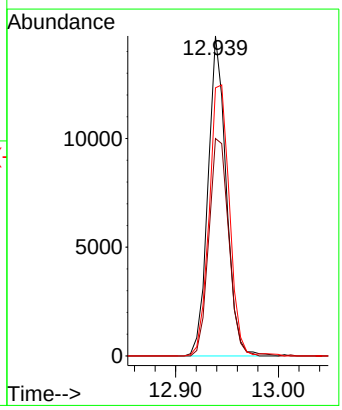
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

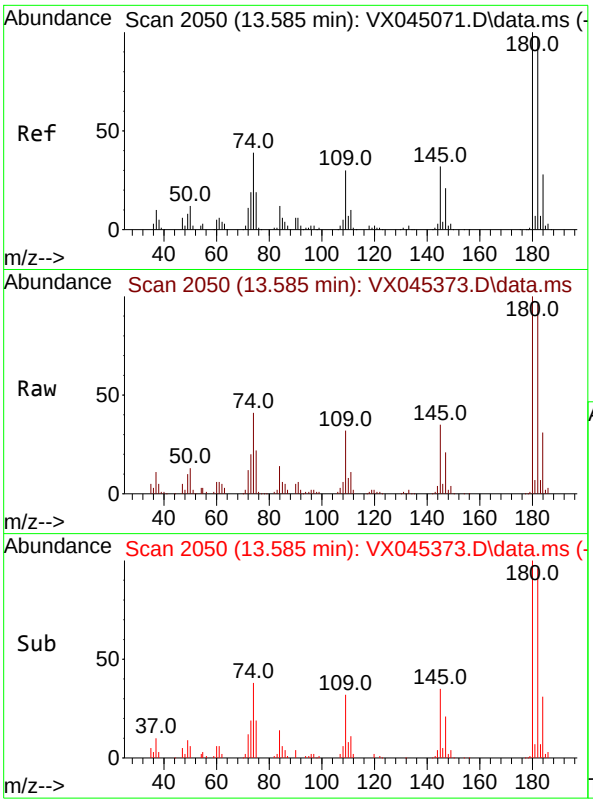


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.178 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 18163

Ion	Ratio	Lower	Upper
75	100		
155	73.7	39.6	118.7
157	93.8	51.1	153.4

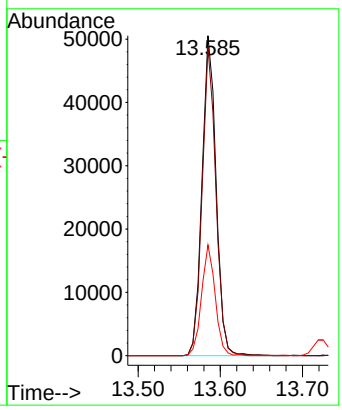




#93
1,2,4-Trichlorobenzene
Concen: 50.478 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:180 Resp: 6024

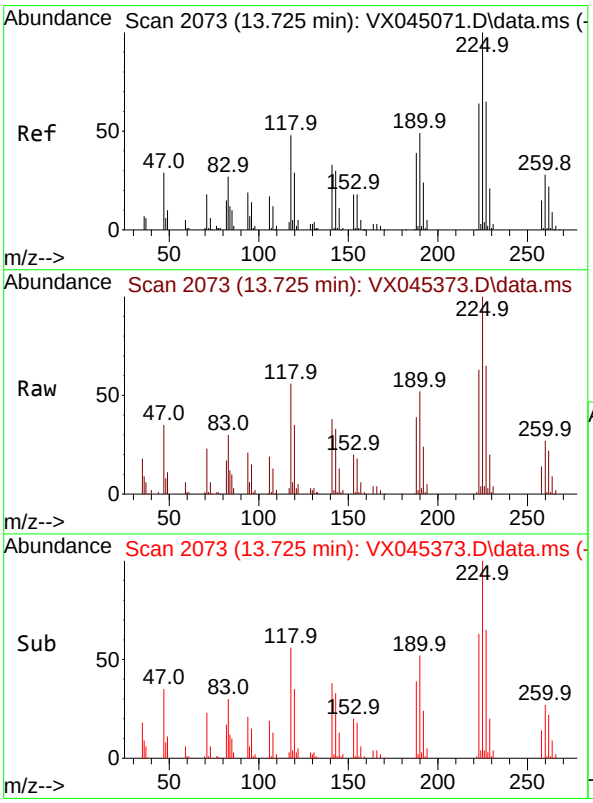
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

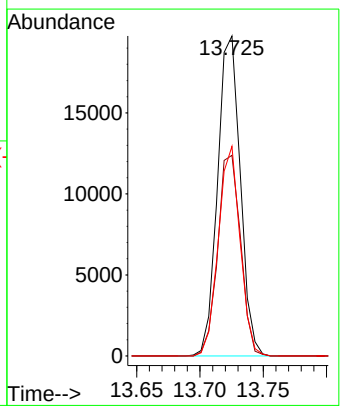
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

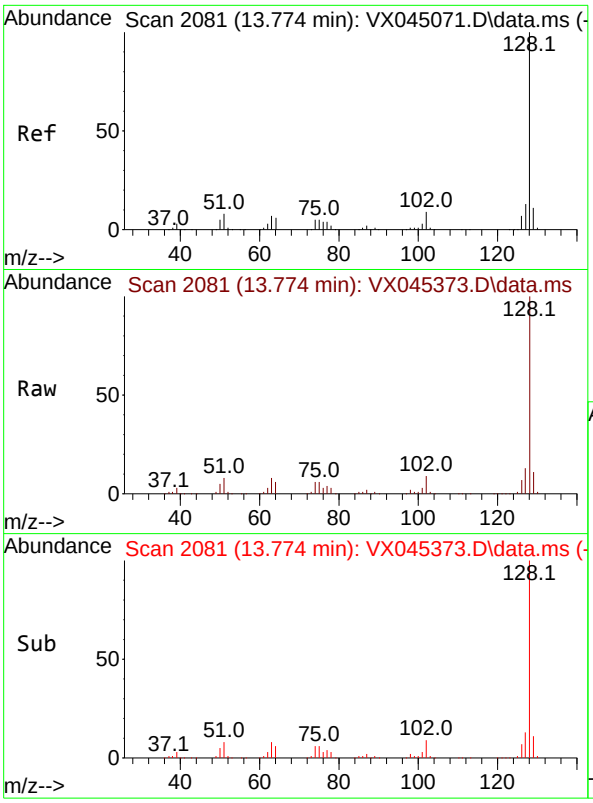


#94
Hexachlorobutadiene
Concen: 50.254 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:225 Resp: 24590

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.9	31.4	94.0

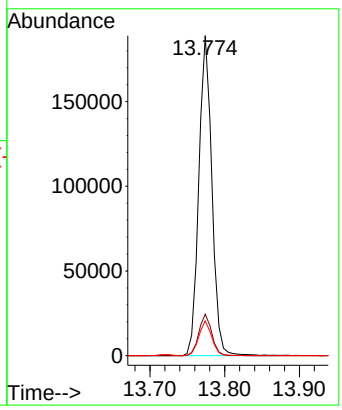




#95
Naphthalene
Concen: 49.996 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:128 Resp: 22926

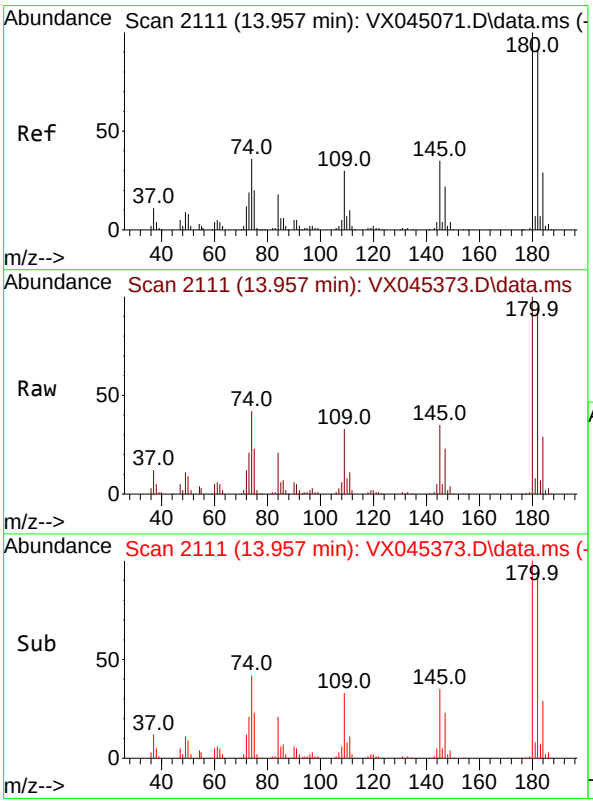
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

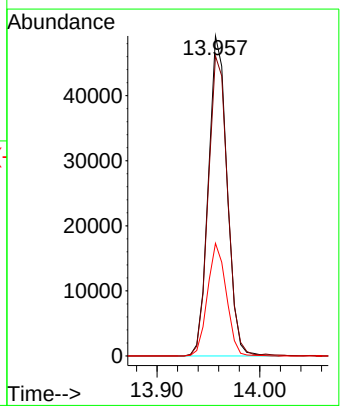
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.285 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:180 Resp: 62054

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	35.3	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	0.629	0.546	13.2	79	0.00
3	P	Chloromethane	0.770	0.601	21.9	72	0.00
4	C	Vinyl Chloride	0.764	0.594	22.3#	71	0.00
5	T	Bromomethane	0.300	0.259	13.7	80	0.00
6	T	Chloroethane	0.352	0.320	9.1	78	0.00
7	T	Trichlorofluoromethane	1.011	0.904	10.6	78	0.00
8	T	Diethyl Ether	0.396	0.336	15.2	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.581	0.0	89	0.00
10	T	Methyl Iodide	0.726	0.709	2.3	84	0.00
11	T	Tert butyl alcohol	0.151	0.109	27.8#	74	0.00
12	CM	1,1-Dichloroethene	0.614	0.558	9.1#	81	0.00
13	T	Acrolein	0.174	0.151	13.2	79	0.00
14	T	Allyl chloride	1.094	1.072	2.0	88	0.00
15	T	Acrylonitrile	0.404	0.383	5.2	85	0.00
16	T	Acetone	0.369	0.342	7.3	88	0.00
17	T	Carbon Disulfide	1.636	1.126	31.2#	61	0.00
18	T	Methyl Acetate	0.888	1.121	-26.2#	117	0.00
19	T	Methyl tert-butyl Ether	2.061	1.989	3.5	87	0.00
20	T	Methylene Chloride	0.731	0.652	10.8	85	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.567	6.6	81	0.00
22	T	Diisopropyl ether	2.224	2.201	1.0	87	0.00
23	T	Vinyl Acetate	1.856	1.803	2.9	83	0.00
24	P	1,1-Dichloroethane	1.247	1.210	3.0	88	0.00
25	T	2-Butanone	0.555	0.537	3.2	84	0.00
26	T	2,2-Dichloropropane	0.585	0.723	-23.6	110	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.714	4.7	85	0.00
28	T	Bromochloromethane	0.594	0.568	4.4	85	0.00
29	T	Tetrahydrofuran	0.373	0.341	8.6	83	0.00
30	C	Chloroform	1.239	1.236	0.2#	90	0.00
31	T	Cyclohexane	1.082	0.980	9.4	80	0.00
32	T	1,1,1-Trichloroethane	1.000	0.996	0.4	88	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.755	5.0	90	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.334	0.314	6.0	85	0.00
36	T	1,1-Dichloropropene	0.459	0.448	2.4	85	0.00
37	T	Ethyl Acetate	0.591	0.557	5.8	82	0.00
38	T	Carbon Tetrachloride	0.465	0.466	-0.2	89	0.00
39	T	Methylcyclohexane	0.549	0.531	3.3	81	0.00
40	TM	Benzene	1.448	1.385	4.4	82	0.00
41	T	Methacrylonitrile	0.319	0.331	-3.8	87	0.00
42	TM	1,2-Dichloroethane	0.521	0.556	-6.7	94	0.00
43	T	Isopropyl Acetate	0.874	0.862	1.4	83	0.00
44	TM	Trichloroethene	0.340	0.321	5.6	84	0.00
45	C	1,2-Dichloropropane	0.372	0.352	5.4#	84	0.00
46	T	Dibromomethane	0.263	0.267	-1.5	88	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	89	0.00
48	T	Methyl methacrylate	0.438	0.442	-0.9	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.007	22.2	70	0.00
50	S	Toluene-d8	1.212	1.052	13.2	77	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.593	-1.0	86	0.00
52	CM	Toluene	0.849	0.828	2.5#	82	0.00
53	T	t-1,3-Dichloropropene	0.431	0.432	-0.2	82	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.513	-2.0	85	0.00
55	T	1,1,2-Trichloroethane	0.350	0.340	2.9	85	0.00
56	T	Ethyl methacrylate	0.532	0.528	0.8	82	0.00
57	T	1,3-Dichloropropane	0.605	0.583	3.6	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.278	-7.3	87	0.00
59	T	2-Hexanone	0.425	0.433	-1.9	86	0.00
60	T	Dibromochloromethane	0.366	0.361	1.4	84	0.00
61	T	1,2-Dibromoethane	0.349	0.338	3.2	85	0.00
62	S	4-Bromofluorobenzene	0.402	0.370	8.0	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.320	0.329	-2.8	86	0.00
65	PM	Chlorobenzene	1.058	1.053	0.5	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.358	-1.7	86	0.00
67	C	Ethyl Benzene	1.843	1.886	-2.3#	82	0.00
68	T	m/p-Xylenes	0.675	0.679	-0.6	80	0.00
69	T	o-Xylene	0.681	0.678	0.4	82	0.00
70	T	Styrene	1.101	1.135	-3.1	82	0.00
71	P	Bromoform	0.266	0.271	-1.9	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.903	3.887	0.4	84	0.00
74	T	N-amyl acetate	1.831	1.859	-1.5	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.384	3.4	87	0.00
76	T	1,2,3-Trichloropropane	1.164	1.159	0.4	90	0.00
77	T	Bromobenzene	0.921	0.867	5.9	82	0.00
78	T	n-propylbenzene	4.409	4.467	-1.3	83	0.00
79	T	2-Chlorotoluene	2.808	2.712	3.4	84	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.150	0.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.326	4.1	86	0.00
82	T	4-Chlorotoluene	3.060	3.069	-0.3	85	0.00
83	T	tert-Butylbenzene	3.242	3.177	2.0	84	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.175	0.0	84	0.00
85	T	sec-Butylbenzene	3.884	3.964	-2.1	84	0.00
86	T	p-Isopropyltoluene	3.139	3.257	-3.8	85	0.00
87	T	1,3-Dichlorobenzene	1.643	1.603	2.4	86	0.00
88	T	1,4-Dichlorobenzene	1.662	1.582	4.8	84	0.00
89	T	n-Butylbenzene	2.703	2.915	-7.8	86	0.00
90	T	Hexachloroethane	0.568	0.550	3.2	81	0.00
91	T	1,2-Dichlorobenzene	1.648	1.615	2.0	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.286	-2.5	88	0.00
93	T	1,2,4-Trichlorobenzene	0.938	0.947	-1.0	84	0.00
94	T	Hexachlorobutadiene	0.385	0.387	-0.5	88	0.00
95	T	Naphthalene	3.605	3.605	0.0	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	0.976	1.4	82	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	50.000	43.383	13.2	79	0.00
3	P	Chloromethane	50.000	38.984	22.0	72	0.00
4	C	Vinyl Chloride	50.000	38.892	22.2#	71	0.00
5	T	Bromomethane	50.000	43.085	13.8	80	0.00
6	T	Chloroethane	50.000	45.464	9.1	78	0.00
7	T	Trichlorofluoromethane	50.000	44.706	10.6	78	0.00
8	T	Diethyl Ether	50.000	42.472	15.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.031	-0.1	89	0.00
10	T	Methyl Iodide	50.000	48.804	2.4	84	0.00
11	T	Tert butyl alcohol	250.000	180.827	27.7#	74	0.00
12	CM	1,1-Dichloroethene	50.000	45.429	9.1#	81	0.00
13	T	Acrolein	250.000	216.233	13.5	79	0.00
14	T	Allyl chloride	50.000	48.998	2.0	88	0.00
15	T	Acrylonitrile	250.000	236.977	5.2	85	0.00
16	T	Acetone	250.000	231.924	7.2	88	0.00
17	T	Carbon Disulfide	50.000	34.417	31.2#	61	0.00
18	T	Methyl Acetate	50.000	63.154	-26.3#	117	0.00
19	T	Methyl tert-butyl Ether	50.000	48.235	3.5	87	0.00
20	T	Methylene Chloride	50.000	44.603	10.8	85	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.683	6.6	81	0.00
22	T	Diisopropyl ether	50.000	49.474	1.1	87	0.00
23	T	Vinyl Acetate	250.000	242.782	2.9	83	0.00
24	P	1,1-Dichloroethane	50.000	48.541	2.9	88	0.00
25	T	2-Butanone	250.000	241.746	3.3	84	0.00
26	T	2,2-Dichloropropane	50.000	61.802	-23.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.626	4.7	85	0.00
28	T	Bromochloromethane	50.000	47.813	4.4	85	0.00
29	T	Tetrahydrofuran	250.000	228.354	8.7	83	0.00
30	C	Chloroform	50.000	49.916	0.2#	90	0.00
31	T	Cyclohexane	50.000	45.300	9.4	80	0.00
32	T	1,1,1-Trichloroethane	50.000	49.789	0.4	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.472	5.1	90	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	46.935	6.1	85	0.00
36	T	1,1-Dichloropropene	50.000	48.847	2.3	85	0.00
37	T	Ethyl Acetate	50.000	47.152	5.7	82	0.00
38	T	Carbon Tetrachloride	50.000	50.002	-0.0	89	0.00
39	T	Methylcyclohexane	50.000	48.320	3.4	81	0.00
40	TM	Benzene	50.000	47.823	4.4	82	0.00
41	T	Methacrylonitrile	50.000	51.857	-3.7	87	0.00
42	TM	1,2-Dichloroethane	50.000	53.313	-6.6	94	0.00
43	T	Isopropyl Acetate	50.000	49.361	1.3	83	0.00
44	TM	Trichloroethene	50.000	47.200	5.6	84	0.00
45	C	1,2-Dichloropropane	50.000	47.336	5.3#	84	0.00
46	T	Dibromomethane	50.000	50.776	-1.6	88	0.00
47	T	Bromodichloromethane	50.000	50.921	-1.8	89	0.00
48	T	Methyl methacrylate	50.000	50.381	-0.8	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	799.865	20.0	70	0.00
50	S	Toluene-d8	50.000	43.410	13.2	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.898	-1.2	86	0.00
52	CM	Toluene	50.000	48.708	2.6#	82	0.00
53	T	t-1,3-Dichloropropene	50.000	50.020	-0.0	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.990	-2.0	85	0.00
55	T	1,1,2-Trichloroethane	50.000	48.680	2.6	85	0.00
56	T	Ethyl methacrylate	50.000	49.705	0.6	82	0.00
57	T	1,3-Dichloropropane	50.000	48.163	3.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.242	-7.3	87	0.00
59	T	2-Hexanone	250.000	254.850	-1.9	86	0.00
60	T	Dibromochloromethane	50.000	49.346	1.3	84	0.00
61	T	1,2-Dibromoethane	50.000	48.470	3.1	85	0.00
62	S	4-Bromofluorobenzene	50.000	46.047	7.9	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	51.351	-2.7	86	0.00
65	PM	Chlorobenzene	50.000	49.767	0.5	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.843	-1.7	86	0.00
67	C	Ethyl Benzene	50.000	51.160	-2.3#	82	0.00
68	T	m/p-Xylenes	100.000	100.611	-0.6	80	0.00
69	T	o-Xylene	50.000	49.785	0.4	82	0.00
70	T	Styrene	50.000	51.533	-3.1	82	0.00
71	P	Bromoform	50.000	51.008	-2.0	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	49.801	0.4	84	0.00
74	T	N-amyl acetate	50.000	50.753	-1.5	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.314	3.4	87	0.00
76	T	1,2,3-Trichloropropane	50.000	49.810	0.4	90	0.00
77	T	Bromobenzene	50.000	47.066	5.9	82	0.00
78	T	n-propylbenzene	50.000	50.665	-1.3	83	0.00
79	T	2-Chlorotoluene	50.000	48.292	3.4	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.907	0.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.898	4.2	86	0.00
82	T	4-Chlorotoluene	50.000	50.140	-0.3	85	0.00
83	T	tert-Butylbenzene	50.000	48.993	2.0	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.993	0.0	84	0.00
85	T	sec-Butylbenzene	50.000	51.032	-2.1	84	0.00
86	T	p-Isopropyltoluene	50.000	51.877	-3.8	85	0.00
87	T	1,3-Dichlorobenzene	50.000	48.793	2.4	86	0.00
88	T	1,4-Dichlorobenzene	50.000	47.591	4.8	84	0.00
89	T	n-Butylbenzene	50.000	53.917	-7.8	86	0.00
90	T	Hexachloroethane	50.000	48.398	3.2	81	0.00
91	T	1,2-Dichlorobenzene	50.000	49.014	2.0	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.178	-2.4	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.478	-1.0	84	0.00
94	T	Hexachlorobutadiene	50.000	50.254	-0.5	88	0.00
95	T	Naphthalene	50.000	49.996	0.0	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.285	1.4	82	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 10:00

Lab File ID: VX045375.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.662		5.25	20
Chloromethane	0.770	0.684	0.1	-11.17	20
Vinyl Chloride	0.764	0.690		-9.69	20
Bromomethane	0.300	0.302		0.67	20
Chloroethane	0.352	0.328		-6.82	20
Trichlorofluoromethane	1.012	1.044		3.16	20
1,1,2-Trichlorotrifluoroethane	0.581	0.692		19.1	20
1,1-Dichloroethene	0.614	0.632		2.93	20
Acetone	0.369	0.426		15.45	20
Carbon Disulfide	1.636	1.372		-16.14	20
Methyl tert-butyl Ether	2.061	2.226		8.01	20
Methyl Acetate	0.888	1.244		40.09	20
Methylene Chloride	0.731	0.735		0.55	20
trans-1,2-Dichloroethene	0.607	0.625		2.96	20
1,1-Dichloroethane	1.247	1.332	0.1	6.82	20
Cyclohexane	1.082	1.107		2.31	20
2-Butanone	0.555	0.610		9.91	20
Carbon Tetrachloride	0.465	0.543		16.77	20
cis-1,2-Dichloroethene	0.749	0.799		6.68	20
Bromochloromethane	0.594	0.623		4.88	20
Chloroform	1.239	1.364		10.09	20
1,1,1-Trichloroethane	1.000	1.111		11.1	20
Methylcyclohexane	0.549	0.626		14.03	20
Benzene	1.448	1.566		8.15	20
1,2-Dichloroethane	0.521	0.622		19.39	20
Trichloroethene	0.340	0.364		7.06	20
1,2-Dichloropropane	0.372	0.404		8.6	20
Bromodichloromethane	0.516	0.613		18.8	20
4-Methyl-2-Pentanone	0.587	0.667		13.63	20
Toluene	0.849	0.943		11.07	20
t-1,3-Dichloropropene	0.431	0.541		25.52	20
cis-1,3-Dichloropropene	0.503	0.615		22.27	20
1,1,2-Trichloroethane	0.350	0.382		9.14	20
2-Hexanone	0.425	0.492		15.77	20
Dibromochloromethane	0.366	0.432		18.03	20
1,2-Dibromoethane	0.349	0.387		10.89	20
Tetrachloroethene	0.320	0.362		13.13	20
Chlorobenzene	1.058	1.187	0.3	12.19	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: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 10:00

Lab File ID: VX045375.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.112		14.6	20
m/p-Xylenes	0.675	0.771		14.22	20
o-Xylene	0.681	0.750		10.13	20
Styrene	1.101	1.269		15.26	20
Bromoform	0.266	0.316	0.1	18.8	20
Isopropylbenzene	3.903	4.394		12.58	20
1,1,2,2-Tetrachloroethane	1.432	1.519	0.3	6.07	20
1,3-Dichlorobenzene	1.643	1.791		9.01	20
1,4-Dichlorobenzene	1.662	1.795		8	20
1,2-Dichlorobenzene	1.648	1.801		9.28	20
1,2-Dibromo-3-Chloropropane	0.279	0.327		17.2	20
1,2,4-Trichlorobenzene	0.938	1.099		17.16	20
1,2,3-Trichlorobenzene	0.990	1.168		17.98	20
1,2-Dichloroethane-d4	0.795	0.856		7.67	20
Dibromofluoromethane	0.334	0.369		10.48	20
Toluene-d8	1.212	1.255		3.55	20
4-Bromofluorobenzene	0.402	0.438		8.95	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\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	92791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	160605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79413	53.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	5.373	113	59186	55.112	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	8.646	98	201541	51.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.540%			
62) 4-Bromofluorobenzene	11.079	95	70360	54.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61468	52.626	ug/l	97
3) Chloromethane	1.306	50	63471	44.404	ug/l	95
4) Vinyl Chloride	1.373	62	64036	45.160	ug/l	98
5) Bromomethane	1.593	94	27995	50.221	ug/l	99
6) Chloroethane	1.660	64	30390	46.464	ug/l	97
7) Trichlorofluoromethane	1.867	101	96873	51.606	ug/l	98
8) Diethyl Ether	2.135	74	33633	45.807	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.312	101	64252	59.577	ug/l	99
10) Methyl Iodide	2.440	142	73240	54.343	ug/l	95
11) Tert butyl alcohol	2.989	59	63537	227.264	ug/l	98
12) 1,1-Dichloroethene	2.306	96	58618	51.410	ug/l	98
13) Acrolein	2.233	56	74499	230.519	ug/l	98
14) Allyl chloride	2.654	41	111653	55.012	ug/l	95
15) Acrylonitrile	3.062	53	200371	267.415	ug/l	100
16) Acetone	2.385	43	197839	288.897	ug/l	98
17) Carbon Disulfide	2.501	76	127332	41.928	ug/l	97
18) Methyl Acetate	2.702	43	115450	70.079	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	206541	53.992	ug/l	98
20) Methylene Chloride	2.782	84	68170	50.254	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	58005	51.494	ug/l	95
22) Diisopropyl ether	3.757	45	224386	54.361	ug/l	92
23) Vinyl Acetate	3.714	43	937999	272.307	ug/l	99
24) 1,1-Dichloroethane	3.598	63	123590	53.425	ug/l	100
25) 2-Butanone	4.556	43	282964	274.508	ug/l	97
26) 2,2-Dichloropropane	4.464	77	88812	81.849	ug/l	94
27) cis-1,2-Dichloroethene	4.476	96	74124	53.306	ug/l	93
28) Bromochloromethane	4.885	49	57779	52.401	ug/l	97
29) Tetrahydrofuran	5.001	42	176019	254.275	ug/l	99
30) Chloroform	5.080	83	126577	55.068	ug/l	98
31) Cyclohexane	5.458	56	102713	51.149	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	103105	55.539	ug/l	97
36) 1,1-Dichloropropene	5.683	75	79271	53.824	ug/l	99
37) Ethyl Acetate	4.708	43	102184	53.844	ug/l	100
38) Carbon Tetrachloride	5.665	117	87195	58.316	ug/l	99
39) Methylcyclohexane	7.372	83	100526	56.964	ug/l	98
40) Benzene	6.025	78	251470	54.071	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	60824	59.274	ug/l		99
42) 1,2-Dichloroethane	6.080	62	99960	59.688	ug/l		98
43) Isopropyl Acetate	6.336	43	158796	56.586	ug/l		99
44) Trichloroethene	7.116	130	58470	53.543	ug/l		99
45) 1,2-Dichloropropane	7.421	63	64849	54.233	ug/l		97
46) Dibromomethane	7.573	93	49192	58.204	ug/l		97
47) Bromodichloromethane	7.817	83	98390	59.351	ug/l		99
48) Methyl methacrylate	7.689	41	83186	59.086	ug/l		94
49) 1,4-Dioxane	7.659	88	27870	938.459	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	535400	284.145	ug/l		99
52) Toluene	8.713	92	151414	55.490	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86916	62.714	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	98708	61.078	ug/l		92
55) 1,1,2-Trichloroethane	9.146	97	61375	54.637	ug/l		98
56) Ethyl methacrylate	9.116	69	96944	56.775	ug/l		93
57) 1,3-Dichloropropane	9.305	76	106911	54.996	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	241784	290.277	ug/l		98
59) 2-Hexanone	9.427	43	394789	289.177	ug/l		98
60) Dibromochloromethane	9.518	129	69357	59.051	ug/l		99
61) 1,2-Dibromoethane	9.604	107	62209	55.474	ug/l		99
64) Tetrachloroethene	9.268	164	49823	56.573	ug/l		96
65) Chlorobenzene	10.073	112	163205	56.091	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	56003	57.796	ug/l		97
67) Ethyl Benzene	10.189	91	290458	57.291	ug/l		98
68) m/p-Xylenes	10.299	106	212125	114.295	ug/l		97
69) o-Xylene	10.640	106	103100	55.079	ug/l		96
70) Styrene	10.652	104	174503	57.615	ug/l		98
71) Bromoform	10.798	173	43497	59.529	ug/l	#	99
73) Isopropylbenzene	10.957	105	277512	56.299	ug/l		99
74) N-amyl acetate	10.841	43	130246	56.311	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	95947	53.043	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	80568m	54.812	ug/l		
77) Bromobenzene	11.195	156	62556	53.787	ug/l		96
78) n-propylbenzene	11.298	91	325584	58.471	ug/l		99
79) 2-Chlorotoluene	11.359	91	191329	53.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	225866	56.669	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	26280	61.185	ug/l		93
82) 4-Chlorotoluene	11.451	91	217941	56.390	ug/l		99
83) tert-Butylbenzene	11.713	119	225635	55.097	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	226630	56.511	ug/l		99
85) sec-Butylbenzene	11.890	105	290816	59.284	ug/l		99
86) p-Isopropyltoluene	12.006	119	235736	59.464	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	113122	54.523	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113332	53.992	ug/l		98
89) n-Butylbenzene	12.329	91	216299	63.349	ug/l		99
90) Hexachloroethane	12.536	117	42009	58.585	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	113769	54.663	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20643	58.578	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	69410	58.569	ug/l		98
94) Hexachlorobutadiene	13.725	225	30098	61.947	ug/l		99
95) Naphthalene	13.774	128	257595	56.574	ug/l		100
96) 1,2,3-Trichlorobenzene	13.962	180	73755	58.994	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

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

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

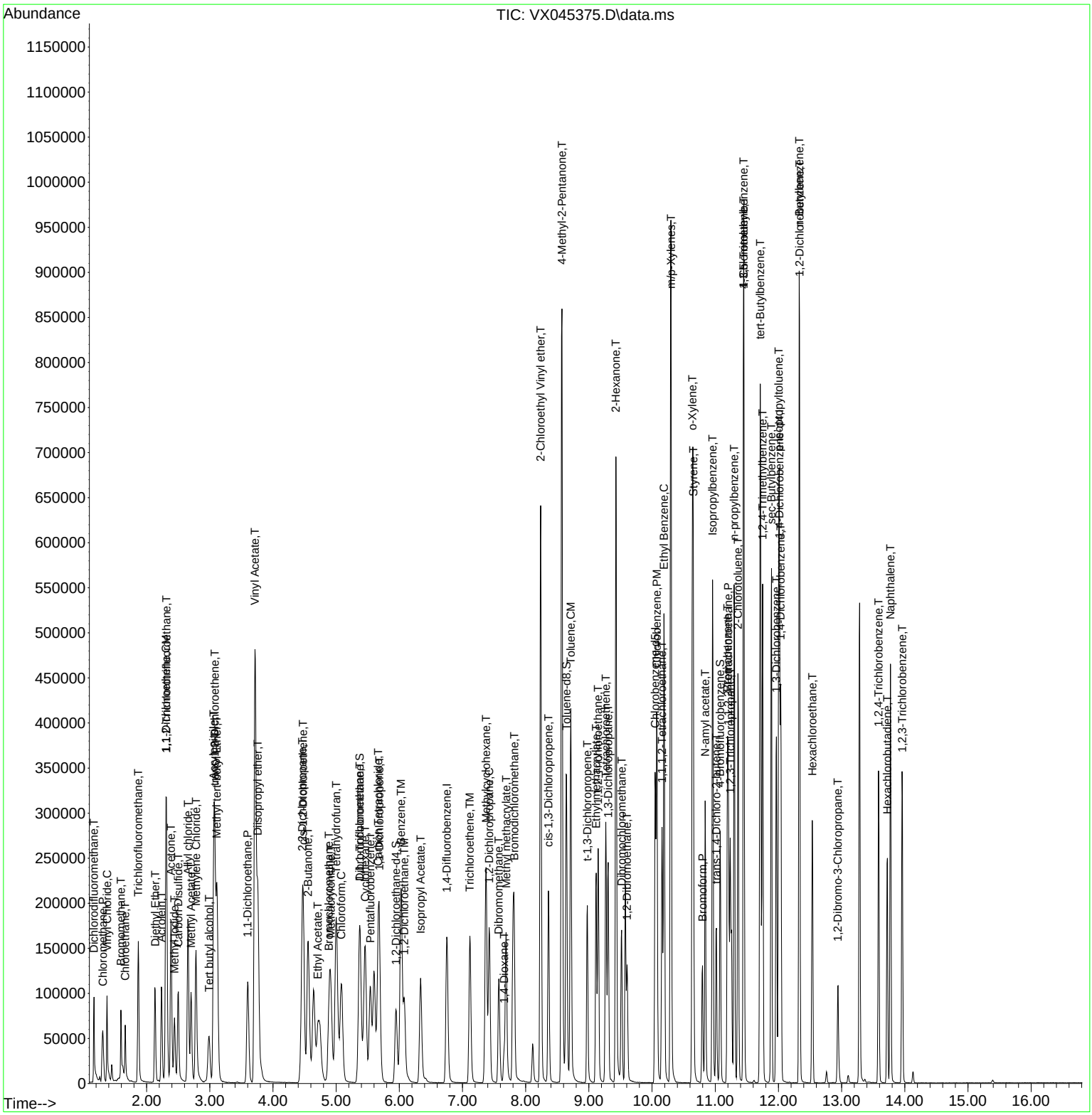
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Sample : VSTDCCC050
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ALS Vial : 2 Sample Multiplier: 1

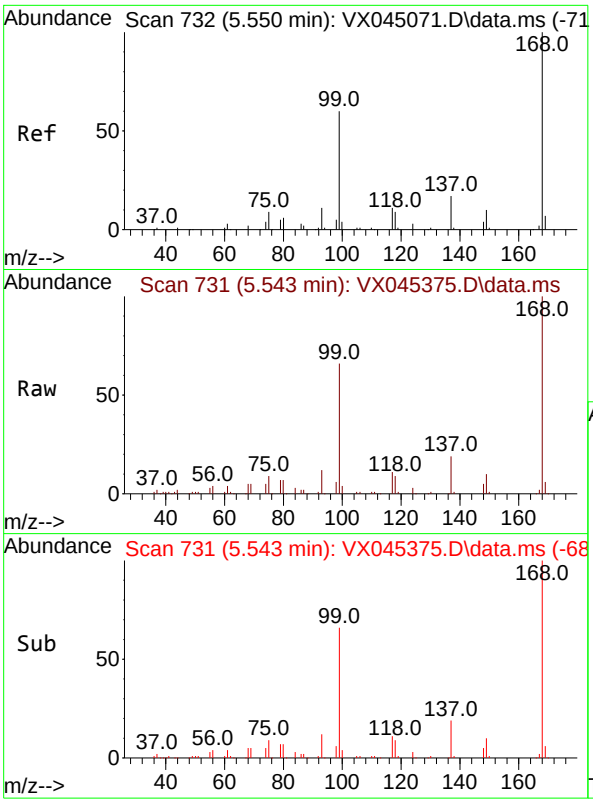
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Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
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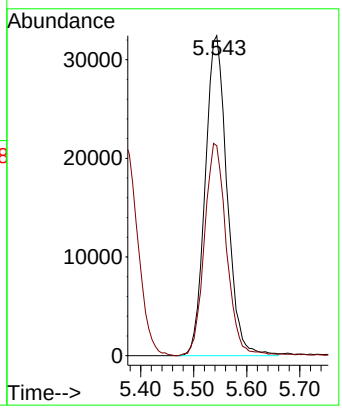




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:168 Resp: 9279

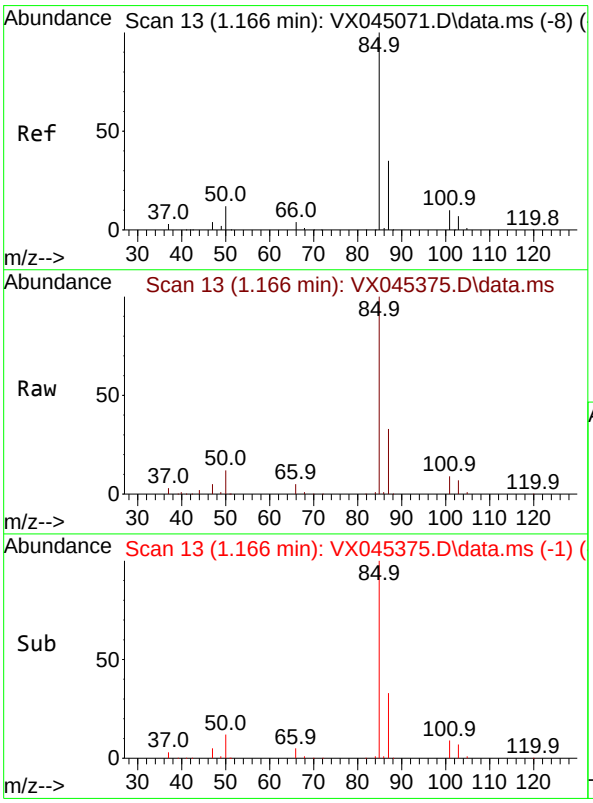
Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

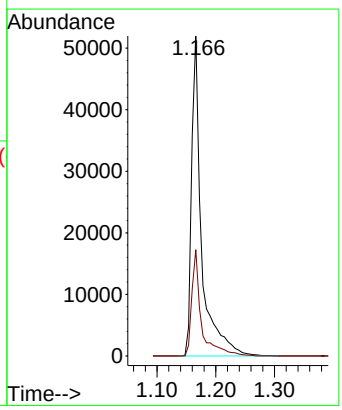
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

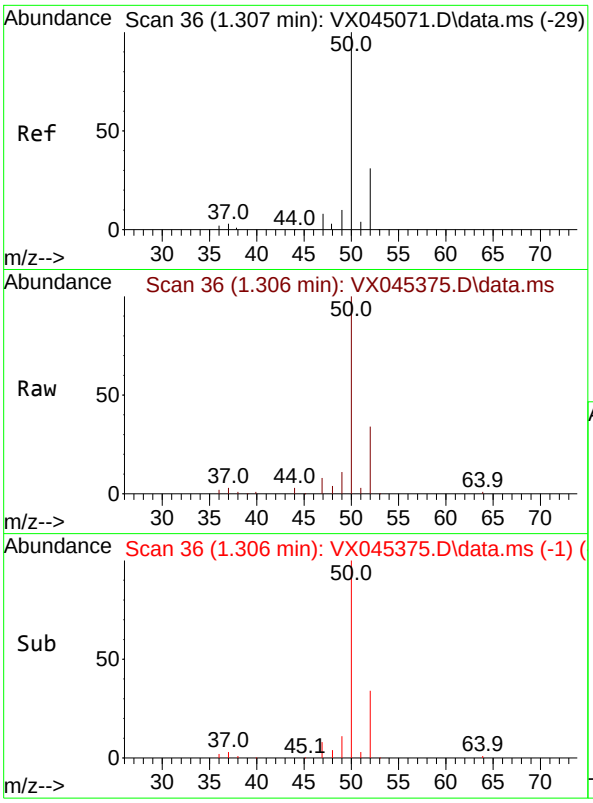


#2
Dichlorodifluoromethane
Concen: 52.626 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 85 Resp: 61468

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3

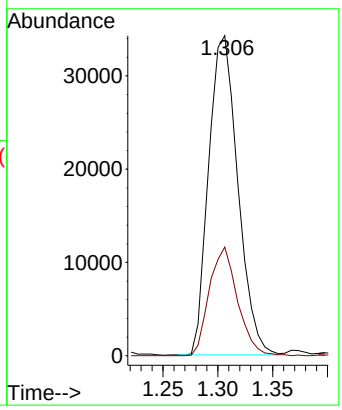




#3
Chloromethane
Concen: 44.404 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 50 Resp: 6347

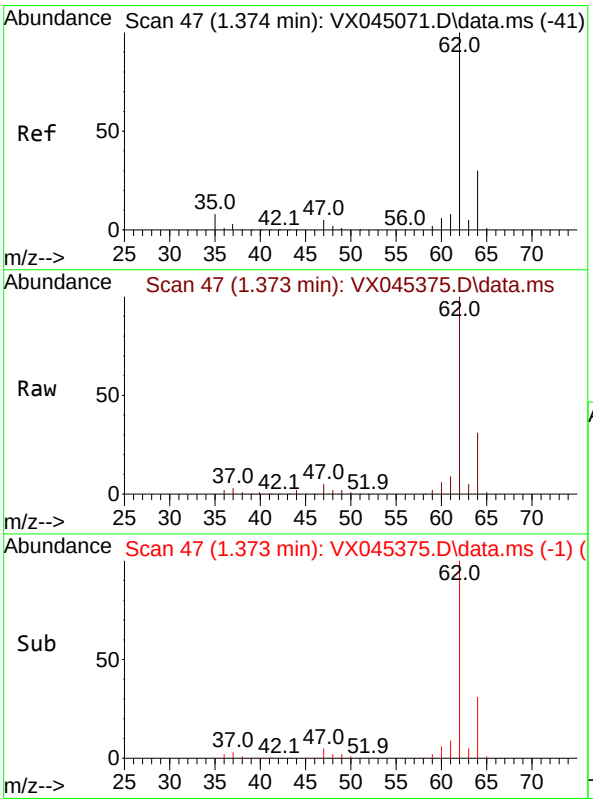
Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

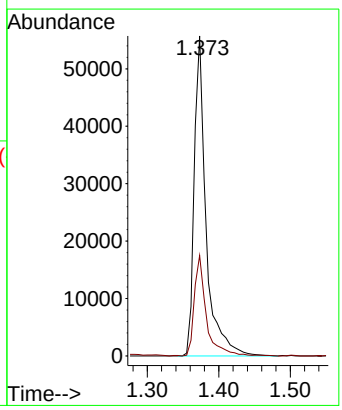
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

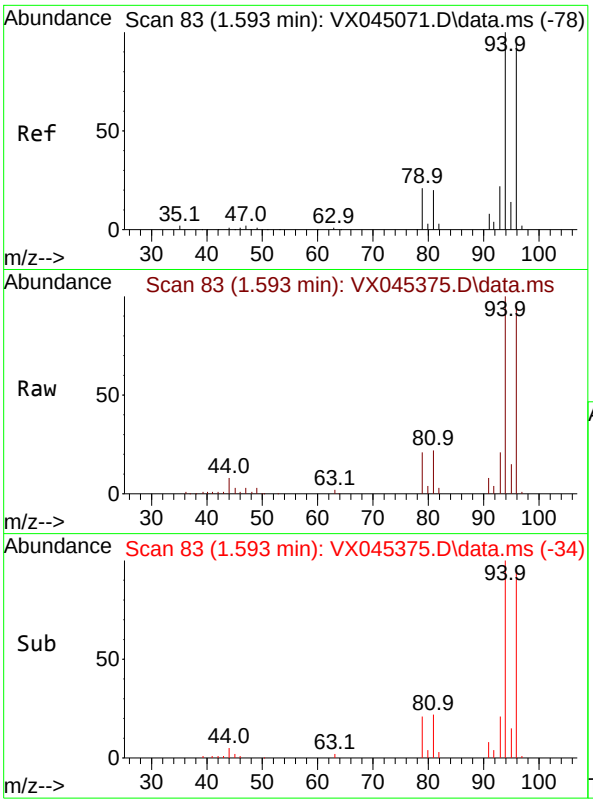


#4
Vinyl Chloride
Concen: 45.160 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 64036

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5





#5
Bromomethane
Concen: 50.221 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

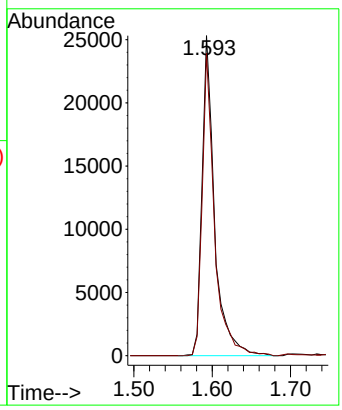
Tgt Ion: 94 Resp: 2799

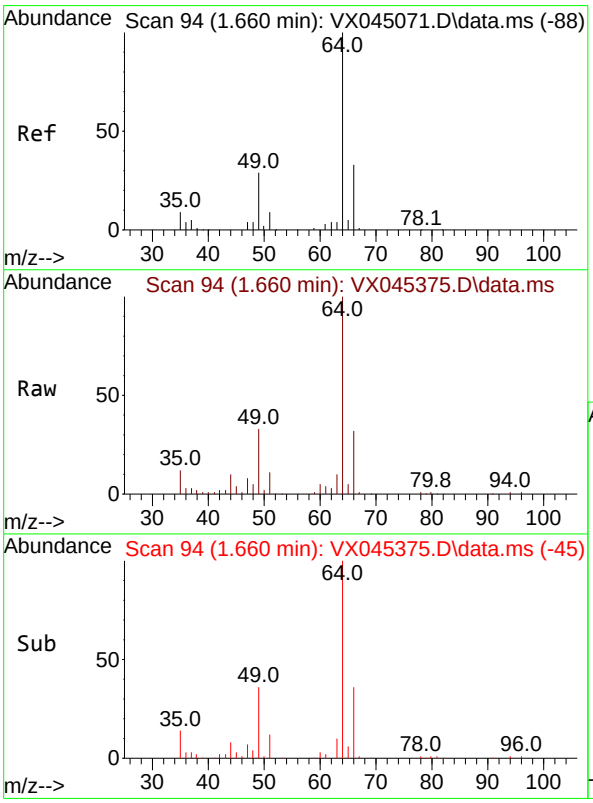
Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

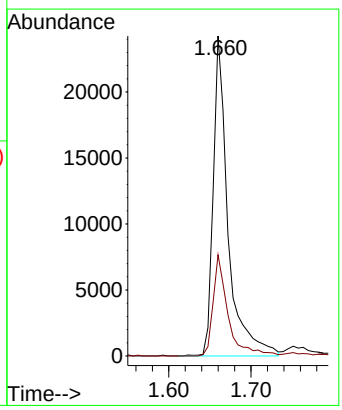


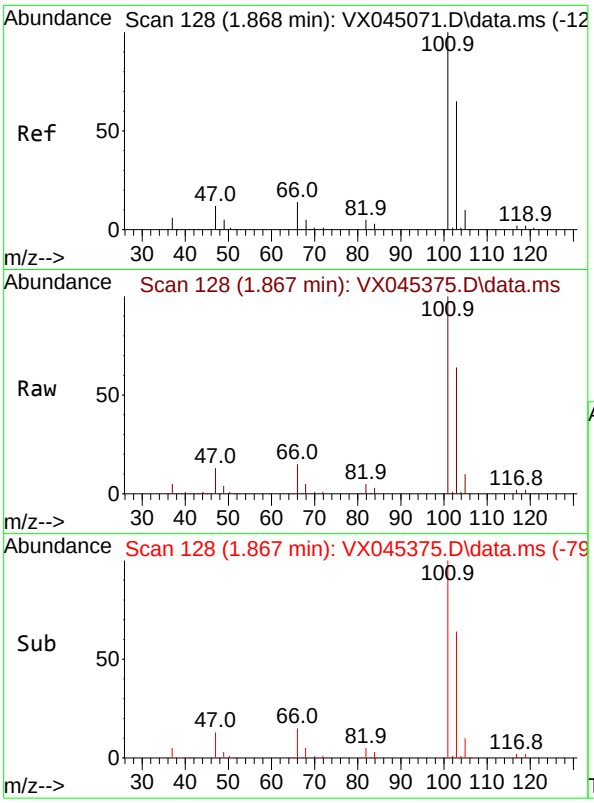


#6
Chloroethane
Concen: 46.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 64 Resp: 30390

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1

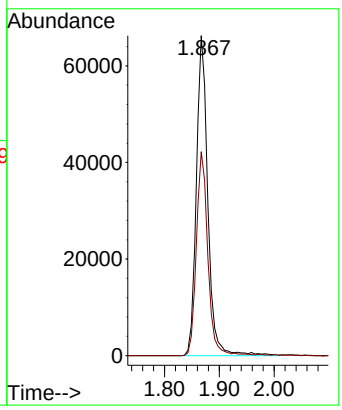




#7
Trichlorofluoromethane
Concen: 51.606 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:101 Resp: 9687

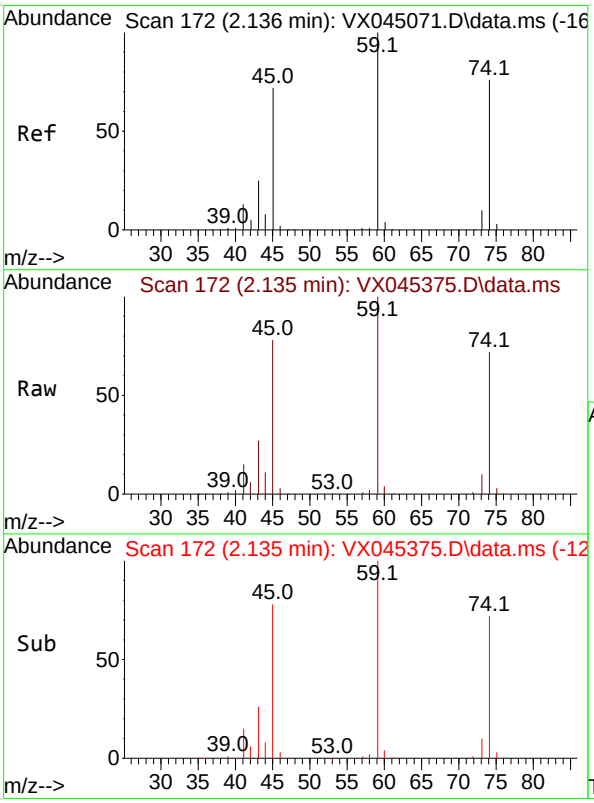
Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

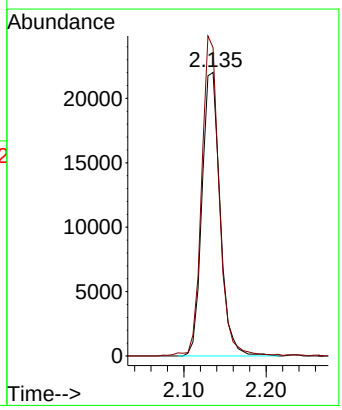
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

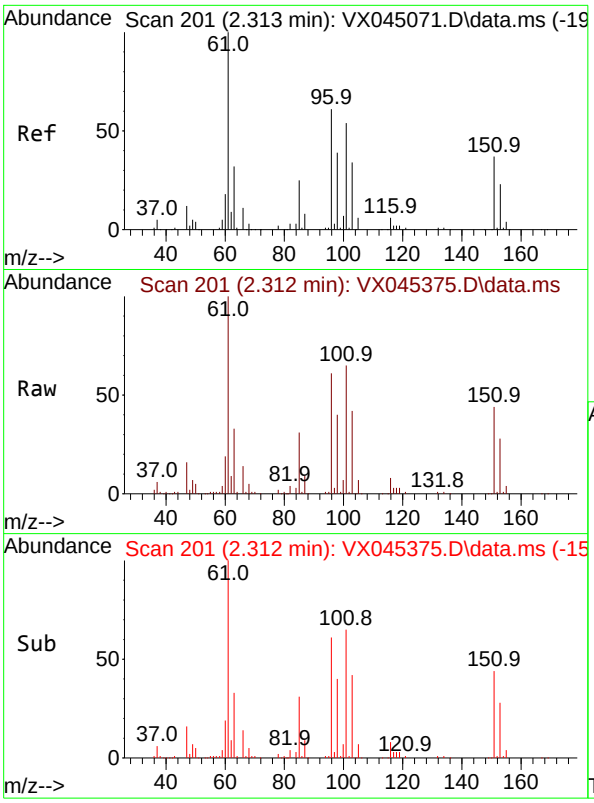


#8
Diethyl Ether
Concen: 45.807 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 74 Resp: 33633

Ion	Ratio	Lower	Upper
74	100		
45	110.0	51.5	154.5

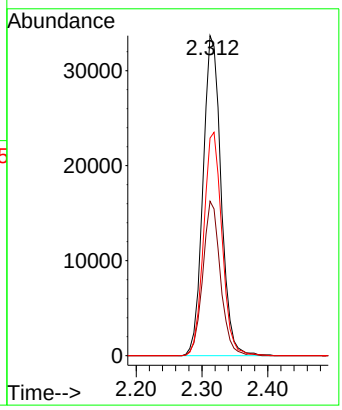




#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.577 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:101 Resp: 6425

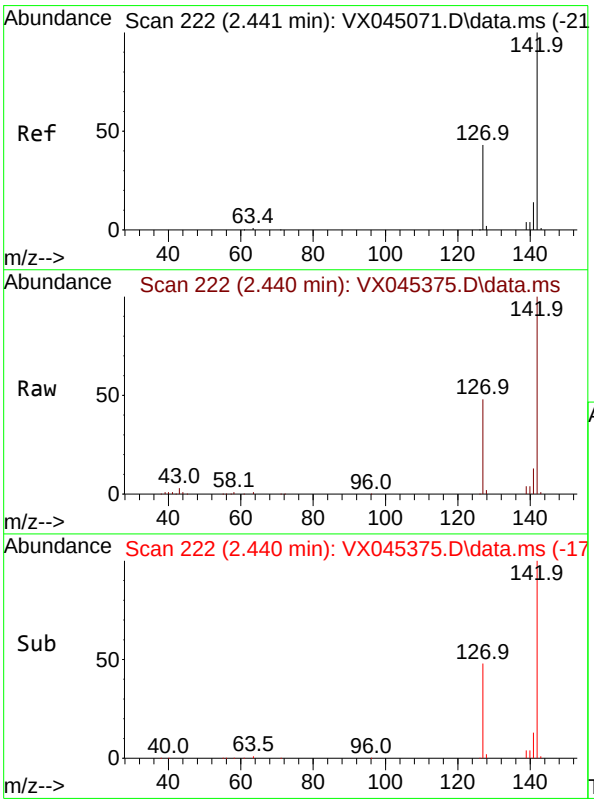
Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

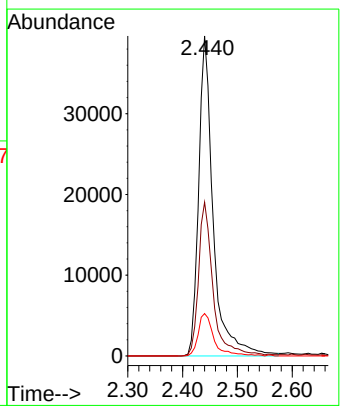
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

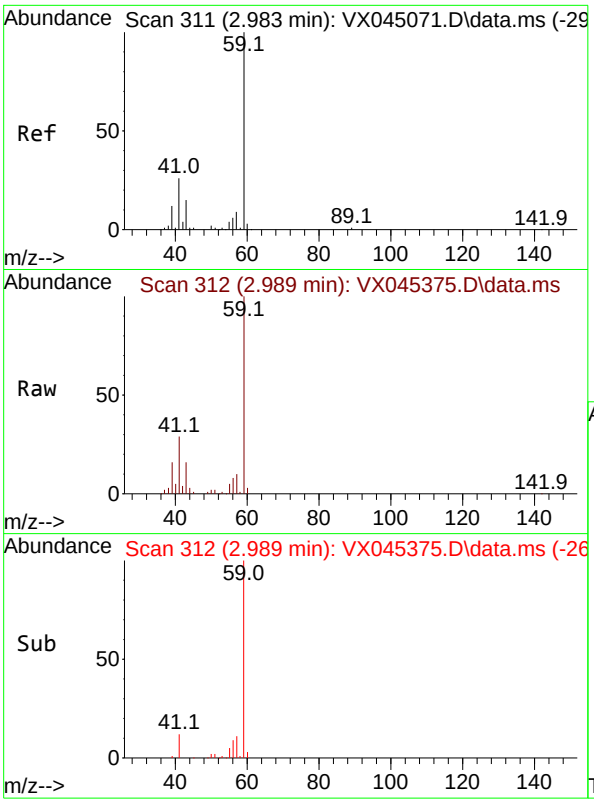


#10
Methyl Iodide
Concen: 54.343 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:142 Resp: 73240

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.4	11.6	17.4

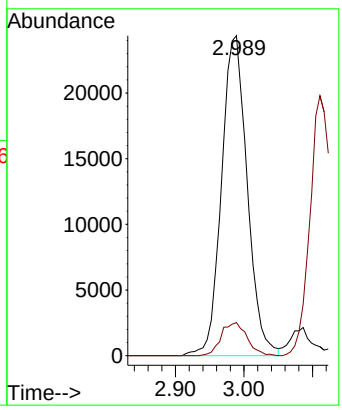




#11
Tert butyl alcohol
Concen: 227.264 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 59 Resp: 6353

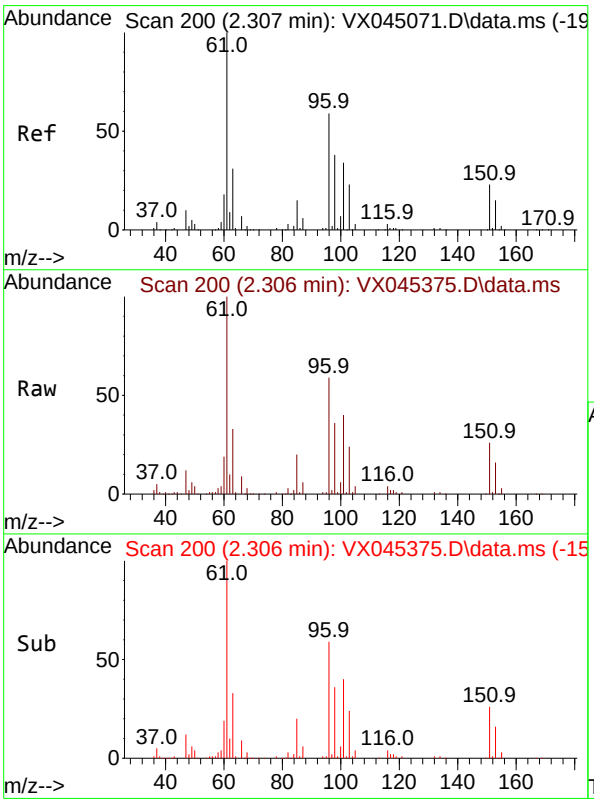
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

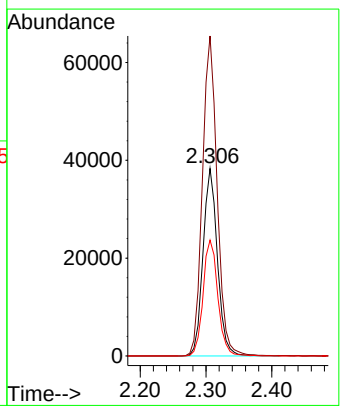
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

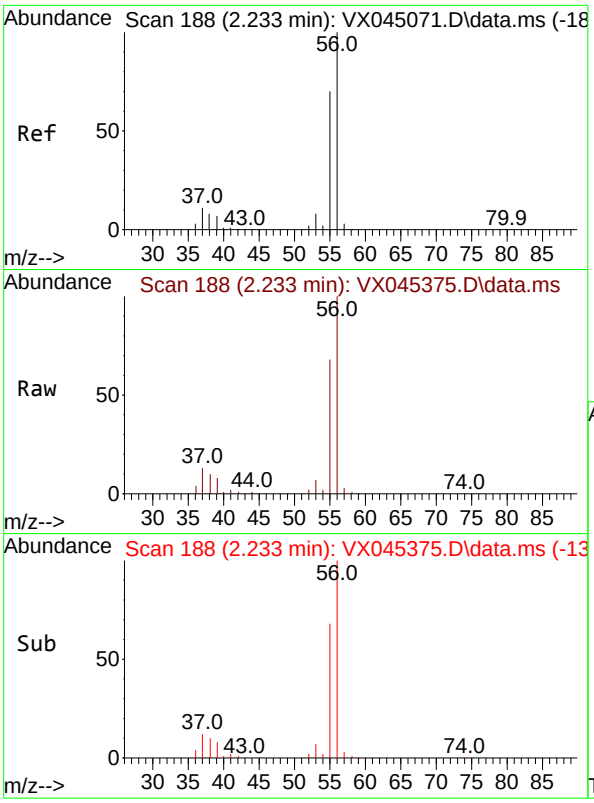


#12
1,1-Dichloroethene
Concen: 51.410 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 58618

Ion	Ratio	Lower	Upper
96	100		
61	170.6	134.6	202.0
98	61.7	51.0	76.6

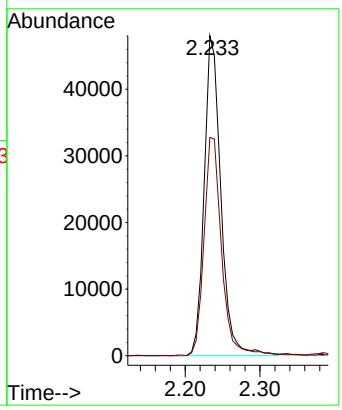




#13
Acrolein
Concen: 230.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 56 Resp: 7449

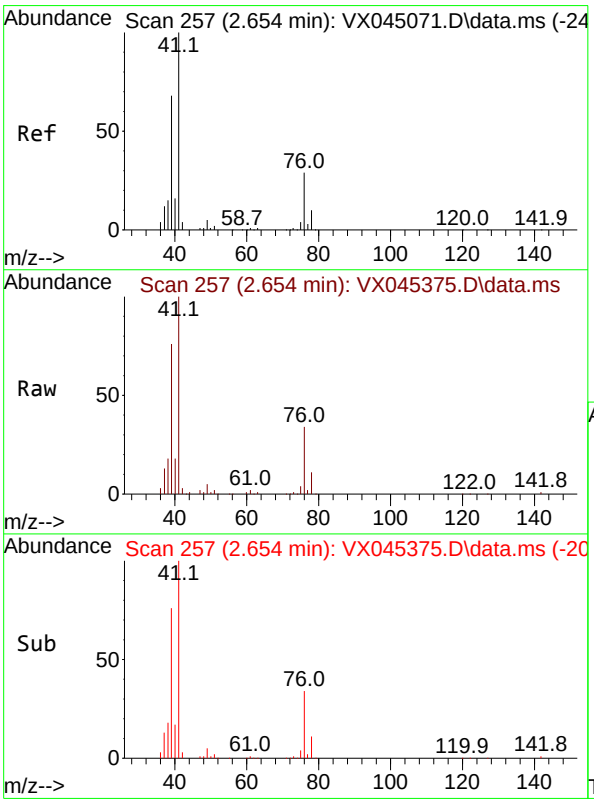
Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

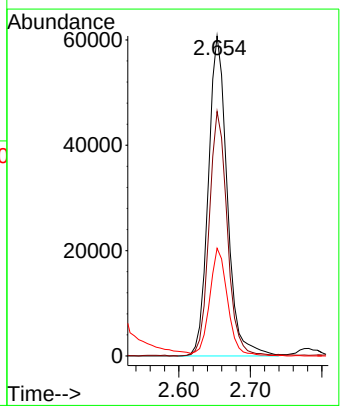
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

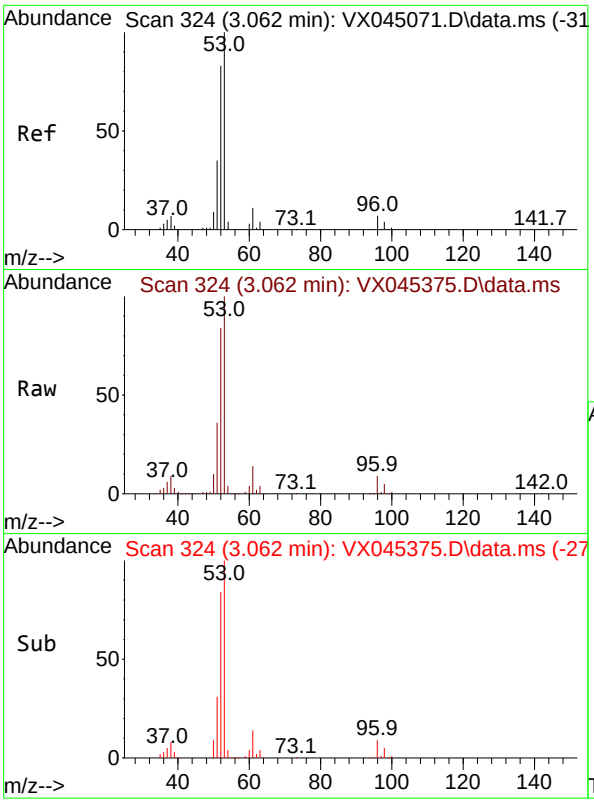


#14
Allyl chloride
Concen: 55.012 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 111653

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	32.0	25.2	37.8





#15
Acrylonitrile
Concen: 267.415 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

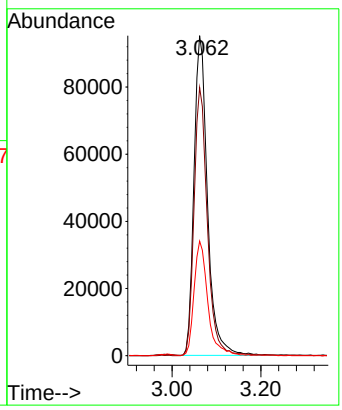
Tgt Ion: 53 Resp: 20037

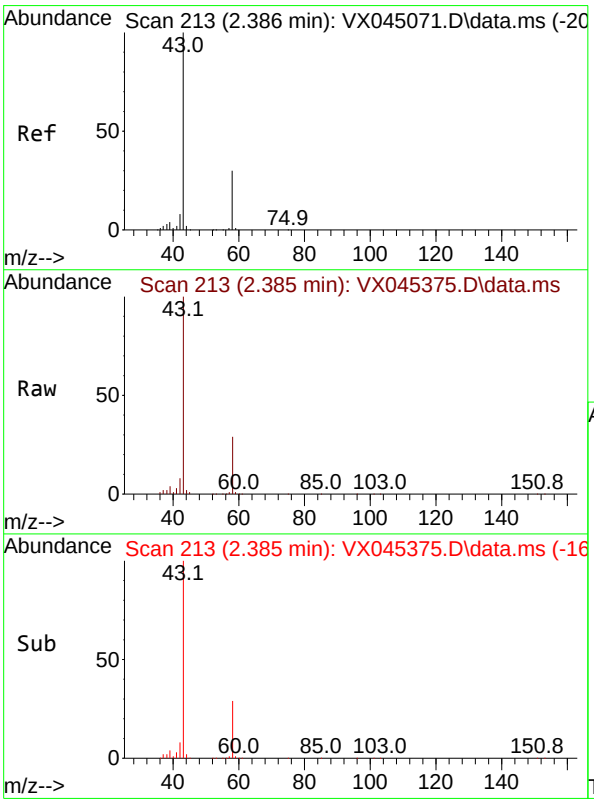
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.4	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

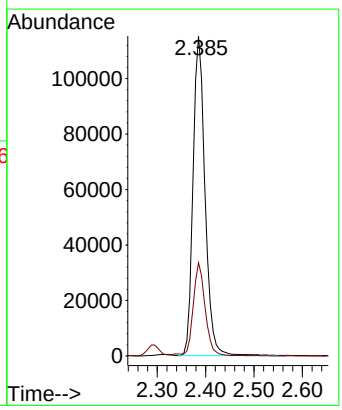


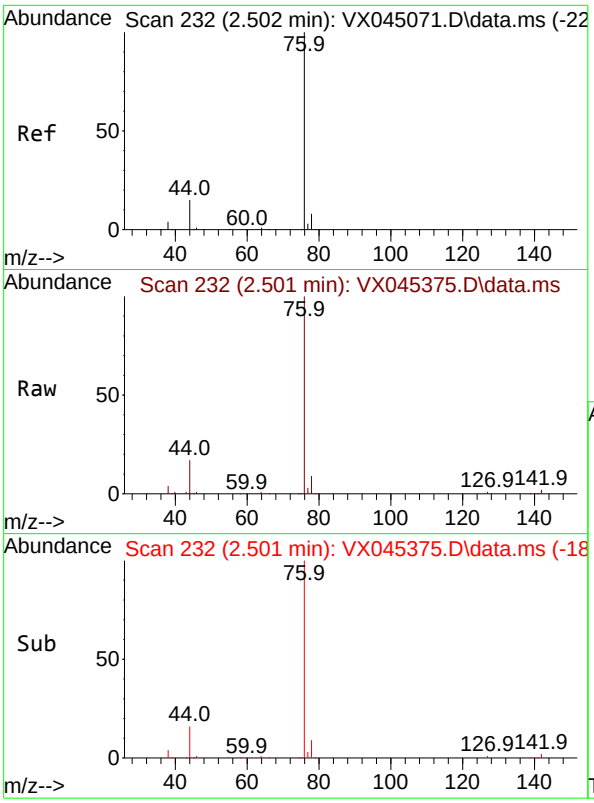


#16
Acetone
Concen: 288.897 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 197839

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4

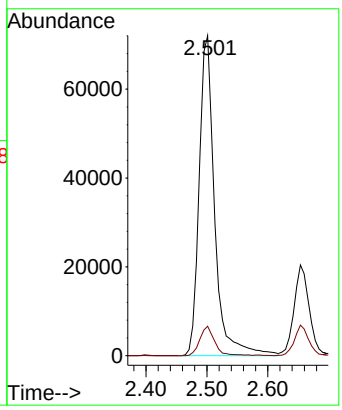




#17
Carbon Disulfide
Concen: 41.928 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 76 Resp: 12733

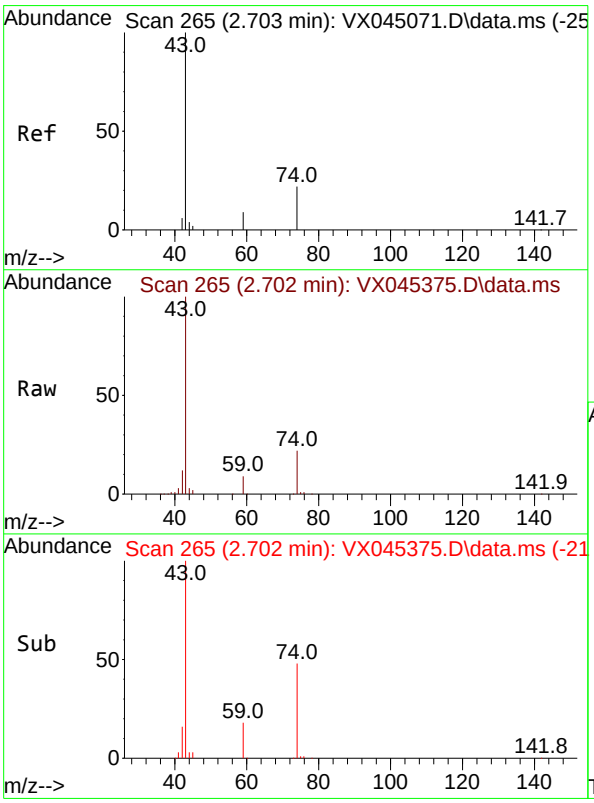
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

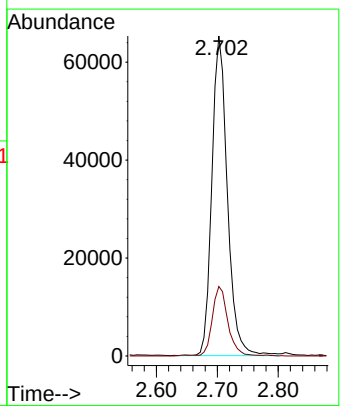
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

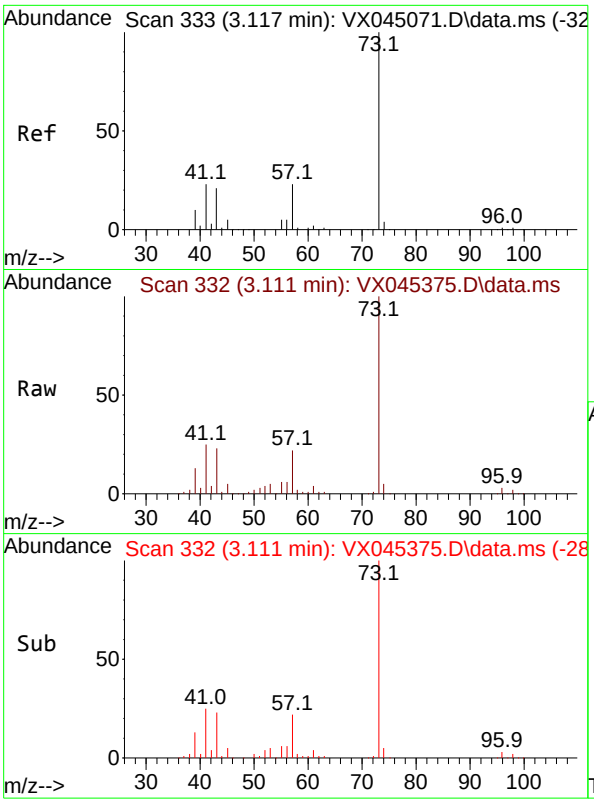


#18
Methyl Acetate
Concen: 70.079 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 115450

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2

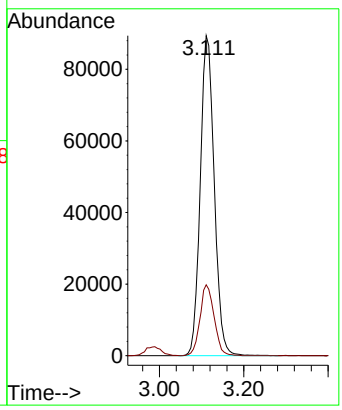




#19
Methyl tert-butyl Ether
Concen: 53.992 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 73 Resp: 20654

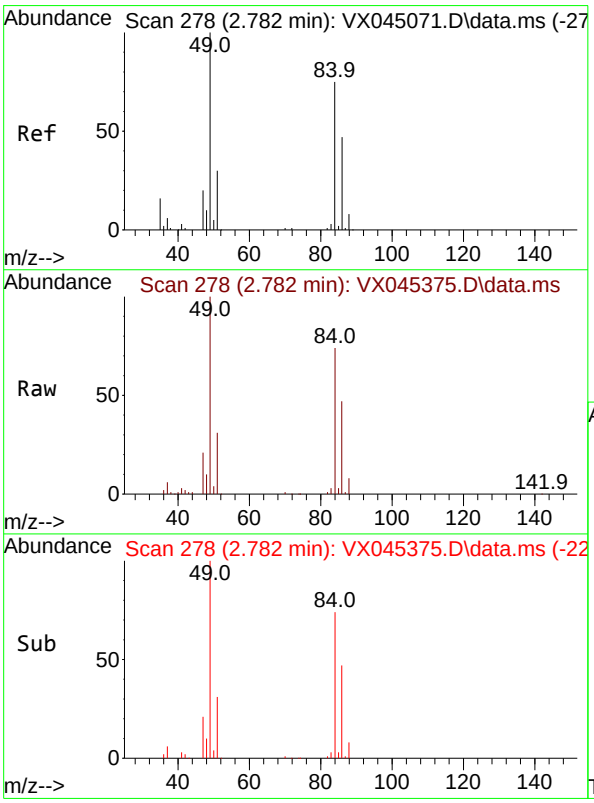
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

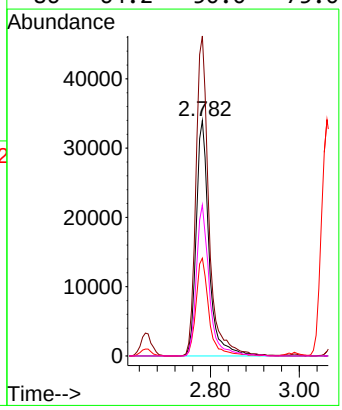
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

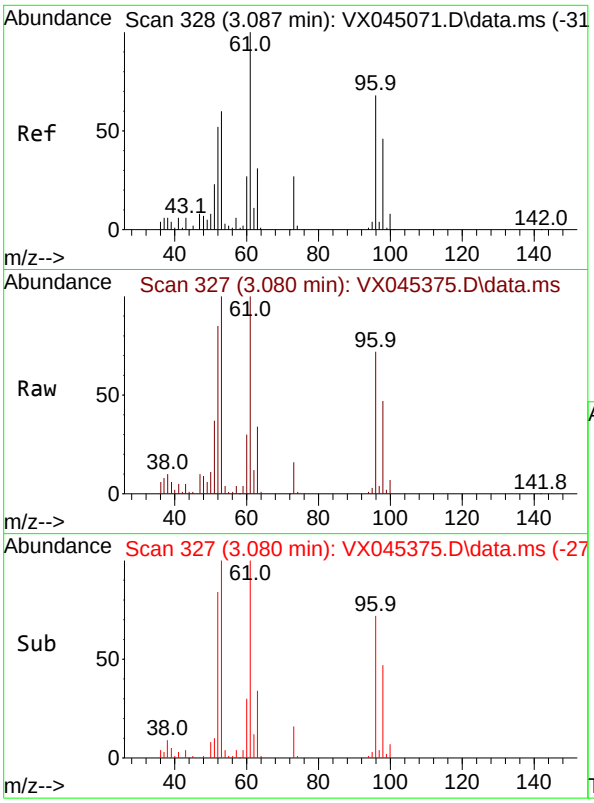


#20
Methylene Chloride
Concen: 50.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 84 Resp: 68170

Ion	Ratio	Lower	Upper
84	100		
49	136.0	106.5	159.7
51	41.5	32.1	48.1
86	64.2	50.0	75.0

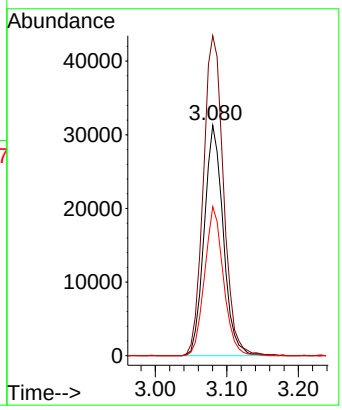




#21
trans-1,2-Dichloroethene
Concen: 51.494 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 5800

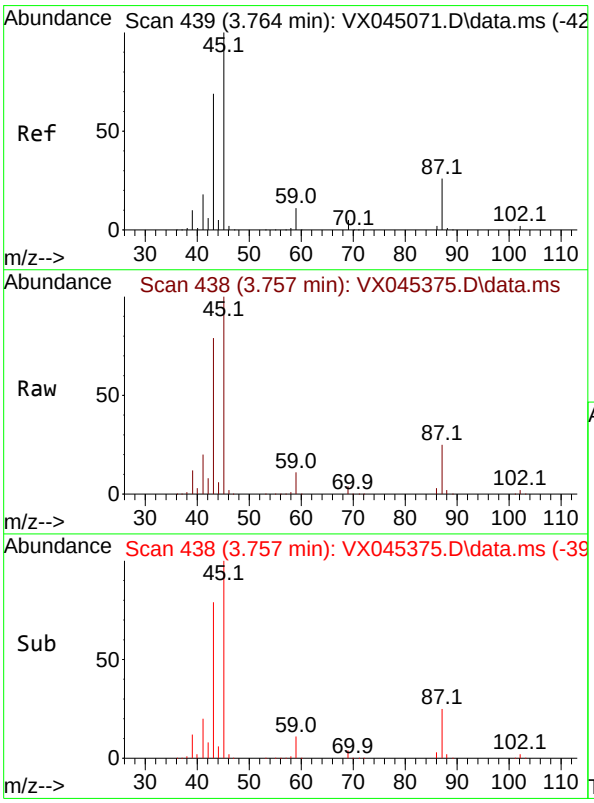
Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.0	175.4
98	64.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

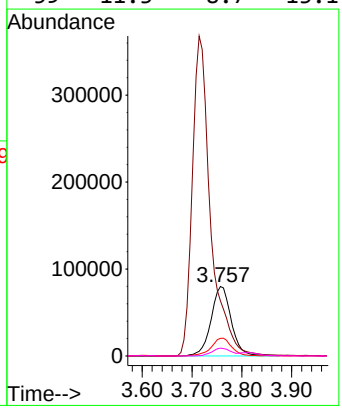
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

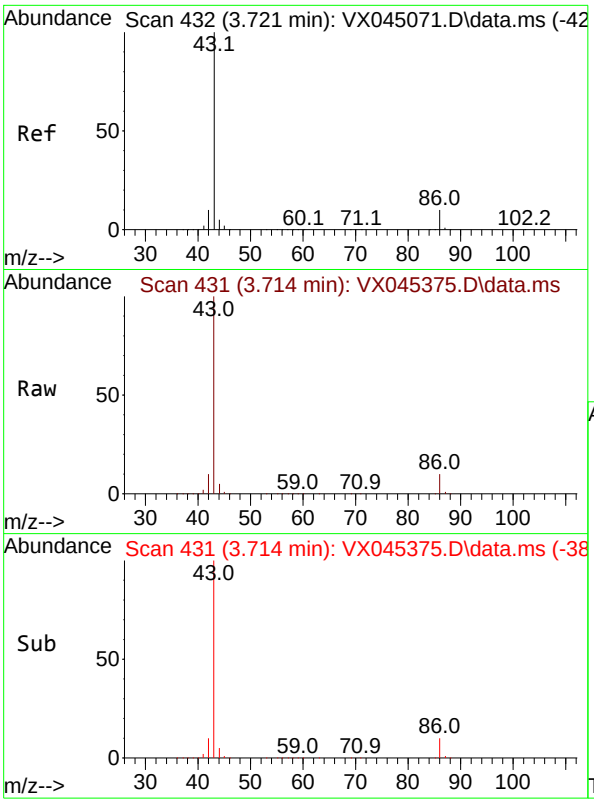


#22
Diisopropyl ether
Concen: 54.361 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 45 Resp: 224386

Ion	Ratio	Lower	Upper
45	100		
43	78.4	54.9	82.3
87	25.4	21.0	31.4
59	11.3	8.7	13.1

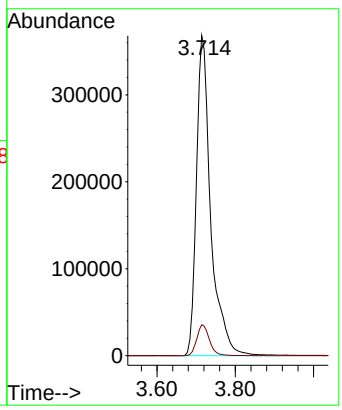




#23
Vinyl Acetate
Concen: 272.307 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 93799

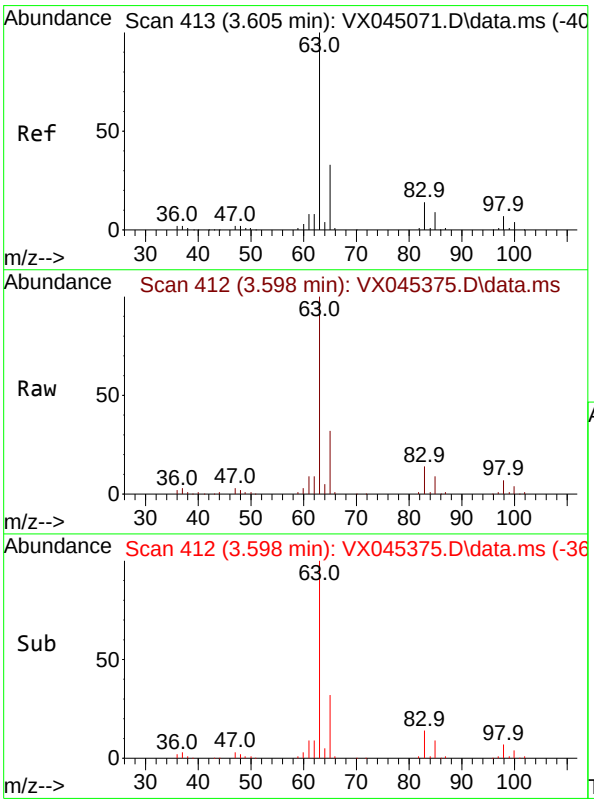
Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

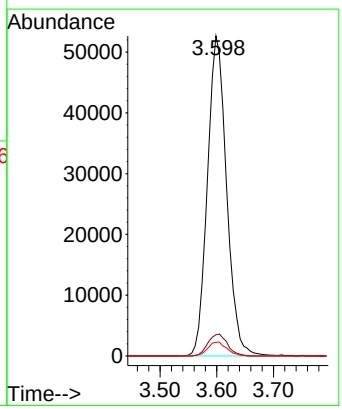
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

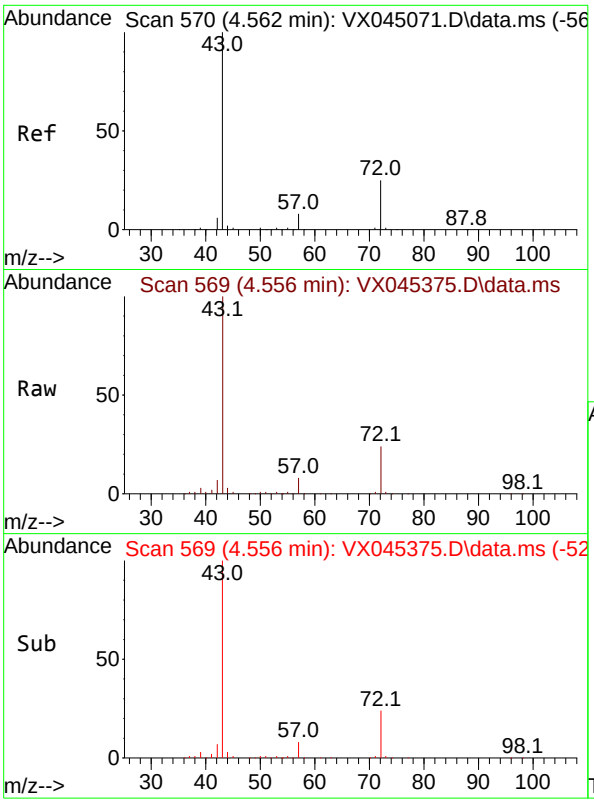


#24
1,1-Dichloroethane
Concen: 53.425 ug/l
RT: 3.598 min Scan# 412
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 123590

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.2	2.1	6.5

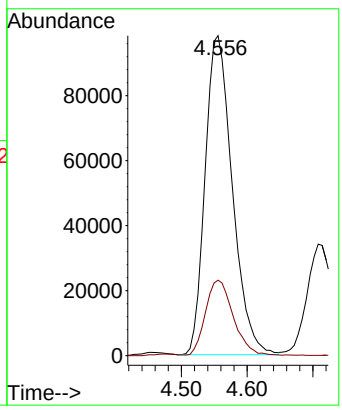




#25
2-Butanone
Concen: 274.508 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 28296

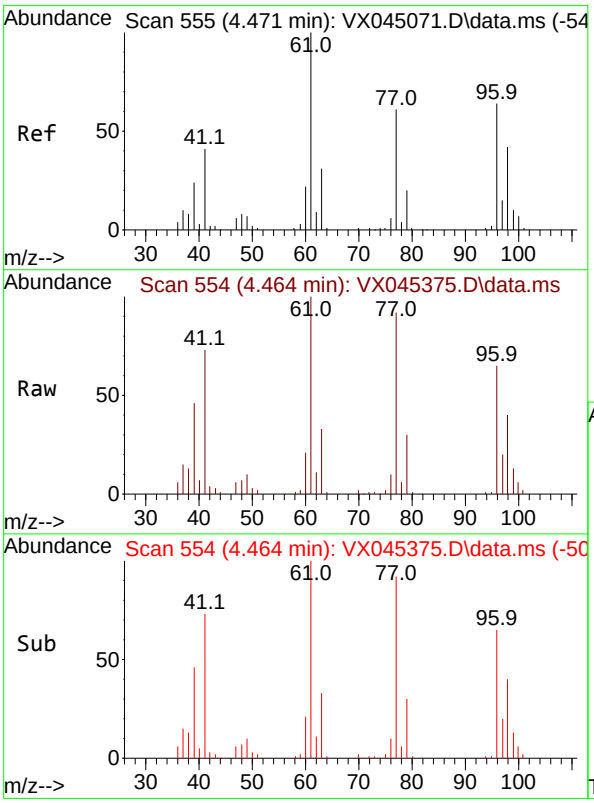
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

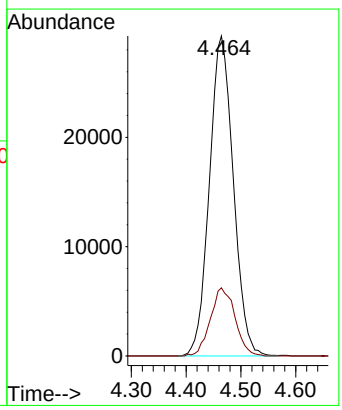
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

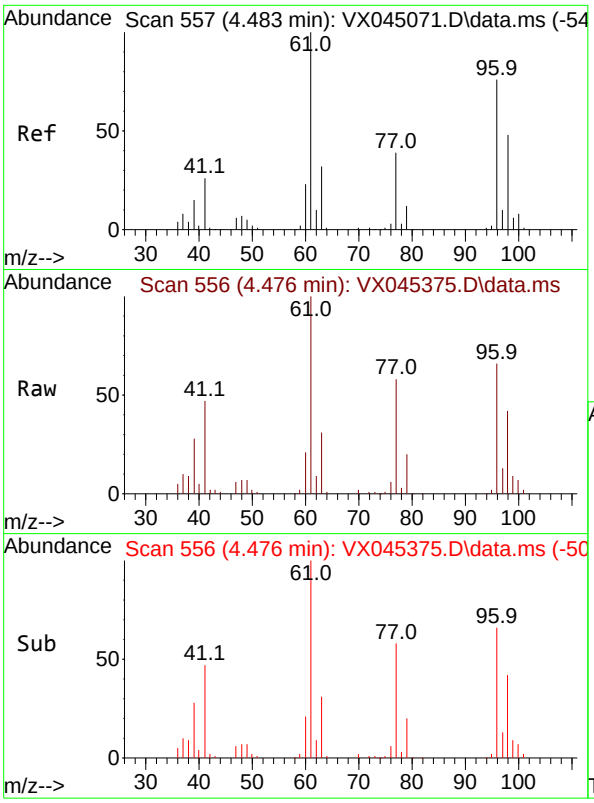


#26
2,2-Dichloropropane
Concen: 81.849 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 77 Resp: 88812

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0

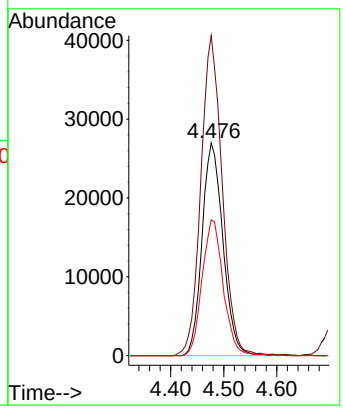




#27
cis-1,2-Dichloroethene
Concen: 53.306 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 7412

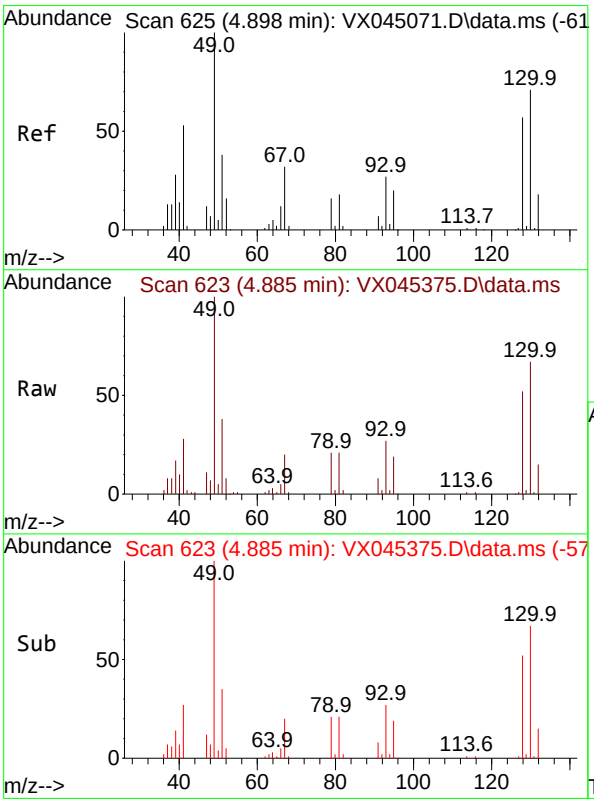
Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	283.2
98	64.2	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

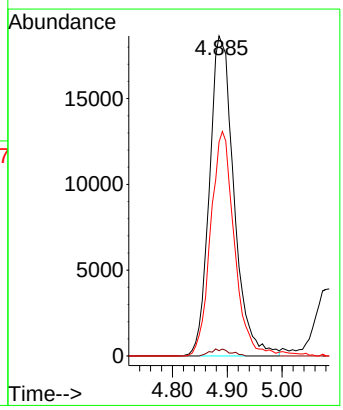
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

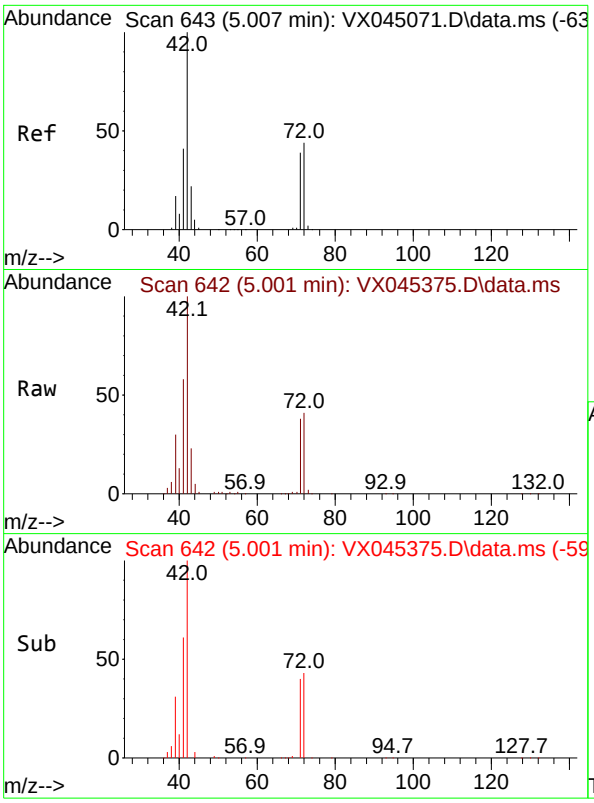


#28
Bromochloromethane
Concen: 52.401 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 49 Resp: 57779

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	67.9	56.1	84.1





#29
Tetrahydrofuran
Concen: 254.275 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

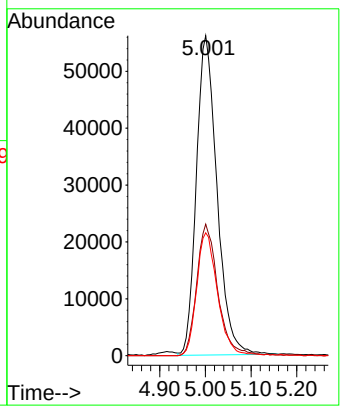
Tgt Ion: 42 Resp: 17601

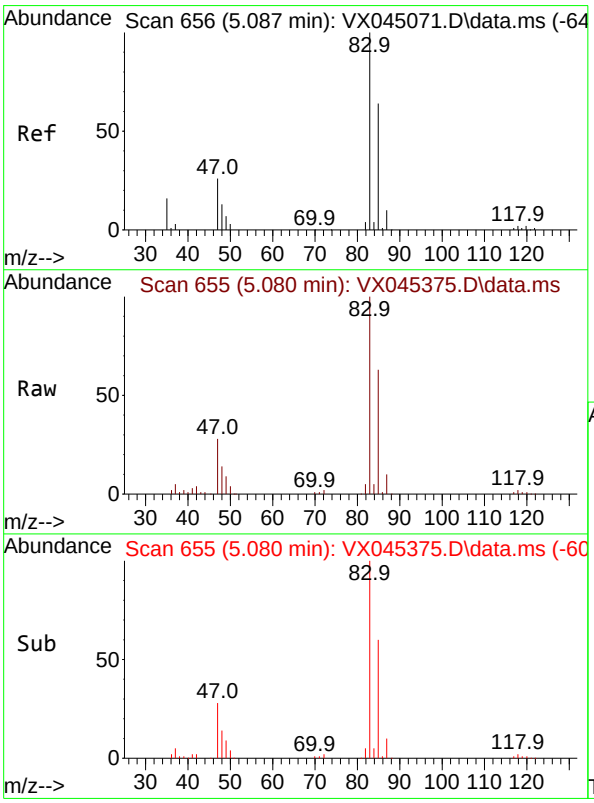
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

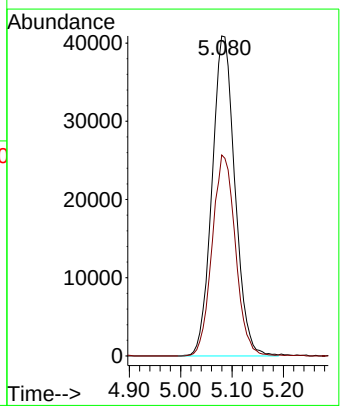


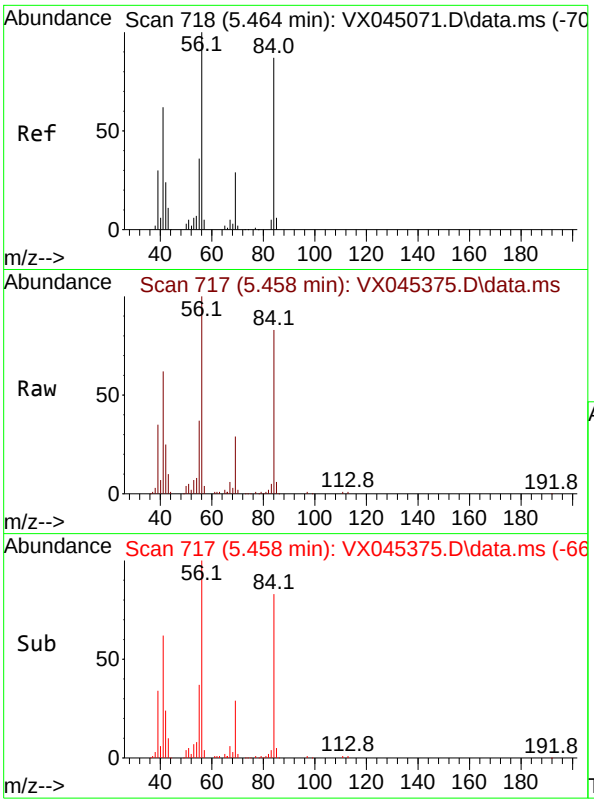


#30
Chloroform
Concen: 55.068 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 126577

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2





#31
Cyclohexane
Concen: 51.149 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

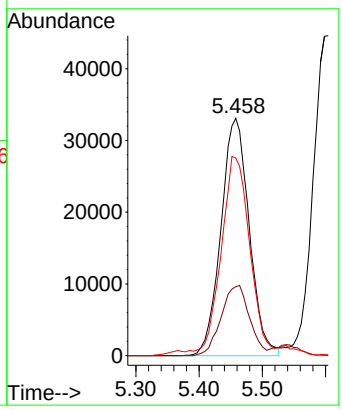
Tgt Ion: 56 Resp: 10271

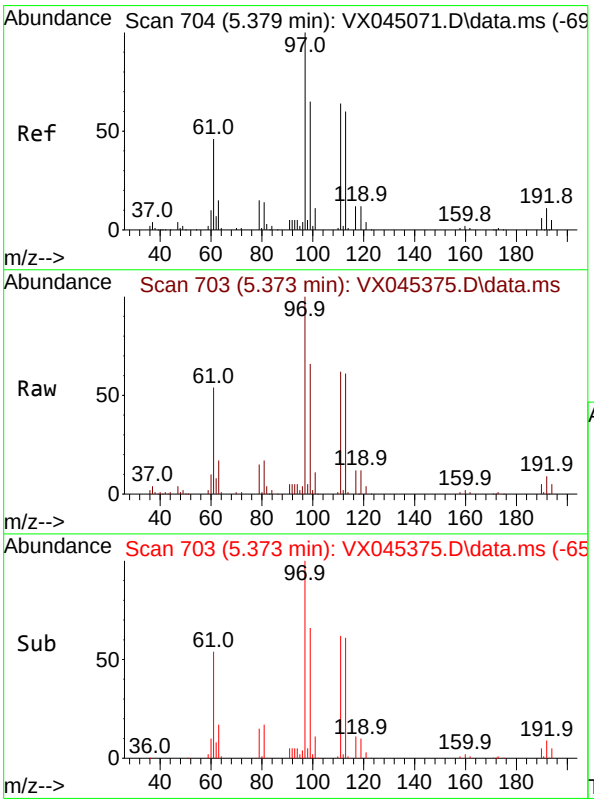
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	81.0	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

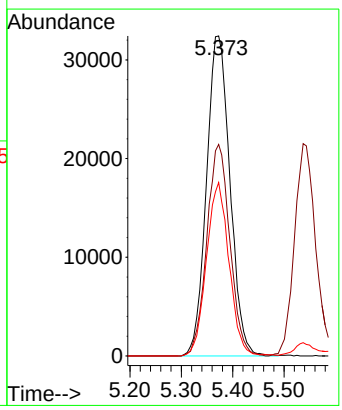


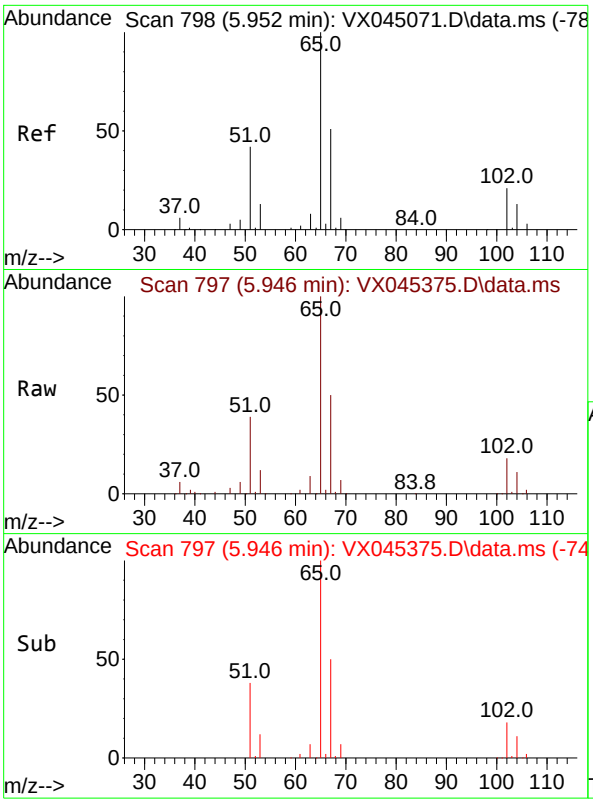


#32
1,1,1-Trichloroethane
Concen: 55.539 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 97 Resp: 103105

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	52.2	38.4	57.6

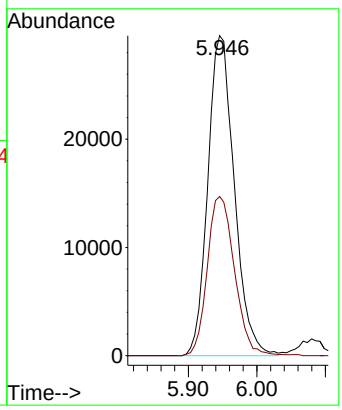




#33
1,2-Dichloroethane-d4
Concen: 53.804 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 65 Resp: 7941

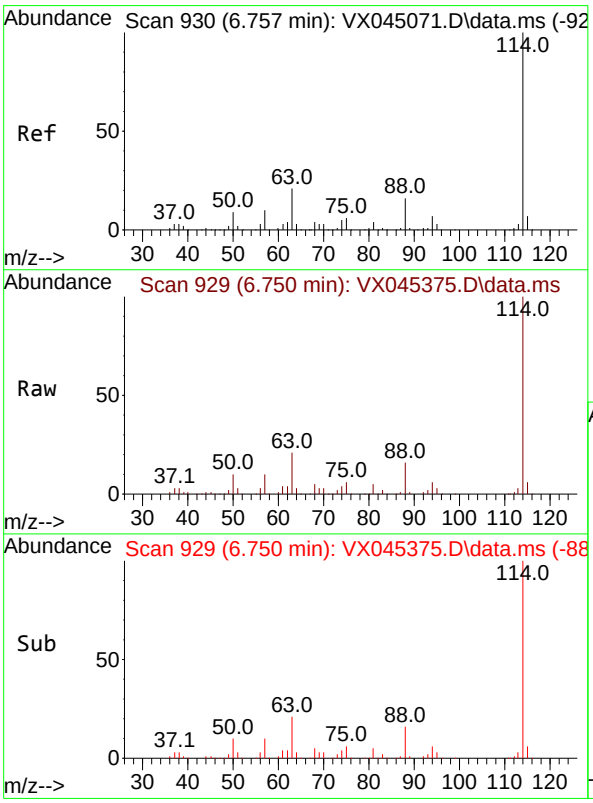
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

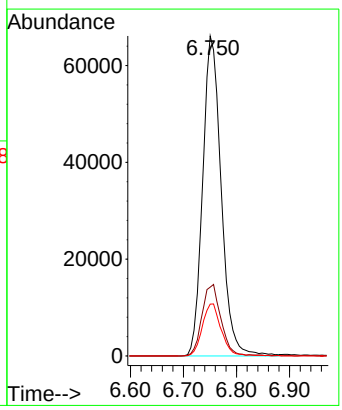
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

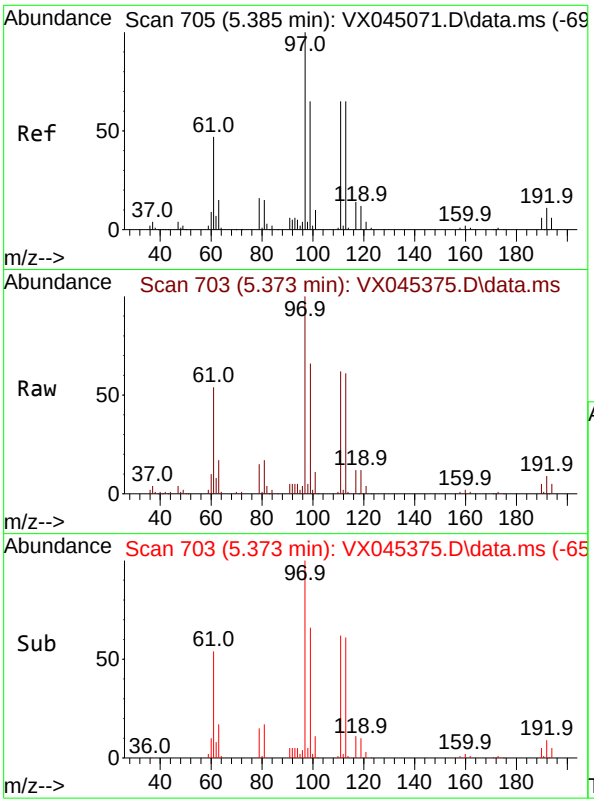


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:114 Resp: 160605

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.8
88	16.2	0.0	32.8

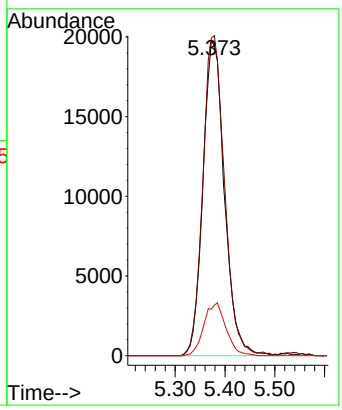




#35
Dibromofluoromethane
Concen: 55.112 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:113 Resp: 5918

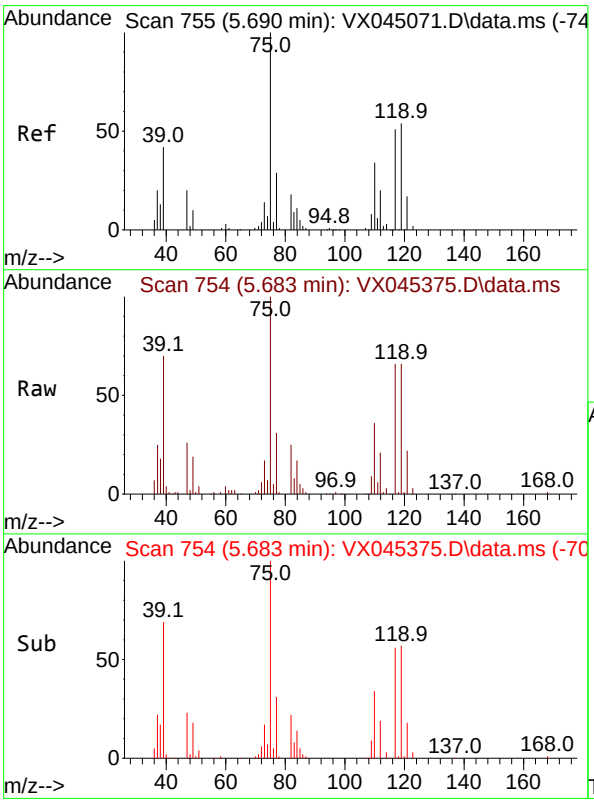
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

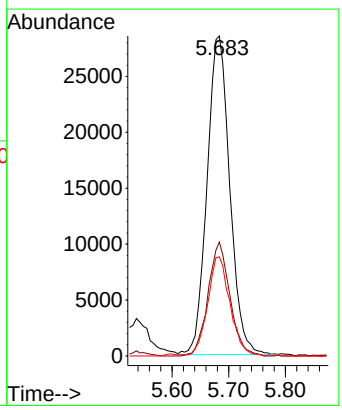
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

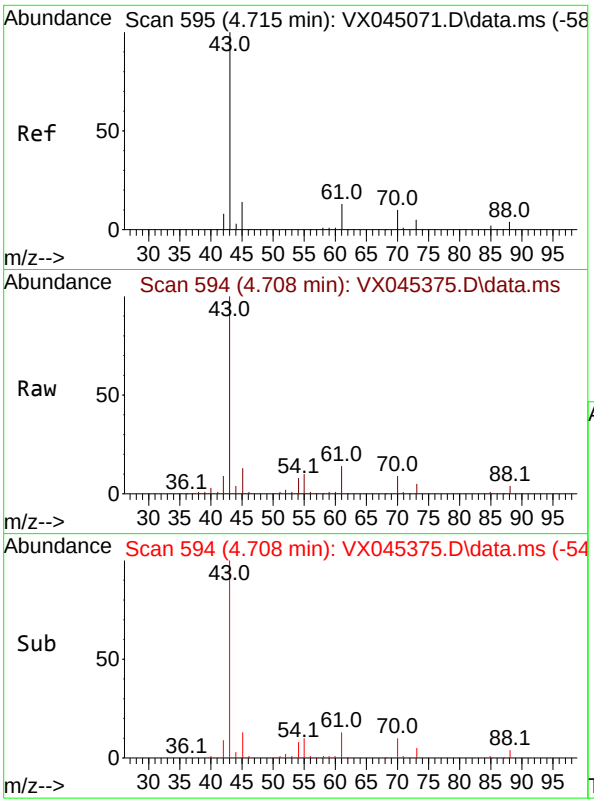


#36
1,1-Dichloropropene
Concen: 53.824 ug/l
RT: 5.683 min Scan# 754
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 79271

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.6	24.5	36.7

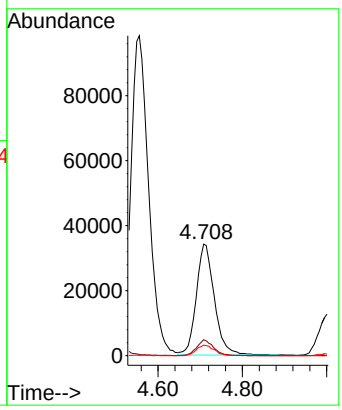




#37
Ethyl Acetate
Concen: 53.844 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 10218

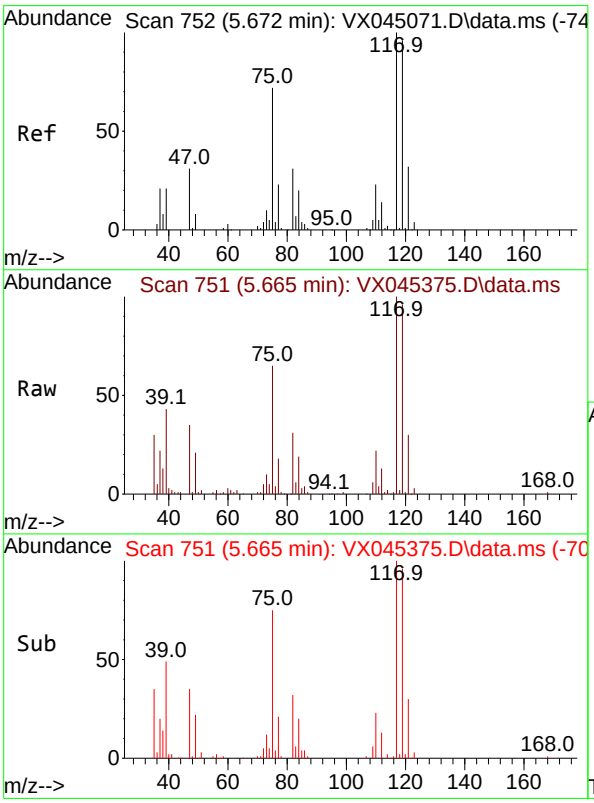
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

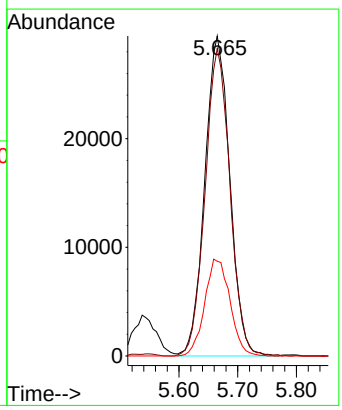
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

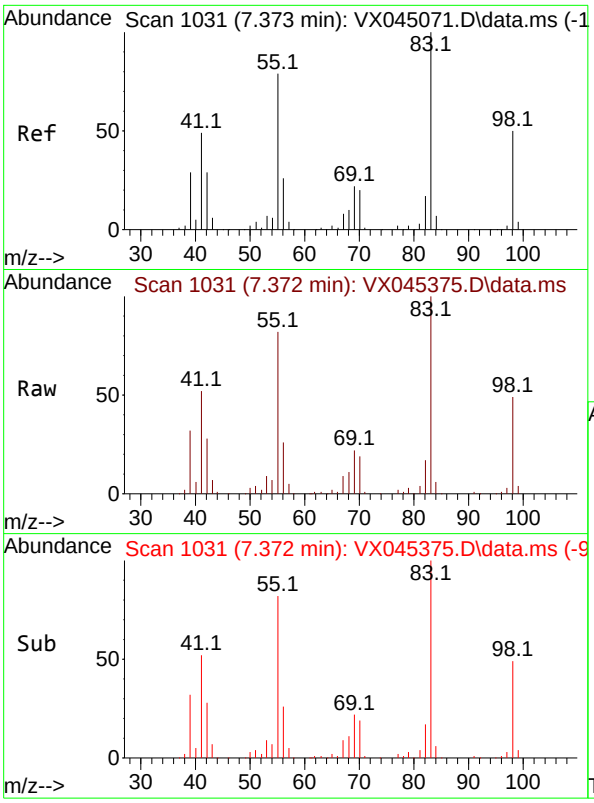


#38
Carbon Tetrachloride
Concen: 58.316 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 87195

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	29.6	25.5	38.3

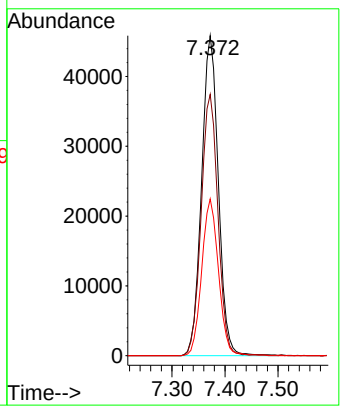




#39
Methylcyclohexane
Concen: 56.964 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 10052

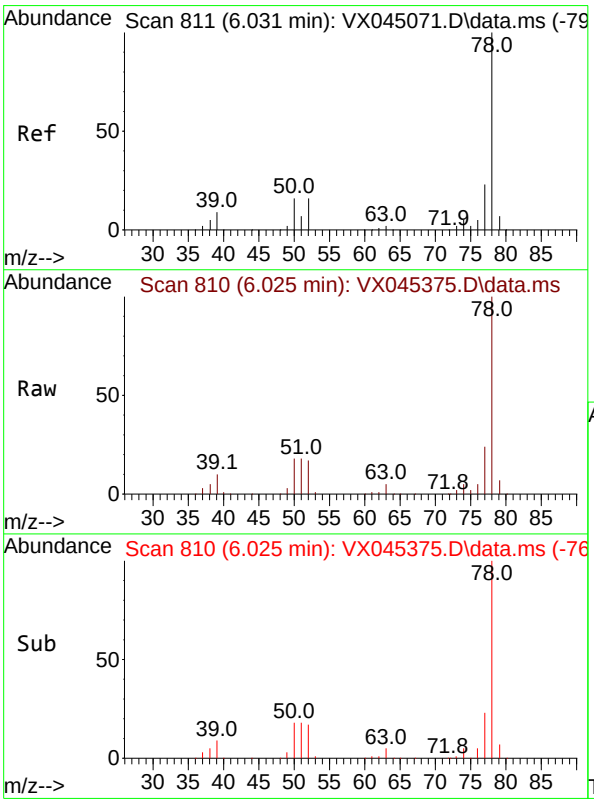
Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.0	94.4
98	49.0	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

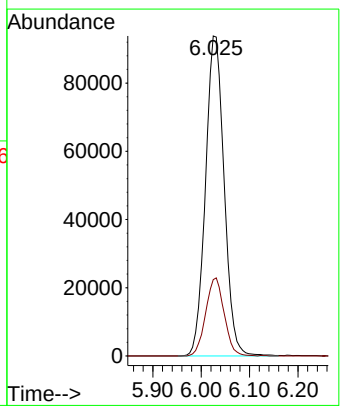
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

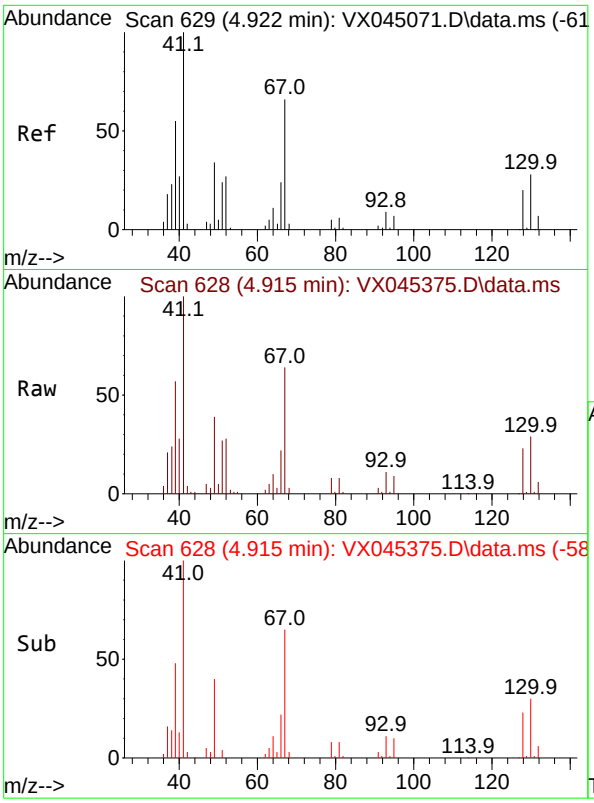


#40
Benzene
Concen: 54.071 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 78 Resp: 251470

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

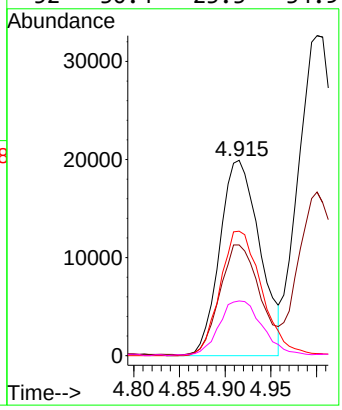




#41
Methacrylonitrile
Concen: 59.274 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 6082

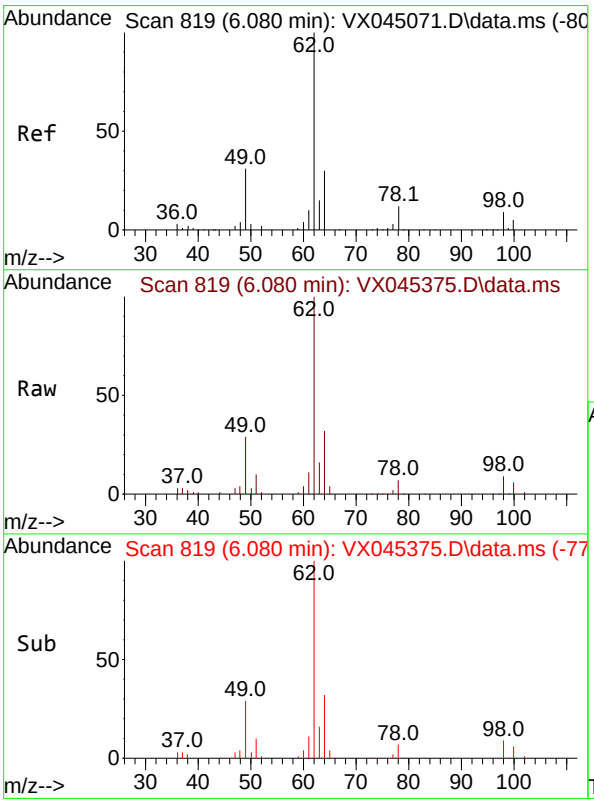
Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.6	67.0
67	66.6	53.9	80.9
52	30.4	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

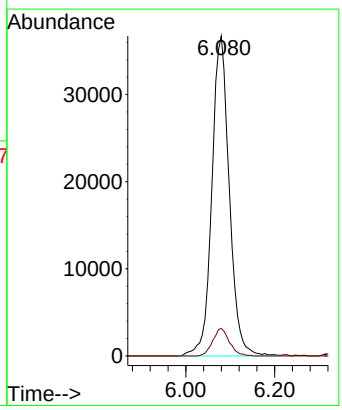
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

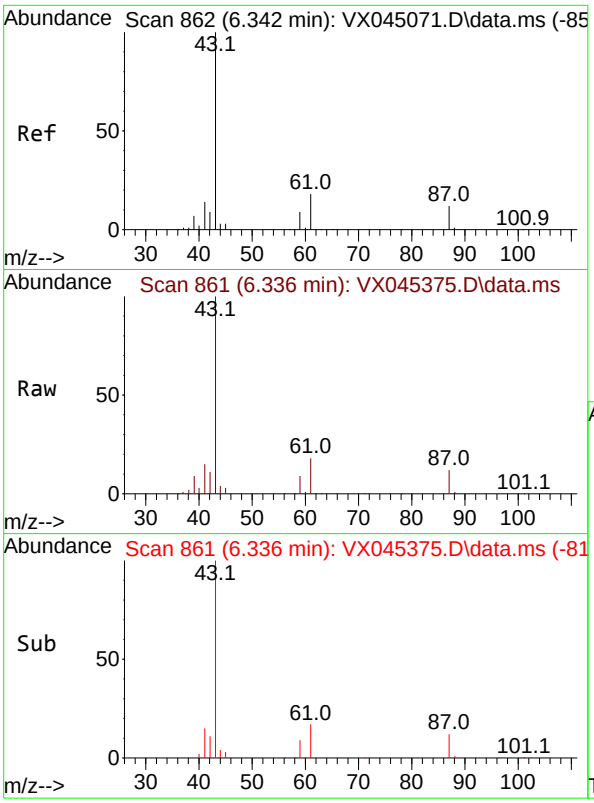


#42
1,2-Dichloroethane
Concen: 59.688 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 99960

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.2

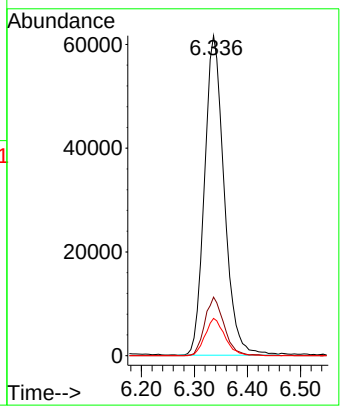




#43
Isopropyl Acetate
Concen: 56.586 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 15879

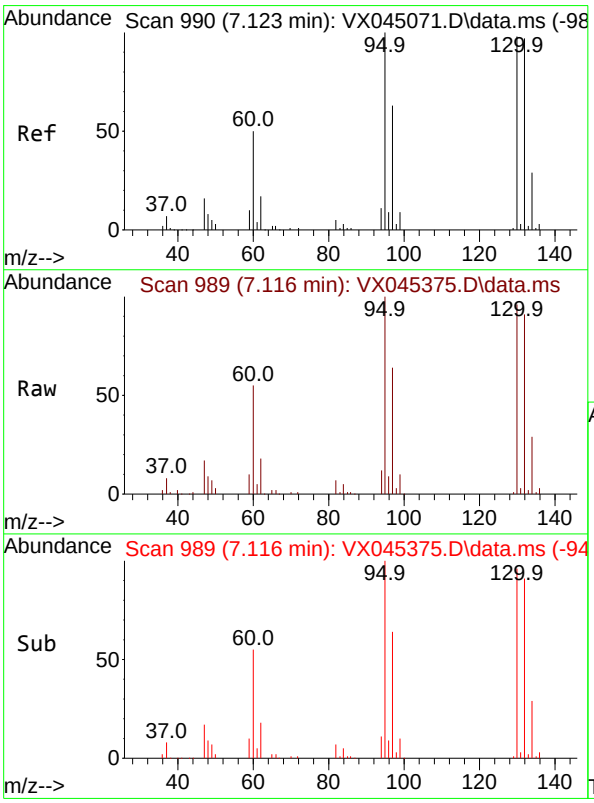
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.7	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

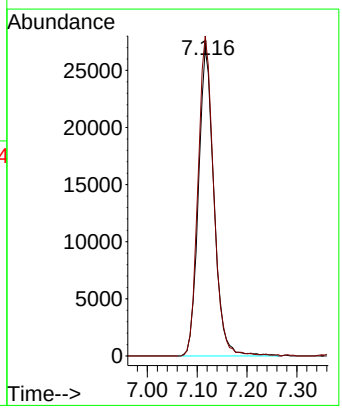
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

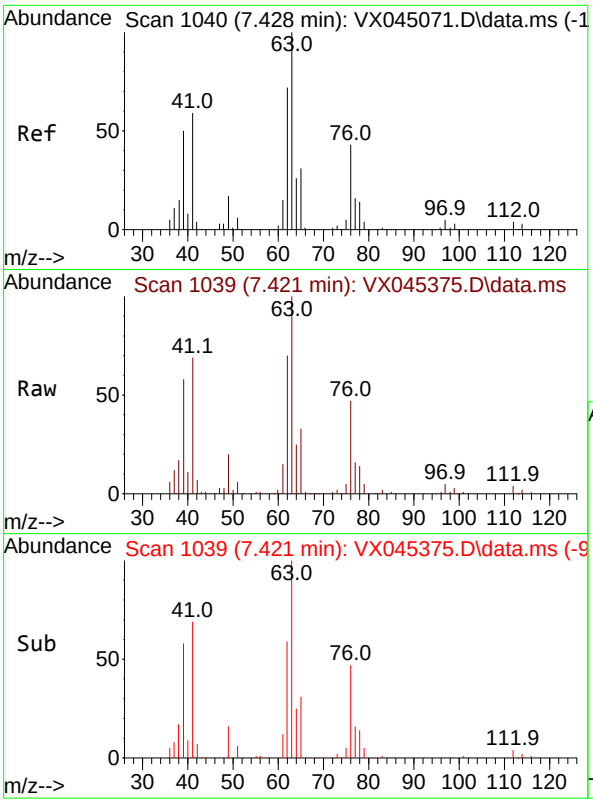


#44
Trichloroethene
Concen: 53.543 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:130 Resp: 58470

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0

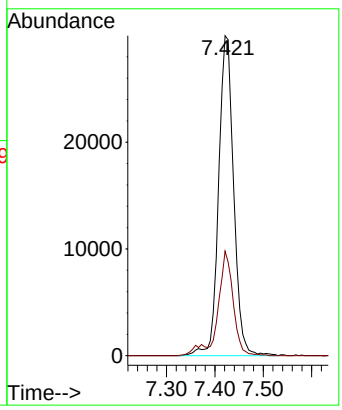




#45
1,2-Dichloropropane
Concen: 54.233 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 6484

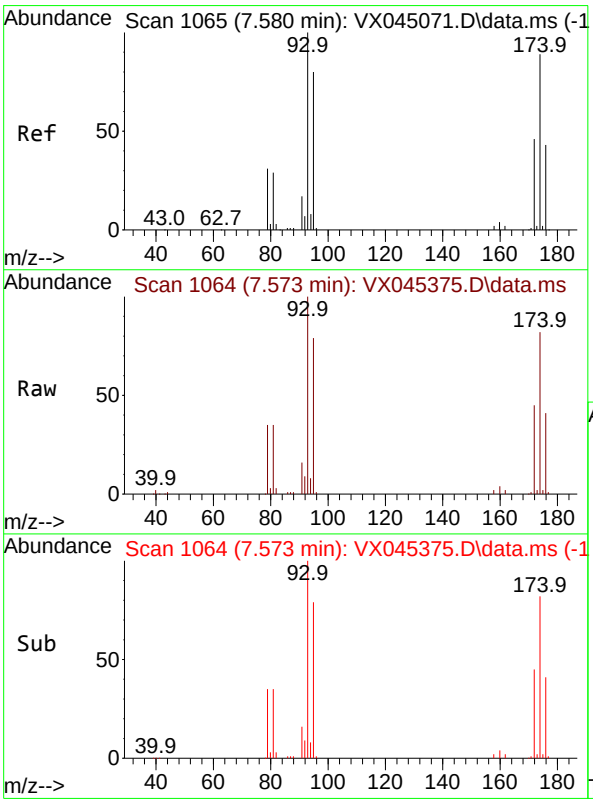
Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

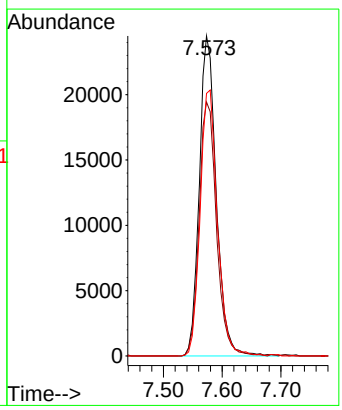
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

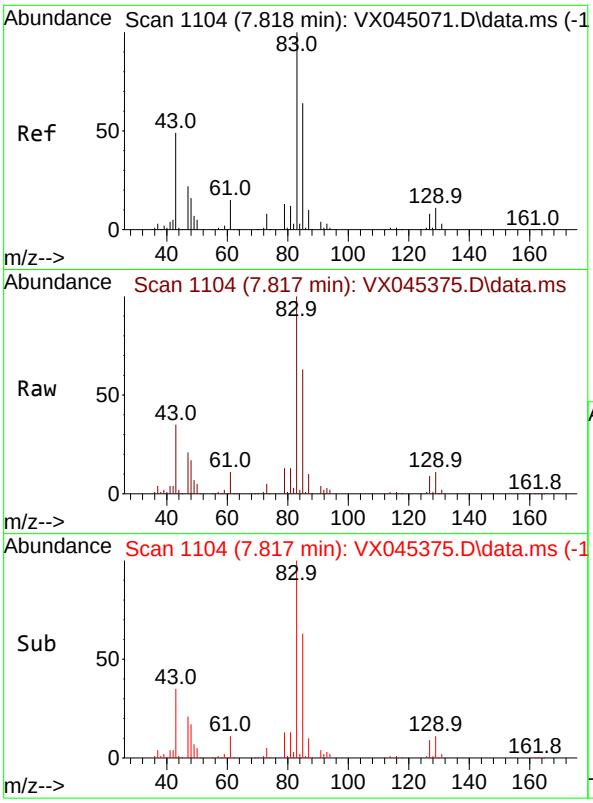


#46
Dibromomethane
Concen: 58.204 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 93 Resp: 49192

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	85.1	72.2	108.2

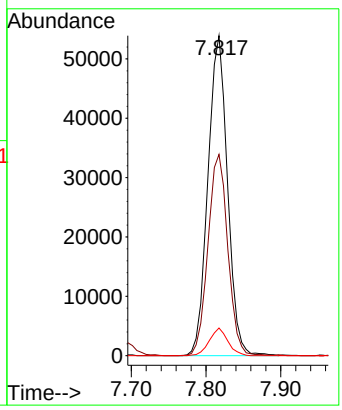




#47
Bromodichloromethane
Concen: 59.351 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 9839

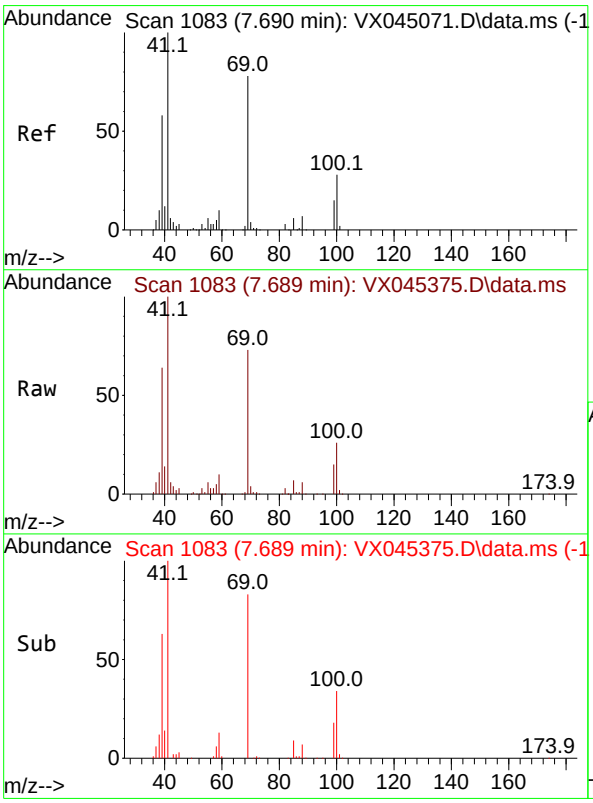
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

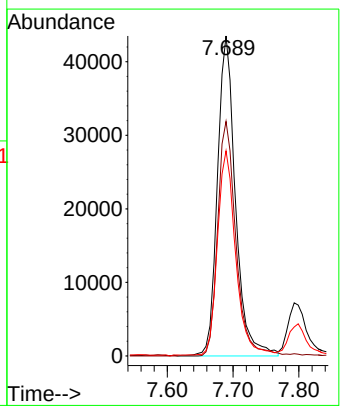
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

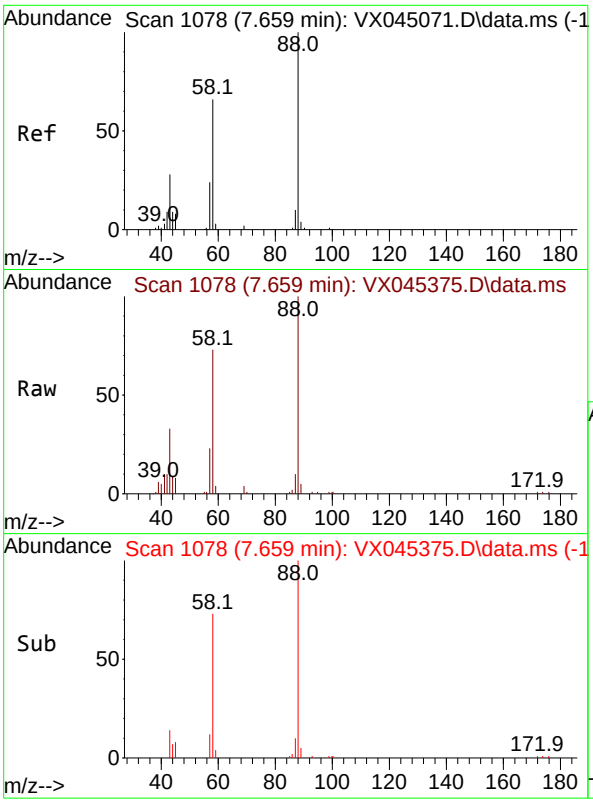


#48
Methyl methacrylate
Concen: 59.086 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 83186

Ion	Ratio	Lower	Upper
41	100		
69	73.9	63.0	94.6
39	63.9	47.5	71.3

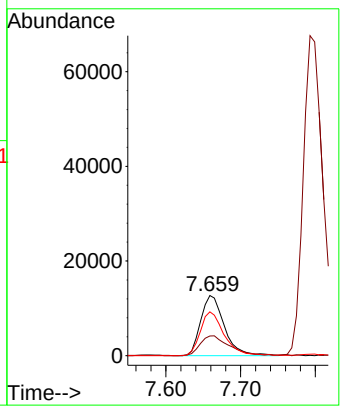




#49
1,4-Dioxane
Concen: 938.459 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 88 Resp: 2787

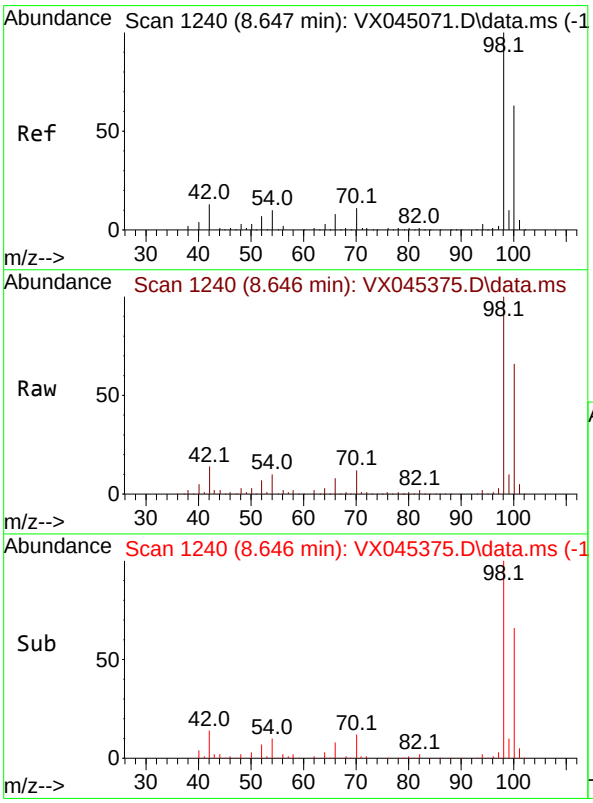
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.7	43.1
58	73.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

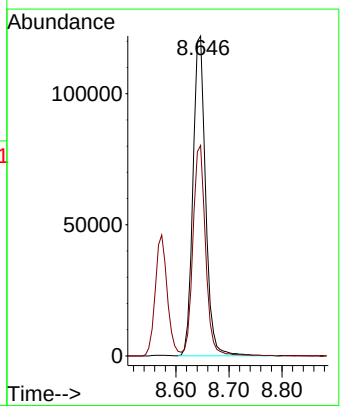
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

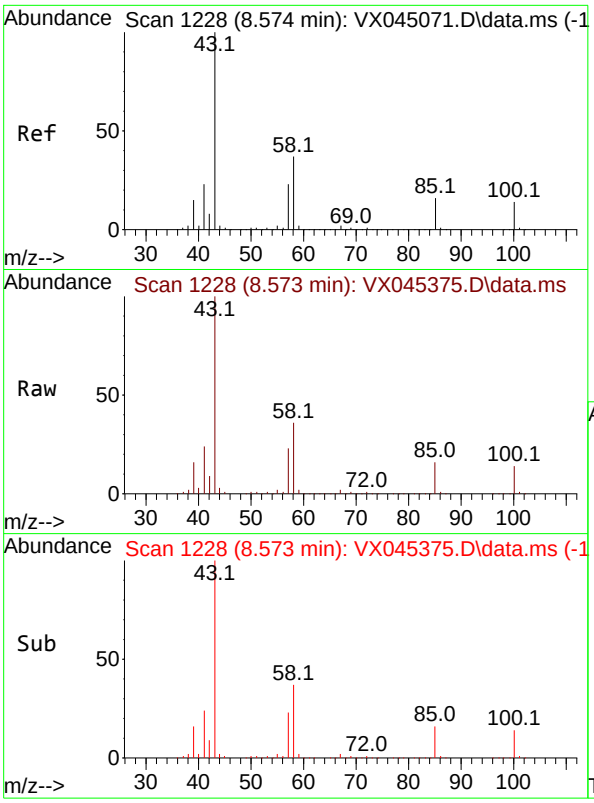


#50
Toluene-d8
Concen: 51.765 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 98 Resp: 201541

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

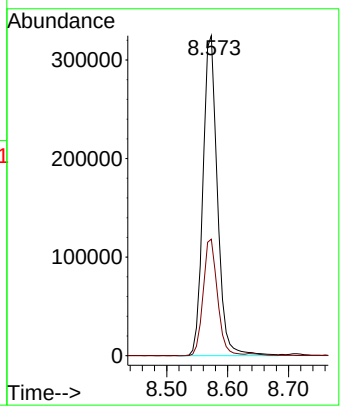




#51
4-Methyl-2-Pentanone
Concen: 284.145 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 53540

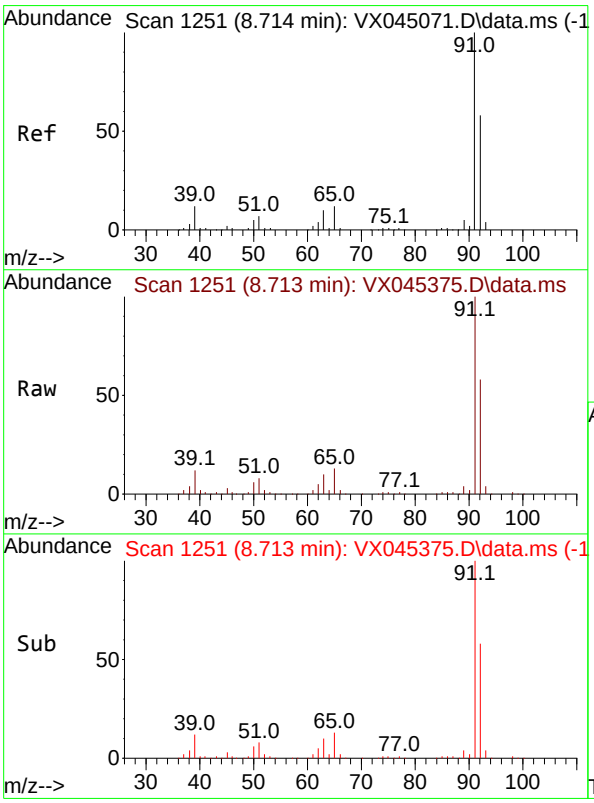
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

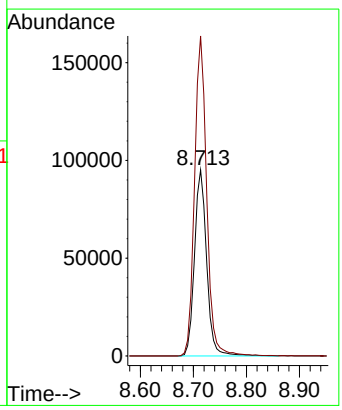
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

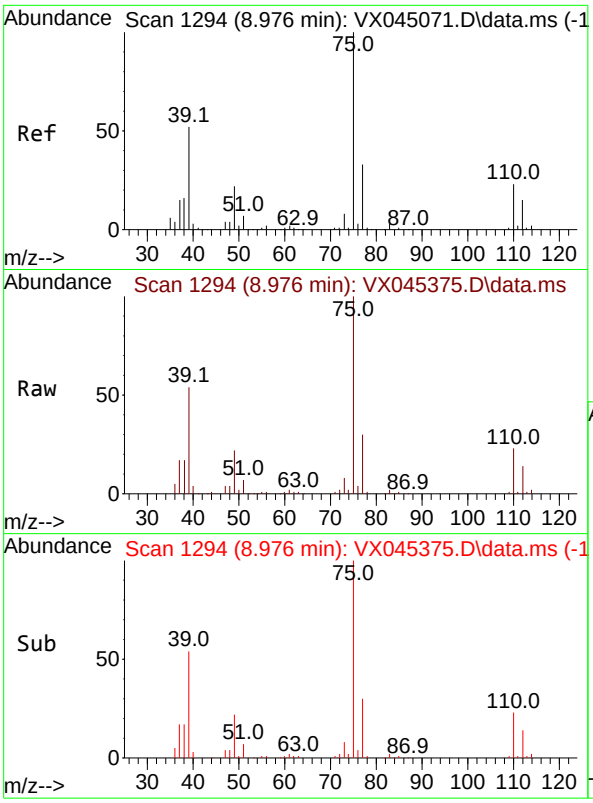


#52
Toluene
Concen: 55.490 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 92 Resp: 151414

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.9	208.3

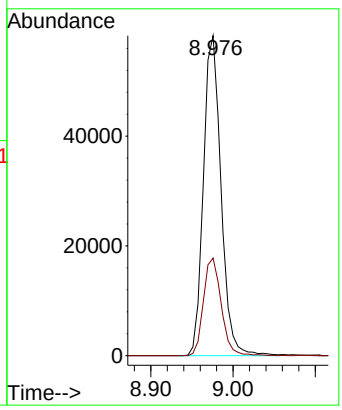




#53
t-1,3-Dichloropropene
Concen: 62.714 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 8691

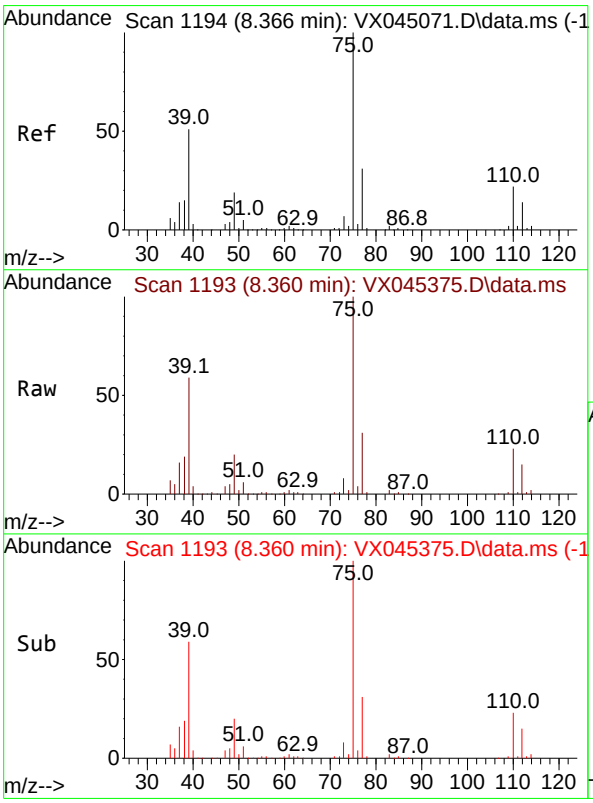
Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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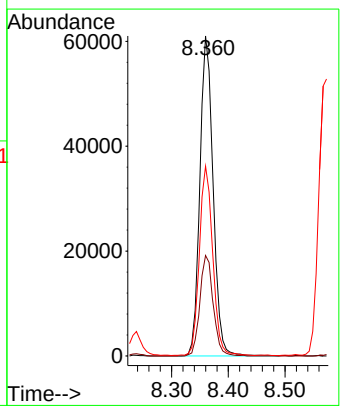
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

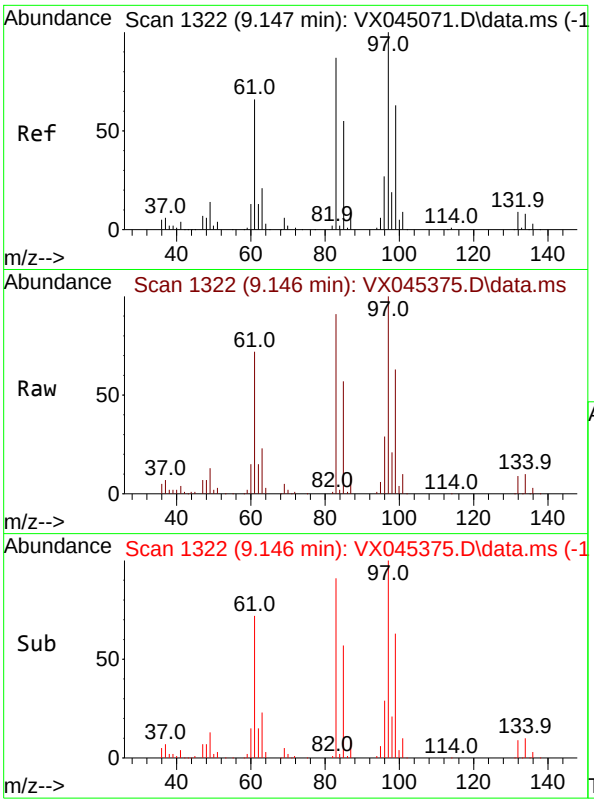


#54
cis-1,3-Dichloropropene
Concen: 61.078 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 98708

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	59.2	40.7	61.1

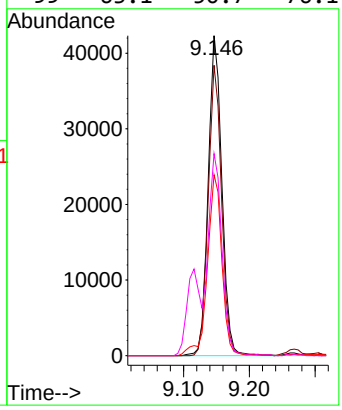




#55
1,1,2-Trichloroethane
Concen: 54.637 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 97 Resp: 6137

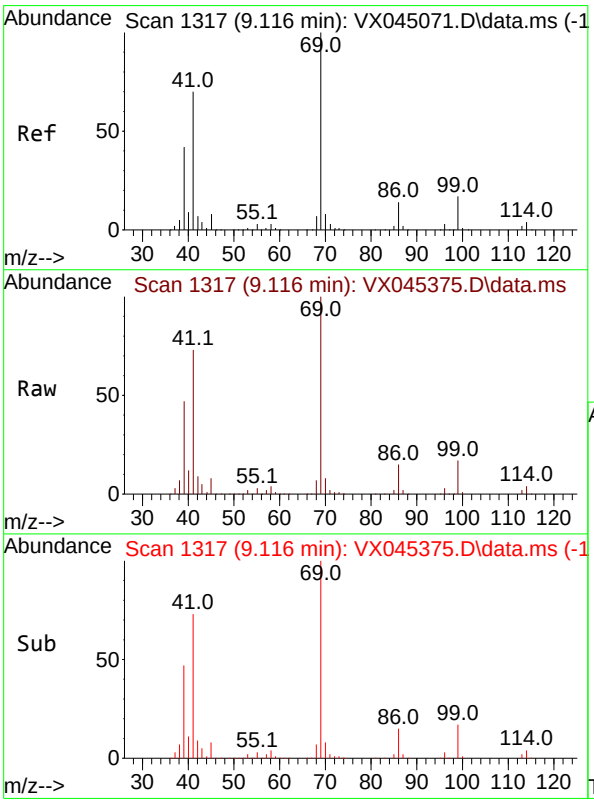
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.2
85	56.5	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

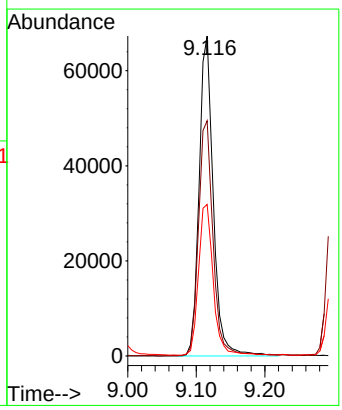
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

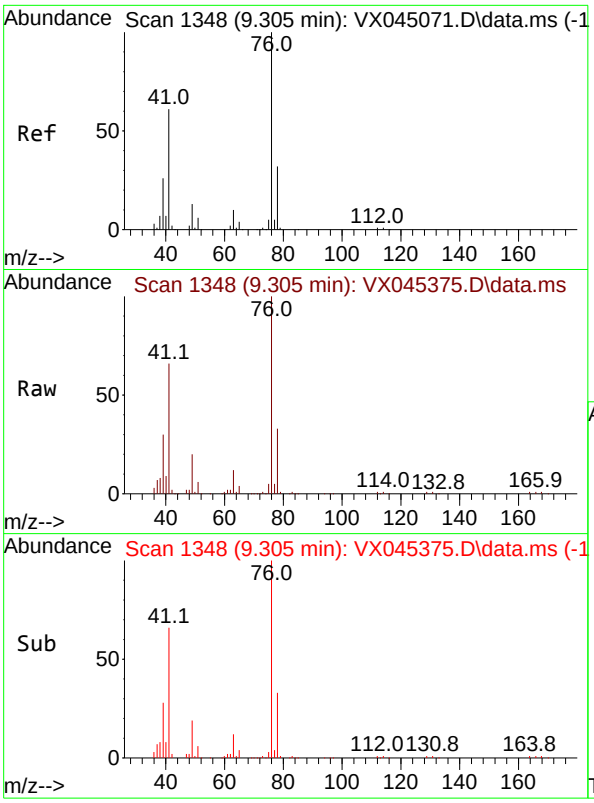


#56
Ethyl methacrylate
Concen: 56.775 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 69 Resp: 96944

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.0	34.2	51.4





#57
1,3-Dichloropropane
Concen: 54.996 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

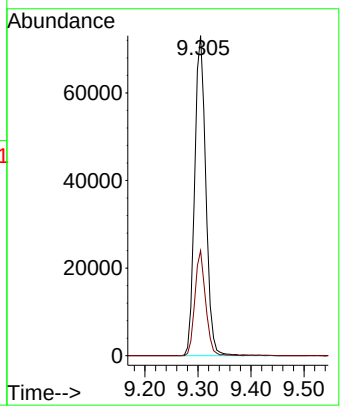
Tgt Ion: 76 Resp: 10691

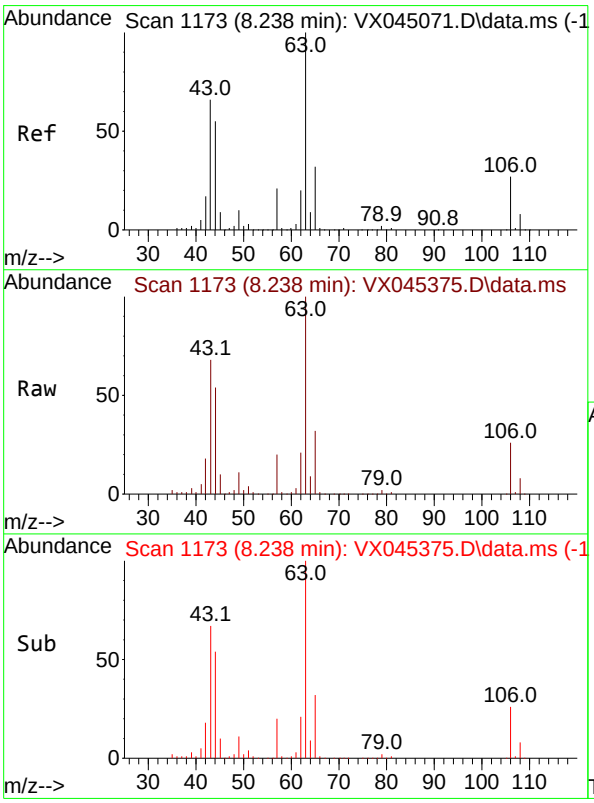
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

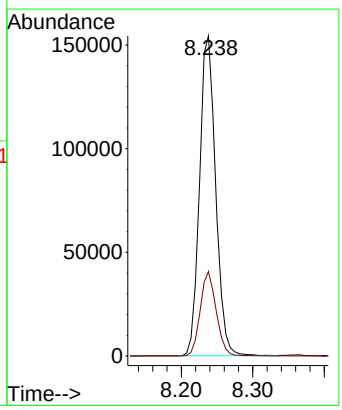


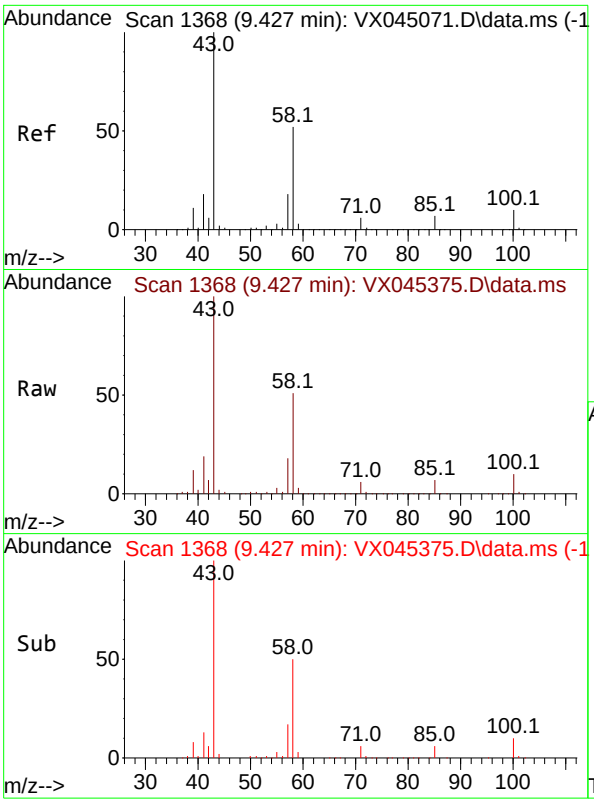


#58
2-Chloroethyl Vinyl ether
Concen: 290.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 241784

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

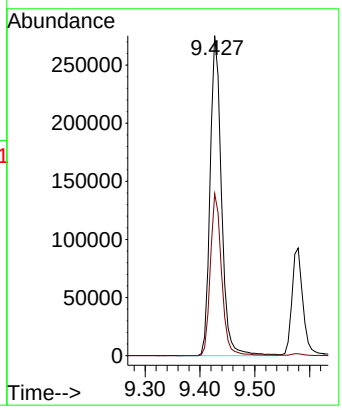




#59
2-Hexanone
Concen: 289.177 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 39478

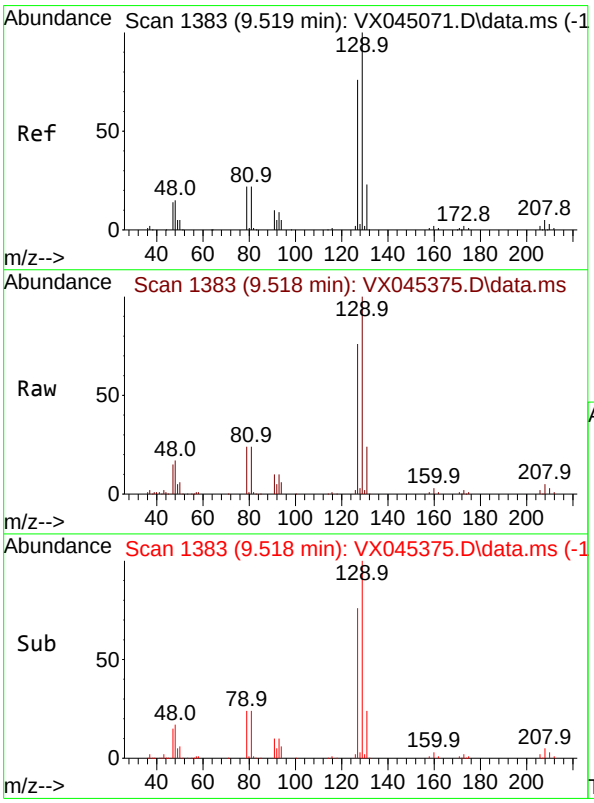
Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

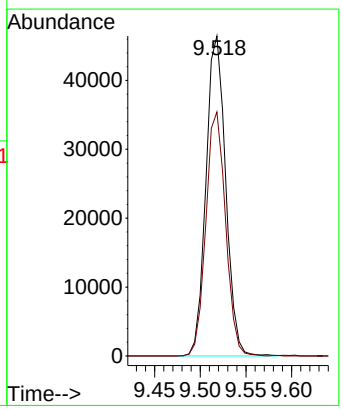
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

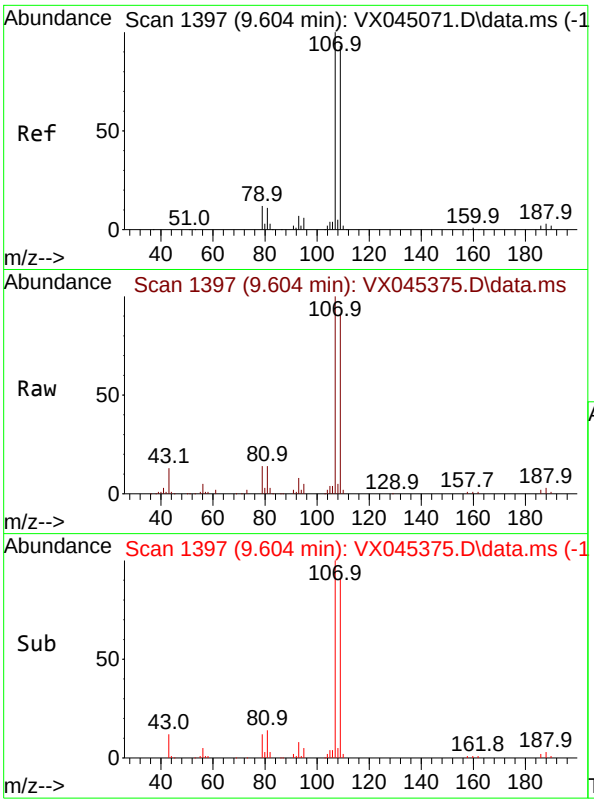


#60
Dibromochloromethane
Concen: 59.051 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:129 Resp: 69357

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

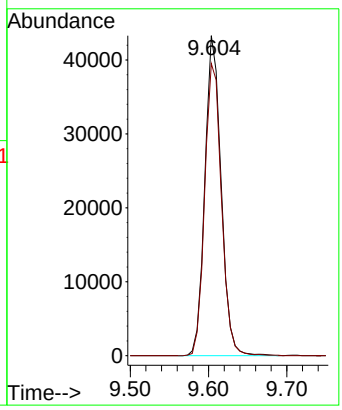




#61
1,2-Dibromoethane
Concen: 55.474 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:107 Resp: 6220

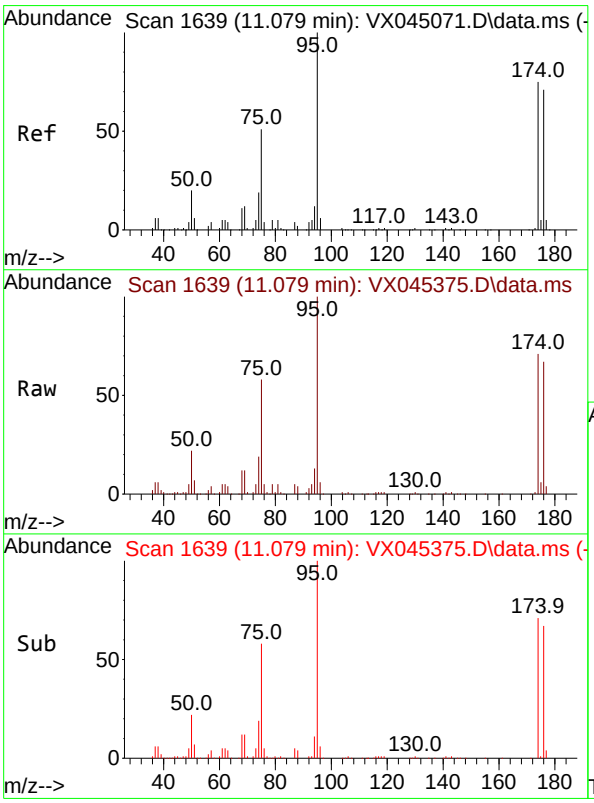
Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

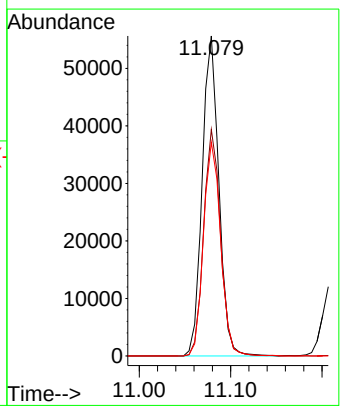
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

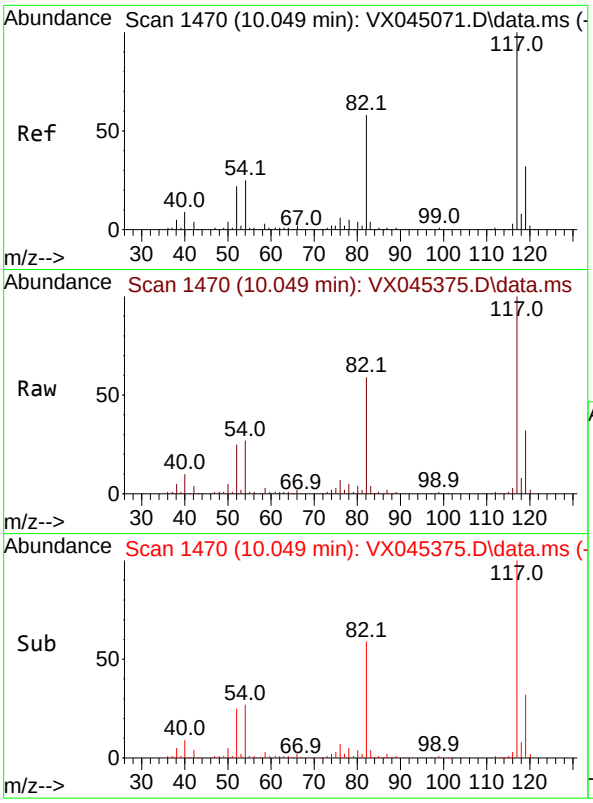


#62
4-Bromofluorobenzene
Concen: 54.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 95 Resp: 70360

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.7	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

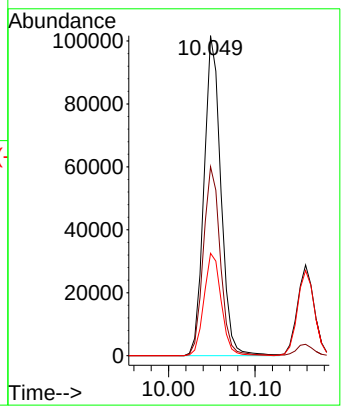
Tgt Ion:117 Resp: 13750

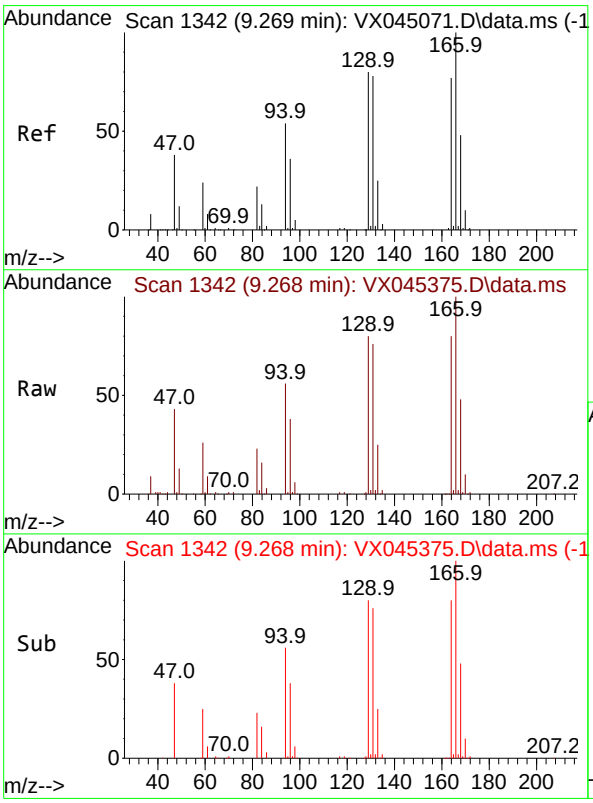
Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	32.0	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

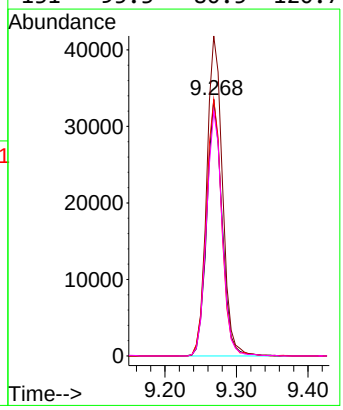


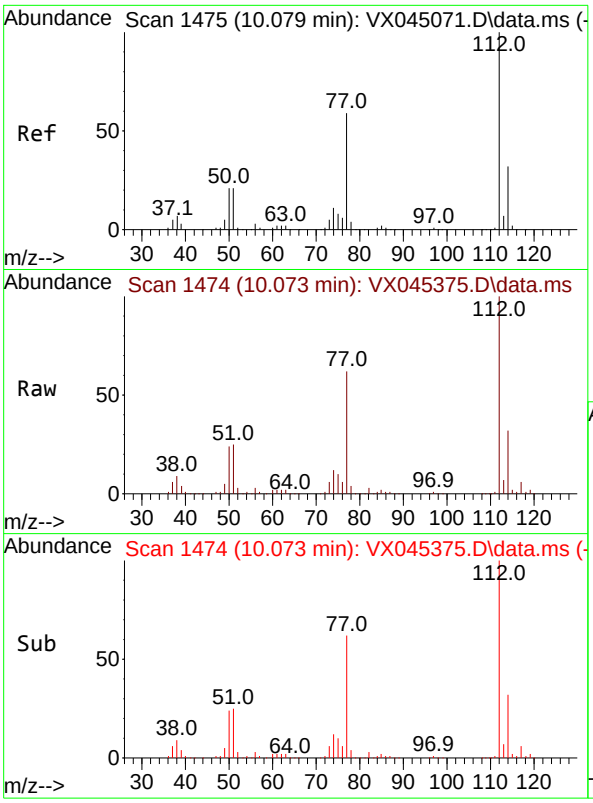


#64
Tetrachloroethene
Concen: 56.573 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:164 Resp: 49823

Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.6	155.4
129	100.1	82.7	124.1
131	95.3	80.5	120.7

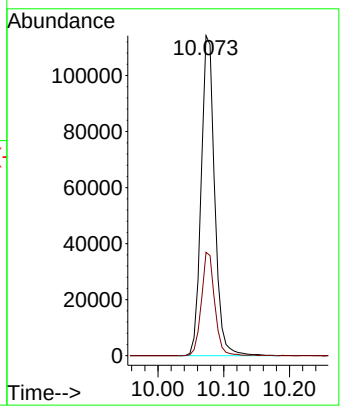




#65
Chlorobenzene
Concen: 56.091 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:112 Resp: 16320

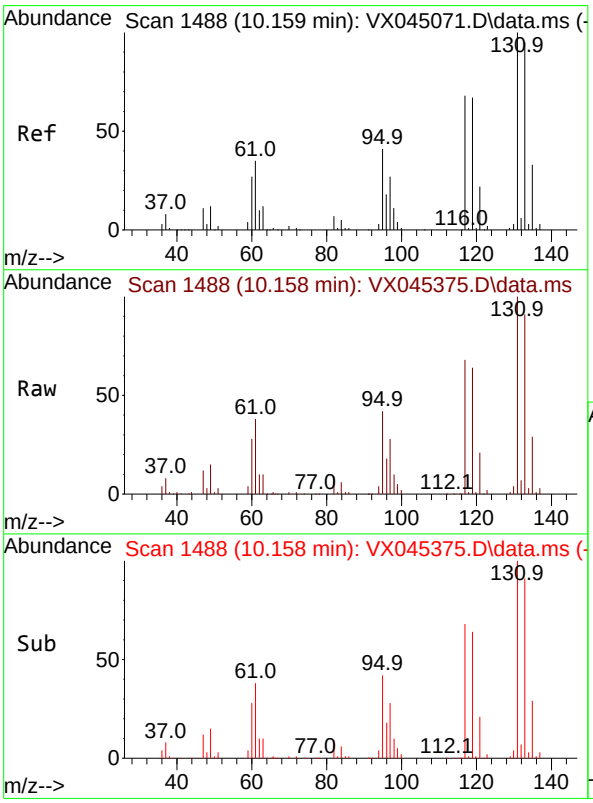
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

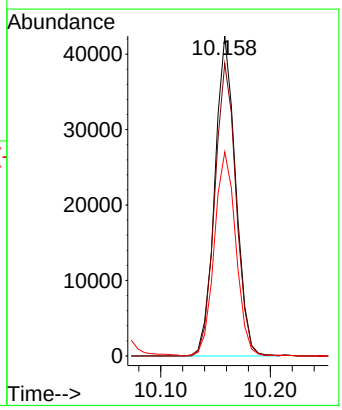
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

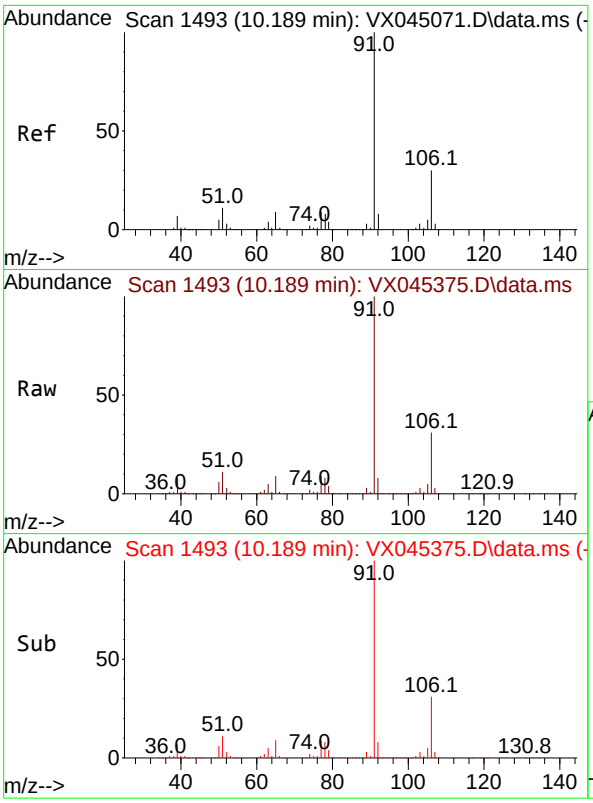


#66
1,1,1,2-Tetrachloroethane
Concen: 57.796 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:131 Resp: 56003

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.6	145.9
119	66.0	33.9	101.7

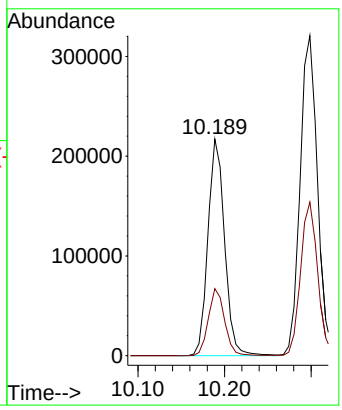




#67
Ethyl Benzene
Concen: 57.291 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 29045

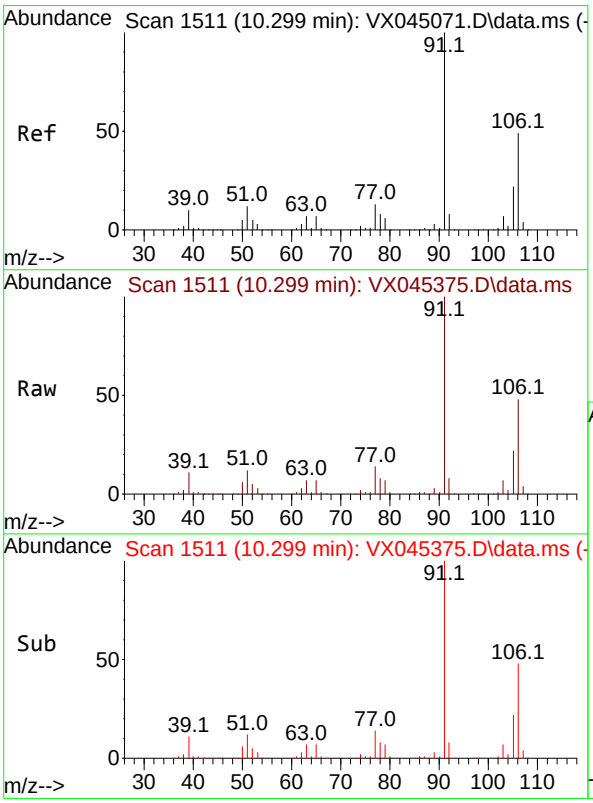
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

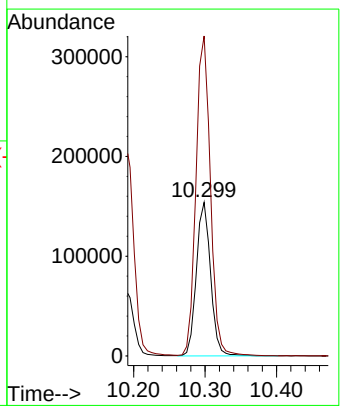
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

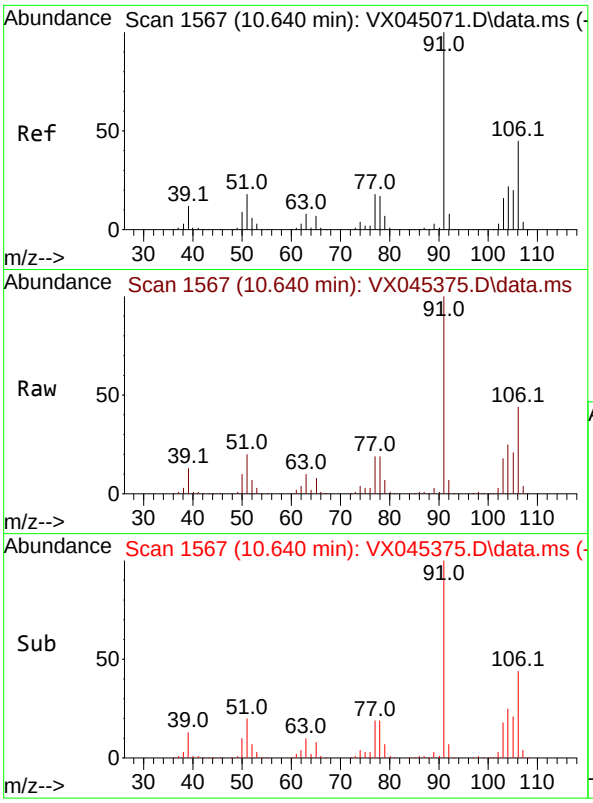


#68
m/p-Xylenes
Concen: 114.295 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:106 Resp: 212125

Ion	Ratio	Lower	Upper
106	100		
91	212.1	165.4	248.0

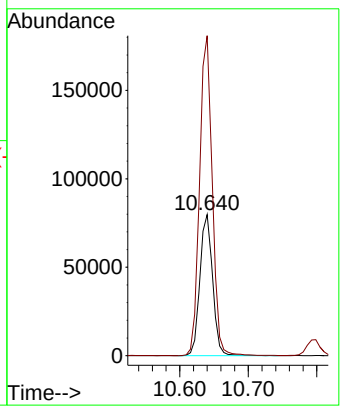




#69
o-Xylene
Concen: 55.079 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:106 Resp: 10310

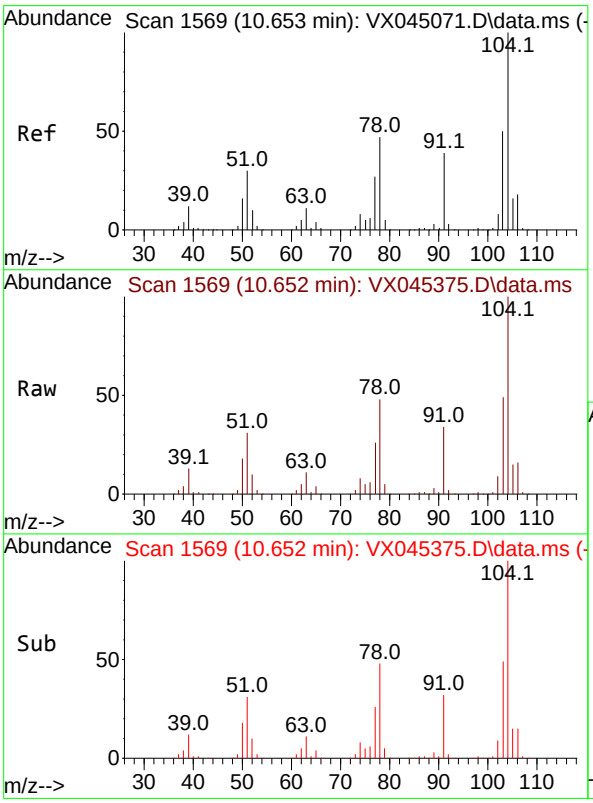
Ion	Ratio	Lower	Upper
106	100		
91	226.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

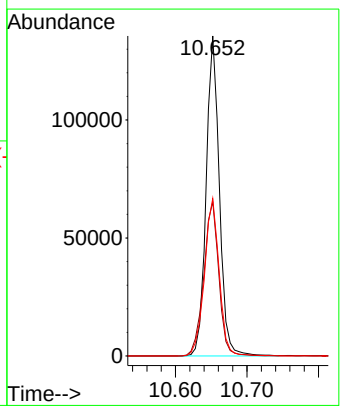
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

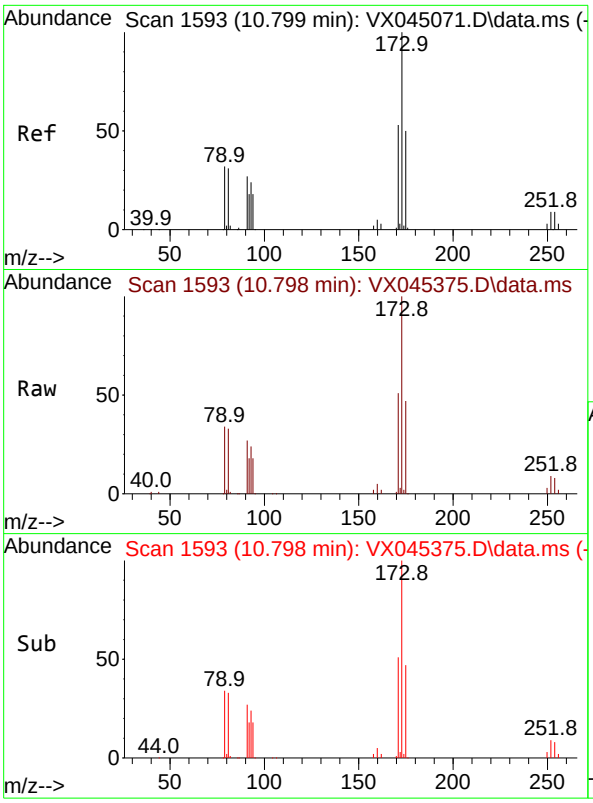


#70
Styrene
Concen: 57.615 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:104 Resp: 174503

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	54.9	43.8	65.8

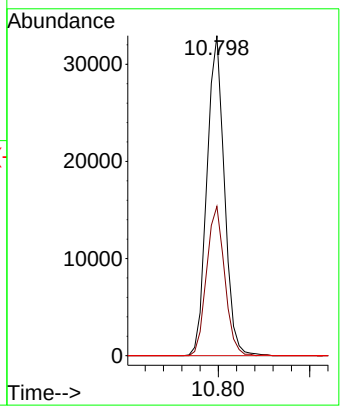




#71
Bromoform
Concen: 59.529 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:173 Resp: 4349

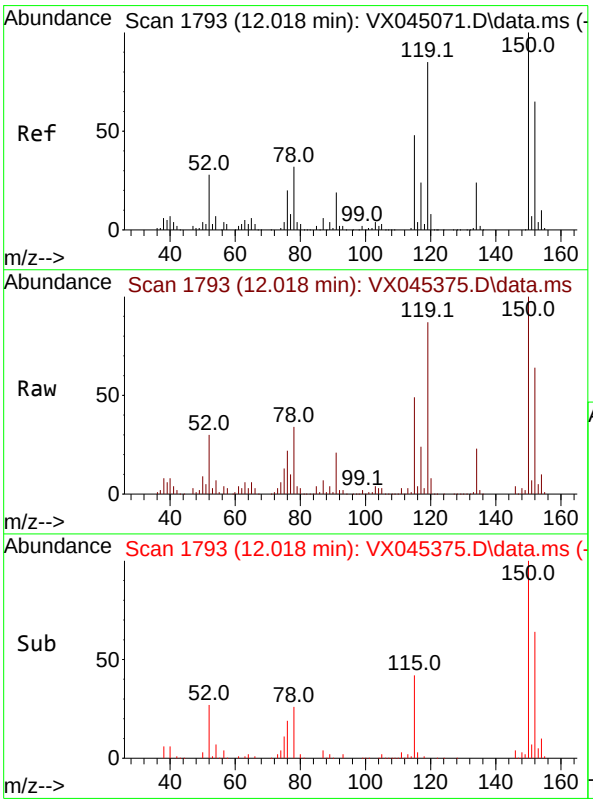
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

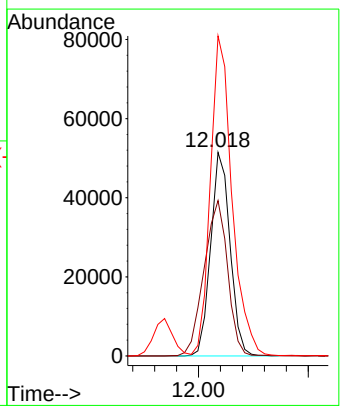
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

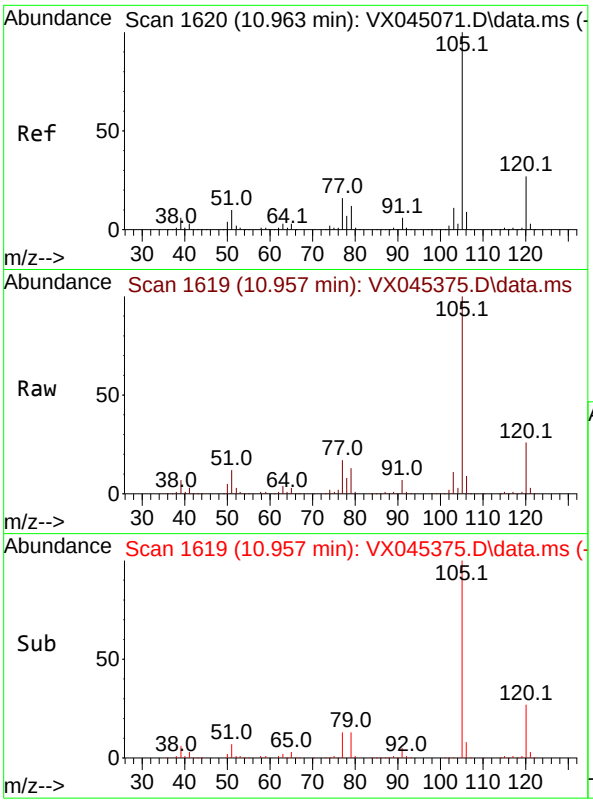


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:152 Resp: 63153

Ion	Ratio	Lower	Upper
152	100		
115	92.9	44.2	132.6
150	176.1	0.0	349.0





#73
Isopropylbenzene
Concen: 56.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

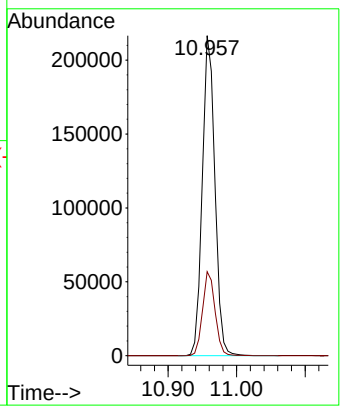
Tgt Ion:105 Resp: 27751

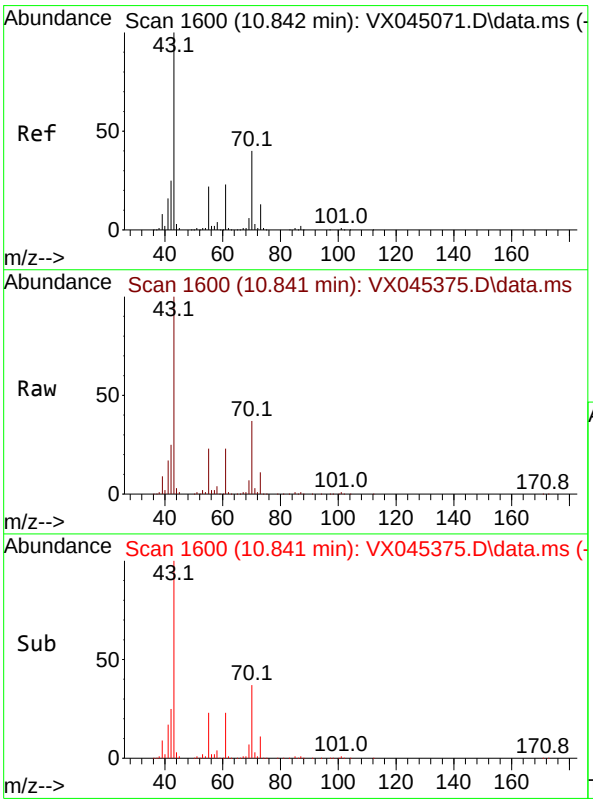
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

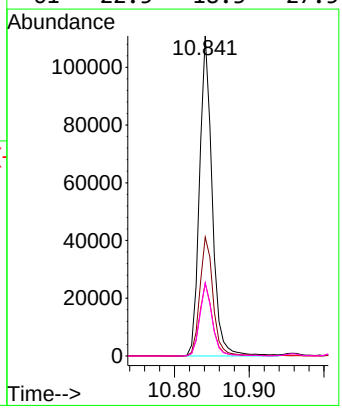


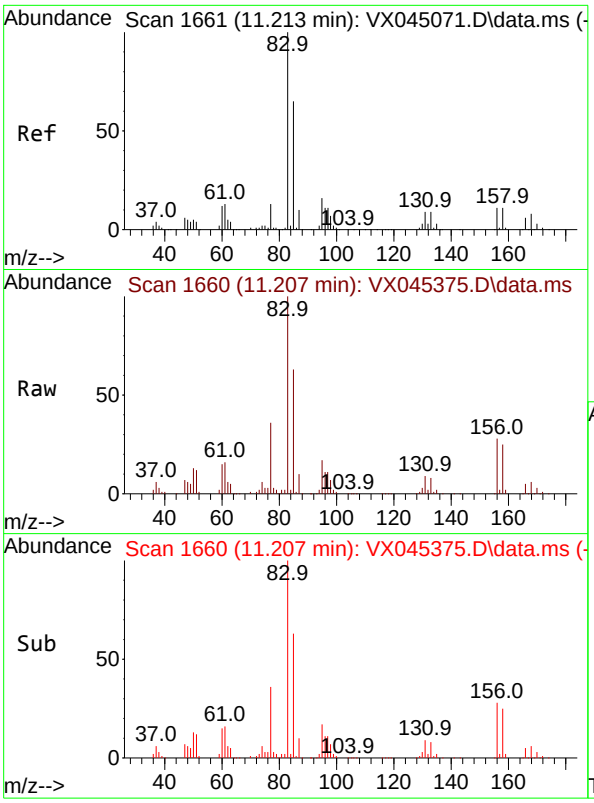


#74
N-amyl acetate
Concen: 56.311 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 130246

Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.8	47.6
55	23.2	18.3	27.5
61	22.5	18.3	27.5

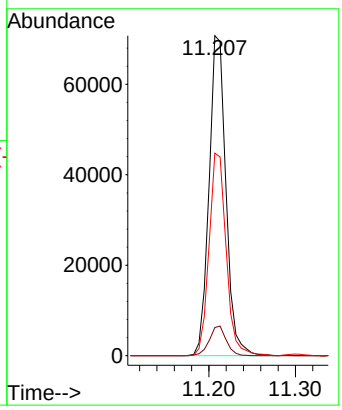




#75
1,1,2,2-Tetrachloroethane
Concen: 53.043 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 9594

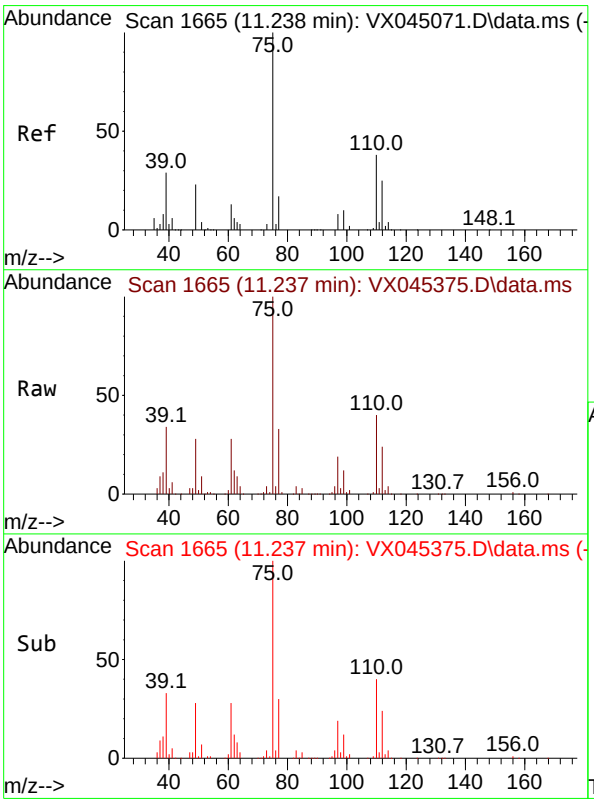
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

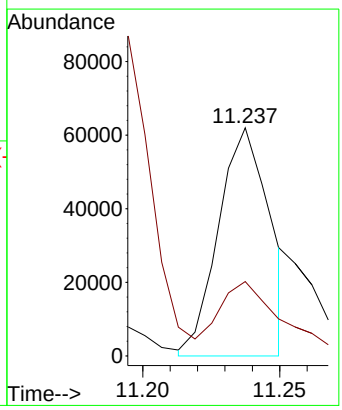
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

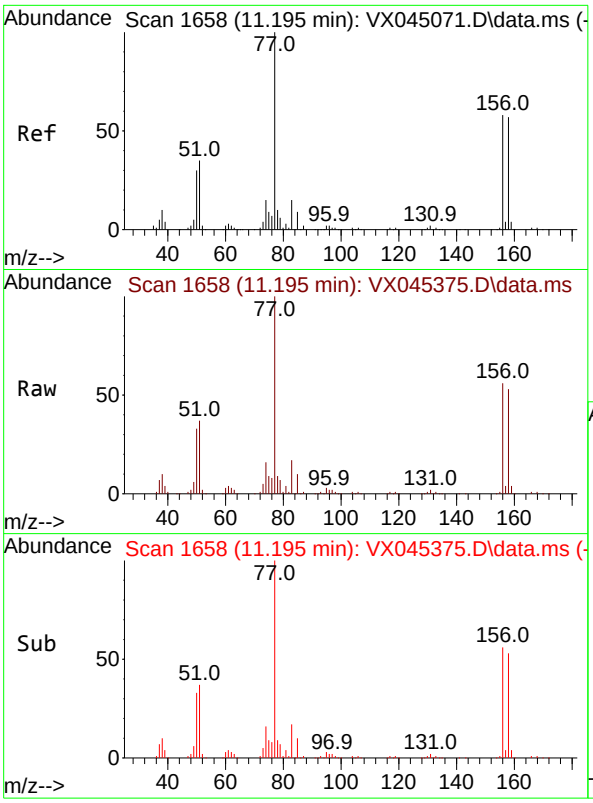


#76
1,2,3-Trichloropropane
Concen: 54.812 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 80568

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

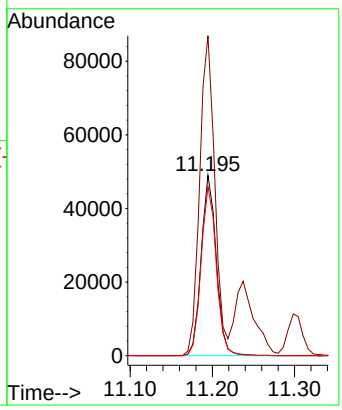




#77
Bromobenzene
Concen: 53.787 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:156 Resp: 6255

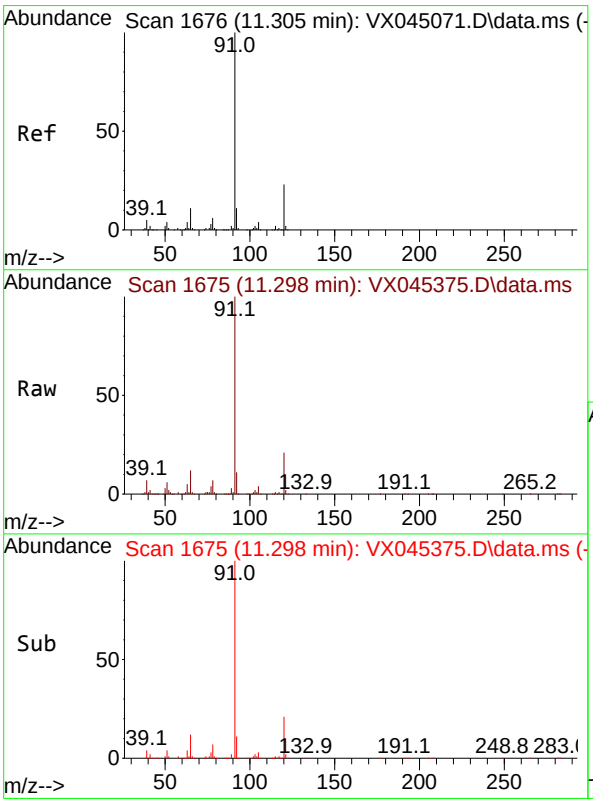
Ion	Ratio	Lower	Upper
156	100		
77	177.8	85.8	257.4
158	94.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

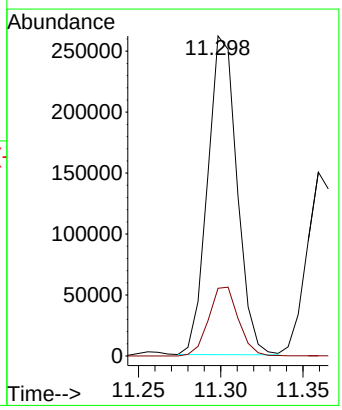
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

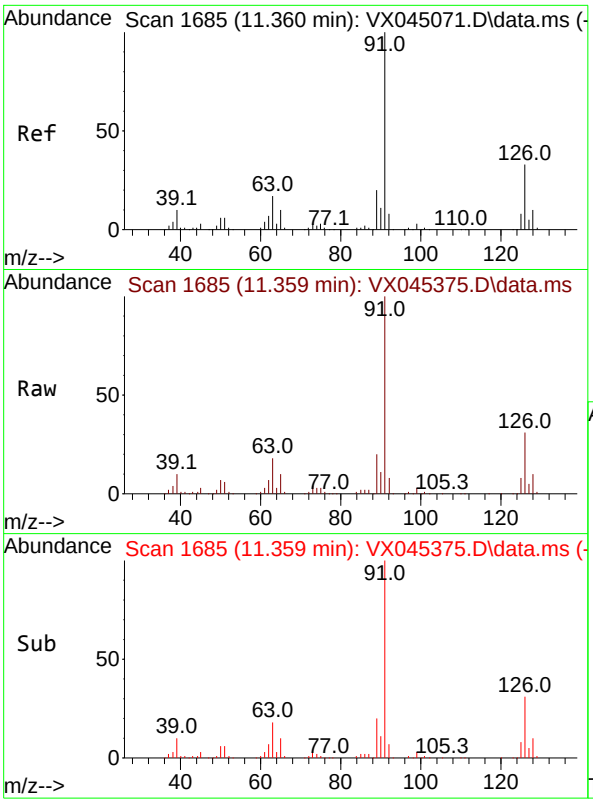


#78
n-propylbenzene
Concen: 58.471 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 325584

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6

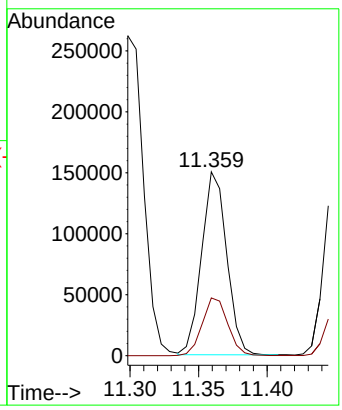




#79
2-Chlorotoluene
Concen: 53.953 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 19132

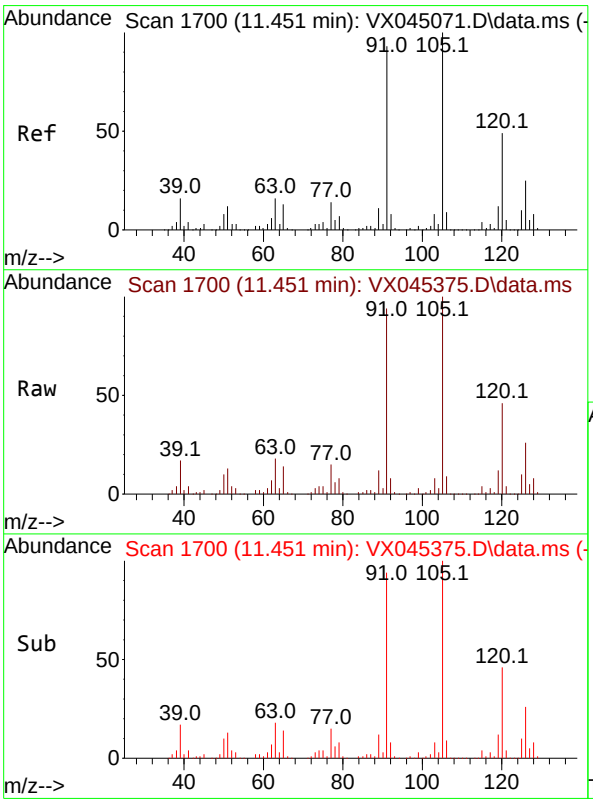
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

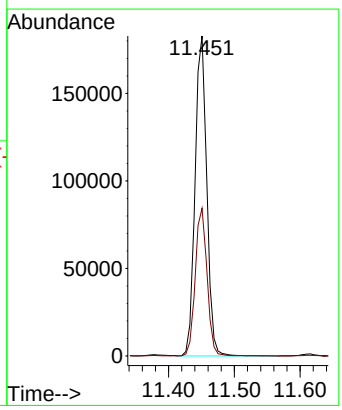
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

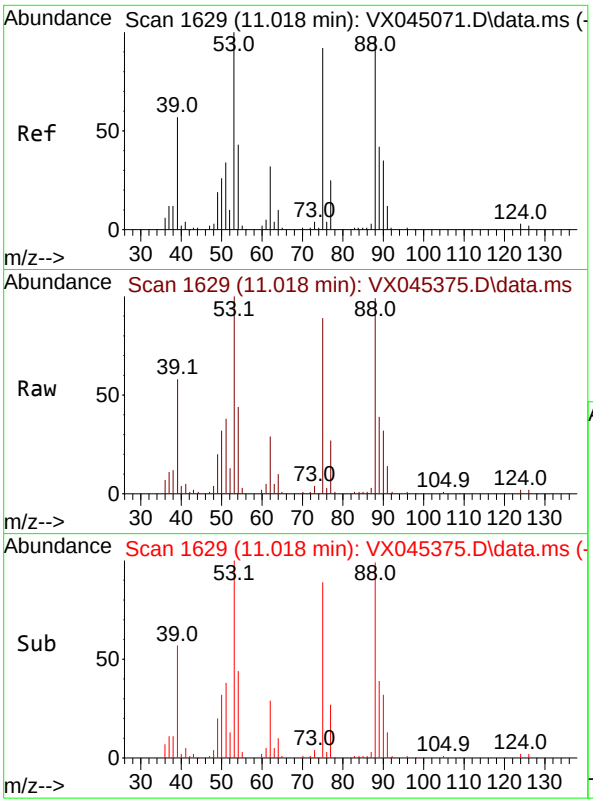


#80
1,3,5-Trimethylbenzene
Concen: 56.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 225866

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2

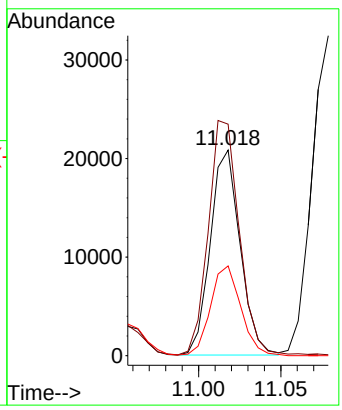




#81
trans-1,4-Dichloro-2-butene
Concen: 61.185 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 2628

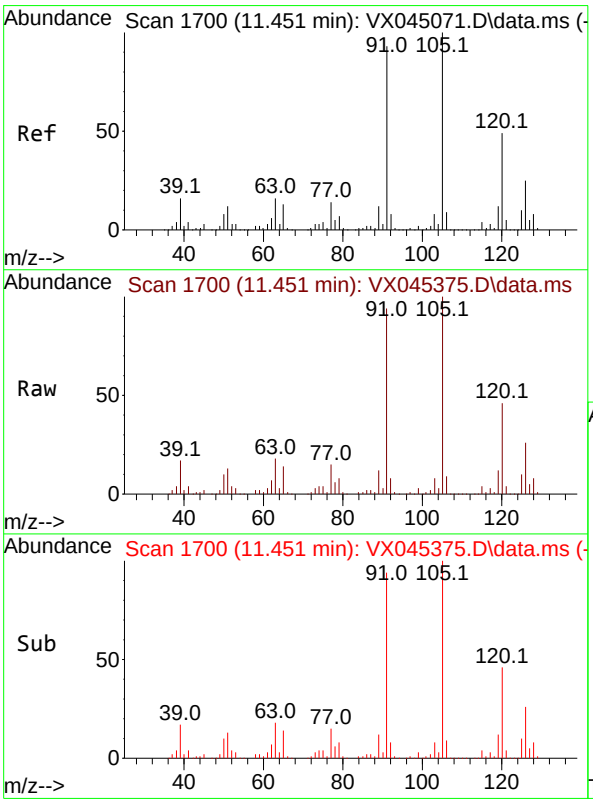
Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	44.4	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

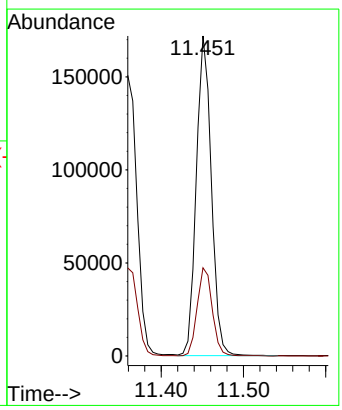
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

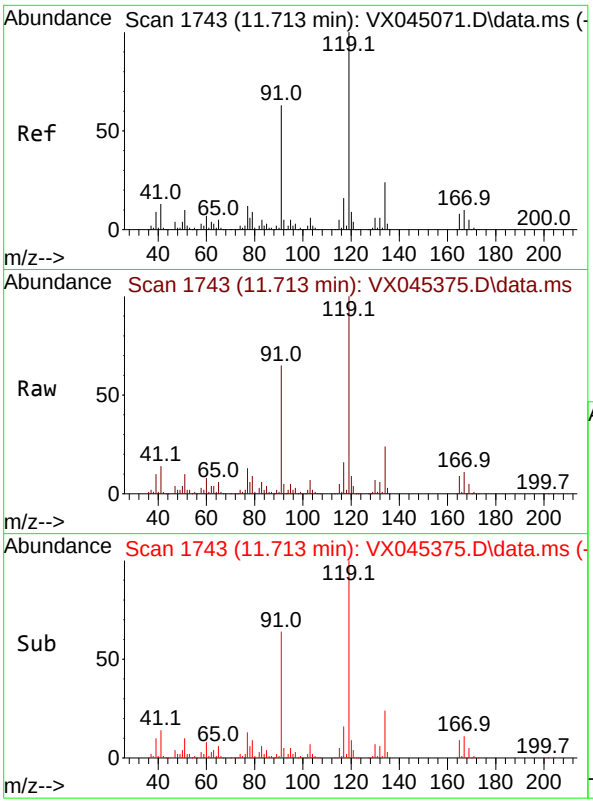


#82
4-Chlorotoluene
Concen: 56.390 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 217941

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

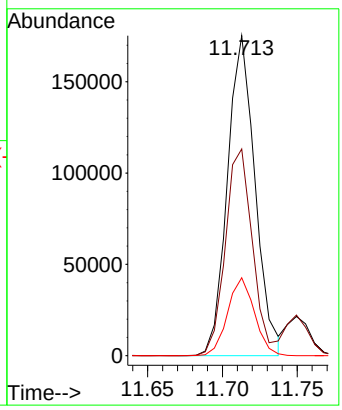




#83
tert-Butylbenzene
Concen: 55.097 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:119 Resp: 22563

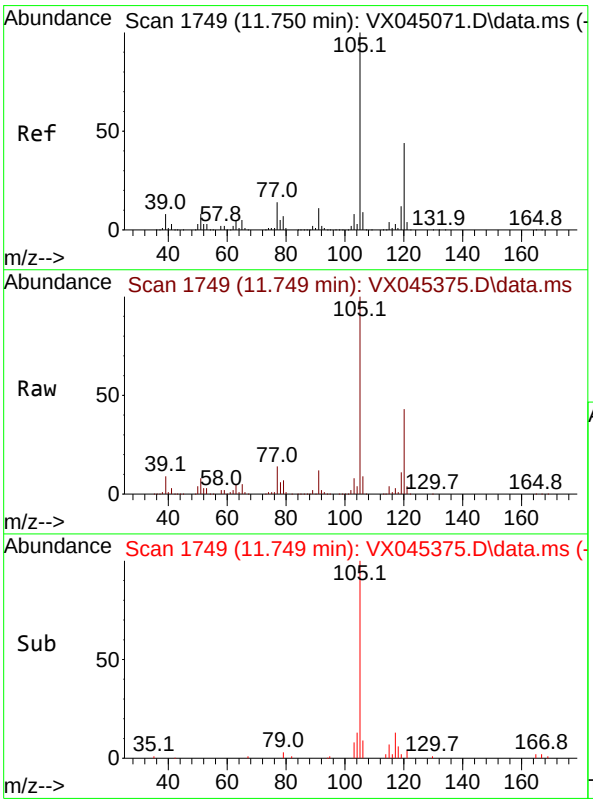
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.6	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

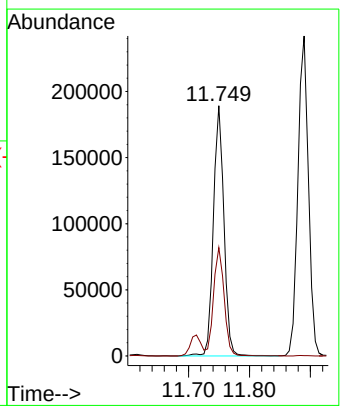
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

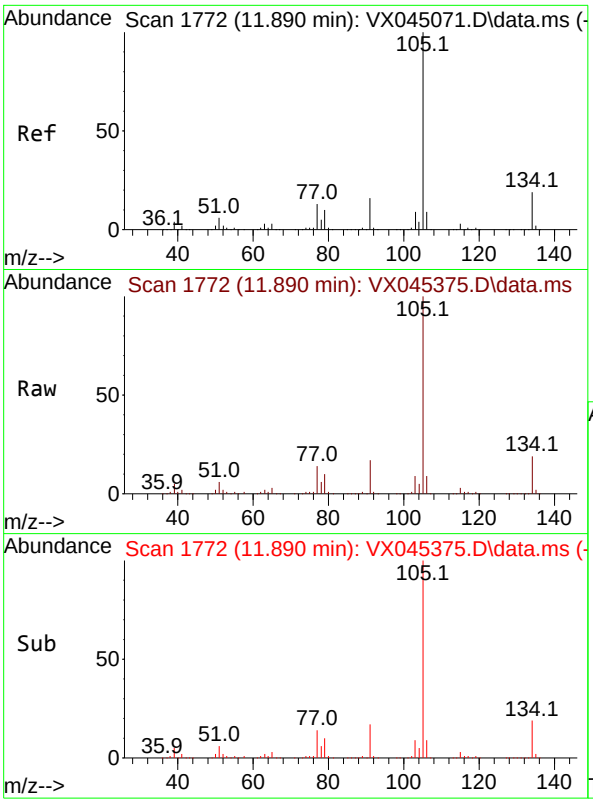


#84
1,2,4-Trimethylbenzene
Concen: 56.511 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 226630

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

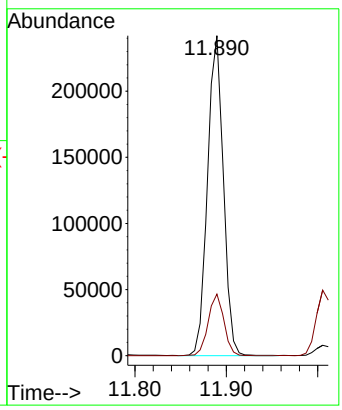




#85
sec-Butylbenzene
Concen: 59.284 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 29081

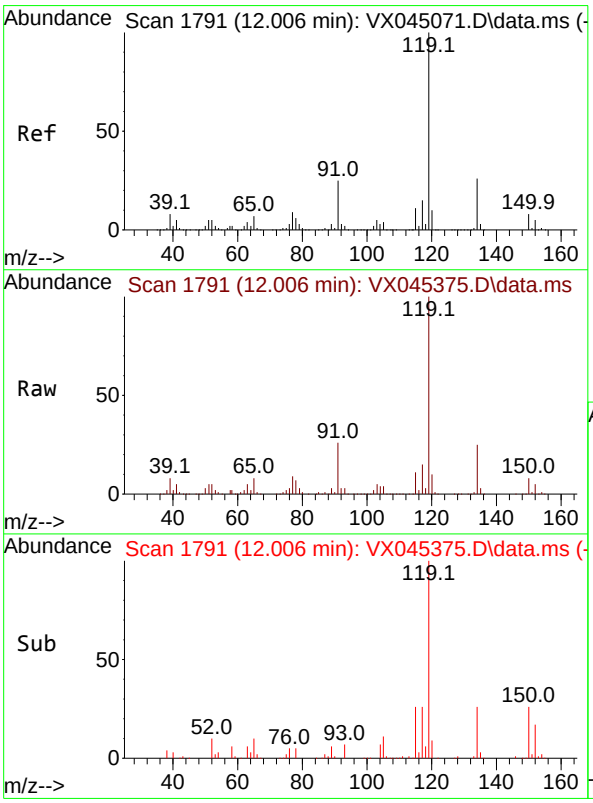
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

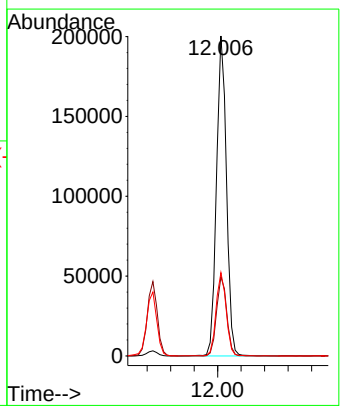
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

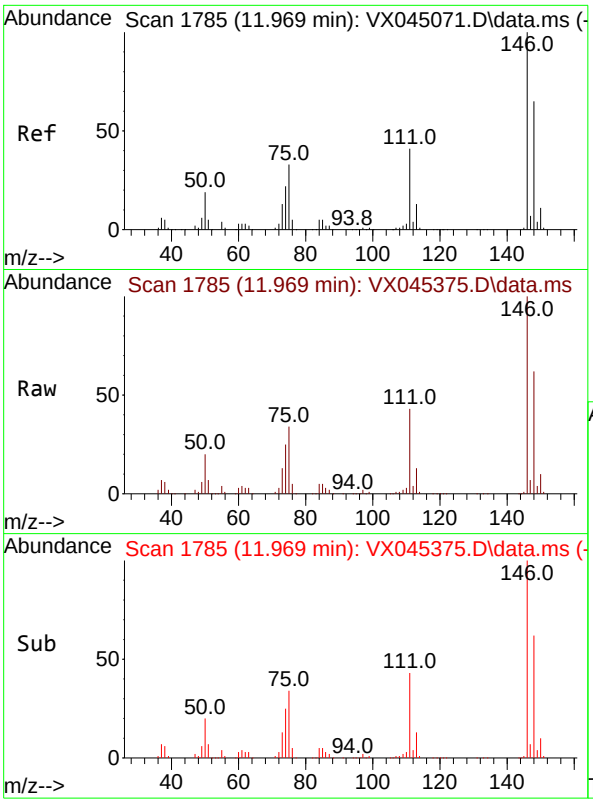


#86
p-Isopropyltoluene
Concen: 59.464 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:119 Resp: 235736

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.3	12.7	38.0

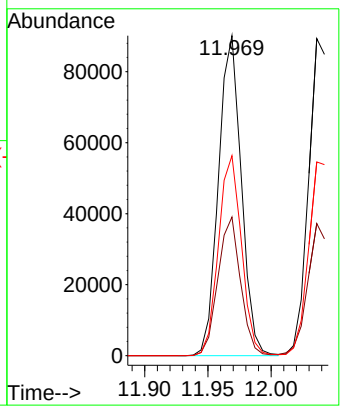




#87
1,3-Dichlorobenzene
Concen: 54.523 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 11312

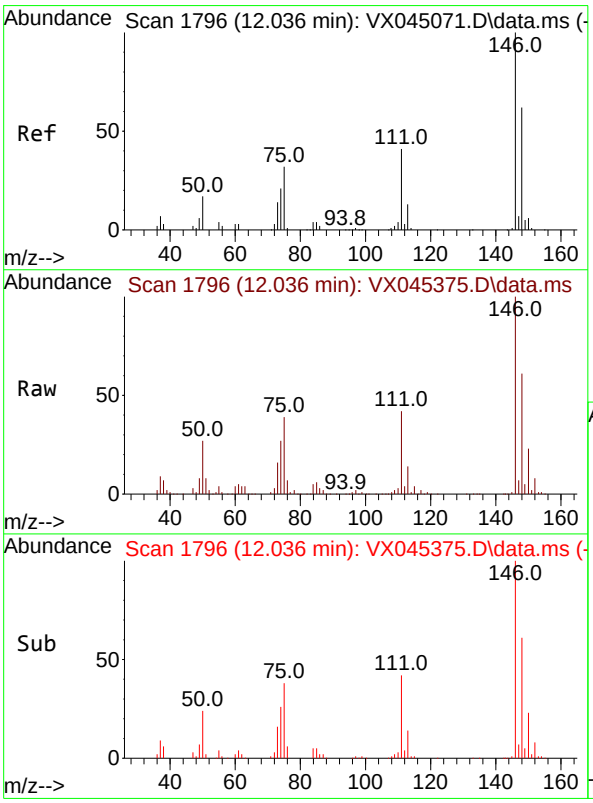
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

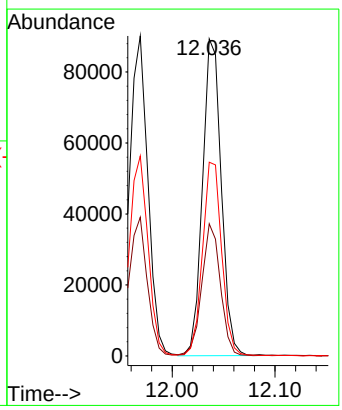
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

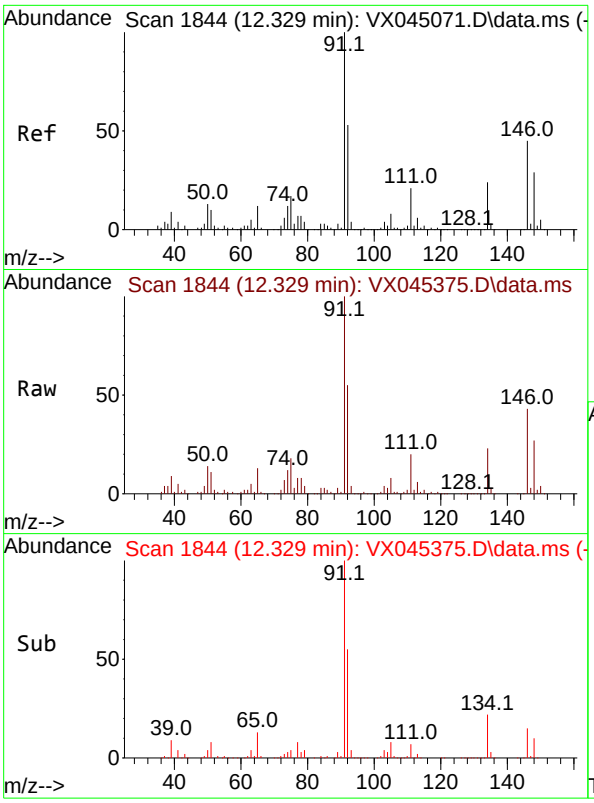


#88
1,4-Dichlorobenzene
Concen: 53.992 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 113332

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.5
148	62.4	31.9	95.9

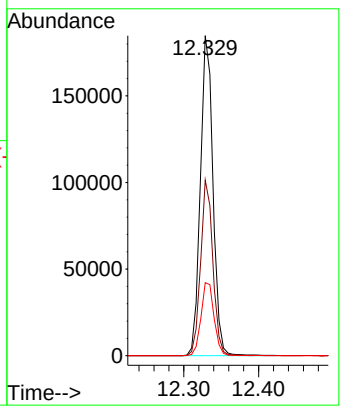




#89
n-Butylbenzene
Concen: 63.349 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 21629

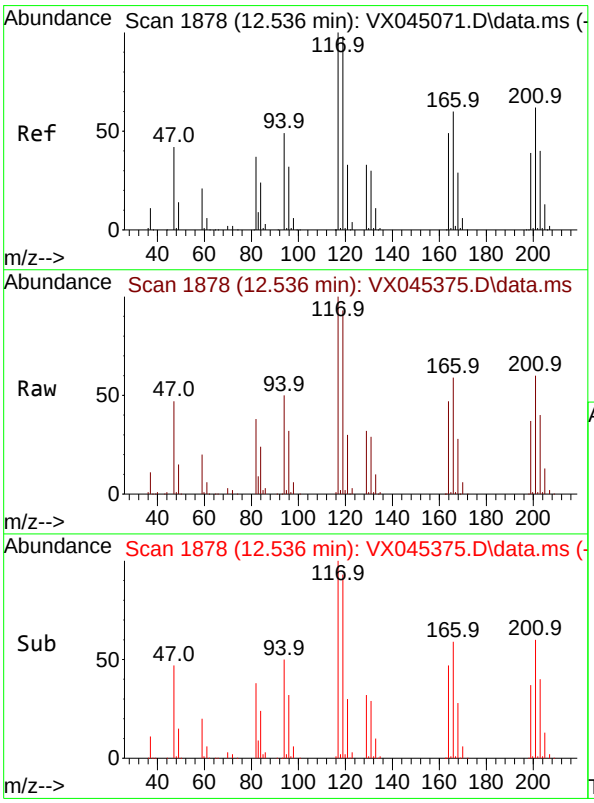
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	23.7	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

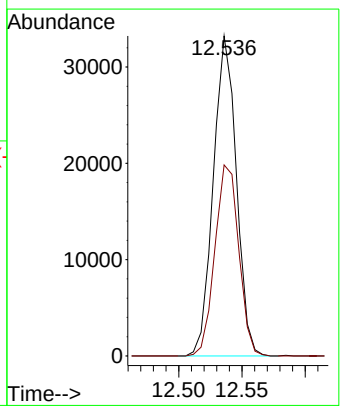
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

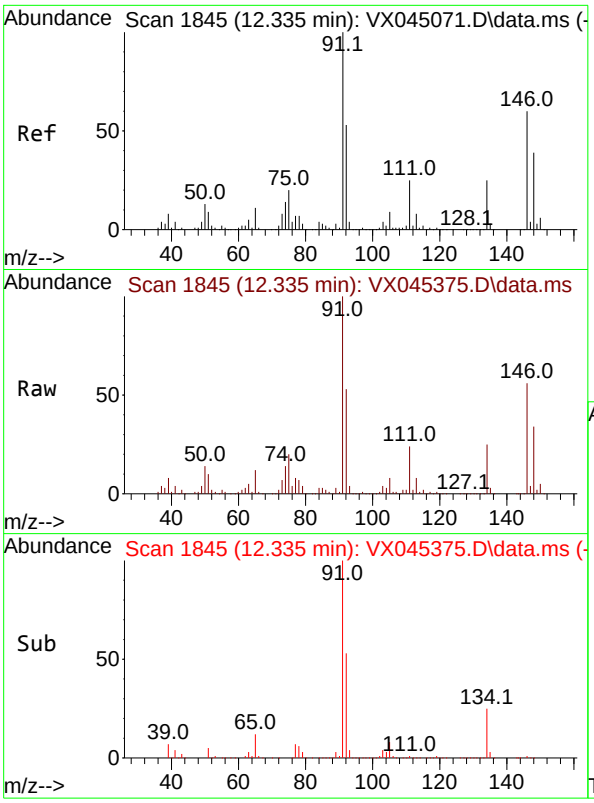


#90
Hexachloroethane
Concen: 58.585 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 42009

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.9	95.9

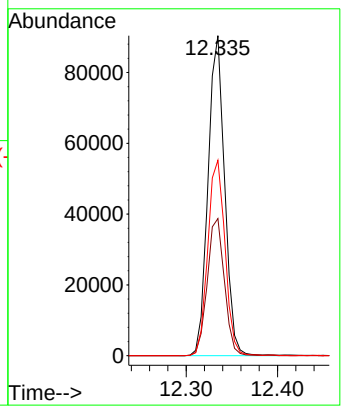




#91
1,2-Dichlorobenzene
Concen: 54.663 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 11376

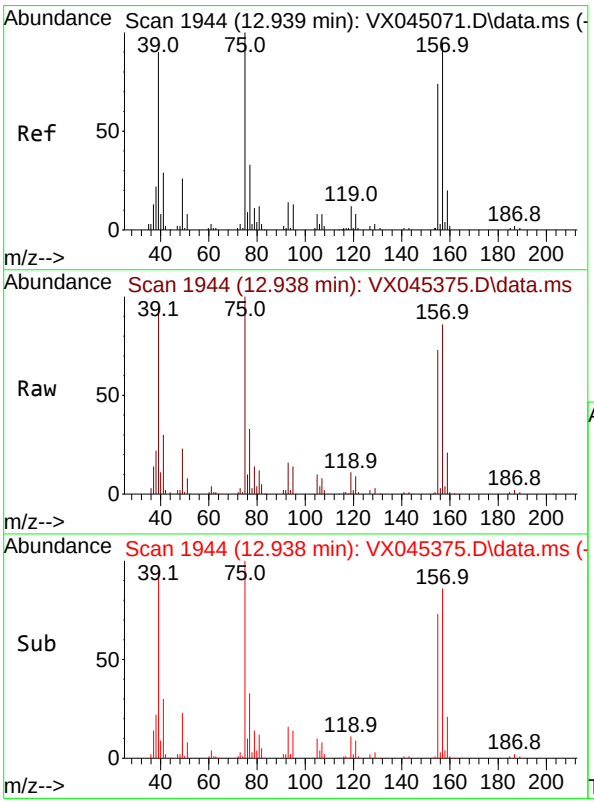
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	63.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

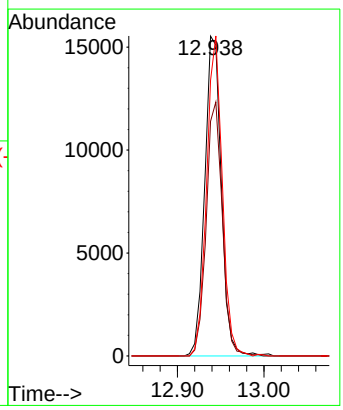
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

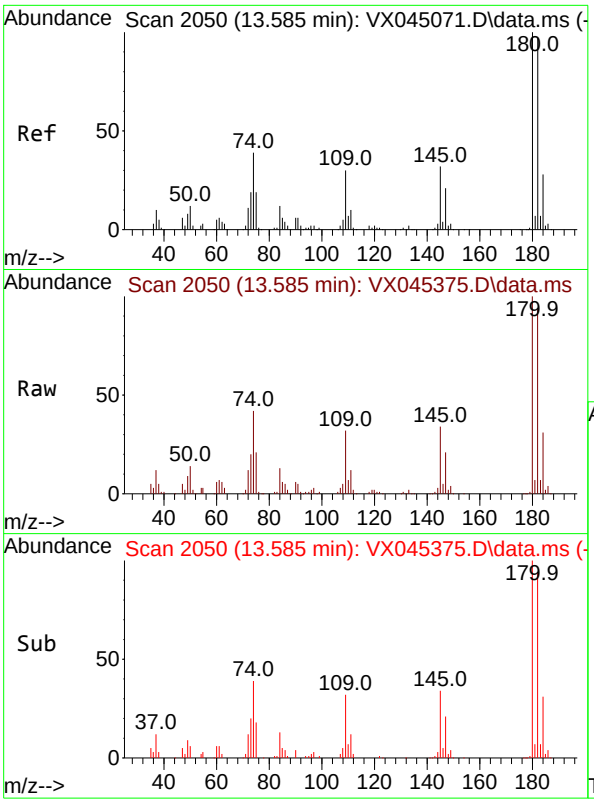


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.578 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 20643

Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.6	118.7
157	94.2	51.1	153.4

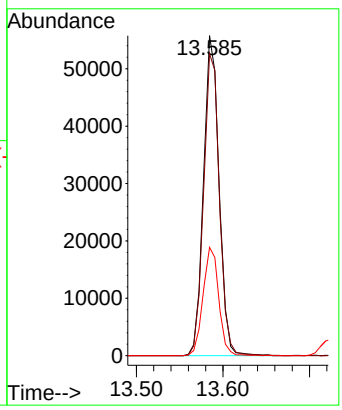




#93
1,2,4-Trichlorobenzene
Concen: 58.569 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:180 Resp: 6941

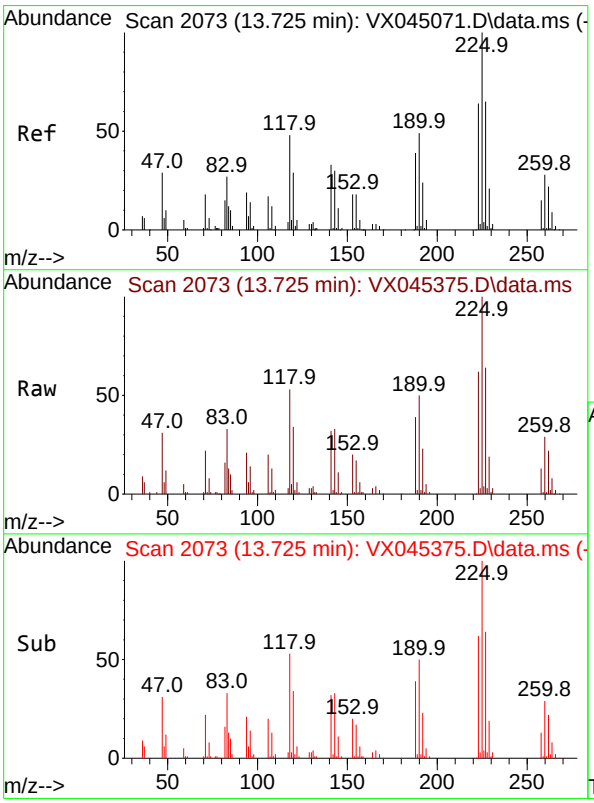
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	34.3	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

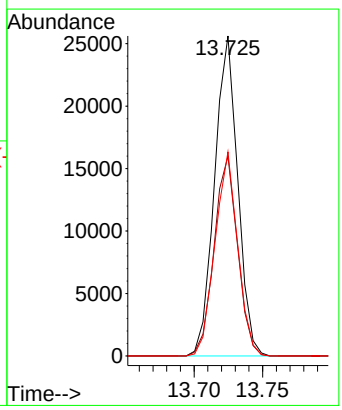
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

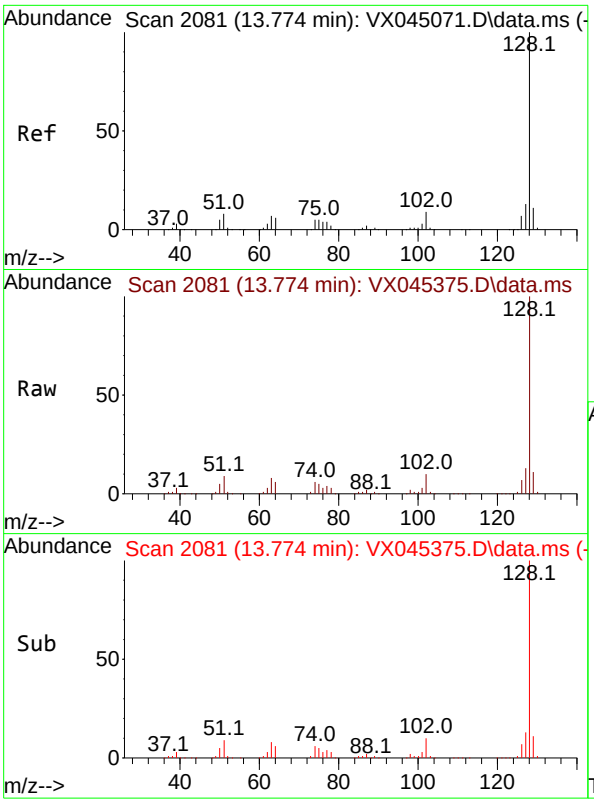


#94
Hexachlorobutadiene
Concen: 61.947 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:225 Resp: 30098

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	62.5	31.4	94.0

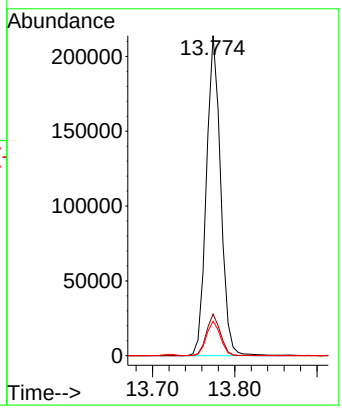




#95
Naphthalene
Concen: 56.574 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:128 Resp: 25759

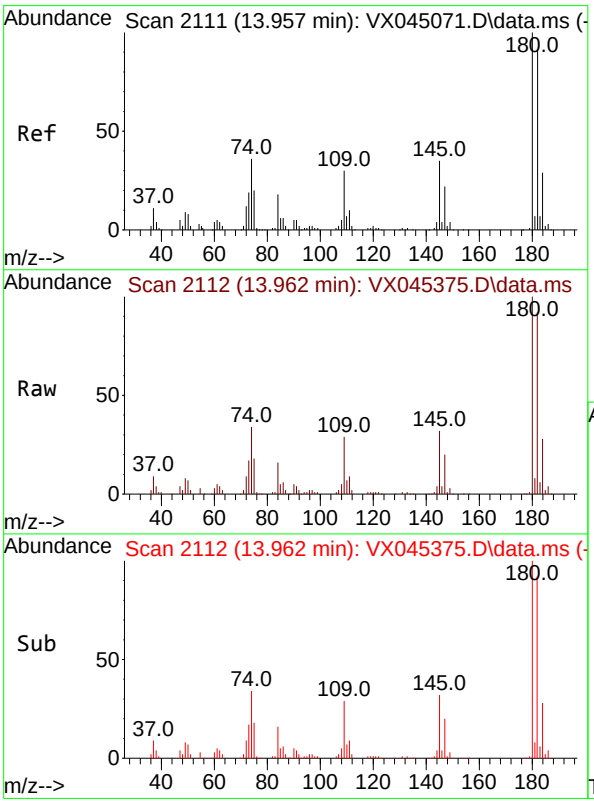
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

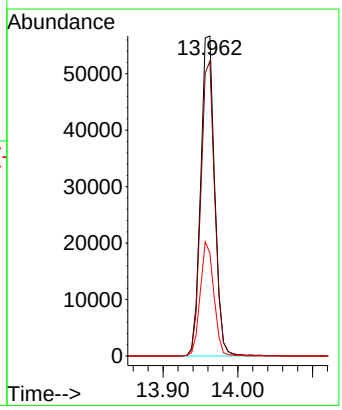
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 58.994 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:180 Resp: 73755

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	34.6	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	0.629	0.662	-5.2	95	0.00
3	P	Chloromethane	0.770	0.684	11.2	82	0.00
4	C	Vinyl Chloride	0.764	0.690	9.7#	82	0.00
5	T	Bromomethane	0.300	0.302	-0.7	93	0.00
6	T	Chloroethane	0.352	0.328	6.8	79	0.00
7	T	Trichlorofluoromethane	1.011	1.044	-3.3	89	0.00
8	T	Diethyl Ether	0.396	0.362	8.6	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.692	-19.1	105	0.00
10	T	Methyl Iodide	0.726	0.789	-8.7	92	0.00
11	T	Tert butyl alcohol	0.151	0.137	9.3	92	0.00
12	CM	1,1-Dichloroethene	0.614	0.632	-2.9#	91	0.00
13	T	Acrolein	0.174	0.161	7.5	83	0.00
14	T	Allyl chloride	1.094	1.203	-10.0	98	0.00
15	T	Acrylonitrile	0.404	0.432	-6.9	95	0.00
16	T	Acetone	0.369	0.426	-15.4	109	0.00
17	T	Carbon Disulfide	1.636	1.372	16.1	74	0.00
18	T	Methyl Acetate	0.888	1.244	-40.1#	129	0.00
19	T	Methyl tert-butyl Ether	2.061	2.226	-8.0	96	0.00
20	T	Methylene Chloride	0.731	0.735	-0.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.625	-3.0	89	0.00
22	T	Diisopropyl ether	2.224	2.418	-8.7	95	0.00
23	T	Vinyl Acetate	1.856	2.022	-8.9	92	0.00
24	P	1,1-Dichloroethane	1.247	1.332	-6.8	96	0.00
25	T	2-Butanone	0.555	0.610	-9.9	95	0.00
26	T	2,2-Dichloropropane	0.585	0.957	-63.6#	144	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.799	-6.7	94	0.00
28	T	Bromochloromethane	0.594	0.623	-4.9	93	-0.01
29	T	Tetrahydrofuran	0.373	0.379	-1.6	91	0.00
30	C	Chloroform	1.239	1.364	-10.1#	98	0.00
31	T	Cyclohexane	1.082	1.107	-2.3	90	0.00
32	T	1,1,1-Trichloroethane	1.000	1.111	-11.1	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.856	-7.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.334	0.369	-10.5	97	-0.01
36	T	1,1-Dichloropropene	0.459	0.494	-7.6	91	0.00
37	T	Ethyl Acetate	0.591	0.636	-7.6	91	0.00
38	T	Carbon Tetrachloride	0.465	0.543	-16.8	100	0.00
39	T	Methylcyclohexane	0.549	0.626	-14.0	92	0.00
40	TM	Benzene	1.448	1.566	-8.1	90	0.00
41	T	Methacrylonitrile	0.319	0.379	-18.8	96	0.00
42	TM	1,2-Dichloroethane	0.521	0.622	-19.4	102	0.00
43	T	Isopropyl Acetate	0.874	0.989	-13.2	92	0.00
44	TM	Trichloroethene	0.340	0.364	-7.1	92	0.00
45	C	1,2-Dichloropropane	0.372	0.404	-8.6#	94	0.00
46	T	Dibromomethane	0.263	0.306	-16.3	98	0.00
47	T	Bromodichloromethane	0.516	0.613	-18.8	101	0.00
48	T	Methyl methacrylate	0.438	0.518	-18.3	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	80	0.00
50	S	Toluene-d8	1.212	1.255	-3.5	89	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.667	-13.6	94	0.00
52	CM	Toluene	0.849	0.943	-11.1#	90	0.00
53	T	t-1,3-Dichloropropene	0.431	0.541	-25.5#	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.615	-22.3	99	0.00
55	T	1,1,2-Trichloroethane	0.350	0.382	-9.1	92	0.00
56	T	Ethyl methacrylate	0.532	0.604	-13.5	91	0.00
57	T	1,3-Dichloropropane	0.605	0.666	-10.1	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.301	-16.2	91	0.00
59	T	2-Hexanone	0.425	0.492	-15.8	95	0.00
60	T	Dibromochloromethane	0.366	0.432	-18.0	97	0.00
61	T	1,2-Dibromoethane	0.349	0.387	-10.9	94	0.00
62	S	4-Bromofluorobenzene	0.402	0.438	-9.0	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.320	0.362	-13.1	95	0.00
65	PM	Chlorobenzene	1.058	1.187	-12.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.407	-15.6	97	0.00
67	C	Ethyl Benzene	1.843	2.112	-14.6#	92	0.00
68	T	m/p-Xylenes	0.675	0.771	-14.2	90	0.00
69	T	o-Xylene	0.681	0.750	-10.1	90	0.00
70	T	Styrene	1.101	1.269	-15.3	91	0.00
71	P	Bromoform	0.266	0.316	-18.8	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.903	4.394	-12.6	94	0.00
74	T	N-amyl acetate	1.831	2.062	-12.6	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.519	-6.1	95	0.00
76	T	1,2,3-Trichloropropane	1.164	1.276	-9.6	99	0.00
77	T	Bromobenzene	0.921	0.991	-7.6	94	0.00
78	T	n-propylbenzene	4.409	5.155	-16.9	95	0.00
79	T	2-Chlorotoluene	2.808	3.030	-7.9	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.576	-13.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.416	-22.4	109	0.00
82	T	4-Chlorotoluene	3.060	3.451	-12.8	95	0.00
83	T	tert-Butylbenzene	3.242	3.573	-10.2	94	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.589	-13.0	94	0.00
85	T	sec-Butylbenzene	3.884	4.605	-18.6	97	0.00
86	T	p-Isopropyltoluene	3.139	3.733	-18.9	97	0.00
87	T	1,3-Dichlorobenzene	1.643	1.791	-9.0	95	0.00
88	T	1,4-Dichlorobenzene	1.662	1.795	-8.0	94	0.00
89	T	n-Butylbenzene	2.703	3.425	-26.7#	101	0.00
90	T	Hexachloroethane	0.568	0.665	-17.1	98	0.00
91	T	1,2-Dichlorobenzene	1.648	1.801	-9.3	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.327	-17.2	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.099	-17.2	97	0.00
94	T	Hexachlorobutadiene	0.385	0.477	-23.9	108	0.00
95	T	Naphthalene	3.605	4.079	-13.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.168	-18.0	98	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	50.000	52.626	-5.3	95	0.00
3	P	Chloromethane	50.000	44.404	11.2	82	0.00
4	C	Vinyl Chloride	50.000	45.160	9.7#	82	0.00
5	T	Bromomethane	50.000	50.221	-0.4	93	0.00
6	T	Chloroethane	50.000	46.464	7.1	79	0.00
7	T	Trichlorofluoromethane	50.000	51.606	-3.2	89	0.00
8	T	Diethyl Ether	50.000	45.807	8.4	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	59.577	-19.2	105	0.00
10	T	Methyl Iodide	50.000	54.343	-8.7	92	0.00
11	T	Tert butyl alcohol	250.000	227.264	9.1	92	0.00
12	CM	1,1-Dichloroethene	50.000	51.410	-2.8#	91	0.00
13	T	Acrolein	250.000	230.519	7.8	83	0.00
14	T	Allyl chloride	50.000	55.012	-10.0	98	0.00
15	T	Acrylonitrile	250.000	267.415	-7.0	95	0.00
16	T	Acetone	250.000	288.897	-15.6	109	0.00
17	T	Carbon Disulfide	50.000	41.928	16.1	74	0.00
18	T	Methyl Acetate	50.000	70.079	-40.2#	129	0.00
19	T	Methyl tert-butyl Ether	50.000	53.992	-8.0	96	0.00
20	T	Methylene Chloride	50.000	50.254	-0.5	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.494	-3.0	89	0.00
22	T	Diisopropyl ether	50.000	54.361	-8.7	95	0.00
23	T	Vinyl Acetate	250.000	272.307	-8.9	92	0.00
24	P	1,1-Dichloroethane	50.000	53.425	-6.8	96	0.00
25	T	2-Butanone	250.000	274.508	-9.8	95	0.00
26	T	2,2-Dichloropropane	50.000	81.849	-63.7#	144	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.306	-6.6	94	0.00
28	T	Bromochloromethane	50.000	52.401	-4.8	93	-0.01
29	T	Tetrahydrofuran	250.000	254.275	-1.7	91	0.00
30	C	Chloroform	50.000	55.068	-10.1#	98	0.00
31	T	Cyclohexane	50.000	51.149	-2.3	90	0.00
32	T	1,1,1-Trichloroethane	50.000	55.539	-11.1	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.804	-7.6	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	55.112	-10.2	97	-0.01
36	T	1,1-Dichloropropene	50.000	53.824	-7.6	91	0.00
37	T	Ethyl Acetate	50.000	53.844	-7.7	91	0.00
38	T	Carbon Tetrachloride	50.000	58.316	-16.6	100	0.00
39	T	Methylcyclohexane	50.000	56.964	-13.9	92	0.00
40	TM	Benzene	50.000	54.071	-8.1	90	0.00
41	T	Methacrylonitrile	50.000	59.274	-18.5	96	0.00
42	TM	1,2-Dichloroethane	50.000	59.688	-19.4	102	0.00
43	T	Isopropyl Acetate	50.000	56.586	-13.2	92	0.00
44	TM	Trichloroethene	50.000	53.543	-7.1	92	0.00
45	C	1,2-Dichloropropane	50.000	54.233	-8.5#	94	0.00
46	T	Dibromomethane	50.000	58.204	-16.4	98	0.00
47	T	Bromodichloromethane	50.000	59.351	-18.7	101	0.00
48	T	Methyl methacrylate	50.000	59.086	-18.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	938.459	6.2	80	0.00
50	S	Toluene-d8	50.000	51.765	-3.5	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.145	-13.7	94	0.00
52	CM	Toluene	50.000	55.490	-11.0#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	62.714	-25.4#	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	61.078	-22.2	99	0.00
55	T	1,1,2-Trichloroethane	50.000	54.637	-9.3	92	0.00
56	T	Ethyl methacrylate	50.000	56.775	-13.5	91	0.00
57	T	1,3-Dichloropropane	50.000	54.996	-10.0	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	290.277	-16.1	91	0.00
59	T	2-Hexanone	250.000	289.177	-15.7	95	0.00
60	T	Dibromochloromethane	50.000	59.051	-18.1	97	0.00
61	T	1,2-Dibromoethane	50.000	55.474	-10.9	94	0.00
62	S	4-Bromofluorobenzene	50.000	54.537	-9.1	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	56.573	-13.1	95	0.00
65	PM	Chlorobenzene	50.000	56.091	-12.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.796	-15.6	97	0.00
67	C	Ethyl Benzene	50.000	57.291	-14.6#	92	0.00
68	T	m/p-Xylenes	100.000	114.295	-14.3	90	0.00
69	T	o-Xylene	50.000	55.079	-10.2	90	0.00
70	T	Styrene	50.000	57.615	-15.2	91	0.00
71	P	Bromoform	50.000	59.529	-19.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	56.299	-12.6	94	0.00
74	T	N-amyl acetate	50.000	56.311	-12.6	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.043	-6.1	95	0.00
76	T	1,2,3-Trichloropropane	50.000	54.812	-9.6	99	0.00
77	T	Bromobenzene	50.000	53.787	-7.6	94	0.00
78	T	n-propylbenzene	50.000	58.471	-16.9	95	0.00
79	T	2-Chlorotoluene	50.000	53.953	-7.9	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.669	-13.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	61.185	-22.4	109	0.00
82	T	4-Chlorotoluene	50.000	56.390	-12.8	95	0.00
83	T	tert-Butylbenzene	50.000	55.097	-10.2	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.511	-13.0	94	0.00
85	T	sec-Butylbenzene	50.000	59.284	-18.6	97	0.00
86	T	p-Isopropyltoluene	50.000	59.464	-18.9	97	0.00
87	T	1,3-Dichlorobenzene	50.000	54.523	-9.0	95	0.00
88	T	1,4-Dichlorobenzene	50.000	53.992	-8.0	94	0.00
89	T	n-Butylbenzene	50.000	63.349	-26.7#	101	0.00
90	T	Hexachloroethane	50.000	58.585	-17.2	98	0.00
91	T	1,2-Dichlorobenzene	50.000	54.663	-9.3	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	58.578	-17.2	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	58.569	-17.1	97	0.00
94	T	Hexachlorobutadiene	50.000	61.947	-23.9	108	0.00
95	T	Naphthalene	50.000	56.574	-13.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	58.994	-18.0	98	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 20:41

Lab File ID: VX045401.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.594		-5.56	50
Chloromethane	0.770	0.665	0.1	-13.64	50
Vinyl Chloride	0.764	0.670		-12.3	50
Bromomethane	0.300	0.299		-0.33	50
Chloroethane	0.352	0.318		-9.66	50
Trichlorofluoromethane	1.012	1.001		-1.09	50
1,1,2-Trichlorotrifluoroethane	0.581	0.641		10.33	50
1,1-Dichloroethene	0.614	0.617		0.49	50
Acetone	0.369	0.402		8.94	50
Carbon Disulfide	1.636	1.252		-23.47	50
Methyl tert-butyl Ether	2.061	2.356		14.31	50
Methyl Acetate	0.888	1.318		48.42	50
Methylene Chloride	0.731	0.756		3.42	50
trans-1,2-Dichloroethene	0.607	0.628		3.46	50
1,1-Dichloroethane	1.247	1.379	0.1	10.59	50
Cyclohexane	1.082	1.047		-3.23	50
2-Butanone	0.555	0.630		13.51	50
Carbon Tetrachloride	0.465	0.523		12.47	50
cis-1,2-Dichloroethene	0.749	0.813		8.55	50
Bromochloromethane	0.594	0.686		15.49	50
Chloroform	1.239	1.447		16.79	50
1,1,1-Trichloroethane	1.000	1.146		14.6	50
Methylcyclohexane	0.549	0.568		3.46	50
Benzene	1.448	1.560		7.74	50
1,2-Dichloroethane	0.521	0.643		23.42	50
Trichloroethene	0.340	0.363		6.76	50
1,2-Dichloropropane	0.372	0.411		10.48	50
Bromodichloromethane	0.516	0.610		18.22	50
4-Methyl-2-Pentanone	0.587	0.687		17.04	50
Toluene	0.849	0.935		10.13	50
t-1,3-Dichloropropene	0.431	0.511		18.56	50
cis-1,3-Dichloropropene	0.503	0.587		16.7	50
1,1,2-Trichloroethane	0.350	0.393		12.29	50
2-Hexanone	0.425	0.501		17.88	50
Dibromochloromethane	0.366	0.422		15.3	50
1,2-Dibromoethane	0.349	0.397		13.75	50
Tetrachloroethene	0.320	0.342		6.88	50
Chlorobenzene	1.058	1.142	0.3	7.94	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: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1582 SAS No.: Q1582 SDG No.: Q1582

Instrument ID: MSVOA_X Calibration Date/Time: 03/21/2025 20:41

Lab File ID: VX045401.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	2.065		12.05	50
m/p-Xylenes	0.675	0.755		11.85	50
o-Xylene	0.681	0.735		7.93	50
Styrene	1.101	1.256		14.08	50
Bromoform	0.266	0.308	0.1	15.79	50
Isopropylbenzene	3.903	4.244		8.74	50
1,1,2,2-Tetrachloroethane	1.432	1.557	0.3	8.73	50
1,3-Dichlorobenzene	1.643	1.746		6.27	50
1,4-Dichlorobenzene	1.662	1.744		4.93	50
1,2-Dichlorobenzene	1.648	1.783		8.19	50
1,2-Dibromo-3-Chloropropane	0.279	0.332		19	50
1,2,4-Trichlorobenzene	0.938	1.069		13.97	50
1,2,3-Trichlorobenzene	0.990	1.092		10.3	50
1,2-Dichloroethane-d4	0.795	0.875		10.06	50
Dibromofluoromethane	0.334	0.358		7.19	50
Toluene-d8	1.212	1.198		-1.15	50
4-Bromofluorobenzene	0.402	0.422		4.97	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\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	74853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	54.980	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	5.379	113	48269	53.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	8.647	98	161646	49.417	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.840%			
62) 4-Bromofluorobenzene	11.079	95	56960	52.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44493	47.221	ug/l	96
3) Chloromethane	1.307	50	49810	43.198	ug/l	99
4) Vinyl Chloride	1.374	62	50137	43.831	ug/l	98
5) Bromomethane	1.593	94	22345	49.692	ug/l	100
6) Chloroethane	1.660	64	23804	45.116	ug/l	98
7) Trichlorofluoromethane	1.868	101	74964	49.505	ug/l	99
8) Diethyl Ether	2.136	74	28674	48.412	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	47964	55.132	ug/l	99
10) Methyl Iodide	2.441	142	59117	54.375	ug/l	94
11) Tert butyl alcohol	2.989	59	48799	216.377	ug/l	98
12) 1,1-Dichloroethene	2.307	96	46209	50.239	ug/l	95
13) Acrolein	2.239	56	65119	249.782	ug/l	99
14) Allyl chloride	2.654	41	90404	55.217	ug/l	94
15) Acrylonitrile	3.062	53	163717	270.857	ug/l	99
16) Acetone	2.386	43	150609	272.633	ug/l	94
17) Carbon Disulfide	2.502	76	93735	38.262	ug/l	98
18) Methyl Acetate	2.703	43	98631	74.217	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	176330	57.141	ug/l	99
20) Methylene Chloride	2.782	84	56599	51.722	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	47043	51.770	ug/l	98
22) Diisopropyl ether	3.764	45	190414	57.185	ug/l	97
23) Vinyl Acetate	3.721	43	785465	282.670	ug/l	98
24) 1,1-Dichloroethane	3.599	63	103230	55.318	ug/l	99
25) 2-Butanone	4.562	43	235908	283.702	ug/l	99
26) 2,2-Dichloropropane	4.471	77	60745	69.398	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	60830	54.229	ug/l	94
28) Bromochloromethane	4.891	49	51351	57.732	ug/l	99
29) Tetrahydrofuran	5.007	42	150362	269.265	ug/l	100
30) Chloroform	5.087	83	108341	58.430	ug/l	97
31) Cyclohexane	5.465	56	78351	48.368	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	85762	57.268	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66133	53.446	ug/l	99
37) Ethyl Acetate	4.715	43	87199	54.690	ug/l	99
38) Carbon Tetrachloride	5.672	117	70522	56.138	ug/l	97
39) Methylcyclohexane	7.373	83	76690	51.725	ug/l	96
40) Benzene	6.031	78	210474	53.866	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	51712	59.981	ug/l		98
42) 1,2-Dichloroethane	6.080	62	86759	61.661	ug/l		97
43) Isopropyl Acetate	6.342	43	135762	57.582	ug/l		98
44) Trichloroethene	7.123	130	49047	53.459	ug/l		96
45) 1,2-Dichloropropane	7.428	63	55501	55.246	ug/l		96
46) Dibromomethane	7.580	93	41450	58.374	ug/l		96
47) Bromodichloromethane	7.818	83	82269	59.068	ug/l		99
48) Methyl methacrylate	7.690	41	69727	58.949	ug/l		94
49) 1,4-Dioxane	7.665	88	24595	985.741	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	463190	292.590	ug/l		99
52) Toluene	8.714	92	126198	55.048	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	68896	59.170	ug/l		94
54) cis-1,3-Dichloropropene	8.360	75	79164	58.304	ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	52975	56.131	ug/l		99
56) Ethyl methacrylate	9.116	69	83667	58.321	ug/l		93
57) 1,3-Dichloropropane	9.305	76	91764	56.184	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	229112	327.394	ug/l		98
59) 2-Hexanone	9.427	43	338175	294.834	ug/l		98
60) Dibromochloromethane	9.519	129	57002	57.765	ug/l		99
61) 1,2-Dibromoethane	9.604	107	53600	56.890	ug/l		98
64) Tetrachloroethene	9.269	164	39719	53.474	ug/l		96
65) Chlorobenzene	10.080	112	132438	53.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45778	56.016	ug/l		99
67) Ethyl Benzene	10.189	91	239507	56.012	ug/l		98
68) m/p-Xylenes	10.299	106	175085	111.853	ug/l		96
69) o-Xylene	10.640	106	85276	54.016	ug/l		94
70) Styrene	10.653	104	145711	57.041	ug/l		97
71) Bromoform	10.799	173	35721	57.963	ug/l	#	97
73) Isopropylbenzene	10.957	105	227633	54.369	ug/l		99
74) N-amyl acetate	10.842	43	110444	56.217	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83518	54.359	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	68356m	54.751	ug/l		
77) Bromobenzene	11.195	156	51333	51.964	ug/l		96
78) n-propylbenzene	11.299	91	262384	55.477	ug/l		98
79) 2-Chlorotoluene	11.360	91	160491	53.282	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	183136	54.096	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	18639	51.090	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	179417	54.654	ug/l		99
83) tert-Butylbenzene	11.713	119	186344	53.572	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	187934	55.172	ug/l		98
85) sec-Butylbenzene	11.890	105	230317	55.276	ug/l		100
86) p-Isopropyltoluene	12.006	119	188467	55.971	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	93653	53.143	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	93536	52.463	ug/l		99
89) n-Butylbenzene	12.329	91	166636	57.458	ug/l		99
90) Hexachloroethane	12.536	117	32352	53.118	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	95638	54.100	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17831	59.571	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	57341	56.965	ug/l		98
94) Hexachlorobutadiene	13.725	225	22756	55.141	ug/l		98
95) Naphthalene	13.774	128	219620	56.787	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	58600	55.183	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

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

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

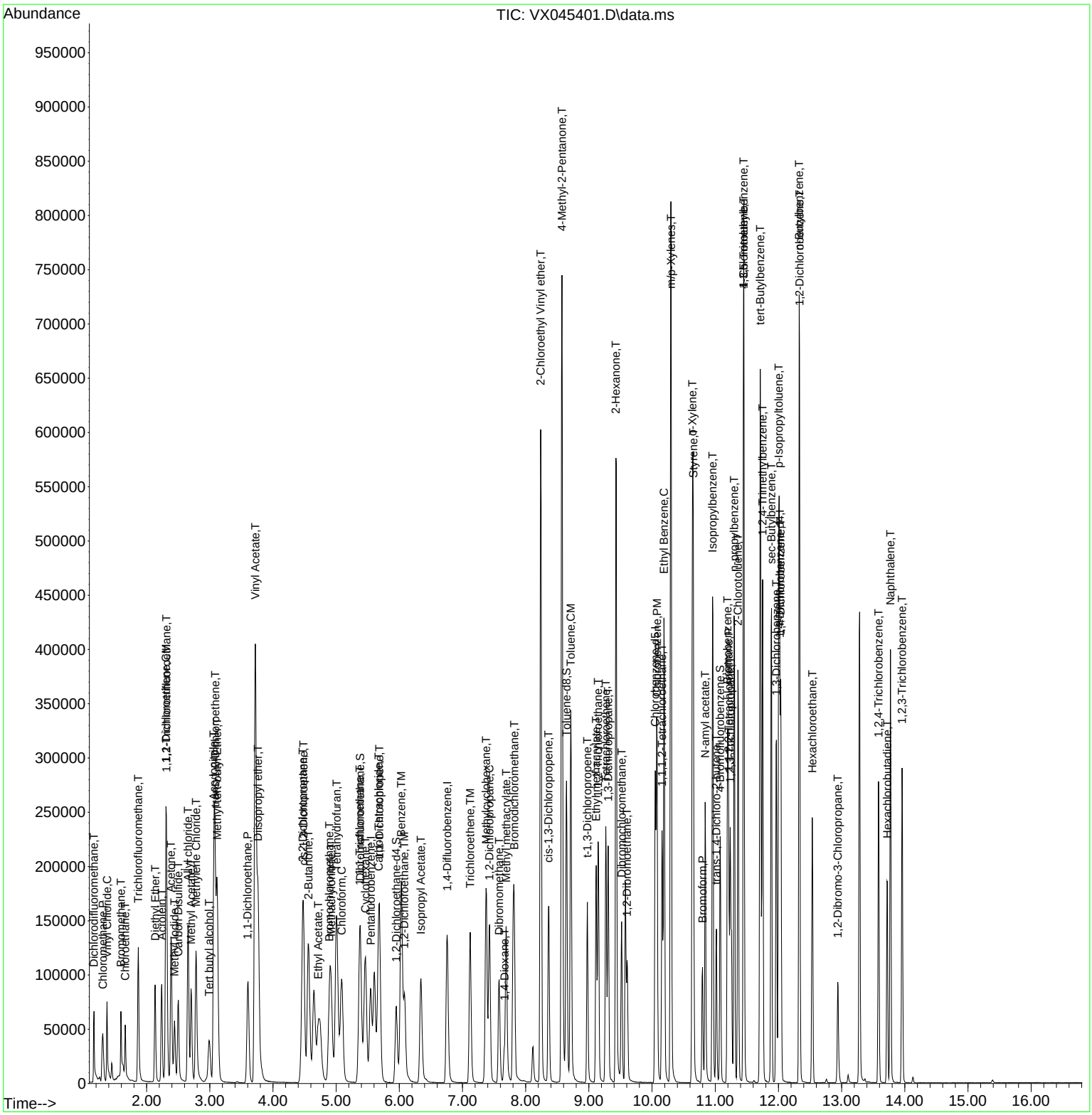
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

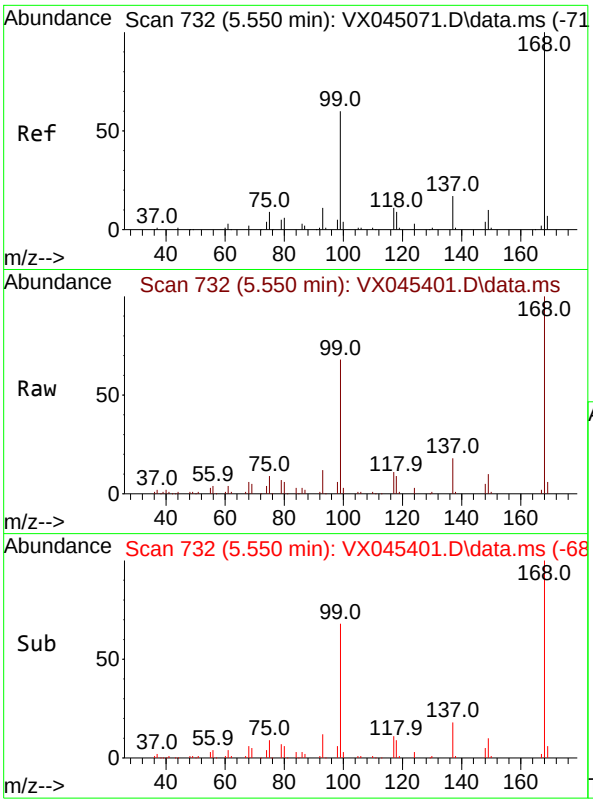
Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
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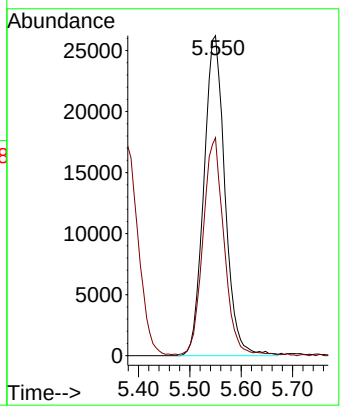




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:168 Resp: 7485

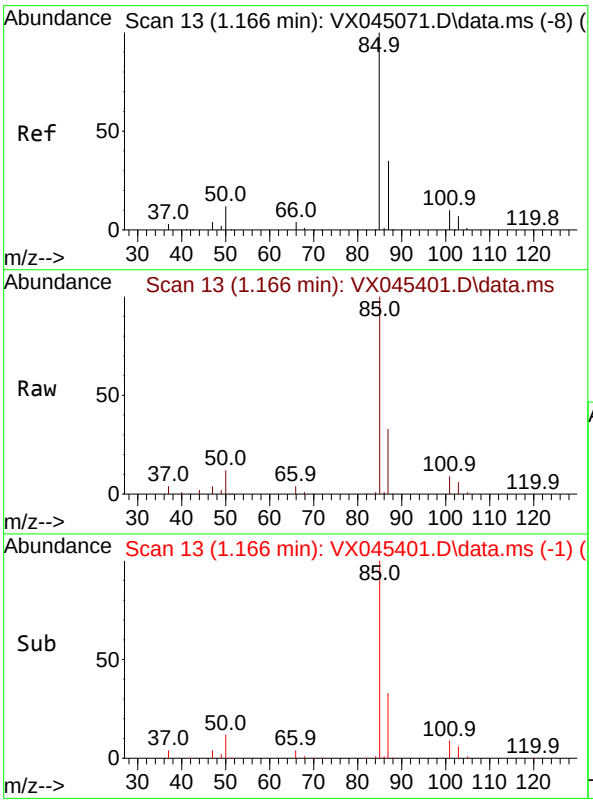
Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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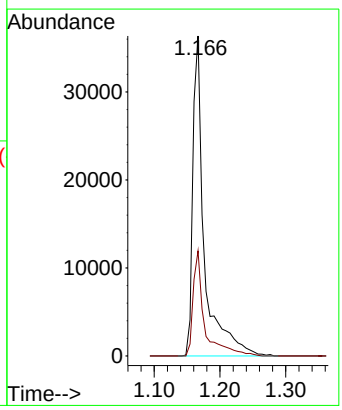
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

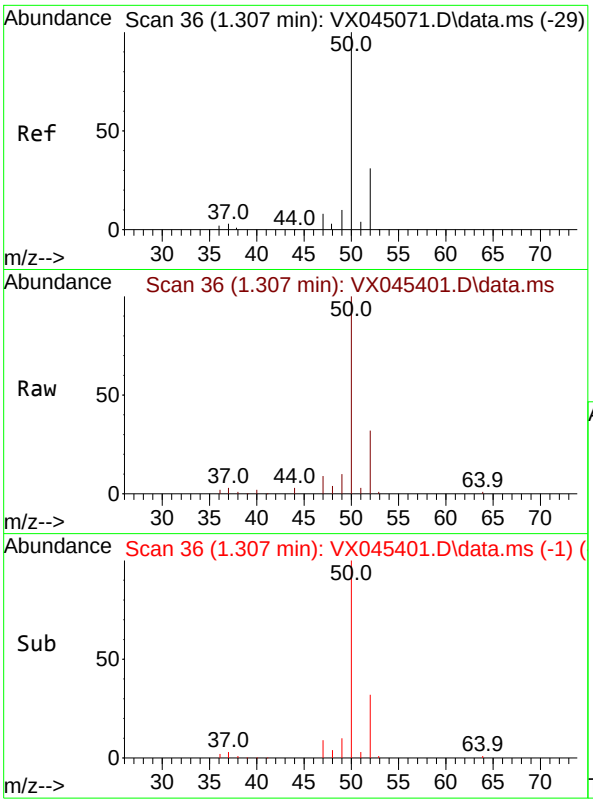


#2
Dichlorodifluoromethane
Concen: 47.221 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 85 Resp: 44493

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3

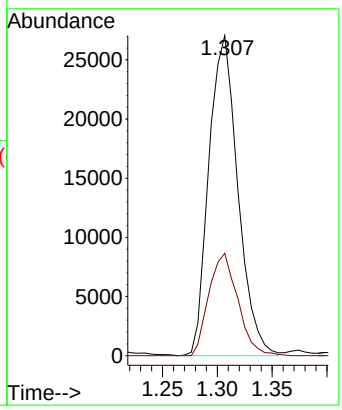




#3
Chloromethane
Concen: 43.198 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 50 Resp: 4981

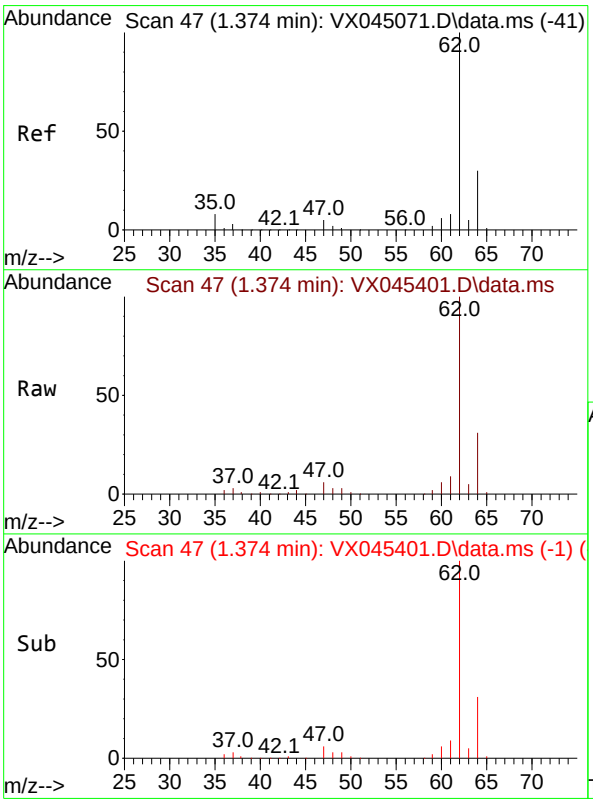
Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

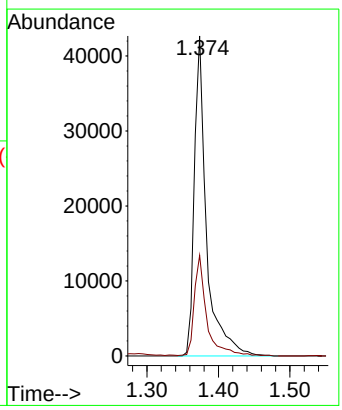
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

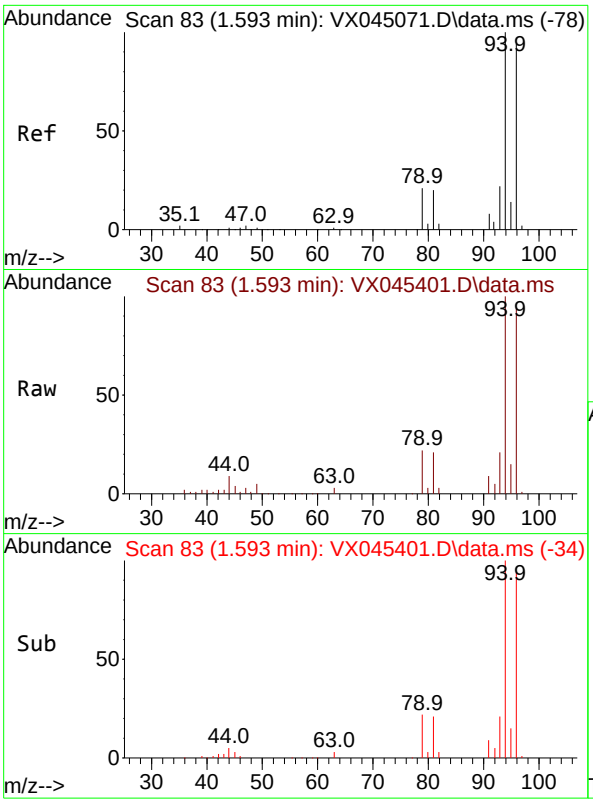


#4
Vinyl Chloride
Concen: 43.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 50137

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5

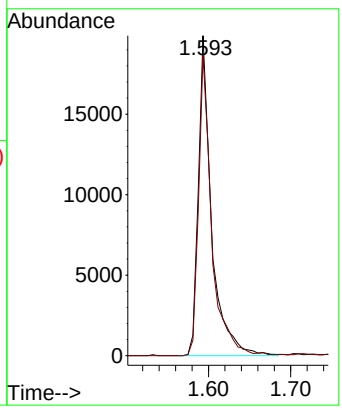




#5
Bromomethane
Concen: 49.692 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 94 Resp: 2234

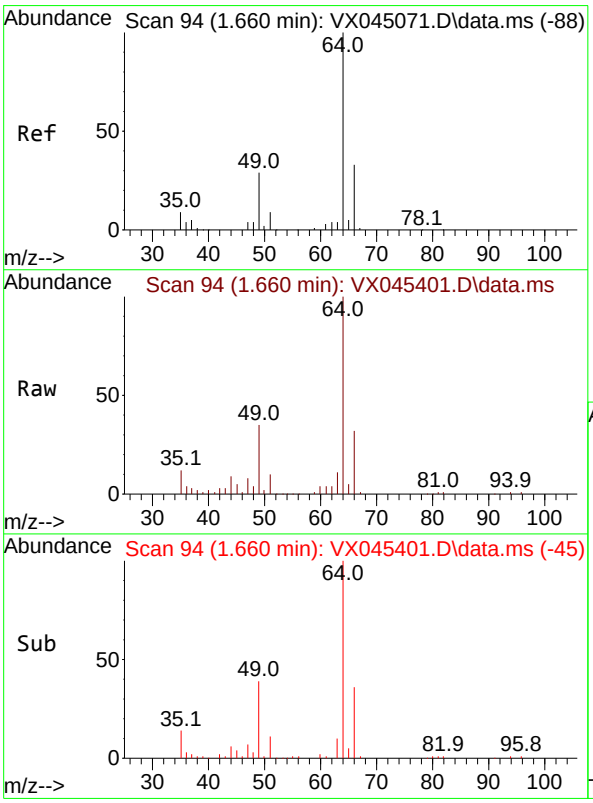
Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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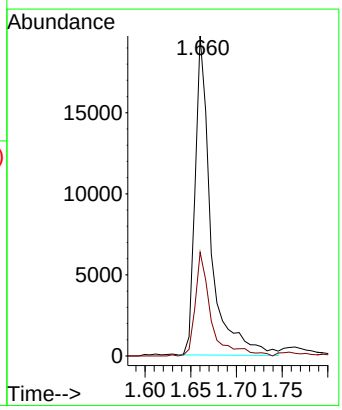
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

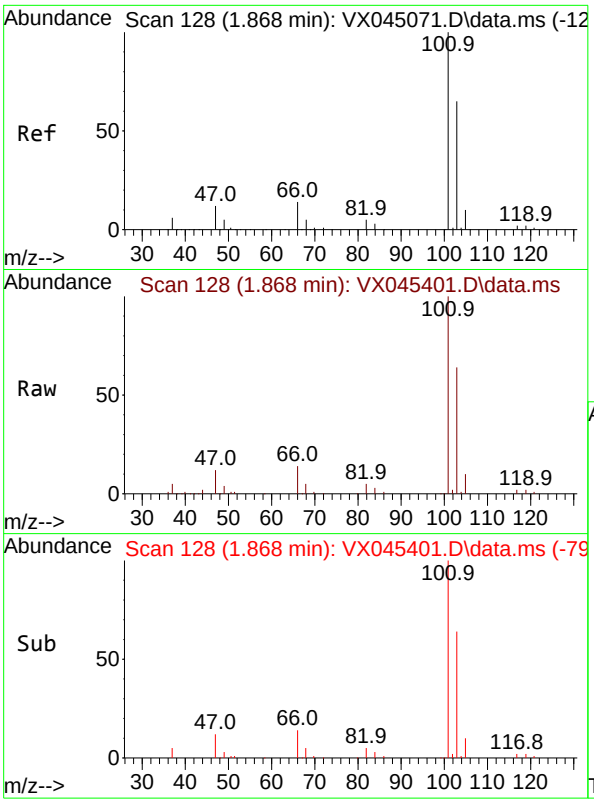


#6
Chloroethane
Concen: 45.116 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 64 Resp: 23804

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1





#7
Trichlorofluoromethane
Concen: 49.505 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

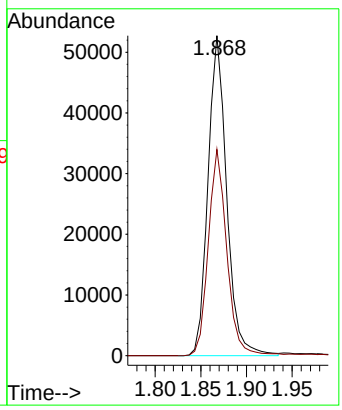
Tgt Ion:101 Resp: 7496

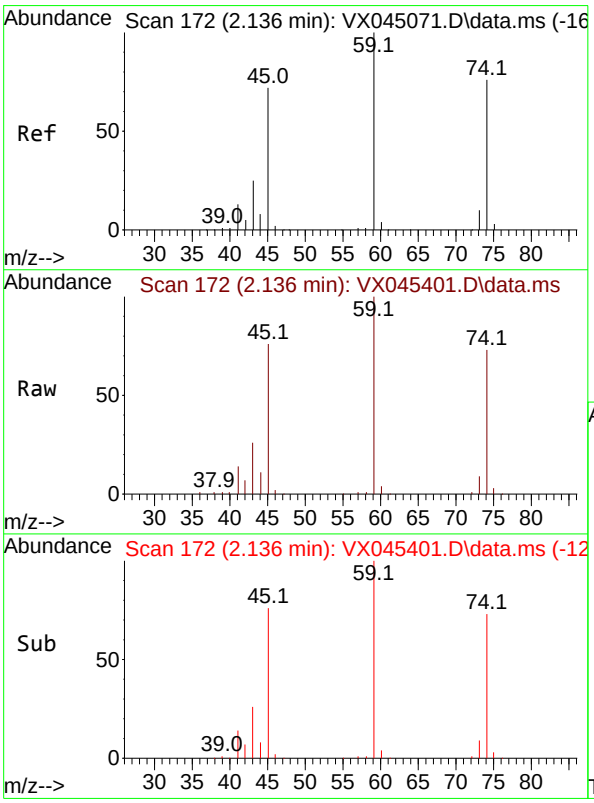
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

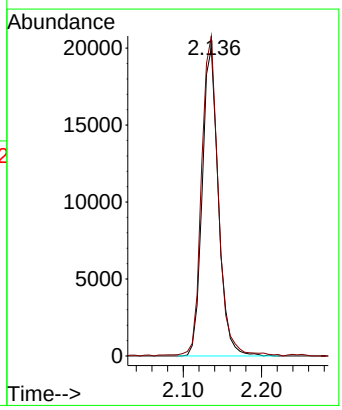


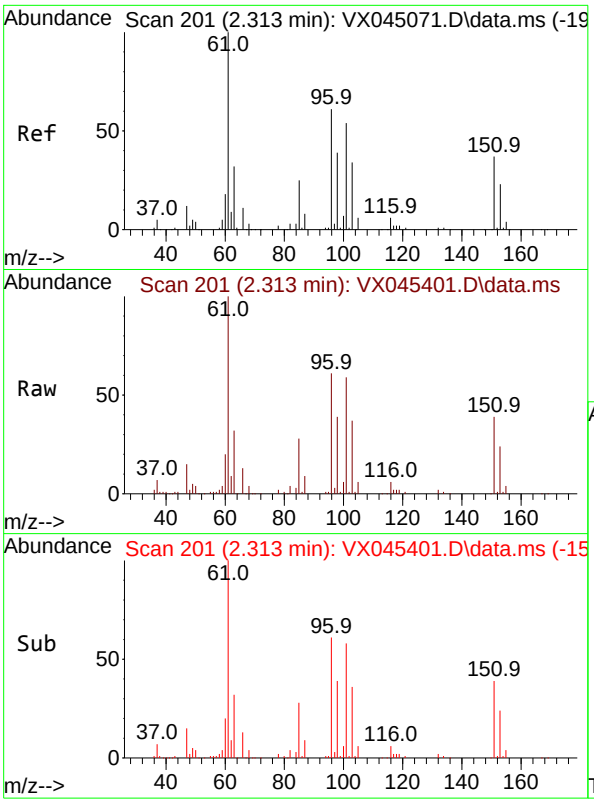


#8
Diethyl Ether
Concen: 48.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 74 Resp: 28674

Ion	Ratio	Lower	Upper
74	100		
45	108.2	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.132 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

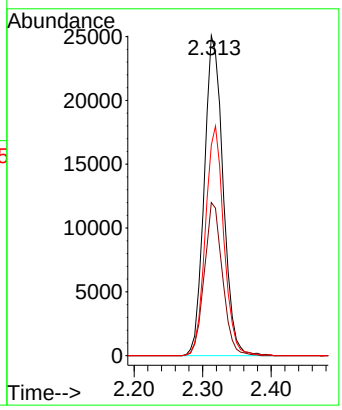
Tgt Ion:101 Resp: 4796

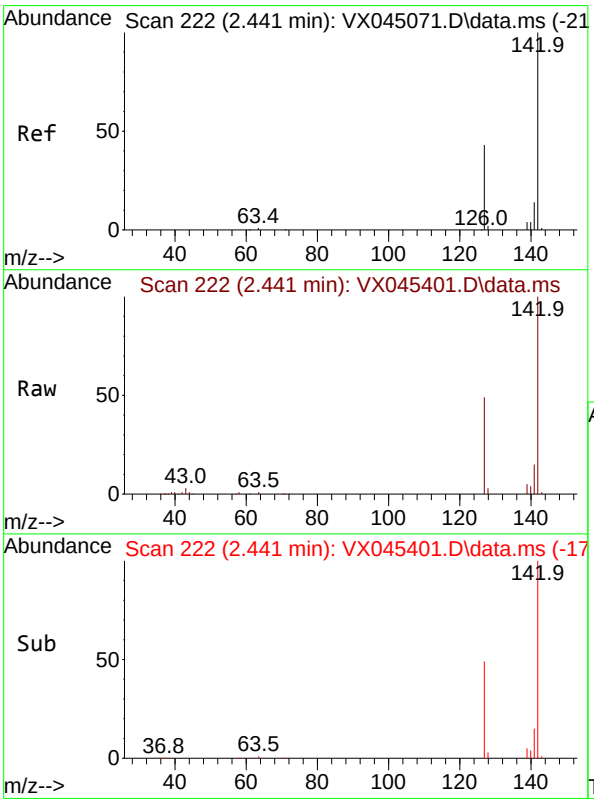
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	70.1	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Supervised By :Mahesh Dadoda 03/24/2025

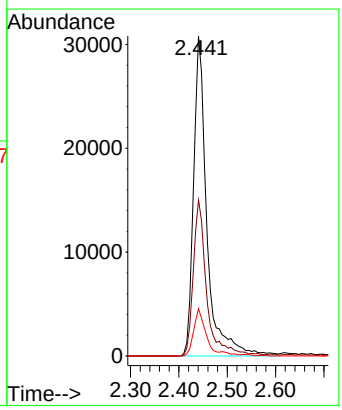


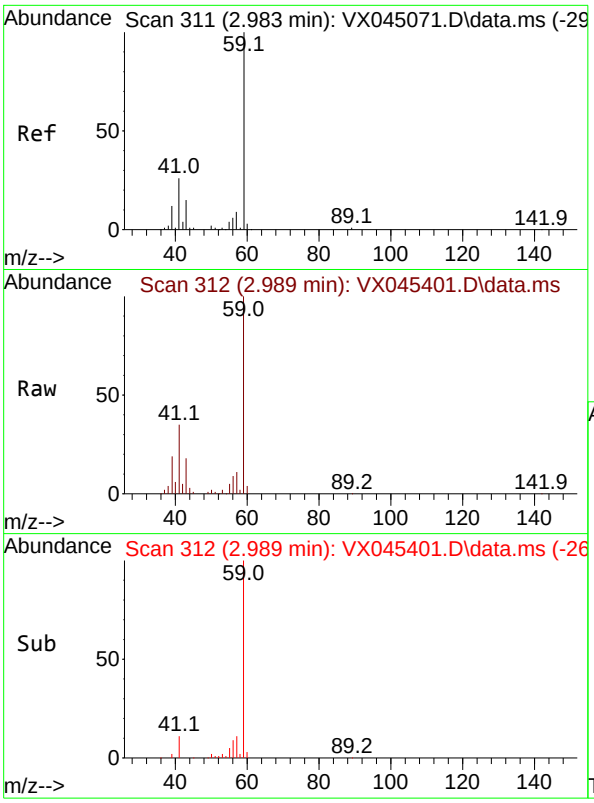


#10
Methyl Iodide
Concen: 54.375 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:142 Resp: 59117

Ion	Ratio	Lower	Upper
142	100		
127	49.0	35.4	53.2
141	14.1	11.6	17.4

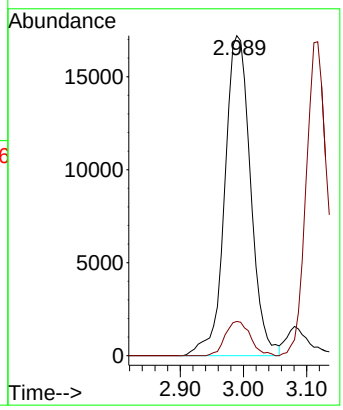




#11
Tert butyl alcohol
Concen: 216.377 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 59 Resp: 4879

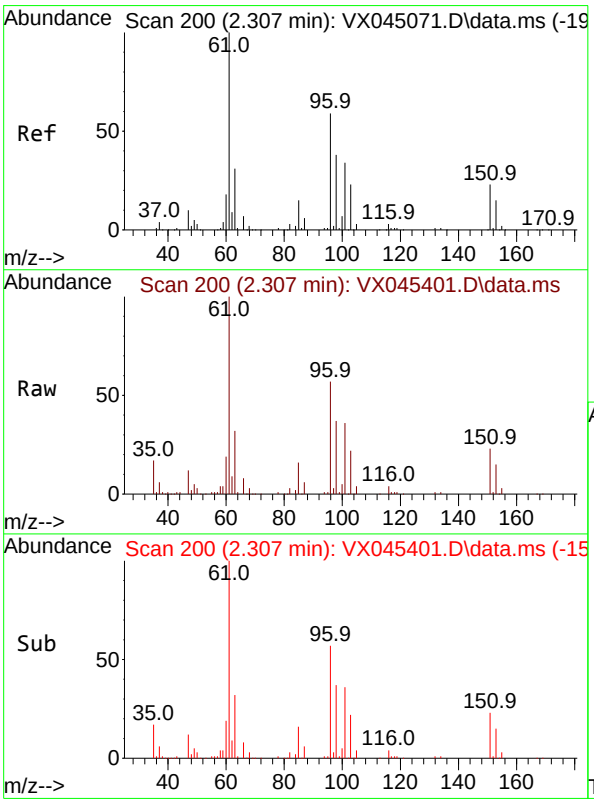
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

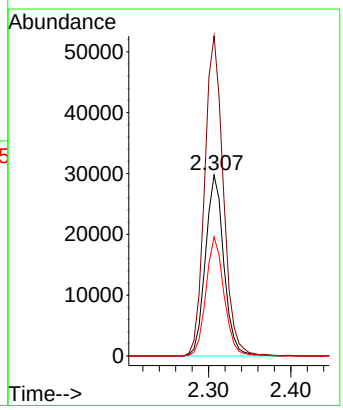
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

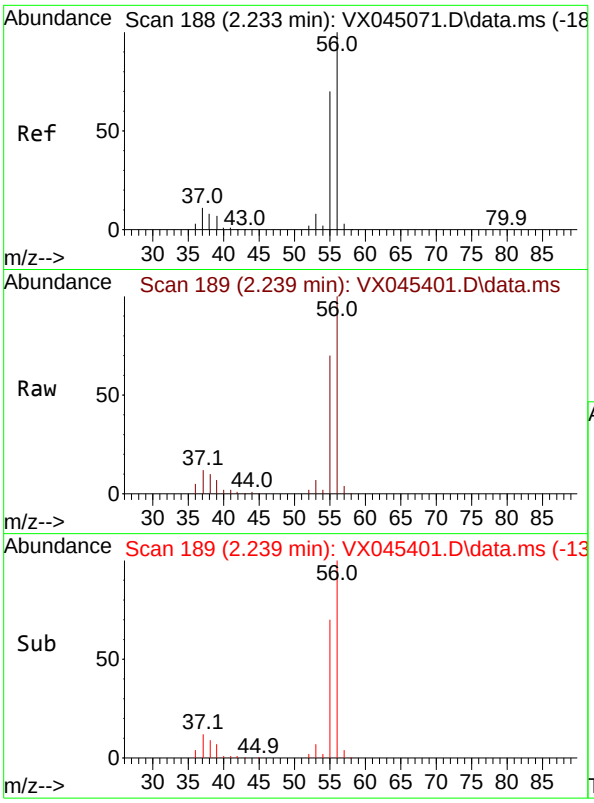


#12
1,1-Dichloroethene
Concen: 50.239 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 96 Resp: 46209

Ion	Ratio	Lower	Upper
96	100		
61	177.0	134.6	202.0
98	65.8	51.0	76.6

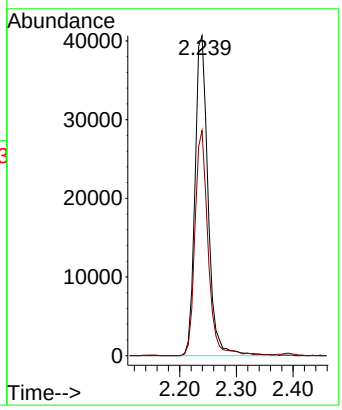




#13
Acrolein
Concen: 249.782 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 56 Resp: 6511

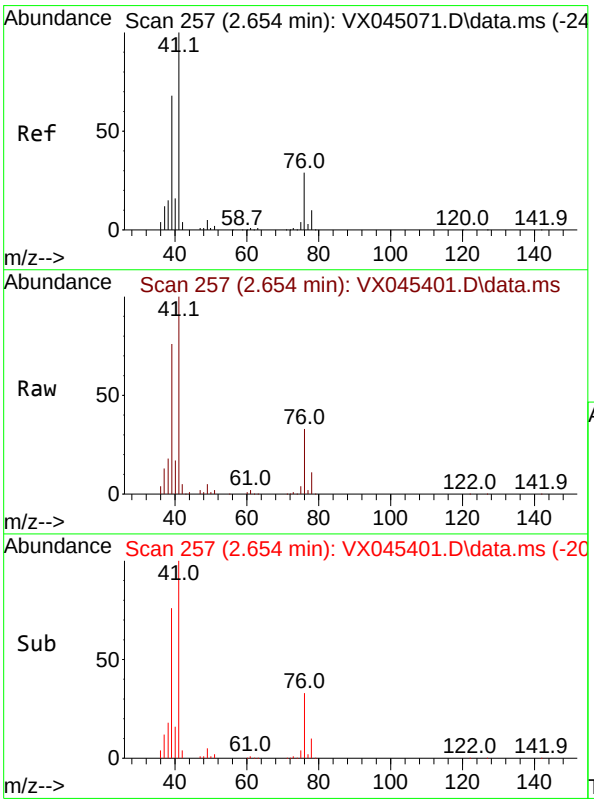
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

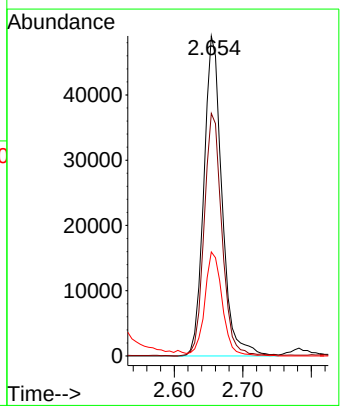
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

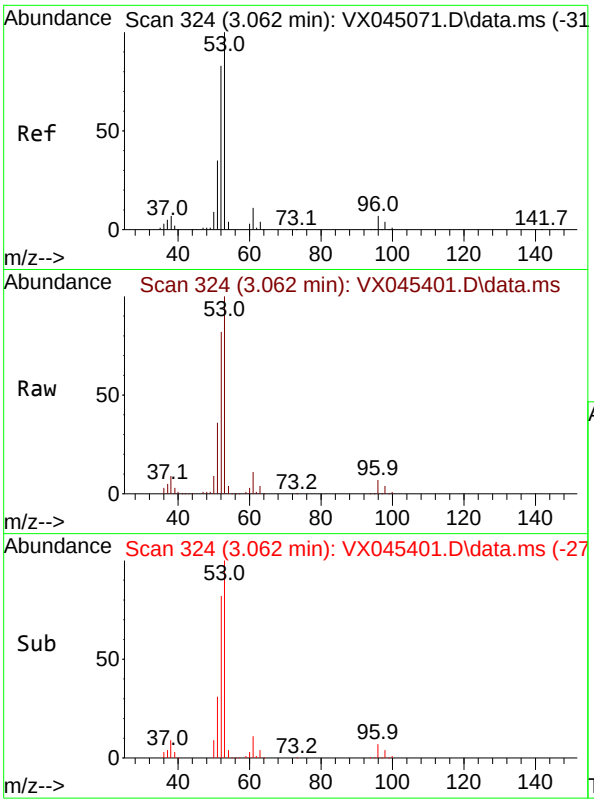


#14
Allyl chloride
Concen: 55.217 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 90404

Ion	Ratio	Lower	Upper
41	100		
39	74.4	53.8	80.8
76	31.6	25.2	37.8





#15
Acrylonitrile
Concen: 270.857 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

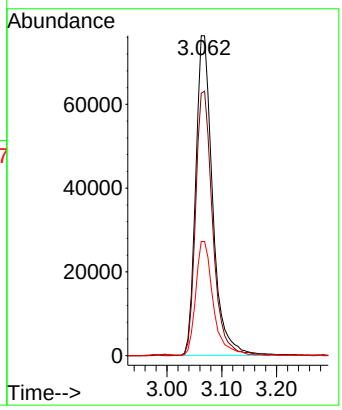
Tgt Ion: 53 Resp: 16371

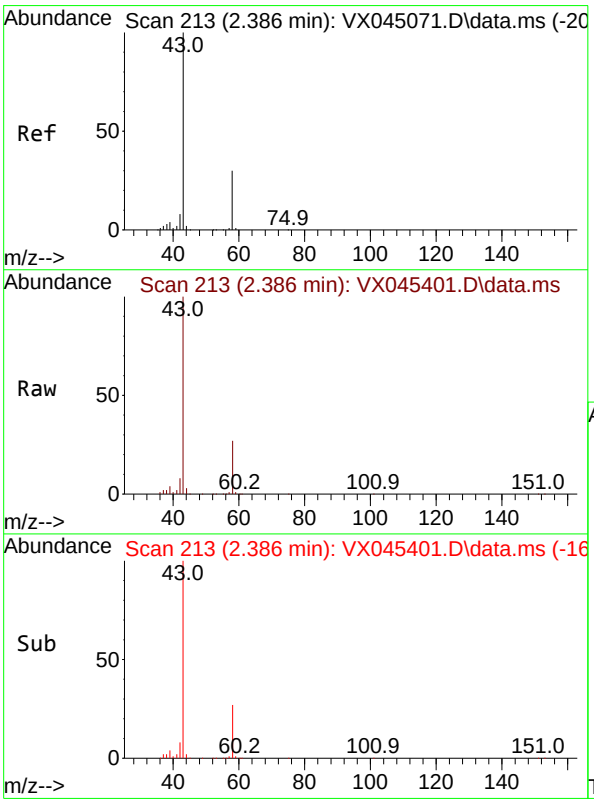
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.7	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

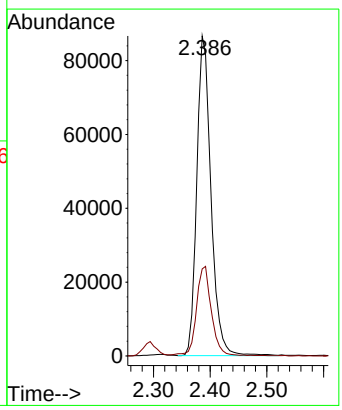


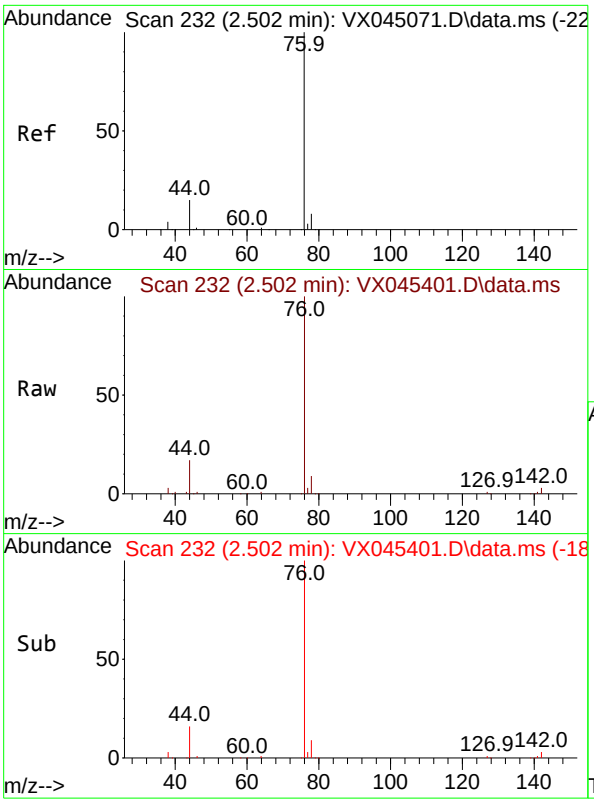


#16
Acetone
Concen: 272.633 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 150609

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.2	36.4

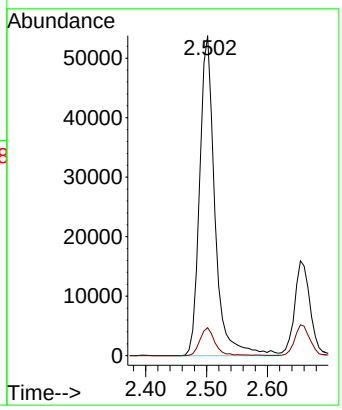




#17
Carbon Disulfide
Concen: 38.262 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 76 Resp: 9373

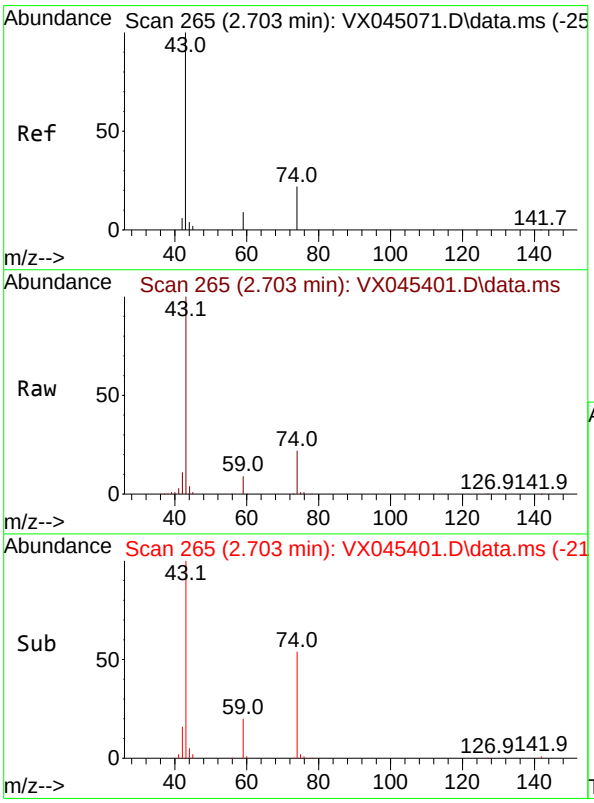
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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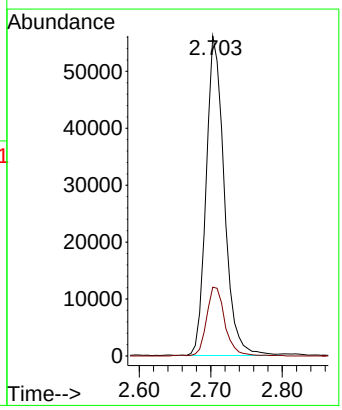
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

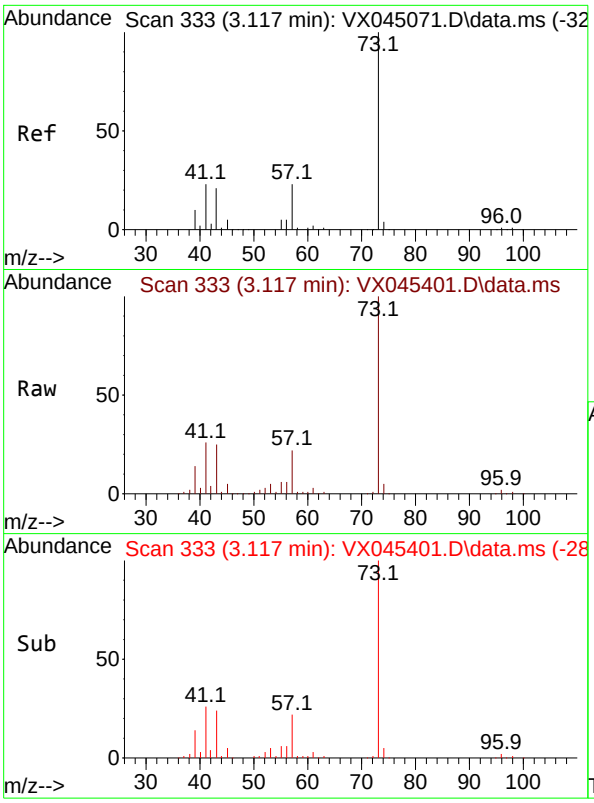


#18
Methyl Acetate
Concen: 74.217 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 98631

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

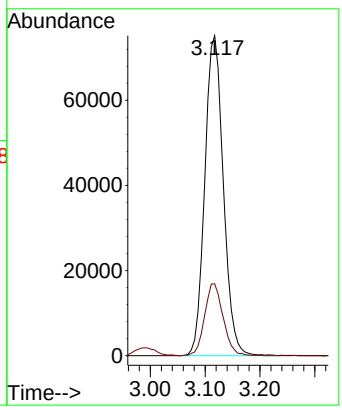




#19
Methyl tert-butyl Ether
Concen: 57.141 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 73 Resp: 17633

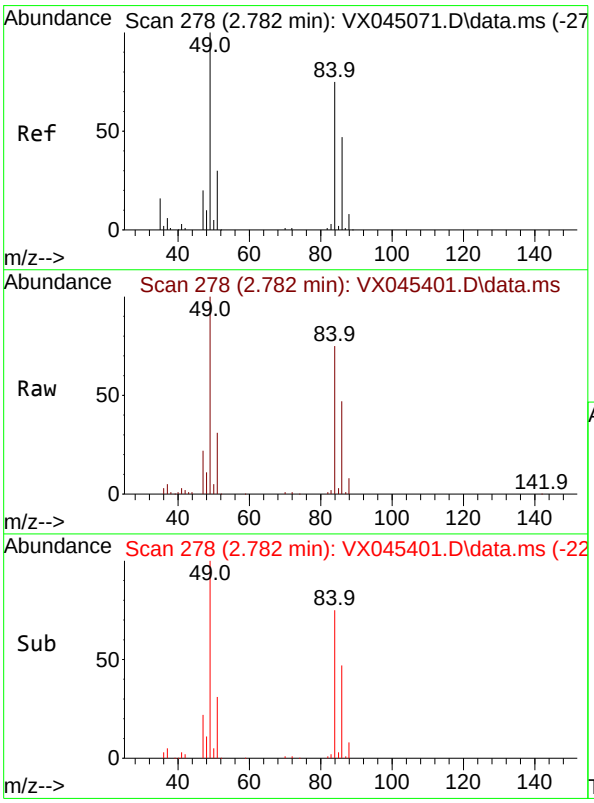
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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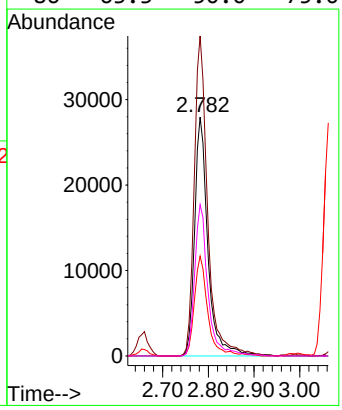
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

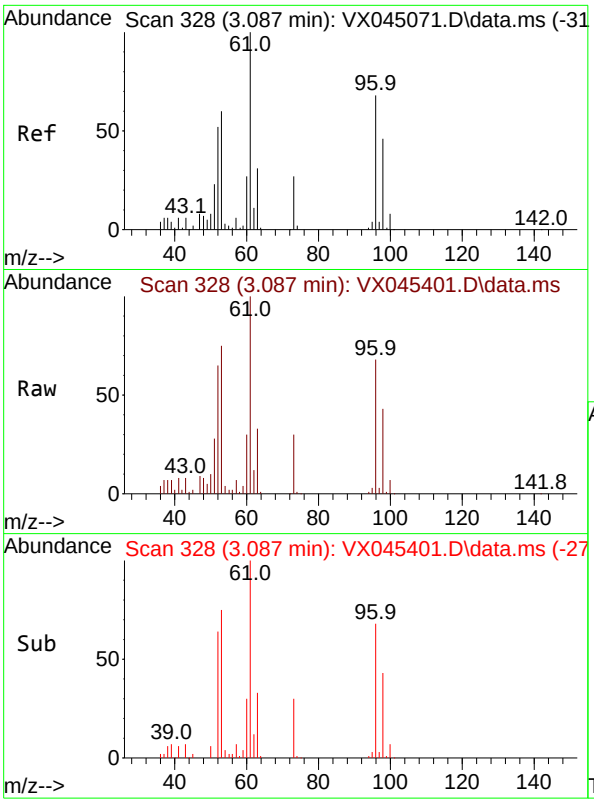


#20
Methylene Chloride
Concen: 51.722 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 84 Resp: 56599

Ion	Ratio	Lower	Upper
84	100		
49	133.9	106.5	159.7
51	41.8	32.1	48.1
86	63.3	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 51.770 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

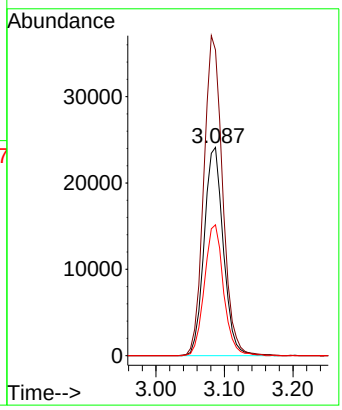
Tgt Ion: 96 Resp: 4704

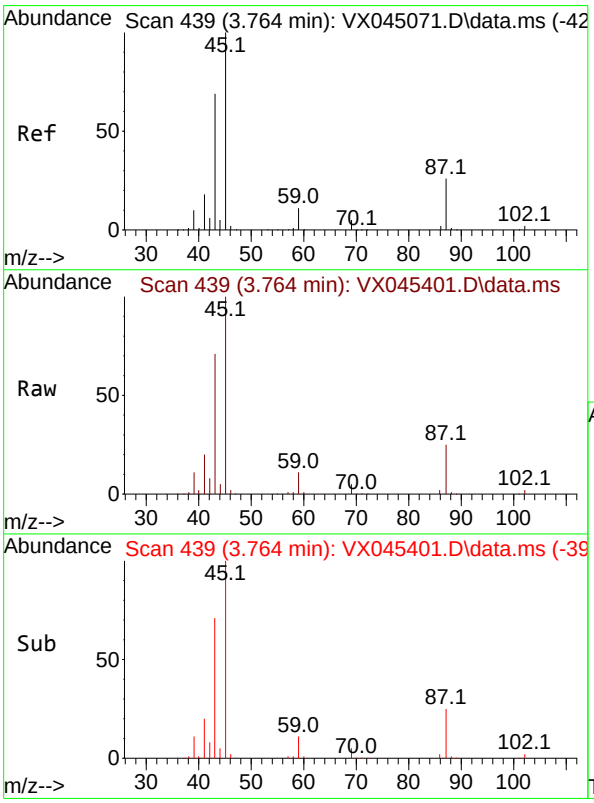
Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	62.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

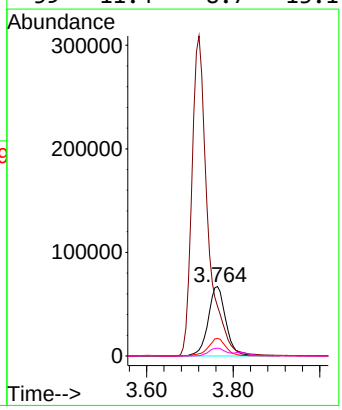


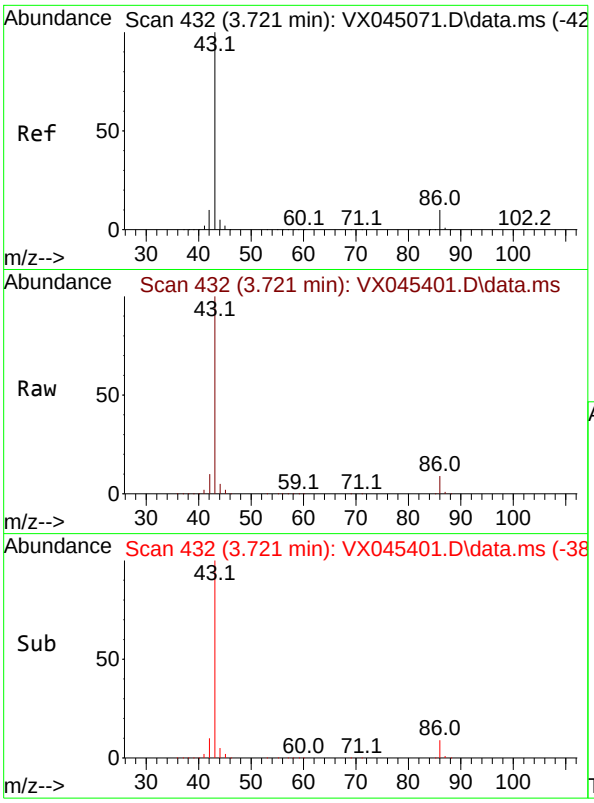


#22
Diisopropyl ether
Concen: 57.185 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 45 Resp: 190414

Ion	Ratio	Lower	Upper
45	100		
43	71.1	54.9	82.3
87	25.0	21.0	31.4
59	11.4	8.7	13.1





#23
Vinyl Acetate
Concen: 282.670 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

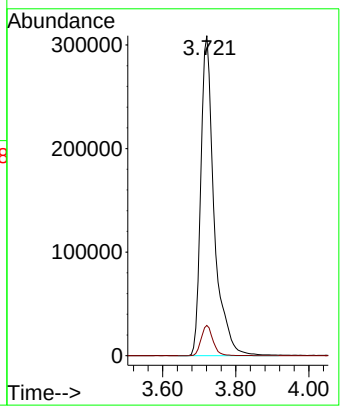
Tgt Ion: 43 Resp: 78546

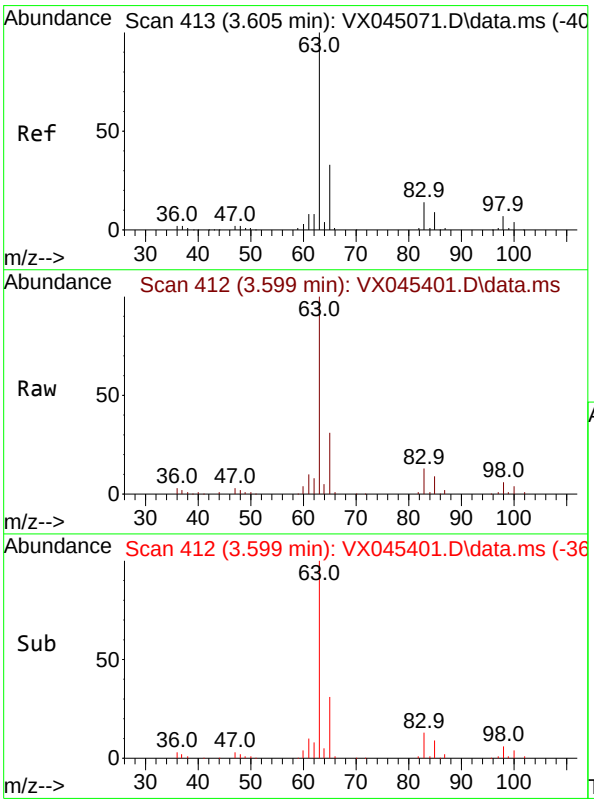
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

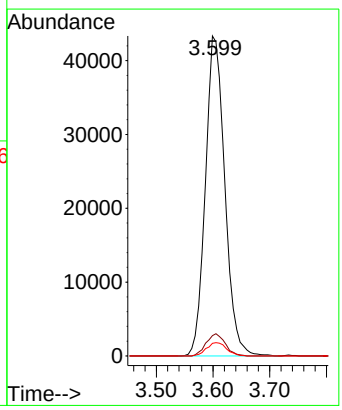


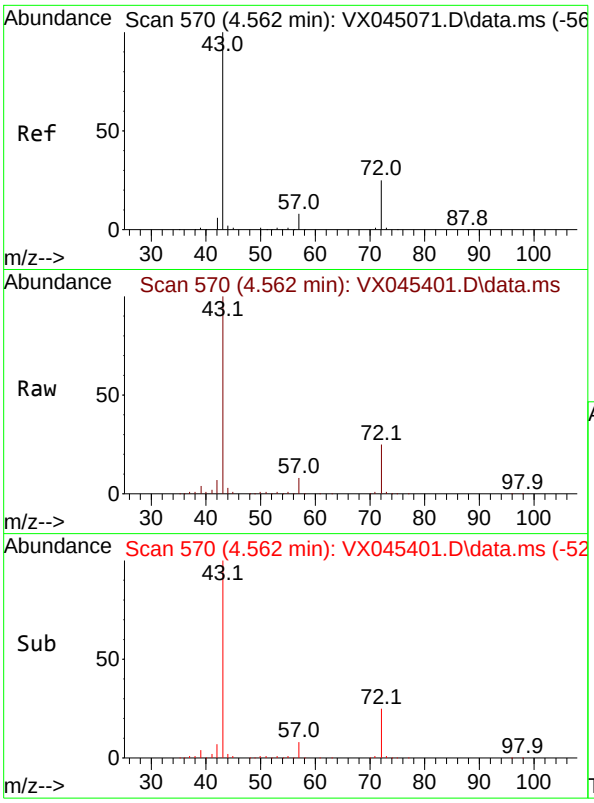


#24
1,1-Dichloroethane
Concen: 55.318 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 103230

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.0	2.1	6.5

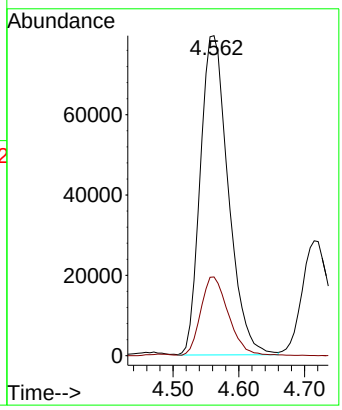




#25
2-Butanone
Concen: 283.702 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 23590

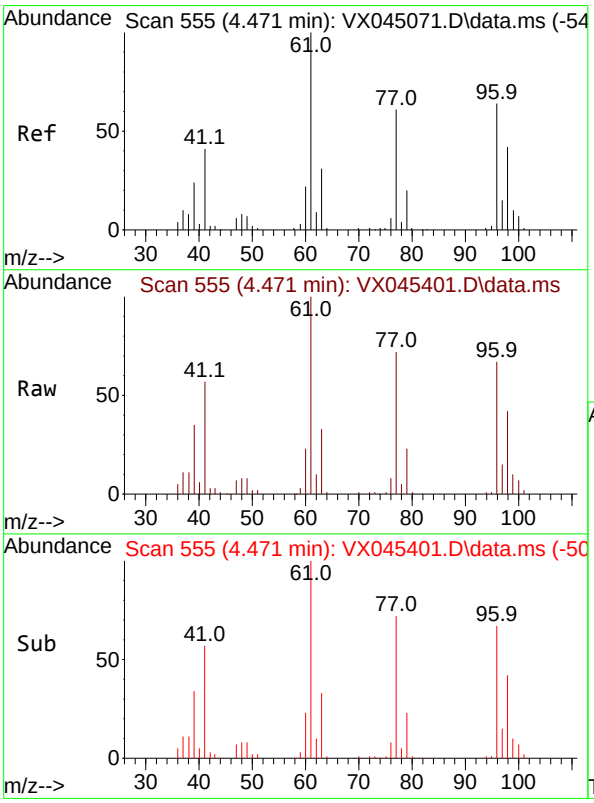
Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

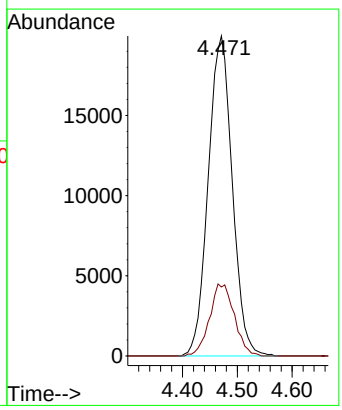
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

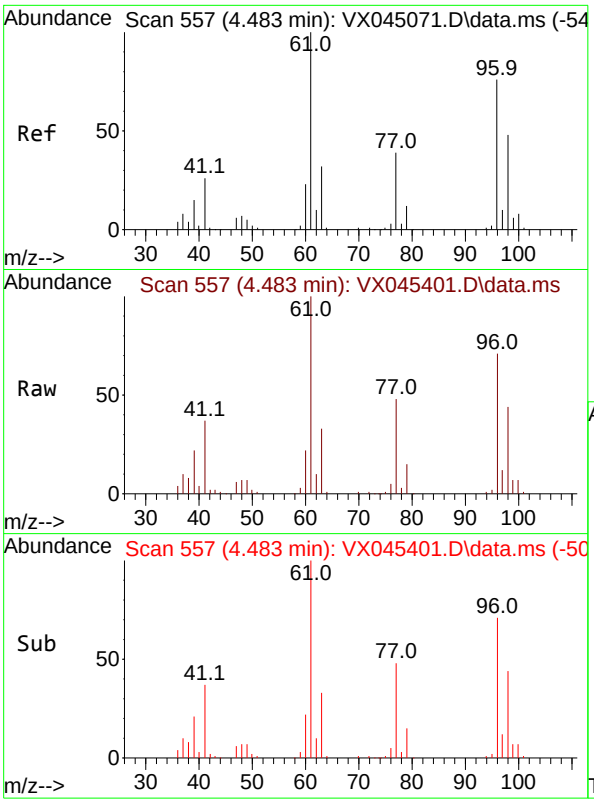


#26
2,2-Dichloropropane
Concen: 69.398 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 77 Resp: 60745

Ion	Ratio	Lower	Upper
77	100		
97	23.2	12.4	37.0

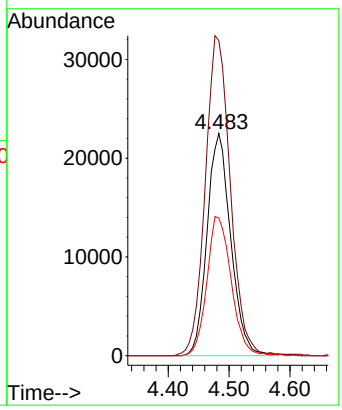




#27
cis-1,2-Dichloroethene
Concen: 54.229 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 96 Resp: 6083

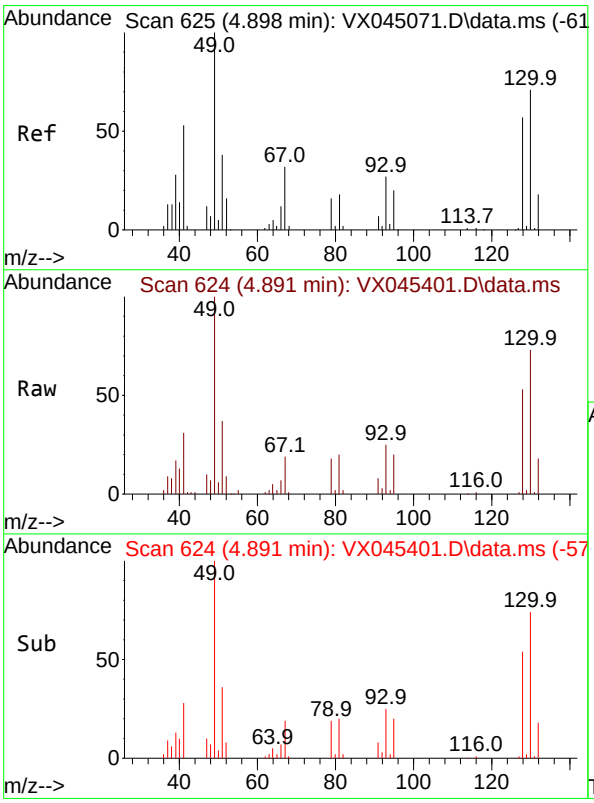
Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

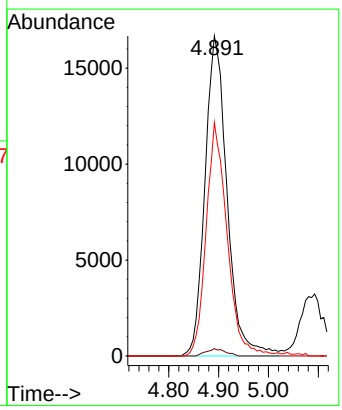
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

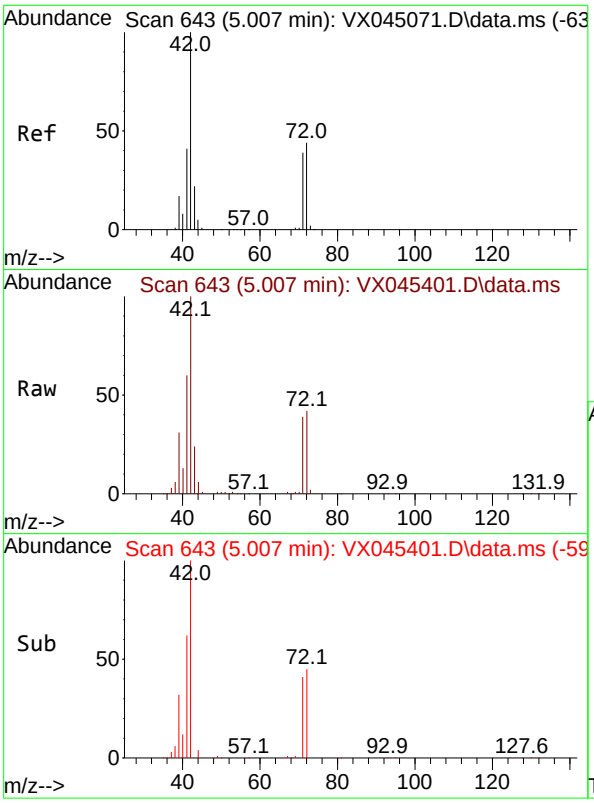


#28
Bromochloromethane
Concen: 57.732 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 49 Resp: 51351

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.3	56.1	84.1

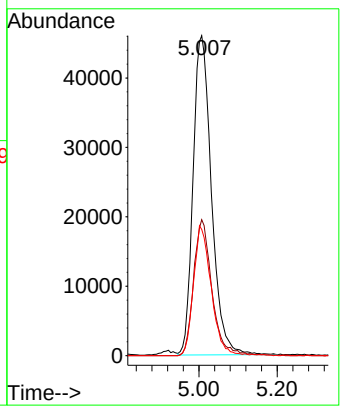




#29
Tetrahydrofuran
Concen: 269.265 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 42 Resp: 15036

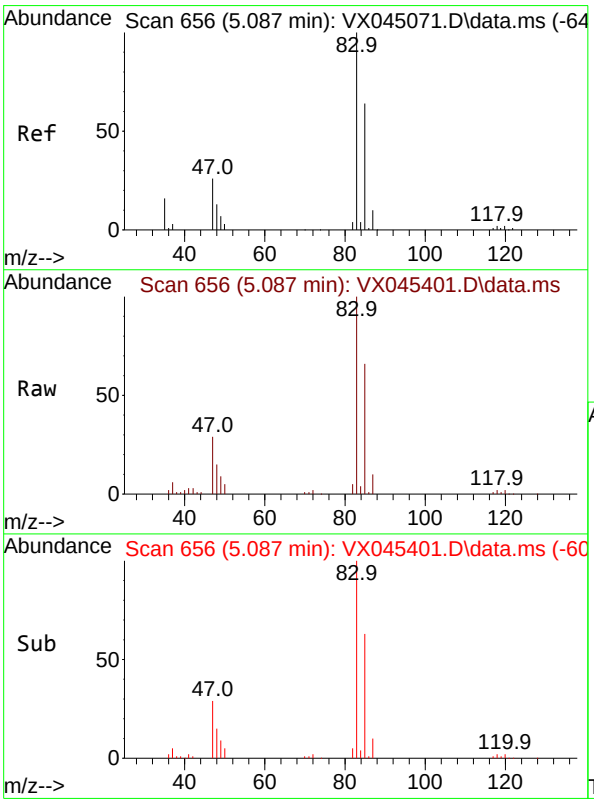
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.1	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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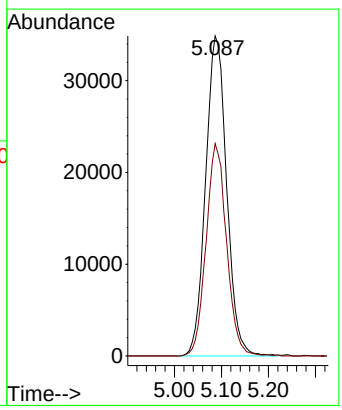
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

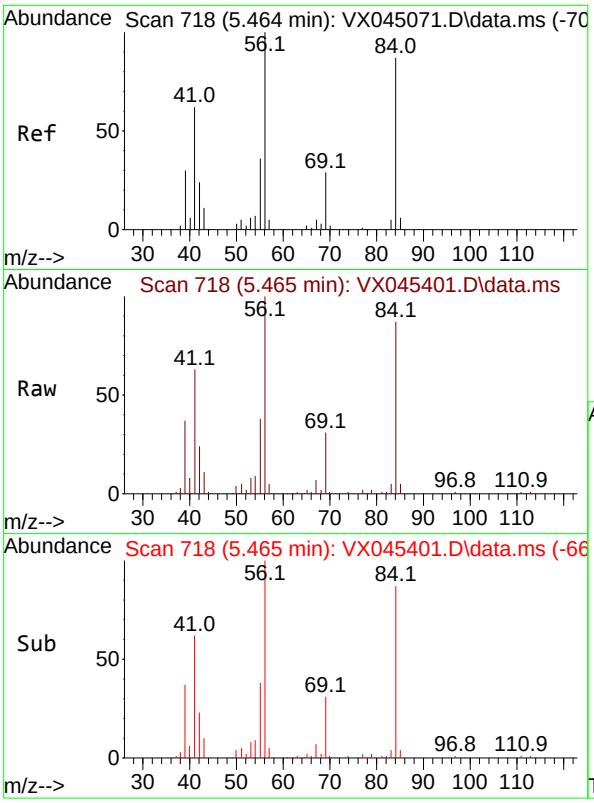


#30
Chloroform
Concen: 58.430 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 108341

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2

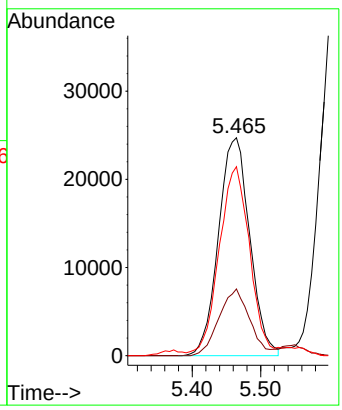




#31
Cyclohexane
Concen: 48.368 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 56 Resp: 7835

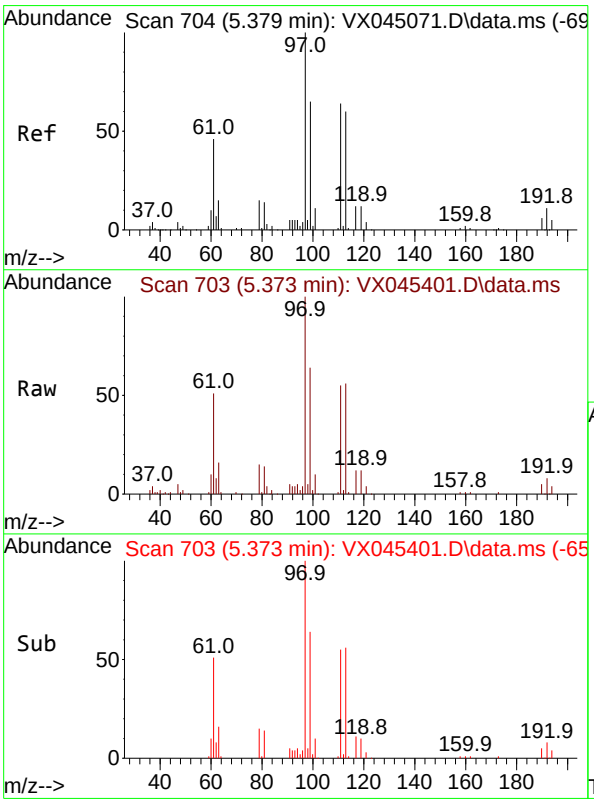
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.4	35.2
84	85.0	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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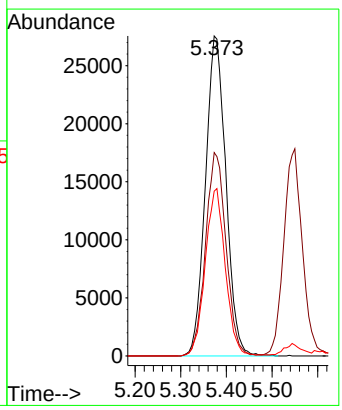
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

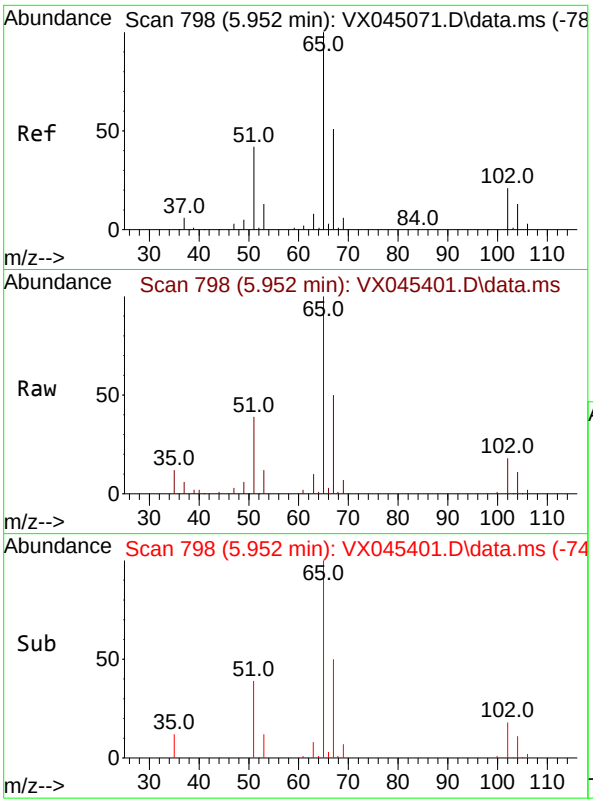


#32
1,1,1-Trichloroethane
Concen: 57.268 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 97 Resp: 85762

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	51.4	38.4	57.6

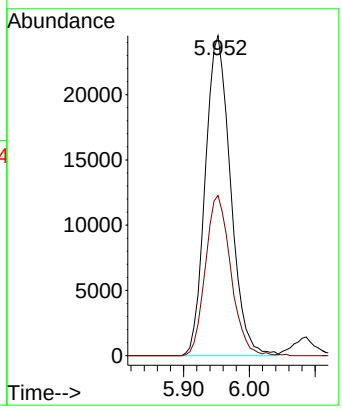




#33
1,2-Dichloroethane-d4
Concen: 54.980 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 65 Resp: 6546

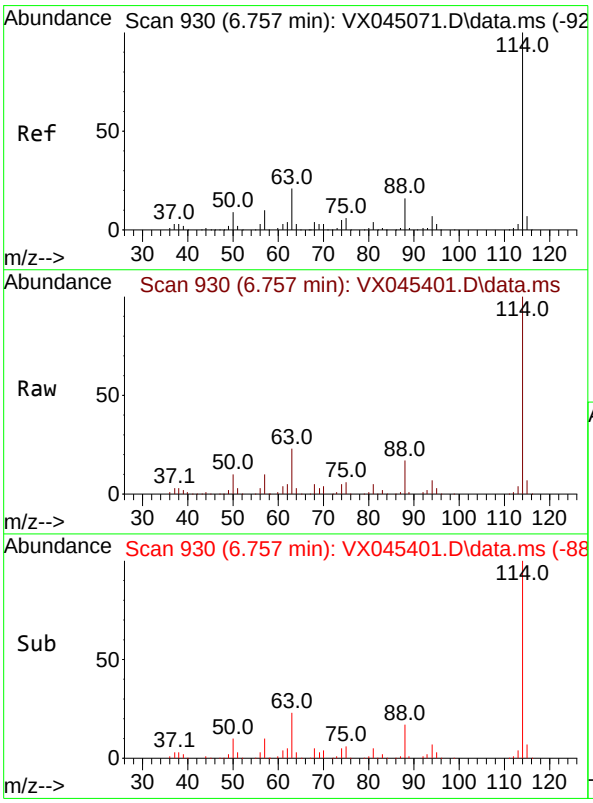
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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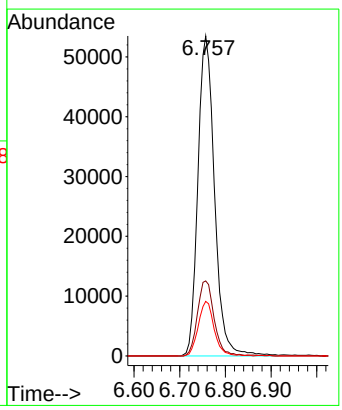
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

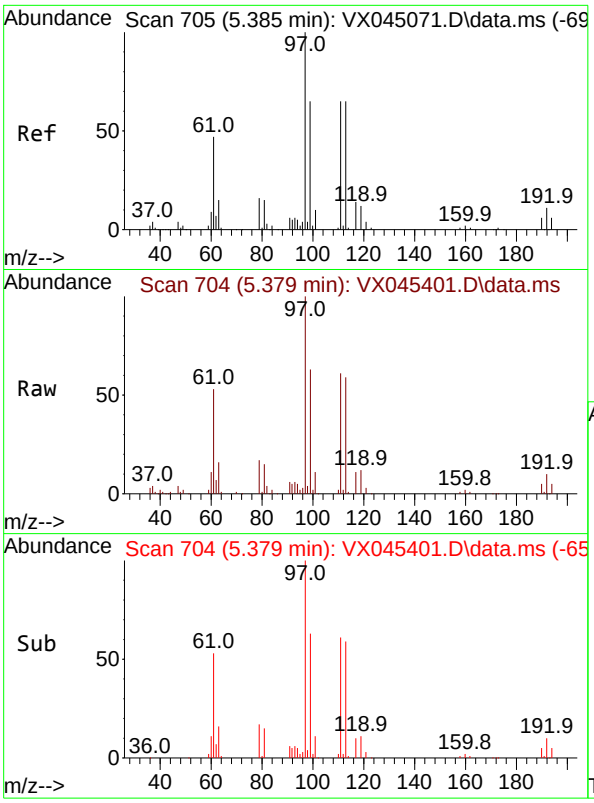


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:114 Resp: 134934

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	17.1	0.0	32.8

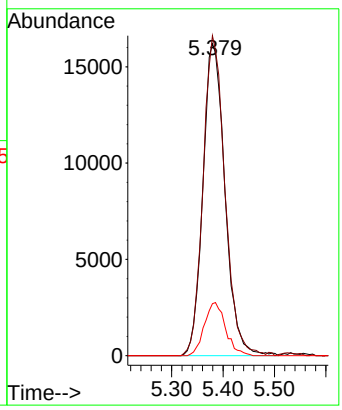




#35
Dibromofluoromethane
Concen: 53.497 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:113 Resp: 4826

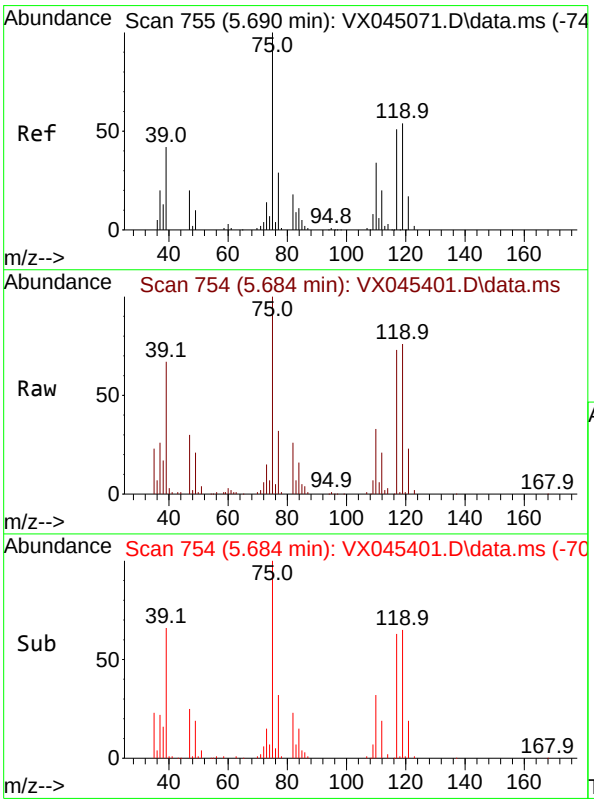
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

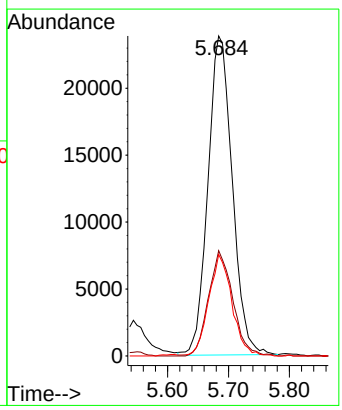
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

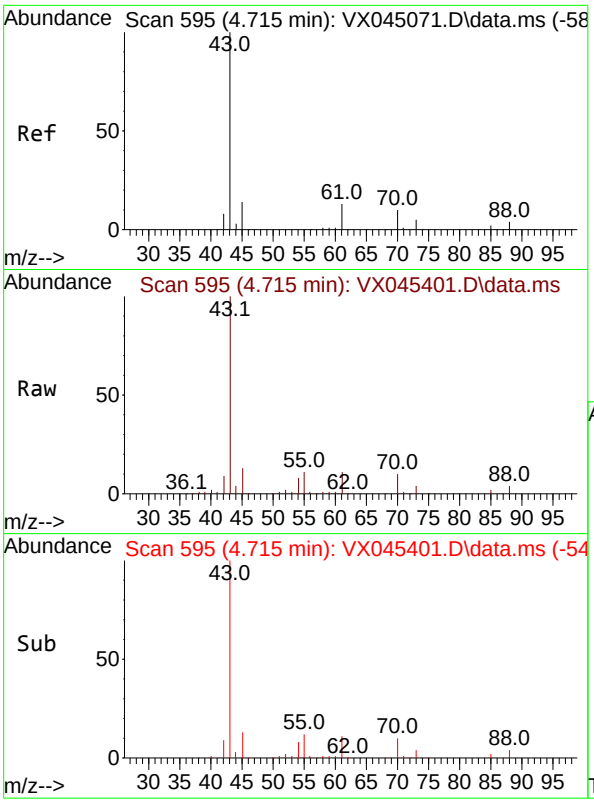


#36
1,1-Dichloropropene
Concen: 53.446 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 66133

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.4	24.5	36.7

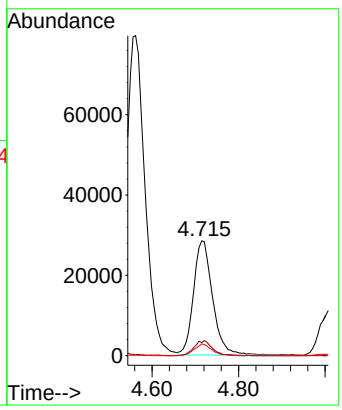




#37
Ethyl Acetate
Concen: 54.690 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 8719

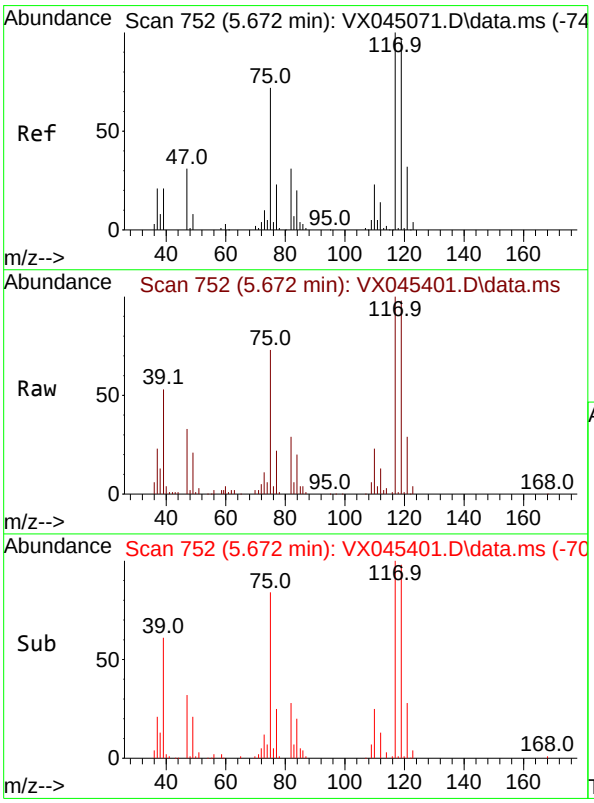
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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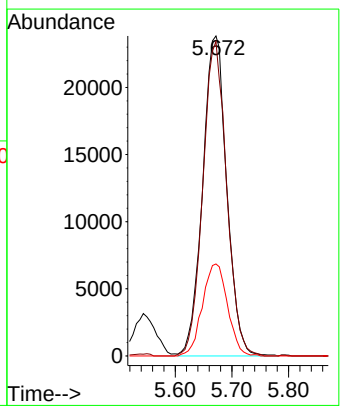
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

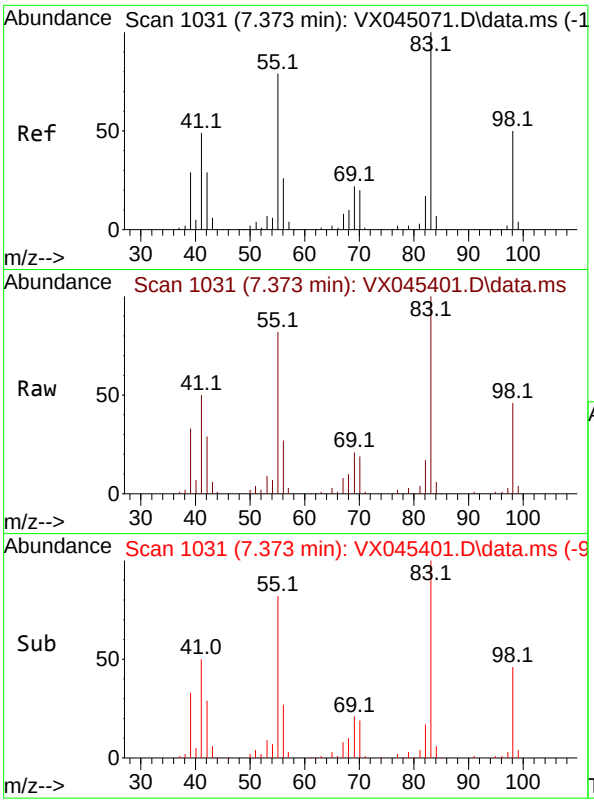


#38
Carbon Tetrachloride
Concen: 56.138 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 70522

Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.7	115.1
121	28.8	25.5	38.3

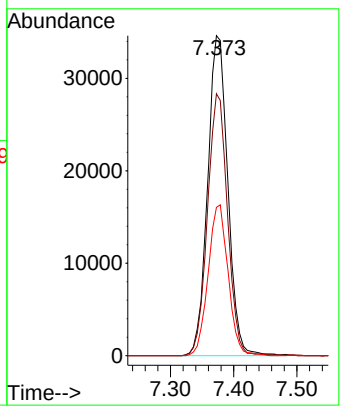




#39
Methylcyclohexane
Concen: 51.725 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 7669

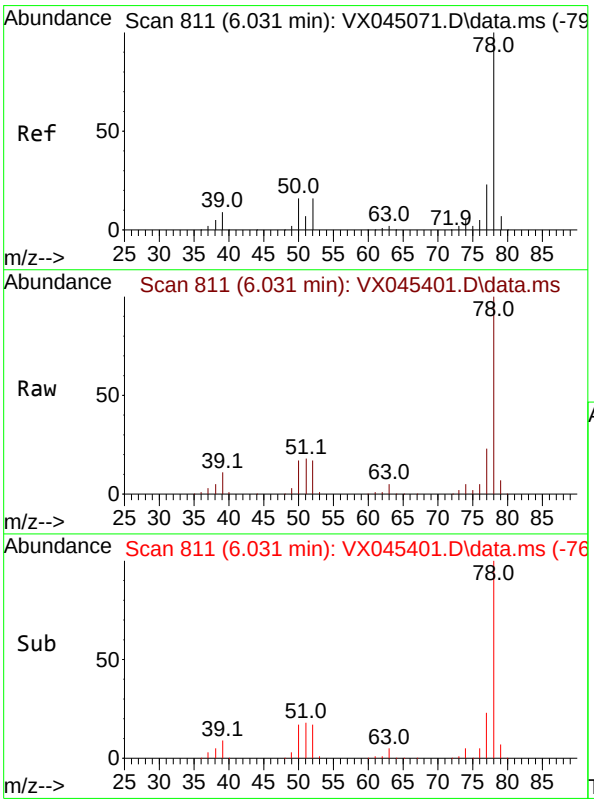
Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.0	94.4
98	46.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

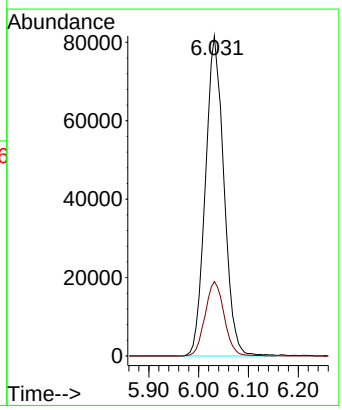
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

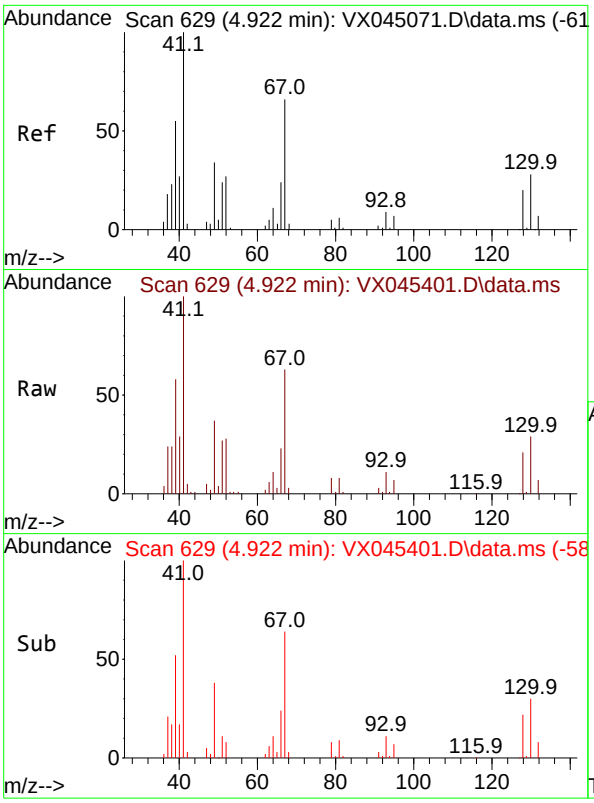


#40
Benzene
Concen: 53.866 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 78 Resp: 210474

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

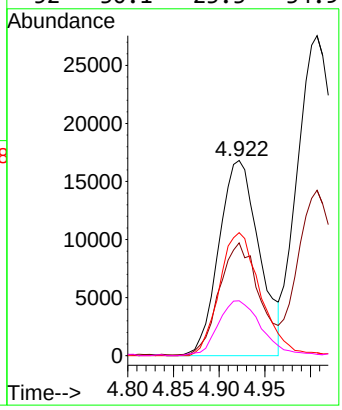




#41
Methacrylonitrile
Concen: 59.981 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 5171

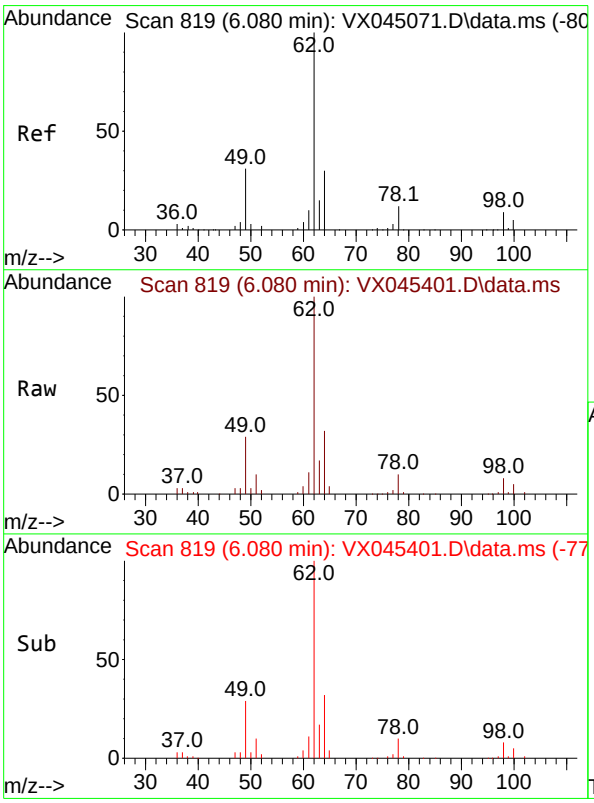
Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.6	67.0
67	64.4	53.9	80.9
52	30.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

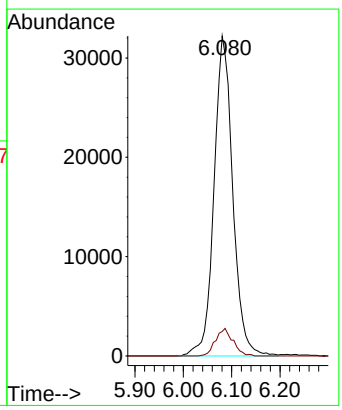
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

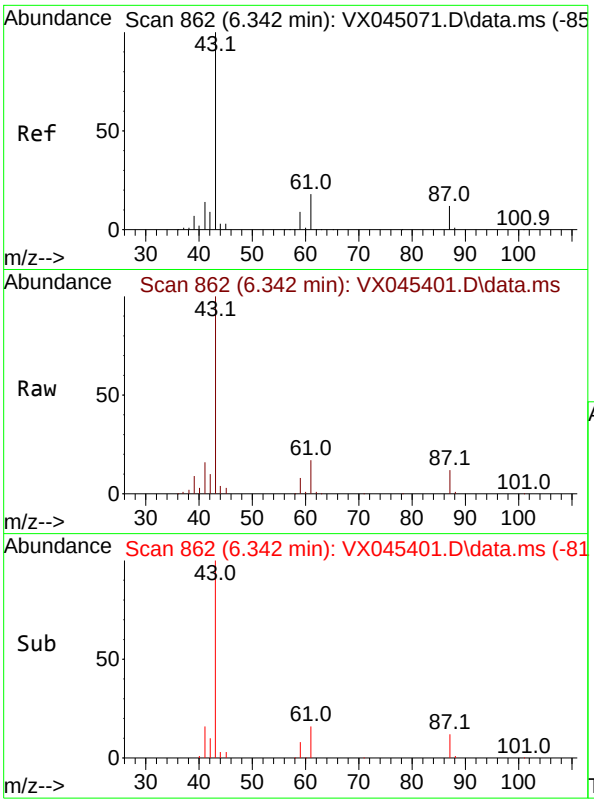


#42
1,2-Dichloroethane
Concen: 61.661 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 86759

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2





#43
Isopropyl Acetate
Concen: 57.582 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

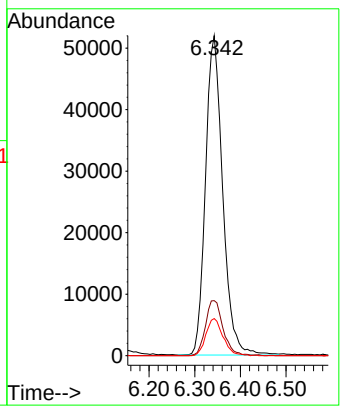
Tgt Ion: 43 Resp: 13576

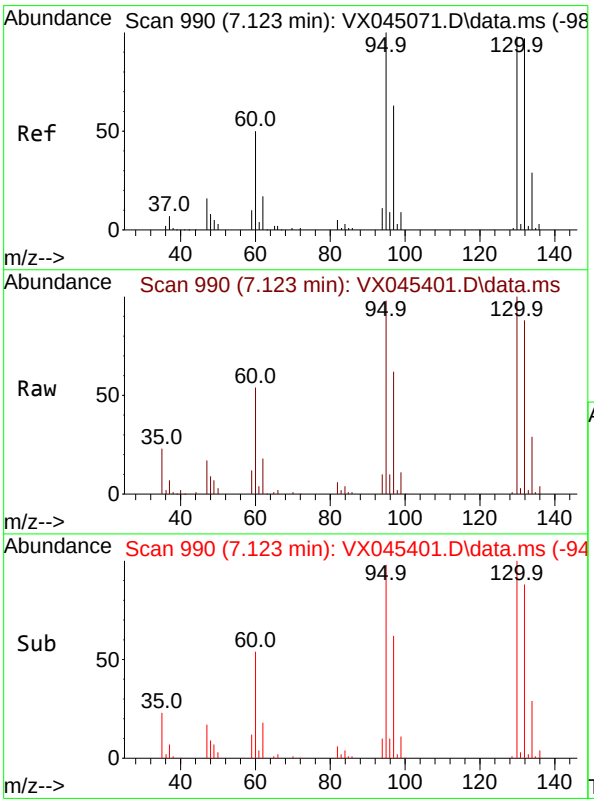
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

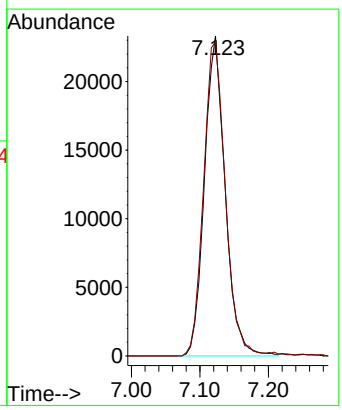


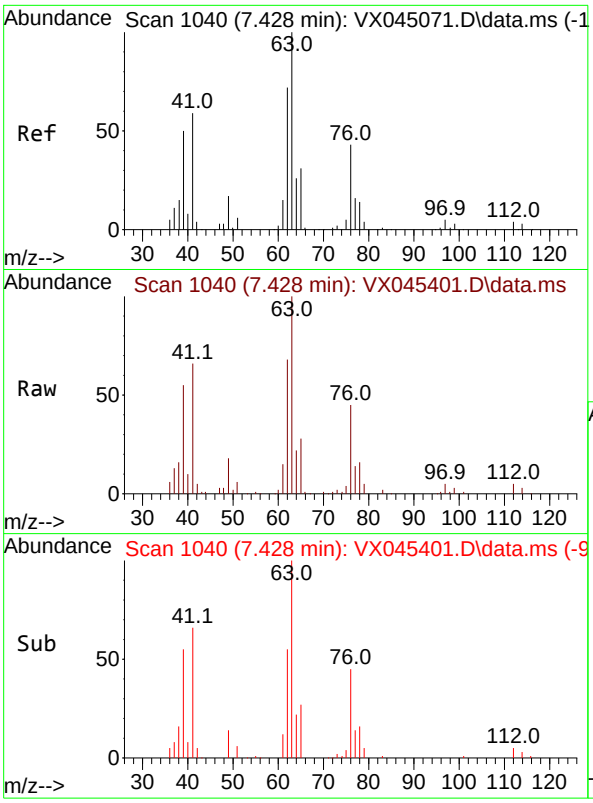


#44
Trichloroethene
Concen: 53.459 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:130 Resp: 49047

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	205.0

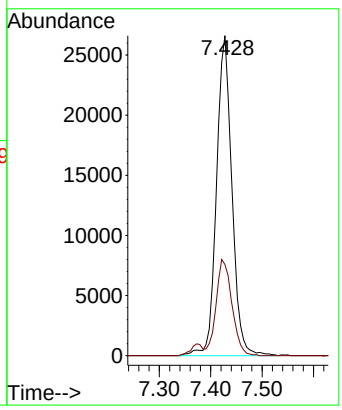




#45
1,2-Dichloropropane
Concen: 55.246 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 5550

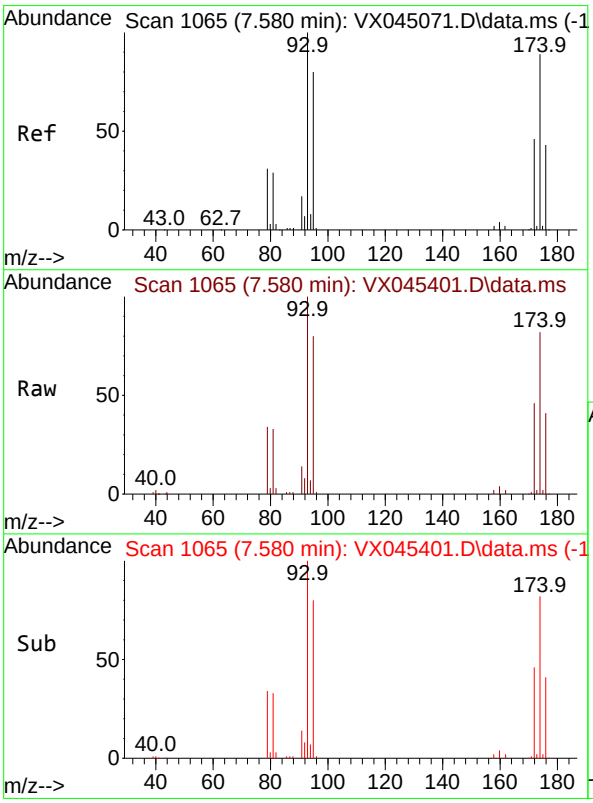
Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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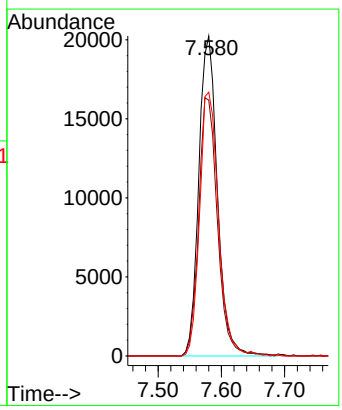
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

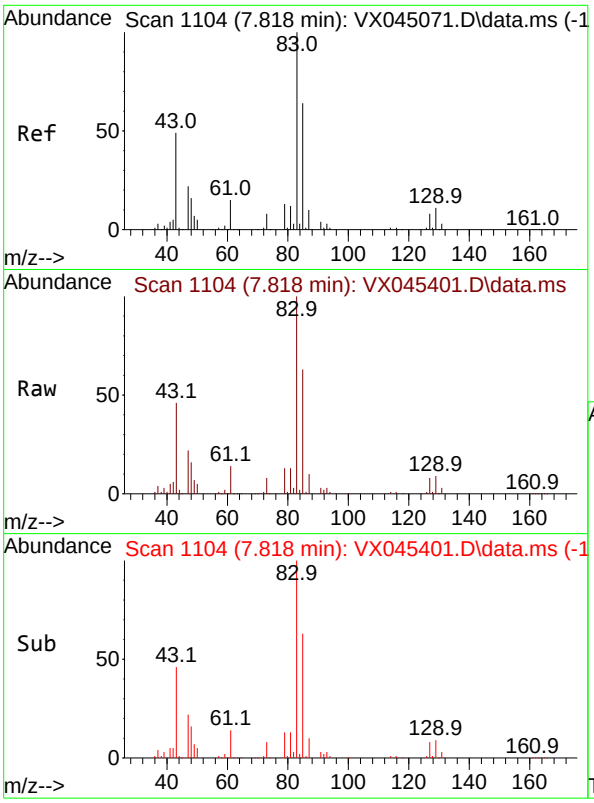


#46
Dibromomethane
Concen: 58.374 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 93 Resp: 41450

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.8
174	83.9	72.2	108.2

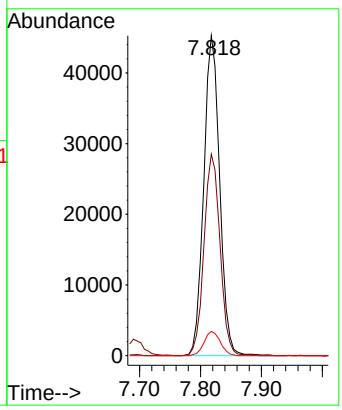




#47
Bromodichloromethane
Concen: 59.068 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 8226

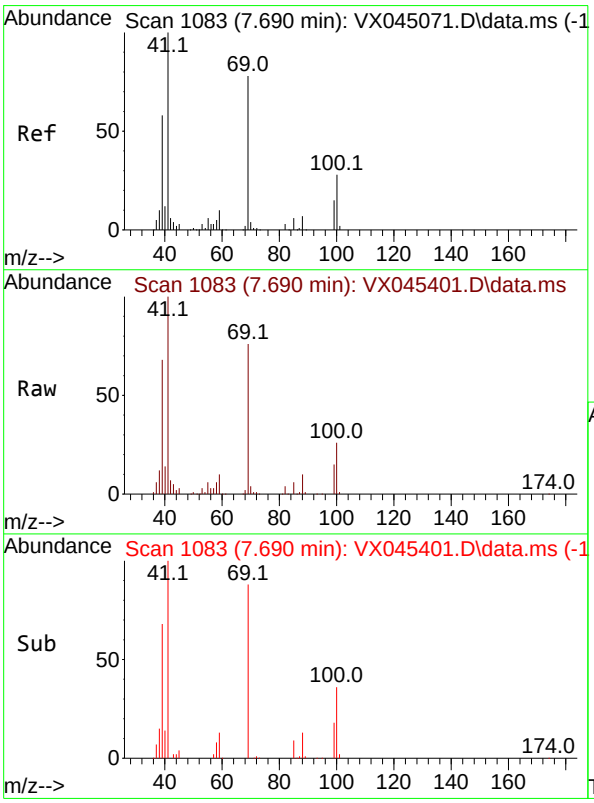
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.6	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

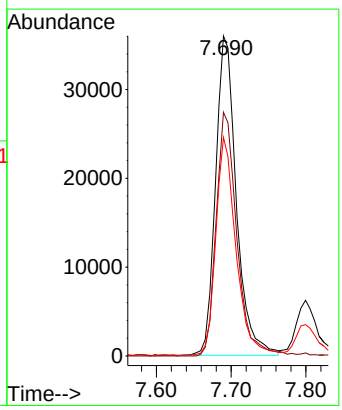
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

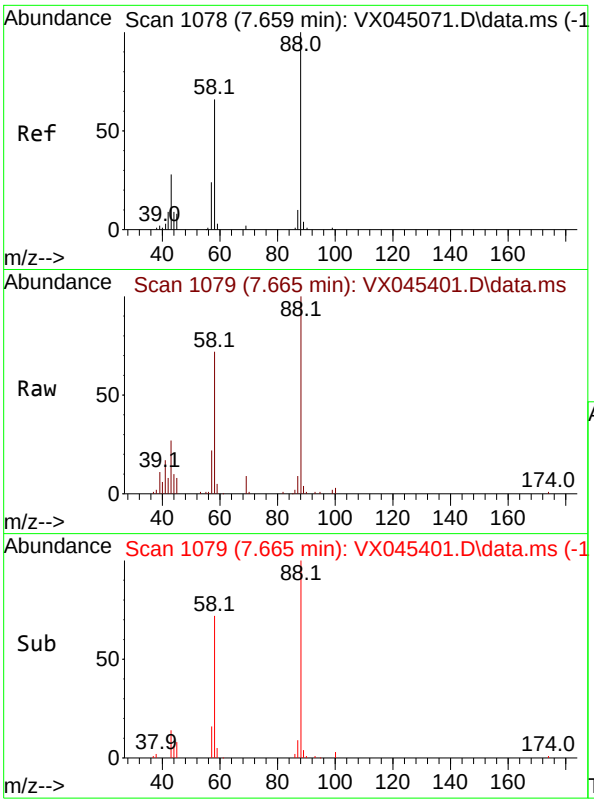


#48
Methyl methacrylate
Concen: 58.949 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 69727

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	67.2	47.5	71.3





#49
1,4-Dioxane
Concen: 985.741 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

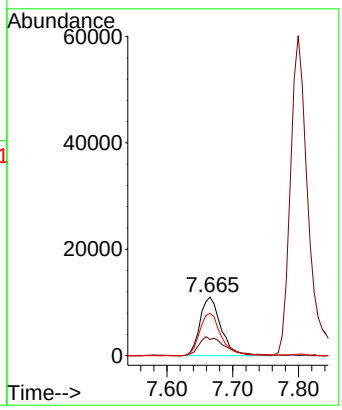
Tgt Ion: 88 Resp: 2459

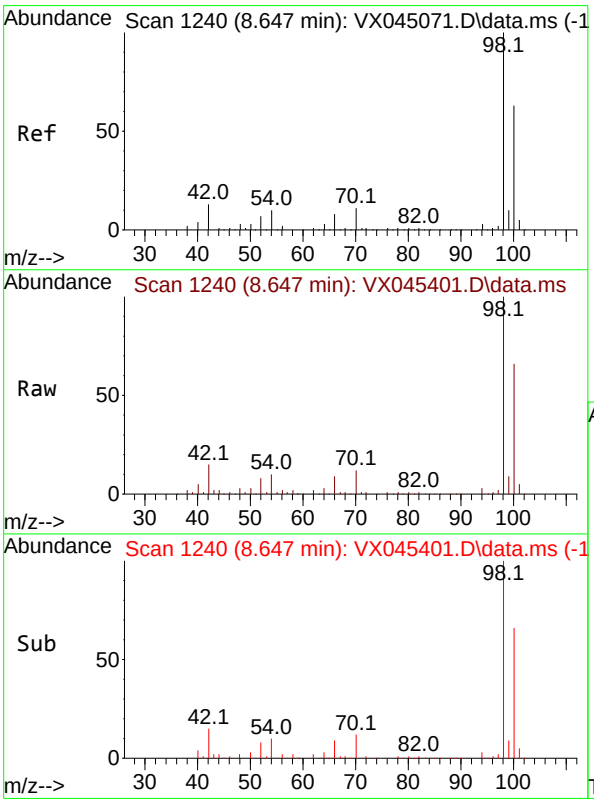
Ion	Ratio	Lower	Upper
88	100		
43	39.6	28.7	43.1
58	73.7	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

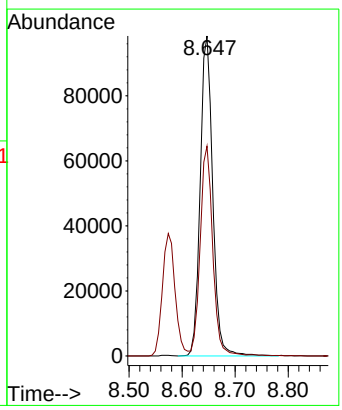


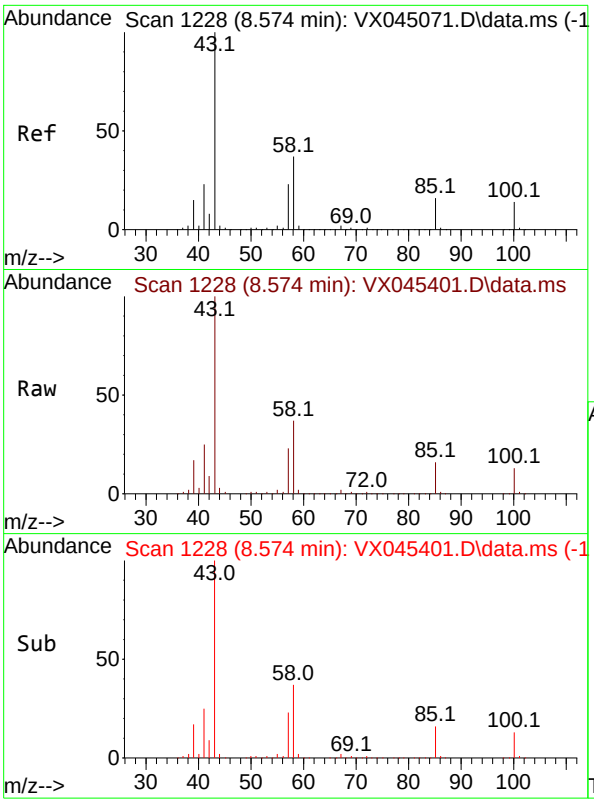


#50
Toluene-d8
Concen: 49.417 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 98 Resp: 161646

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

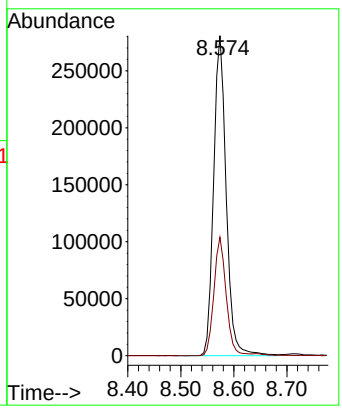




#51
4-Methyl-2-Pentanone
Concen: 292.590 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 46319

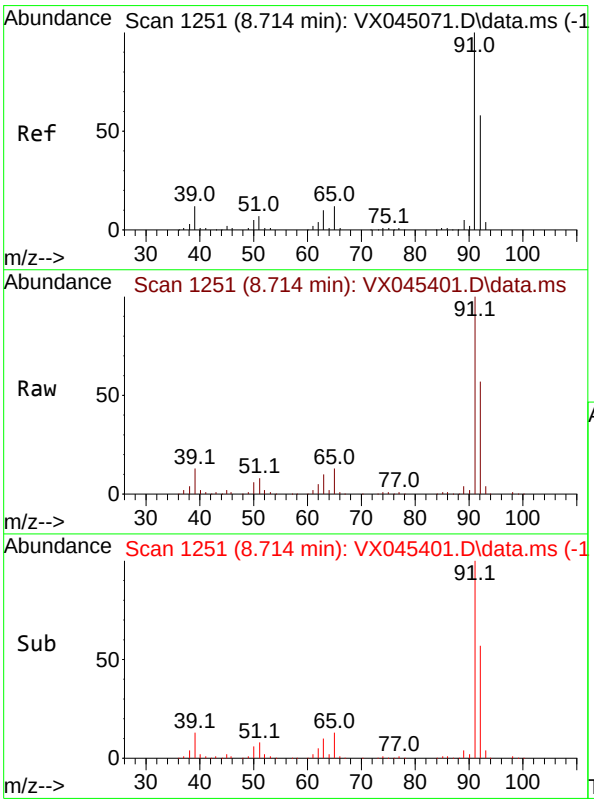
Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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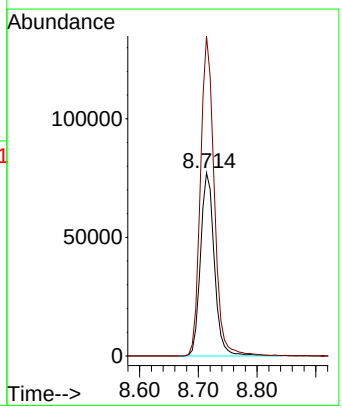
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

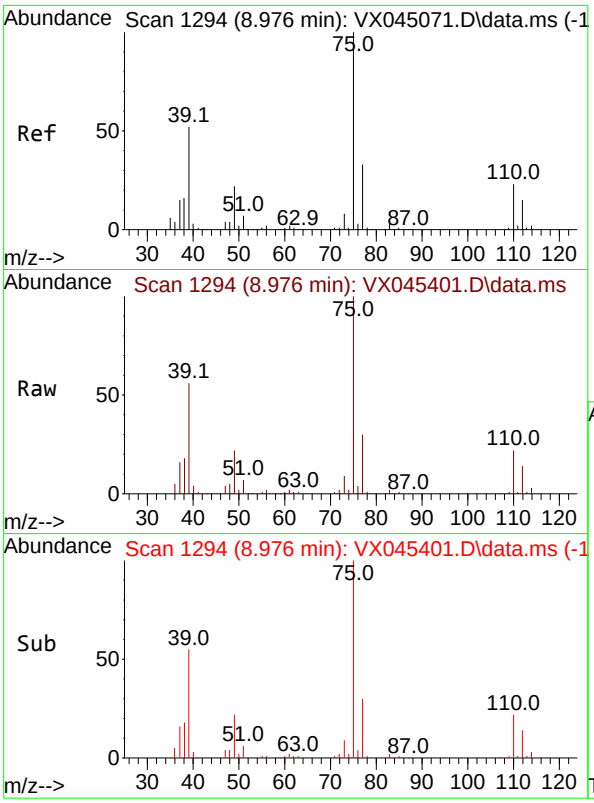


#52
Toluene
Concen: 55.048 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 92 Resp: 126198

Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.9	208.3

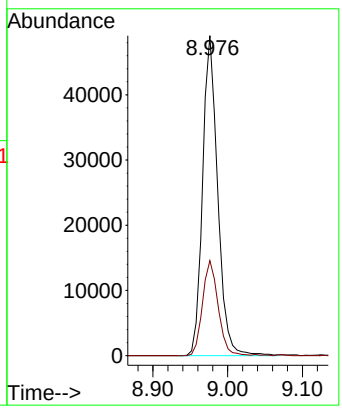




#53
t-1,3-Dichloropropene
Concen: 59.170 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 6889

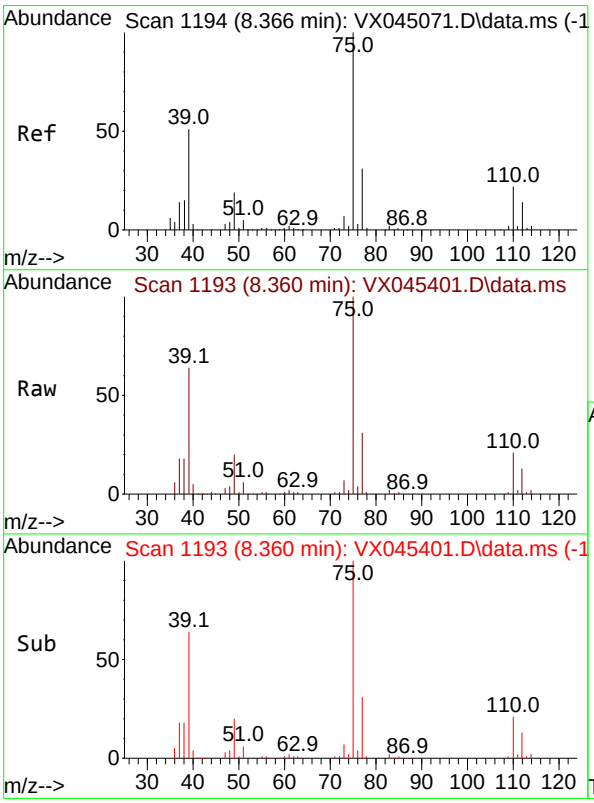
Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

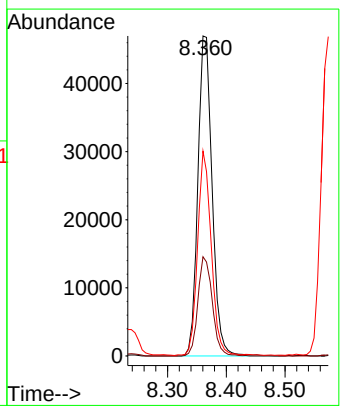
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

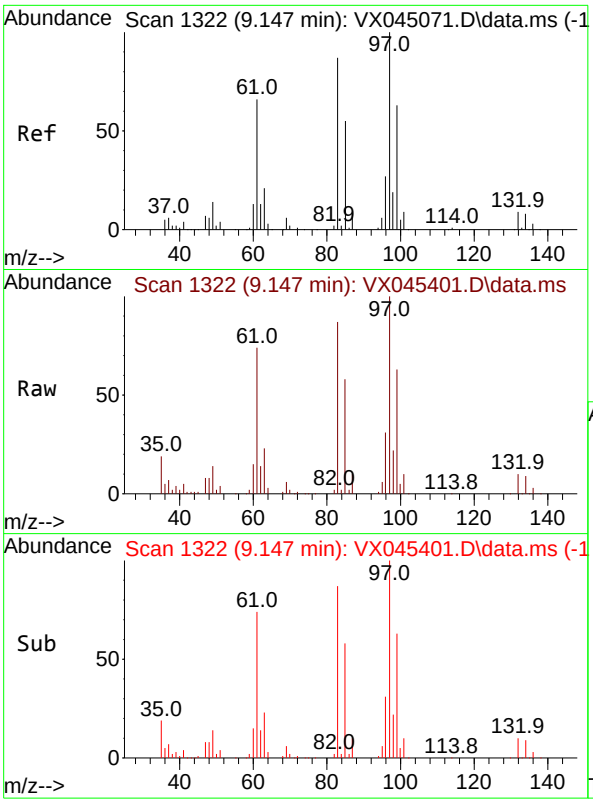


#54
cis-1,3-Dichloropropene
Concen: 58.304 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 79164

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	63.8	40.7	61.1#

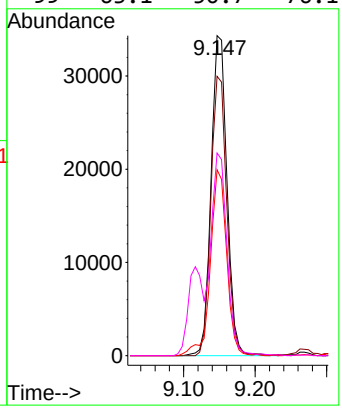




#55
1,1,2-Trichloroethane
Concen: 56.131 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 97 Resp: 5297

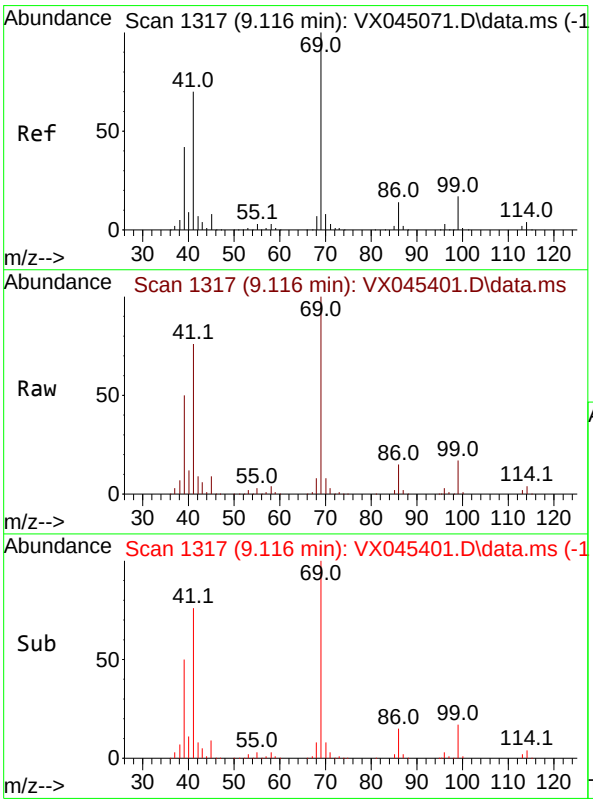
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	58.1	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

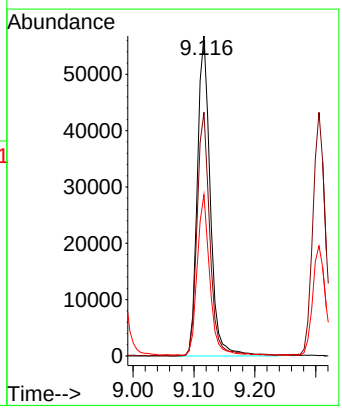
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

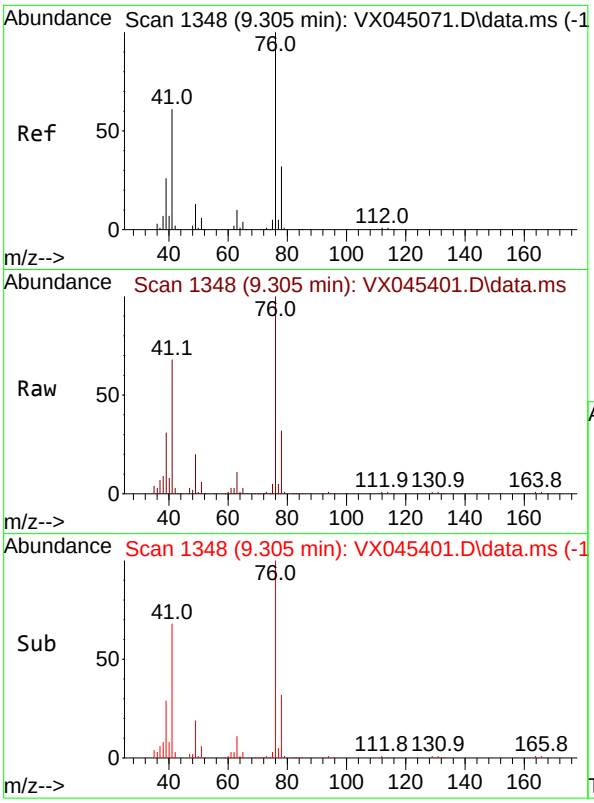


#56
Ethyl methacrylate
Concen: 58.321 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 69 Resp: 83667

Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.0	85.4
39	48.9	34.2	51.4

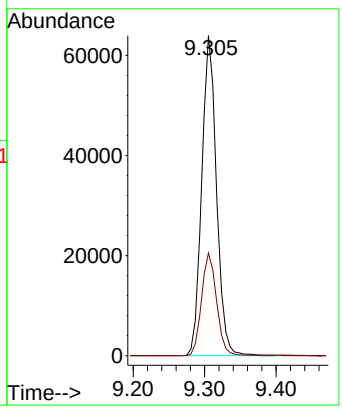




#57
1,3-Dichloropropane
Concen: 56.184 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 76 Resp: 9176

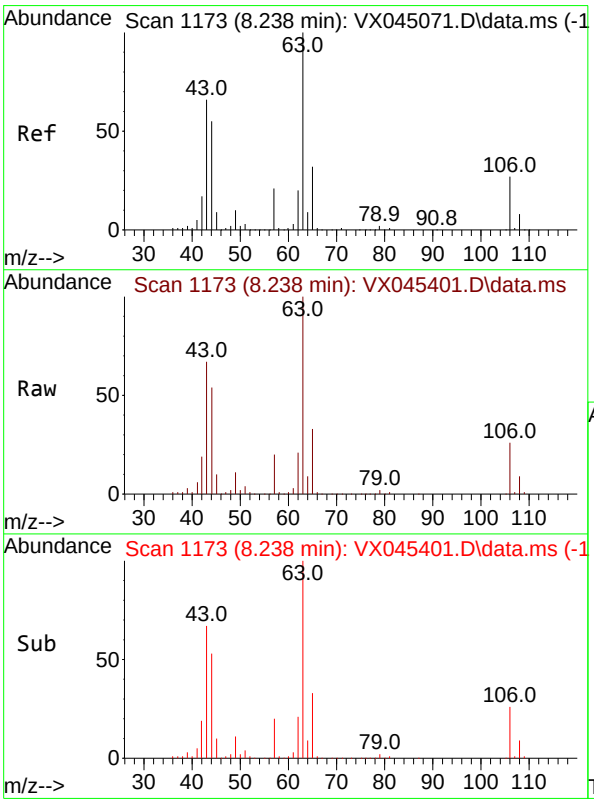
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

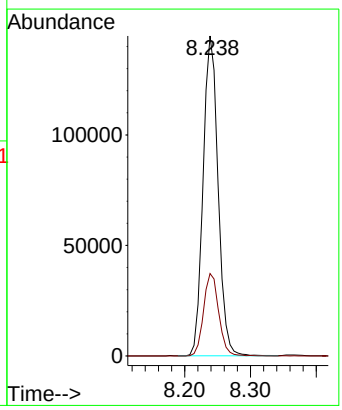
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

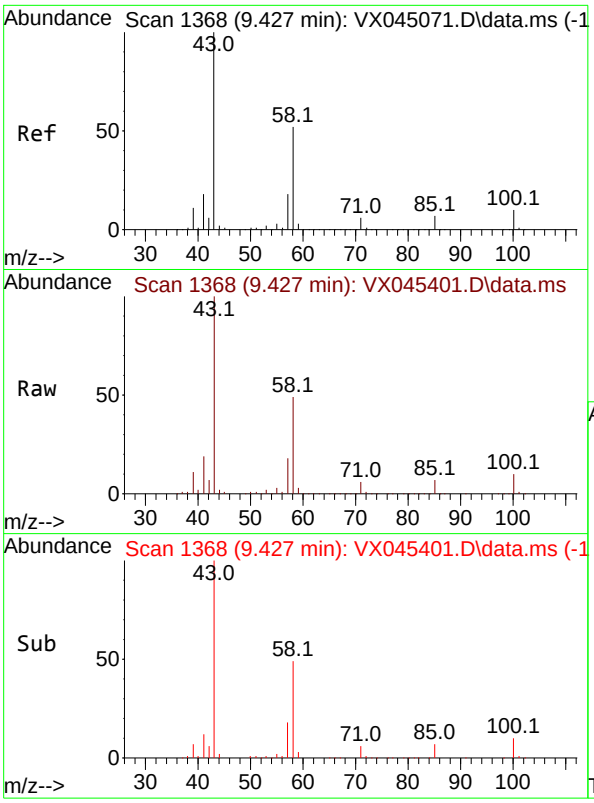


#58
2-Chloroethyl Vinyl ether
Concen: 327.394 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 229112

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

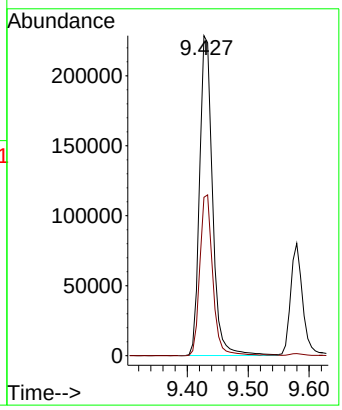




#59
2-Hexanone
Concen: 294.834 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 33817

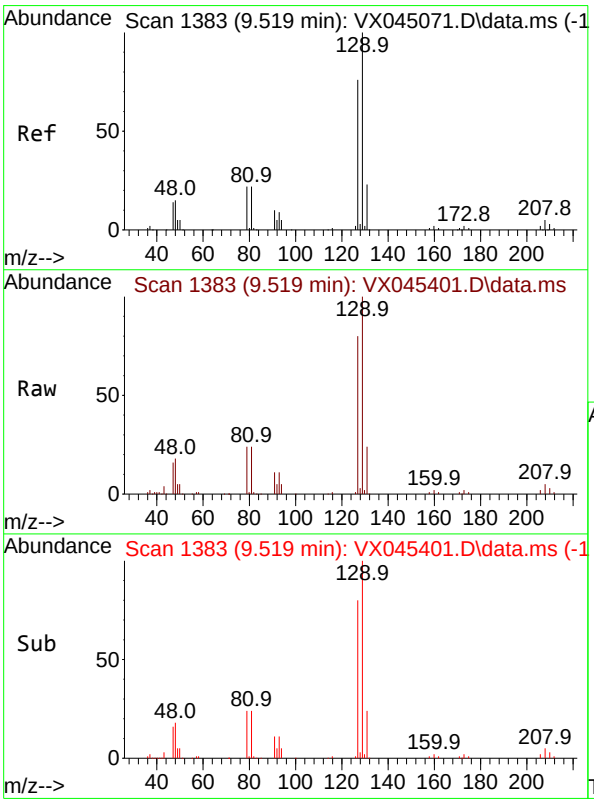
Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

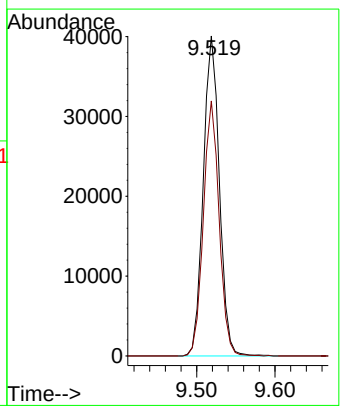
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

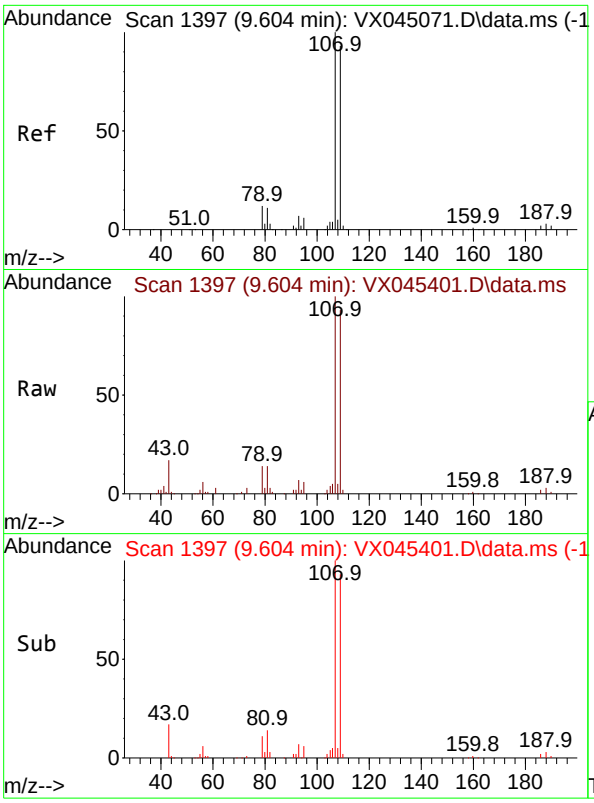


#60
Dibromochloromethane
Concen: 57.765 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:129 Resp: 57002

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5

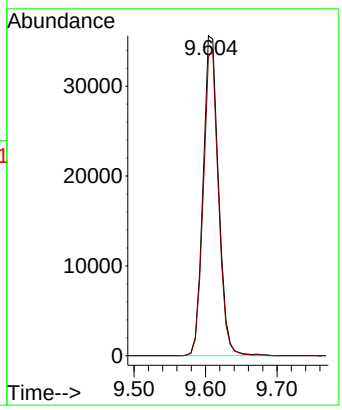




#61
1,2-Dibromoethane
Concen: 56.890 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:107 Resp: 5360

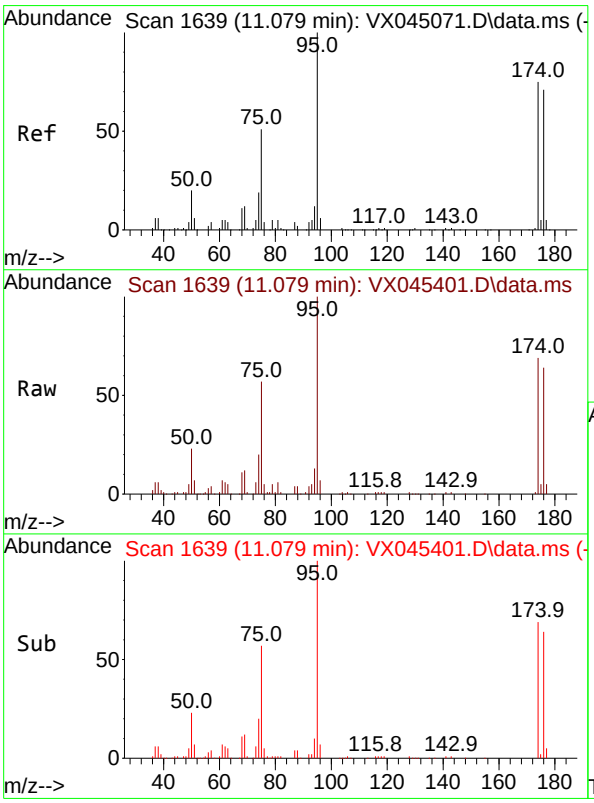
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

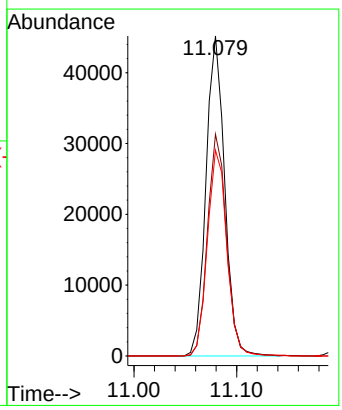
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

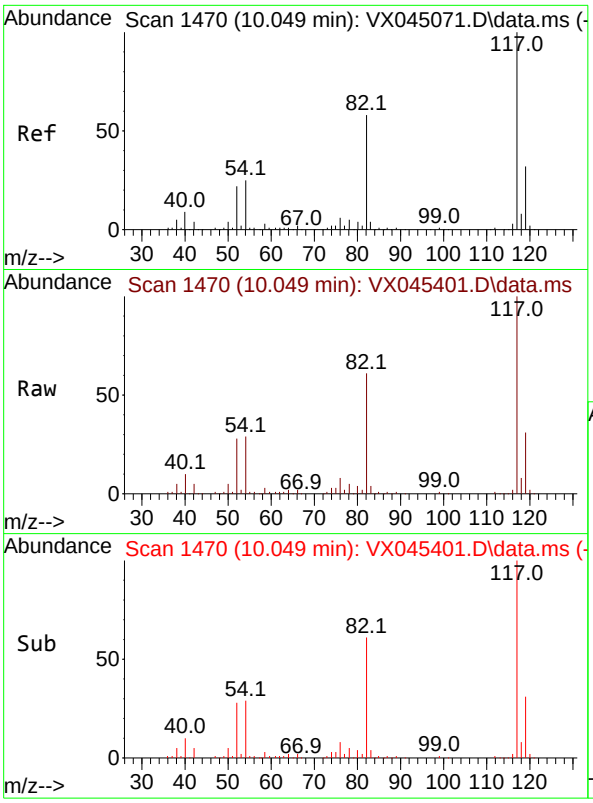


#62
4-Bromofluorobenzene
Concen: 52.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 95 Resp: 56960

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	148.2
176	66.9	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

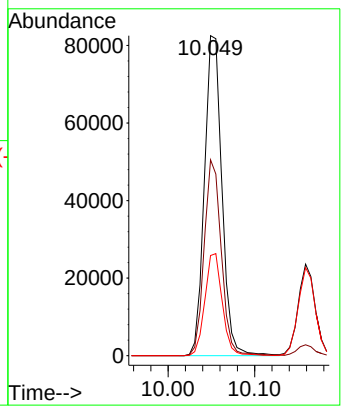
Tgt Ion:117 Resp: 11597

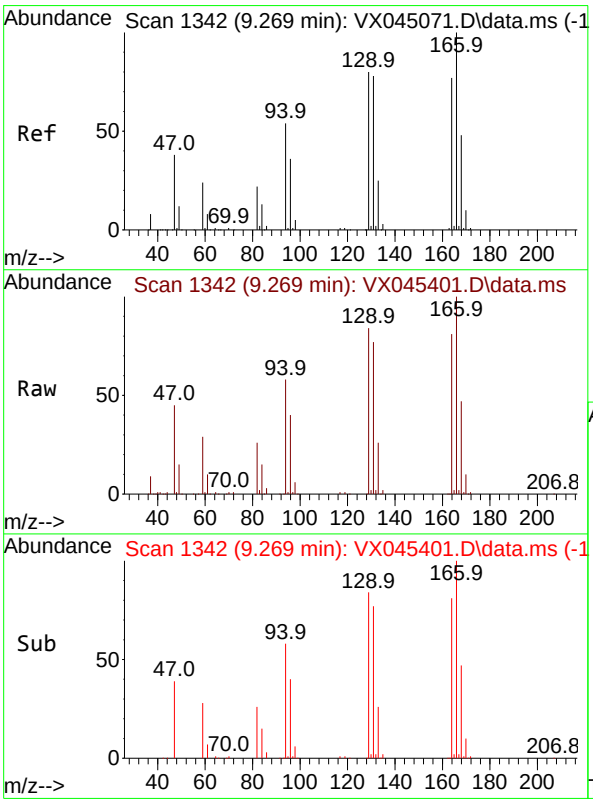
Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	31.3	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

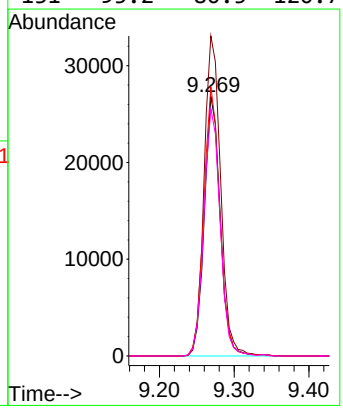


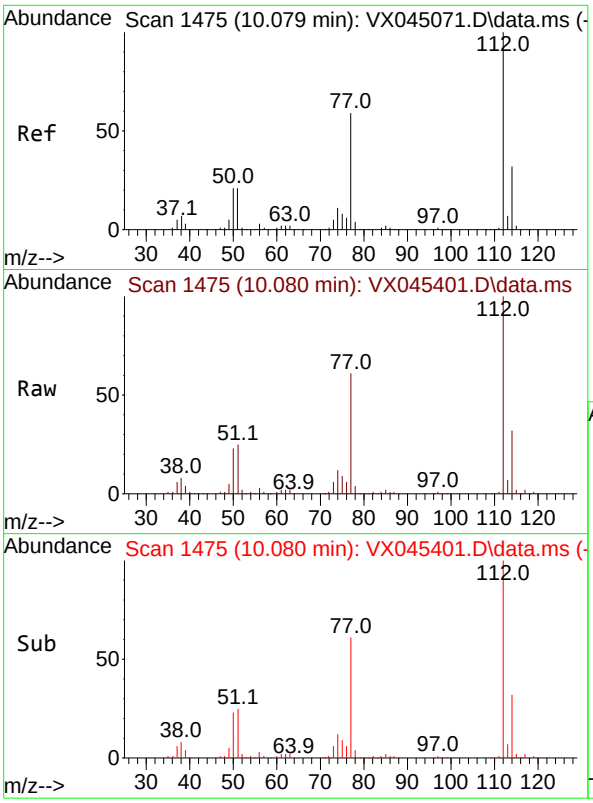


#64
Tetrachloroethene
Concen: 53.474 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:164 Resp: 39719

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.6	155.4
129	103.8	82.7	124.1
131	95.2	80.5	120.7

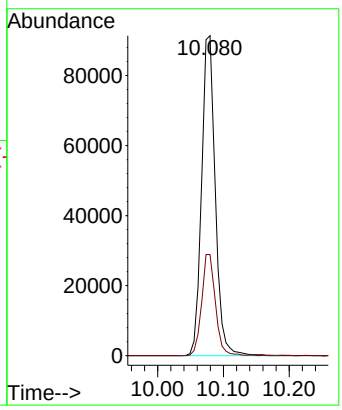




#65
Chlorobenzene
Concen: 53.968 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:112 Resp: 13243

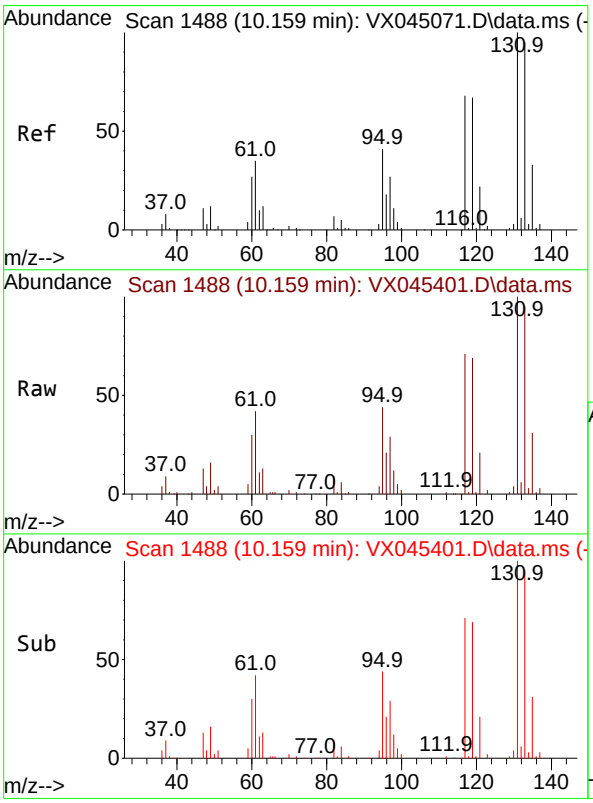
Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

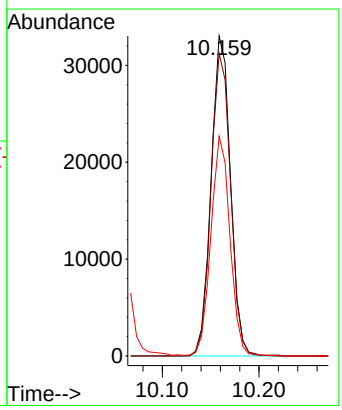
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

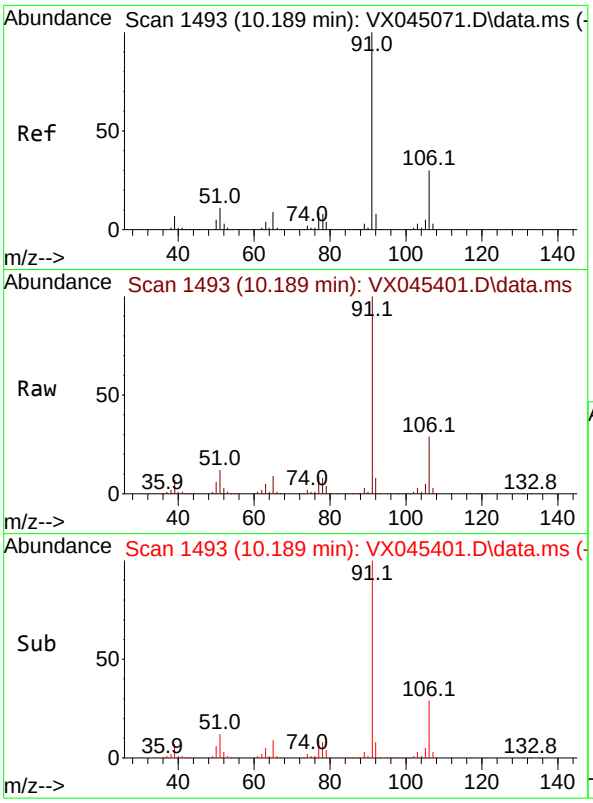


#66
1,1,1,2-Tetrachloroethane
Concen: 56.016 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:131 Resp: 45778

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	67.9	33.9	101.7

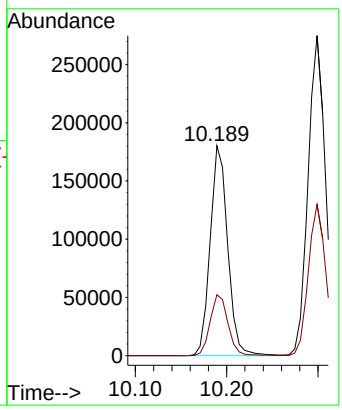




#67
Ethyl Benzene
Concen: 56.012 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 23950

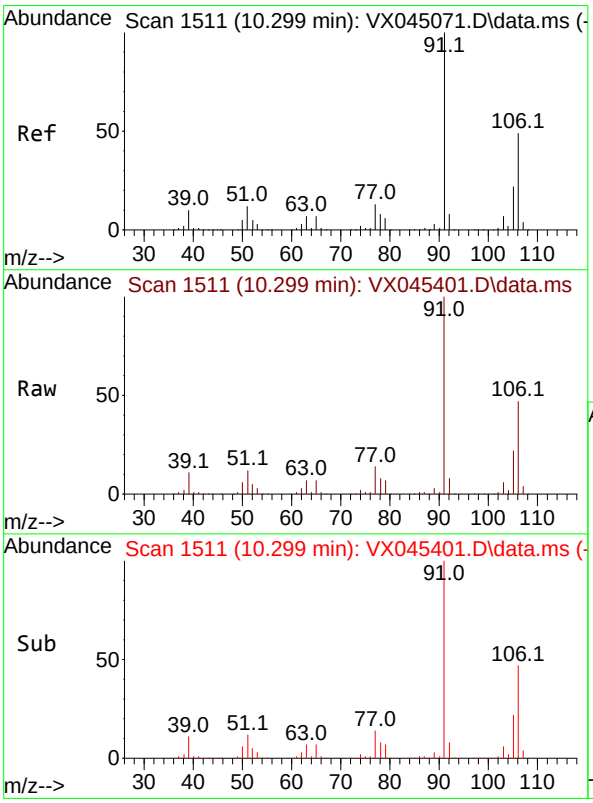
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

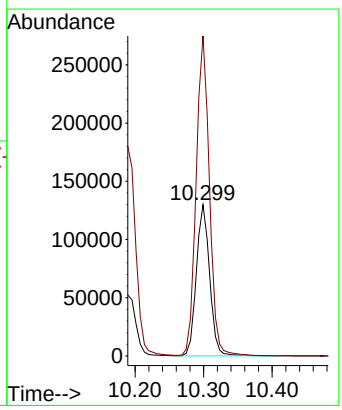
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

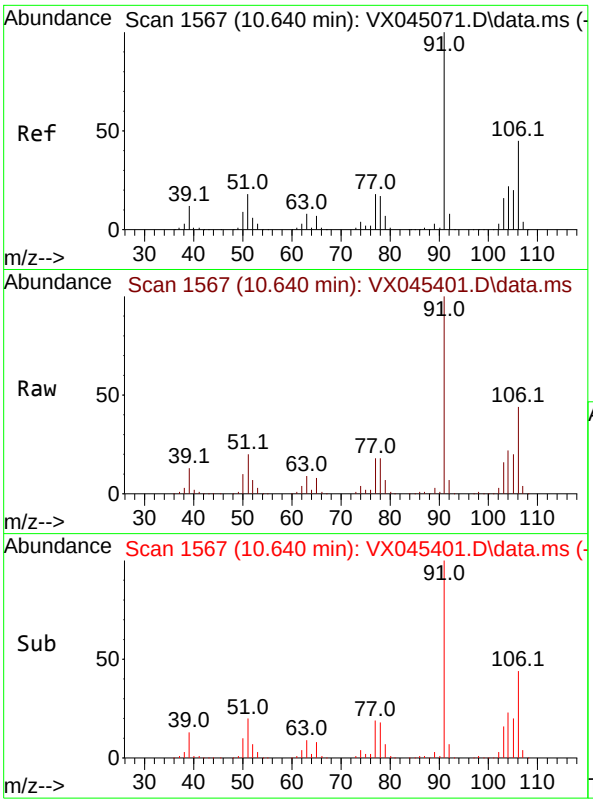


#68
m/p-Xylenes
Concen: 111.853 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:106 Resp: 175085

Ion	Ratio	Lower	Upper
106	100		
91	212.3	165.4	248.0

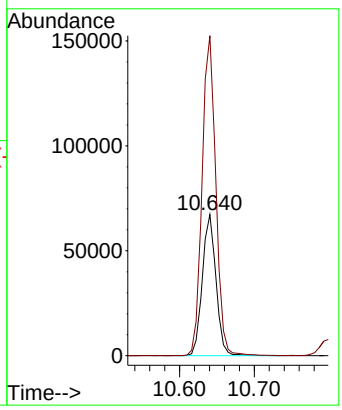




#69
o-Xylene
Concen: 54.016 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:106 Resp: 8527

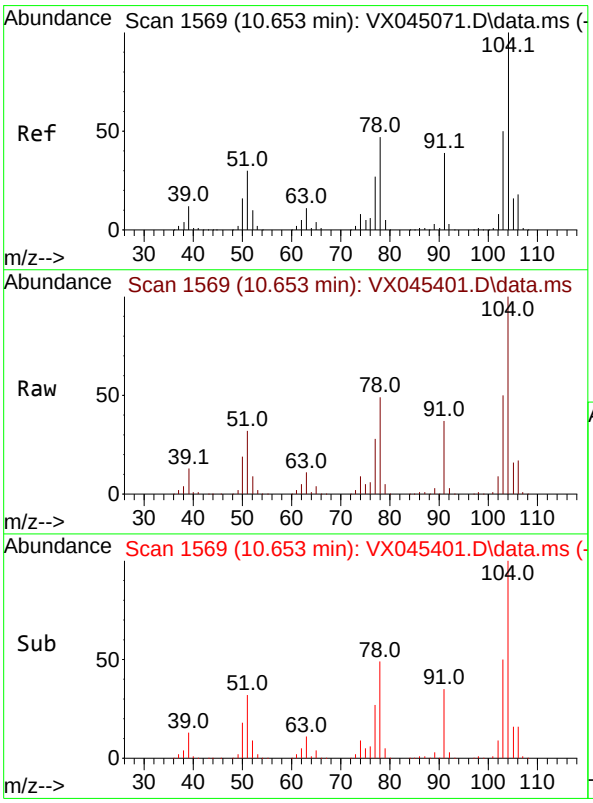
Ion	Ratio	Lower	Upper
106	100		
91	228.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

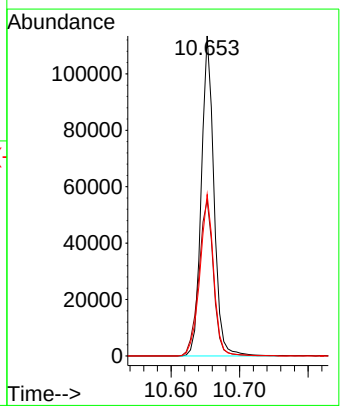
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

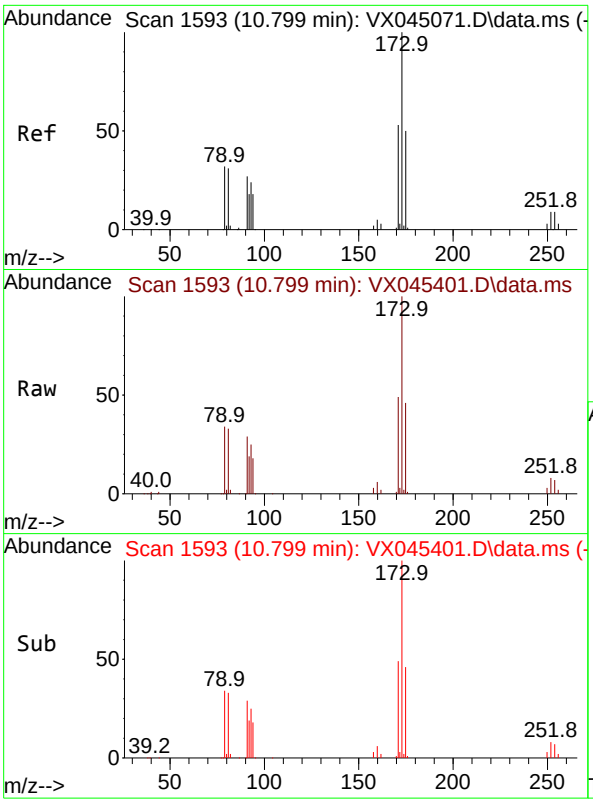


#70
Styrene
Concen: 57.041 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:104 Resp: 145711

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.4
103	55.2	43.8	65.8

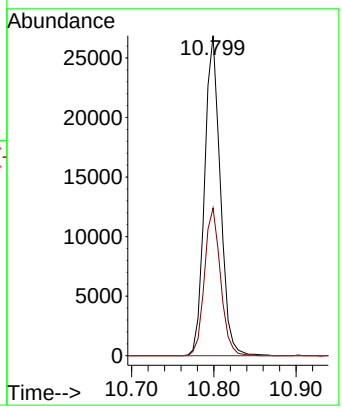




#71
Bromoform
Concen: 57.963 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:173 Resp: 3572

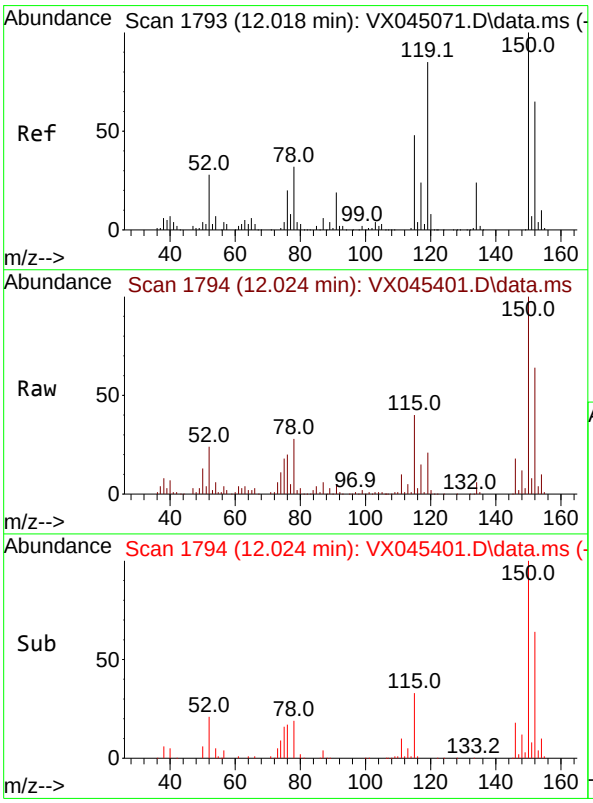
Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

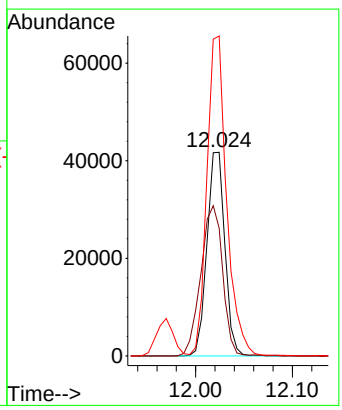
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

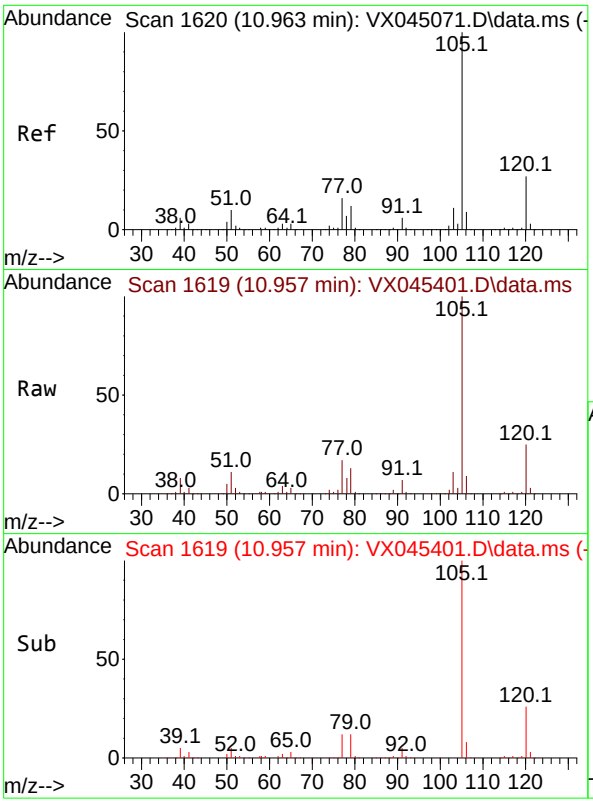


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:152 Resp: 53641

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.0	0.0	349.0





#73
Isopropylbenzene
Concen: 54.369 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

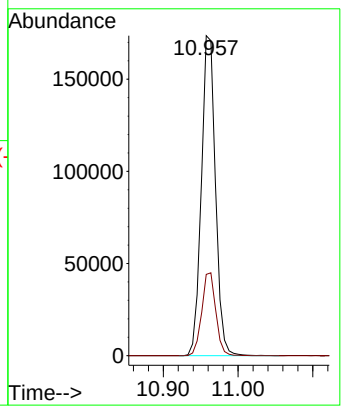
Tgt Ion:105 Resp: 22763

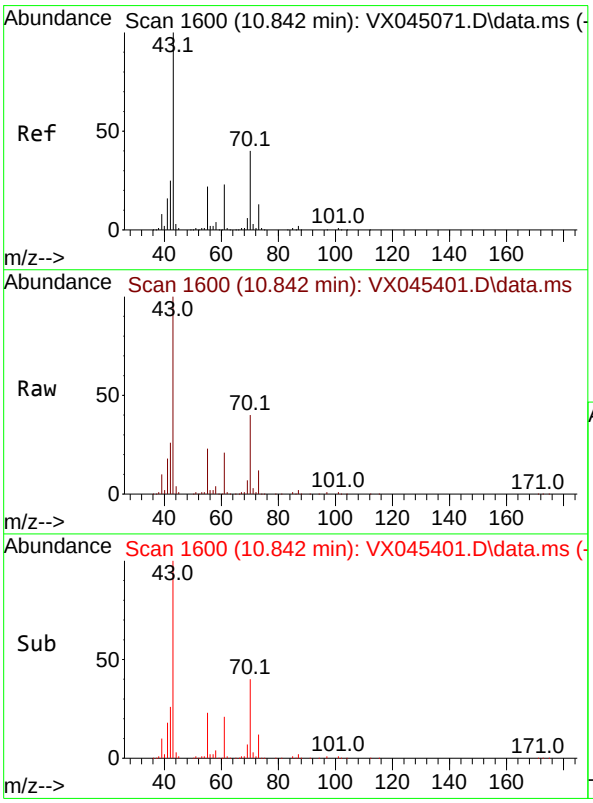
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

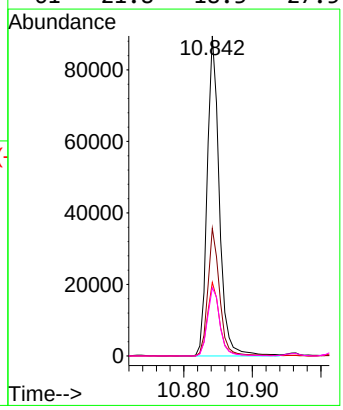


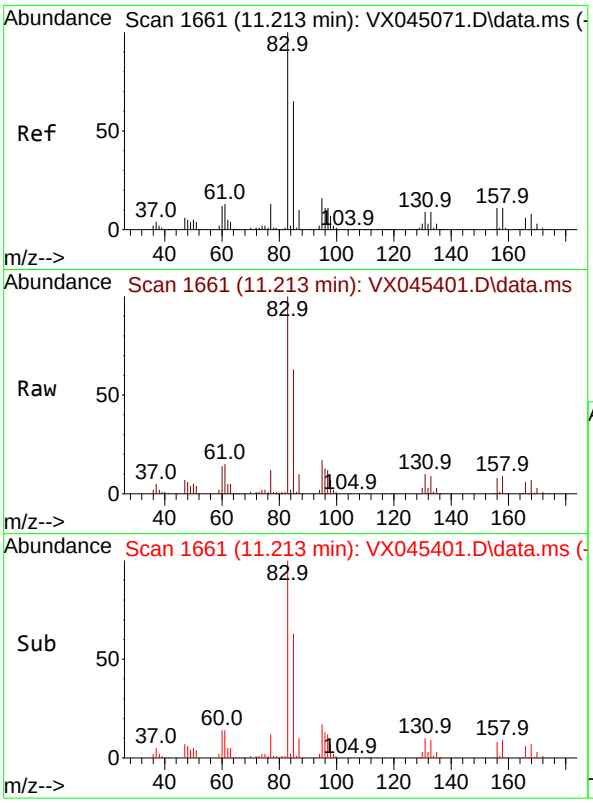


#74
N-amyl acetate
Concen: 56.217 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 110444

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.8	47.6
55	23.2	18.3	27.5
61	21.8	18.3	27.5

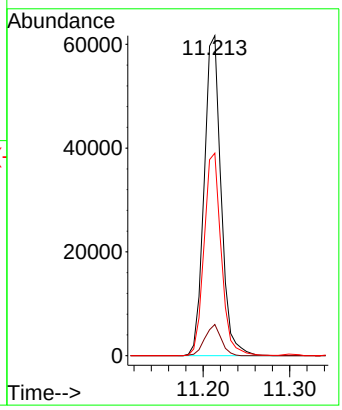




#75
1,1,2,2-Tetrachloroethane
Concen: 54.359 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 8351

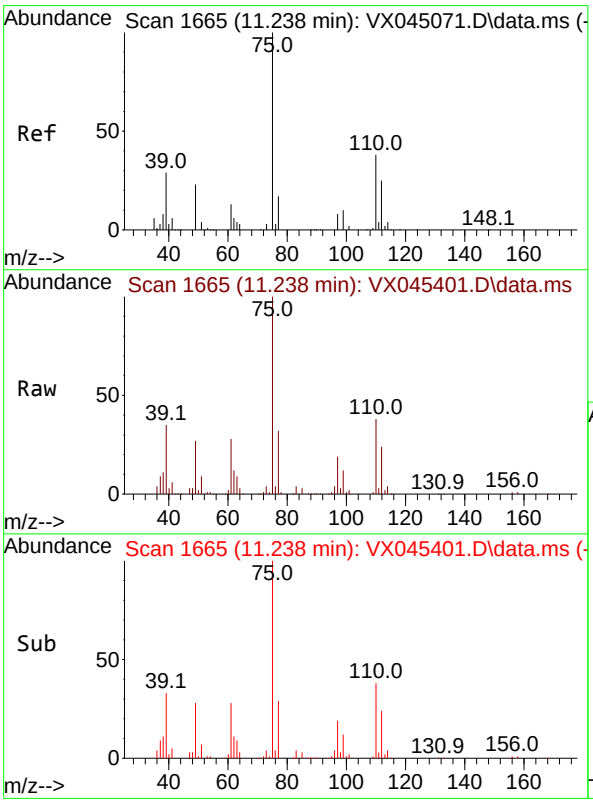
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	64.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

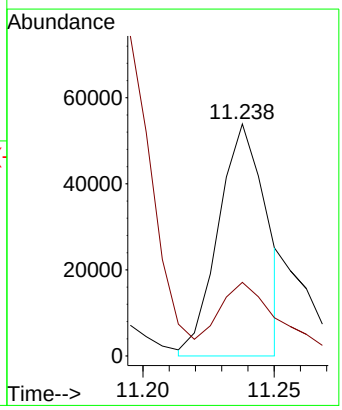
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

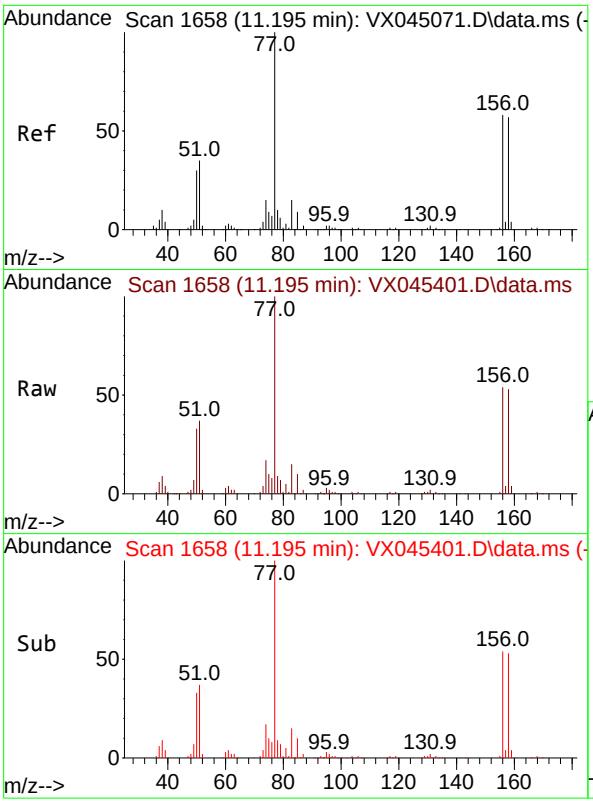


#76
1,2,3-Trichloropropane
Concen: 54.751 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 68356

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

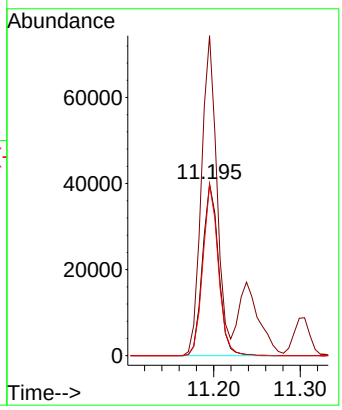




#77
Bromobenzene
Concen: 51.964 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:156 Resp: 5133

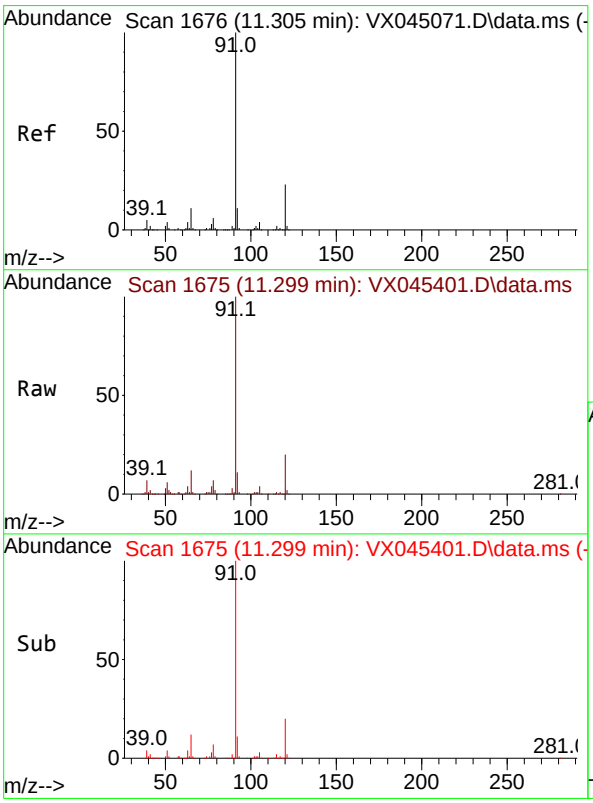
Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	96.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

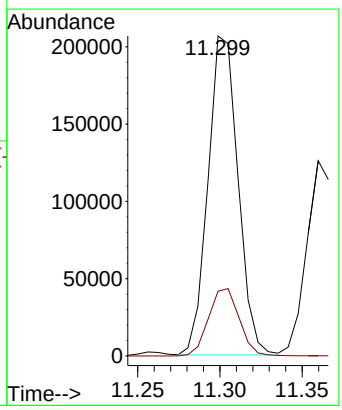
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

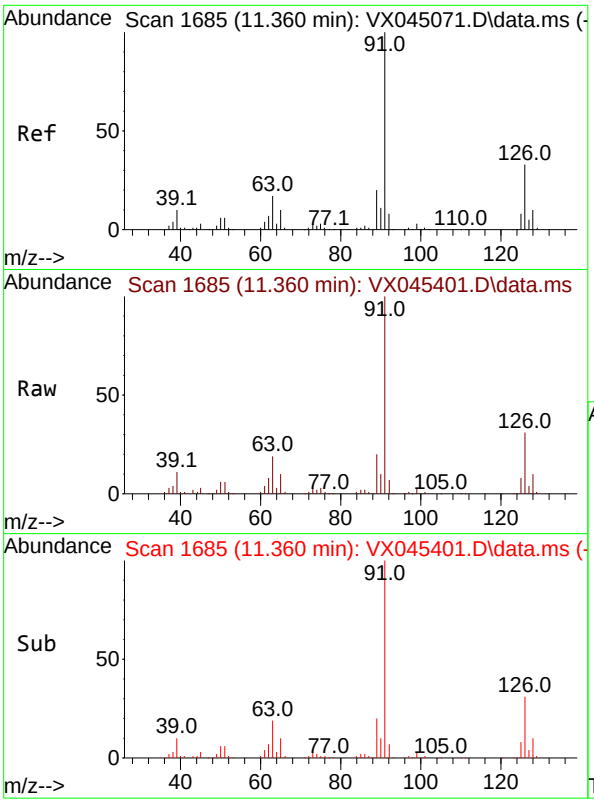


#78
n-propylbenzene
Concen: 55.477 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 262384

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

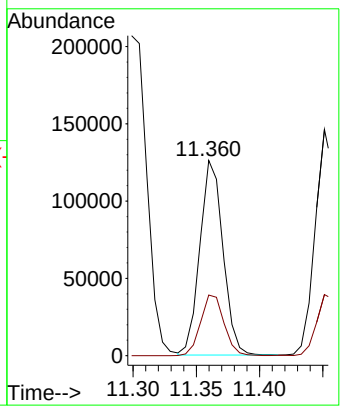




#79
2-Chlorotoluene
Concen: 53.282 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 16049

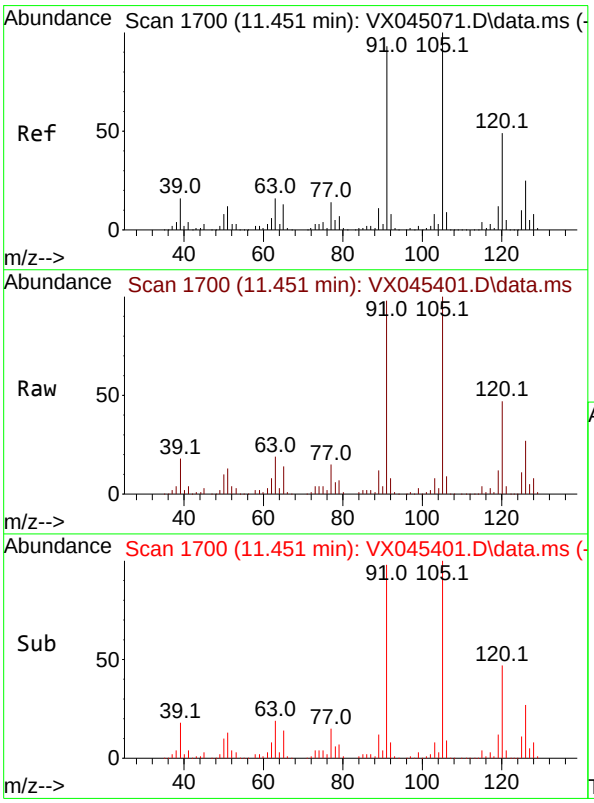
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

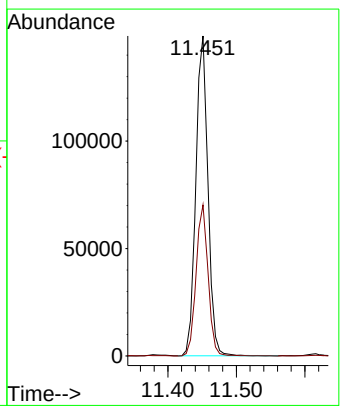
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

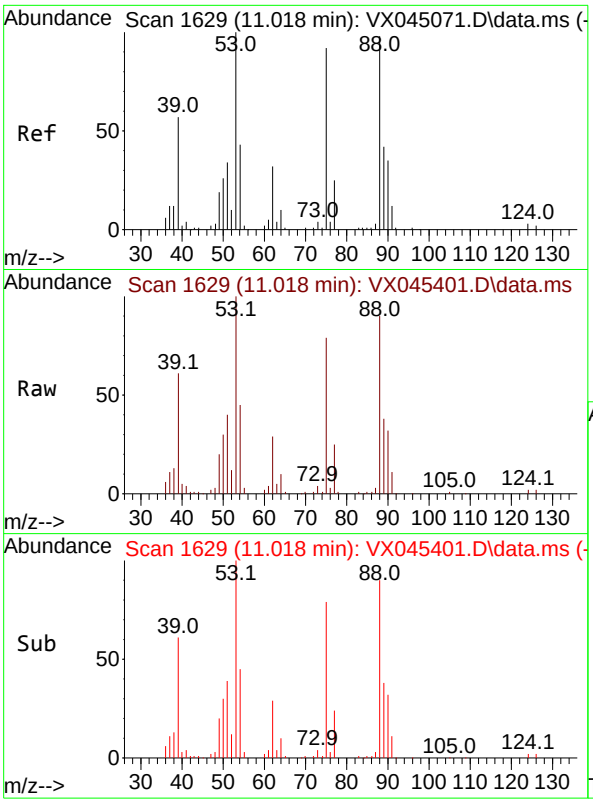


#80
1,3,5-Trimethylbenzene
Concen: 54.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 183136

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2

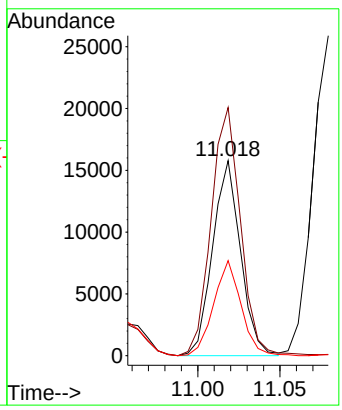




#81
trans-1,4-Dichloro-2-butene
Concen: 51.090 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 1863

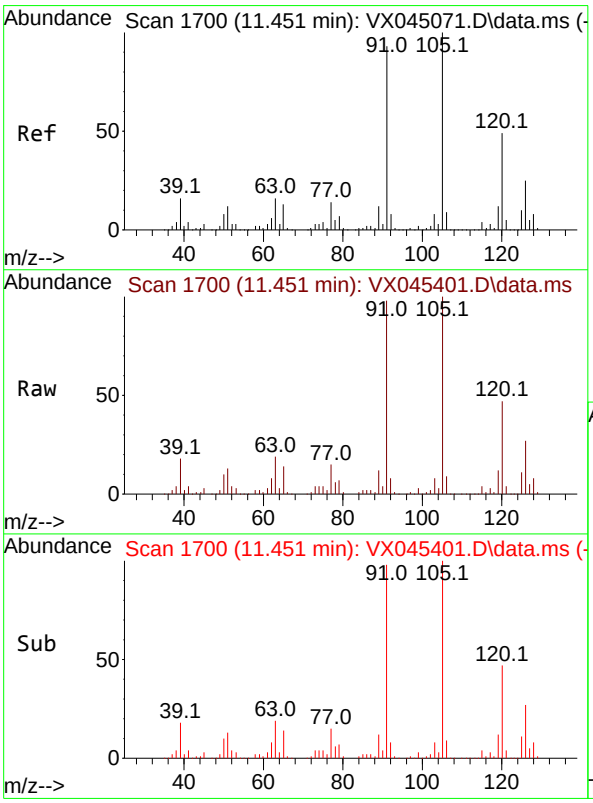
Ion	Ratio	Lower	Upper
75	100		
53	134.3	88.5	132.7
89	47.9	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

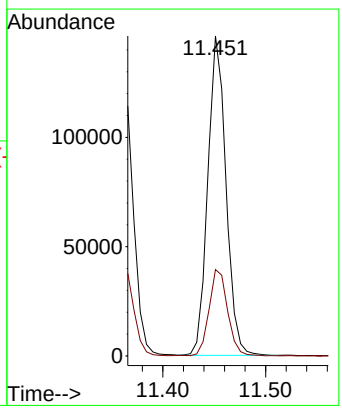
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

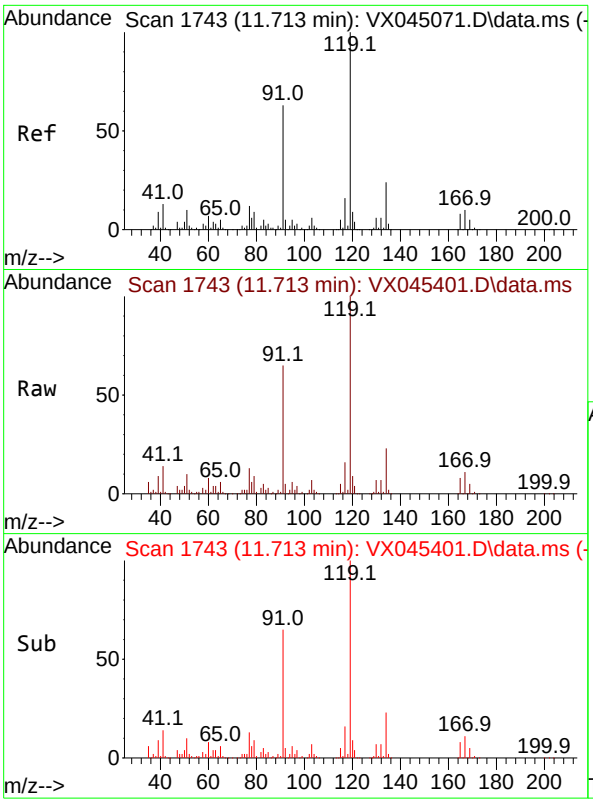


#82
4-Chlorotoluene
Concen: 54.654 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 179417

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

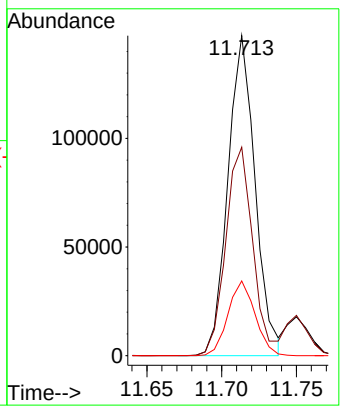




#83
tert-Butylbenzene
Concen: 53.572 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:119 Resp: 18634

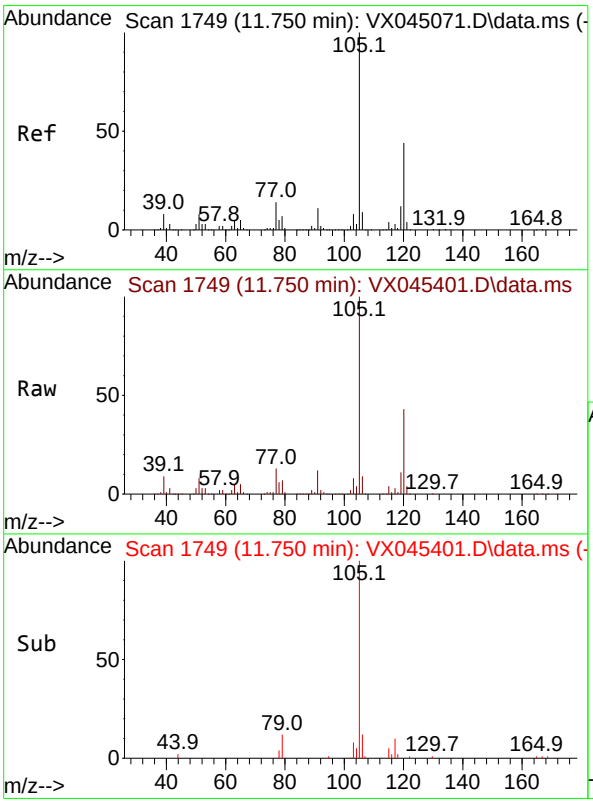
Ion	Ratio	Lower	Upper
119	100		
91	65.3	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

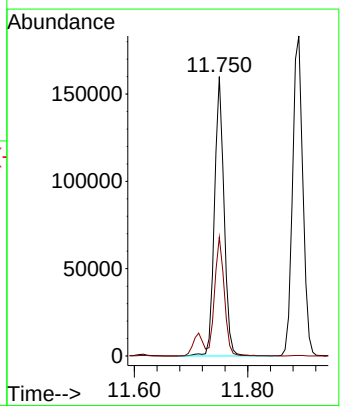
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

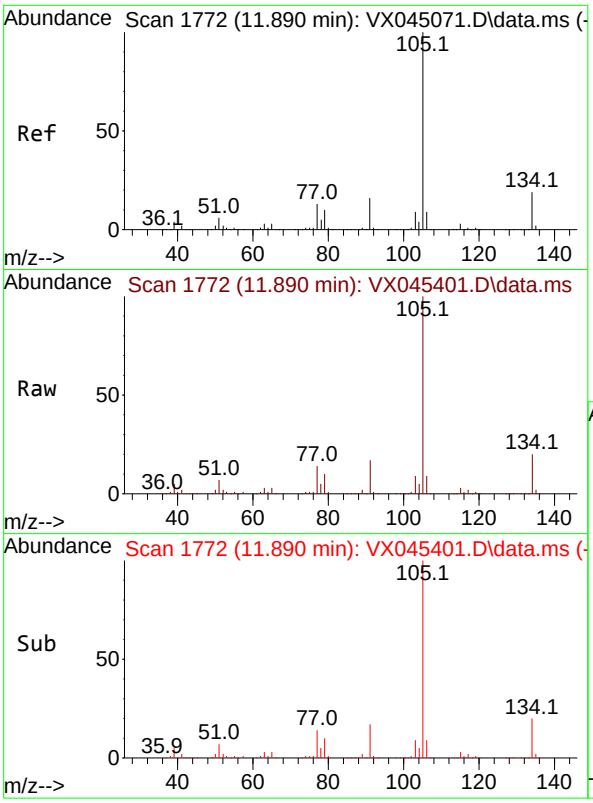


#84
1,2,4-Trimethylbenzene
Concen: 55.172 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 187934

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1

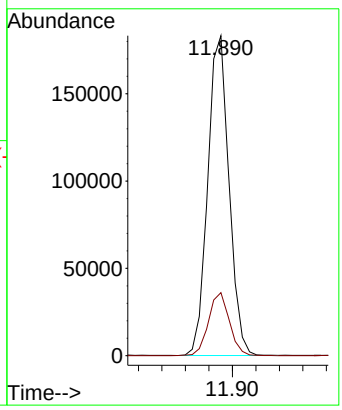




#85
sec-Butylbenzene
Concen: 55.276 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 23031

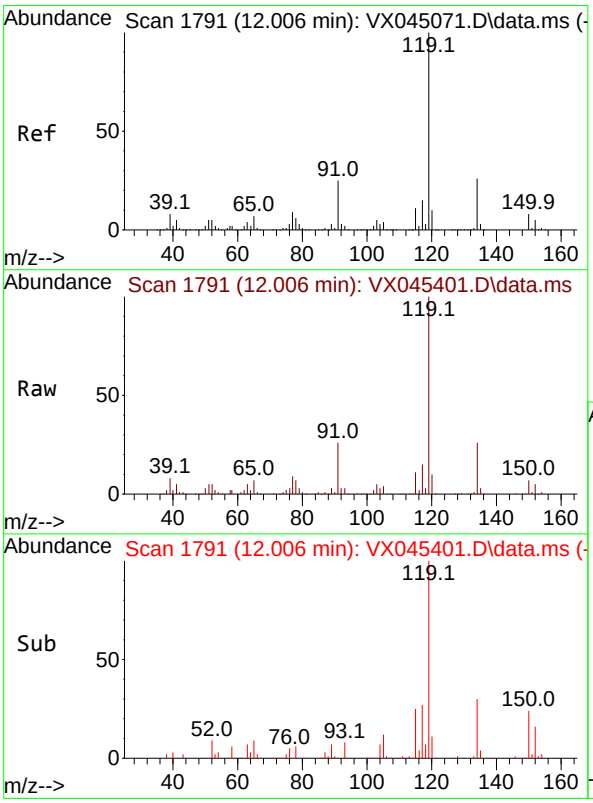
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

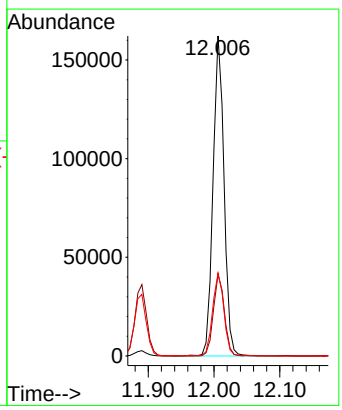
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

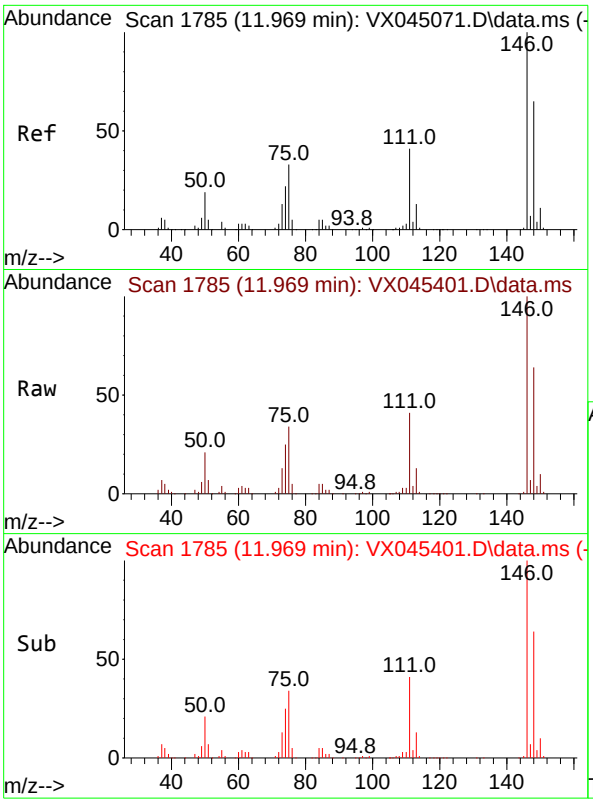


#86
p-Isopropyltoluene
Concen: 55.971 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:119 Resp: 188467

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.5	12.7	38.0

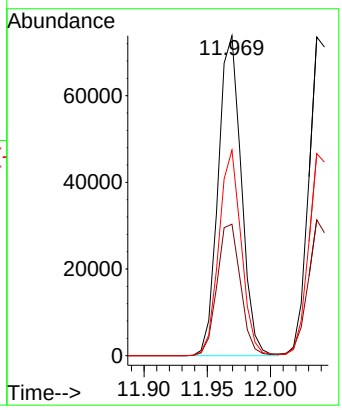




#87
1,3-Dichlorobenzene
Concen: 53.143 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 9365

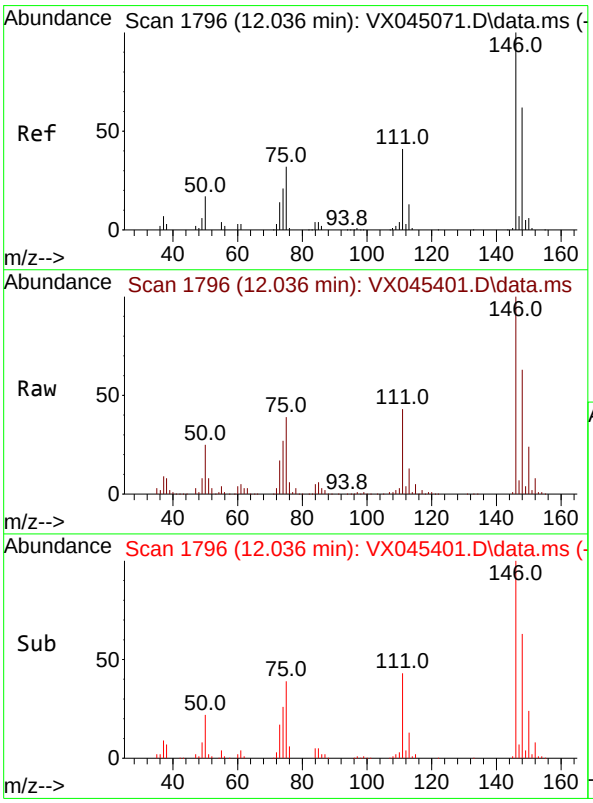
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	62.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

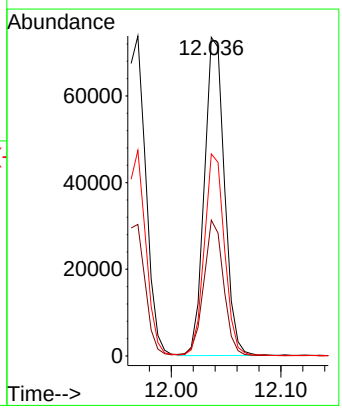
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

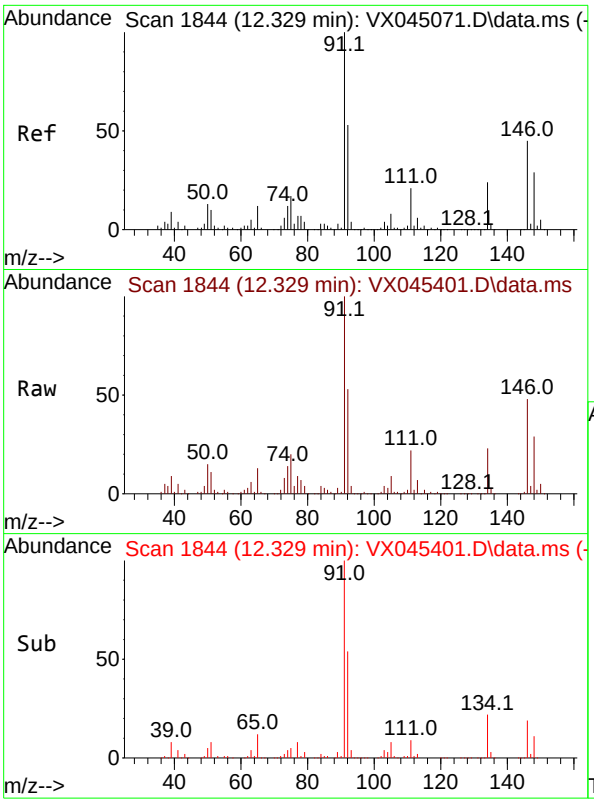


#88
1,4-Dichlorobenzene
Concen: 52.463 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 93536

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	64.0	31.9	95.9

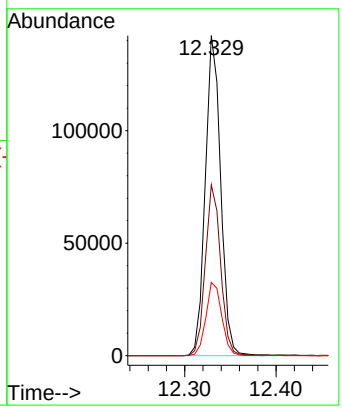




#89
n-Butylbenzene
Concen: 57.458 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 16663

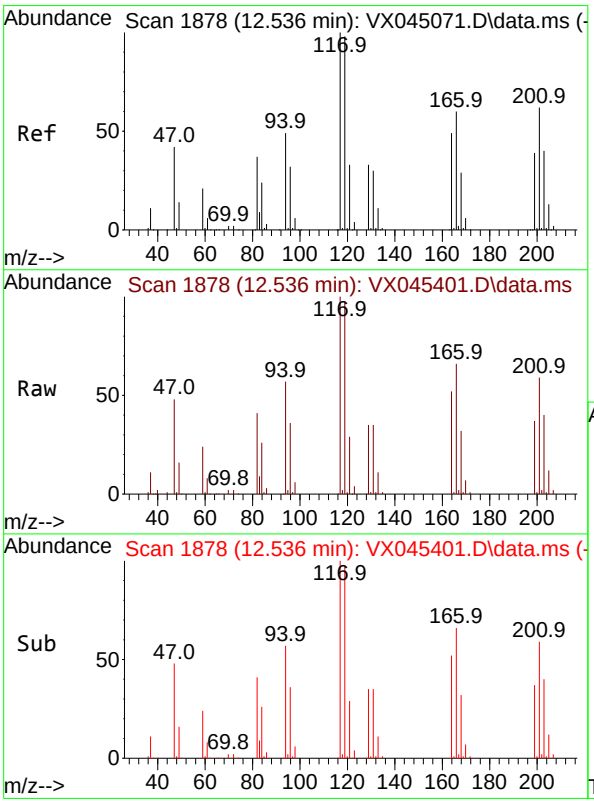
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.5	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

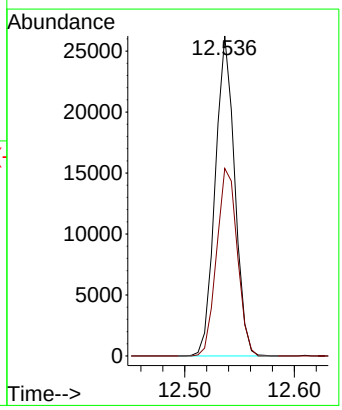
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

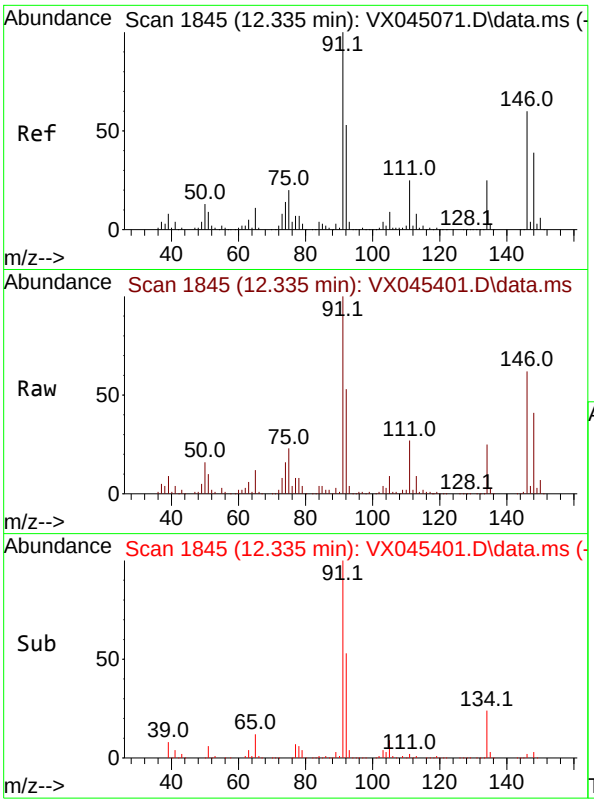


#90
Hexachloroethane
Concen: 53.118 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 32352

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9

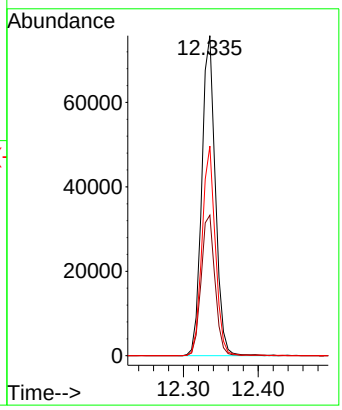




#91
1,2-Dichlorobenzene
Concen: 54.100 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 9563

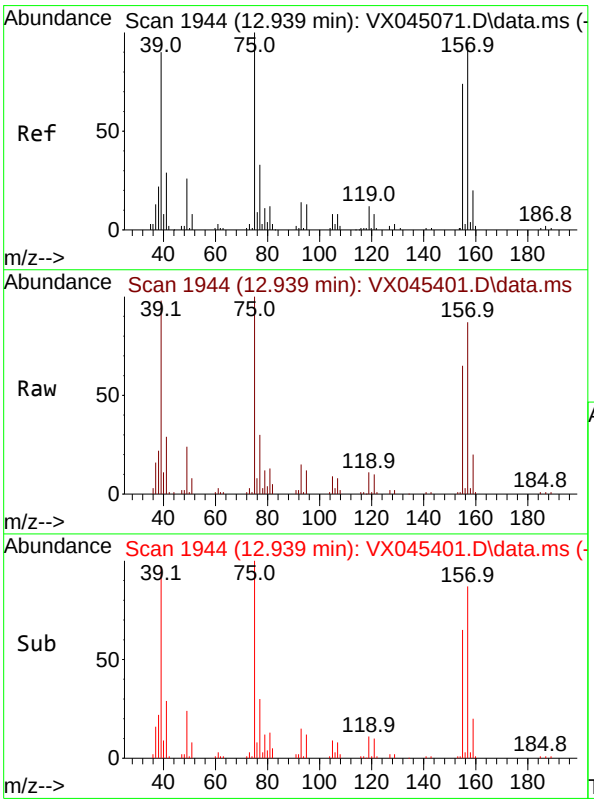
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

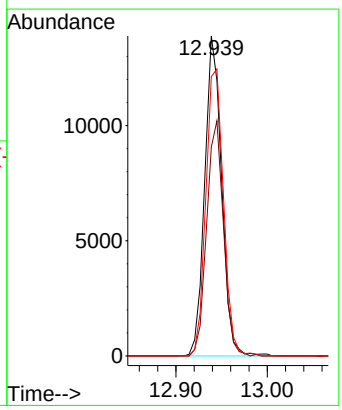
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

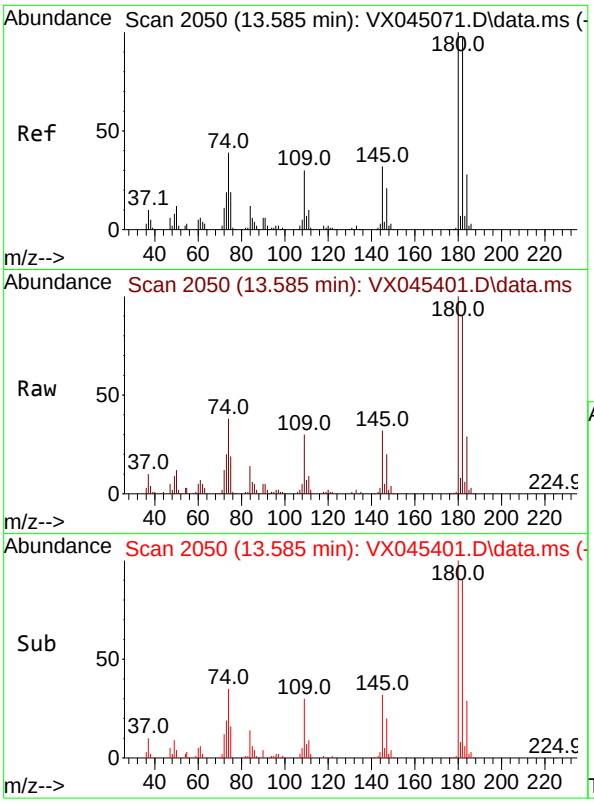


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.571 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 17831

Ion	Ratio	Lower	Upper
75	100		
155	72.9	39.6	118.7
157	93.6	51.1	153.4

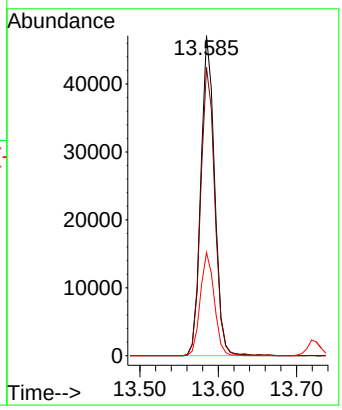




#93
1,2,4-Trichlorobenzene
Concen: 56.965 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:180 Resp: 5734

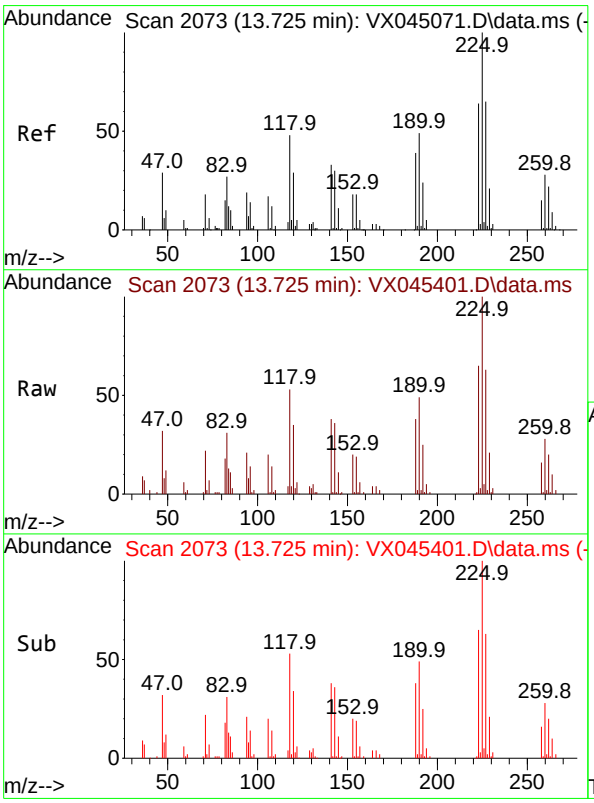
Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	32.7	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

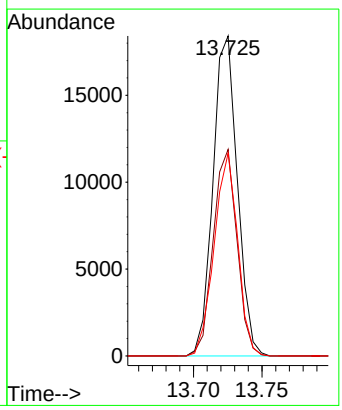
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

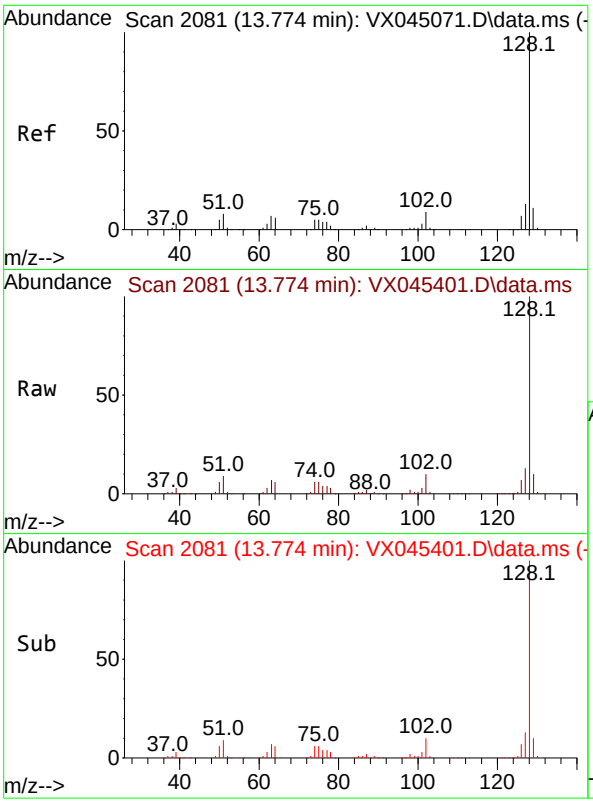


#94
Hexachlorobutadiene
Concen: 55.141 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:225 Resp: 22756

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	61.1	31.4	94.0

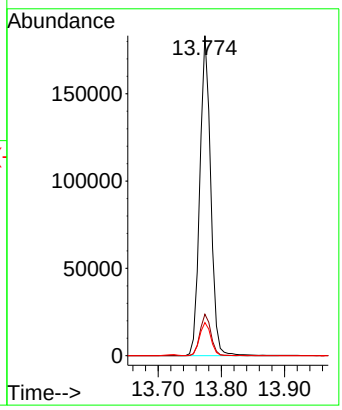




#95
Naphthalene
Concen: 56.787 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:128 Resp: 21962

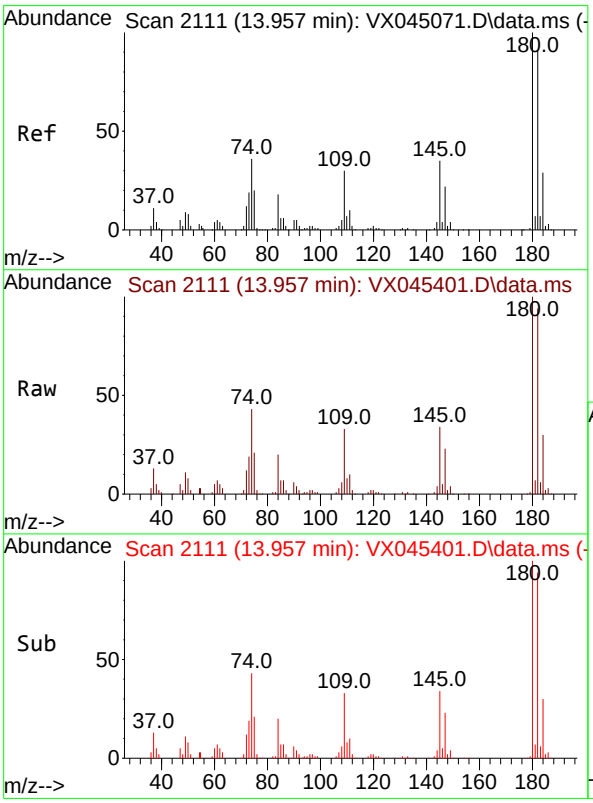
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

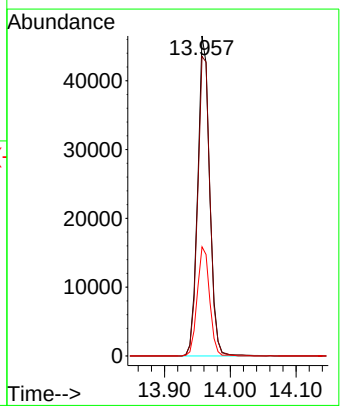
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.183 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:180 Resp: 58600

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	35.3	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	73	0.00
2	T	Dichlorodifluoromethane	0.629	0.594	5.6	69	0.00
3	P	Chloromethane	0.770	0.665	13.6	64	0.00
4	C	Vinyl Chloride	0.764	0.670	12.3#	64	0.00
5	T	Bromomethane	0.300	0.299	0.3	74	0.00
6	T	Chloroethane	0.352	0.318	9.7	62	0.00
7	T	Trichlorofluoromethane	1.011	1.001	1.0	69	0.00
8	T	Diethyl Ether	0.396	0.383	3.3	72	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.641	-10.3	78	0.00
10	T	Methyl Iodide	0.726	0.790	-8.8	74	0.00
11	T	Tert butyl alcohol	0.151	0.130	13.9	71	0.00
12	CM	1,1-Dichloroethene	0.614	0.617	-0.5#	72	0.00
13	T	Acrolein	0.174	0.174	0.0	73	0.00
14	T	Allyl chloride	1.094	1.208	-10.4	79	0.00
15	T	Acrylonitrile	0.404	0.437	-8.2	77	0.00
16	T	Acetone	0.369	0.402	-8.9	83	0.00
17	T	Carbon Disulfide	1.636	1.252	23.5	55	0.00
18	T	Methyl Acetate	0.888	1.318	-48.4#	110	0.00
19	T	Methyl tert-butyl Ether	2.061	2.356	-14.3	82	0.00
20	T	Methylene Chloride	0.731	0.756	-3.4	79	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.628	-3.5	72	0.00
22	T	Diisopropyl ether	2.224	2.544	-14.4	80	0.00
23	T	Vinyl Acetate	1.856	2.099	-13.1	77	0.00
24	P	1,1-Dichloroethane	1.247	1.379	-10.6	81	0.00
25	T	2-Butanone	0.555	0.630	-13.5	79	0.00
26	T	2,2-Dichloropropane	0.585	0.812	-38.8#	99	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.813	-8.5	77	0.00
28	T	Bromochloromethane	0.594	0.686	-15.5	82	0.00
29	T	Tetrahydrofuran	0.373	0.402	-7.8	78	0.00
30	C	Chloroform	1.239	1.447	-16.8#	84	0.00
31	T	Cyclohexane	1.082	1.047	3.2	69	0.00
32	T	1,1,1-Trichloroethane	1.000	1.146	-14.6	81	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.875	-10.1	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.334	0.358	-7.2	79	0.00
36	T	1,1-Dichloropropene	0.459	0.490	-6.8	76	0.00
37	T	Ethyl Acetate	0.591	0.646	-9.3	77	0.00
38	T	Carbon Tetrachloride	0.465	0.523	-12.5	81	0.00
39	T	Methylcyclohexane	0.549	0.568	-3.5	70	0.00
40	TM	Benzene	1.448	1.560	-7.7	75	0.00
41	T	Methacrylonitrile	0.319	0.383	-20.1	81	0.00
42	TM	1,2-Dichloroethane	0.521	0.643	-23.4	88	0.00
43	T	Isopropyl Acetate	0.874	1.006	-15.1	78	0.00
44	TM	Trichloroethene	0.340	0.363	-6.8	77	0.00
45	C	1,2-Dichloropropane	0.372	0.411	-10.5#	80	0.00
46	T	Dibromomethane	0.263	0.307	-16.7	83	0.00
47	T	Bromodichloromethane	0.516	0.610	-18.2	84	0.00
48	T	Methyl methacrylate	0.438	0.517	-18.0	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	70	0.00
50	S	Toluene-d8	1.212	1.198	1.2	72	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.687	-17.0	81	0.00
52	CM	Toluene	0.849	0.935	-10.1#	75	0.00
53	T	t-1,3-Dichloropropene	0.431	0.511	-18.6	79	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.587	-16.7	79	0.00
55	T	1,1,2-Trichloroethane	0.350	0.393	-12.3	80	0.00
56	T	Ethyl methacrylate	0.532	0.620	-16.5	79	0.00
57	T	1,3-Dichloropropane	0.605	0.680	-12.4	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.340	-31.3#	87	0.00
59	T	2-Hexanone	0.425	0.501	-17.9	81	0.00
60	T	Dibromochloromethane	0.366	0.422	-15.3	80	0.00
61	T	1,2-Dibromoethane	0.349	0.397	-13.8	81	0.00
62	S	4-Bromofluorobenzene	0.402	0.422	-5.0	76	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
64	T	Tetrachloroethene	0.320	0.342	-6.9	76	0.00
65	PM	Chlorobenzene	1.058	1.142	-7.9	75	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.395	-12.2	79	0.00
67	C	Ethyl Benzene	1.843	2.065	-12.0#	76	0.00
68	T	m/p-Xylenes	0.675	0.755	-11.9	75	0.00
69	T	o-Xylene	0.681	0.735	-7.9	75	0.00
70	T	Styrene	1.101	1.256	-14.1	76	0.00
71	P	Bromoform	0.266	0.308	-15.8	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
73	T	Isopropylbenzene	3.903	4.244	-8.7	77	0.00
74	T	N-amyl acetate	1.831	2.059	-12.5	78	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.557	-8.7	83	0.00
76	T	1,2,3-Trichloropropane	1.164	1.274	-9.5	84	0.00
77	T	Bromobenzene	0.921	0.957	-3.9	77	0.00
78	T	n-propylbenzene	4.409	4.891	-10.9	77	0.00
79	T	2-Chlorotoluene	2.808	2.992	-6.6	78	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.414	-8.2	76	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.347	-2.1	77	0.00
82	T	4-Chlorotoluene	3.060	3.345	-9.3	78	0.00
83	T	tert-Butylbenzene	3.242	3.474	-7.2	77	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.504	-10.4	78	0.00
85	T	sec-Butylbenzene	3.884	4.294	-10.6	77	0.00
86	T	p-Isopropyltoluene	3.139	3.513	-11.9	77	0.00
87	T	1,3-Dichlorobenzene	1.643	1.746	-6.3	79	0.00
88	T	1,4-Dichlorobenzene	1.662	1.744	-4.9	78	0.00
89	T	n-Butylbenzene	2.703	3.107	-14.9	78	0.00
90	T	Hexachloroethane	0.568	0.603	-6.2	75	0.00
91	T	1,2-Dichlorobenzene	1.648	1.783	-8.2	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.332	-19.0	87	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.069	-14.0	80	0.00
94	T	Hexachlorobutadiene	0.385	0.424	-10.1	82	0.00
95	T	Naphthalene	3.605	4.094	-13.6	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.092	-10.3	78	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	73	0.00
2	T	Dichlorodifluoromethane	50.000	47.221	5.6	69	0.00
3	P	Chloromethane	50.000	43.198	13.6	64	0.00
4	C	Vinyl Chloride	50.000	43.831	12.3#	64	0.00
5	T	Bromomethane	50.000	49.692	0.6	74	0.00
6	T	Chloroethane	50.000	45.116	9.8	62	0.00
7	T	Trichlorofluoromethane	50.000	49.505	1.0	69	0.00
8	T	Diethyl Ether	50.000	48.412	3.2	72	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.132	-10.3	78	0.00
10	T	Methyl Iodide	50.000	54.375	-8.8	74	0.00
11	T	Tert butyl alcohol	250.000	216.377	13.4	71	0.00
12	CM	1,1-Dichloroethene	50.000	50.239	-0.5#	72	0.00
13	T	Acrolein	250.000	249.782	0.1	73	0.00
14	T	Allyl chloride	50.000	55.217	-10.4	79	0.00
15	T	Acrylonitrile	250.000	270.857	-8.3	77	0.00
16	T	Acetone	250.000	272.633	-9.1	83	0.00
17	T	Carbon Disulfide	50.000	38.262	23.5	55	0.00
18	T	Methyl Acetate	50.000	74.217	-48.4#	110	0.00
19	T	Methyl tert-butyl Ether	50.000	57.141	-14.3	82	0.00
20	T	Methylene Chloride	50.000	51.722	-3.4	79	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.770	-3.5	72	0.00
22	T	Diisopropyl ether	50.000	57.185	-14.4	80	0.00
23	T	Vinyl Acetate	250.000	282.670	-13.1	77	0.00
24	P	1,1-Dichloroethane	50.000	55.318	-10.6	81	0.00
25	T	2-Butanone	250.000	283.702	-13.5	79	0.00
26	T	2,2-Dichloropropane	50.000	69.398	-38.8#	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.229	-8.5	77	0.00
28	T	Bromochloromethane	50.000	57.732	-15.5	82	0.00
29	T	Tetrahydrofuran	250.000	269.265	-7.7	78	0.00
30	C	Chloroform	50.000	58.430	-16.9#	84	0.00
31	T	Cyclohexane	50.000	48.368	3.3	69	0.00
32	T	1,1,1-Trichloroethane	50.000	57.268	-14.5	81	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.980	-10.0	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	53.497	-7.0	79	0.00
36	T	1,1-Dichloropropene	50.000	53.446	-6.9	76	0.00
37	T	Ethyl Acetate	50.000	54.690	-9.4	77	0.00
38	T	Carbon Tetrachloride	50.000	56.138	-12.3	81	0.00
39	T	Methylcyclohexane	50.000	51.725	-3.5	70	0.00
40	TM	Benzene	50.000	53.866	-7.7	75	0.00
41	T	Methacrylonitrile	50.000	59.981	-20.0	81	0.00
42	TM	1,2-Dichloroethane	50.000	61.661	-23.3	88	0.00
43	T	Isopropyl Acetate	50.000	57.582	-15.2	78	0.00
44	TM	Trichloroethene	50.000	53.459	-6.9	77	0.00
45	C	1,2-Dichloropropane	50.000	55.246	-10.5#	80	0.00
46	T	Dibromomethane	50.000	58.374	-16.7	83	0.00
47	T	Bromodichloromethane	50.000	59.068	-18.1	84	0.00
48	T	Methyl methacrylate	50.000	58.949	-17.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	985.741	1.4	70	0.00
50	S	Toluene-d8	50.000	49.417	1.2	72	0.00
51	T	4-Methyl-2-Pentanone	250.000	292.590	-17.0	81	0.00
52	CM	Toluene	50.000	55.048	-10.1#	75	0.00
53	T	t-1,3-Dichloropropene	50.000	59.170	-18.3	79	0.00
54	T	cis-1,3-Dichloropropene	50.000	58.304	-16.6	79	0.00
55	T	1,1,2-Trichloroethane	50.000	56.131	-12.3	80	0.00
56	T	Ethyl methacrylate	50.000	58.321	-16.6	79	0.00
57	T	1,3-Dichloropropane	50.000	56.184	-12.4	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	327.394	-31.0#	87	0.00
59	T	2-Hexanone	250.000	294.834	-17.9	81	0.00
60	T	Dibromochloromethane	50.000	57.765	-15.5	80	0.00
61	T	1,2-Dibromoethane	50.000	56.890	-13.8	81	0.00
62	S	4-Bromofluorobenzene	50.000	52.550	-5.1	76	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	72	0.00
64	T	Tetrachloroethene	50.000	53.474	-6.9	76	0.00
65	PM	Chlorobenzene	50.000	53.968	-7.9	75	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.016	-12.0	79	0.00
67	C	Ethyl Benzene	50.000	56.012	-12.0#	76	0.00
68	T	m/p-Xylenes	100.000	111.853	-11.9	75	0.00
69	T	o-Xylene	50.000	54.016	-8.0	75	0.00
70	T	Styrene	50.000	57.041	-14.1	76	0.00
71	P	Bromoform	50.000	57.963	-15.9	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	75	0.00
73	T	Isopropylbenzene	50.000	54.369	-8.7	77	0.00
74	T	N-amyl acetate	50.000	56.217	-12.4	78	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.359	-8.7	83	0.00
76	T	1,2,3-Trichloropropane	50.000	54.751	-9.5	84	0.00
77	T	Bromobenzene	50.000	51.964	-3.9	77	0.00
78	T	n-propylbenzene	50.000	55.477	-11.0	77	0.00
79	T	2-Chlorotoluene	50.000	53.282	-6.6	78	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.096	-8.2	76	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.090	-2.2	77	0.00
82	T	4-Chlorotoluene	50.000	54.654	-9.3	78	0.00
83	T	tert-Butylbenzene	50.000	53.572	-7.1	77	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.172	-10.3	78	0.00
85	T	sec-Butylbenzene	50.000	55.276	-10.6	77	0.00
86	T	p-Isopropyltoluene	50.000	55.971	-11.9	77	0.00
87	T	1,3-Dichlorobenzene	50.000	53.143	-6.3	79	0.00
88	T	1,4-Dichlorobenzene	50.000	52.463	-4.9	78	0.00
89	T	n-Butylbenzene	50.000	57.458	-14.9	78	0.00
90	T	Hexachloroethane	50.000	53.118	-6.2	75	0.00
91	T	1,2-Dichlorobenzene	50.000	54.100	-8.2	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	59.571	-19.1	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.965	-13.9	80	0.00
94	T	Hexachlorobutadiene	50.000	55.141	-10.3	82	0.00
95	T	Naphthalene	50.000	56.787	-13.6	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.183	-10.4	78	0.00

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

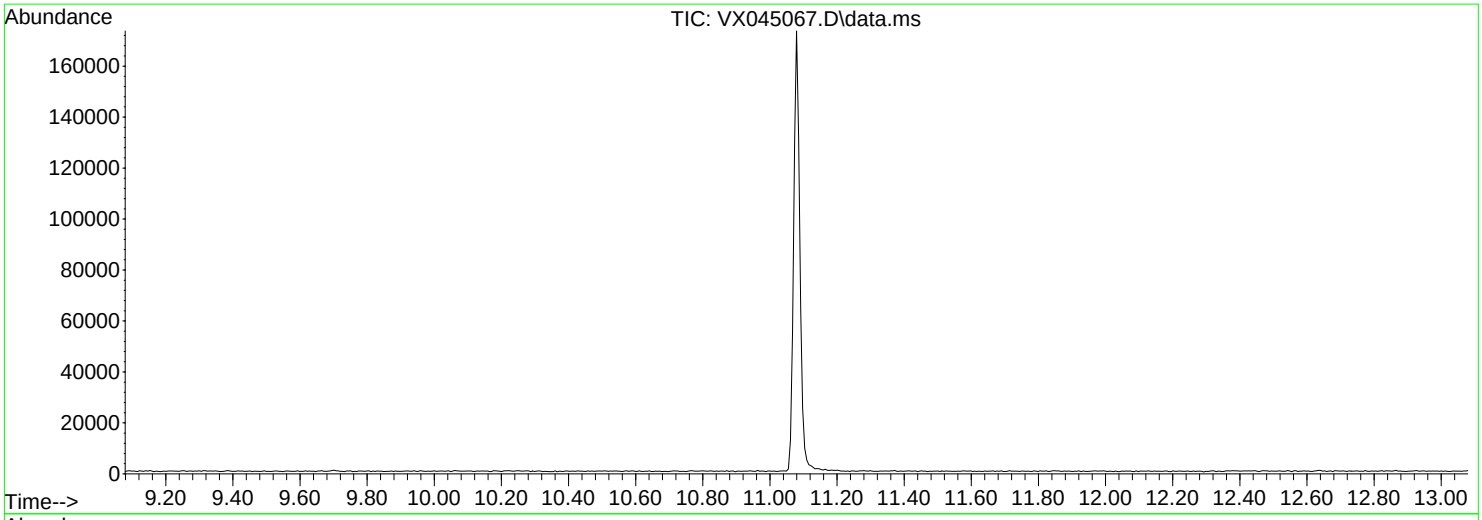
QC SAMPLE DATA

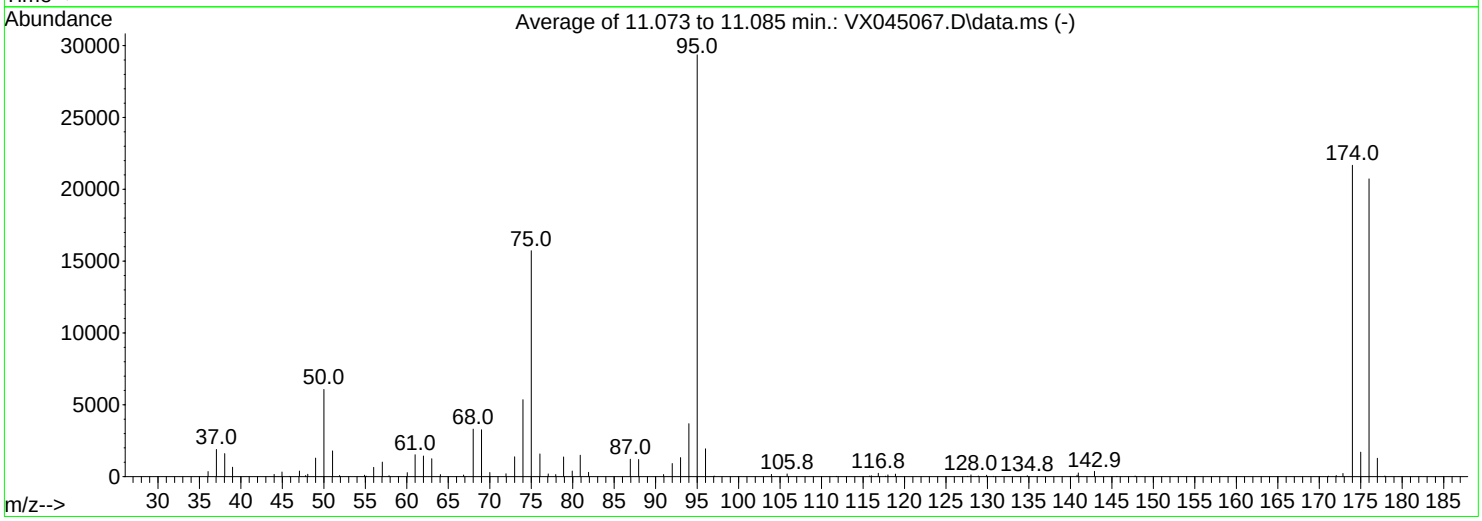
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025





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

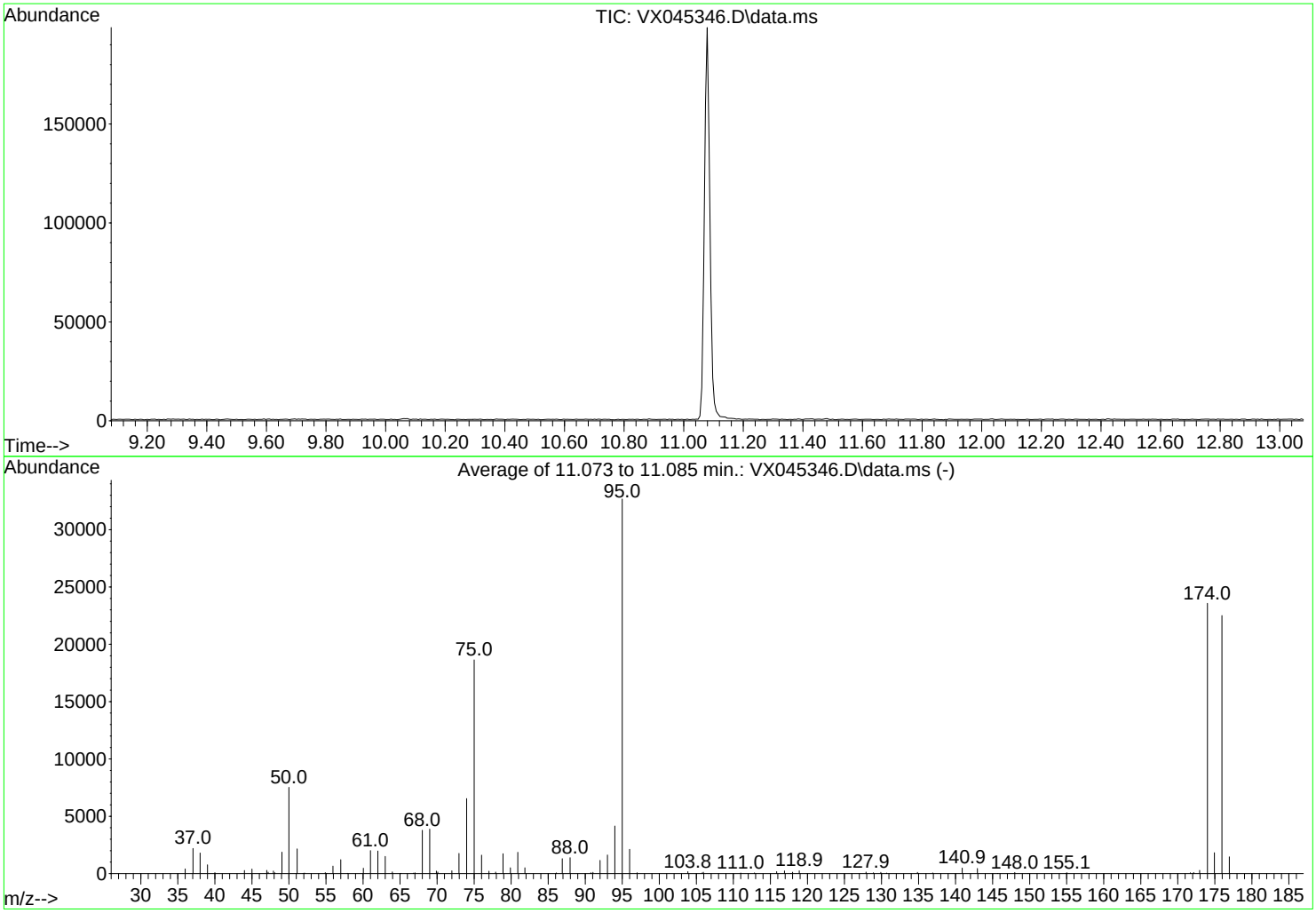
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045346.D
Acq On : 20 Mar 2025 09:09
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



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

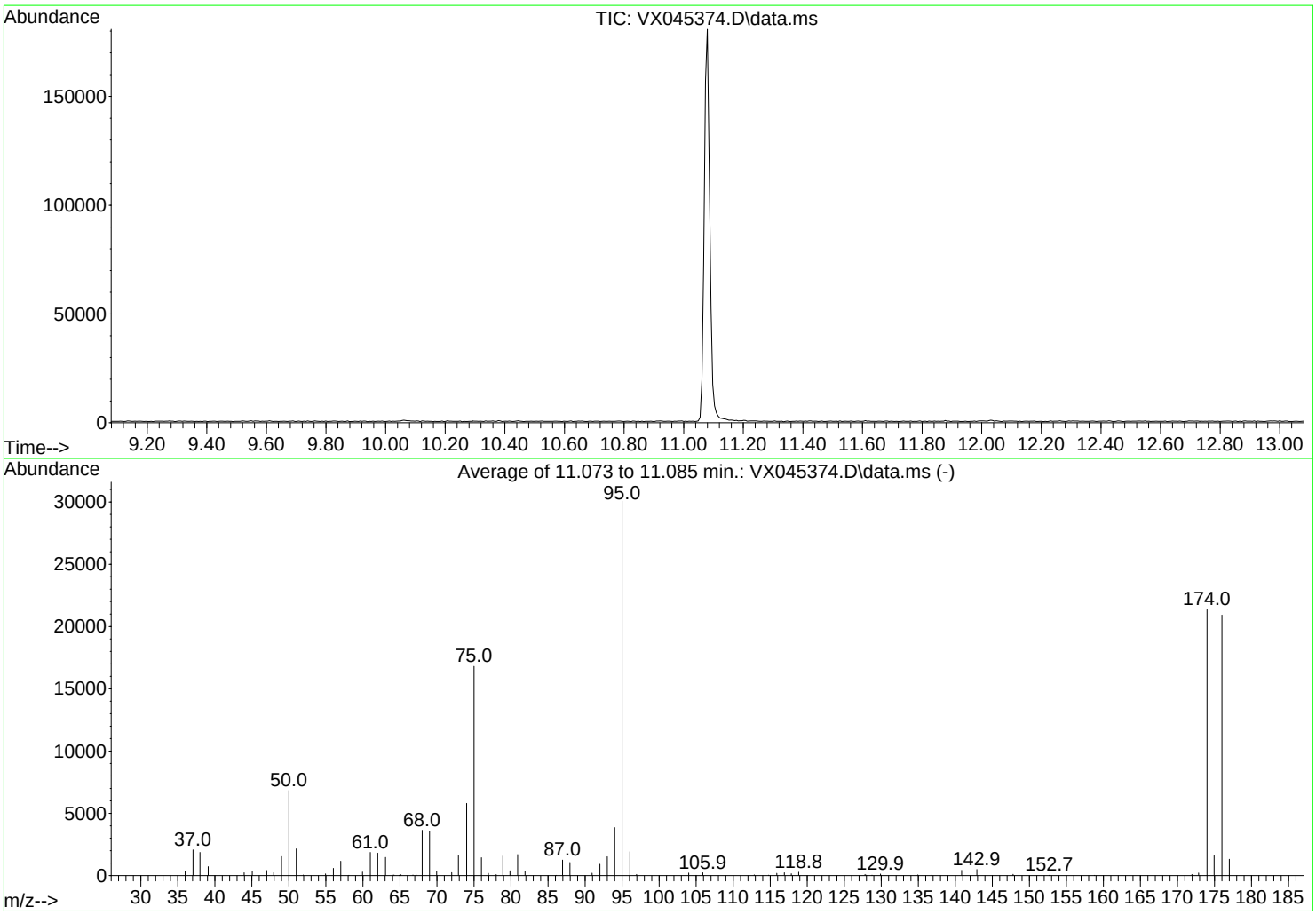
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	7519	PASS
75	95	30	60	57.1	18644	PASS
95	95	100	100	100.0	32675	PASS
96	95	5	9	6.5	2124	PASS
173	174	0.00	2	1.2	288	PASS
174	95	50	100	72.1	23573	PASS
175	174	5	9	7.7	1819	PASS
176	174	95	101	95.5	22507	PASS
177	176	5	9	6.5	1462	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045374.D
Acq On : 21 Mar 2025 09:29
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	6834	PASS
75	95	30	60	55.8	16798	PASS
95	95	100	100	100.0	30088	PASS
96	95	5	9	6.4	1915	PASS
173	174	0.00	2	1.0	207	PASS
174	95	50	100	71.0	21352	PASS
175	174	5	9	7.5	1599	PASS
176	174	95	101	98.0	20923	PASS
177	176	5	9	6.3	1317	PASS

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:	VX0320WBL01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045349.D	1		03/20/25 10:29	VX032025

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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBL01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045349.D	1		03/20/25 10:29	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	122000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	47400	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBL01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045349.D	1		03/20/25 10:29	VX032025

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\VX032025\
Data File : VX045349.D
Acq On : 20 Mar 2025 10:29
Operator : JC/MD
Sample : VX0320WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Quant Time: Mar 21 01:42:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61741	57.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.500%			
35) Dibromofluoromethane	5.379	113	47374	53.069	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.140%			
50) Toluene-d8	8.647	98	165758	51.219	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.440%			
62) 4-Bromofluorobenzene	11.079	95	55720	51.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.920%			

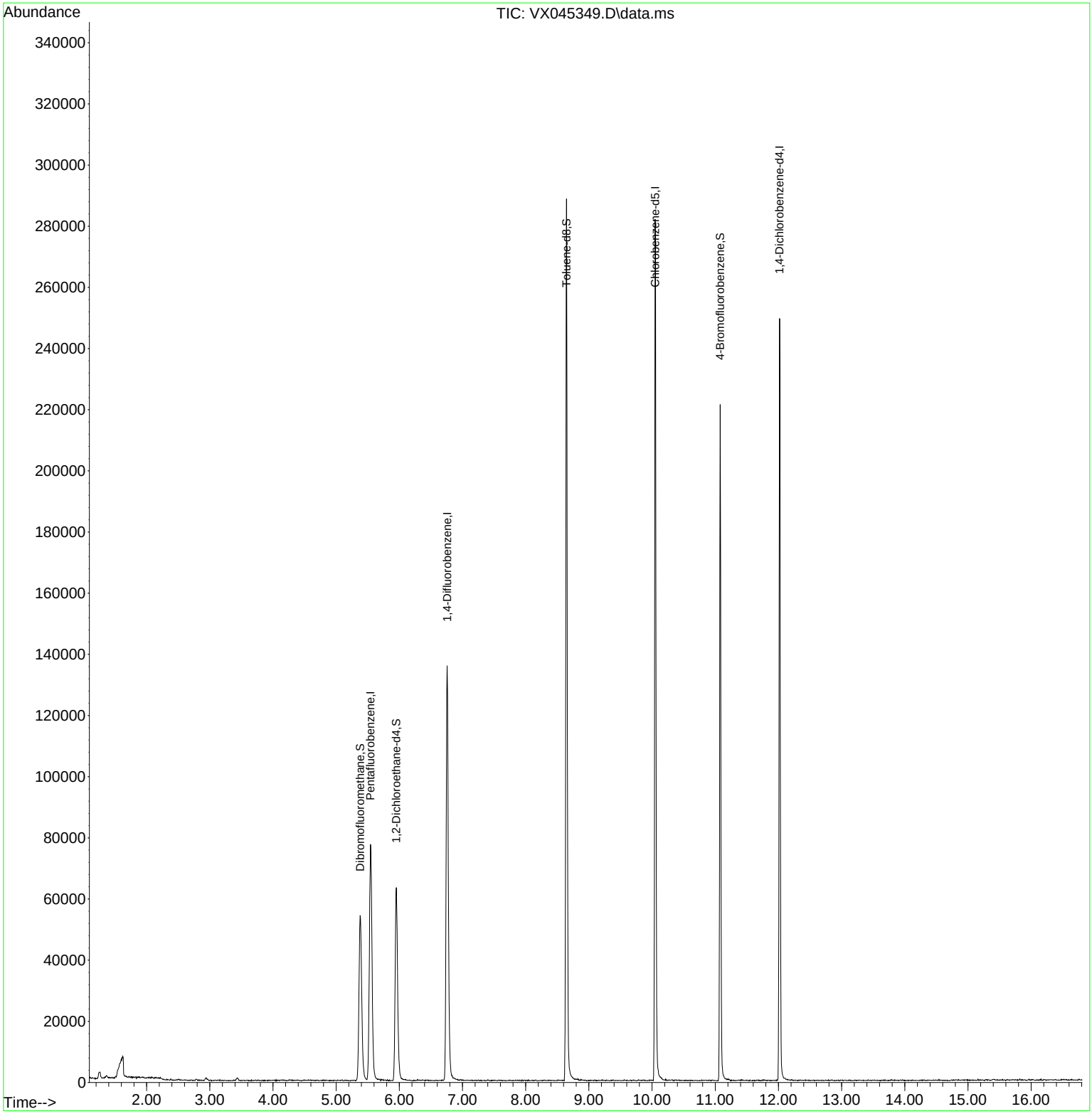
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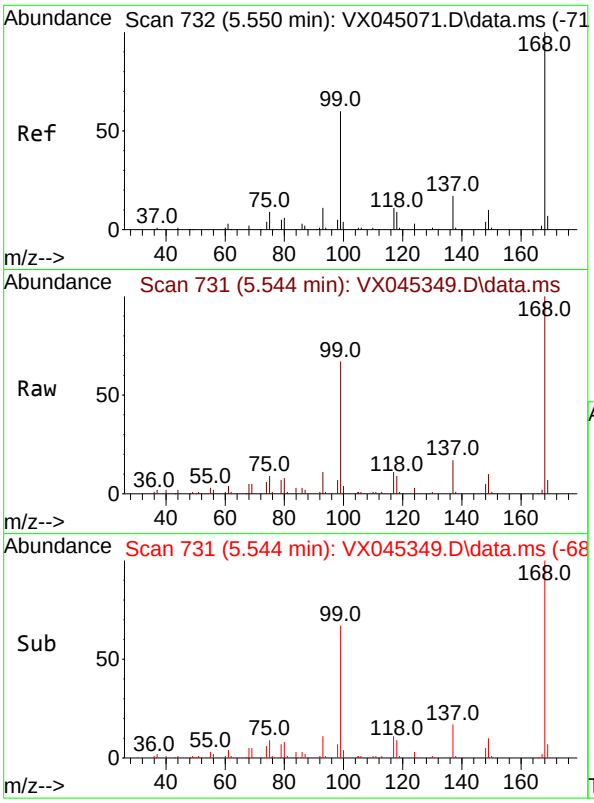
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045349.D
Acq On : 20 Mar 2025 10:29
Operator : JC/MD
Sample : VX0320WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Quant Time: Mar 21 01:42:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



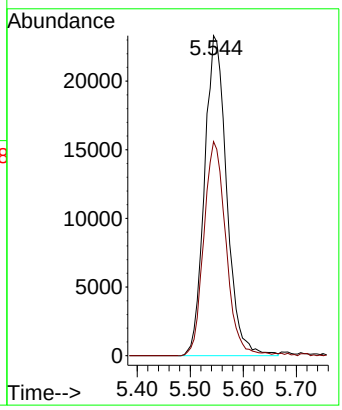


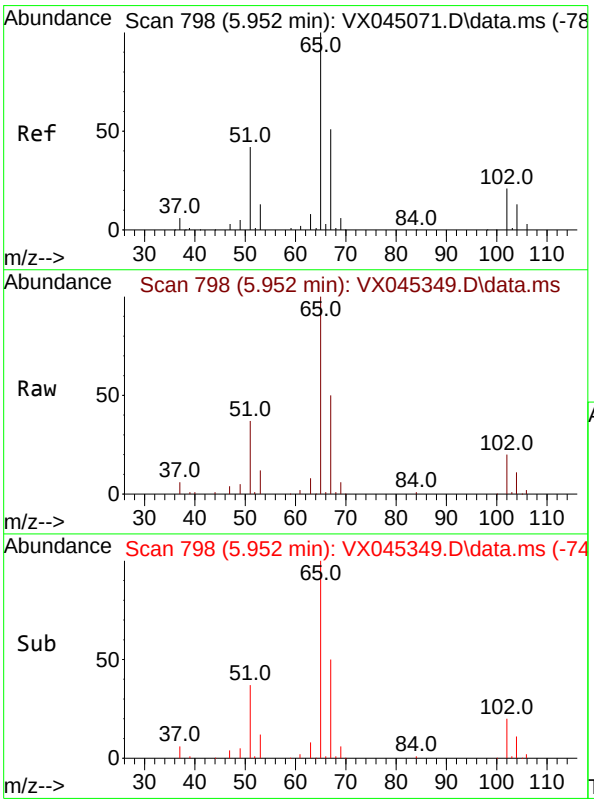
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion:168 Resp: 67796

Ion	Ratio	Lower	Upper
168	100		
99	66.9	48.2	72.4

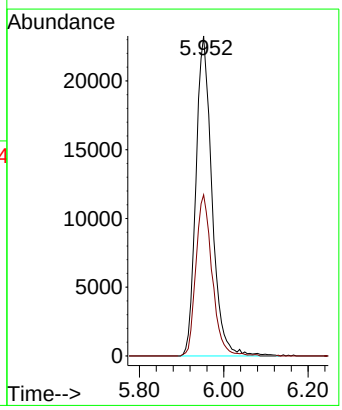


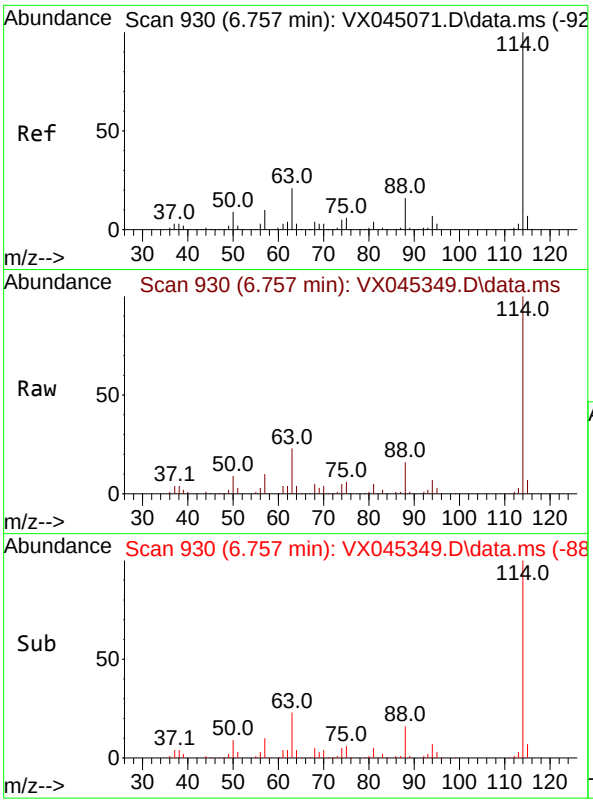


#33
1,2-Dichloroethane-d4
Concen: 57.253 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion: 65 Resp: 61741

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2



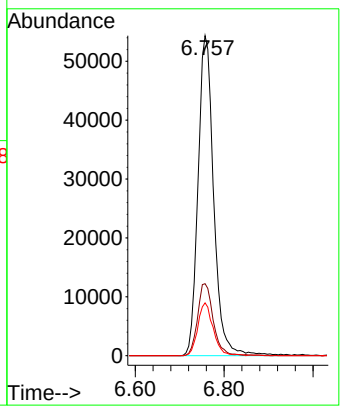


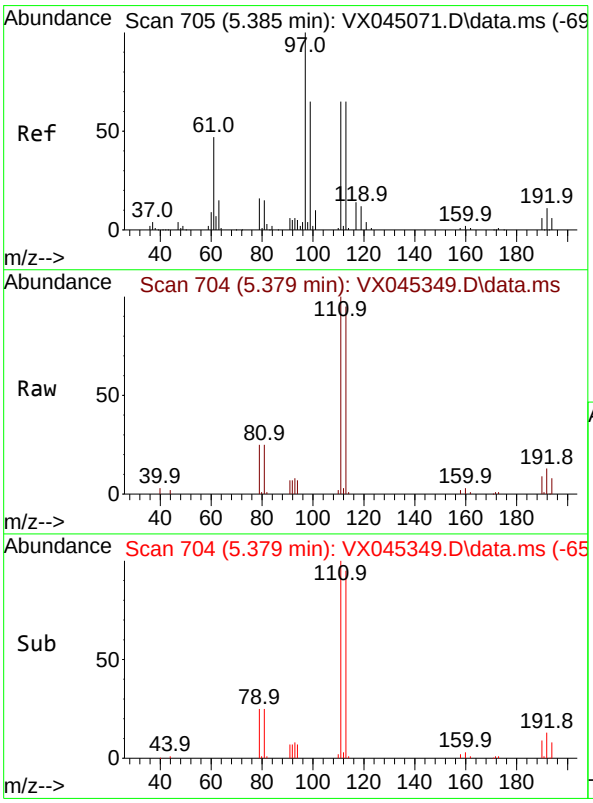
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion:114 Resp: 133500

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.5	0.0	32.8

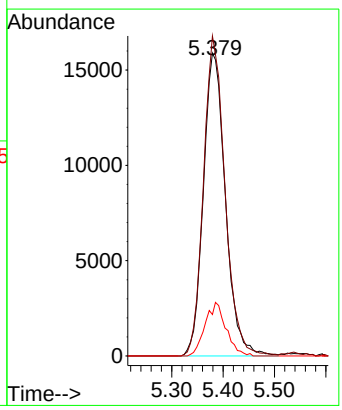


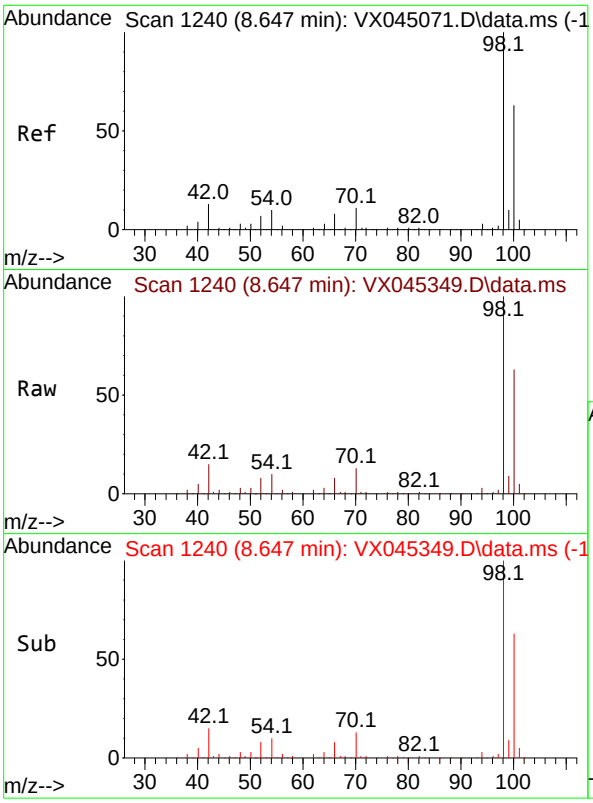


#35
Dibromofluoromethane
Concen: 53.069 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion:113 Resp: 47374

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	16.8	14.3	21.5



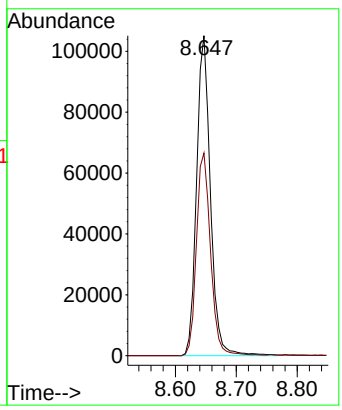


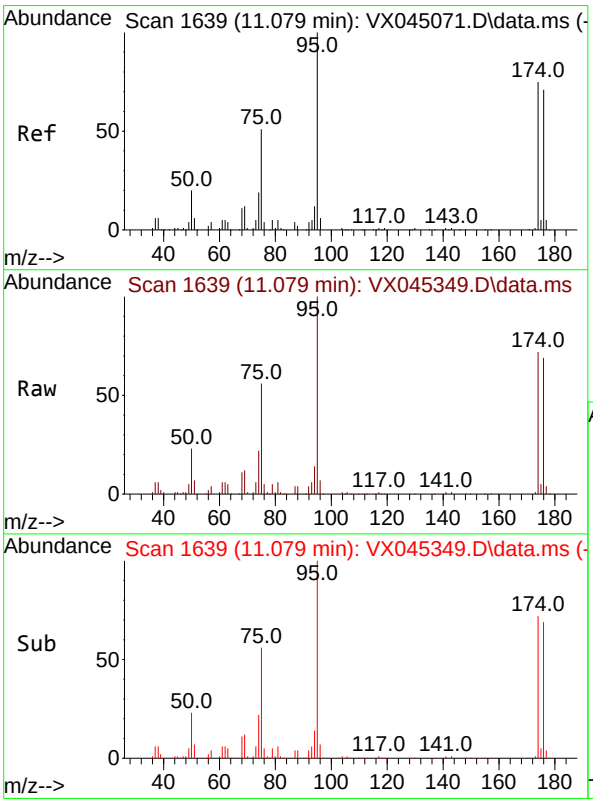
#50
Toluene-d8
Concen: 51.219 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion: 98 Resp: 165758

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

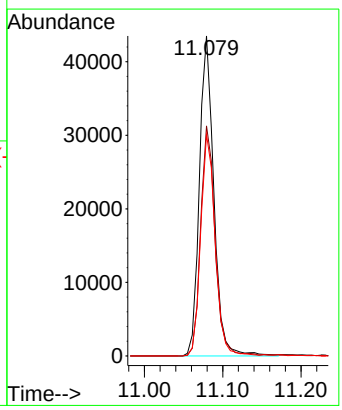


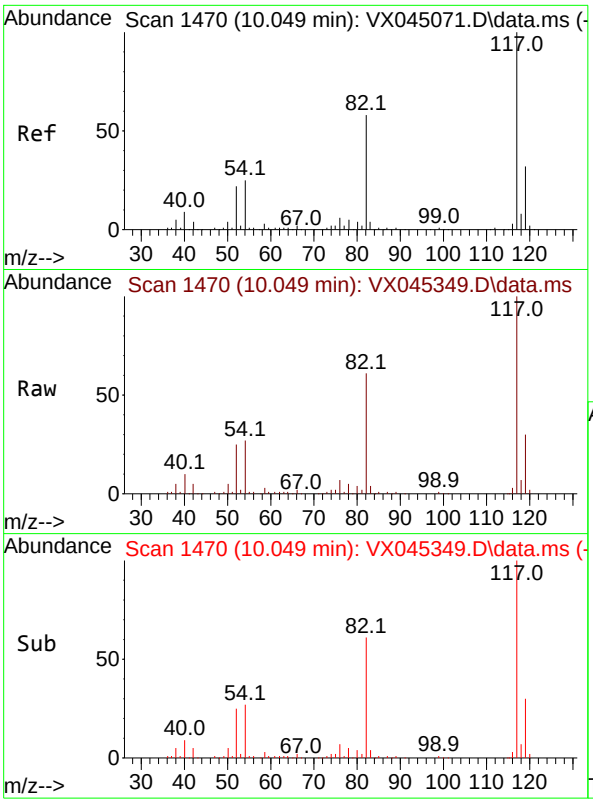


#62
4-Bromofluorobenzene
Concen: 51.958 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion: 95 Resp: 55720

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	148.2
176	69.4	0.0	141.4



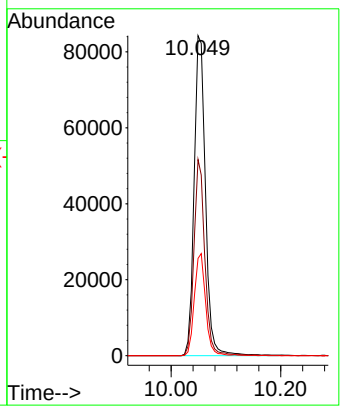


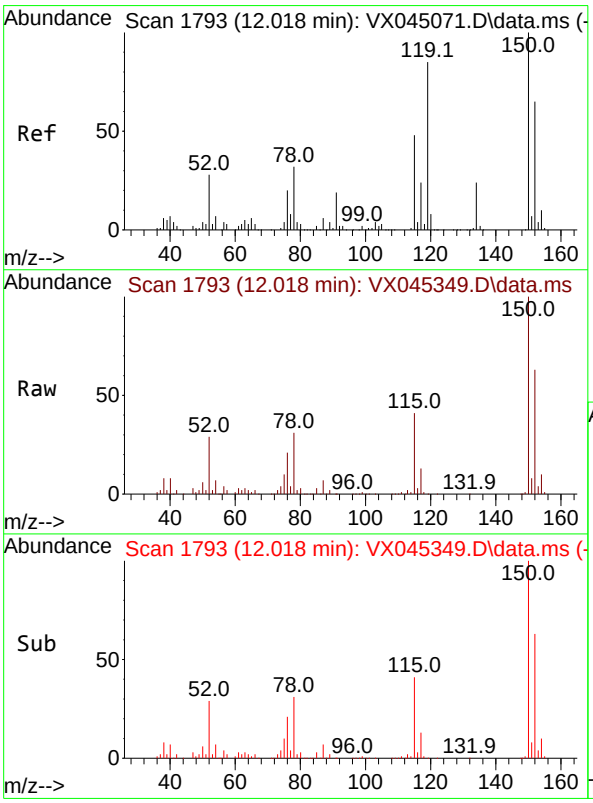
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBL01

Tgt Ion:117 Resp: 121748

Ion	Ratio	Lower	Upper
117	100		
82	61.3	46.3	69.5
119	30.4	25.7	38.5

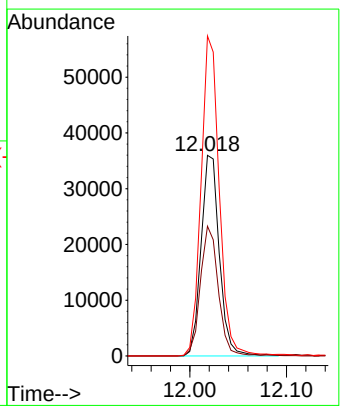




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045349.D
Acq: 20 Mar 2025 10:29

Tgt Ion:152 Resp: 47437

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.2	132.6
150	159.4	0.0	349.0



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:	VX0321WBL01	SDG No.:	Q1582
Lab Sample ID:	VX0321WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045377.D	1		03/21/25 10:52	VX032125

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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0321WBL01	SDG No.:	Q1582
Lab Sample ID:	VX0321WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045377.D	1		03/21/25 10:52	VX032125

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	56.9		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67400	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52900	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0321WBL01	SDG No.:	Q1582
Lab Sample ID:	VX0321WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045377.D	1		03/21/25 10:52	VX032125

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\VX032125\
Data File : VX045377.D
Acq On : 21 Mar 2025 10:52
Operator : JC/MD
Sample : VX0321WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Quant Time: Mar 21 23:10:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

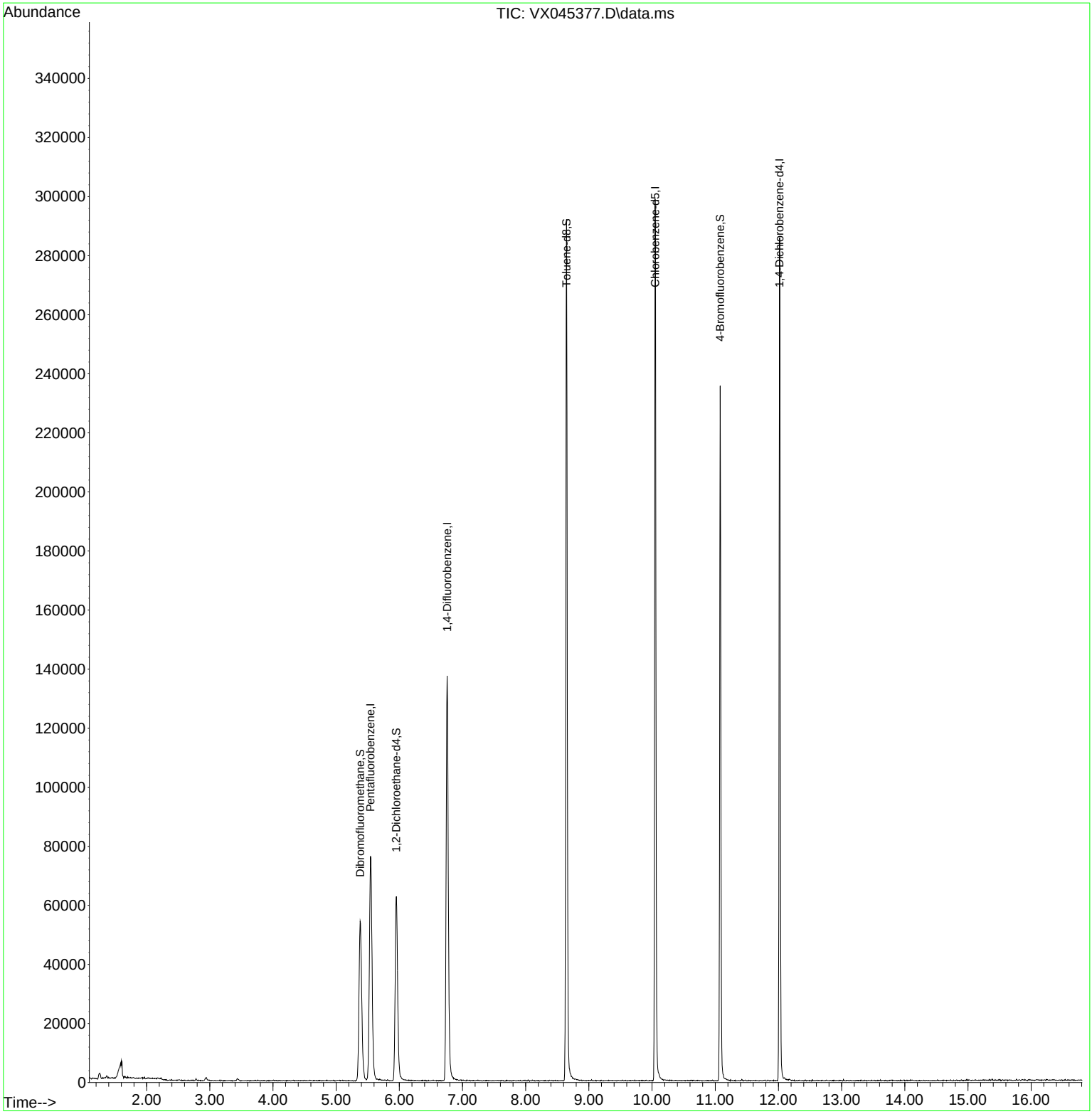
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60995	56.891	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.780%			
35) Dibromofluoromethane	5.379	113	47608	53.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.840%			
50) Toluene-d8	8.647	98	167556	51.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	11.079	95	60108	56.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.280%			
Target Compounds						Qvalue

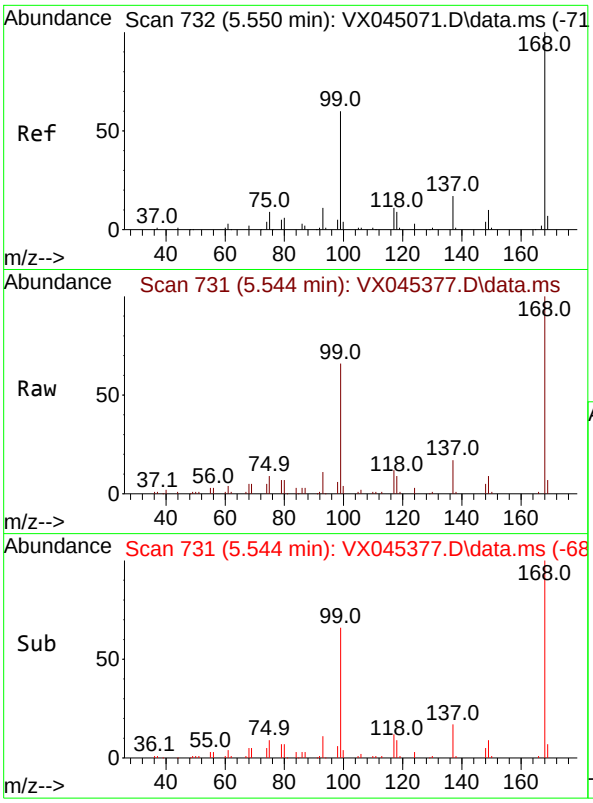
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045377.D
Acq On : 21 Mar 2025 10:52
Operator : JC/MD
Sample : VX0321WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Quant Time: Mar 21 23:10:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



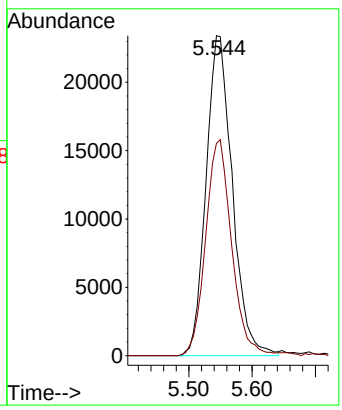


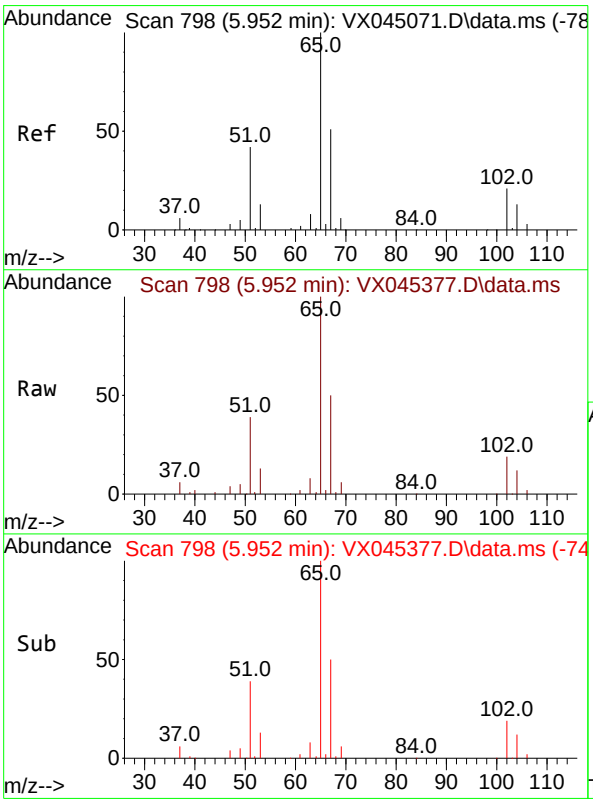
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion:168 Resp: 67403

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.2	72.4

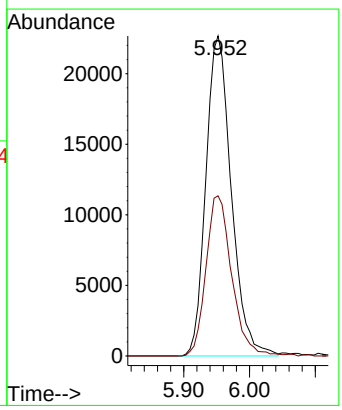


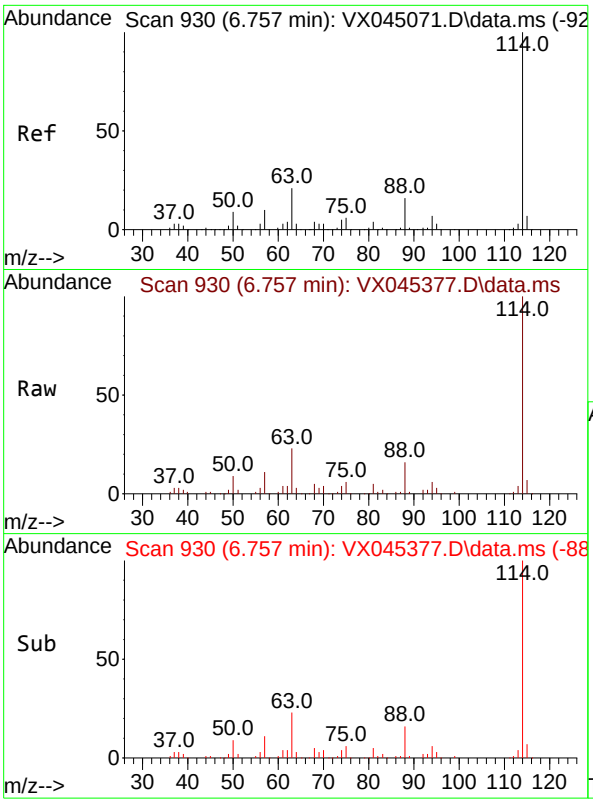


#33
1,2-Dichloroethane-d4
Concen: 56.891 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion: 65 Resp: 60995

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



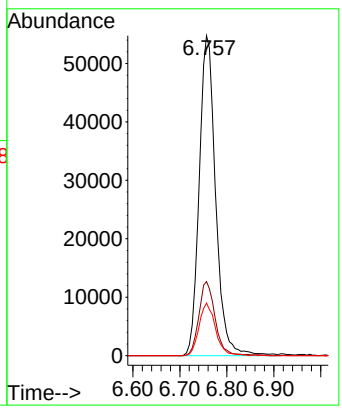


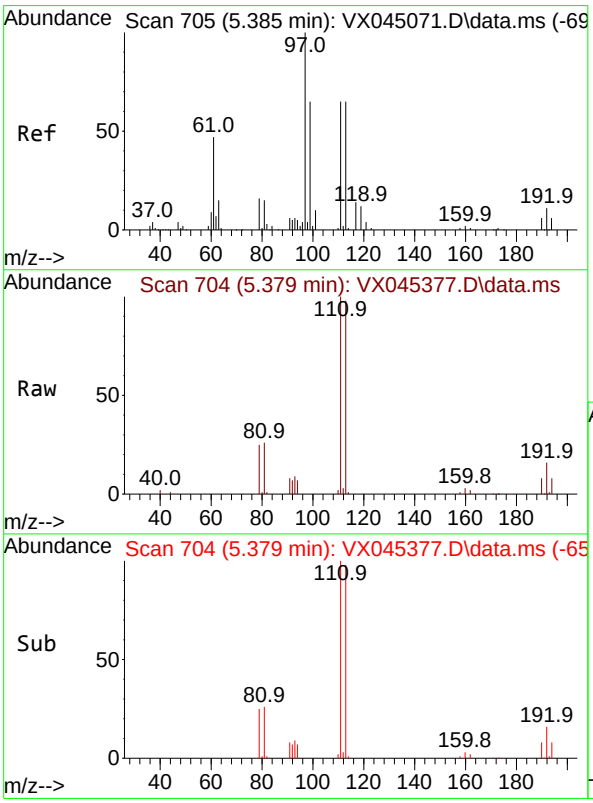
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion:114 Resp: 133286

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.5	0.0	32.8

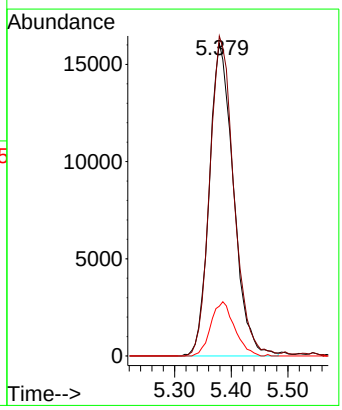


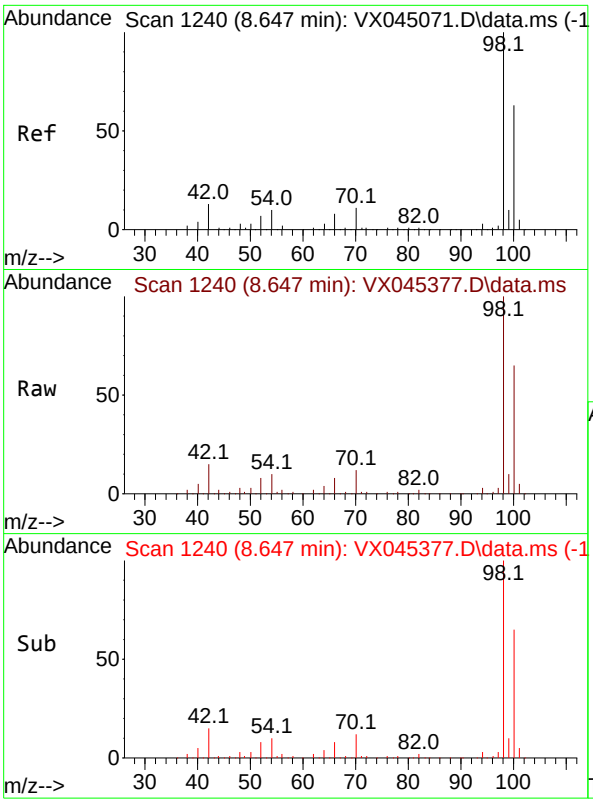


#35
Dibromofluoromethane
Concen: 53.417 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion:113 Resp: 47608

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	17.0	14.3	21.5



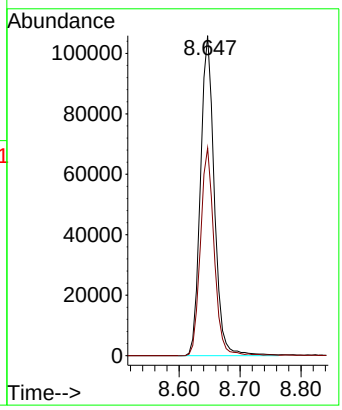


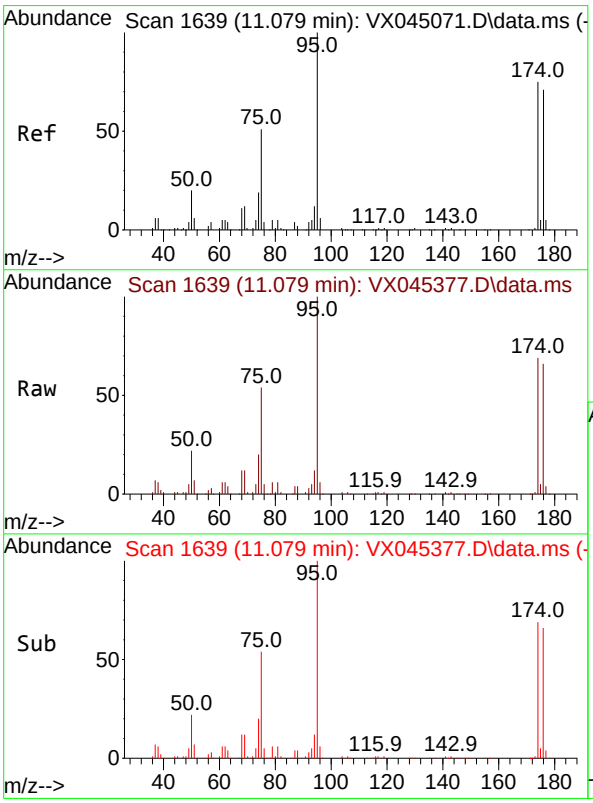
#50
Toluene-d8
Concen: 51.857 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion: 98 Resp: 167556

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

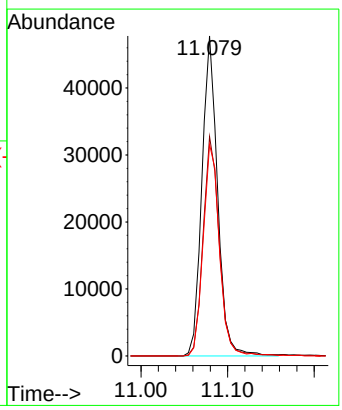


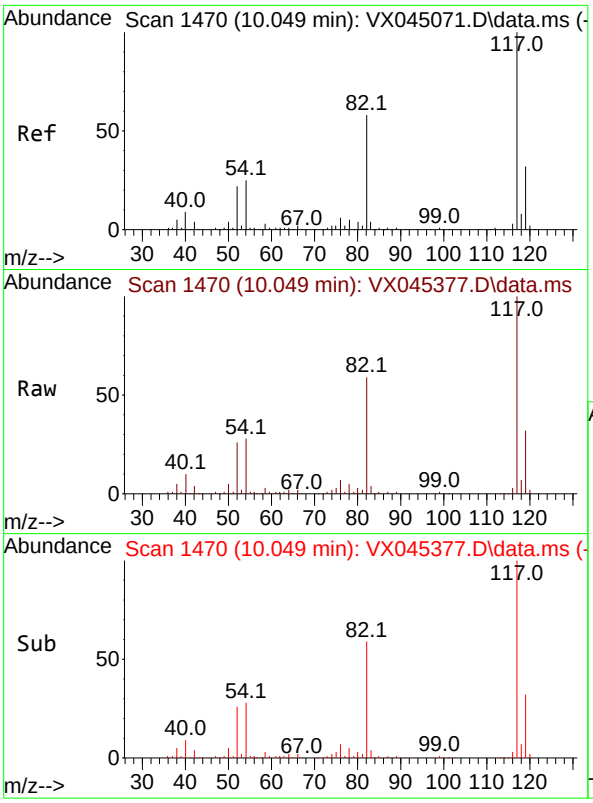


#62
4-Bromofluorobenzene
Concen: 56.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion: 95 Resp: 60108

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	68.7	0.0	141.4



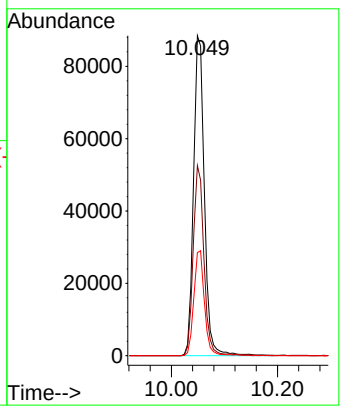


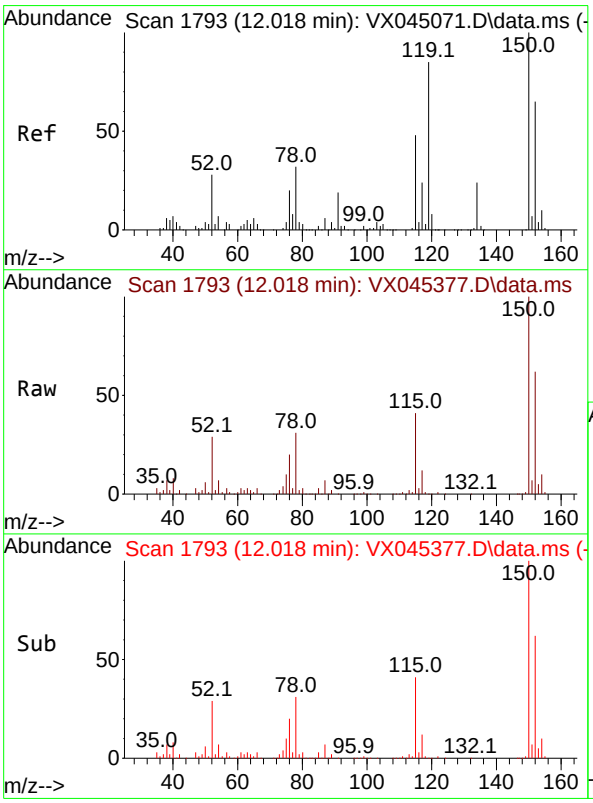
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

Tgt Ion:117 Resp: 125274

Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.3	69.5
119	32.2	25.7	38.5

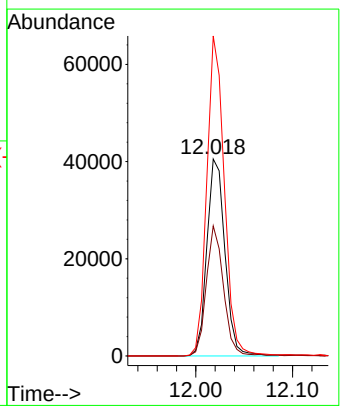




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045377.D
Acq: 21 Mar 2025 10:52

Tgt Ion:152 Resp: 52894

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.2	132.6
150	157.9	0.0	349.0



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:	VX0320WBS01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045350.D	1		03/20/25 10:53	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.3		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	16.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	100		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	26.3		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	19.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.7		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	21.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.6		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	21.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.7		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	22.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.9		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBS01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045350.D	1		03/20/25 10:53	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		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	21.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	42.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.7		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.3		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94300	5.55				
540-36-3	1,4-Difluorobenzene	168000	6.757				
3114-55-4	Chlorobenzene-d5	149000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	65200	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBS01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045350.D	1		03/20/25 10:53	VX032025

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\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	94337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84826	56.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	5.379	113	61688	54.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	8.647	98	217551	53.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.540%			
62) 4-Bromofluorobenzene	11.079	95	75333	55.661	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21766	18.330	ug/l	96
3) Chloromethane	1.307	50	24700	16.997	ug/l	99
4) Vinyl Chloride	1.374	62	23778	16.494	ug/l	99
5) Bromomethane	1.593	94	10806	19.068	ug/l	97
6) Chloroethane	1.666	64	13543	20.367	ug/l	96
7) Trichlorofluoromethane	1.874	101	36454	19.102	ug/l	98
8) Diethyl Ether	2.130	74	12684	16.992	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23673	21.591	ug/l	98
10) Methyl Iodide	2.441	142	26414	19.277	ug/l	96
11) Tert butyl alcohol	2.983	59	23416	82.384	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21823	18.826	ug/l	94
13) Acrolein	2.233	56	17293	52.632	ug/l	97
14) Allyl chloride	2.654	41	41884	20.298	ug/l	96
15) Acrylonitrile	3.062	53	80049	105.082	ug/l	99
16) Acetone	2.386	43	71160	102.209	ug/l	98
17) Carbon Disulfide	2.502	76	46834	15.169	ug/l	98
18) Methyl Acetate	2.703	43	44122	26.343	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	79261	20.380	ug/l	96
20) Methylene Chloride	2.782	84	26965	19.552	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21732	18.976	ug/l	95
22) Diisopropyl ether	3.763	45	84886	20.228	ug/l	91
23) Vinyl Acetate	3.721	43	349536	99.810	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46978	19.975	ug/l	99
25) 2-Butanone	4.562	43	113246	108.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31743	28.775	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	28042	19.836	ug/l	92
28) Bromochloromethane	4.891	49	20825	18.577	ug/l	100
29) Tetrahydrofuran	5.013	42	70666	100.410	ug/l	99
30) Chloroform	5.086	83	49636	21.241	ug/l	94
31) Cyclohexane	5.458	56	38216	18.719	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	39741	21.056	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29925	19.369	ug/l	98
37) Ethyl Acetate	4.721	43	41357	20.774	ug/l	100
38) Carbon Tetrachloride	5.672	117	33150	21.134	ug/l	92
39) Methylcyclohexane	7.379	83	36558	19.747	ug/l	98
40) Benzene	6.031	78	98693	20.229	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23443	21.777	ug/l		98
42) 1,2-Dichloroethane	6.080	62	38946	22.168	ug/l		98
43) Isopropyl Acetate	6.342	43	62089	21.091	ug/l		98
44) Trichloroethene	7.129	130	22383	19.539	ug/l		98
45) 1,2-Dichloropropane	7.427	63	25785	20.556	ug/l		96
46) Dibromomethane	7.580	93	19014	21.446	ug/l		96
47) Bromodichloromethane	7.818	83	36869	21.200	ug/l		99
48) Methyl methacrylate	7.690	41	31795	21.528	ug/l		96
49) 1,4-Dioxane	7.665	88	11649	373.915	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	222348	112.487	ug/l		99
52) Toluene	8.714	92	59792	20.888	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30322	20.856	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	36016	21.244	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	25471	21.615	ug/l		99
56) Ethyl methacrylate	9.116	69	38614	21.557	ug/l		96
57) 1,3-Dichloropropane	9.305	76	42984	21.077	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	84877	97.136	ug/l		99
59) 2-Hexanone	9.427	43	161205	112.560	ug/l		98
60) Dibromochloromethane	9.519	129	26339	21.377	ug/l		98
61) 1,2-Dibromoethane	9.610	107	25179	21.403	ug/l		97
64) Tetrachloroethene	9.269	164	19550	20.418	ug/l		99
65) Chlorobenzene	10.079	112	64649	20.437	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21858	20.749	ug/l		97
67) Ethyl Benzene	10.189	91	112693	20.445	ug/l		99
68) m/p-Xylenes	10.299	106	85116	42.183	ug/l		99
69) o-Xylene	10.640	106	42125	20.699	ug/l		98
70) Styrene	10.652	104	68782	20.888	ug/l		97
71) Bromoform	10.799	173	16337	20.565	ug/l	#	99
73) Isopropylbenzene	10.963	105	110486	21.707	ug/l		99
74) N-amyl acetate	10.841	43	50145	20.996	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	39901	21.363	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32167m	21.194	ug/l		
77) Bromobenzene	11.195	156	24928	20.758	ug/l		96
78) n-propylbenzene	11.299	91	126518	22.004	ug/l		98
79) 2-Chlorotoluene	11.360	91	78311	21.386	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	91263	22.175	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	9225	20.800	ug/l	#	84
82) 4-Chlorotoluene	11.451	91	86685	21.721	ug/l		100
83) tert-Butylbenzene	11.713	119	91062	21.535	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	89517	21.617	ug/l		100
85) sec-Butylbenzene	11.890	105	113963	22.499	ug/l		99
86) p-Isopropyltoluene	12.006	119	90559	22.123	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	44674	20.853	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44289	20.434	ug/l		98
89) n-Butylbenzene	12.329	91	76819	21.789	ug/l		99
90) Hexachloroethane	12.536	117	15824	21.372	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	45440	21.144	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7923	21.774	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	24507	20.027	ug/l		99
94) Hexachlorobutadiene	13.725	225	10883	21.692	ug/l		98
95) Naphthalene	13.774	128	94184	20.032	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25568	19.806	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

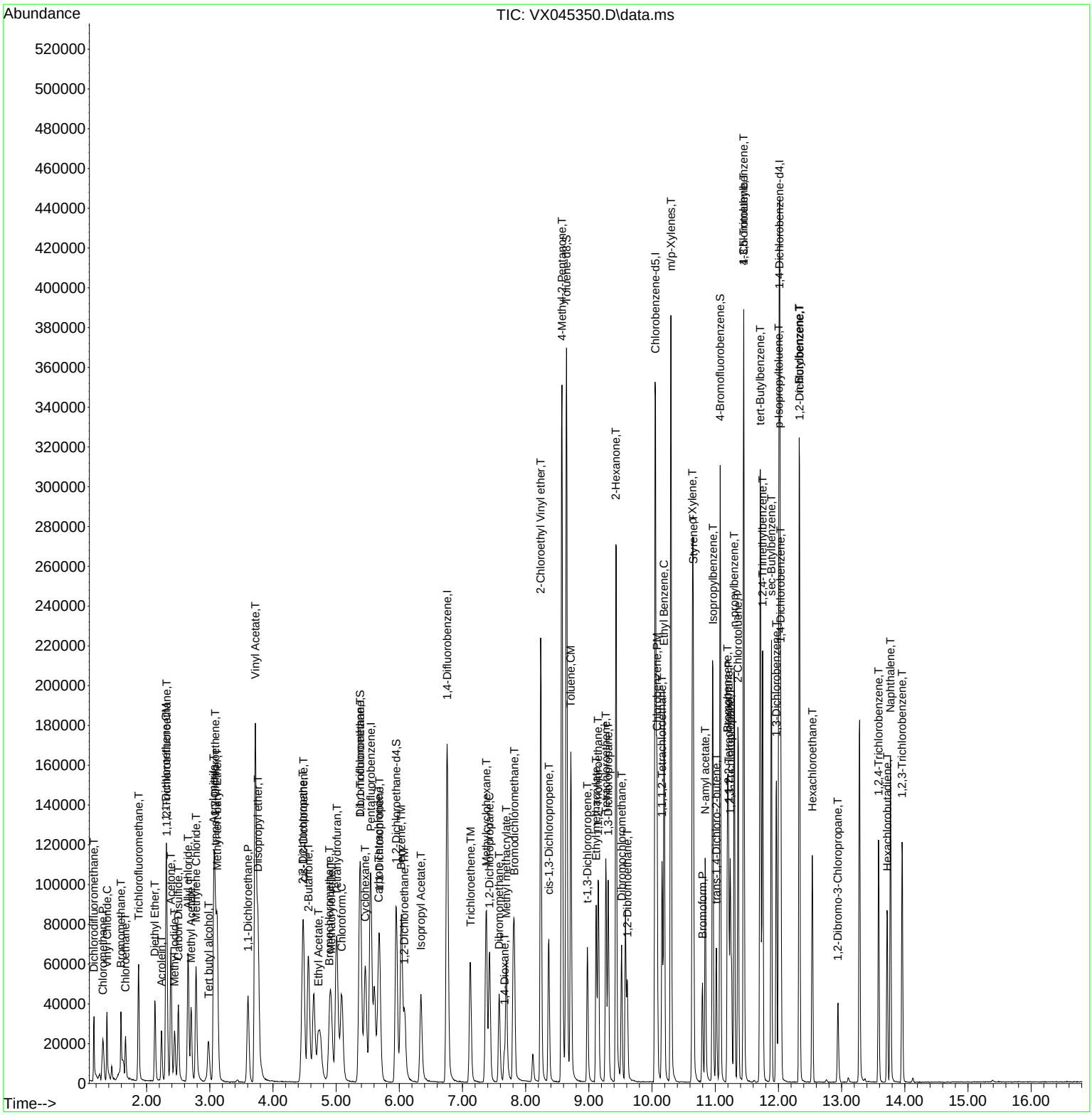
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

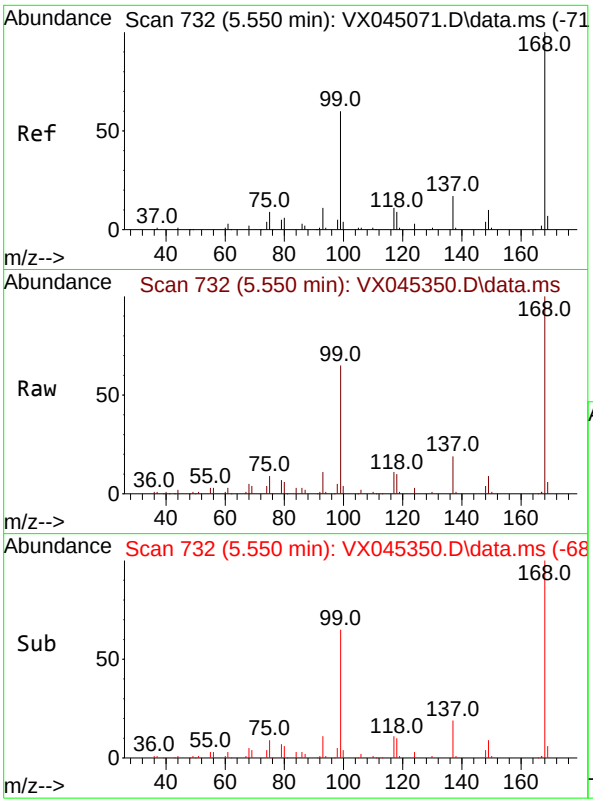
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

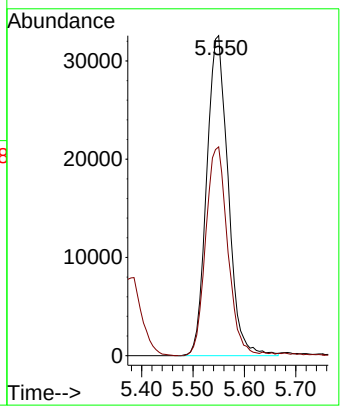




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:168 Resp: 9433

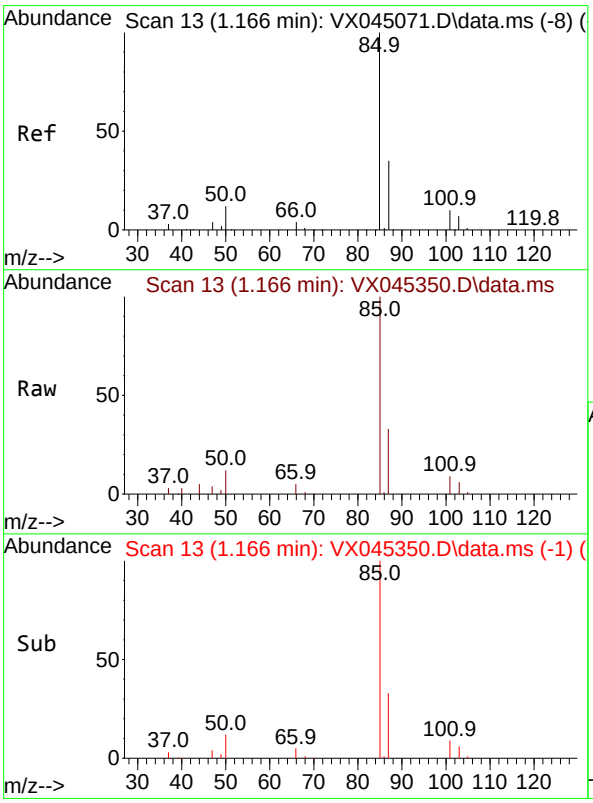
Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

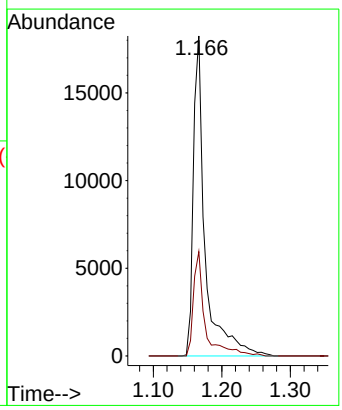
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

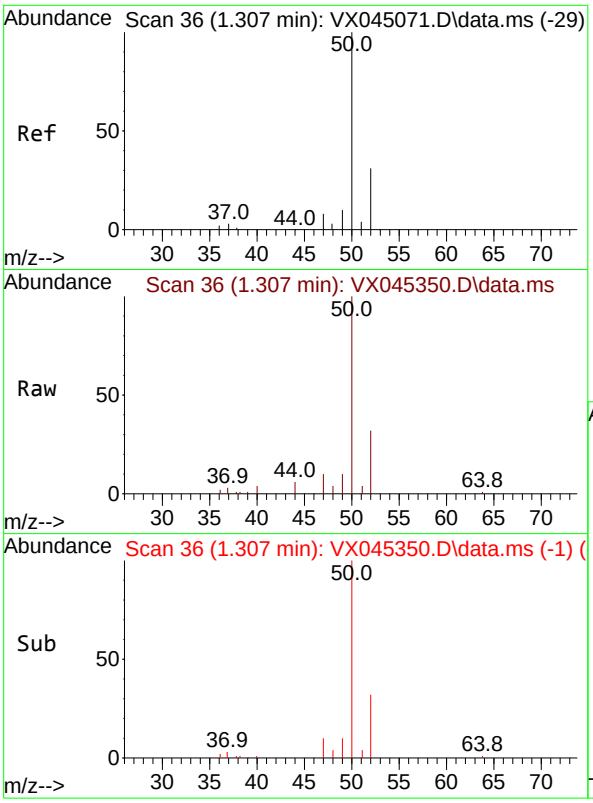


#2
Dichlorodifluoromethane
Concen: 18.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 85 Resp: 21766

Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.4	52.3

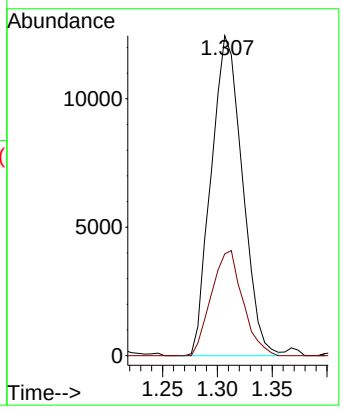




#3
Chloromethane
Concen: 16.997 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 50 Resp: 2470

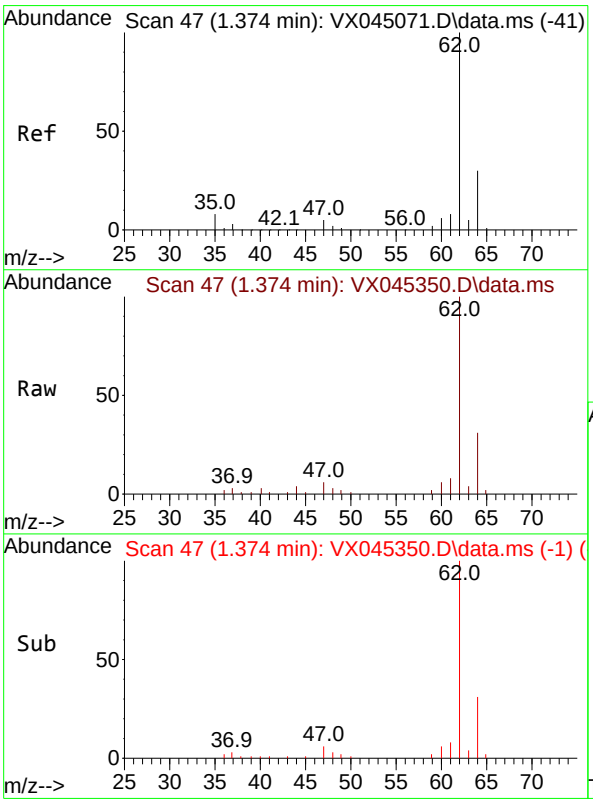
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

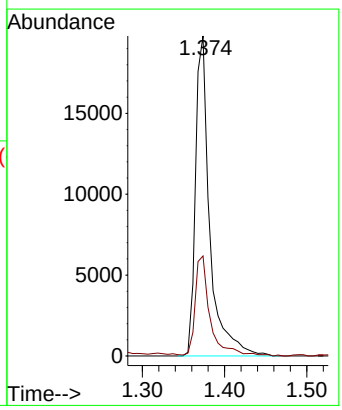
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

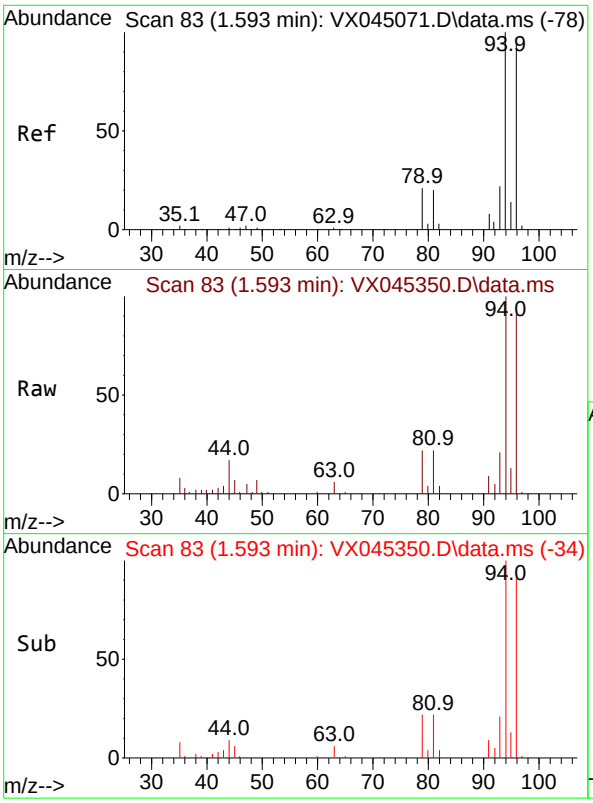


#4
Vinyl Chloride
Concen: 16.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 23778

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.3	36.5

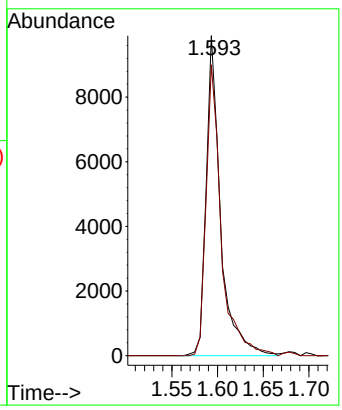




#5
Bromomethane
Concen: 19.068 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 94 Resp: 1080

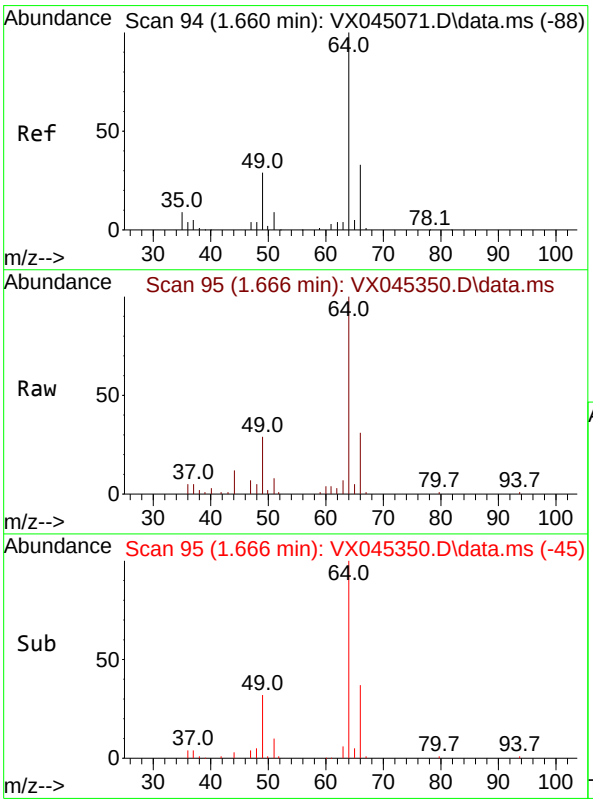
Ion	Ratio	Lower	Upper
94	100		
96	90.9	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

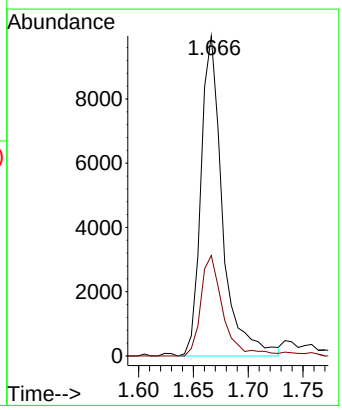
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

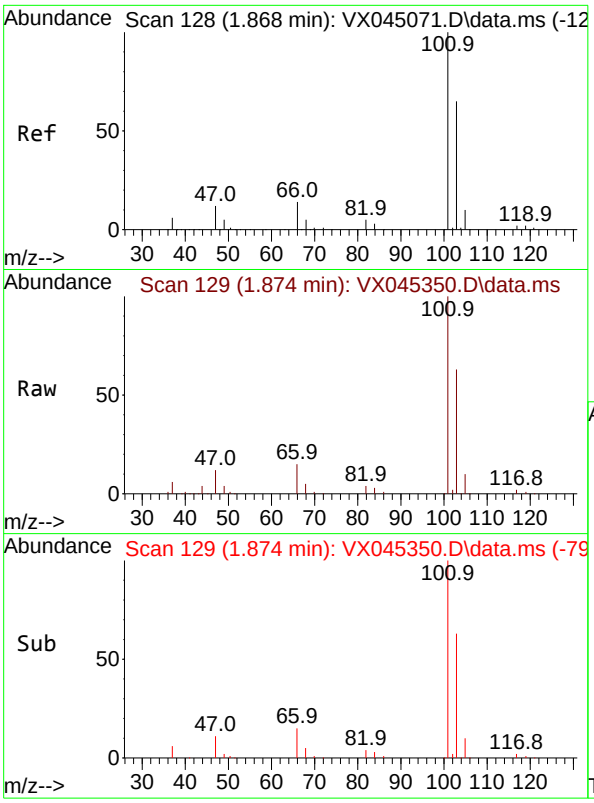


#6
Chloroethane
Concen: 20.367 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 64 Resp: 13543

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1

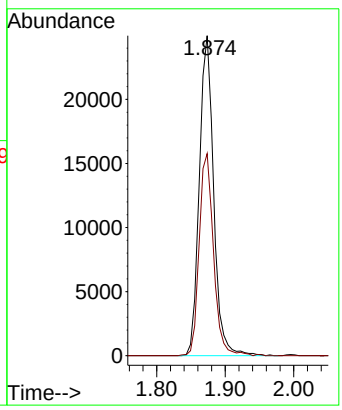




#7
Trichlorofluoromethane
Concen: 19.102 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:101 Resp: 3645

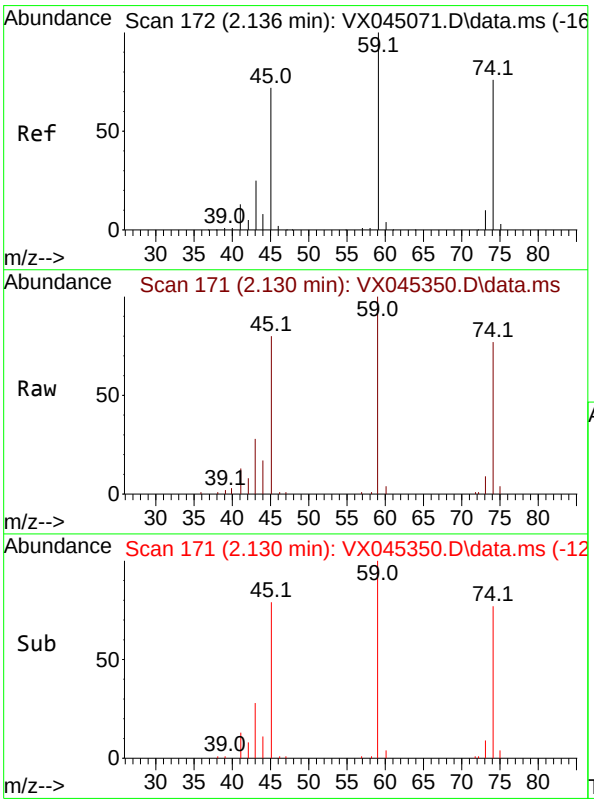
Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

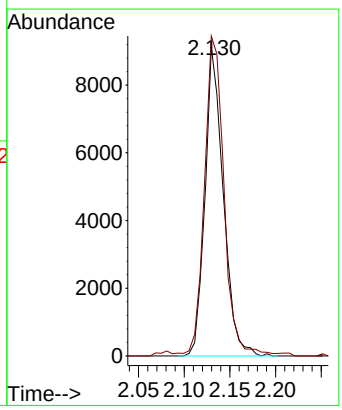
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

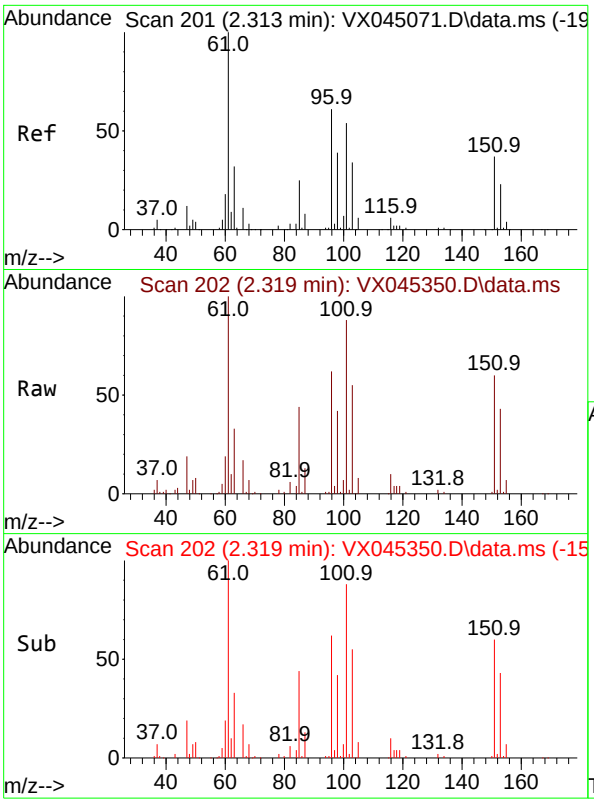


#8
Diethyl Ether
Concen: 16.992 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 74 Resp: 12684

Ion	Ratio	Lower	Upper
74	100		
45	110.9	51.5	154.5

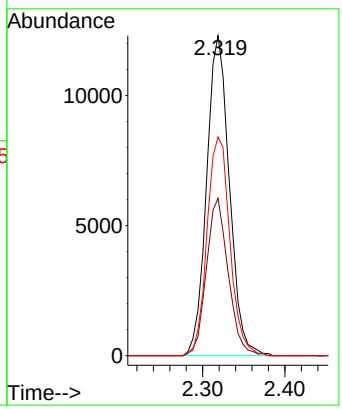




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.591 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:101 Resp: 2367

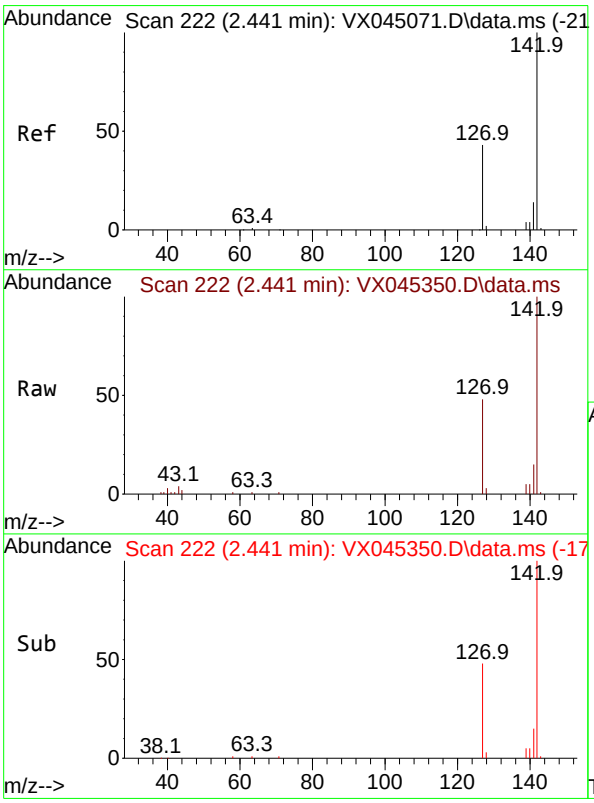
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	68.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

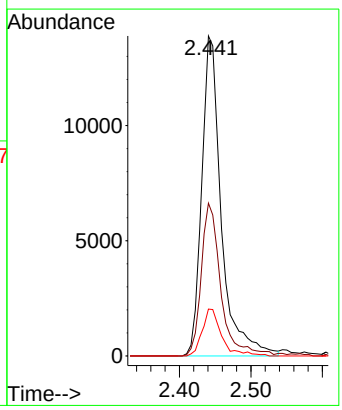
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

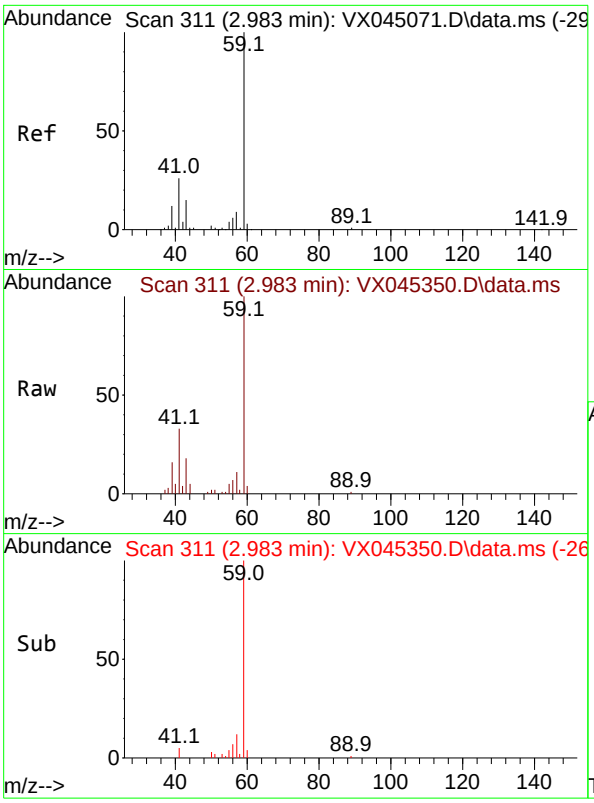


#10
Methyl Iodide
Concen: 19.277 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:142 Resp: 26414

Ion	Ratio	Lower	Upper
142	100		
127	48.0	35.4	53.2
141	14.6	11.6	17.4

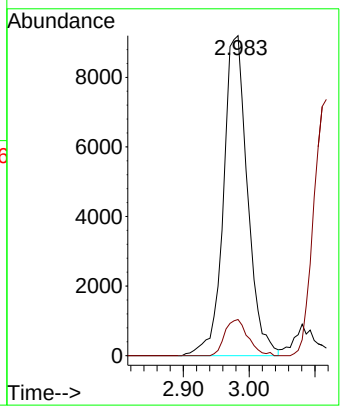




#11
Tert butyl alcohol
Concen: 82.384 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 59 Resp: 2341

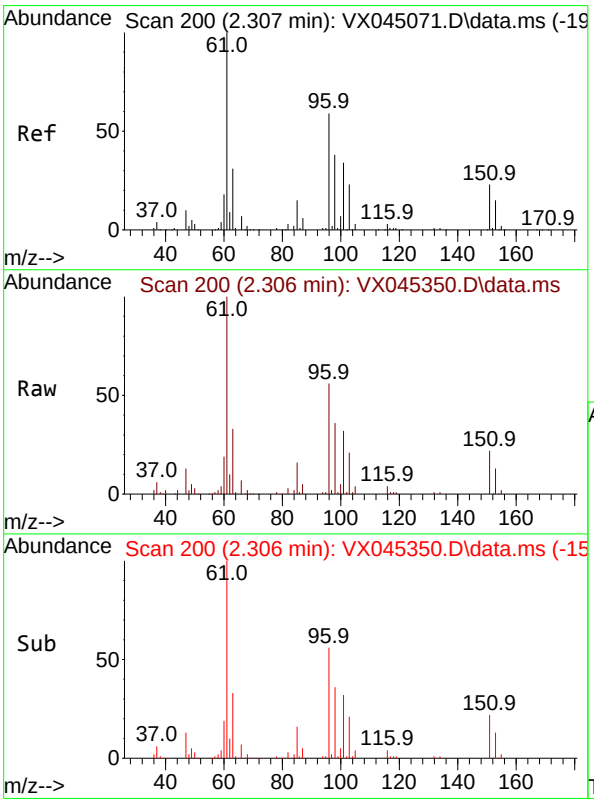
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

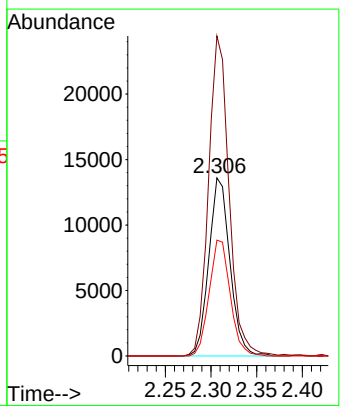
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

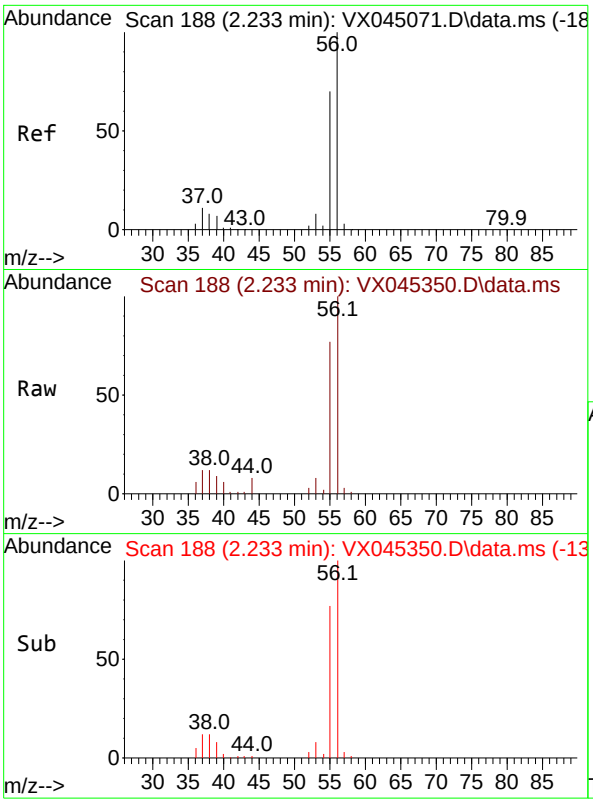


#12
1,1-Dichloroethene
Concen: 18.826 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 21823

Ion	Ratio	Lower	Upper
96	100		
61	179.6	134.6	202.0
98	65.0	51.0	76.6

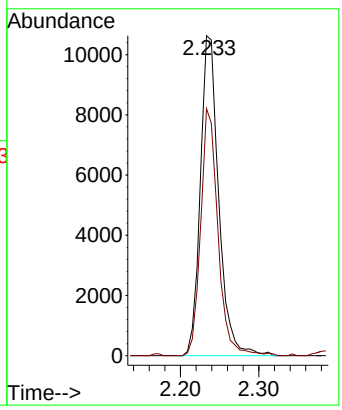




#13
Acrolein
Concen: 52.632 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 56 Resp: 1729

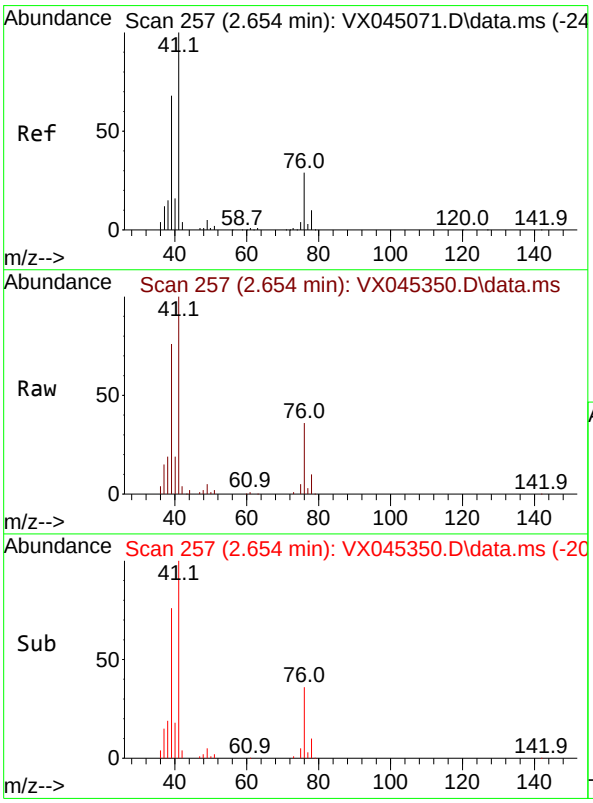
Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

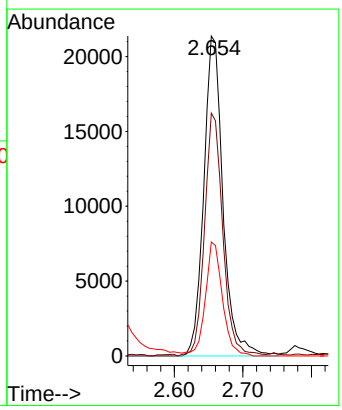
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

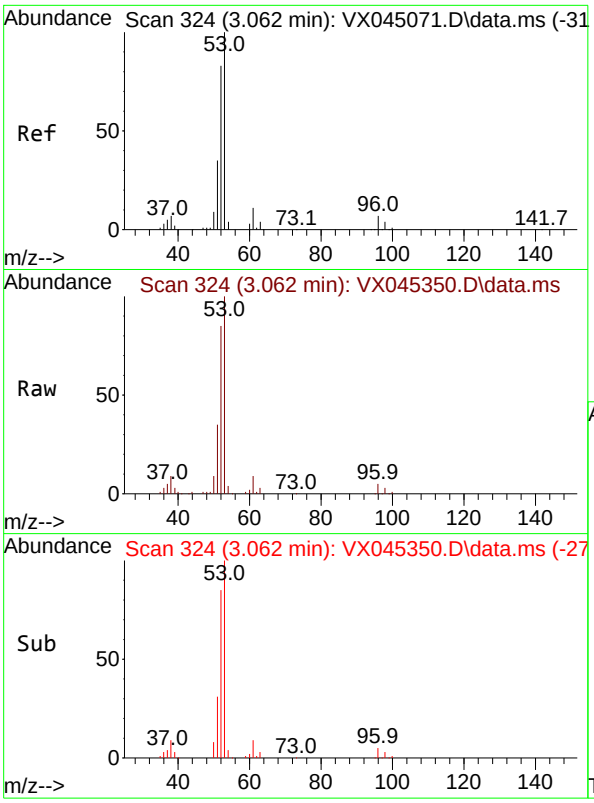


#14
Allyl chloride
Concen: 20.298 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 41884

Ion	Ratio	Lower	Upper
41	100		
39	71.6	53.8	80.8
76	31.7	25.2	37.8

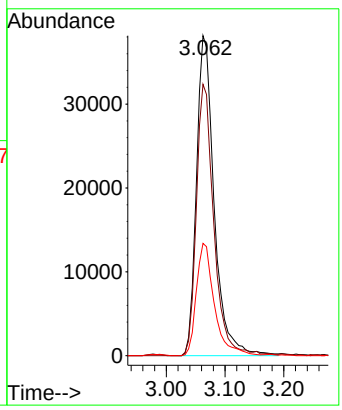




#15
Acrylonitrile
Concen: 105.082 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 53 Resp: 8004

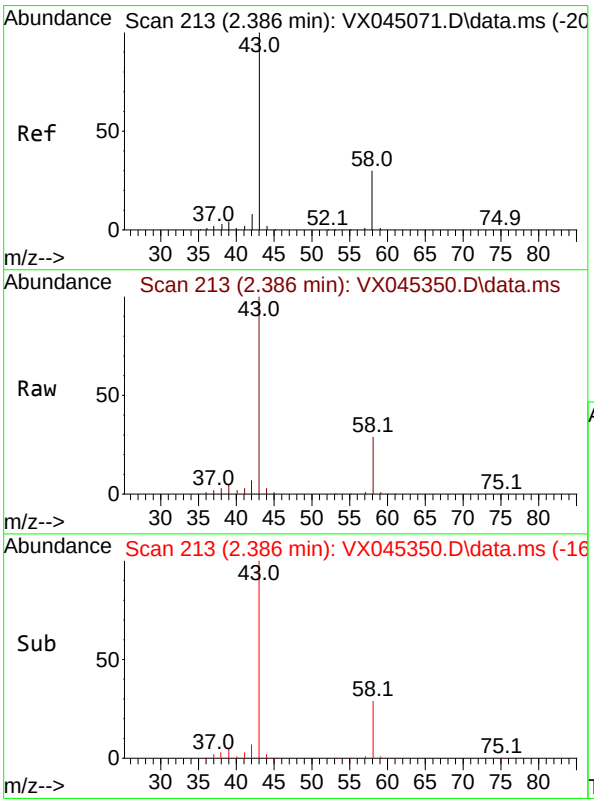
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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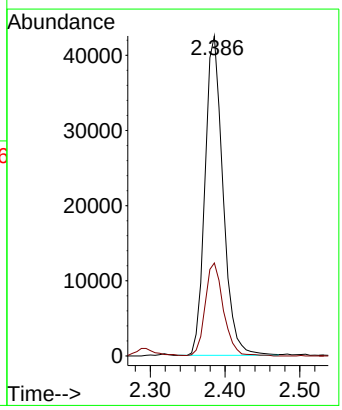
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

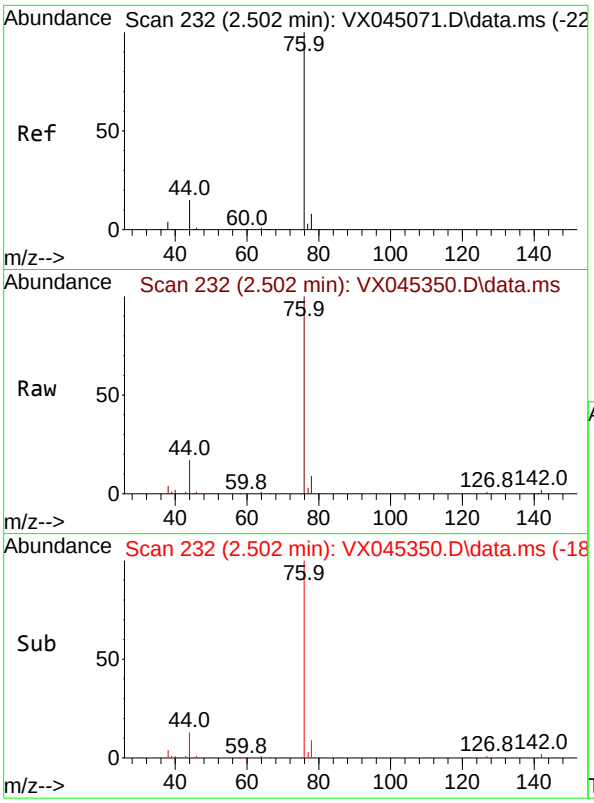


#16
Acetone
Concen: 102.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 71160

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.2	36.4

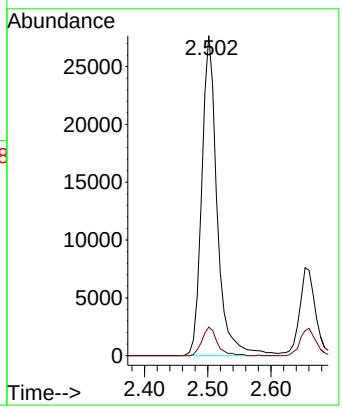




#17
Carbon Disulfide
Concen: 15.169 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 76 Resp: 4683

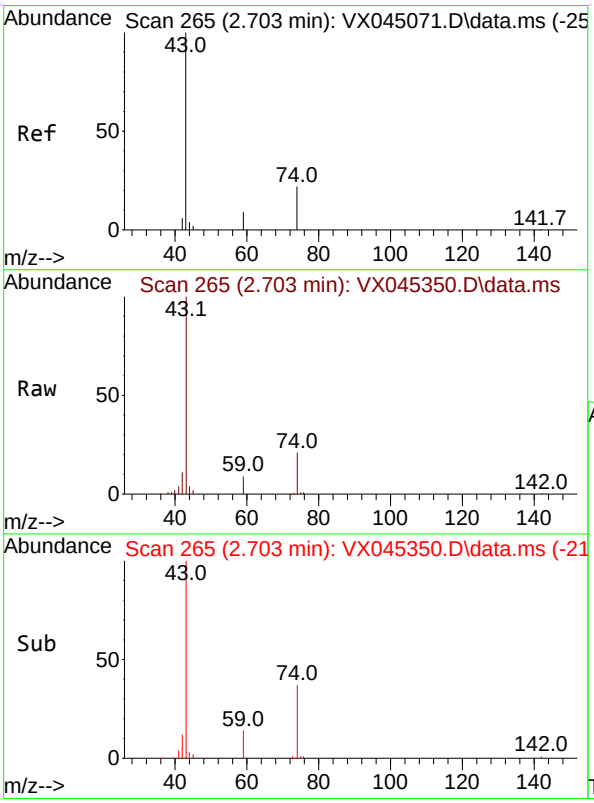
Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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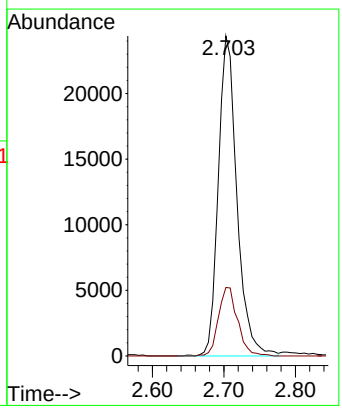
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

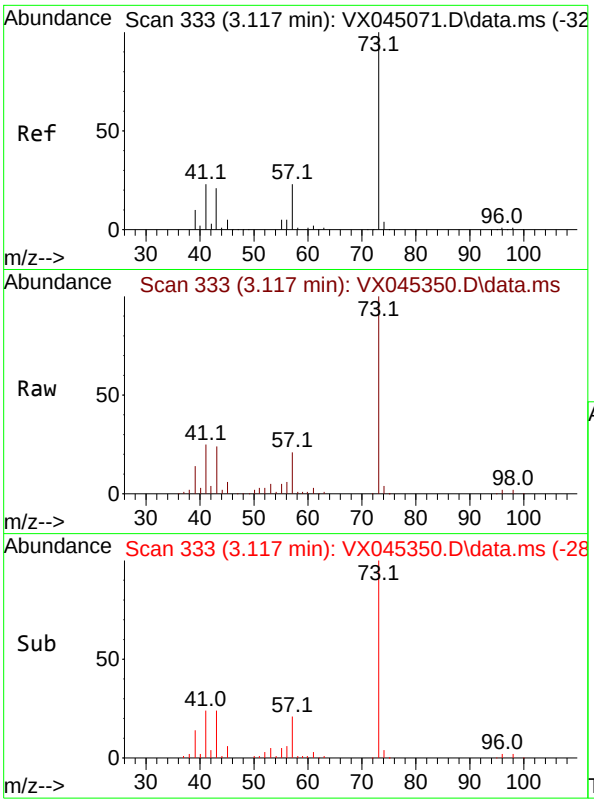


#18
Methyl Acetate
Concen: 26.343 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 44122

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

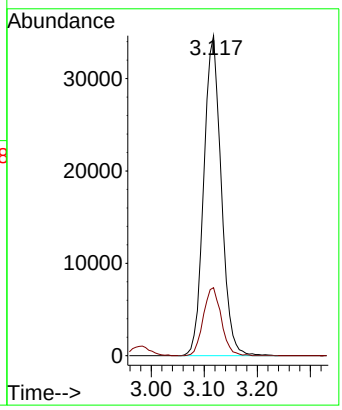




#19
Methyl tert-butyl Ether
Concen: 20.380 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 73 Resp: 7926

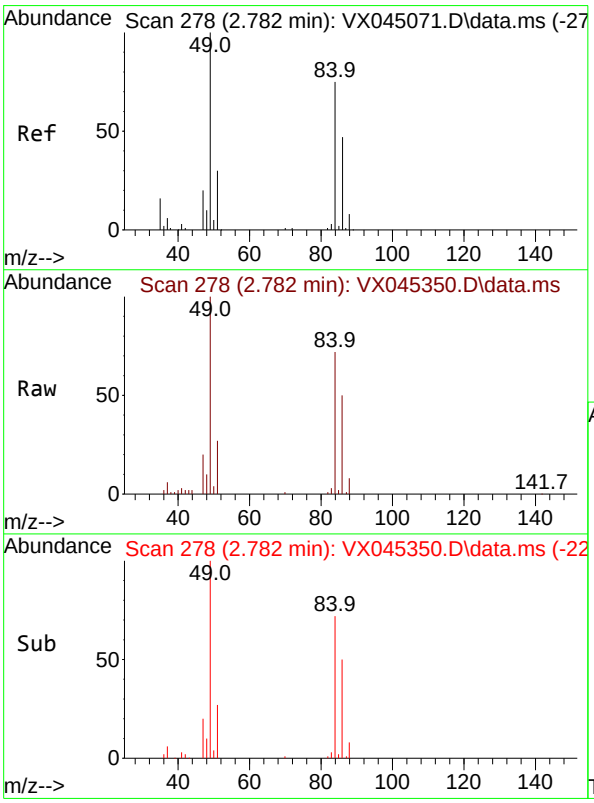
Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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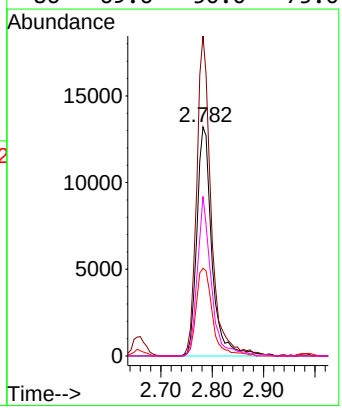
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

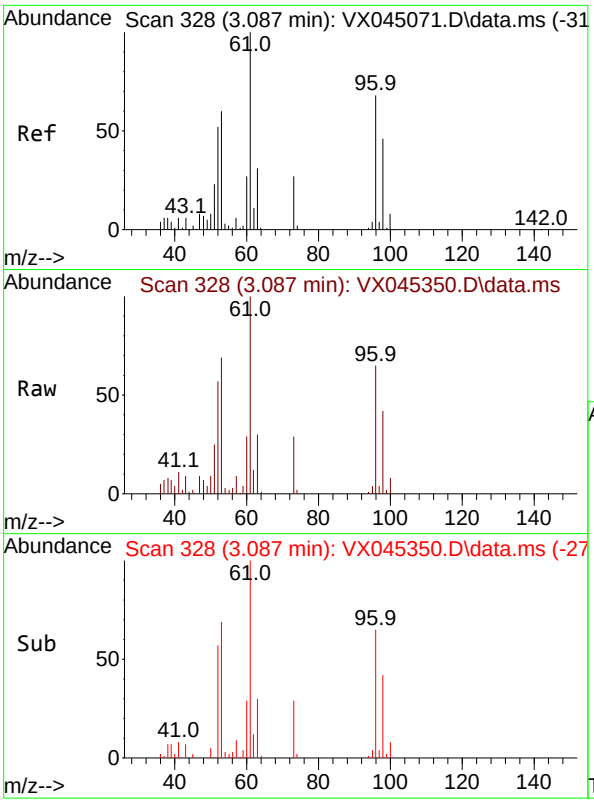


#20
Methylene Chloride
Concen: 19.552 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 84 Resp: 26965

Ion	Ratio	Lower	Upper
84	100		
49	139.7	106.5	159.7
51	38.3	32.1	48.1
86	69.6	50.0	75.0

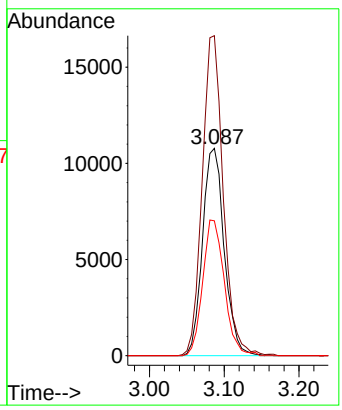




#21
trans-1,2-Dichloroethene
Concen: 18.976 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 2173

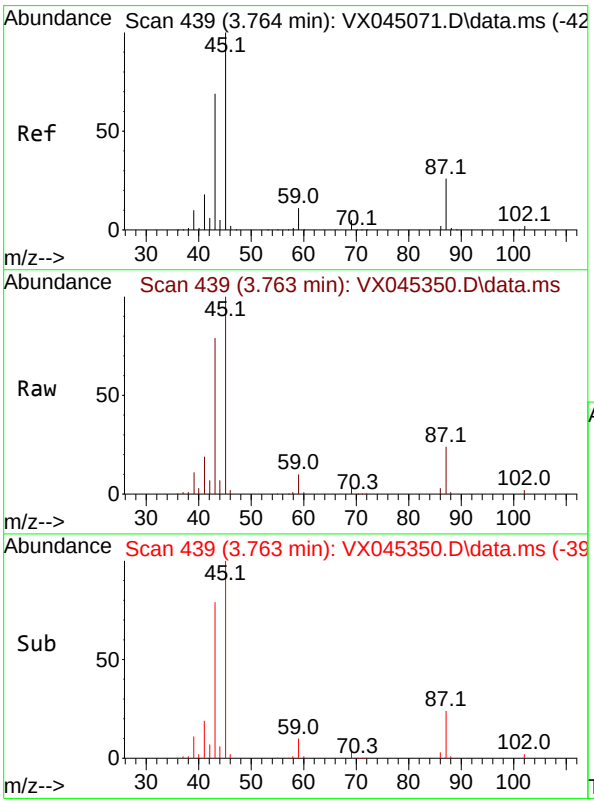
Ion	Ratio	Lower	Upper
96	100		
61	154.4	117.0	175.4
98	65.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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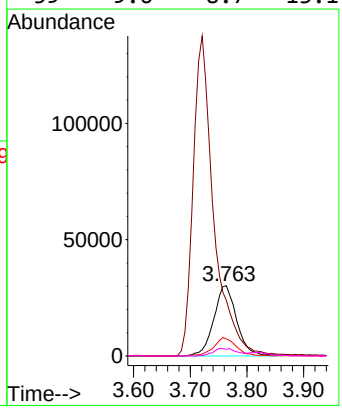
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

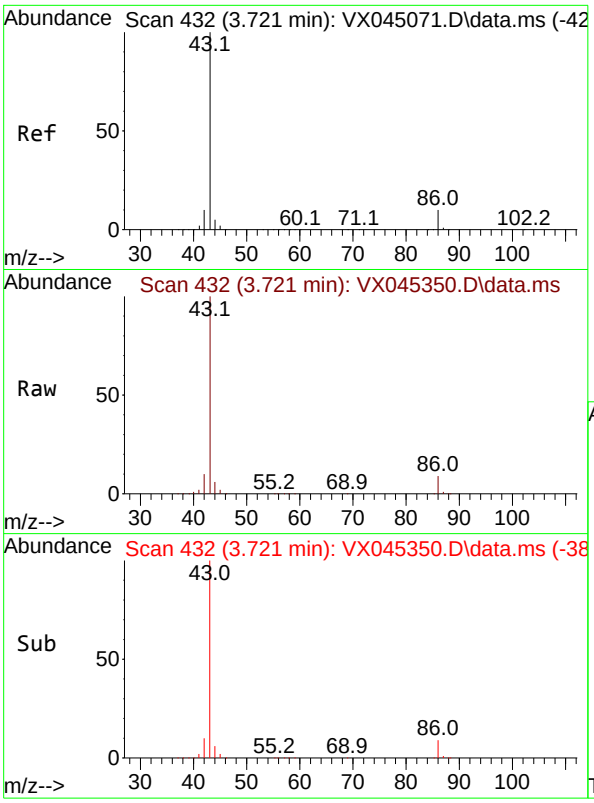


#22
Diisopropyl ether
Concen: 20.228 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 45 Resp: 84886

Ion	Ratio	Lower	Upper
45	100		
43	77.8	54.9	82.3
87	24.4	21.0	31.4
59	9.6	8.7	13.1





#23
Vinyl Acetate
Concen: 99.810 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

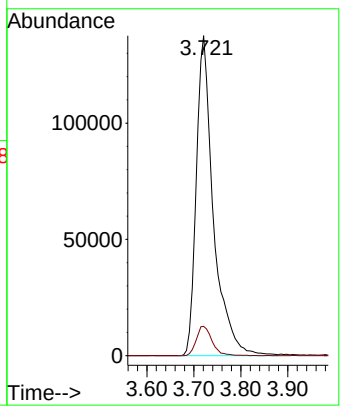
Tgt Ion: 43 Resp: 34953

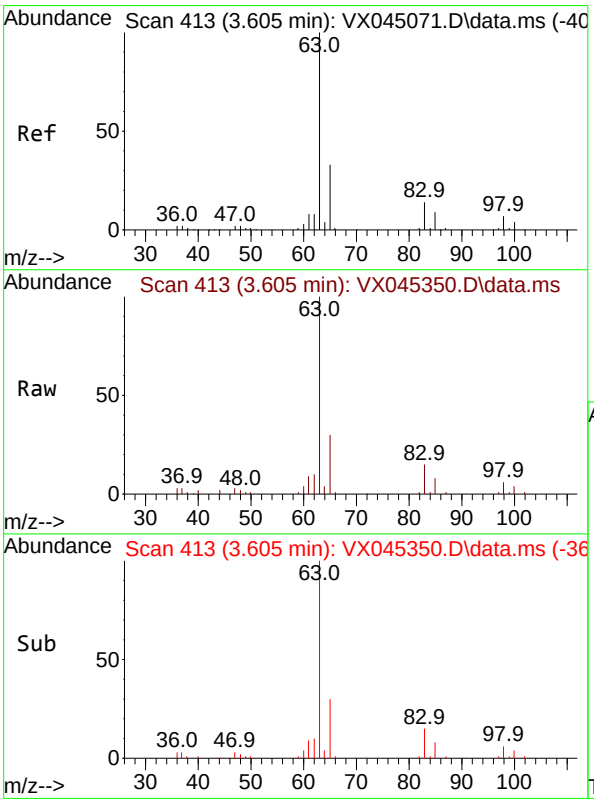
Ion	Ratio	Lower	Upper
43	100		
86	9.2	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

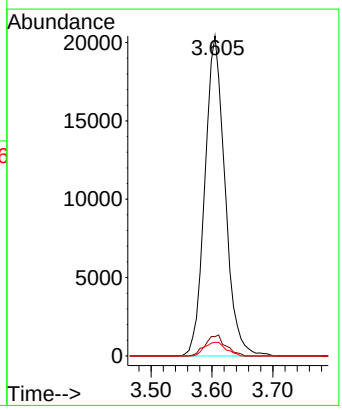


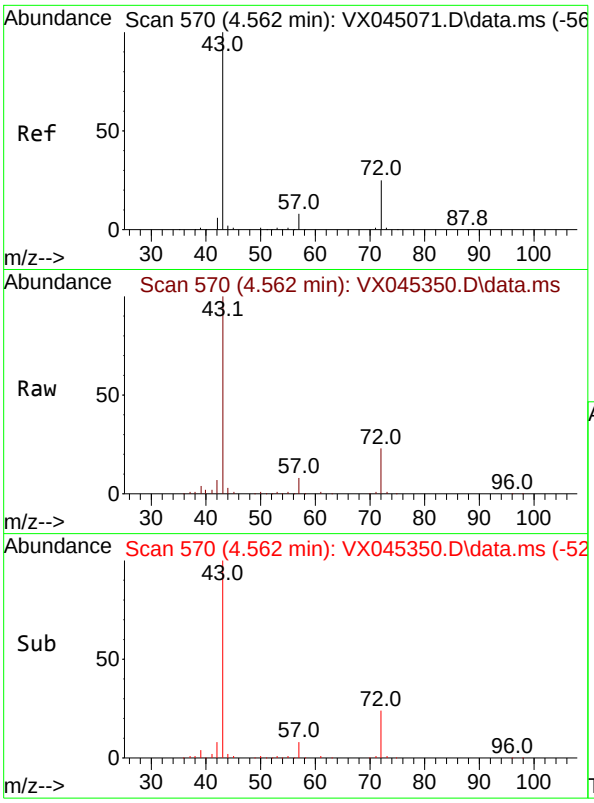


#24
1,1-Dichloroethane
Concen: 19.975 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 46978

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.2
100	4.3	2.1	6.5

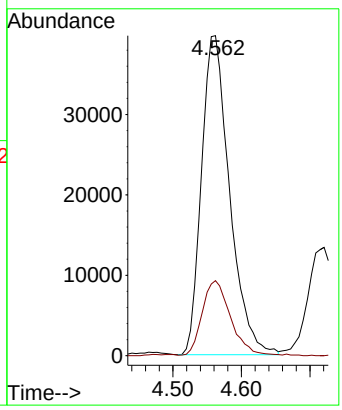




#25
2-Butanone
Concen: 108.061 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 11324

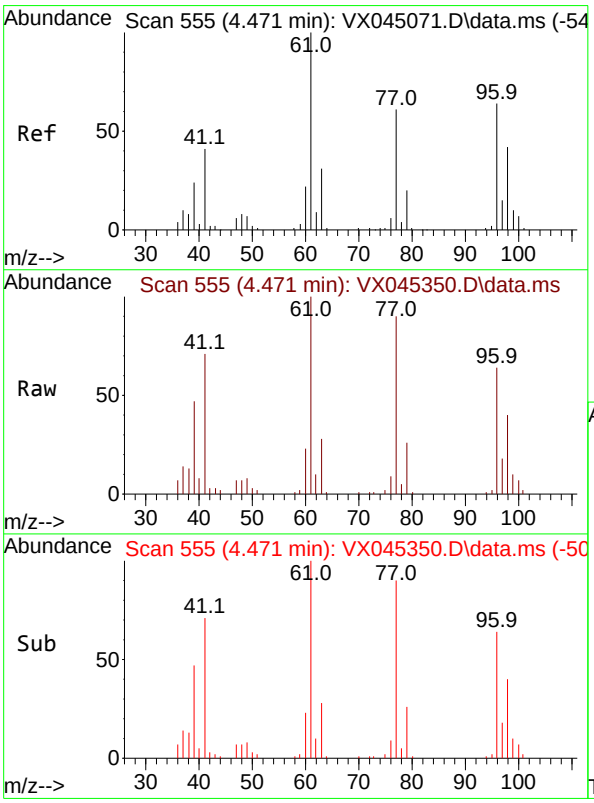
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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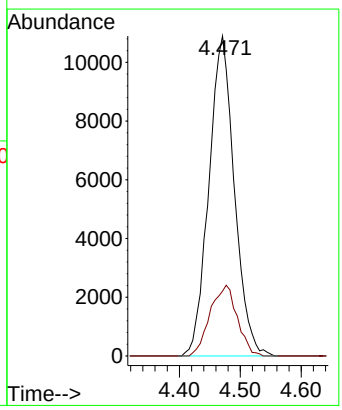
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

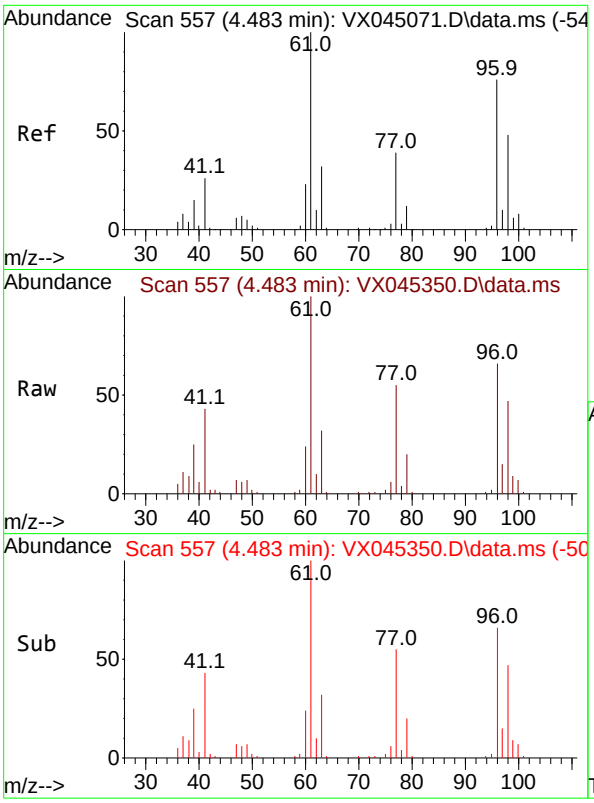


#26
2,2-Dichloropropane
Concen: 28.775 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 77 Resp: 31743

Ion	Ratio	Lower	Upper
77	100		
97	23.5	12.4	37.0

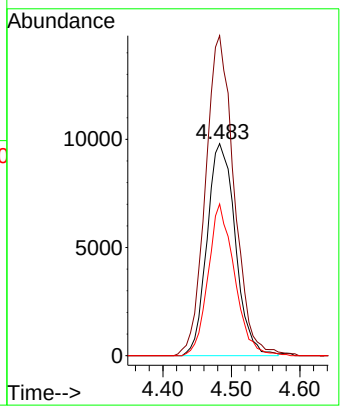




#27
cis-1,2-Dichloroethene
Concen: 19.836 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 2804

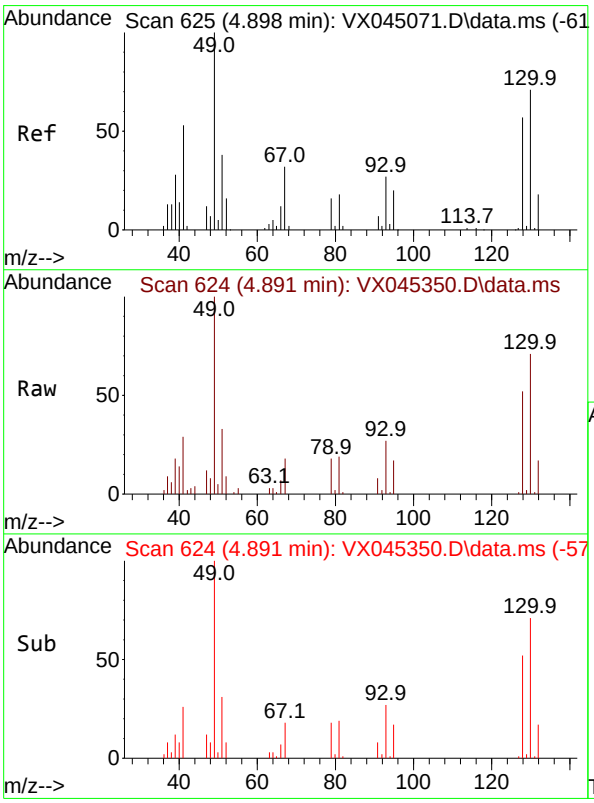
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	66.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

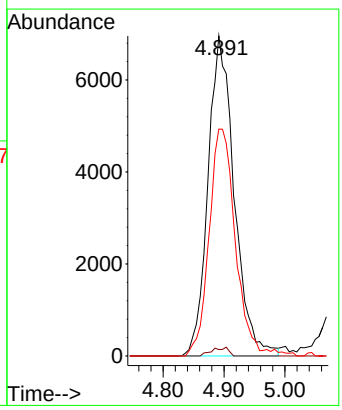
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

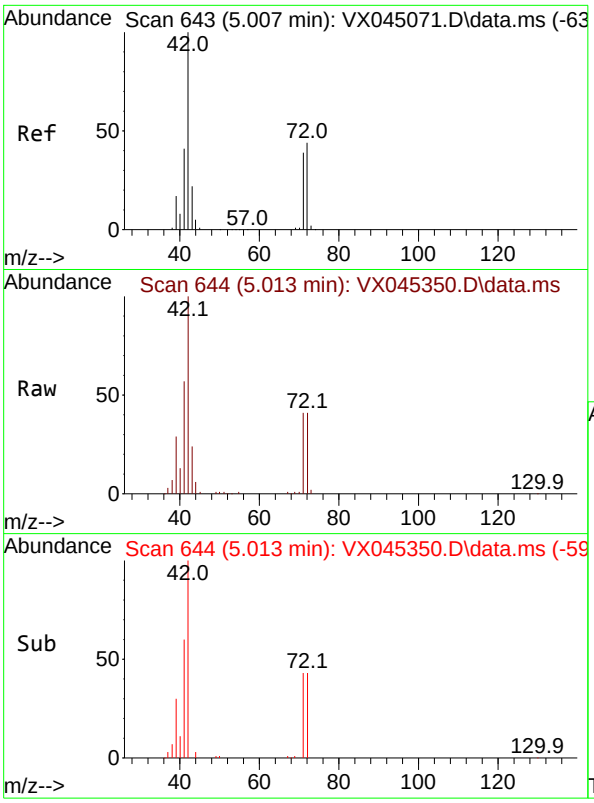


#28
Bromochloromethane
Concen: 18.577 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 49 Resp: 20825

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

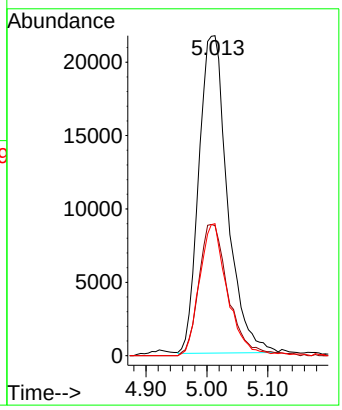




#29
Tetrahydrofuran
Concen: 100.410 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 42 Resp: 7066

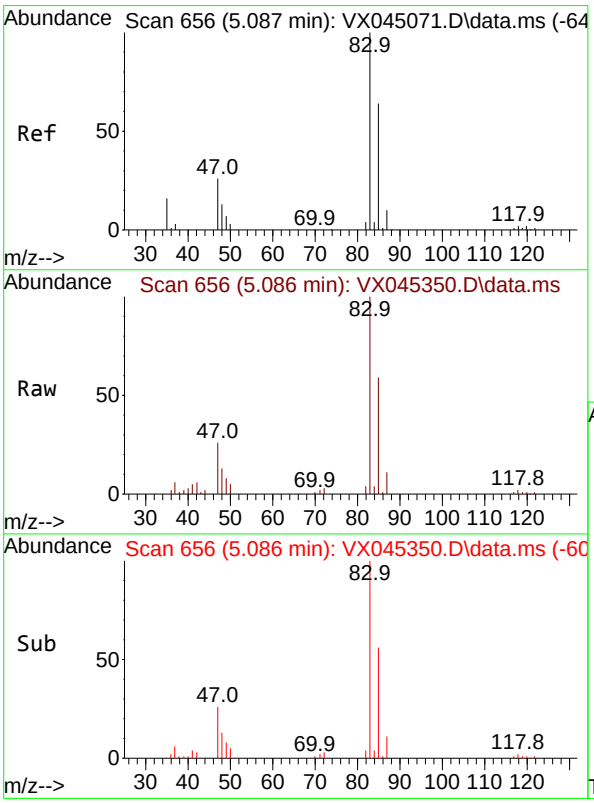
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	40.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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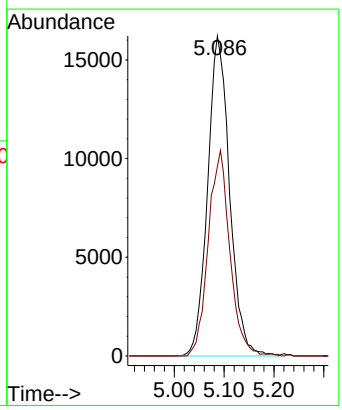
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

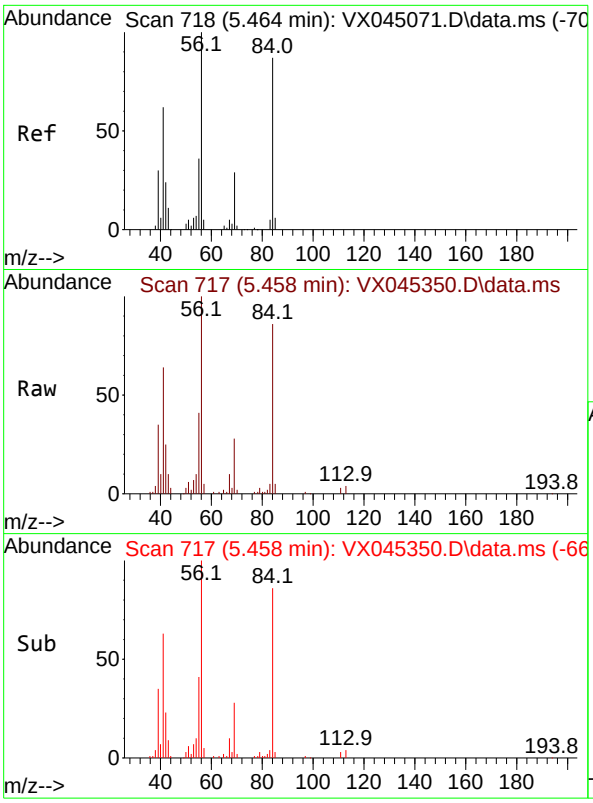


#30
Chloroform
Concen: 21.241 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 49636

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.4	77.2





#31
Cyclohexane
Concen: 18.719 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

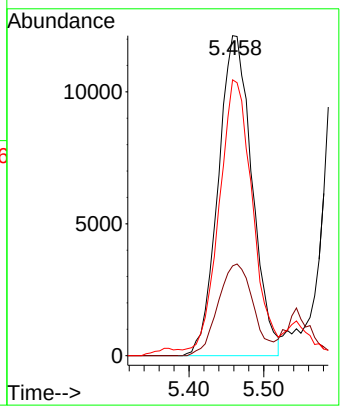
Tgt Ion: 56 Resp: 3821

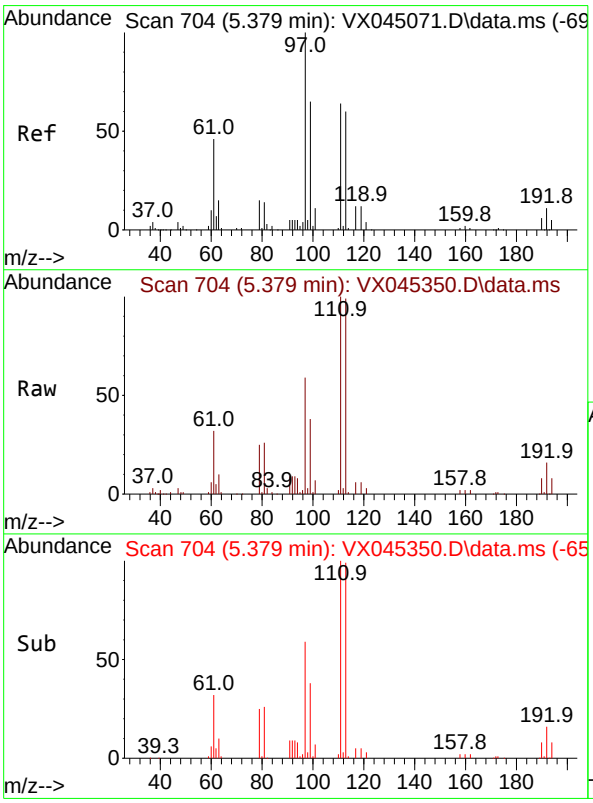
Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.4	35.2
84	84.2	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

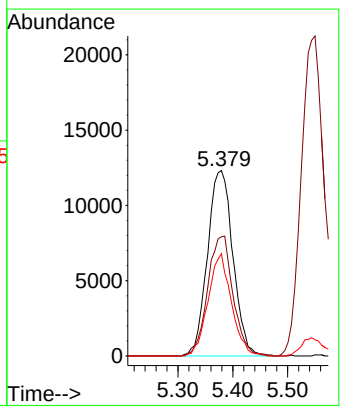


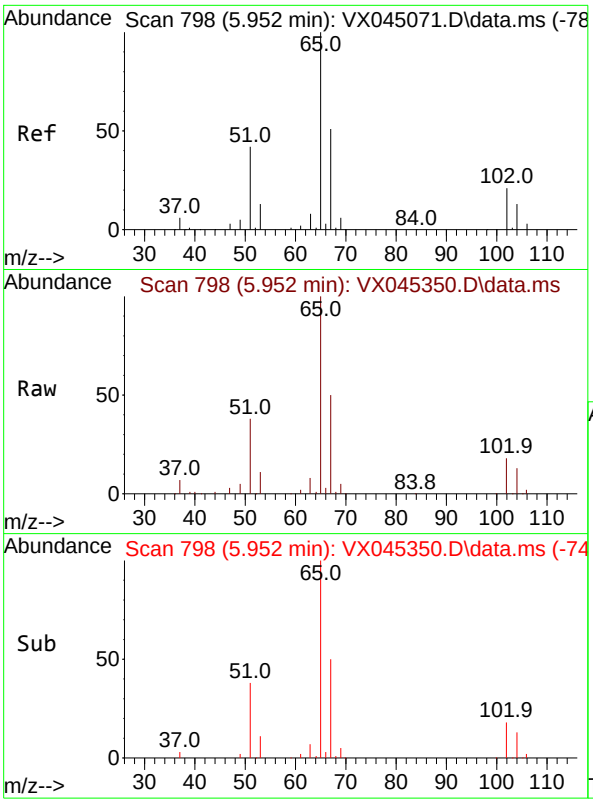


#32
1,1,1-Trichloroethane
Concen: 21.056 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 97 Resp: 39741

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	50.7	38.4	57.6

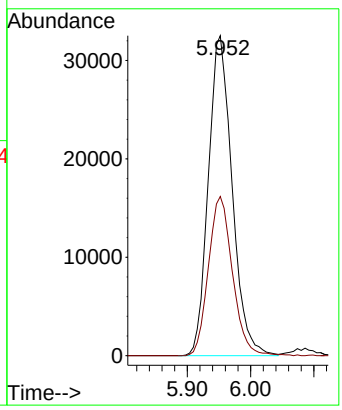




#33
1,2-Dichloroethane-d4
Concen: 56.529 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 65 Resp: 8482

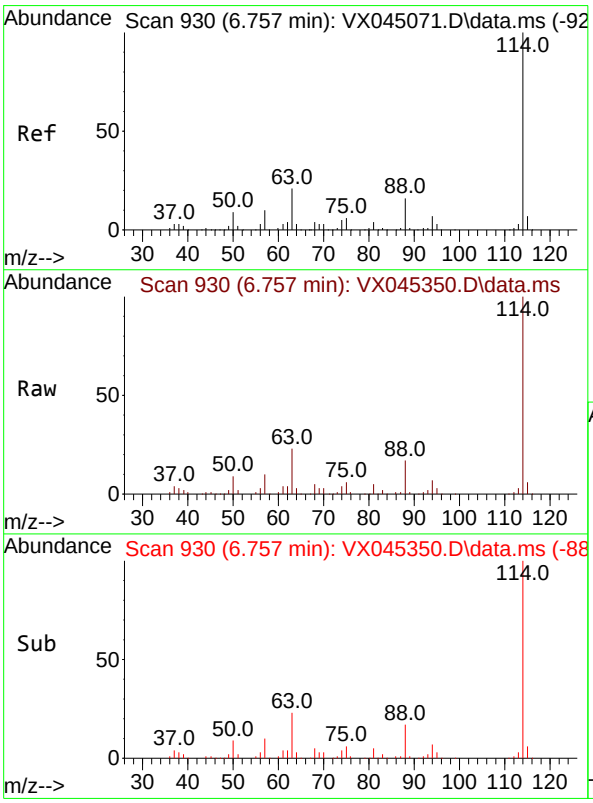
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

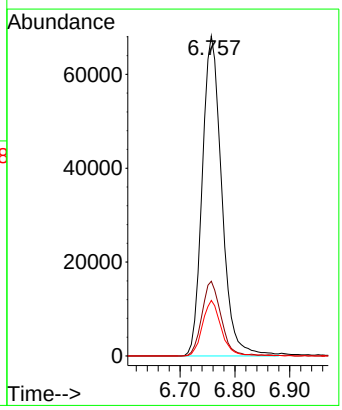
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

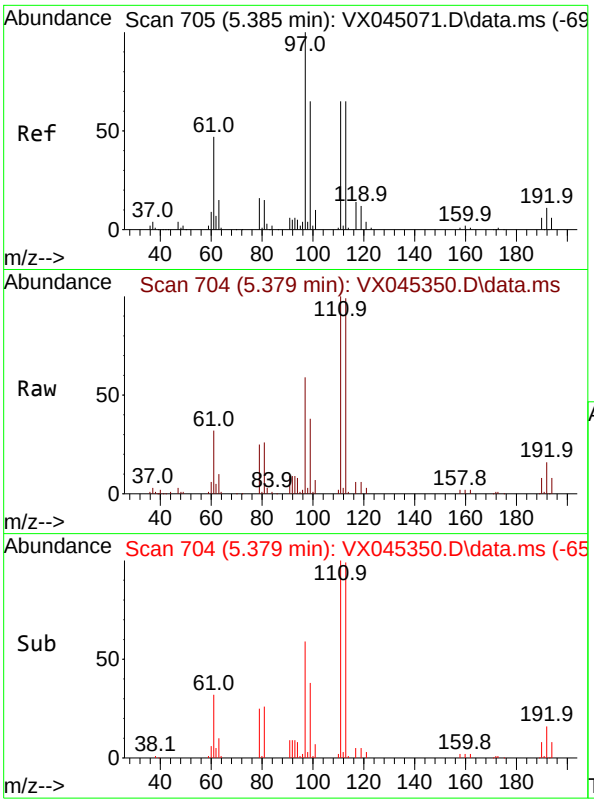


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:114 Resp: 168482

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	17.3	0.0	32.8

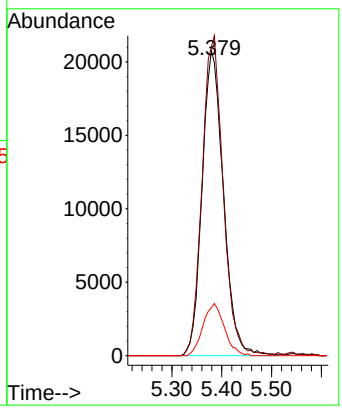




#35
Dibromofluoromethane
Concen: 54.756 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:113 Resp: 6168

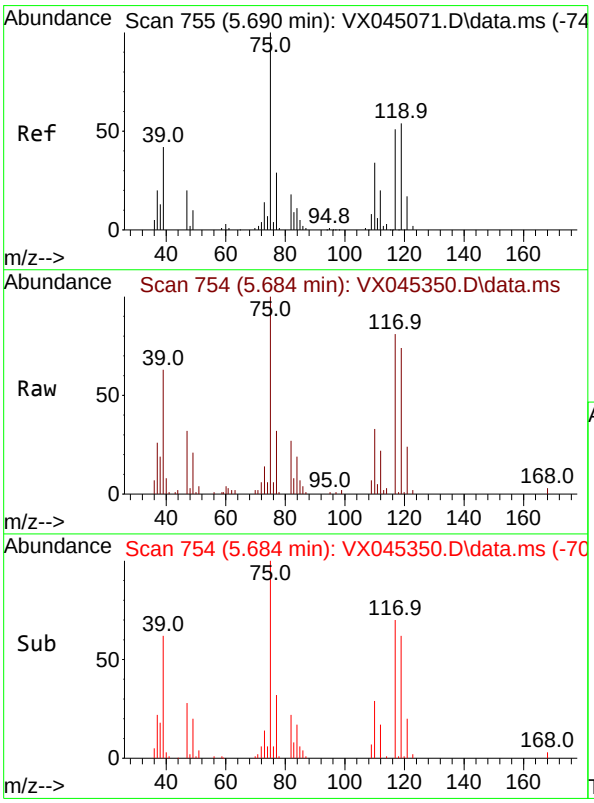
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.1	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

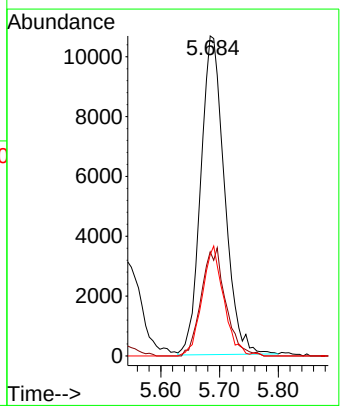
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

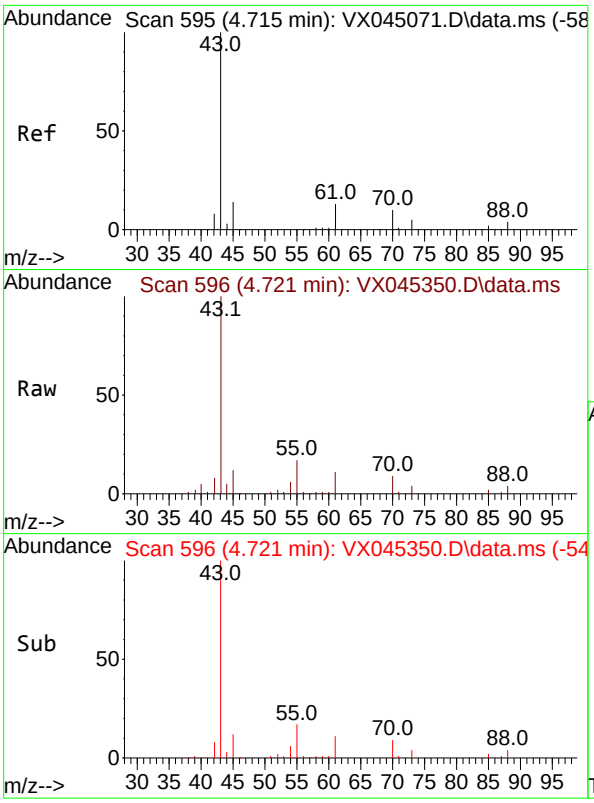


#36
1,1-Dichloropropene
Concen: 19.369 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 29925

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	31.4	24.5	36.7

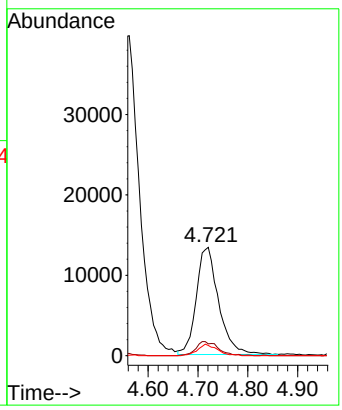




#37
Ethyl Acetate
Concen: 20.774 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 4135

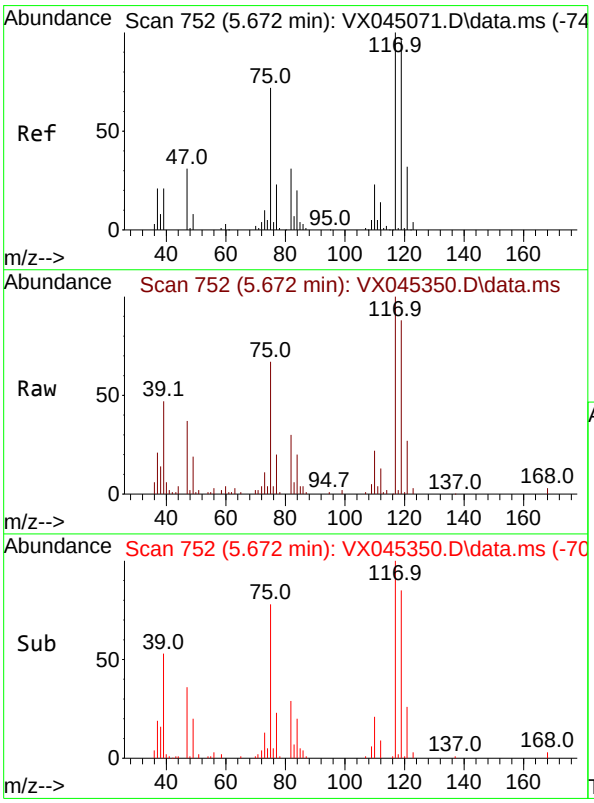
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.4	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

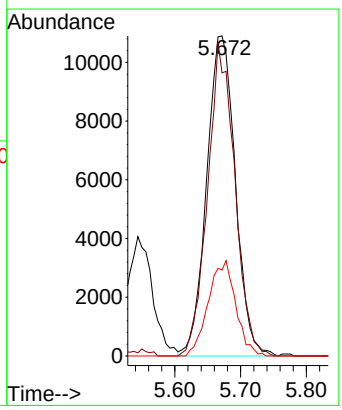
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

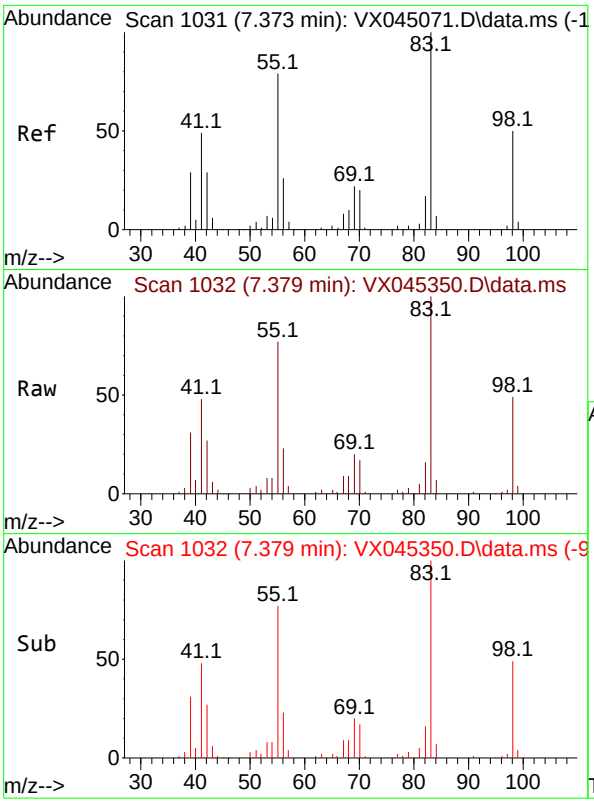


#38
Carbon Tetrachloride
Concen: 21.134 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 33150

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.7	115.1
121	26.9	25.5	38.3

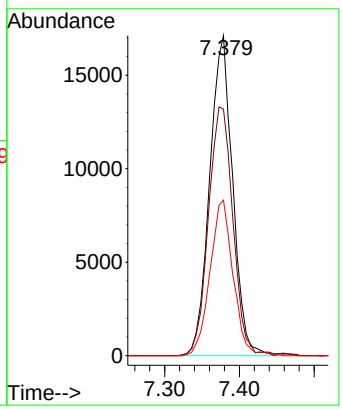




#39
Methylcyclohexane
Concen: 19.747 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 3655

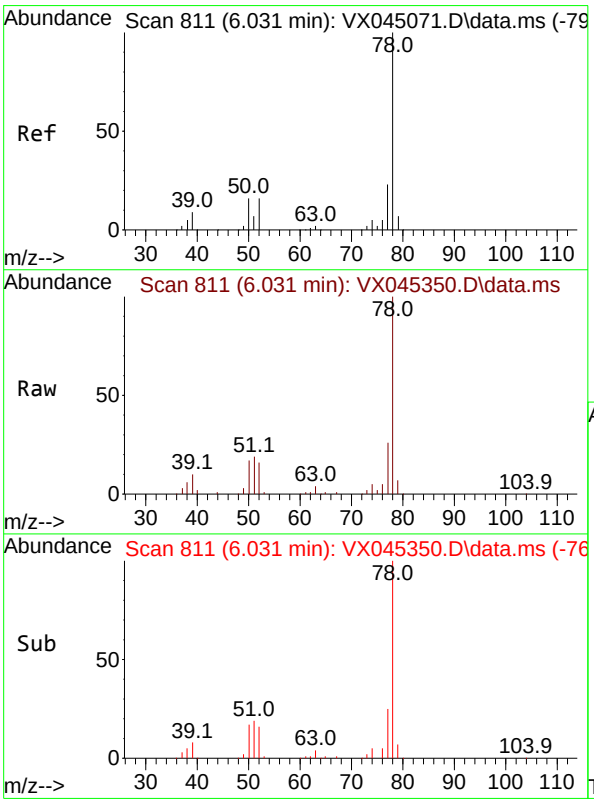
Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.0	94.4
98	48.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

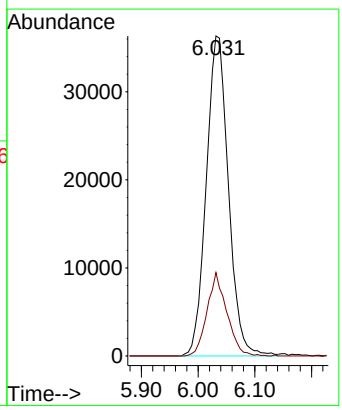
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

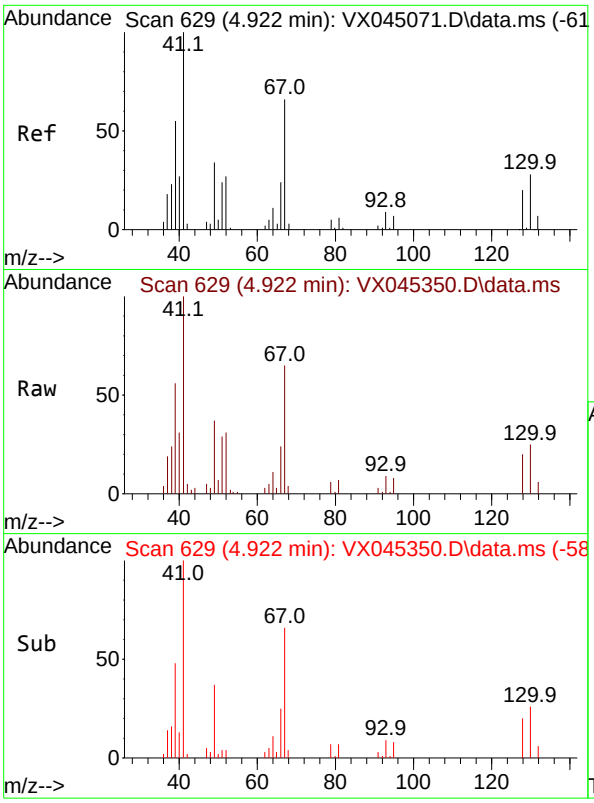


#40
Benzene
Concen: 20.229 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 78 Resp: 98693

Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.8	28.2

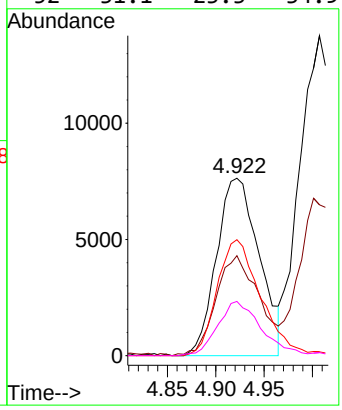




#41
Methacrylonitrile
Concen: 21.777 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 2344

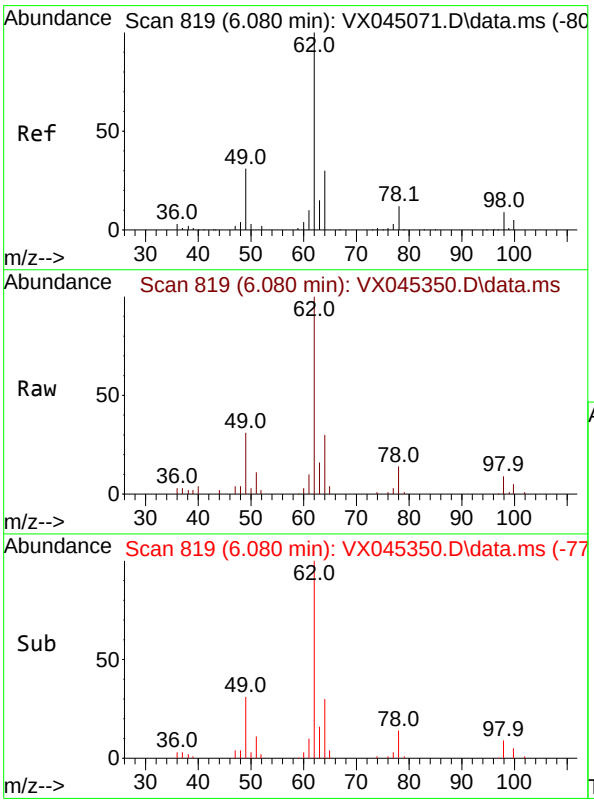
Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.6	67.0
67	67.1	53.9	80.9
52	31.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

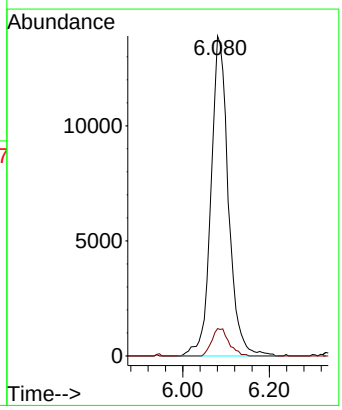
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

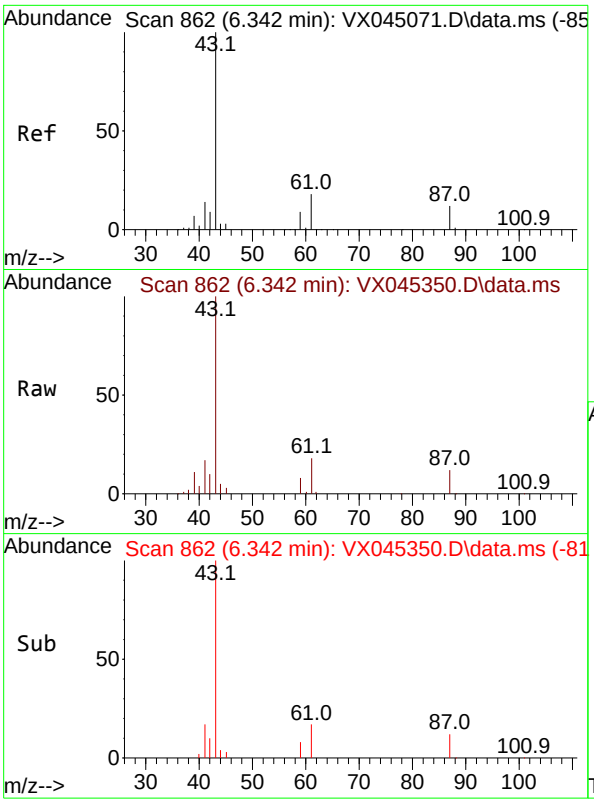


#42
1,2-Dichloroethane
Concen: 22.168 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 38946

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 21.091 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

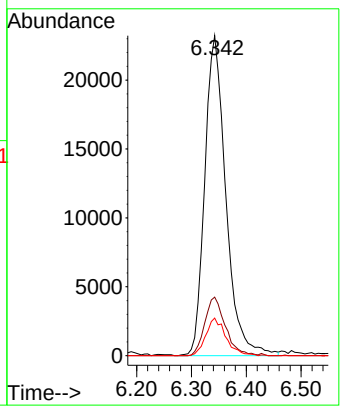
Tgt Ion: 43 Resp: 6208

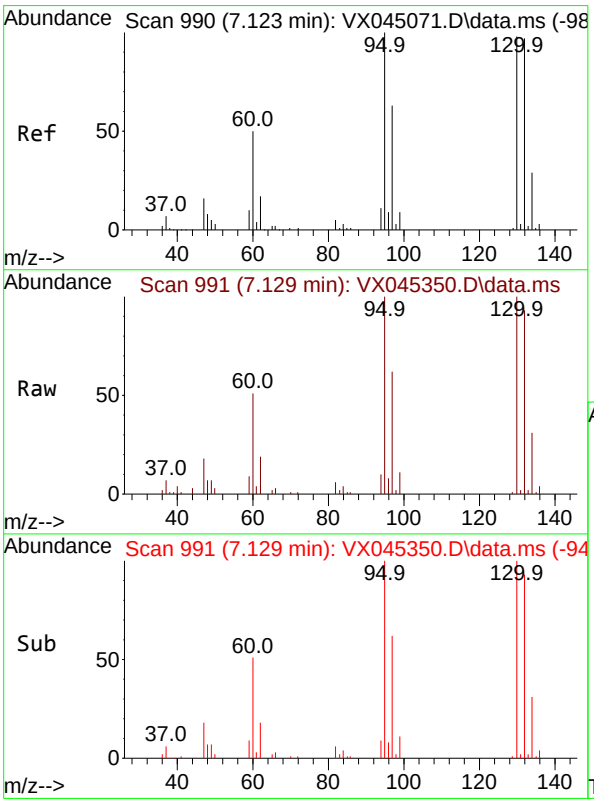
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.2	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

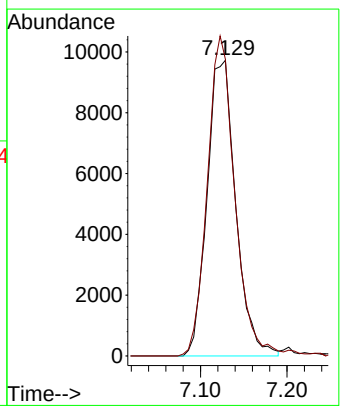


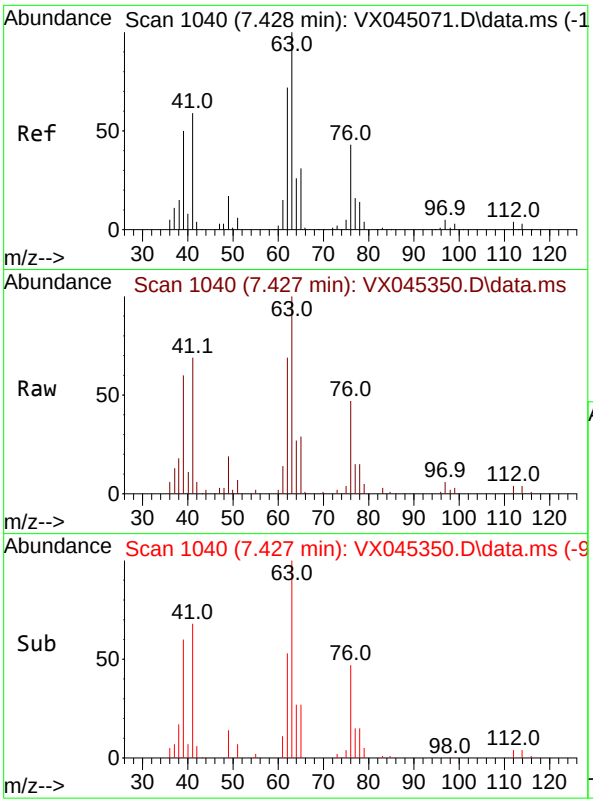


#44
Trichloroethene
Concen: 19.539 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:130 Resp: 22383

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

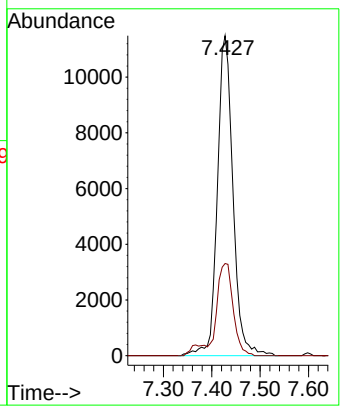




#45
1,2-Dichloropropane
Concen: 20.556 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 2578

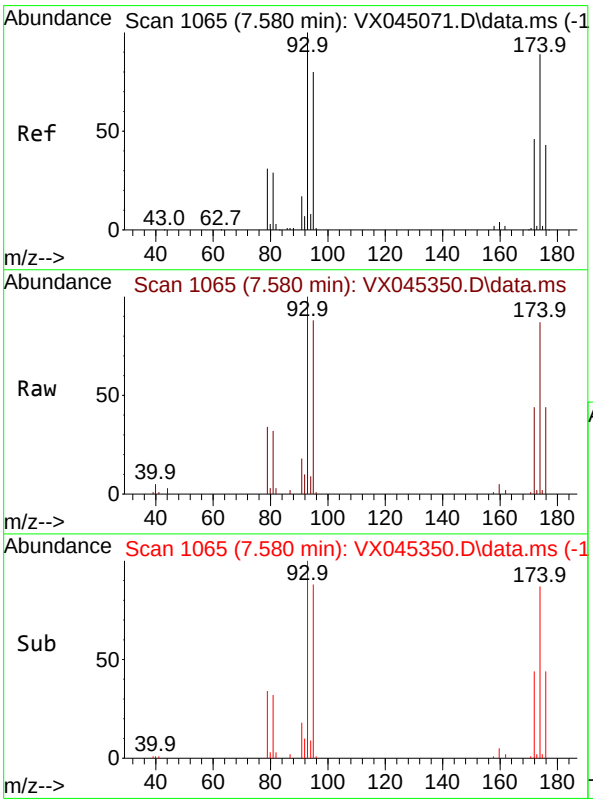
Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

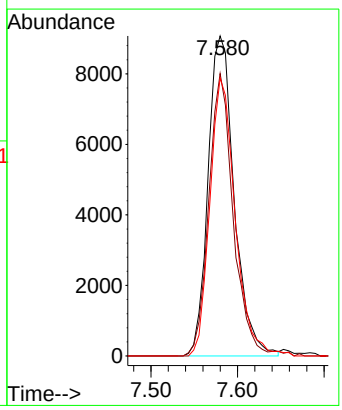
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

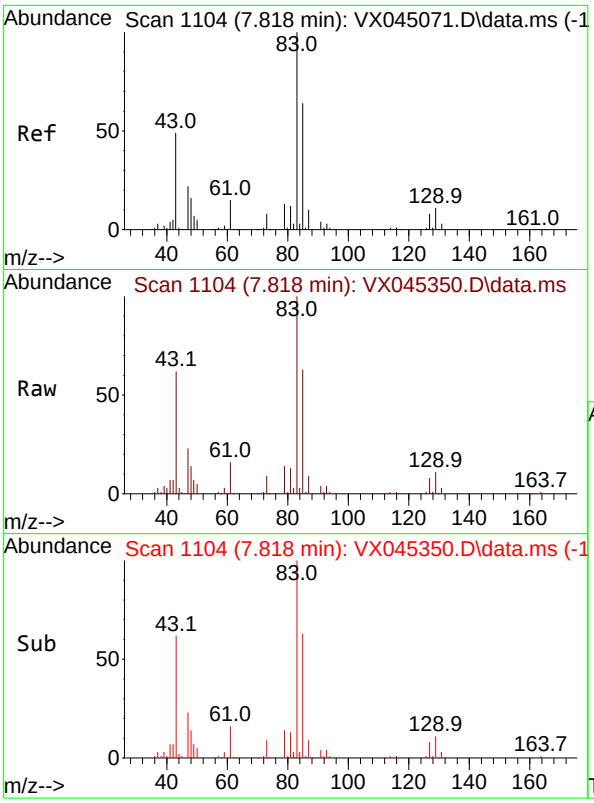


#46
Dibromomethane
Concen: 21.446 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 93 Resp: 19014

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.8
174	84.3	72.2	108.2

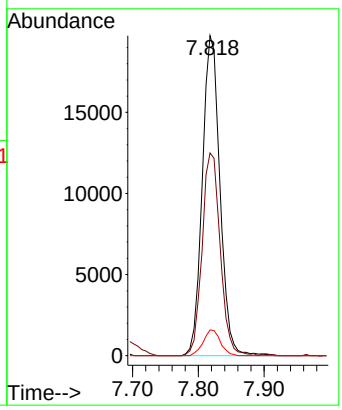




#47
Bromodichloromethane
Concen: 21.200 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 3686

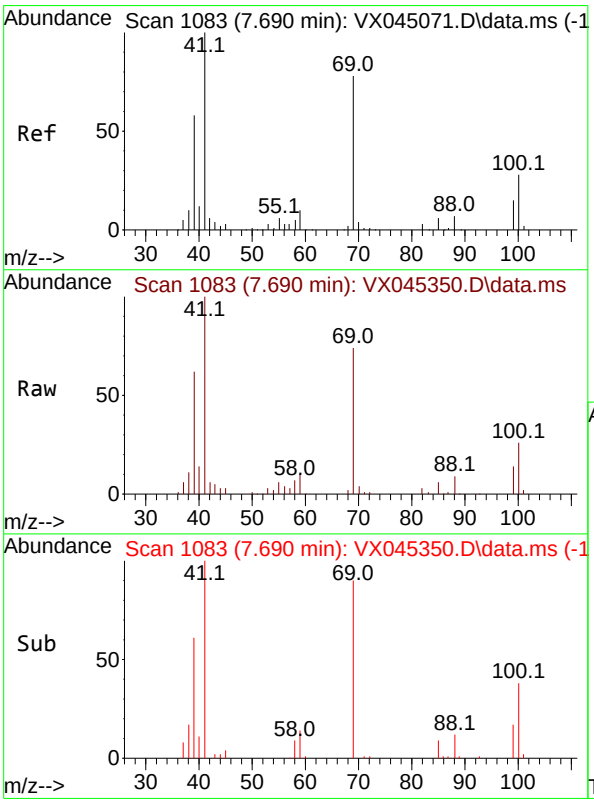
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	8.1	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

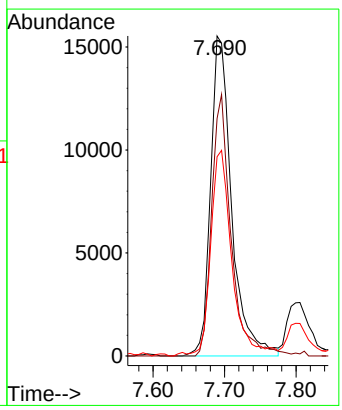
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

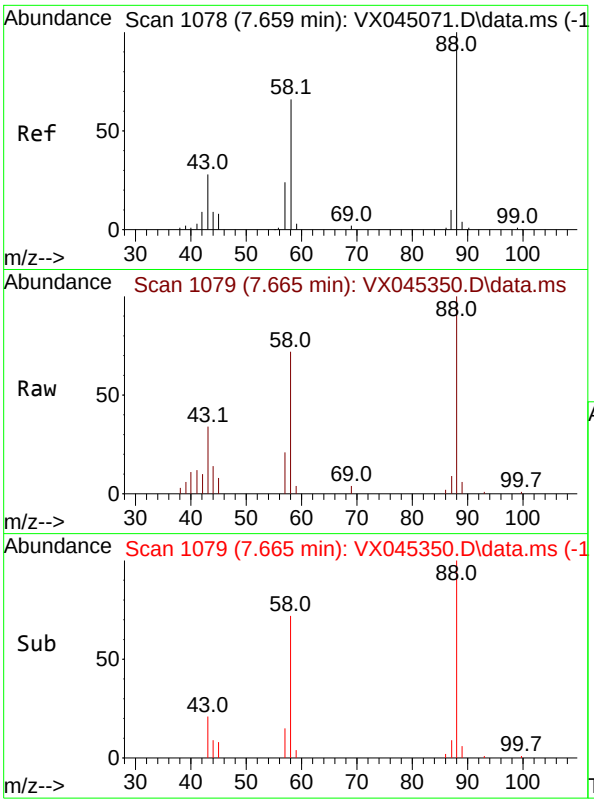


#48
Methyl methacrylate
Concen: 21.528 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 31795

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	62.4	47.5	71.3





#49
1,4-Dioxane
Concen: 373.915 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

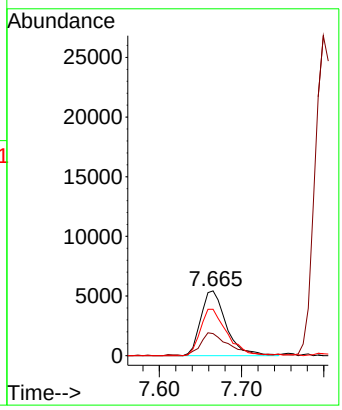
Tgt Ion: 88 Resp: 1164

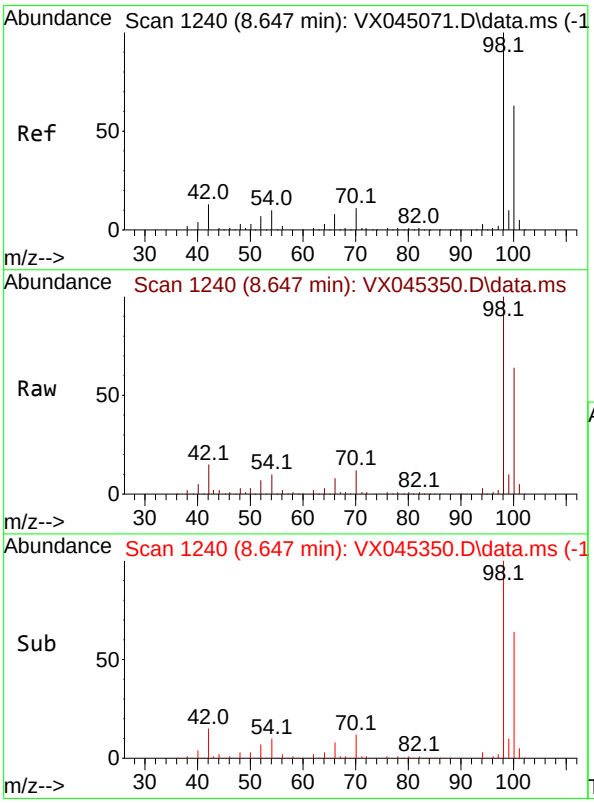
Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.7	43.1
58	75.6	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

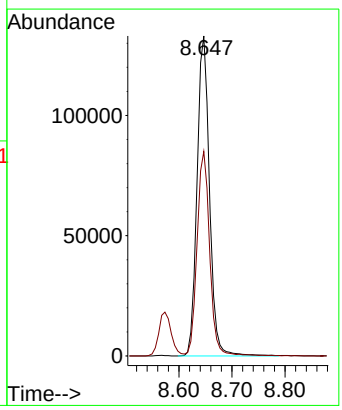


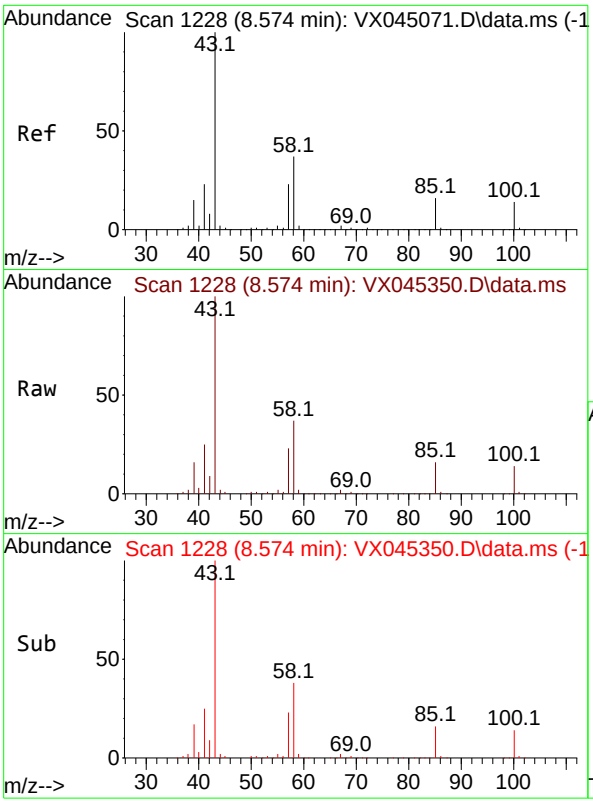


#50
Toluene-d8
Concen: 53.265 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 98 Resp: 217551

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

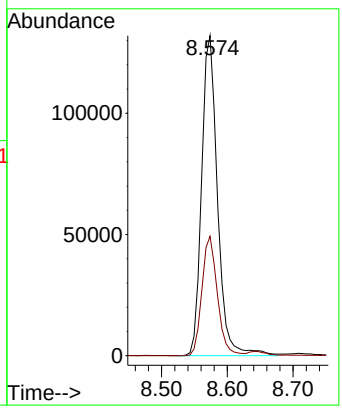




#51
4-Methyl-2-Pentanone
Concen: 112.487 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 22234

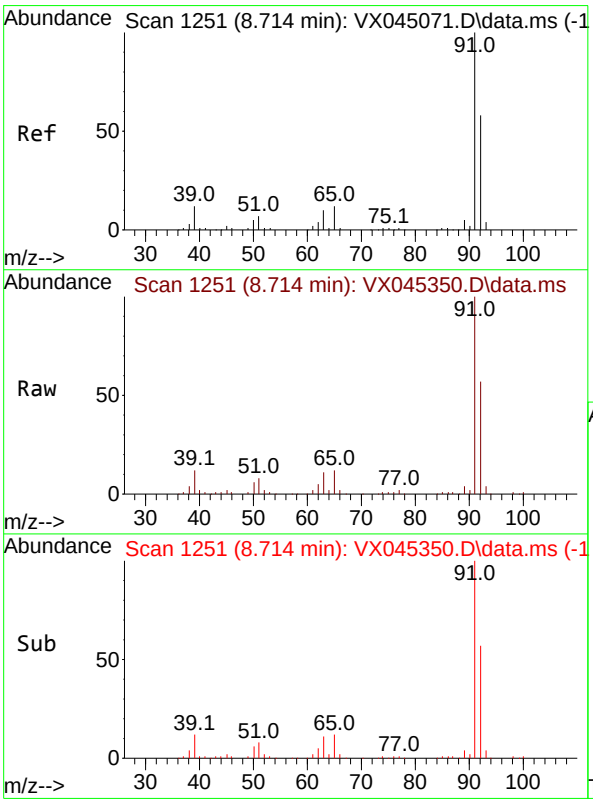
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

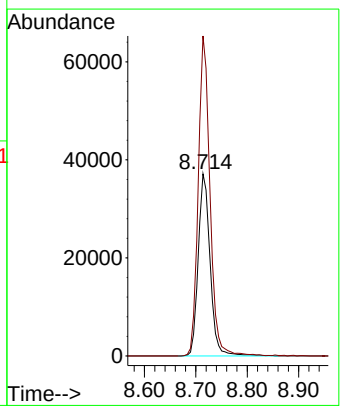
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

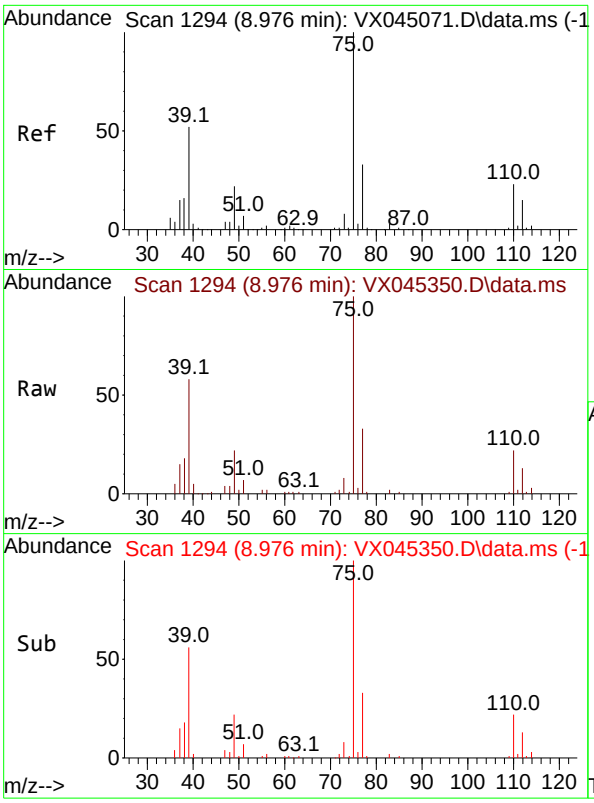


#52
Toluene
Concen: 20.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 92 Resp: 59792

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

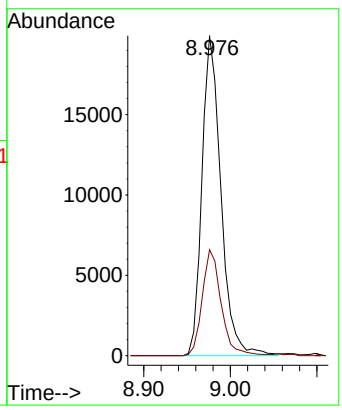




#53
t-1,3-Dichloropropene
Concen: 20.856 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 3032

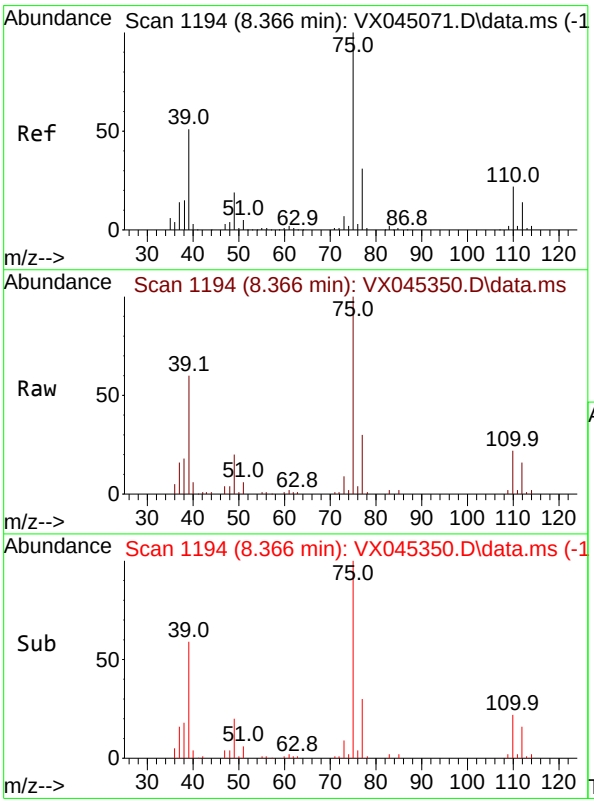
Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

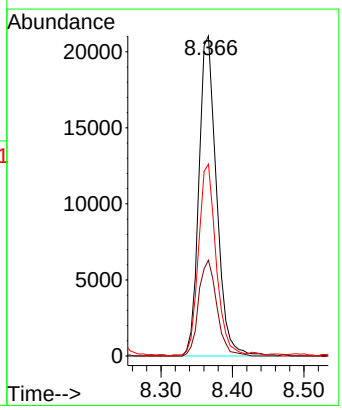
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

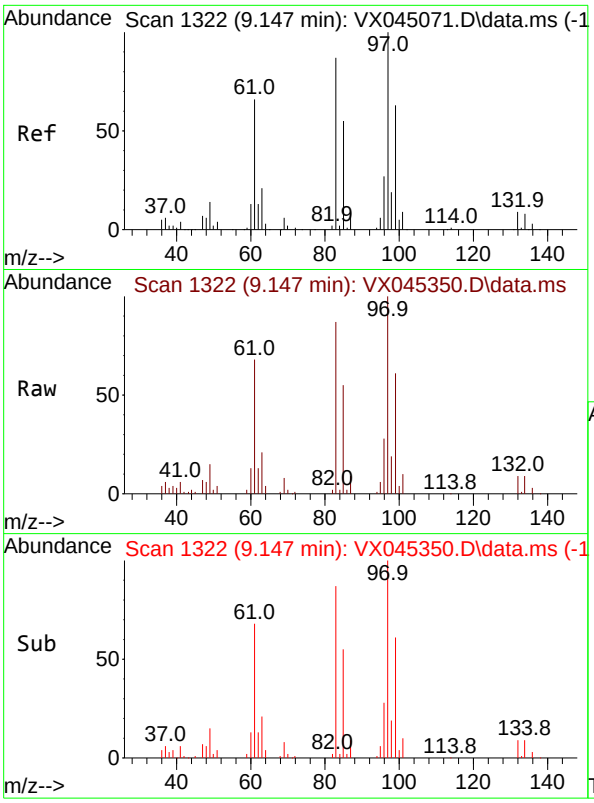


#54
cis-1,3-Dichloropropene
Concen: 21.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 36016

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1
39	59.6	40.7	61.1

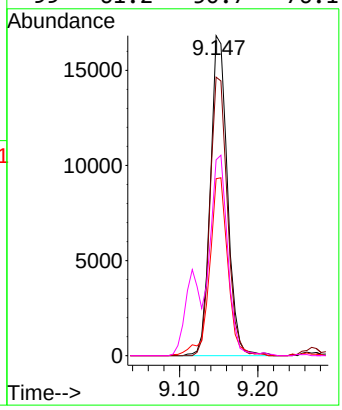




#55
1,1,2-Trichloroethane
Concen: 21.615 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 97 Resp: 2547

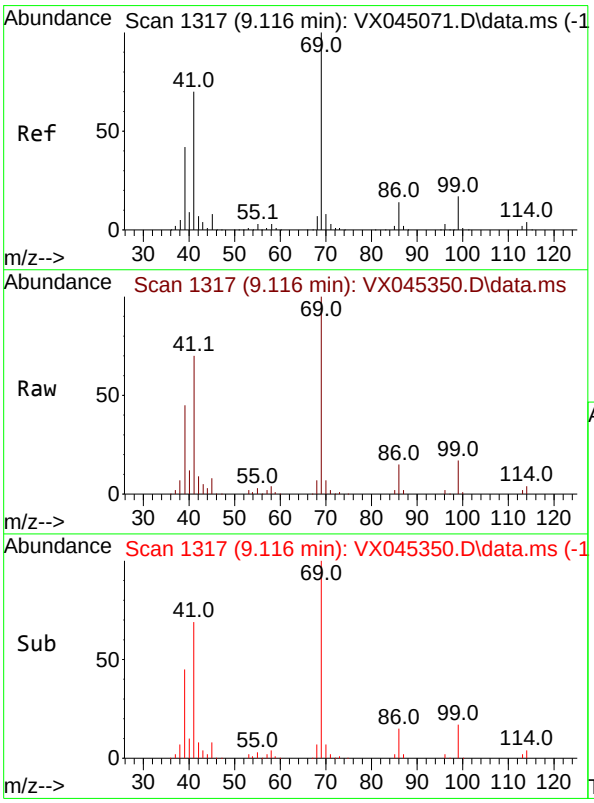
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.2
85	55.3	44.1	66.1
99	61.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

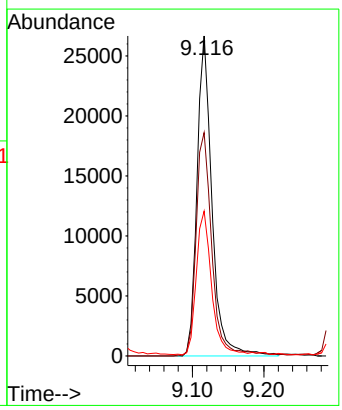
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

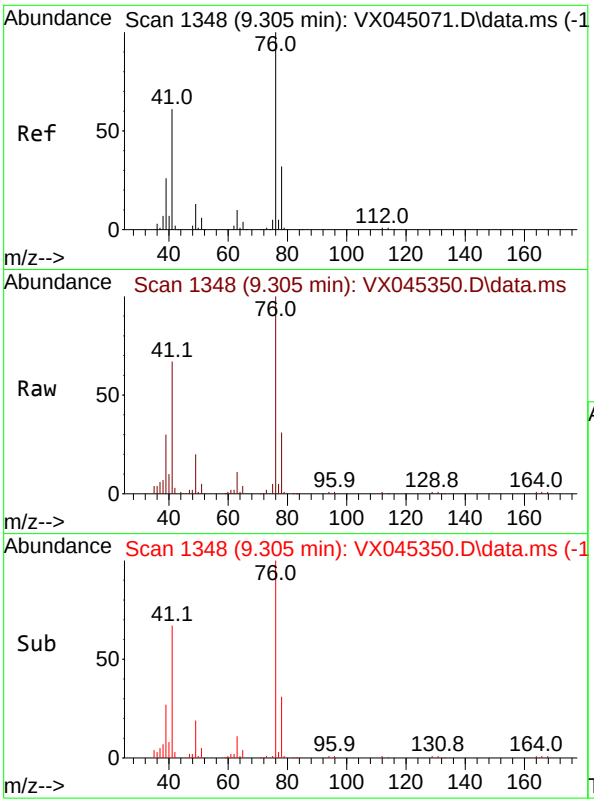


#56
Ethyl methacrylate
Concen: 21.557 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 69 Resp: 38614

Ion	Ratio	Lower	Upper
69	100		
41	74.4	57.0	85.4
39	45.4	34.2	51.4

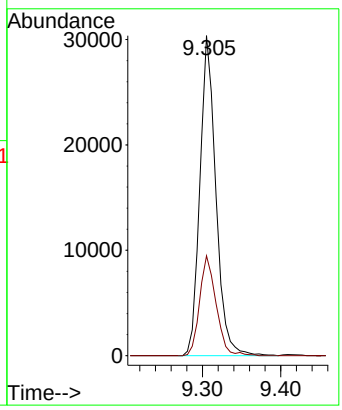




#57
1,3-Dichloropropane
Concen: 21.077 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 76 Resp: 4298

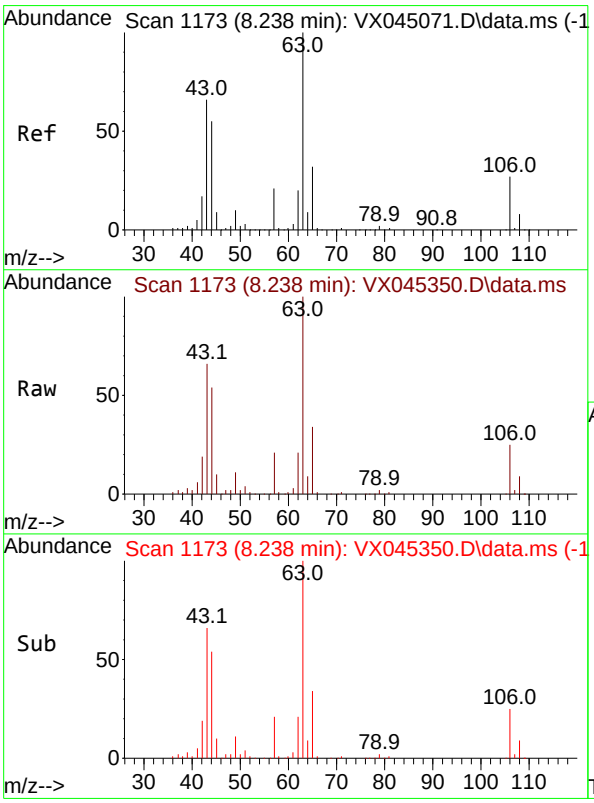
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

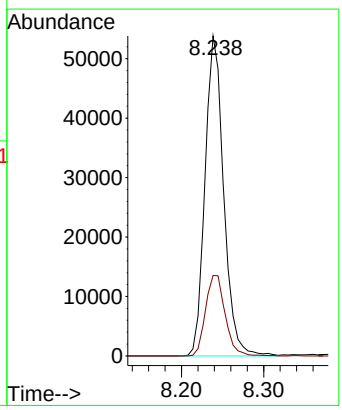
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

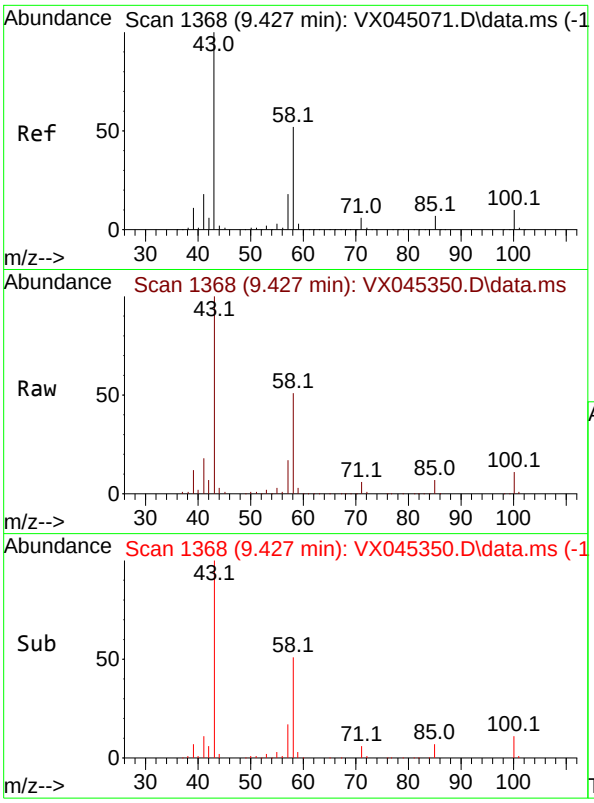


#58
2-Chloroethyl Vinyl ether
Concen: 97.136 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 84877

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

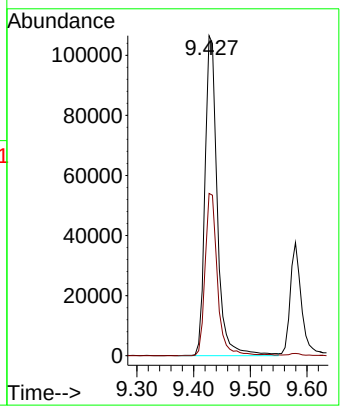




#59
2-Hexanone
Concen: 112.560 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 16120

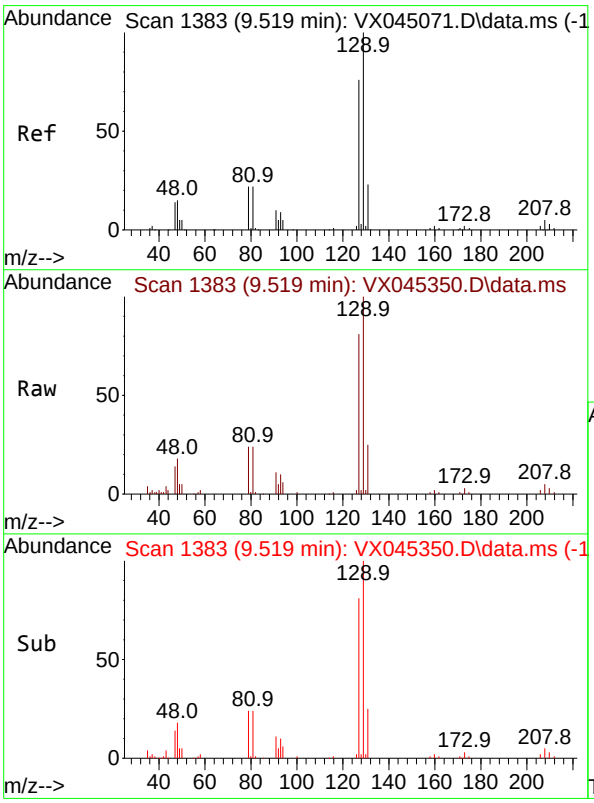
Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

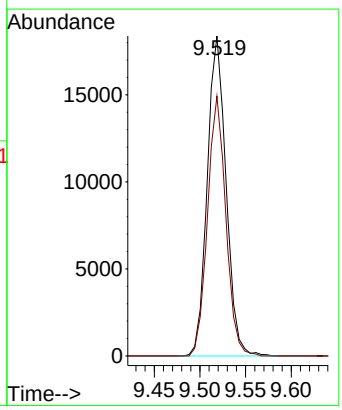
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

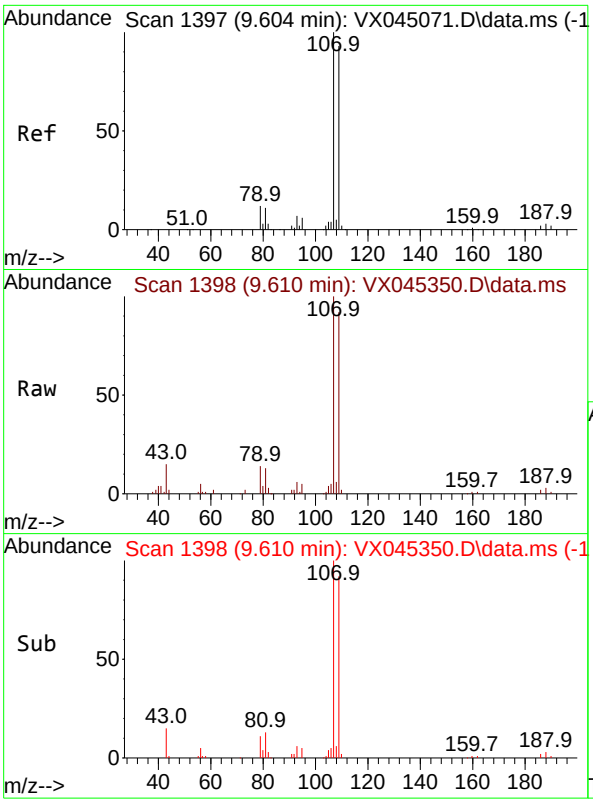


#60
Dibromochloromethane
Concen: 21.377 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:129 Resp: 26339

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.5	115.5

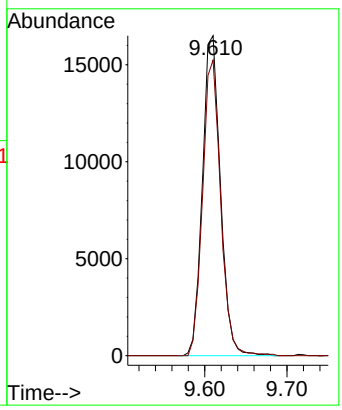




#61
1,2-Dibromoethane
Concen: 21.403 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:107 Resp: 2517

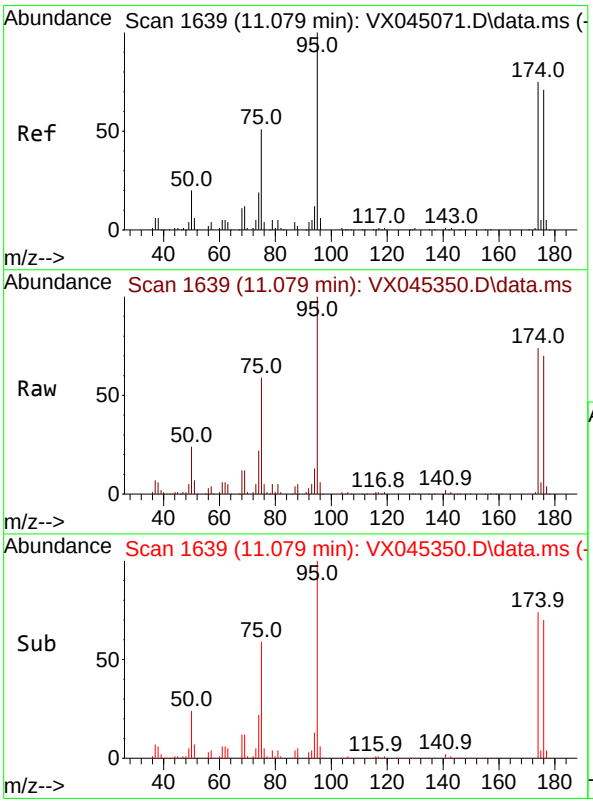
Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

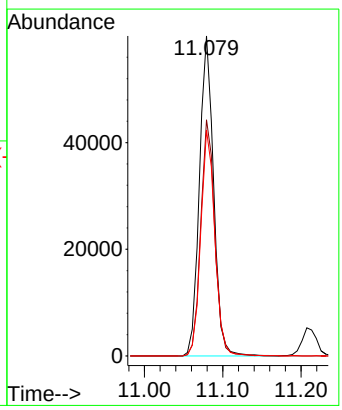
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

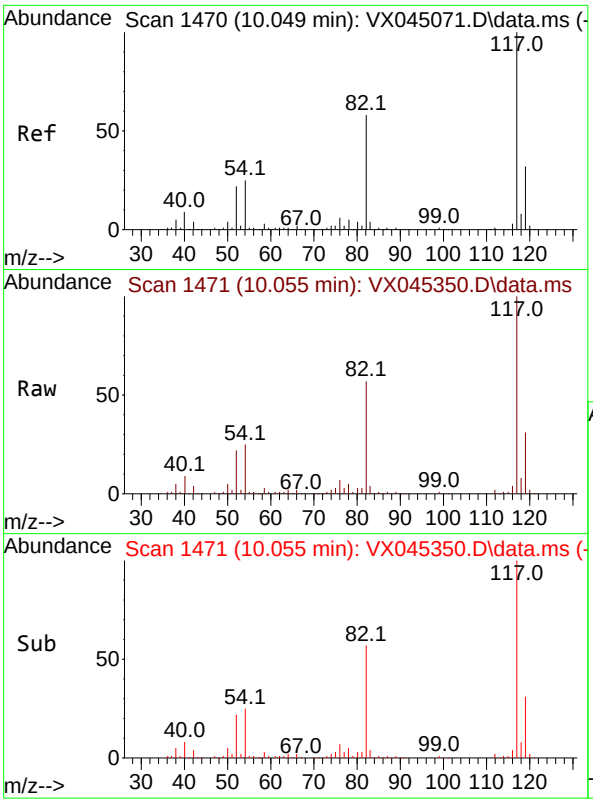


#62
4-Bromofluorobenzene
Concen: 55.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 95 Resp: 75333

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	70.2	0.0	141.4

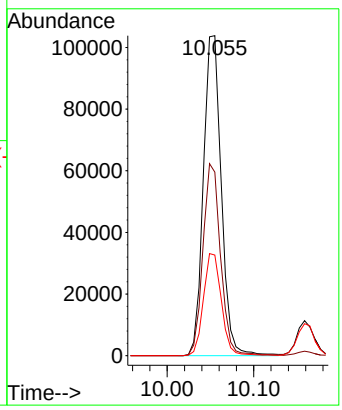




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 14949

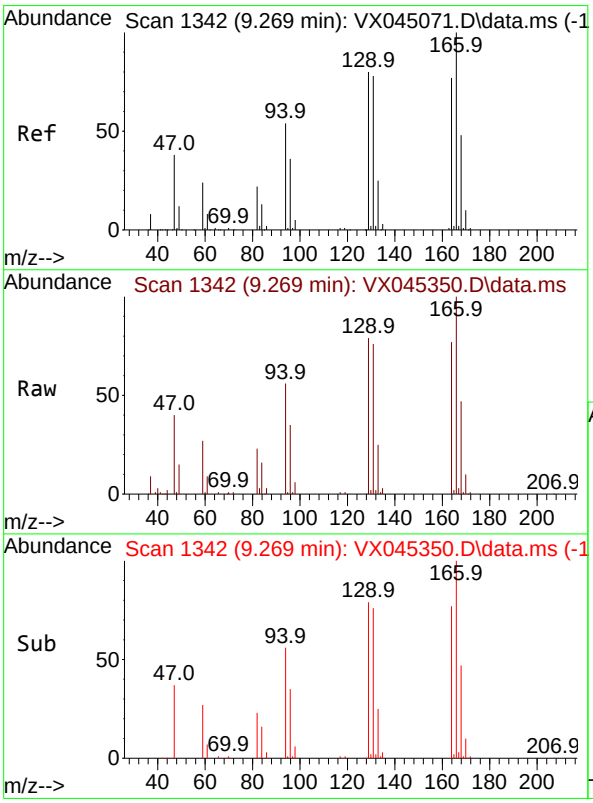
Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	31.5	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

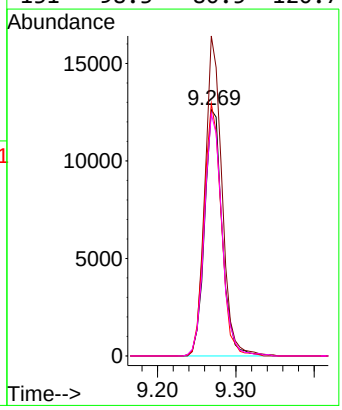
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

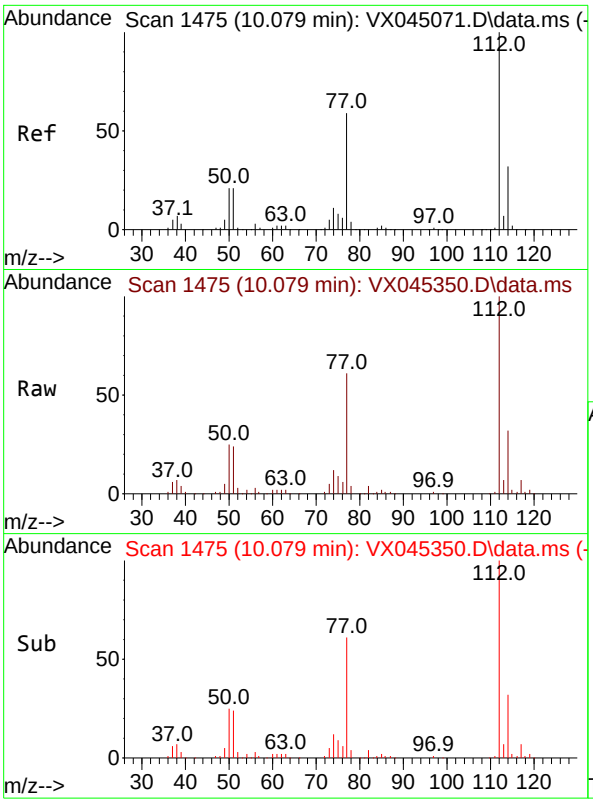


#64
Tetrachloroethene
Concen: 20.418 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:164 Resp: 19550

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.6	155.4
129	102.5	82.7	124.1
131	98.3	80.5	120.7

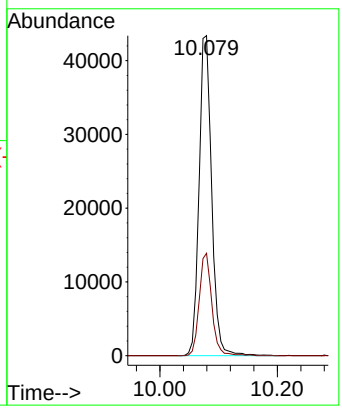




#65
Chlorobenzene
Concen: 20.437 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:112 Resp: 6464

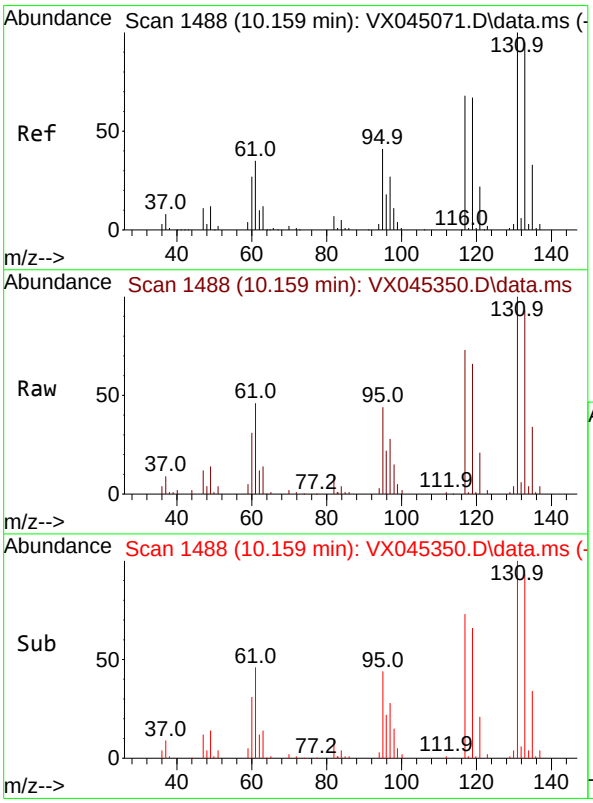
Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

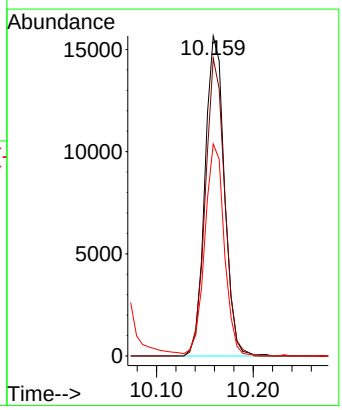
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

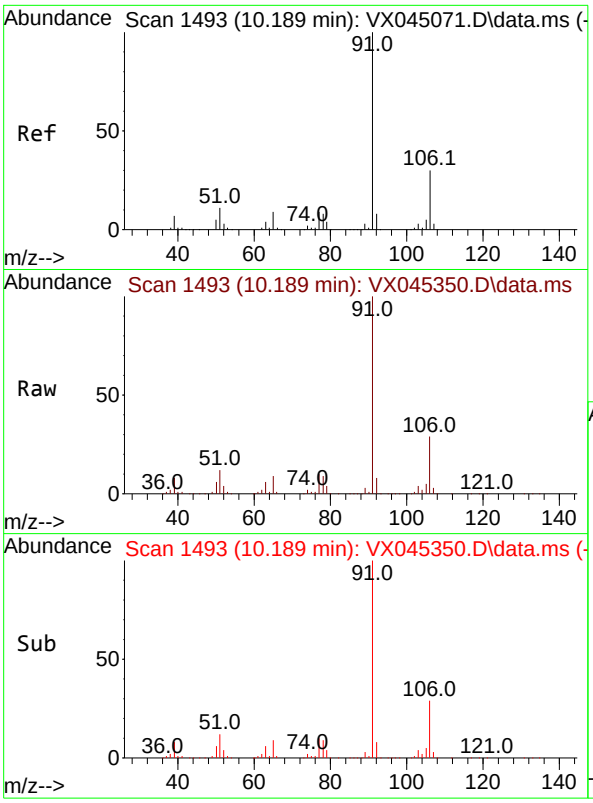


#66
1,1,1,2-Tetrachloroethane
Concen: 20.749 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:131 Resp: 21858

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.6	145.9
119	66.5	33.9	101.7

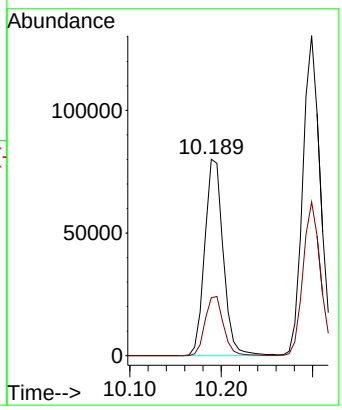




#67
Ethyl Benzene
Concen: 20.445 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 11269

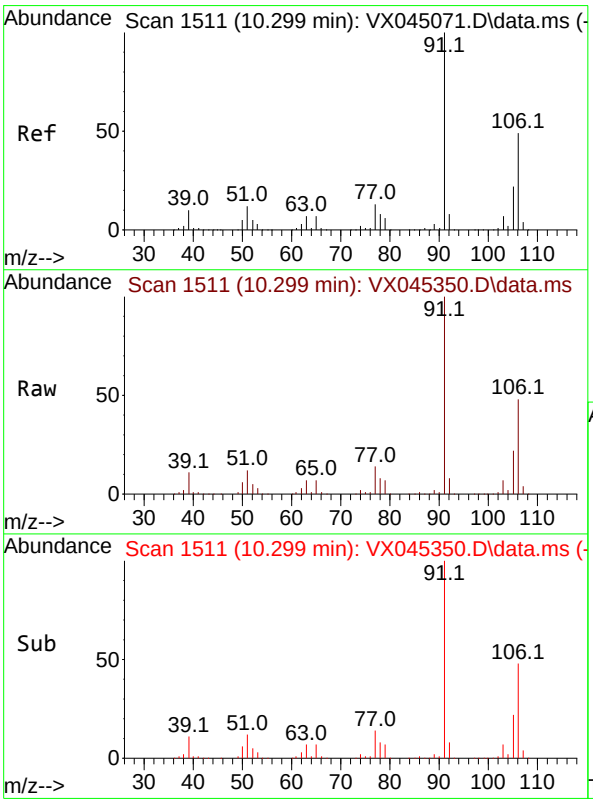
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

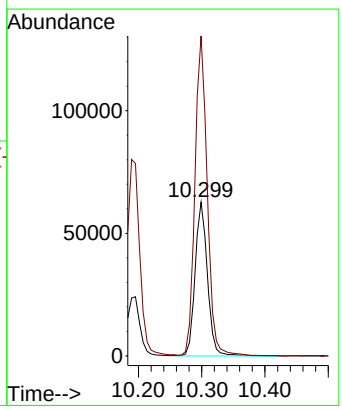
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

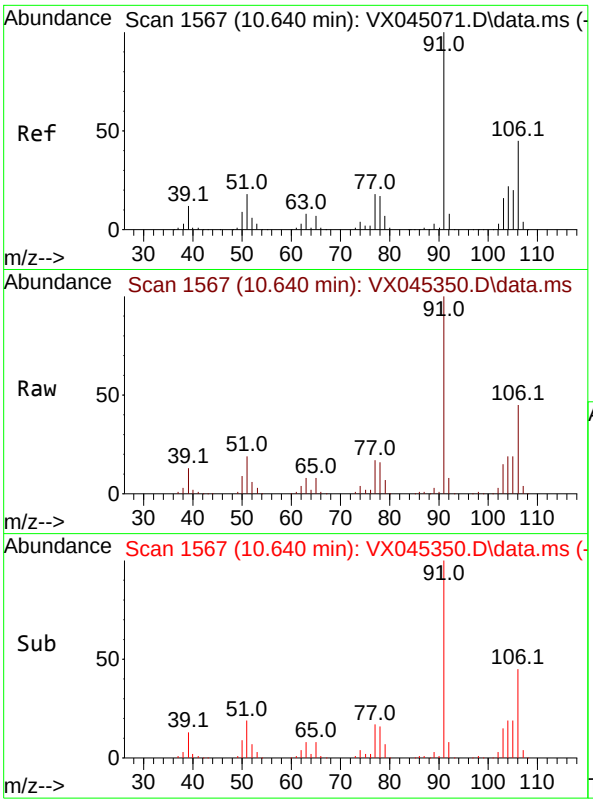


#68
m/p-Xylenes
Concen: 42.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:106 Resp: 85116

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.4	248.0

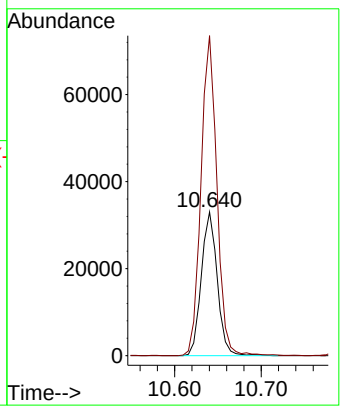




#69
o-Xylene
Concen: 20.699 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:106 Resp: 4212

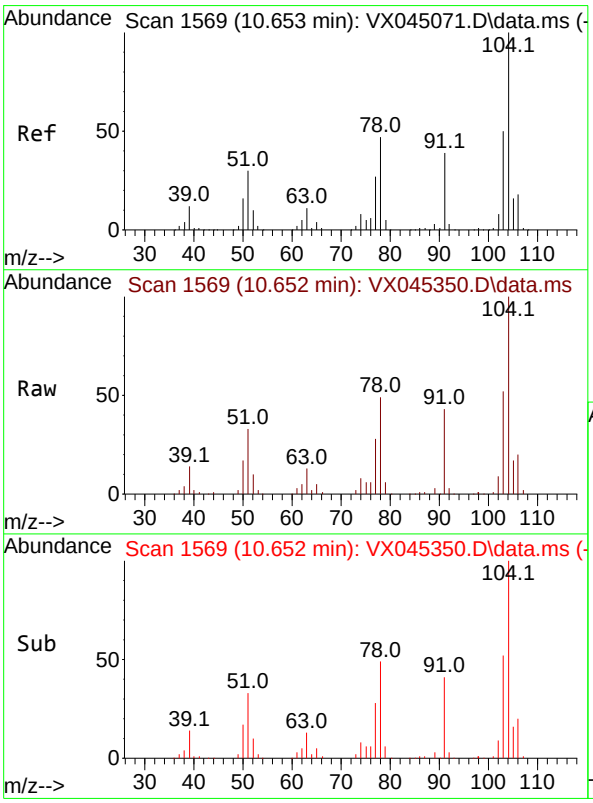
Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

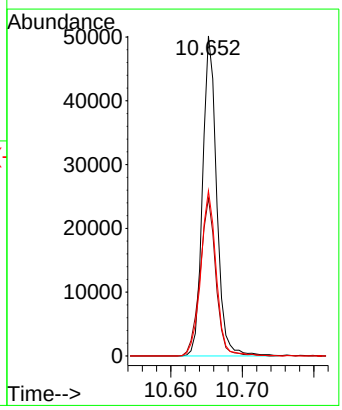
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

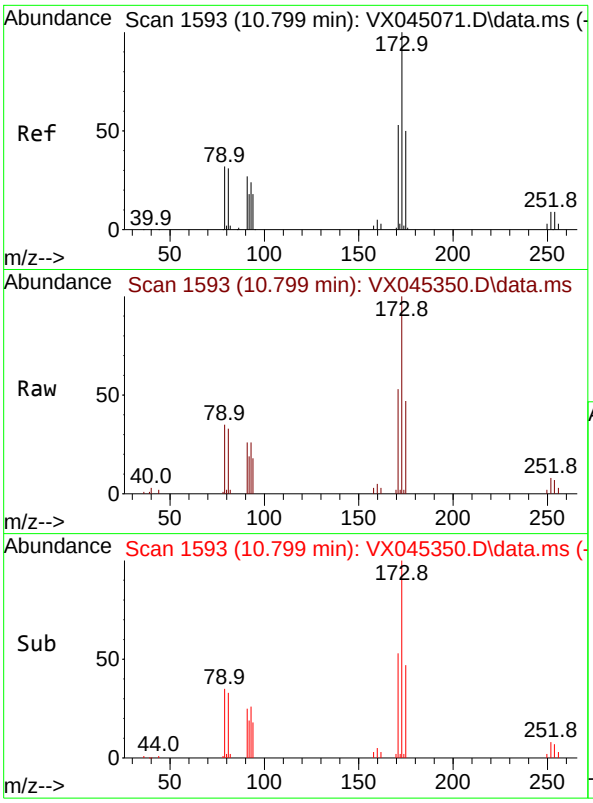


#70
Styrene
Concen: 20.888 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:104 Resp: 68782

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	56.5	43.8	65.8

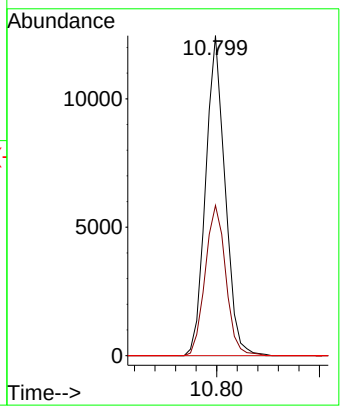




#71
Bromoform
Concen: 20.565 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:173 Resp: 1633

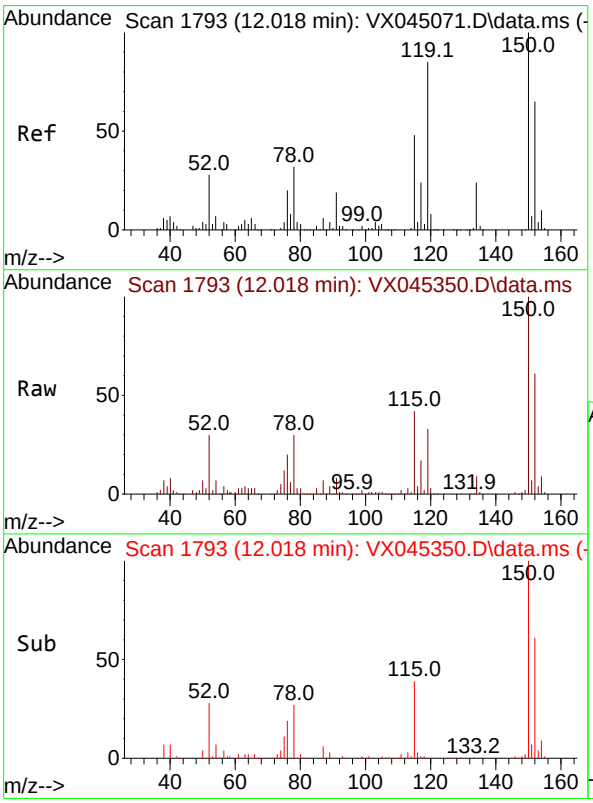
Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

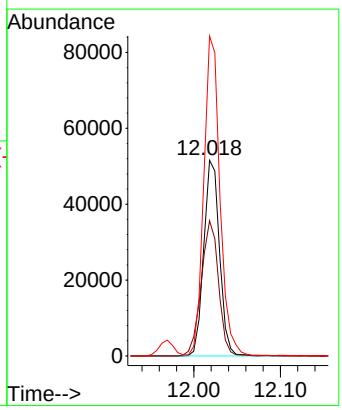
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

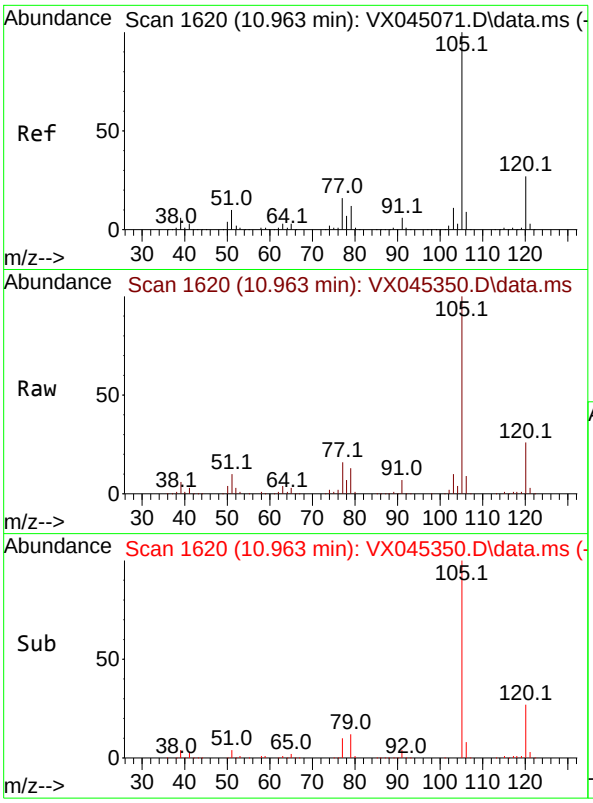


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:152 Resp: 65210

Ion	Ratio	Lower	Upper
152	100		
115	75.6	44.2	132.6
150	167.0	0.0	349.0

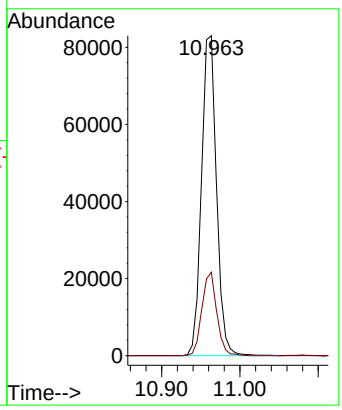




#73
Isopropylbenzene
Concen: 21.707 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 11048

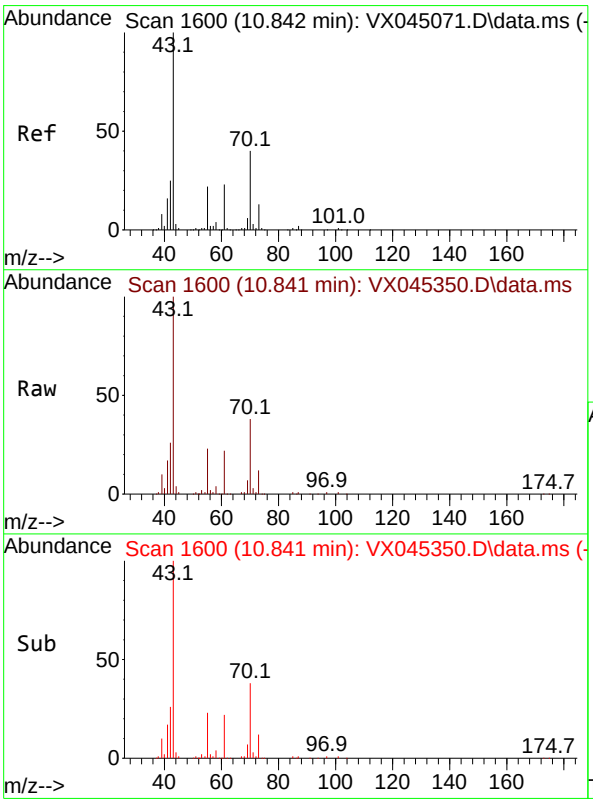
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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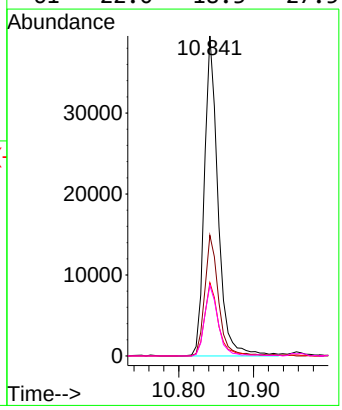
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

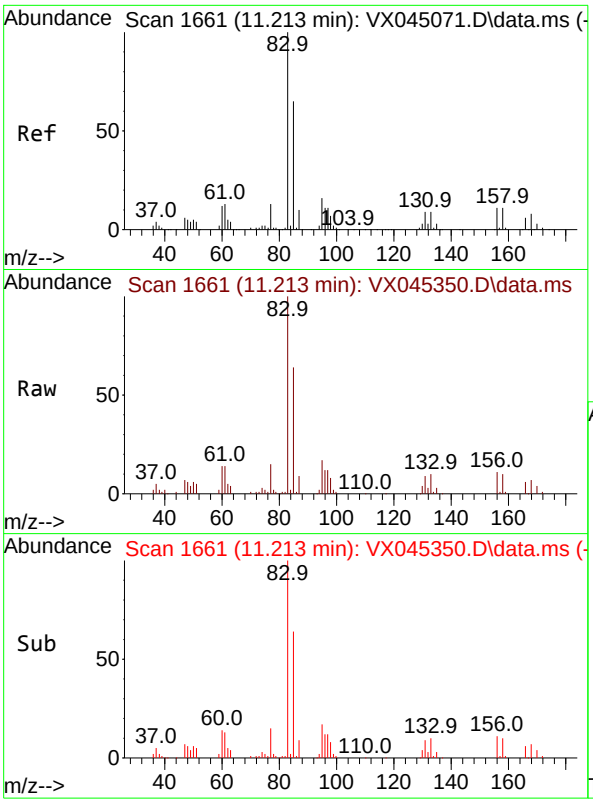


#74
N-amyl acetate
Concen: 20.996 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 50145

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	23.2	18.3	27.5
61	22.0	18.3	27.5

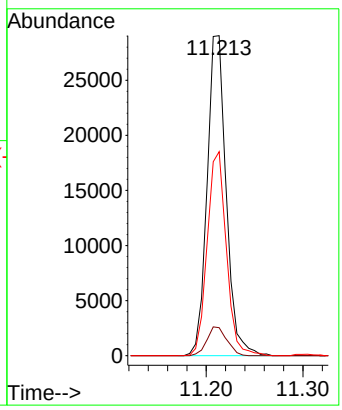




#75
1,1,2,2-Tetrachloroethane
Concen: 21.363 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 3990

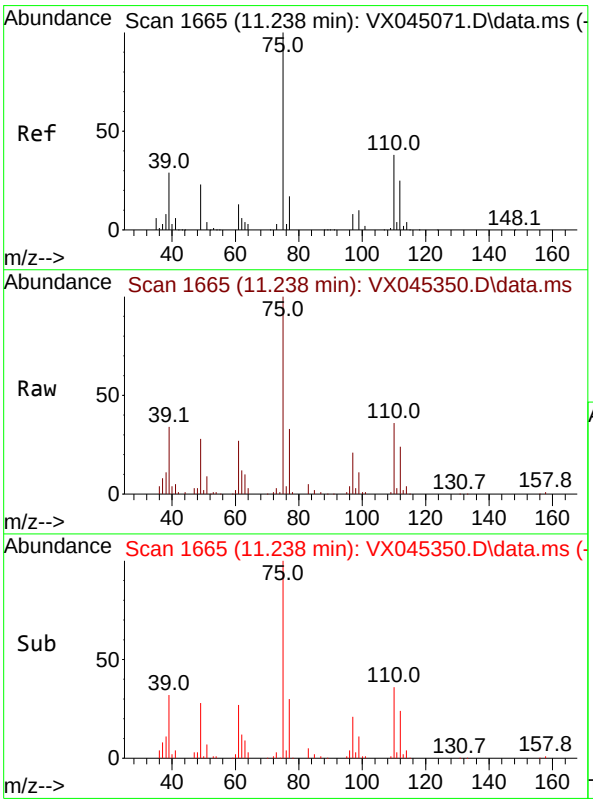
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

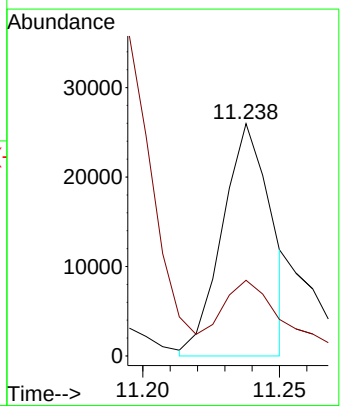
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

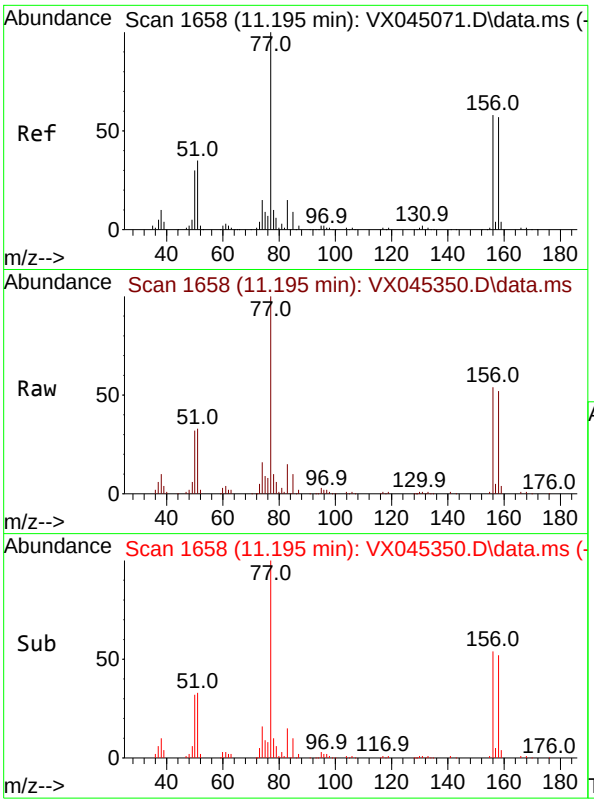


#76
1,2,3-Trichloropropane
Concen: 21.194 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 32167

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.7	62.1

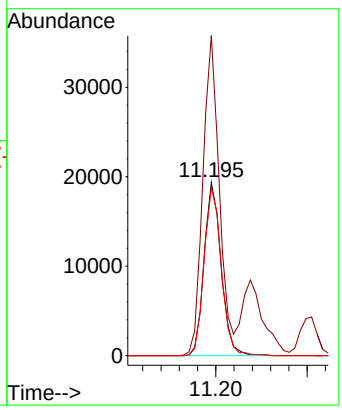




#77
Bromobenzene
Concen: 20.758 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:156 Resp: 2492

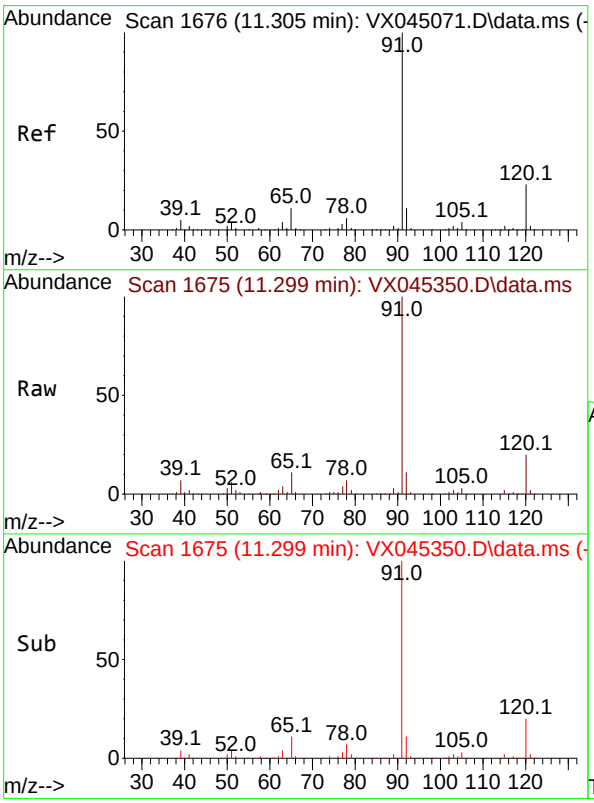
Ion	Ratio	Lower	Upper
156	100		
77	179.0	85.8	257.4
158	98.4	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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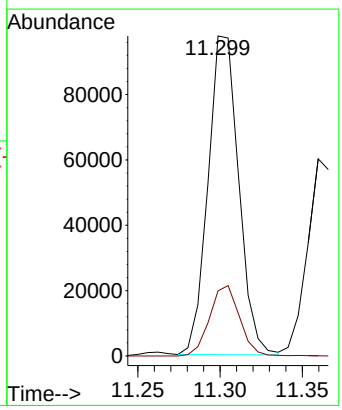
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

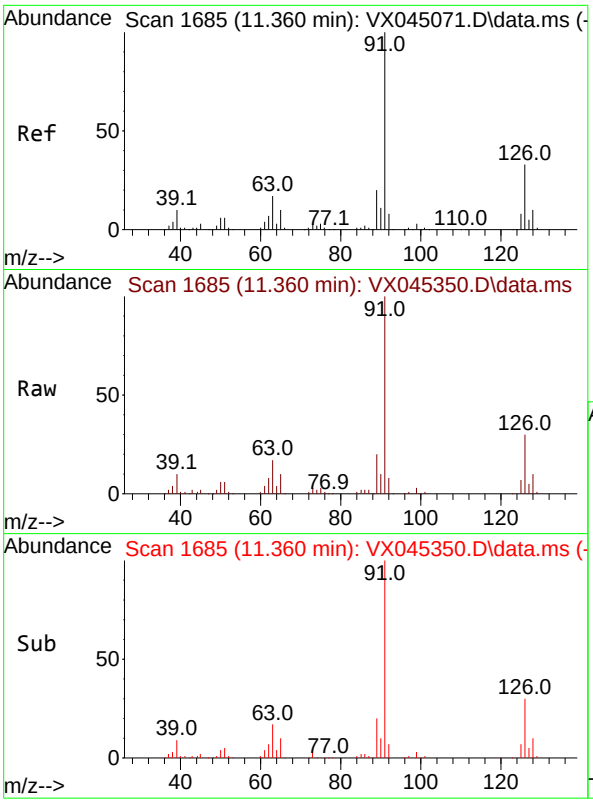


#78
n-propylbenzene
Concen: 22.004 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 126518

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6

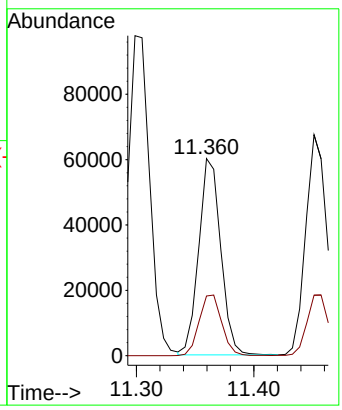




#79
2-Chlorotoluene
Concen: 21.386 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 7831

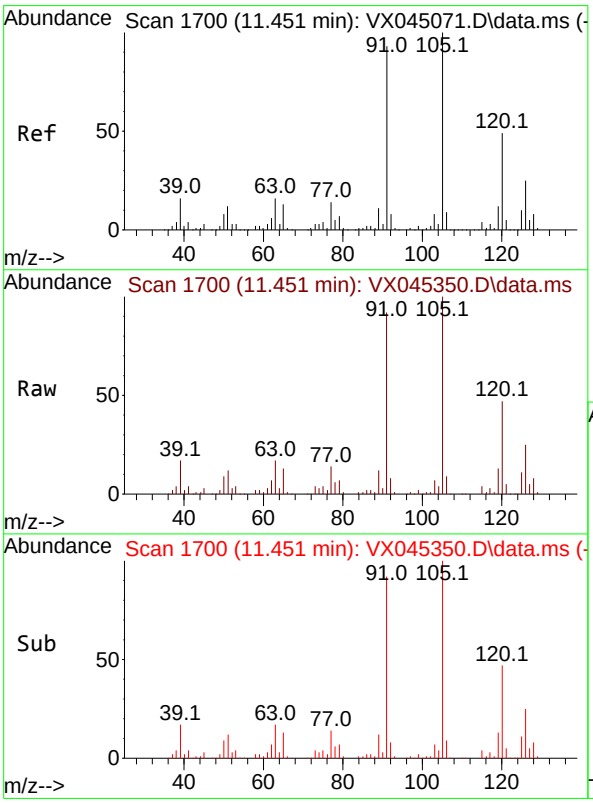
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations APPROVED

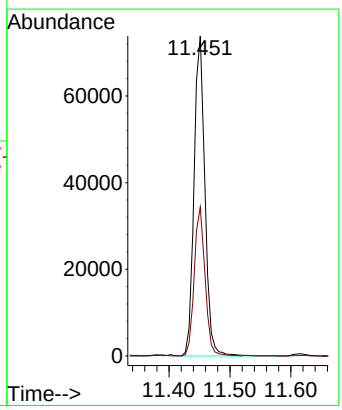
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

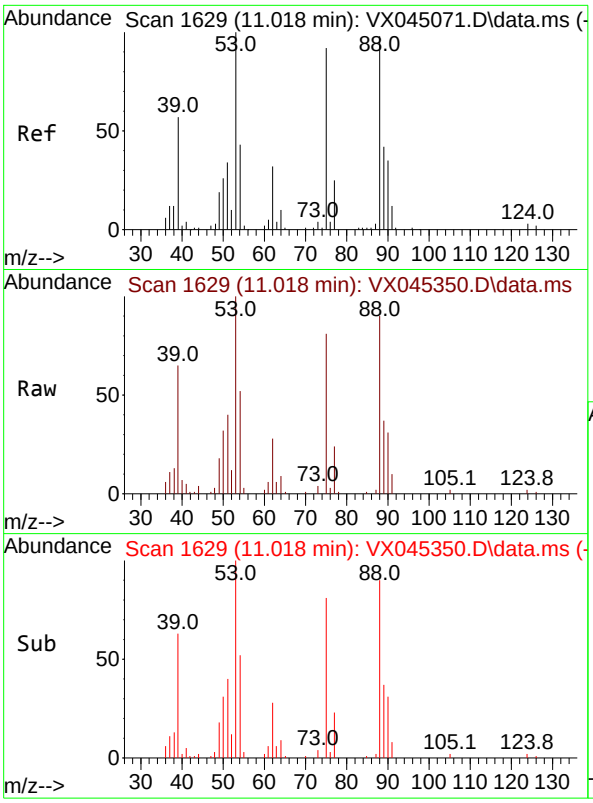


#80
1,3,5-Trimethylbenzene
Concen: 22.175 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 91263

Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.1	72.2

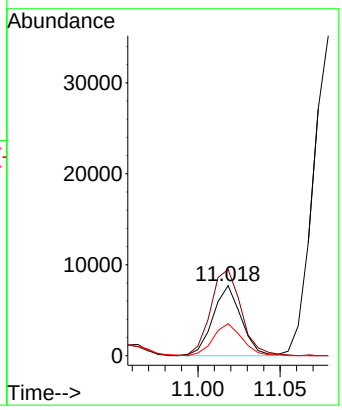




#81
trans-1,4-Dichloro-2-butene
Concen: 20.800 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 922

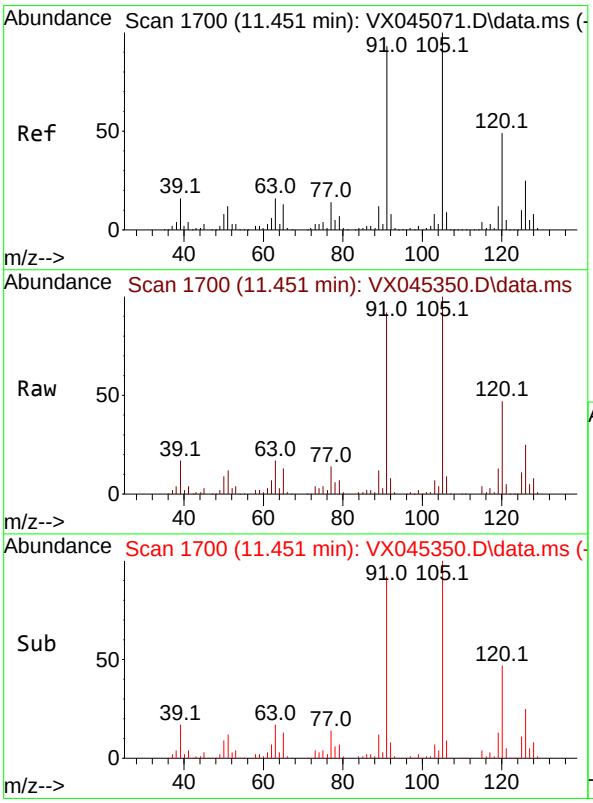
Ion	Ratio	Lower	Upper
75	100		
53	133.1	88.5	132.7#
89	46.5	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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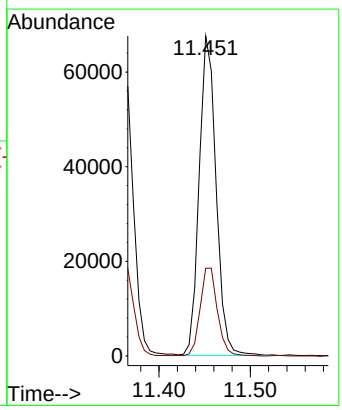
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

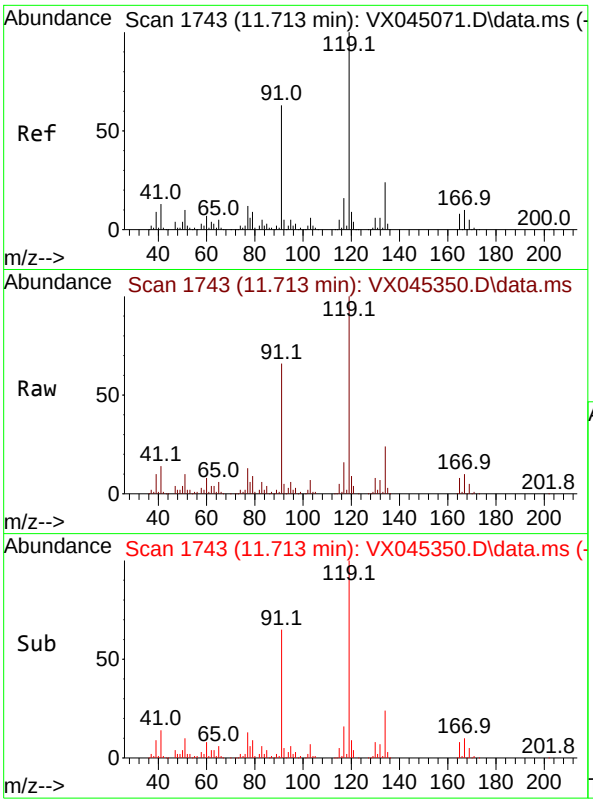


#82
4-Chlorotoluene
Concen: 21.721 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 86685

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4

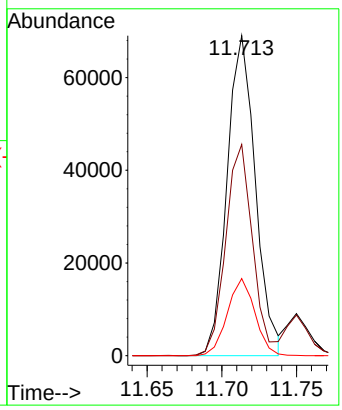




#83
tert-Butylbenzene
Concen: 21.535 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:119 Resp: 9106

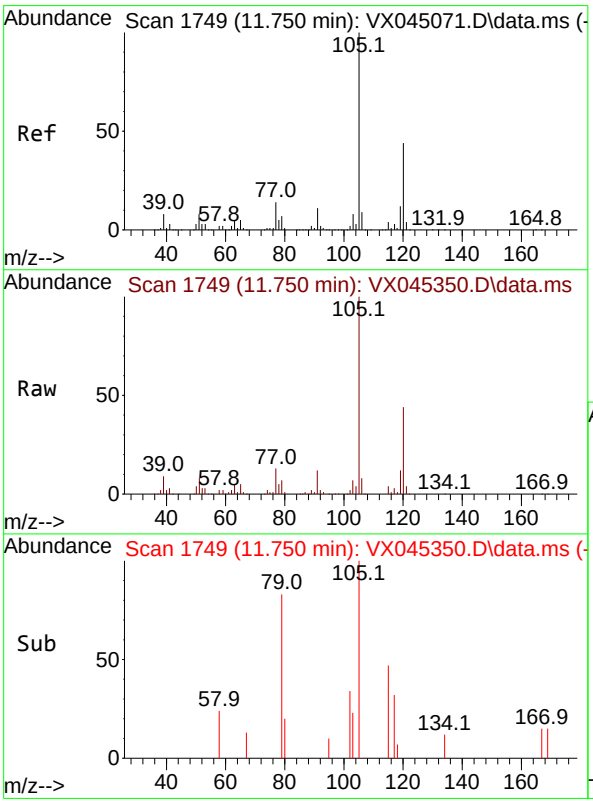
Ion	Ratio	Lower	Upper
119	100		
91	63.2	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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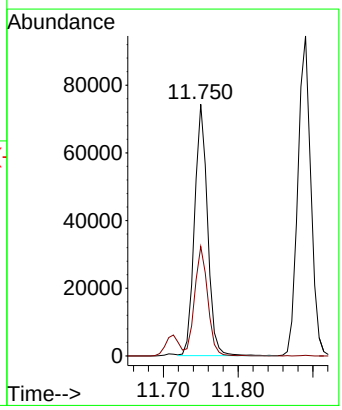
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

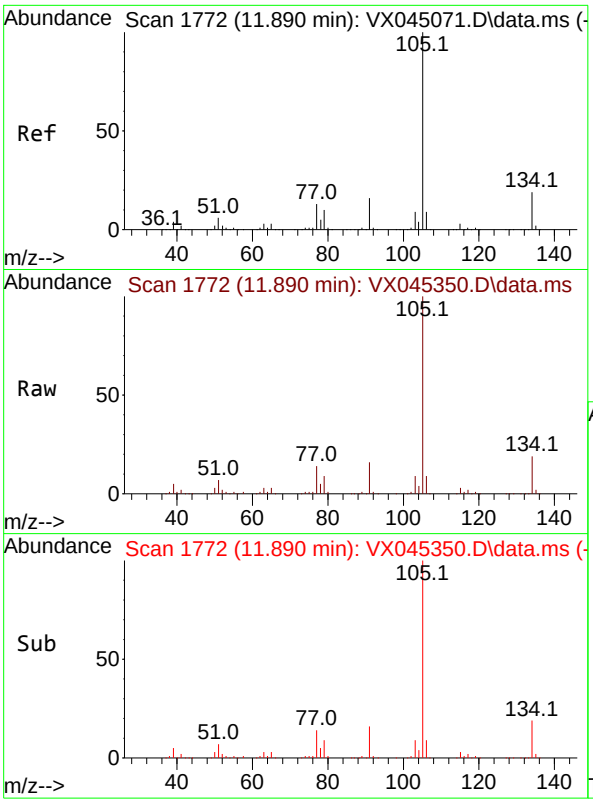


#84
1,2,4-Trimethylbenzene
Concen: 21.617 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 89517

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85
sec-Butylbenzene
Concen: 22.499 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

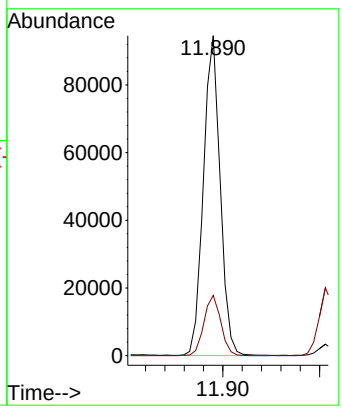
Tgt Ion:105 Resp: 11396

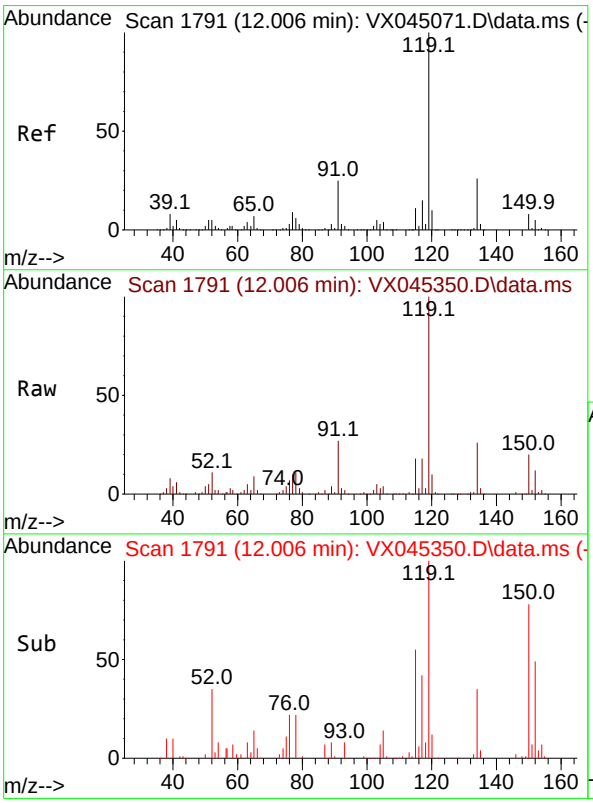
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

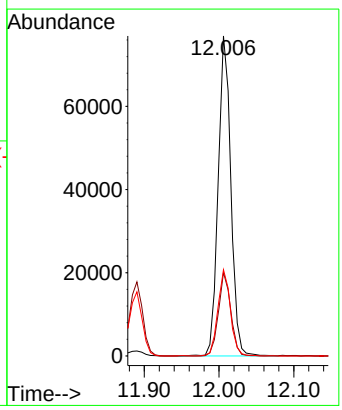


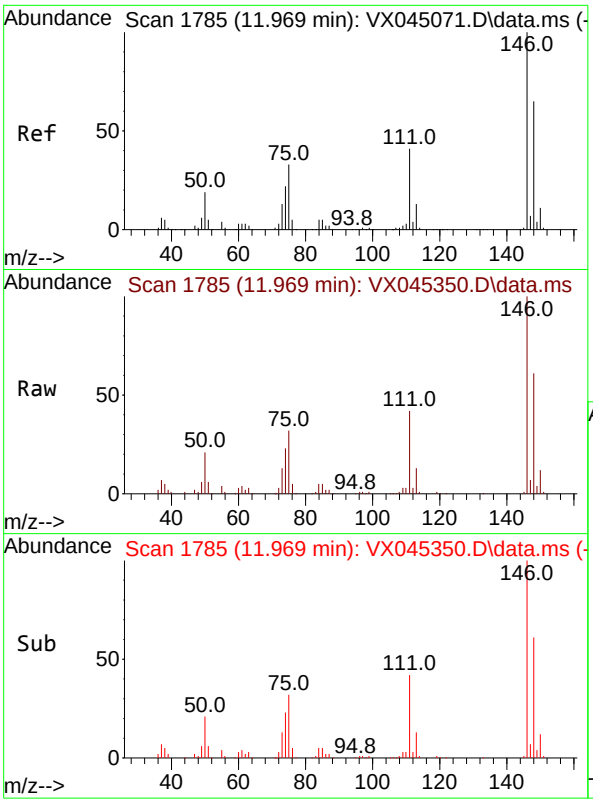


#86
p-Isopropyltoluene
Concen: 22.123 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:119 Resp: 90559

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.7	12.7	38.0

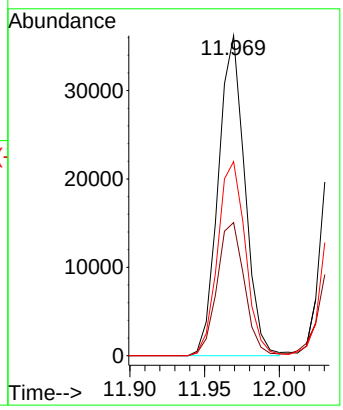




#87
1,3-Dichlorobenzene
Concen: 20.853 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 4467

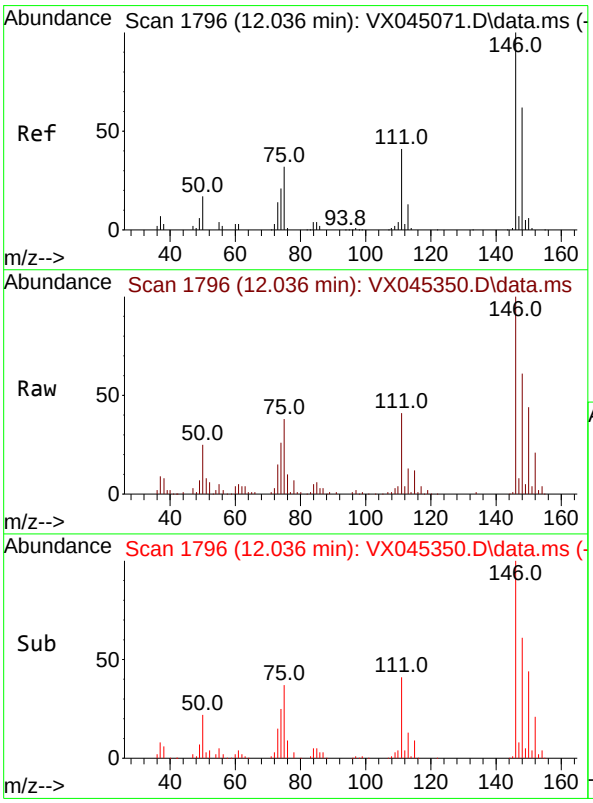
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
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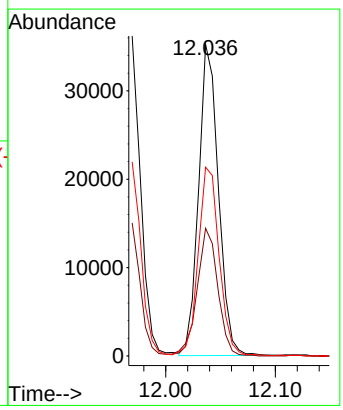
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

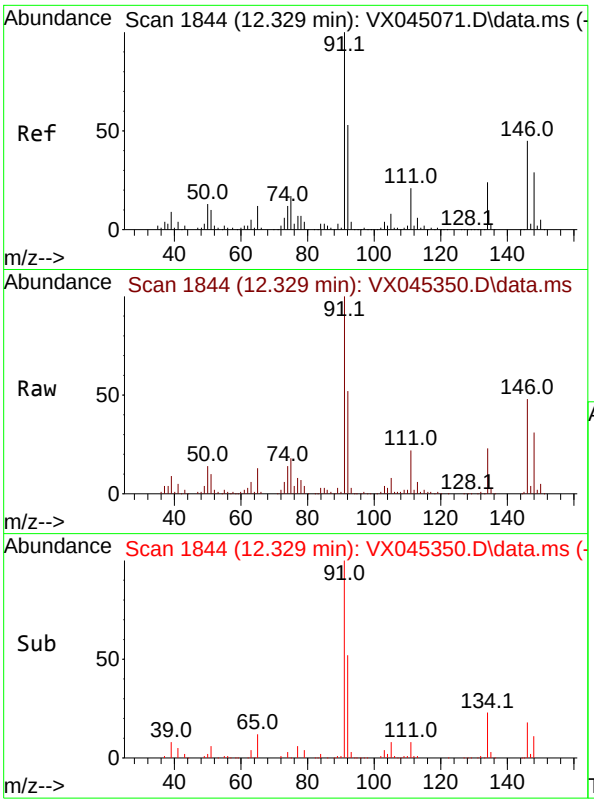


#88
1,4-Dichlorobenzene
Concen: 20.434 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 44289

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.2	60.5
148	63.9	31.9	95.9

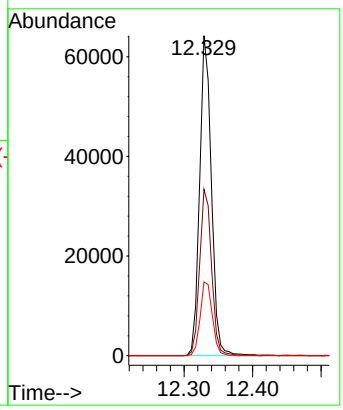




#89
n-Butylbenzene
Concen: 21.789 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 7681

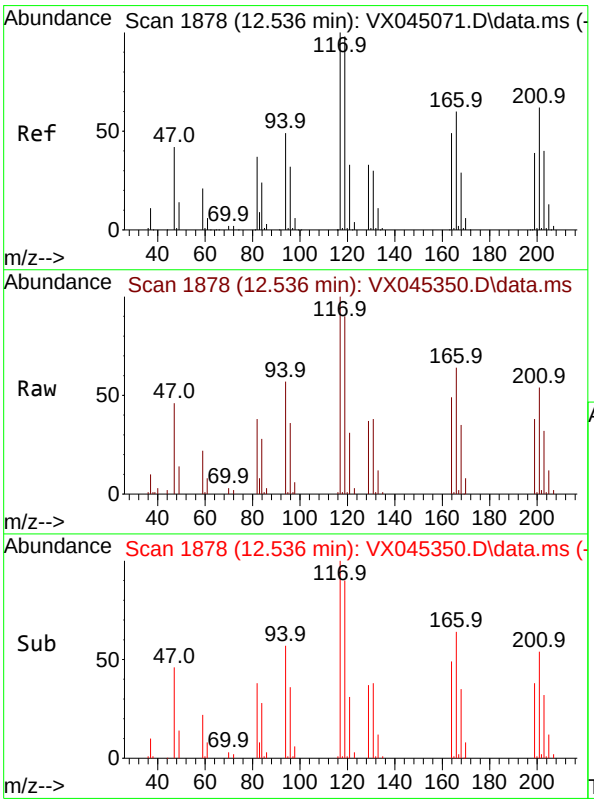
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.0
134	23.8	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

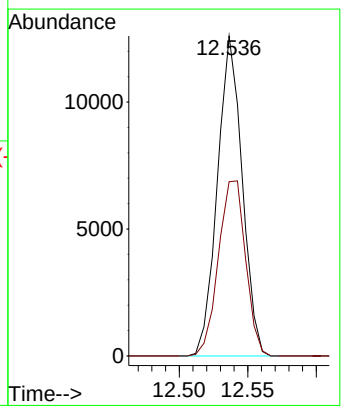
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

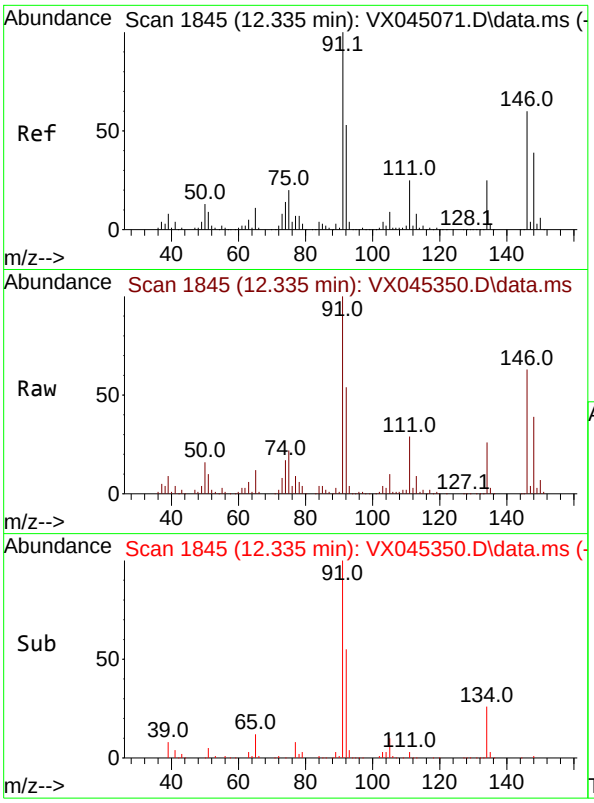


#90
Hexachloroethane
Concen: 21.372 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 15824

Ion	Ratio	Lower	Upper
117	100		
201	60.3	31.9	95.9

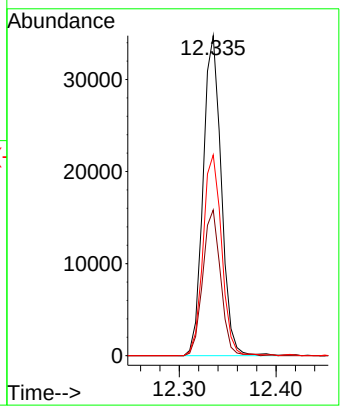




#91
1,2-Dichlorobenzene
Concen: 21.144 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 4544

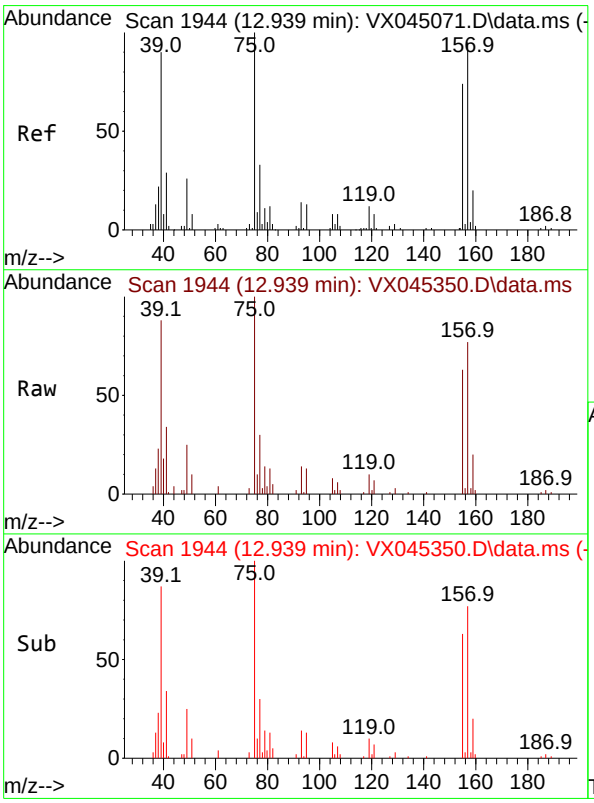
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	65.0
148	64.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

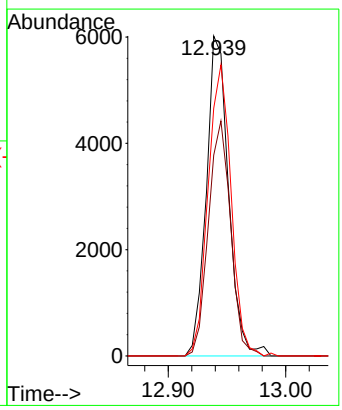
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

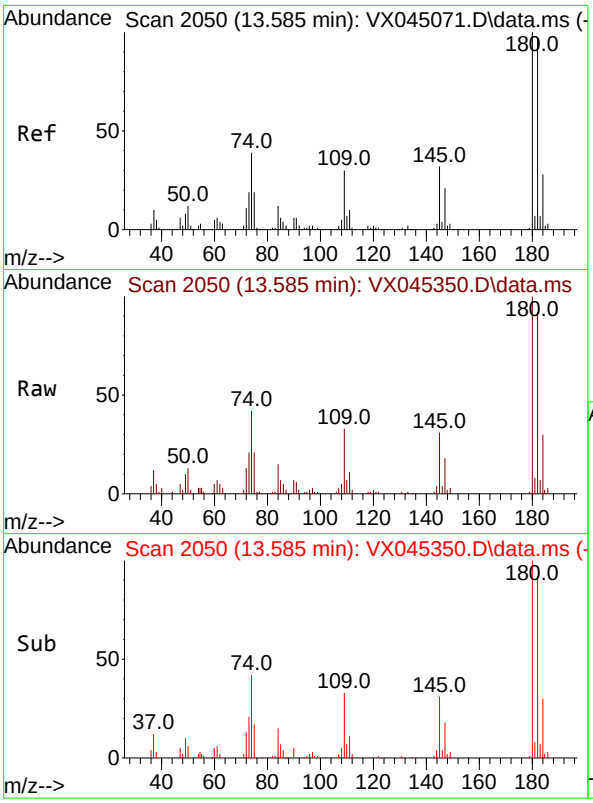


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.774 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 7923

Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.6	118.7
157	94.3	51.1	153.4

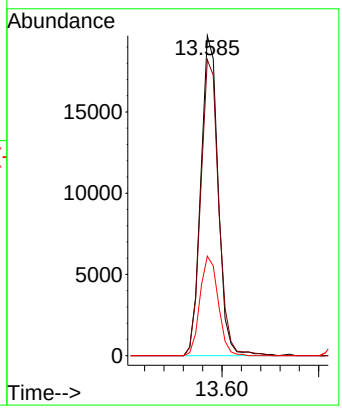




#93
1,2,4-Trichlorobenzene
Concen: 20.027 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:180 Resp: 2450

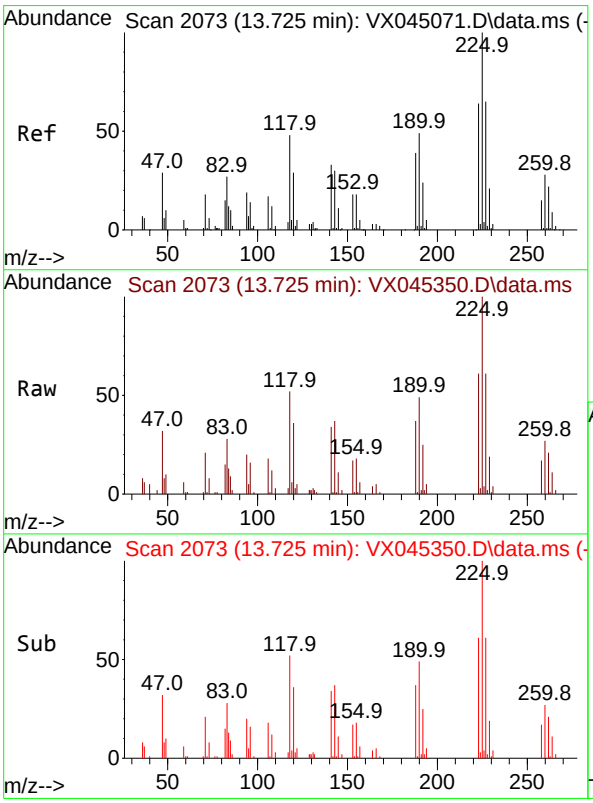
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

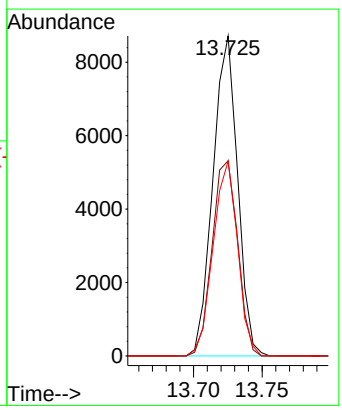
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

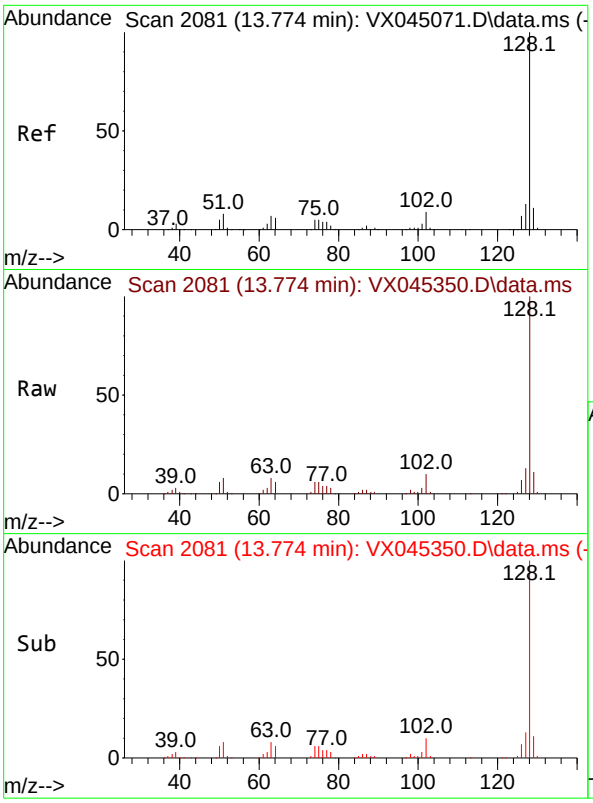


#94
Hexachlorobutadiene
Concen: 21.692 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:225 Resp: 10883

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	60.5	31.4	94.0

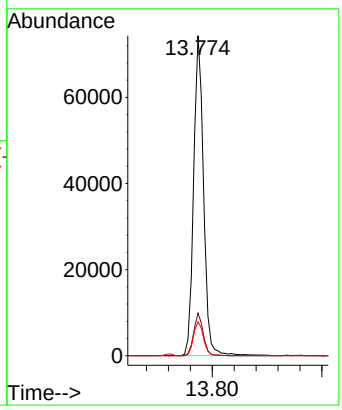




#95
Naphthalene
Concen: 20.032 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:128 Resp: 9418

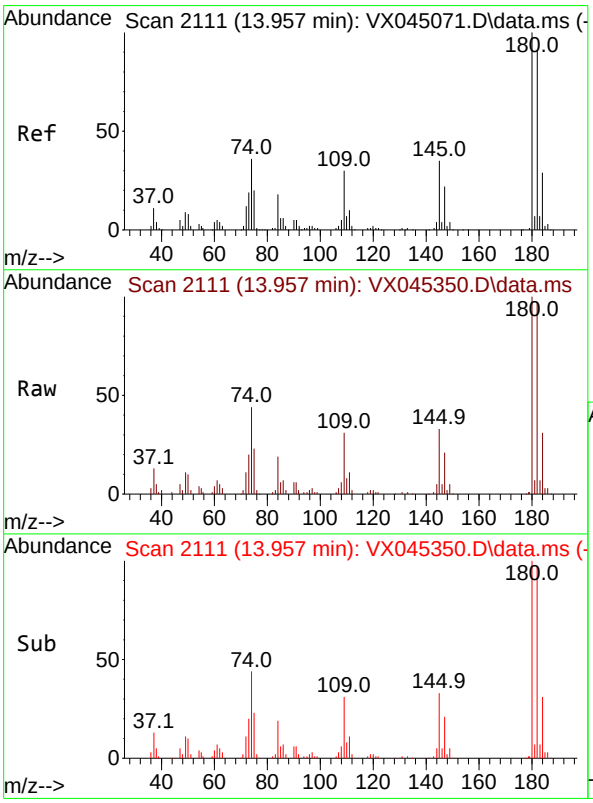
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Manual Integrations
APPROVED

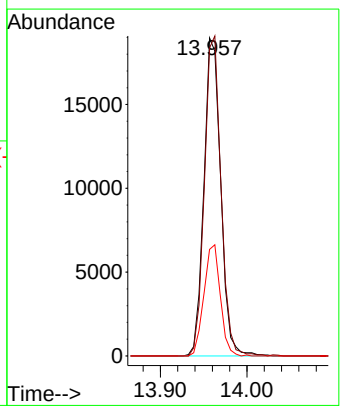
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.806 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:180 Resp: 25568

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.5	142.6
145	34.1	17.0	50.9



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:	VX0321WBS01	SDG No.:	Q1582
Lab Sample ID:	VX0321WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045378.D	1		03/21/25 11:15	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	15.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.3		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	26.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.2		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	19.1		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.8		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0321WBS01	SDG No.:	Q1582
Lab Sample ID:	VX0321WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045378.D	1		03/21/25 11:15	VX032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		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	21.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		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	20.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		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	54.8		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	96800	5.544				
540-36-3	1,4-Difluorobenzene	172000	6.757				
3114-55-4	Chlorobenzene-d5	152000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67300	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0321WBS01	SDG No.:	Q1582
Lab Sample ID:	VX0321WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045378.D	1		03/21/25 11:15	VX032125

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\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84283	54.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	5.379	113	62362	54.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	8.647	98	214191	51.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
62) 4-Bromofluorobenzene	11.079	95	75709	54.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21480	17.637	ug/l	98
3) Chloromethane	1.307	50	22820	15.311	ug/l	97
4) Vinyl Chloride	1.374	62	22773	15.402	ug/l	97
5) Bromomethane	1.593	94	10588	18.216	ug/l	97
6) Chloroethane	1.666	64	13149	19.280	ug/l	90
7) Trichlorofluoromethane	1.874	101	35122	17.944	ug/l	99
8) Diethyl Ether	2.136	74	12753	16.658	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	23148	20.585	ug/l	99
10) Methyl Iodide	2.447	142	25952	18.467	ug/l	95
11) Tert butyl alcohol	2.977	59	23822	81.717	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21513	18.095	ug/l	98
13) Acrolein	2.233	56	21483	63.751	ug/l	99
14) Allyl chloride	2.660	41	41510	19.614	ug/l	95
15) Acrylonitrile	3.062	53	77525	99.226	ug/l	99
16) Acetone	2.386	43	71194	99.703	ug/l	96
17) Carbon Disulfide	2.502	76	44077	13.919	ug/l	97
18) Methyl Acetate	2.703	43	44730	26.039	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	76764	19.245	ug/l	99
20) Methylene Chloride	2.782	84	26573	18.787	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	21498	18.303	ug/l	91
22) Diisopropyl ether	3.763	45	82977	19.279	ug/l	93
23) Vinyl Acetate	3.721	43	341214	94.998	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46682	19.353	ug/l	99
25) 2-Butanone	4.556	43	110748	103.037	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31567	27.900	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	28067	19.357	ug/l	95
28) Bromochloromethane	4.897	49	19780	17.204	ug/l	97
29) Tetrahydrofuran	5.007	42	69505	96.293	ug/l	99
30) Chloroform	5.086	83	48407	20.197	ug/l	99
31) Cyclohexane	5.458	56	38272	18.278	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	39203	20.252	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30230	19.120	ug/l	99
37) Ethyl Acetate	4.715	43	40284	19.773	ug/l	98
38) Carbon Tetrachloride	5.672	117	32250	20.091	ug/l	98
39) Methylcyclohexane	7.379	83	36277	19.149	ug/l	99
40) Benzene	6.031	78	95825	19.193	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23213	21.072	ug/l		99
42) 1,2-Dichloroethane	6.086	62	38881	21.626	ug/l		97
43) Isopropyl Acetate	6.342	43	59503	19.752	ug/l		98
44) Trichloroethene	7.123	130	21906	18.686	ug/l		100
45) 1,2-Dichloropropane	7.434	63	24666	19.215	ug/l		96
46) Dibromomethane	7.580	93	18645	20.550	ug/l		97
47) Bromodichloromethane	7.818	83	36796	20.676	ug/l		97
48) Methyl methacrylate	7.690	41	31076	20.561	ug/l		93
49) 1,4-Dioxane	7.659	88	11706	367.178	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	217755	107.651	ug/l		98
52) Toluene	8.714	92	58017	19.806	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	29944	20.126	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	34903	20.118	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	24624	20.419	ug/l		96
56) Ethyl methacrylate	9.116	69	36468	19.895	ug/l		92
57) 1,3-Dichloropropane	9.305	76	41844	20.051	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	82742	92.534	ug/l		99
59) 2-Hexanone	9.427	43	156185	106.568	ug/l		98
60) Dibromochloromethane	9.519	129	26419	20.953	ug/l		100
61) 1,2-Dibromoethane	9.610	107	24108	20.026	ug/l		98
64) Tetrachloroethene	9.275	164	19136	19.712	ug/l		95
65) Chlorobenzene	10.079	112	62607	19.520	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20934	19.599	ug/l		99
67) Ethyl Benzene	10.189	91	111231	19.903	ug/l		99
68) m/p-Xylenes	10.299	106	81773	39.971	ug/l		96
69) o-Xylene	10.640	106	40780	19.764	ug/l		97
70) Styrene	10.652	104	67582	20.243	ug/l		98
71) Bromoform	10.799	173	16152	20.054	ug/l	#	98
73) Isopropylbenzene	10.957	105	106888	20.350	ug/l		99
74) N-amyl acetate	10.841	43	48367	19.624	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	39325	20.402	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	31150m	19.888	ug/l		
77) Bromobenzene	11.195	156	24014	19.377	ug/l		96
78) n-propylbenzene	11.299	91	122726	20.684	ug/l		97
79) 2-Chlorotoluene	11.360	91	75398	19.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	88815	20.912	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8915	19.479	ug/l		85
82) 4-Chlorotoluene	11.451	91	83886	20.369	ug/l		100
83) tert-Butylbenzene	11.713	119	88650	20.315	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	88039	20.602	ug/l		97
85) sec-Butylbenzene	11.890	105	111484	21.328	ug/l		99
86) p-Isopropyltoluene	12.006	119	87777	20.779	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	42267	19.118	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	43137	19.286	ug/l		98
89) n-Butylbenzene	12.329	91	75986	20.885	ug/l		99
90) Hexachloroethane	12.536	117	15167	19.850	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	43534	19.630	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7492	19.952	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	23239	18.403	ug/l		98
94) Hexachlorobutadiene	13.725	225	10353	19.997	ug/l		98
95) Naphthalene	13.774	128	90512	18.655	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	24680	18.526	ug/l		99

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Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

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

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

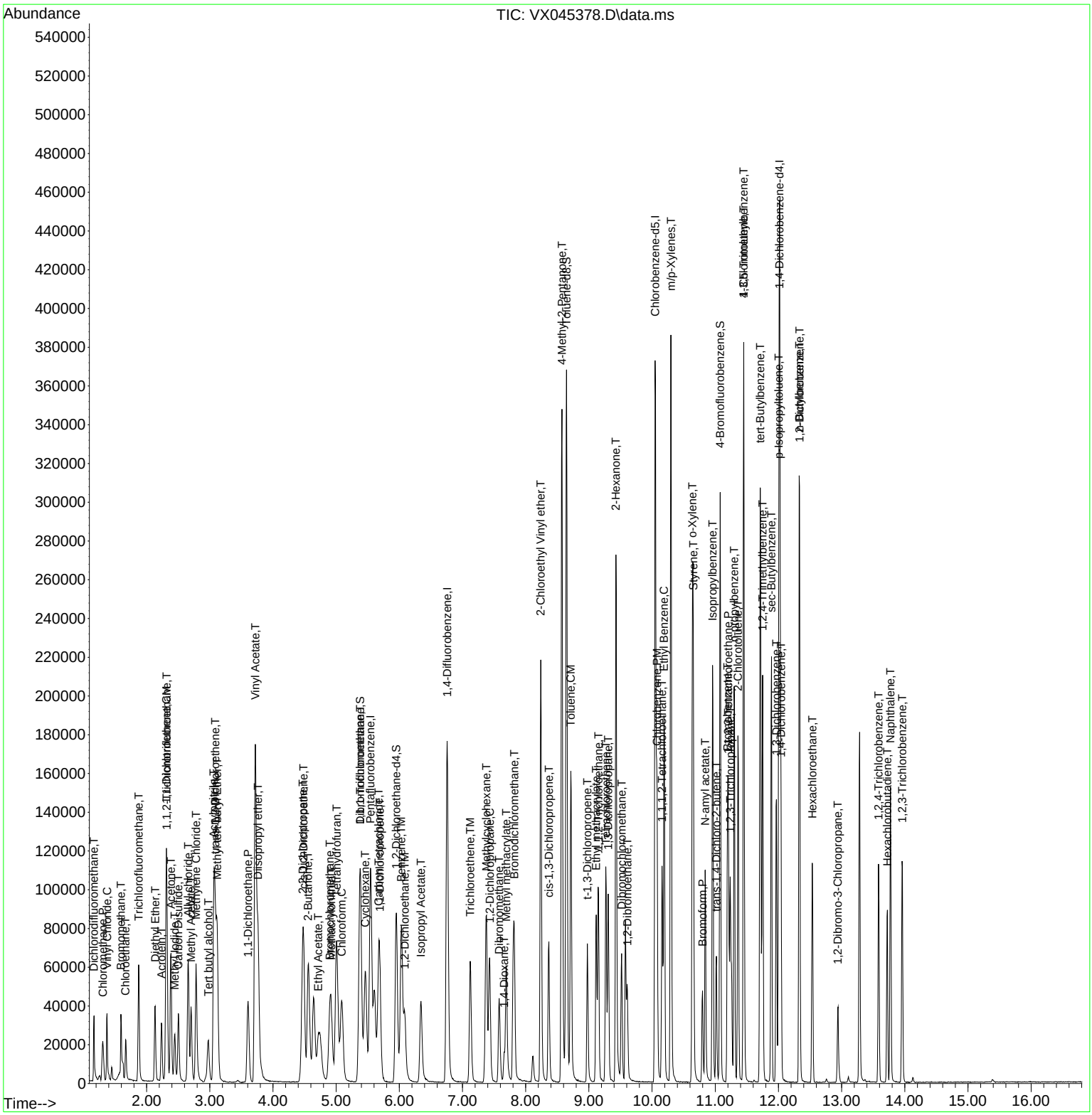
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Sample : VX0321WBS01
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ALS Vial : 5 Sample Multiplier: 1

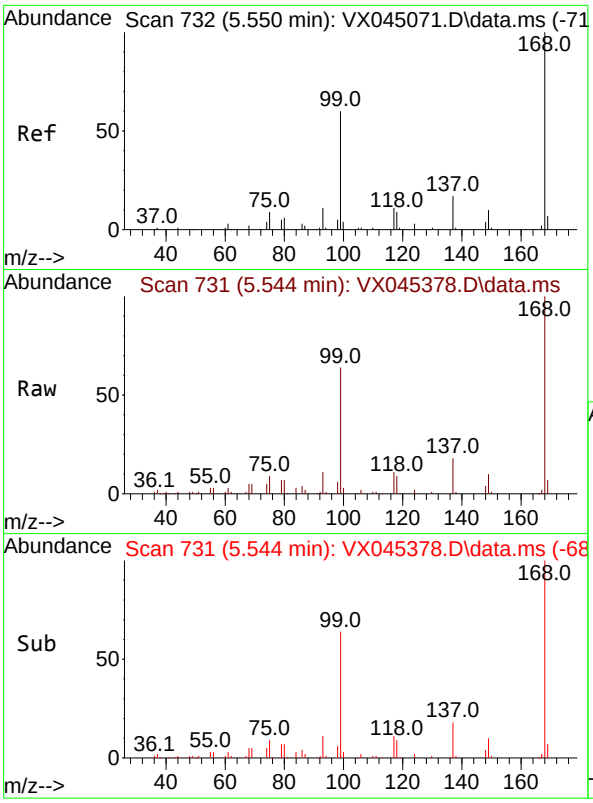
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

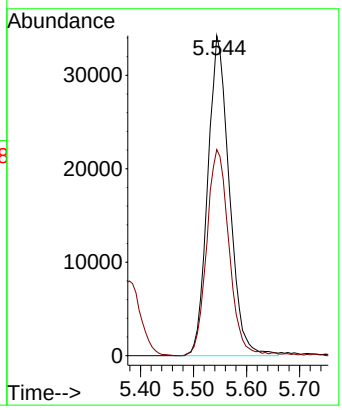




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:168 Resp: 9675

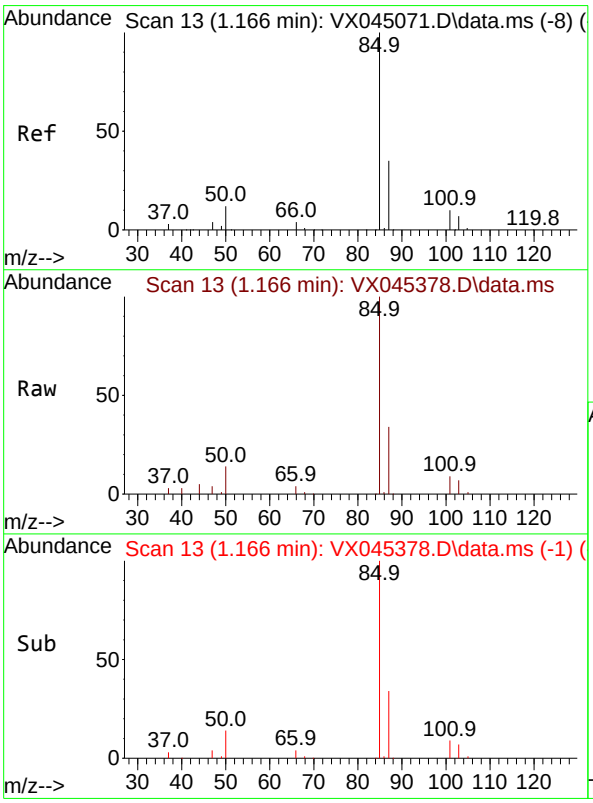
Ion	Ratio	Lower	Upper
168	100		
99	64.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

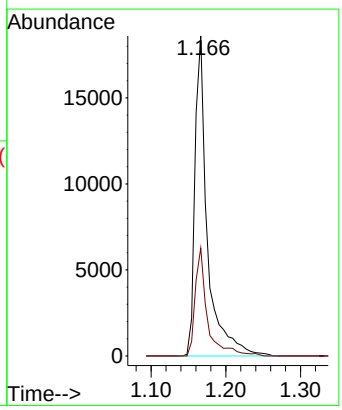
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

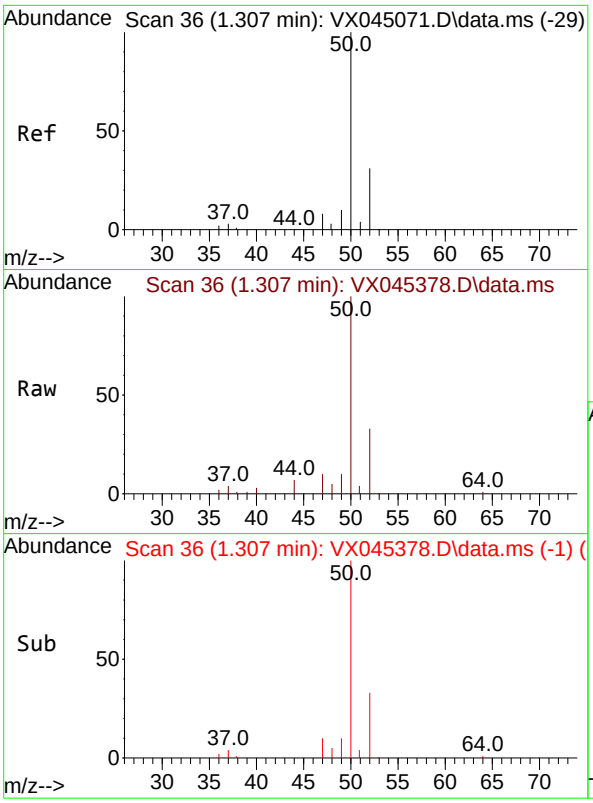


#2
Dichlorodifluoromethane
Concen: 17.637 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 85 Resp: 21480

Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.4	52.3

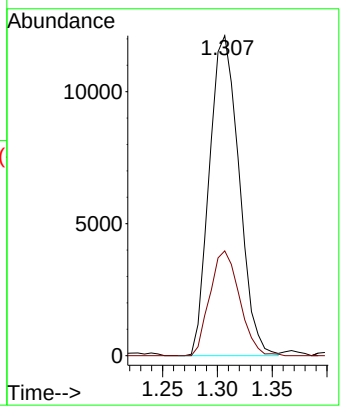




#3
Chloromethane
Concen: 15.311 ug/l
RT: 1.307 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 50 Resp: 2282(

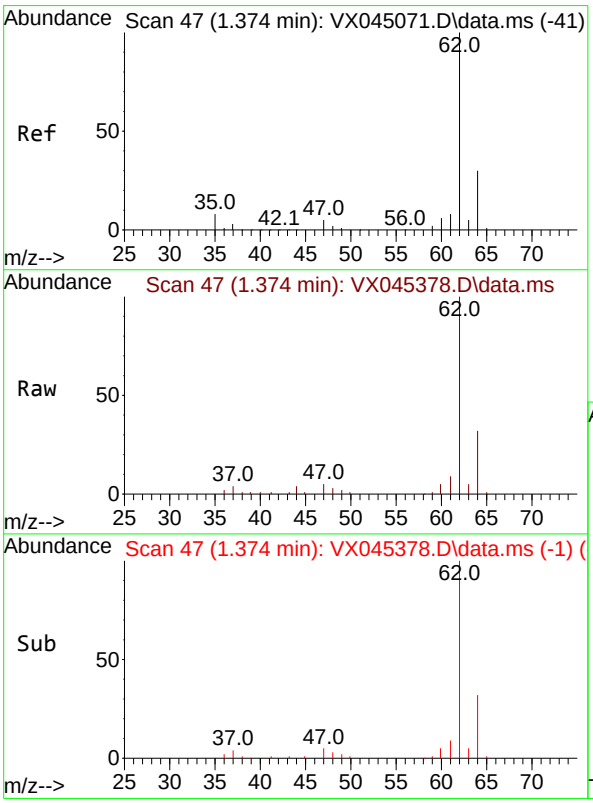
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

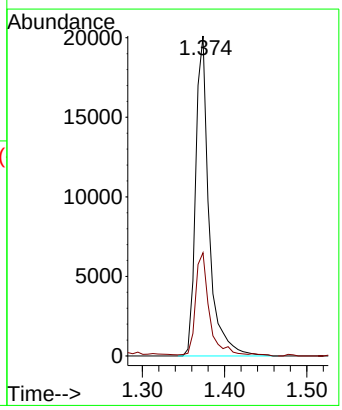
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

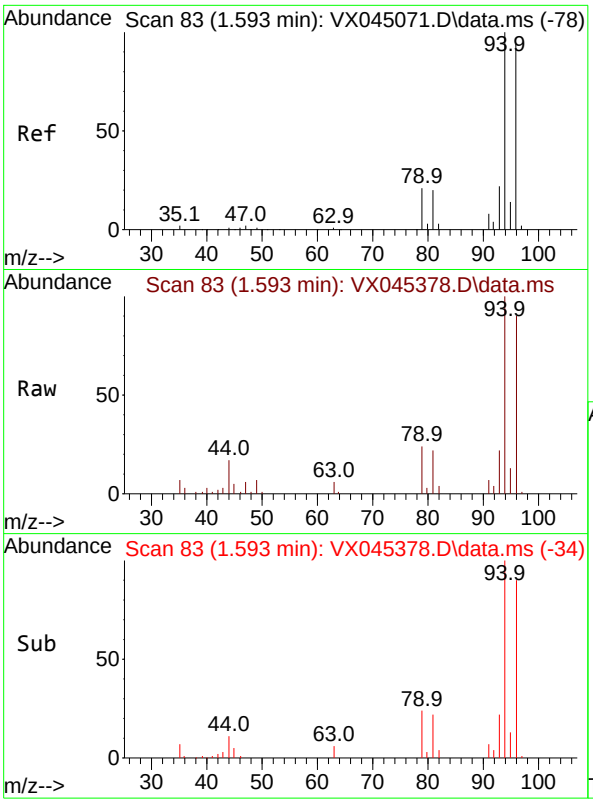


#4
Vinyl Chloride
Concen: 15.402 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 22773

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

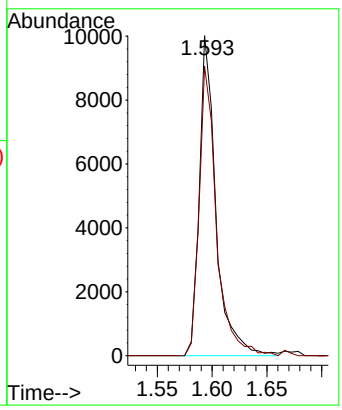




#5
Bromomethane
Concen: 18.216 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 94 Resp: 1058

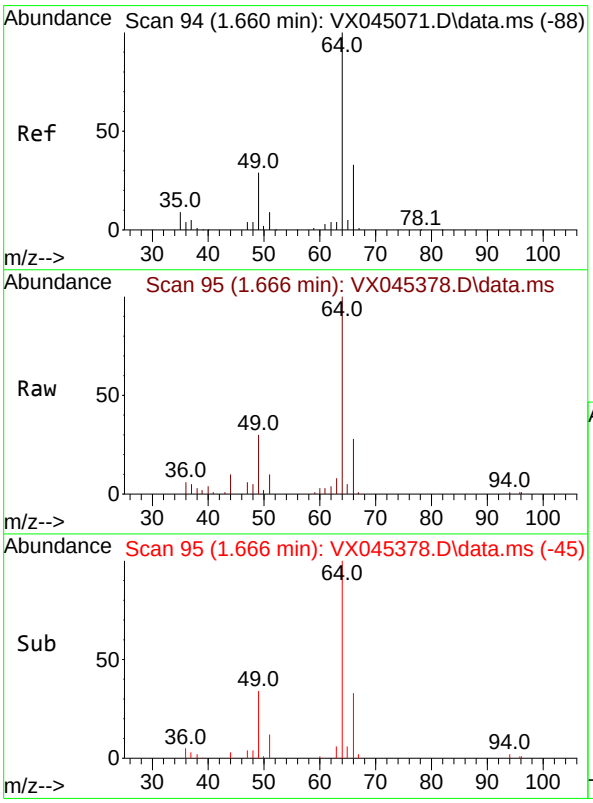
Ion	Ratio	Lower	Upper
94	100		
96	90.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

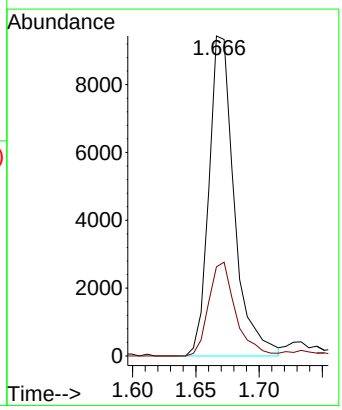
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

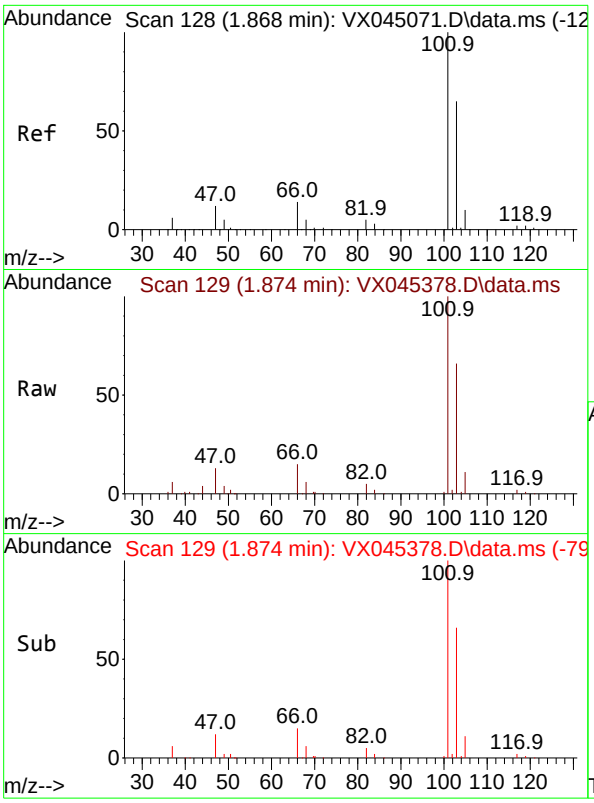


#6
Chloroethane
Concen: 19.280 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 64 Resp: 13149

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.7	40.1

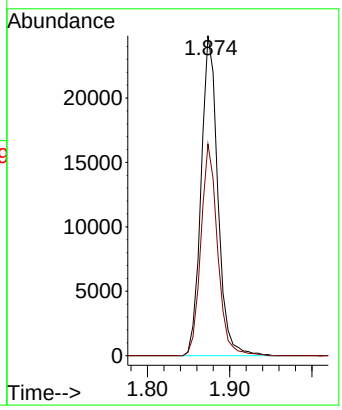




#7
Trichlorofluoromethane
Concen: 17.944 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:101 Resp: 3512

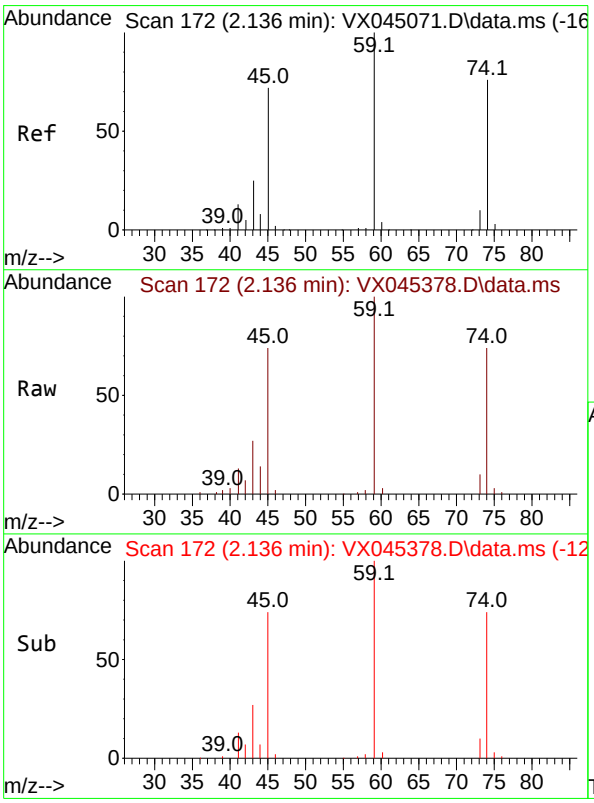
Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

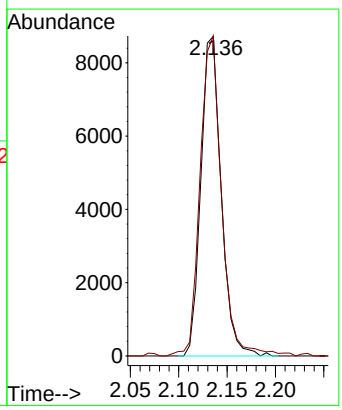
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

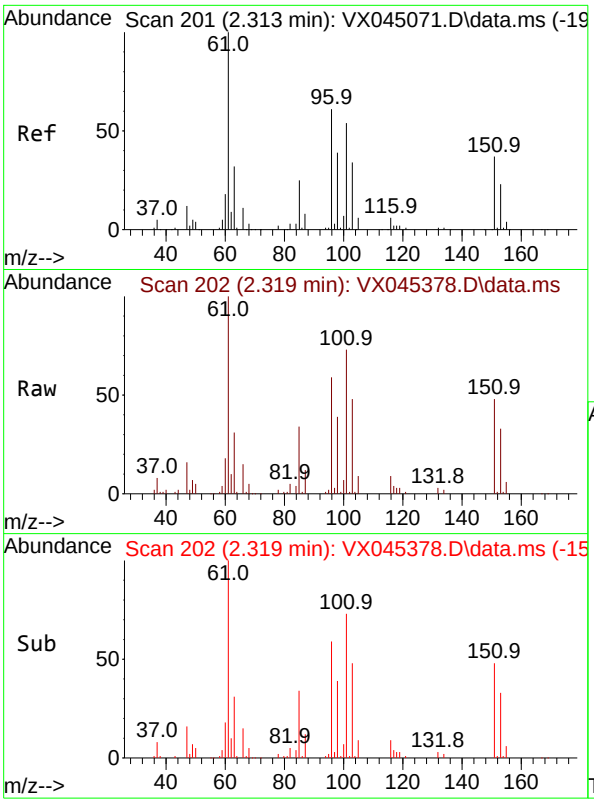


#8
Diethyl Ether
Concen: 16.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 74 Resp: 12753

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5

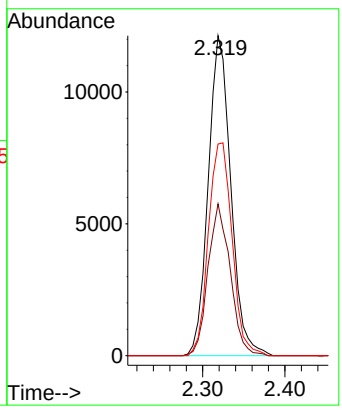




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.585 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:101 Resp: 2314

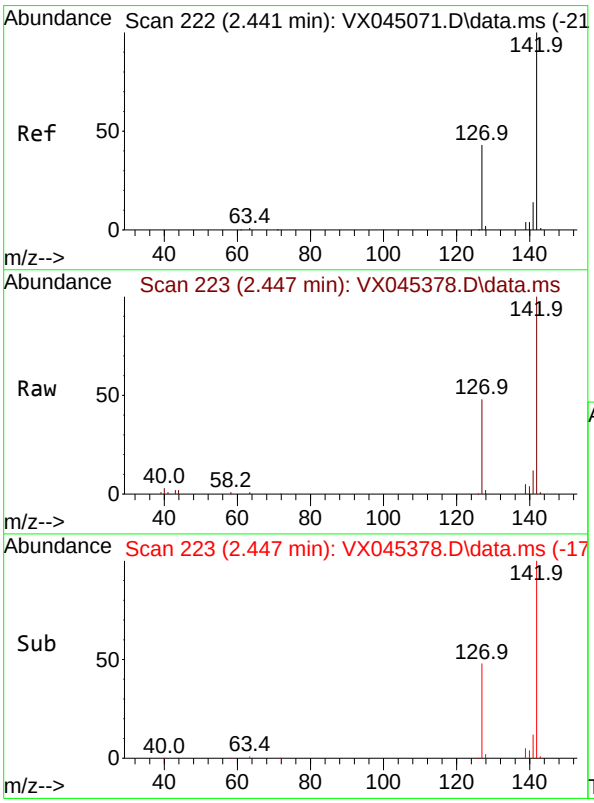
Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

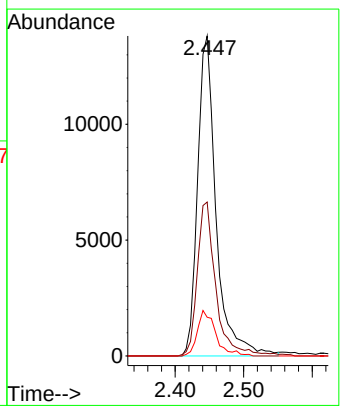
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

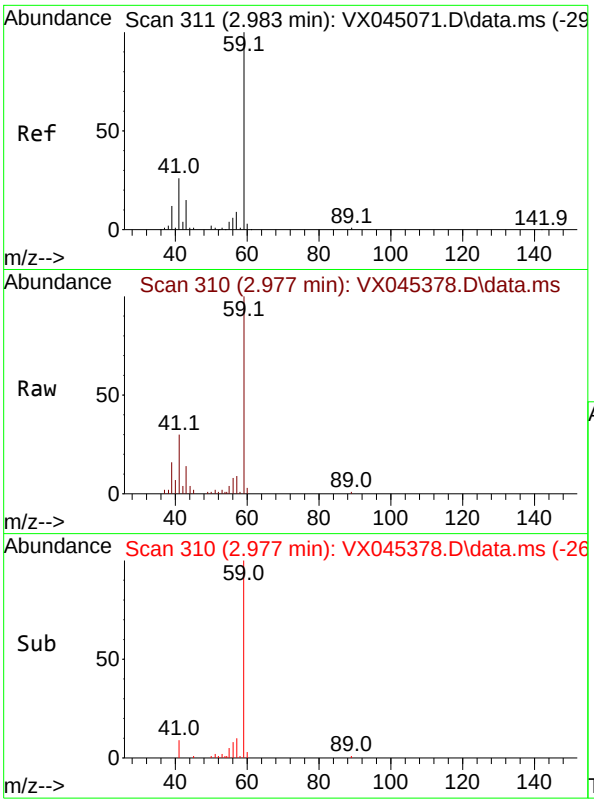


#10
Methyl Iodide
Concen: 18.467 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:142 Resp: 25952

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.4	53.2
141	14.2	11.6	17.4

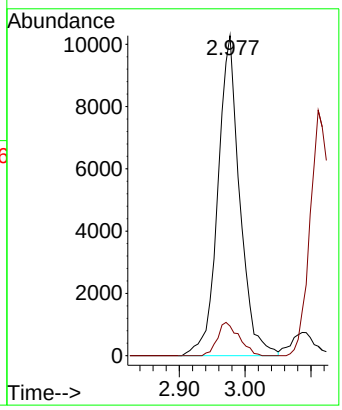




#11
Tert butyl alcohol
Concen: 81.717 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 59 Resp: 2382

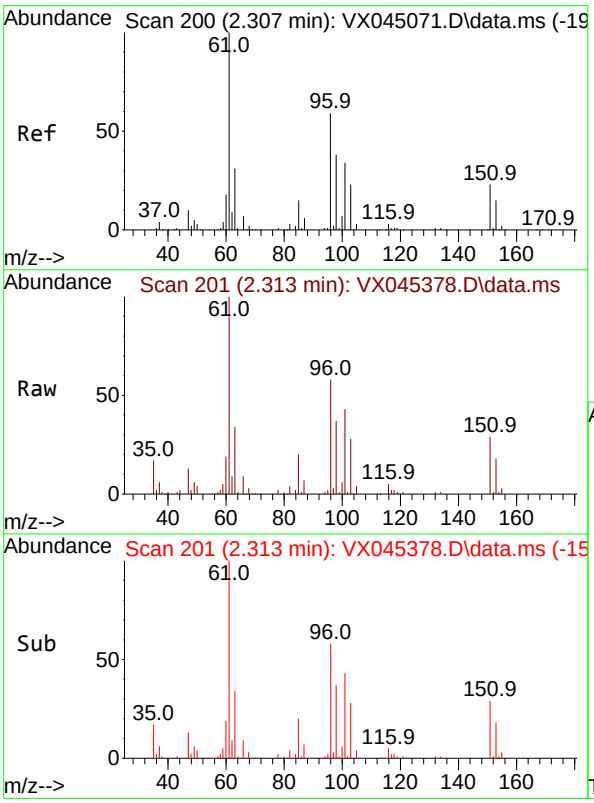
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

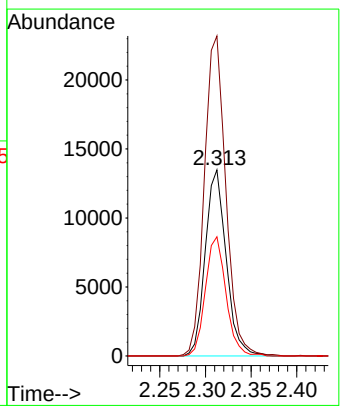
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

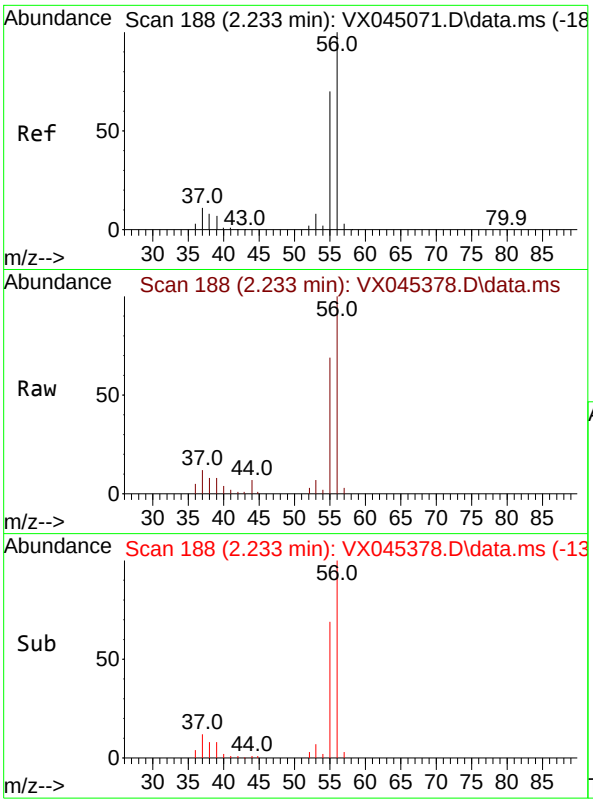


#12
1,1-Dichloroethene
Concen: 18.095 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 21513

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.6	202.0
98	64.1	51.0	76.6

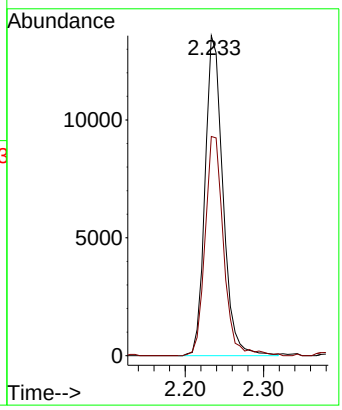




#13
Acrolein
Concen: 63.751 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 56 Resp: 2148

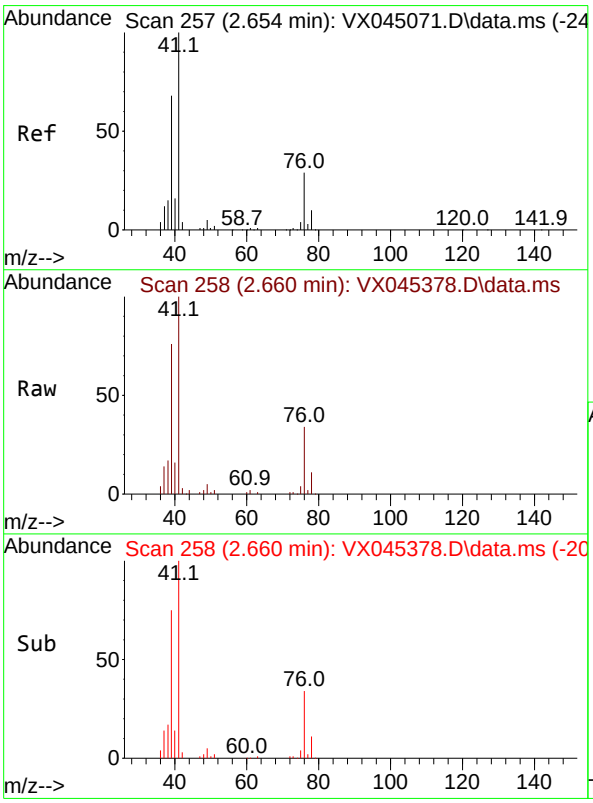
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

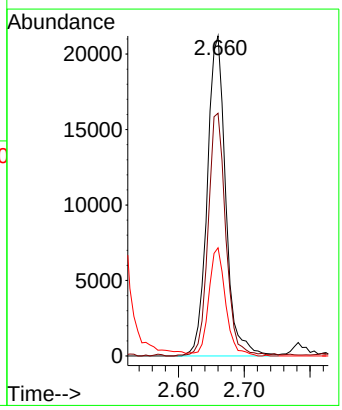
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

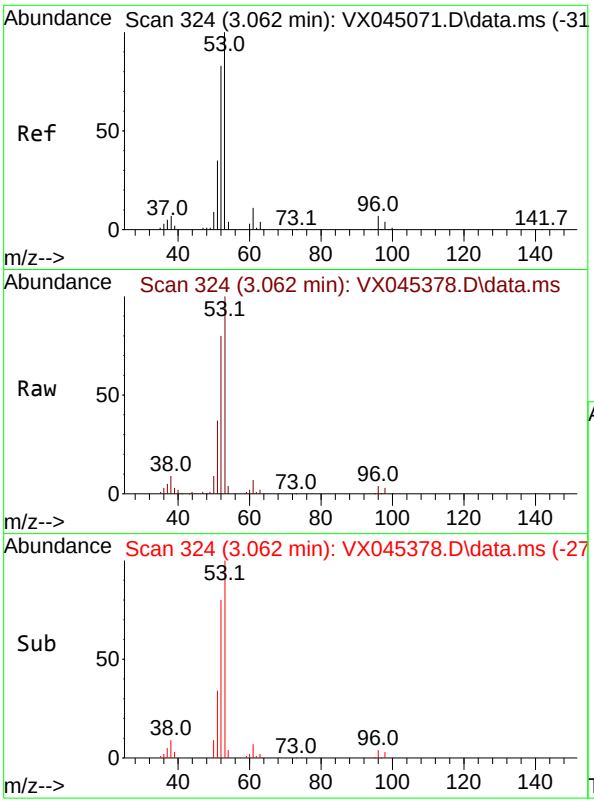


#14
Allyl chloride
Concen: 19.614 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 41510

Ion	Ratio	Lower	Upper
41	100		
39	72.3	53.8	80.8
76	30.6	25.2	37.8





#15
Acrylonitrile
Concen: 99.226 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

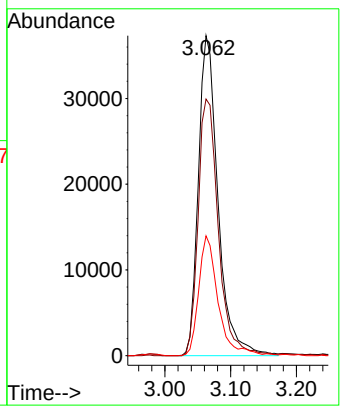
Tgt Ion: 53 Resp: 7752

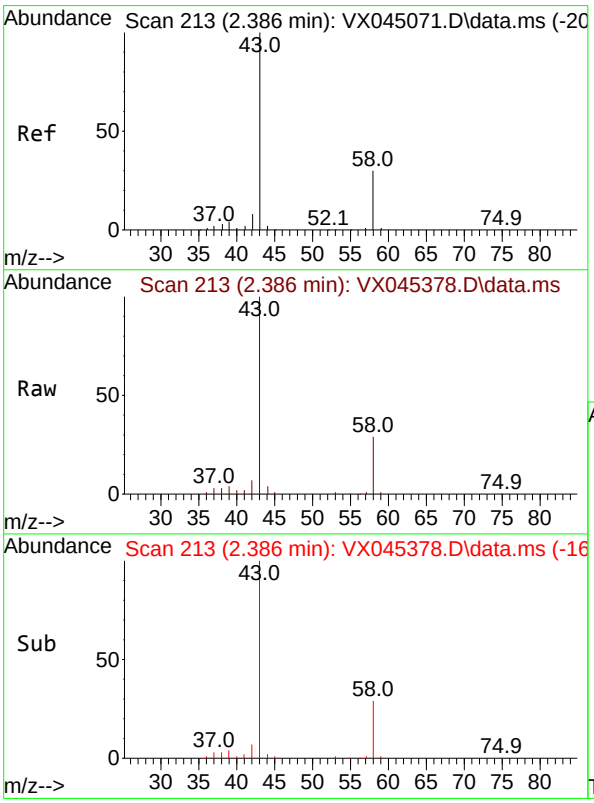
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.0	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

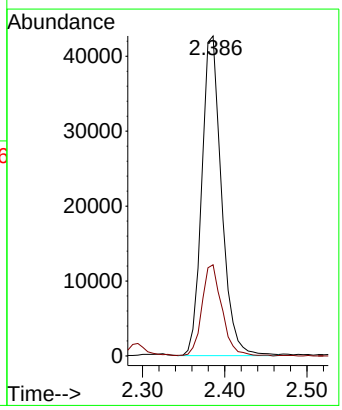


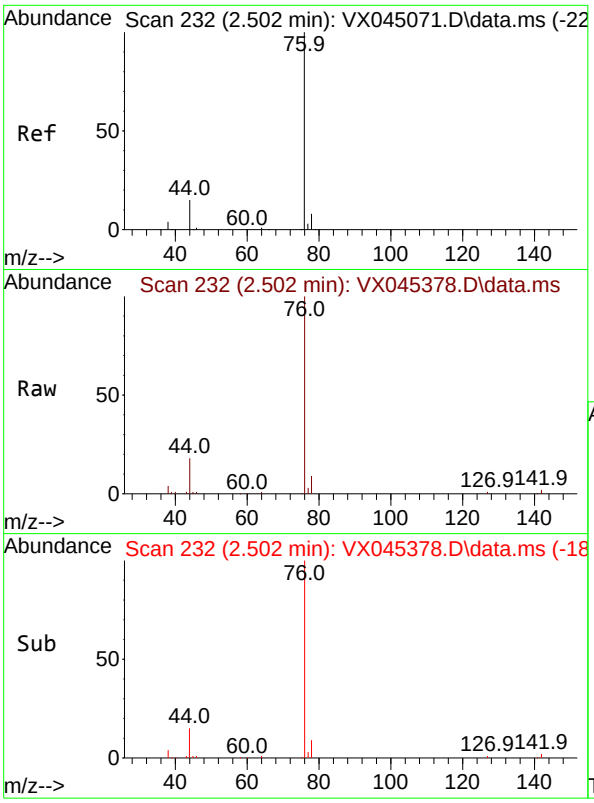


#16
Acetone
Concen: 99.703 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 71194

Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.2	36.4

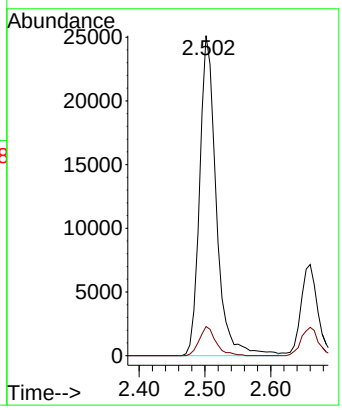




#17
Carbon Disulfide
Concen: 13.919 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 76 Resp: 4407

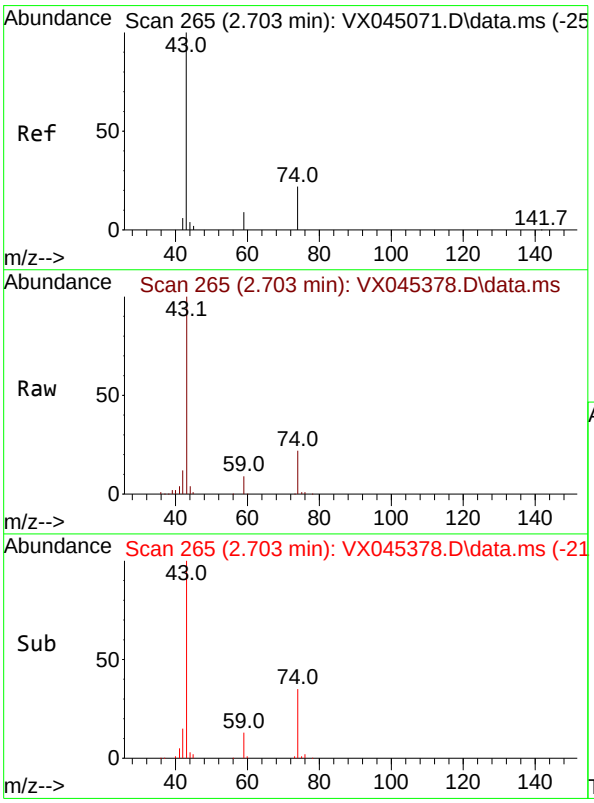
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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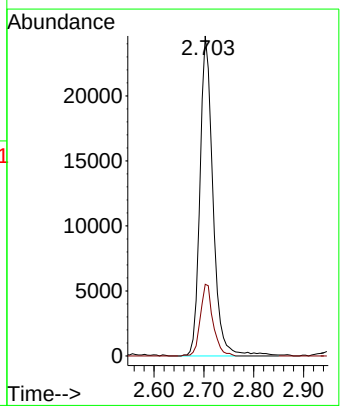
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

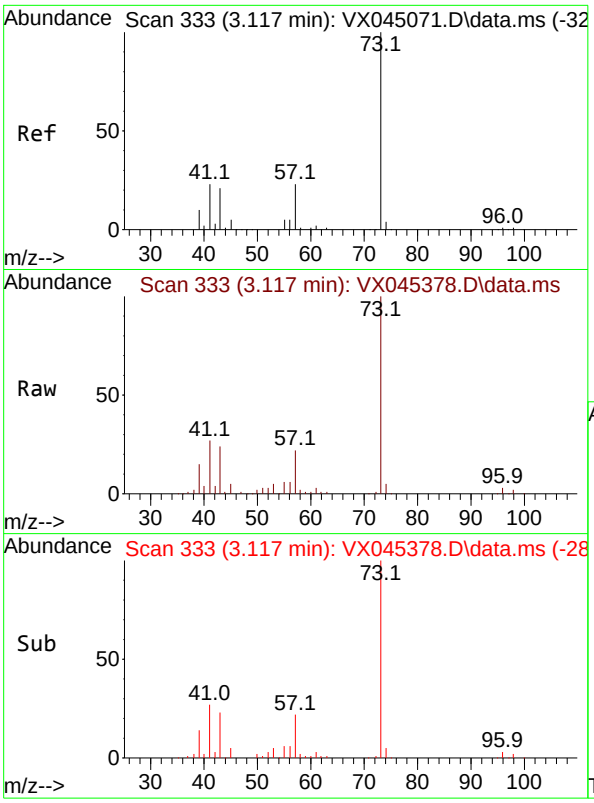


#18
Methyl Acetate
Concen: 26.039 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 44730

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

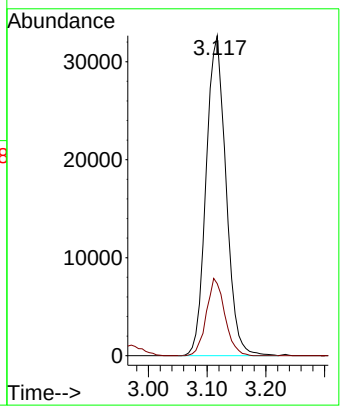




#19
Methyl tert-butyl Ether
Concen: 19.245 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 73 Resp: 7676

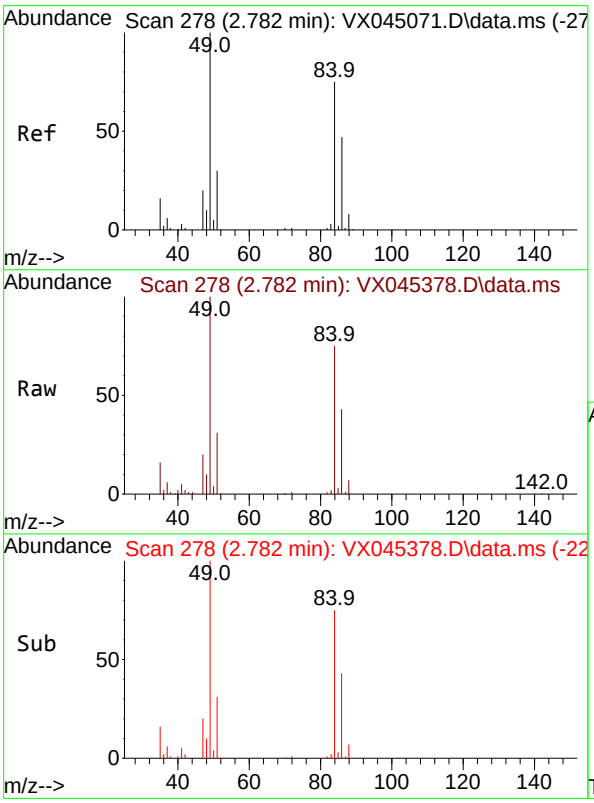
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

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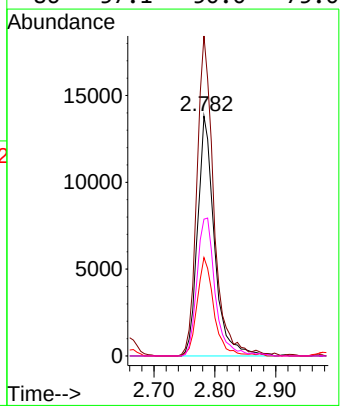
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

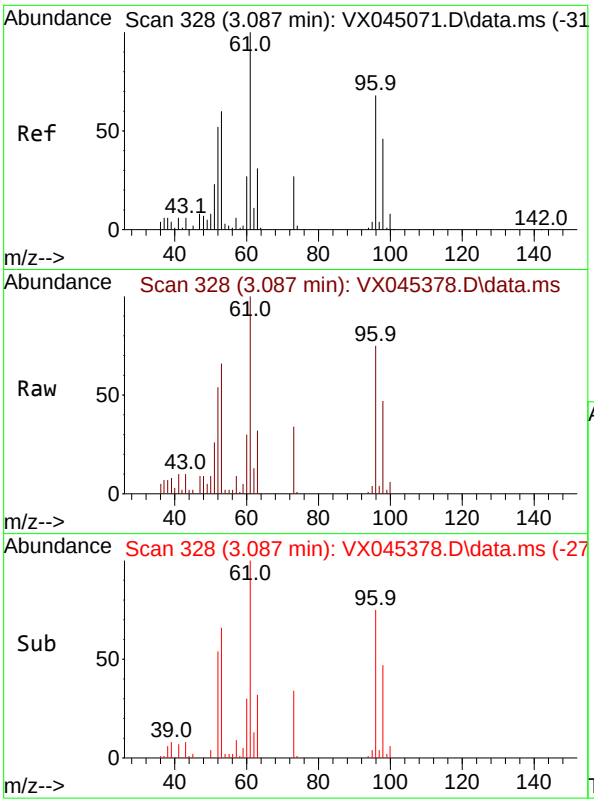


#20
Methylene Chloride
Concen: 18.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 84 Resp: 26573

Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.5	159.7
51	41.0	32.1	48.1
86	57.1	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.303 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

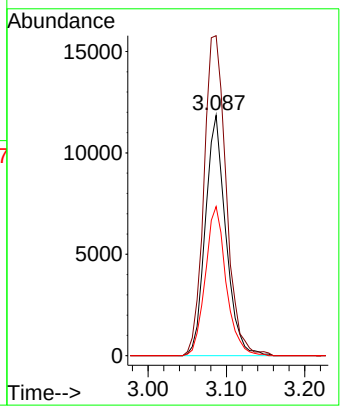
Tgt Ion: 96 Resp: 2149

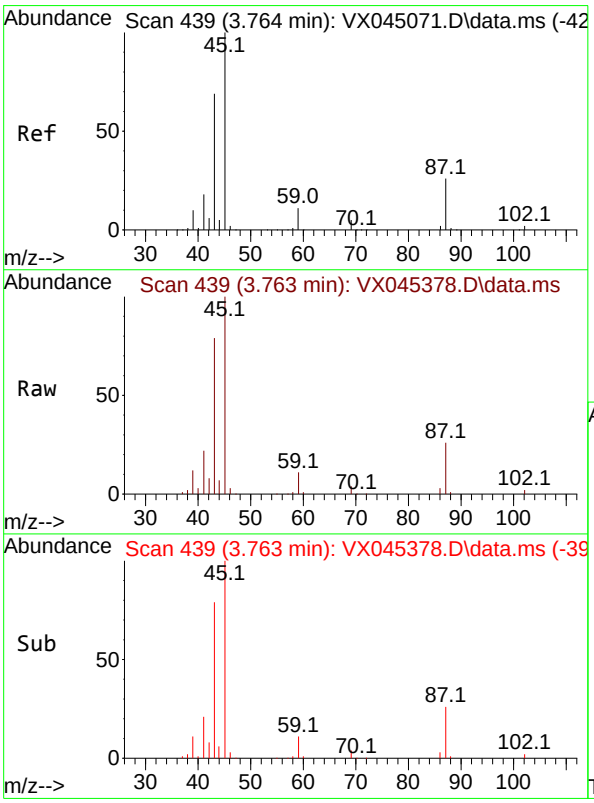
Ion	Ratio	Lower	Upper
96	100		
61	133.1	117.0	175.4
98	62.0	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

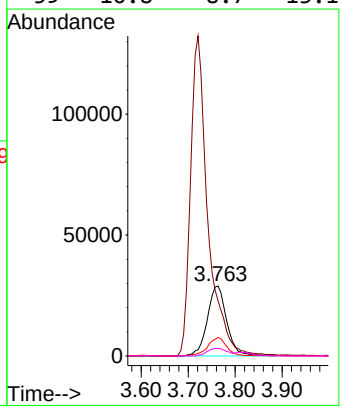


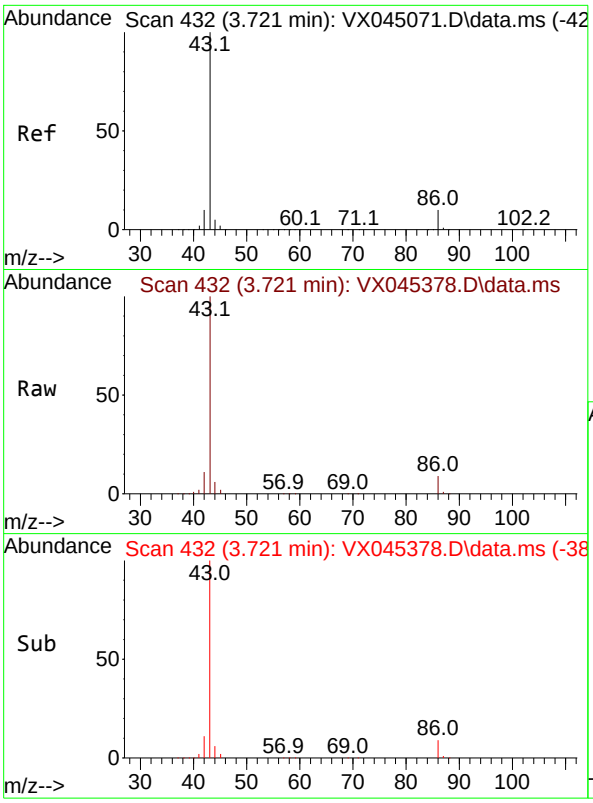


#22
Diisopropyl ether
Concen: 19.279 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 45 Resp: 82977

Ion	Ratio	Lower	Upper
45	100		
43	77.9	54.9	82.3
87	26.3	21.0	31.4
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 94.998 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

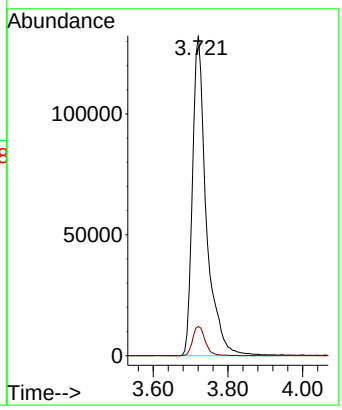
Tgt Ion: 43 Resp: 34121

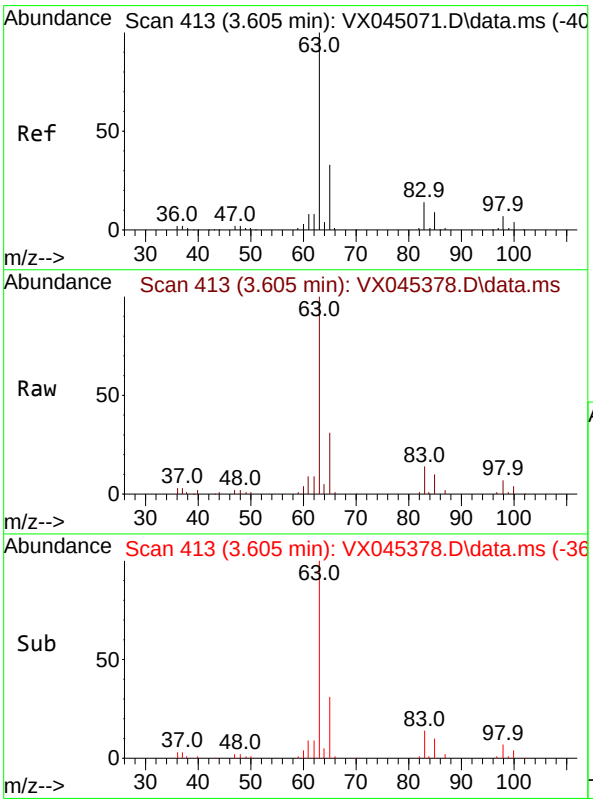
Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

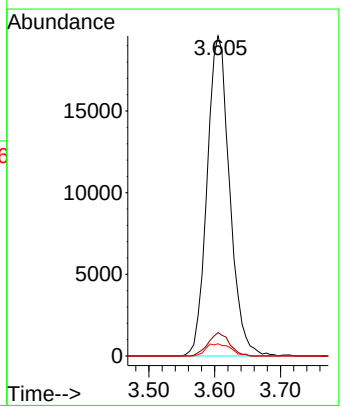


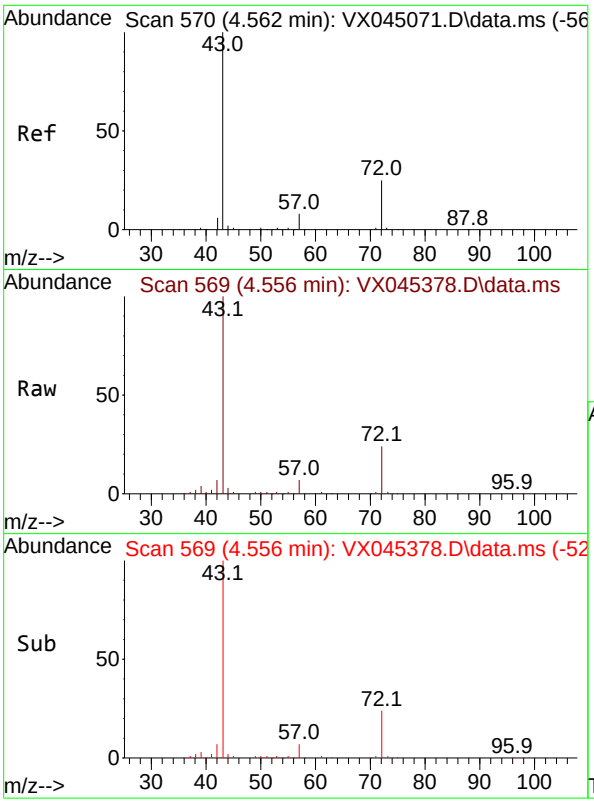


#24
1,1-Dichloroethane
Concen: 19.353 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 46682

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 103.037 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

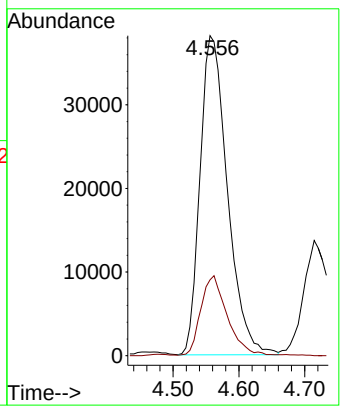
Tgt Ion: 43 Resp: 11074

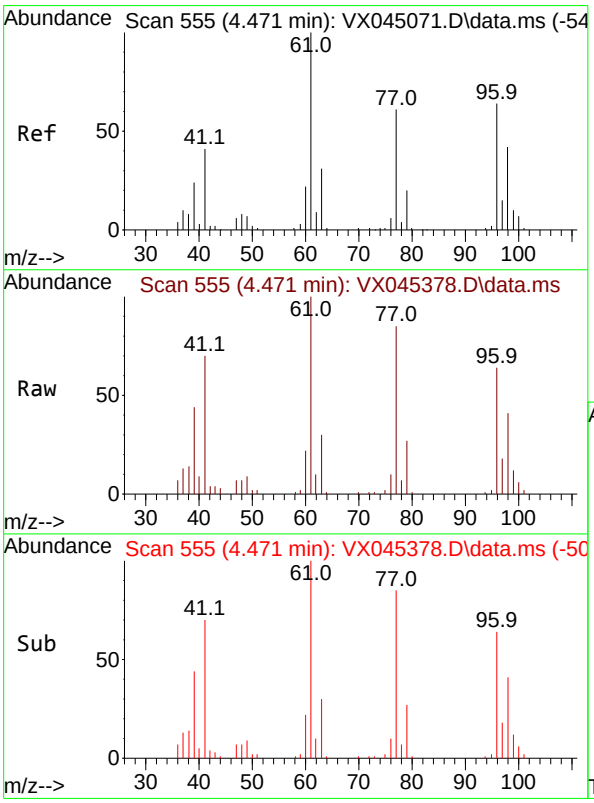
Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

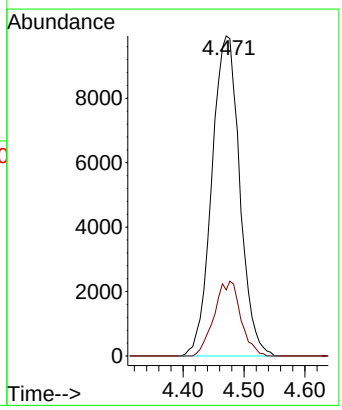


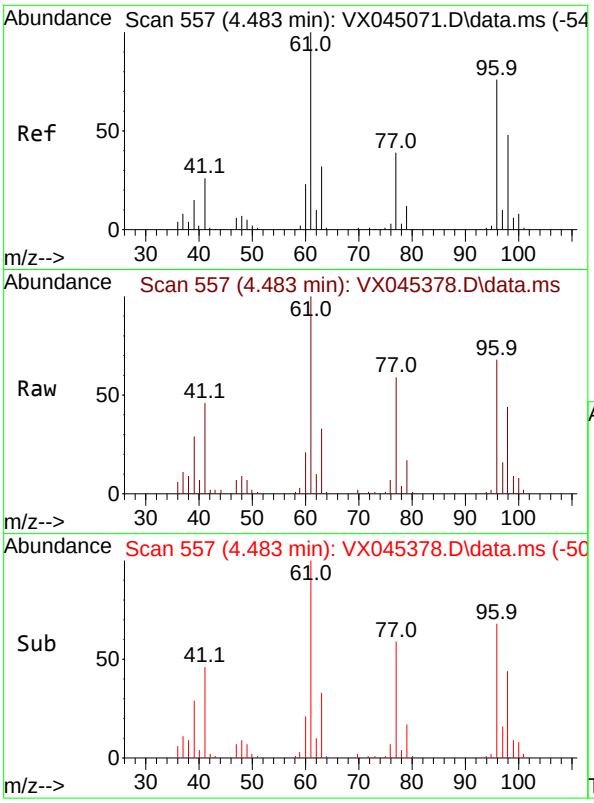


#26
2,2-Dichloropropane
Concen: 27.900 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 77 Resp: 31567

Ion	Ratio	Lower	Upper
77	100		
97	22.2	12.4	37.0

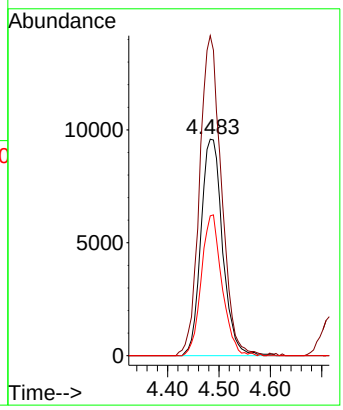




#27
cis-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 2806

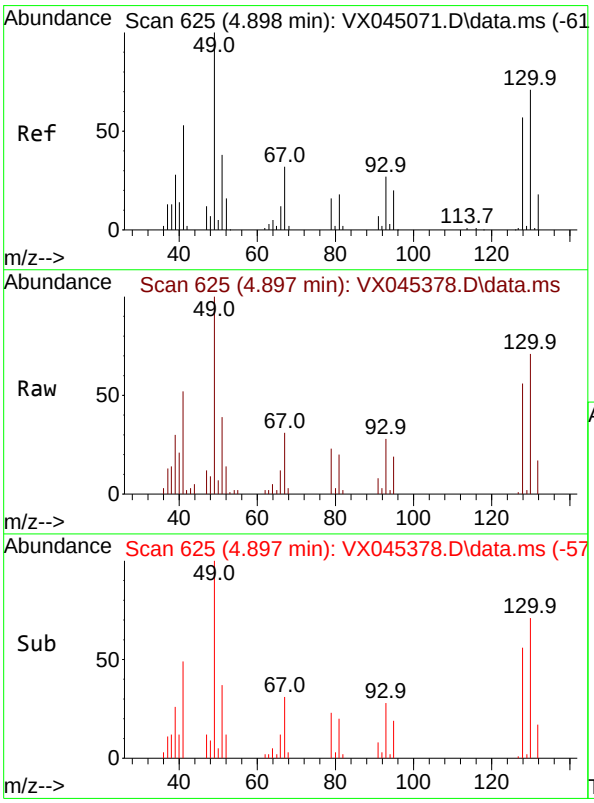
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	283.2
98	62.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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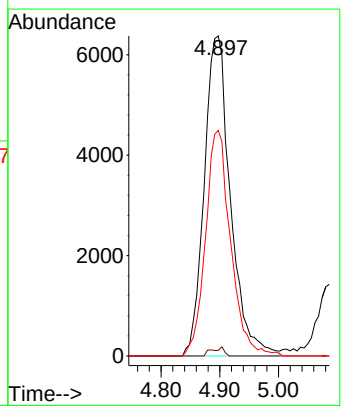
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

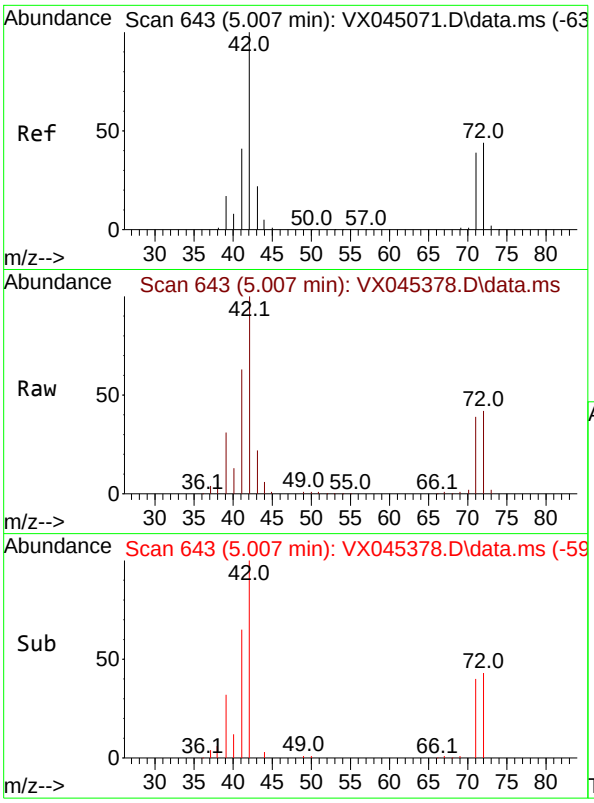


#28
Bromochloromethane
Concen: 17.204 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 49 Resp: 19780

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	67.6	56.1	84.1

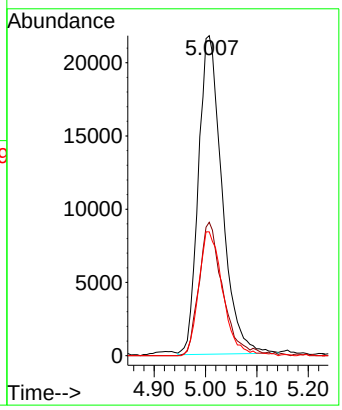




#29
Tetrahydrofuran
Concen: 96.293 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 42 Resp: 6950

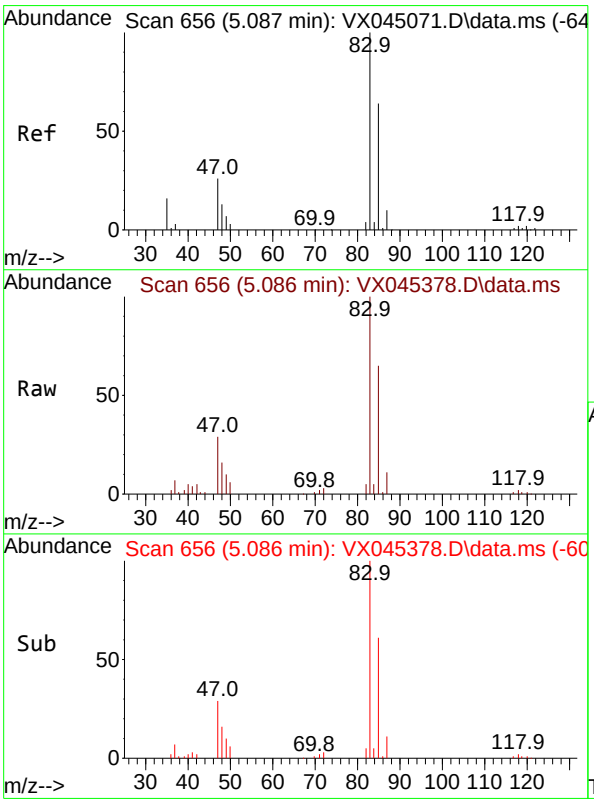
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	39.8	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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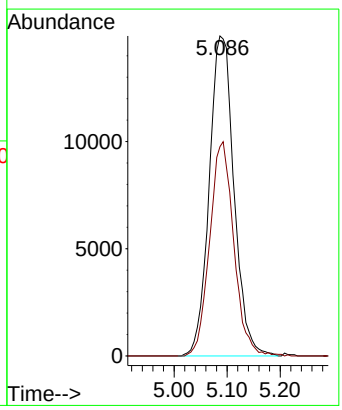
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

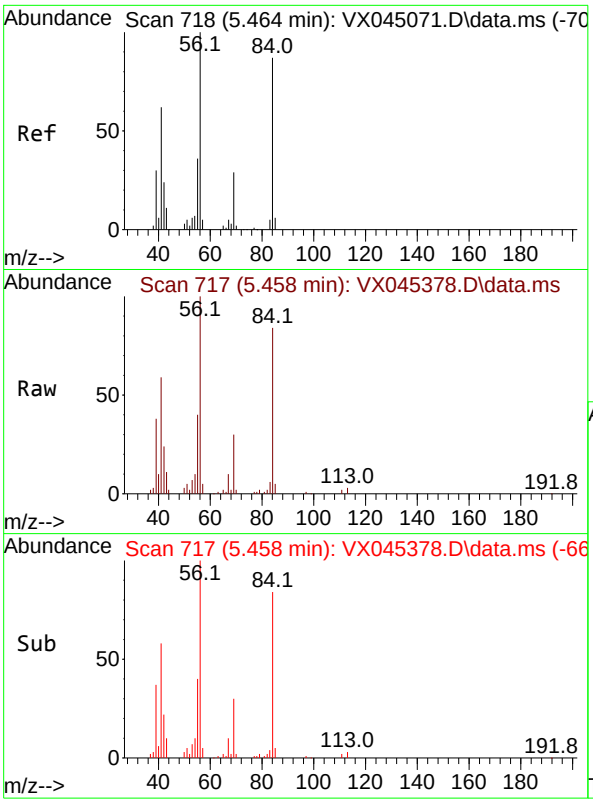


#30
Chloroform
Concen: 20.197 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 48407

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2

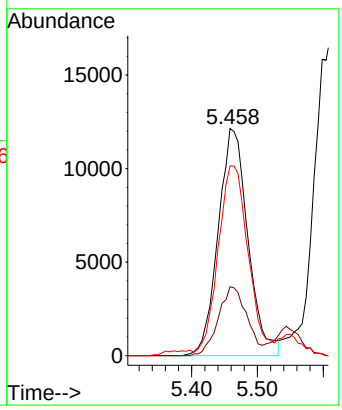




#31
Cyclohexane
Concen: 18.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 56 Resp: 3827

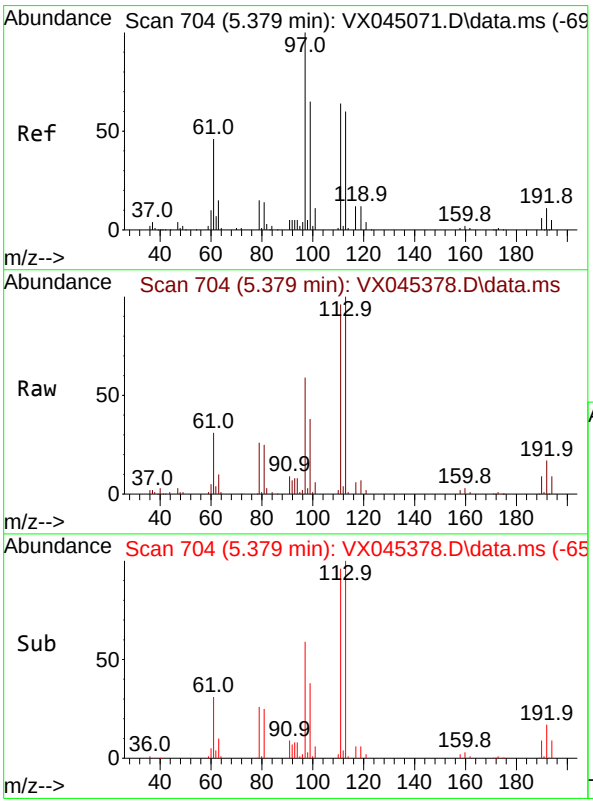
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	81.7	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

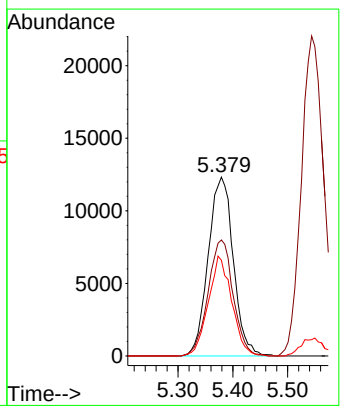
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

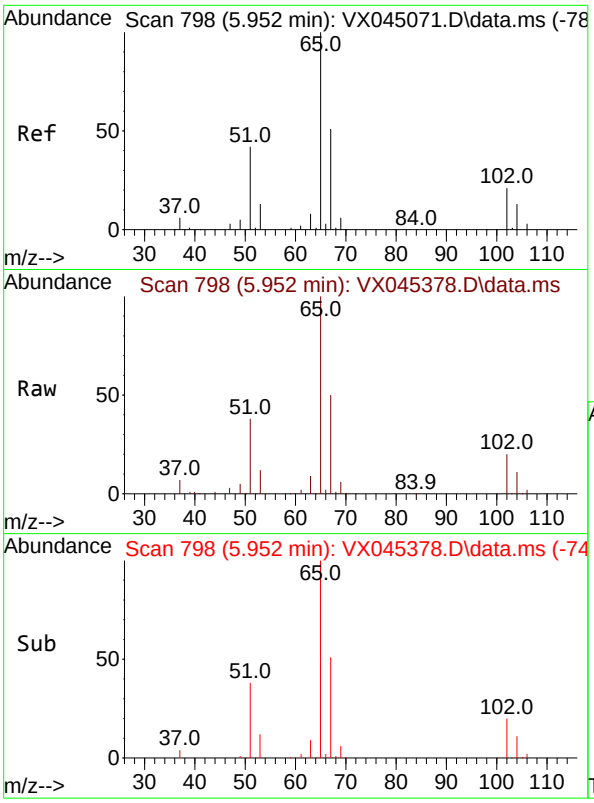


#32
1,1,1-Trichloroethane
Concen: 20.252 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 97 Resp: 39203

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	52.1	38.4	57.6

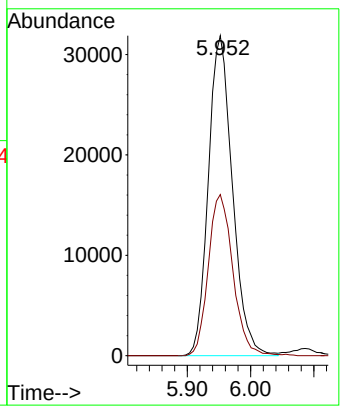




#33
1,2-Dichloroethane-d4
Concen: 54.764 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 65 Resp: 8428

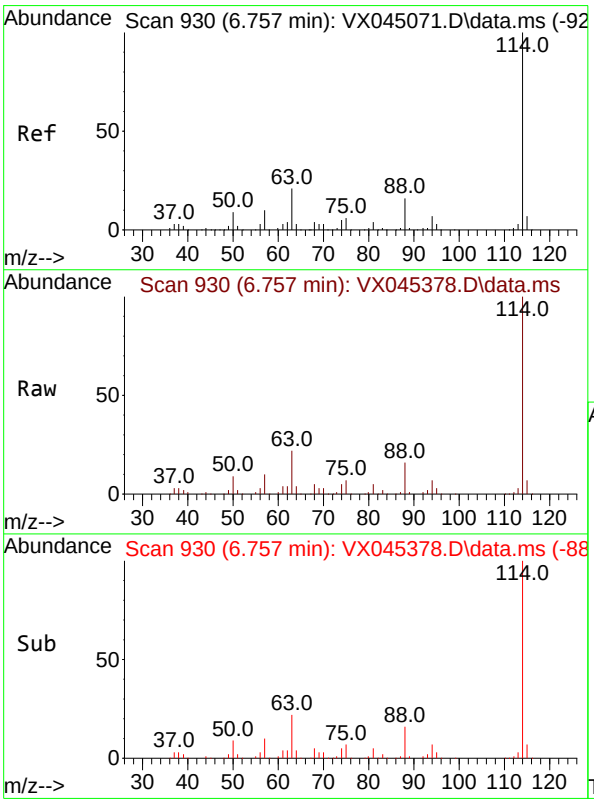
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

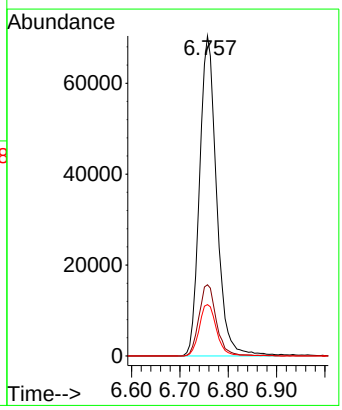
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

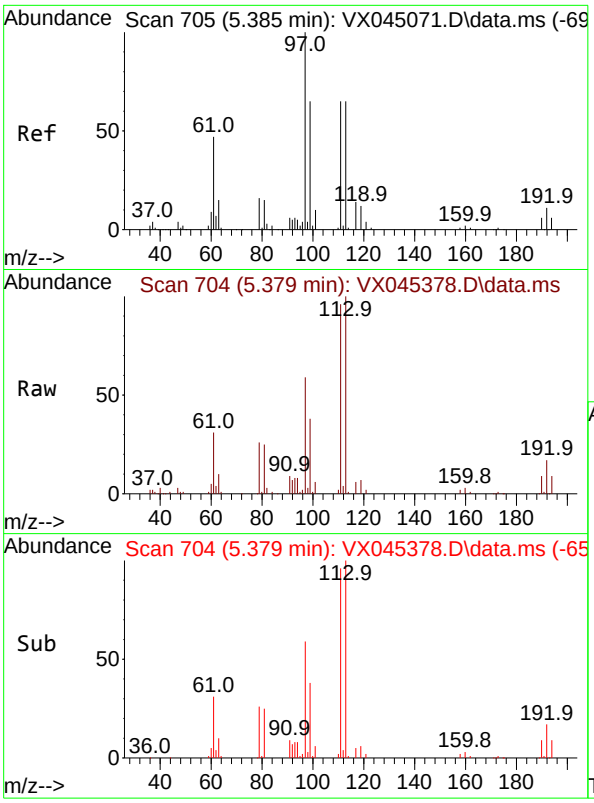


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:114 Resp: 172413

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.0	0.0	32.8

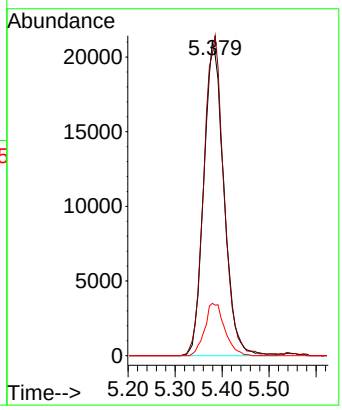




#35
Dibromofluoromethane
Concen: 54.092 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:113 Resp: 6236

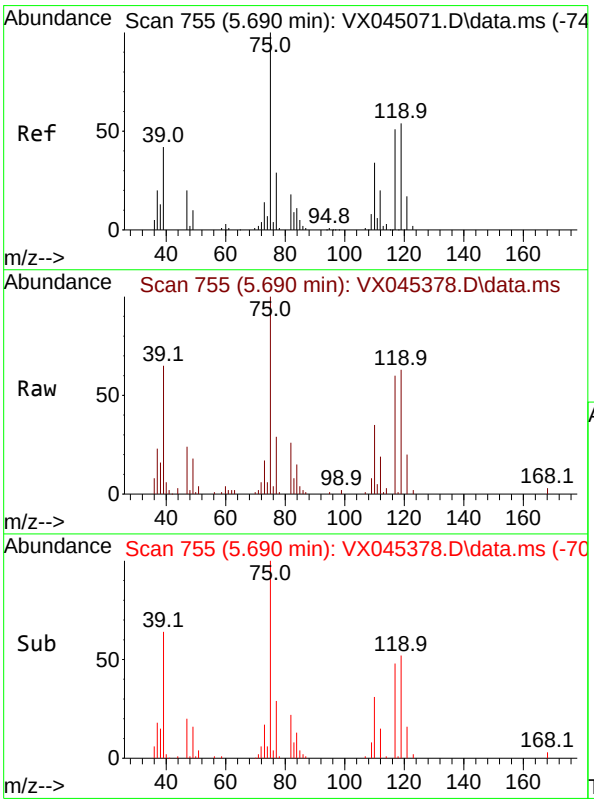
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	16.6	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

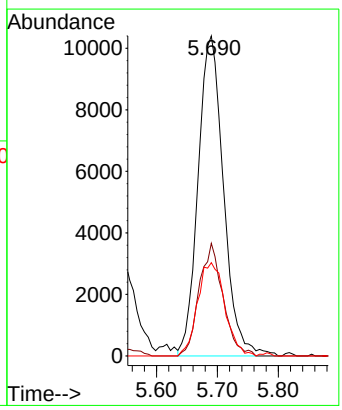
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

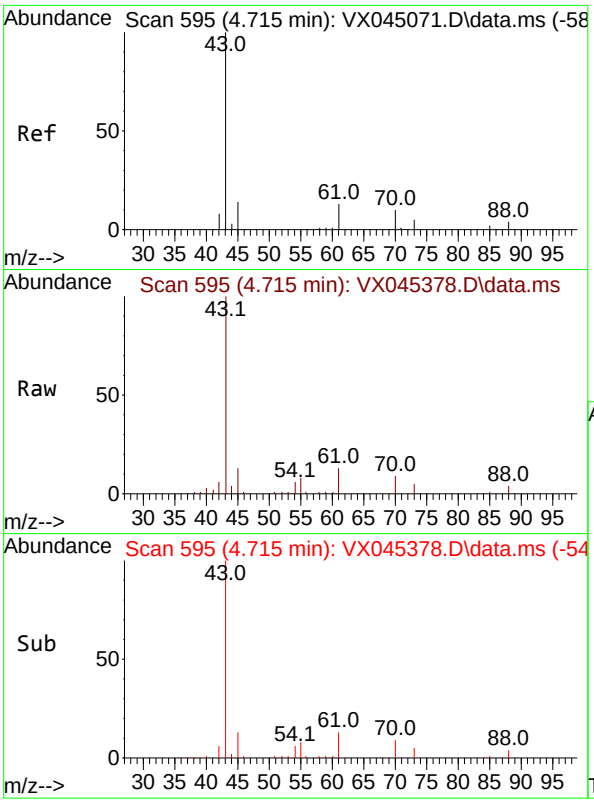


#36
1,1-Dichloropropene
Concen: 19.120 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 30230

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	31.1	24.5	36.7

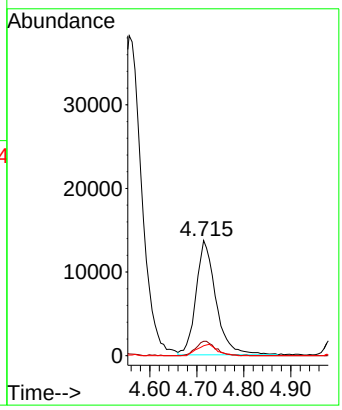




#37
Ethyl Acetate
Concen: 19.773 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 4028

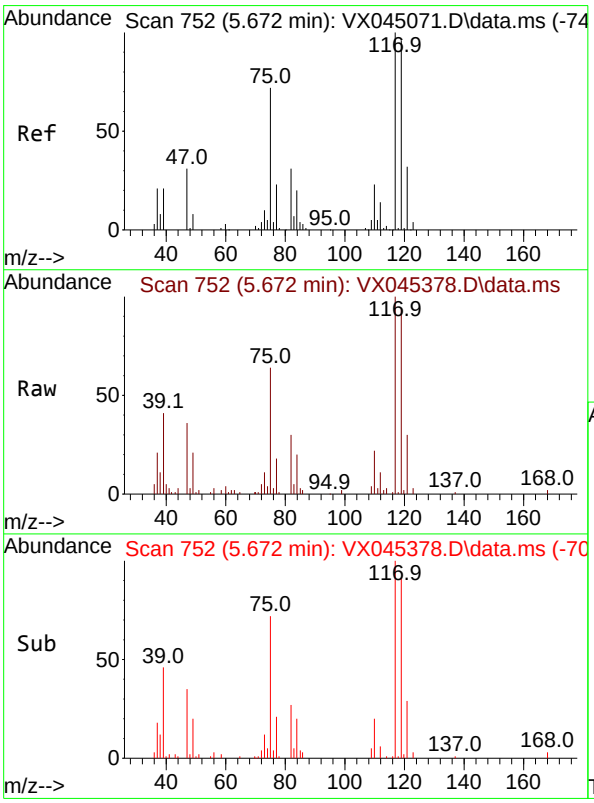
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.8	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

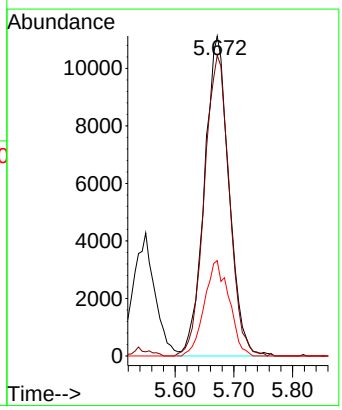
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

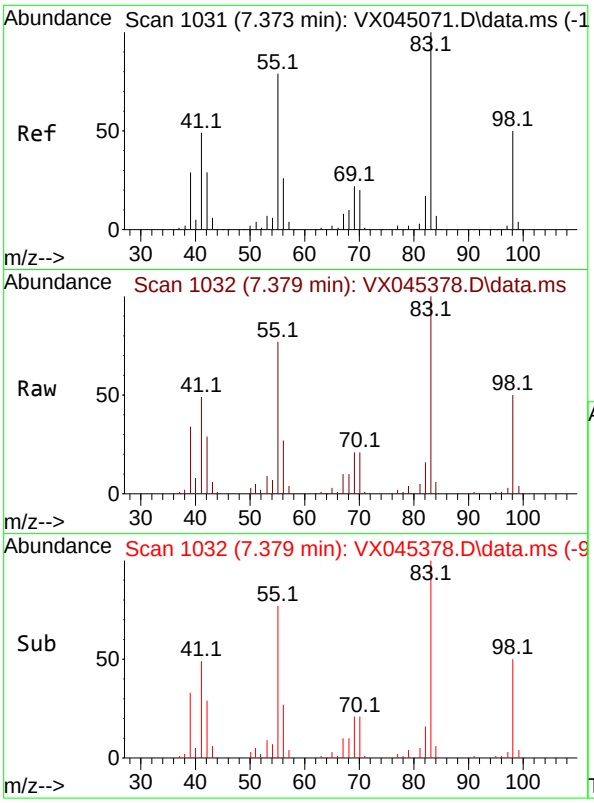


#38
Carbon Tetrachloride
Concen: 20.091 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 32250

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	29.8	25.5	38.3

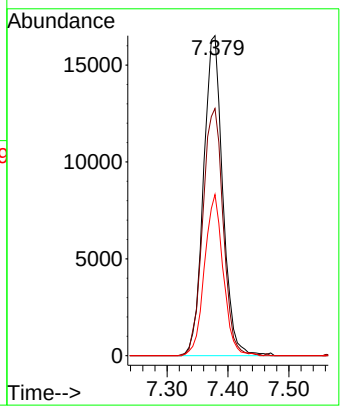




#39
Methylcyclohexane
Concen: 19.149 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 3627

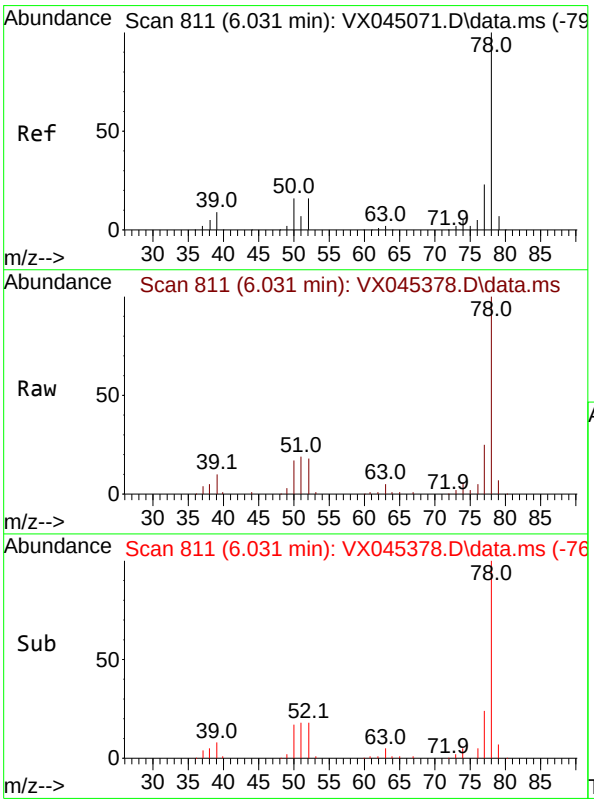
Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.0	94.4
98	50.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

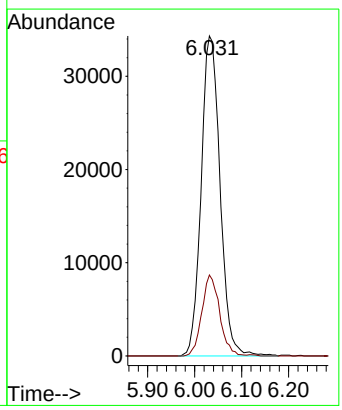
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

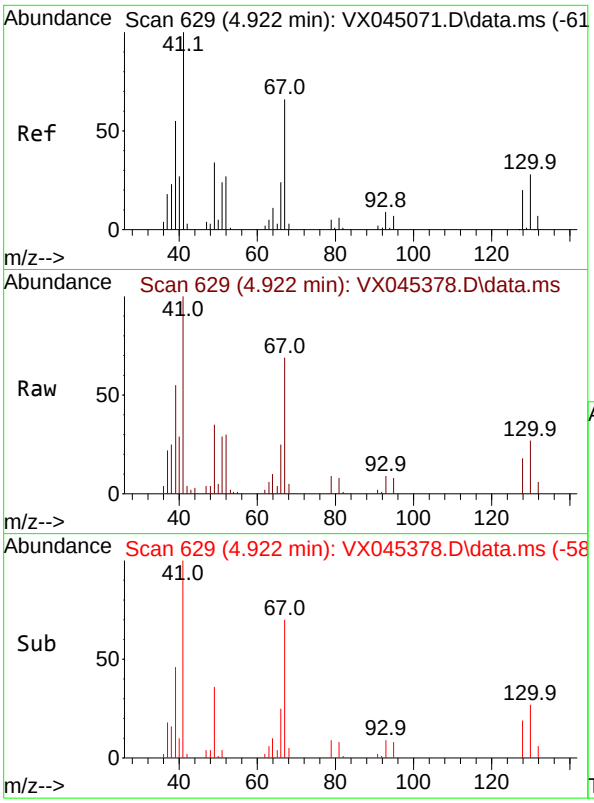


#40
Benzene
Concen: 19.193 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 78 Resp: 95825

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2

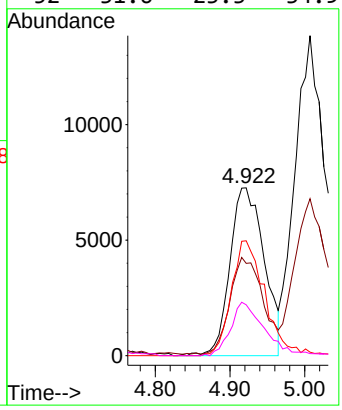




#41
Methacrylonitrile
Concen: 21.072 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 2321

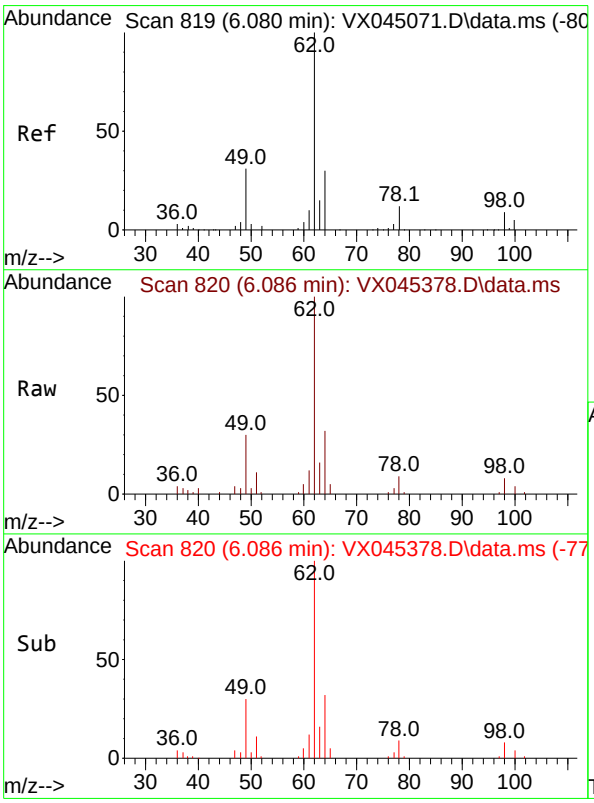
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	67.4	53.9	80.9
52	31.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

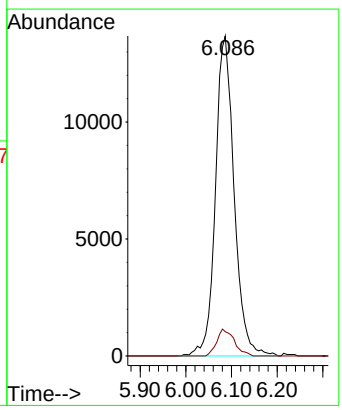
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

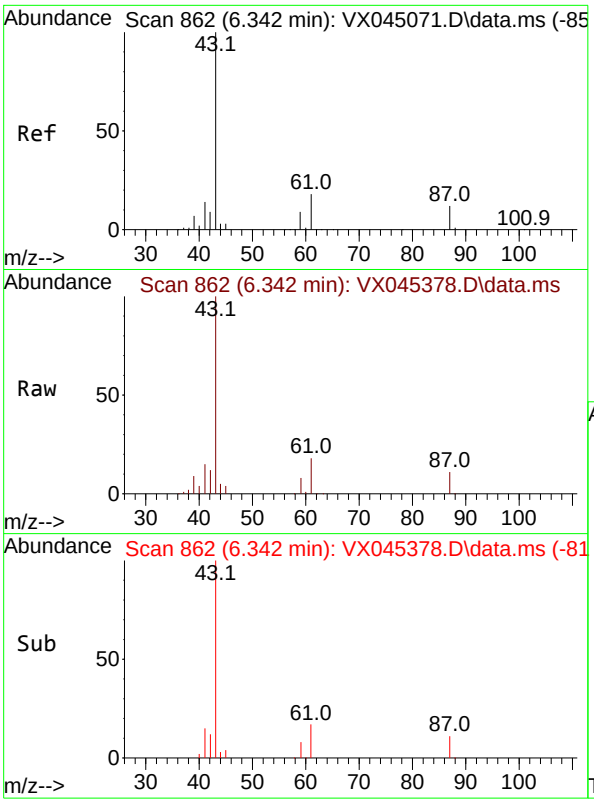


#42
1,2-Dichloroethane
Concen: 21.626 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 38881

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.752 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

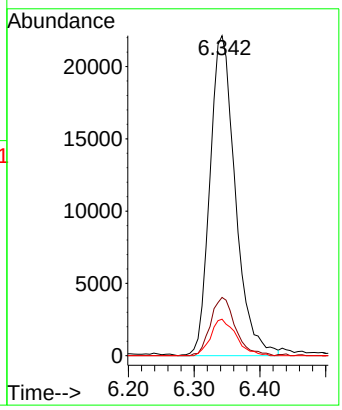
Tgt Ion: 43 Resp: 5950

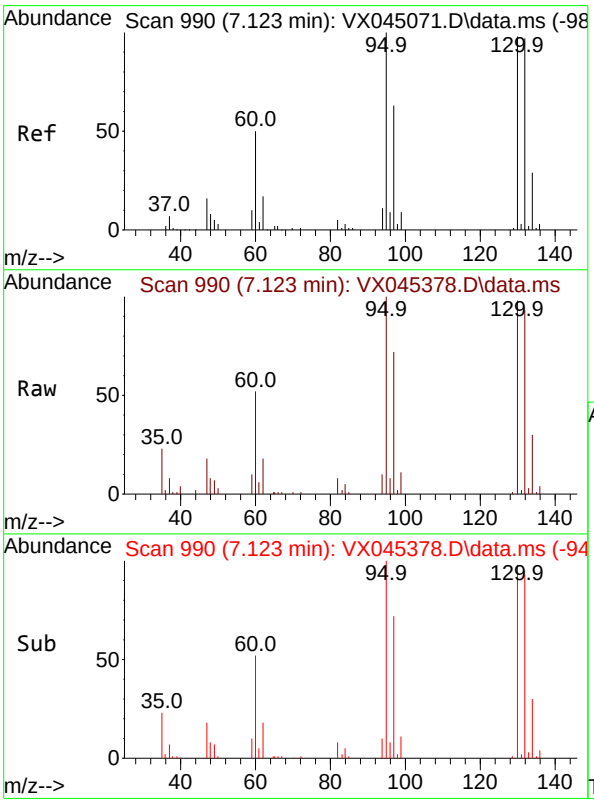
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.4	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

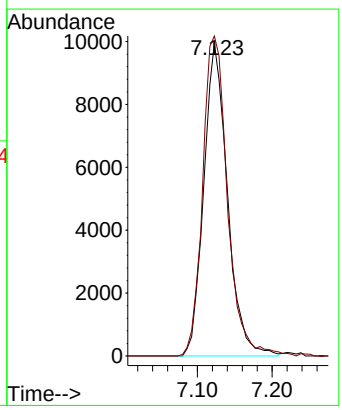


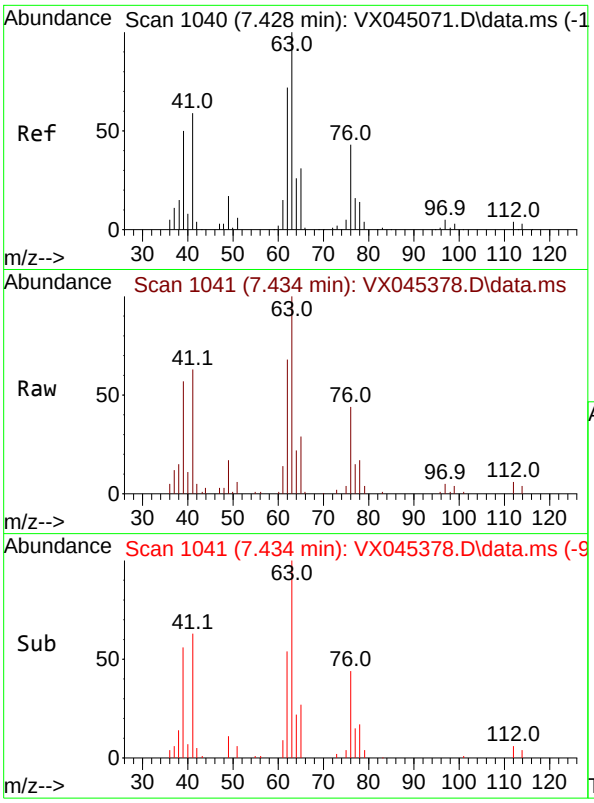


#44
Trichloroethene
Concen: 18.686 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:130 Resp: 21906

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.0

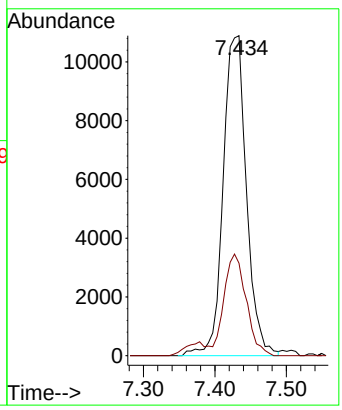




#45
1,2-Dichloropropane
Concen: 19.215 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 2466

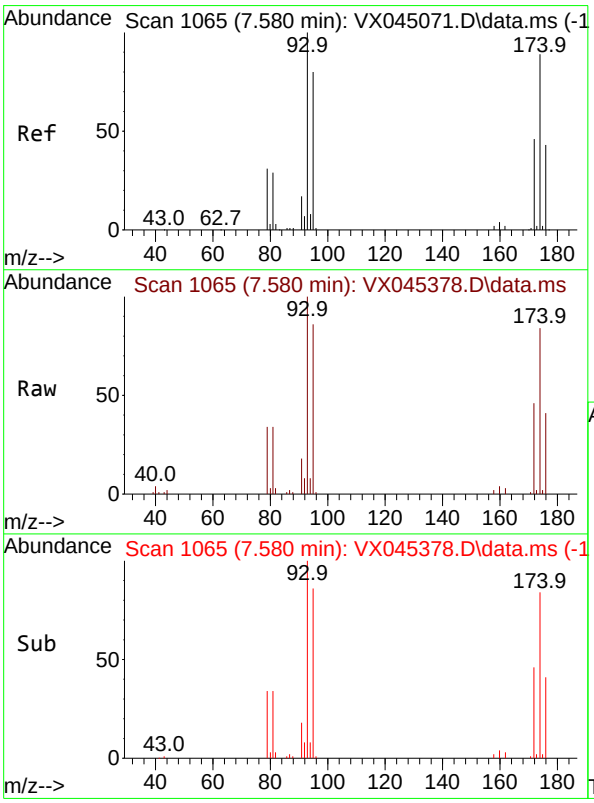
Ion	Ratio	Lower	Upper
63	100		
65	28.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

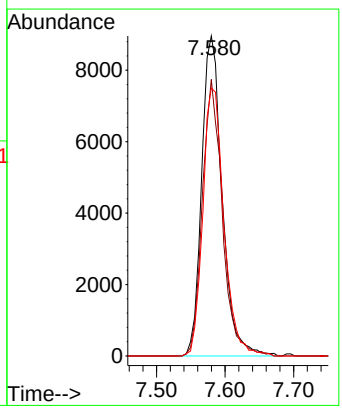
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

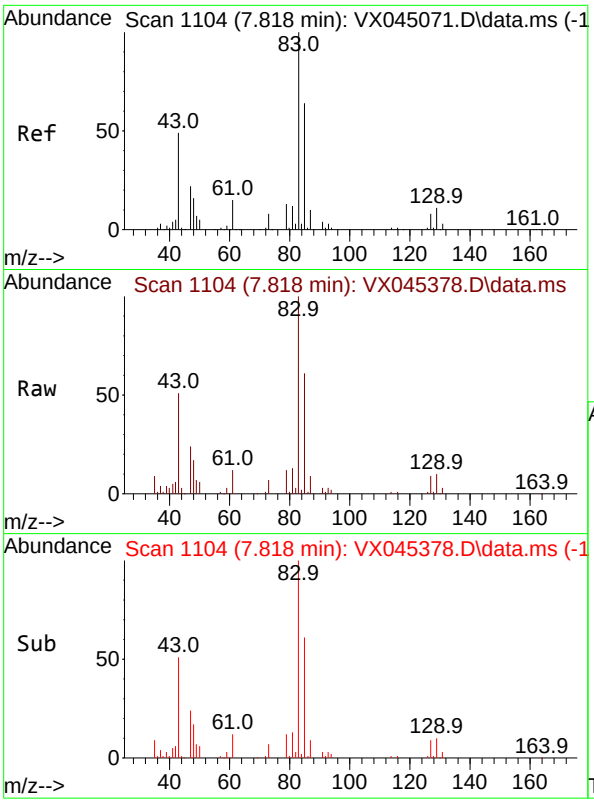


#46
Dibromomethane
Concen: 20.550 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 93 Resp: 18645

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.8	98.8
174	86.1	72.2	108.2

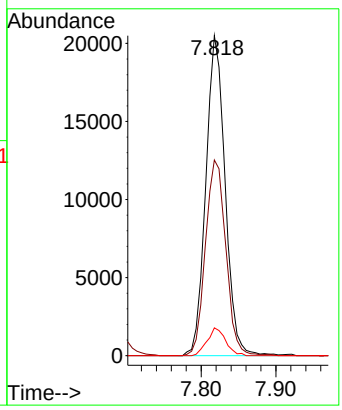




#47
Bromodichloromethane
Concen: 20.676 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 3679

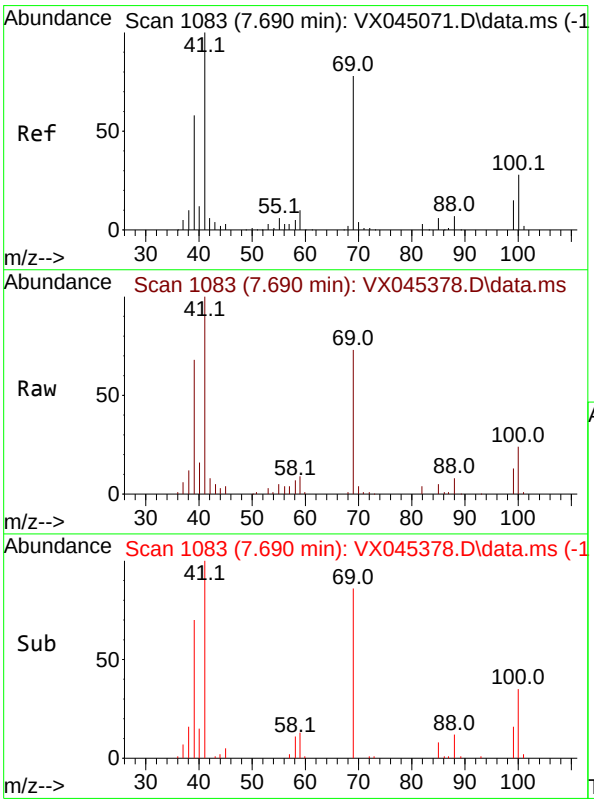
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	8.7	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

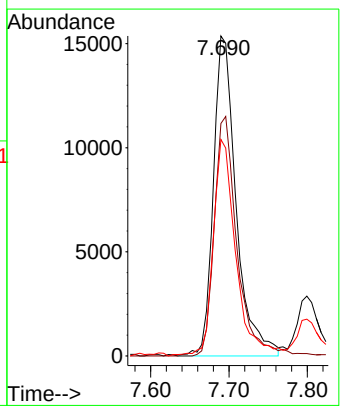
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

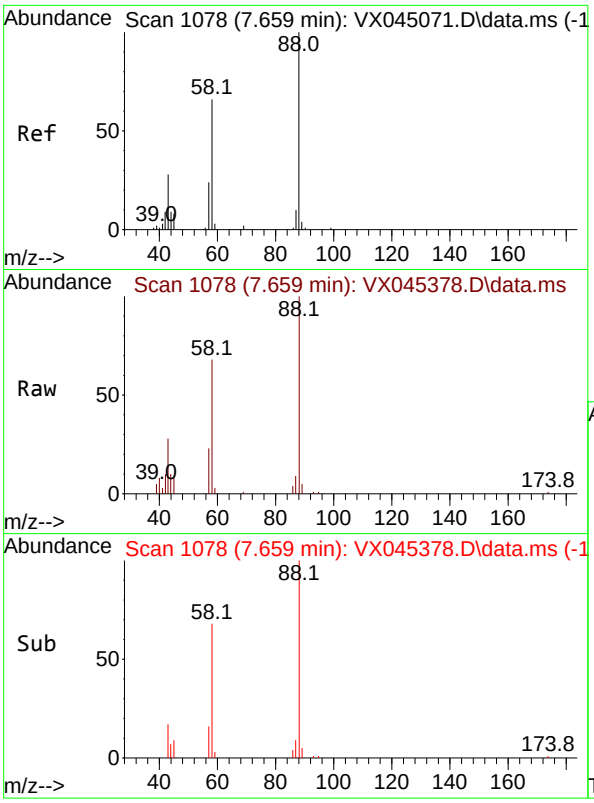


#48
Methyl methacrylate
Concen: 20.561 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 31076

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	67.1	47.5	71.3





#49
1,4-Dioxane
Concen: 367.178 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

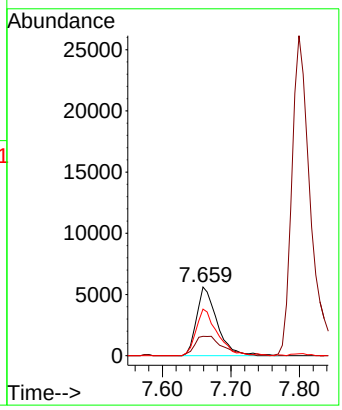
Tgt Ion: 88 Resp: 1170

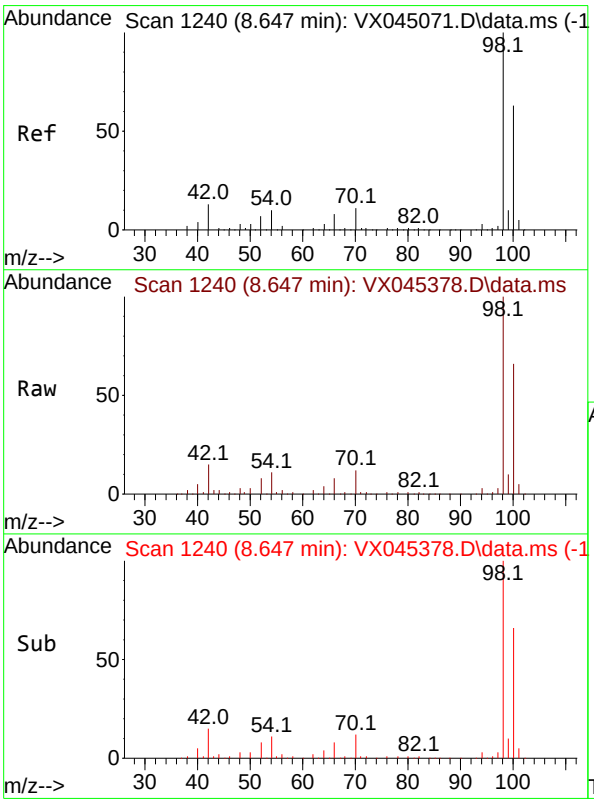
Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.7	43.1
58	69.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

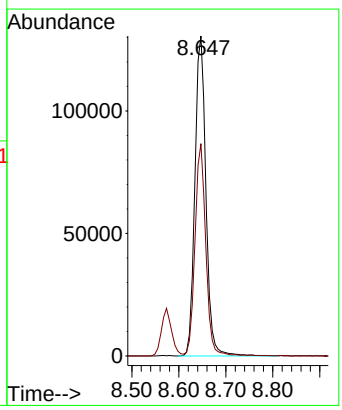


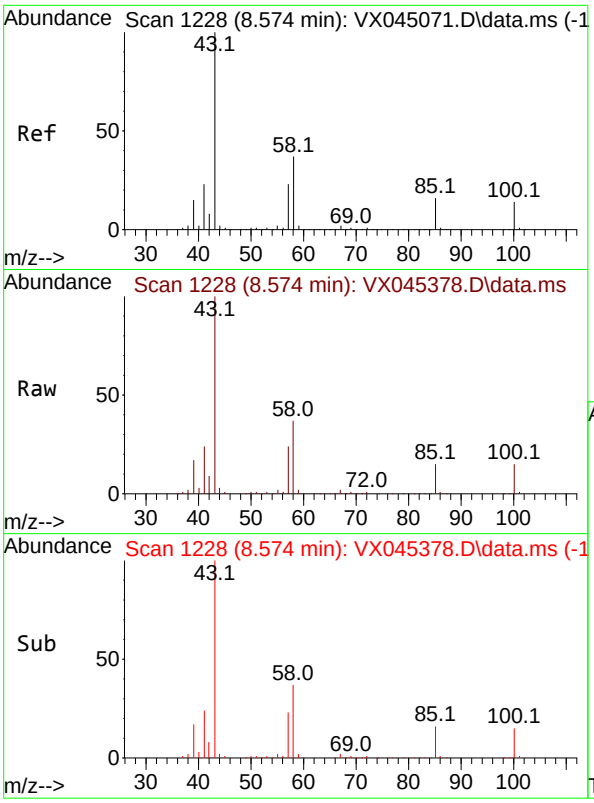


#50
Toluene-d8
Concen: 51.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 98 Resp: 214191

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

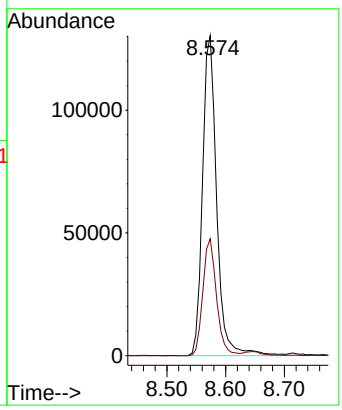




#51
4-Methyl-2-Pentanone
Concen: 107.651 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 21775

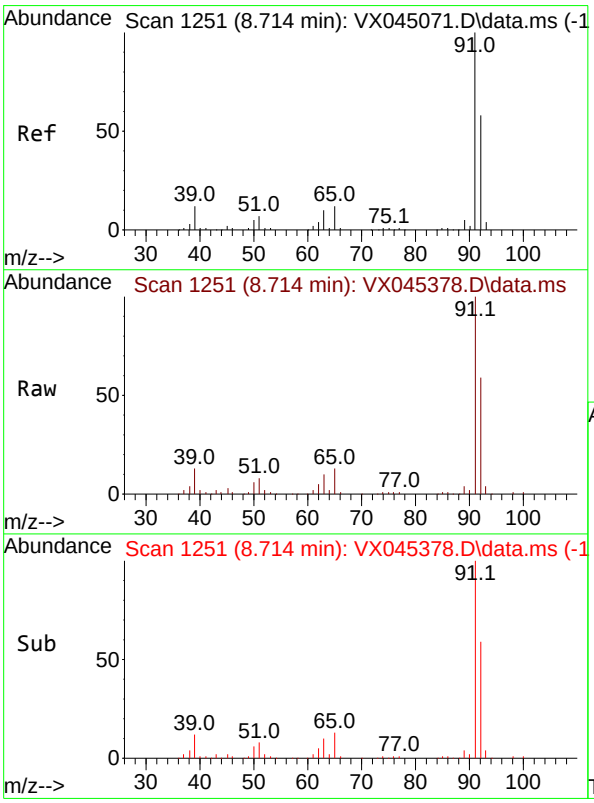
Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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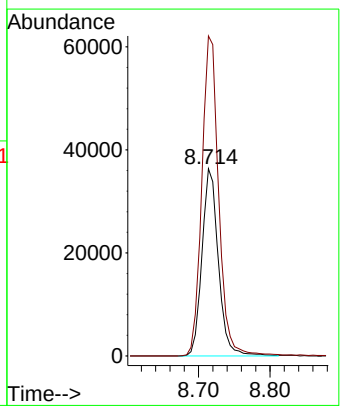
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

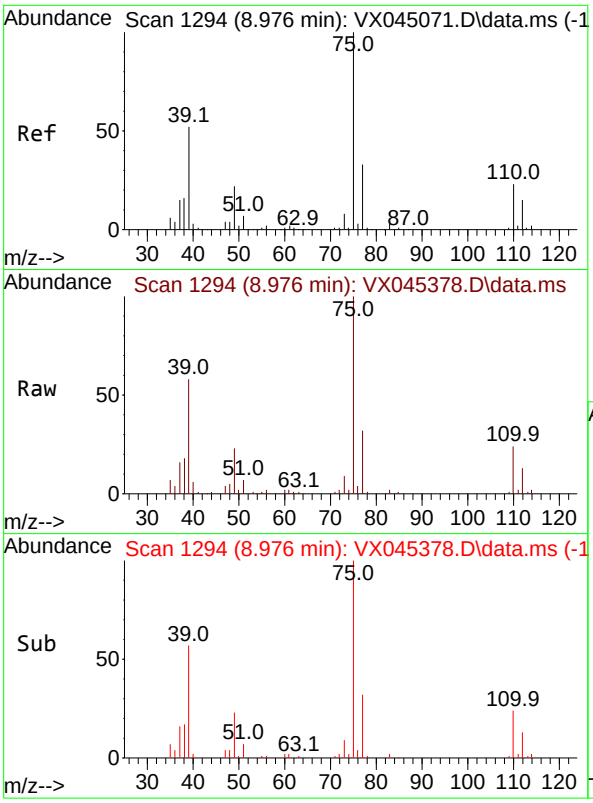


#52
Toluene
Concen: 19.806 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 92 Resp: 58017

Ion	Ratio	Lower	Upper
92	100		
91	176.9	138.9	208.3

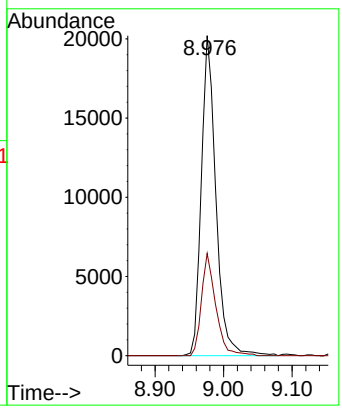




#53
t-1,3-Dichloropropene
Concen: 20.126 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 2994

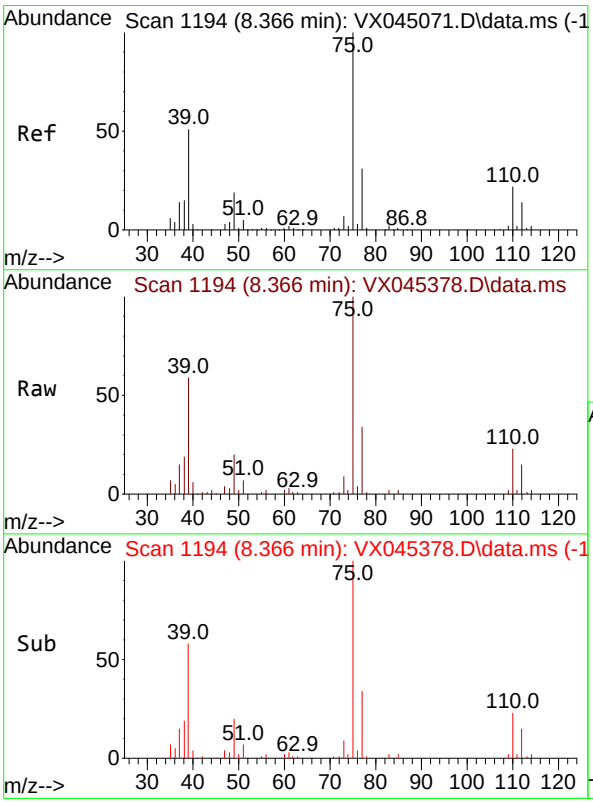
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

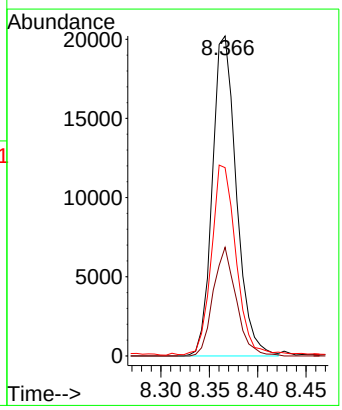
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

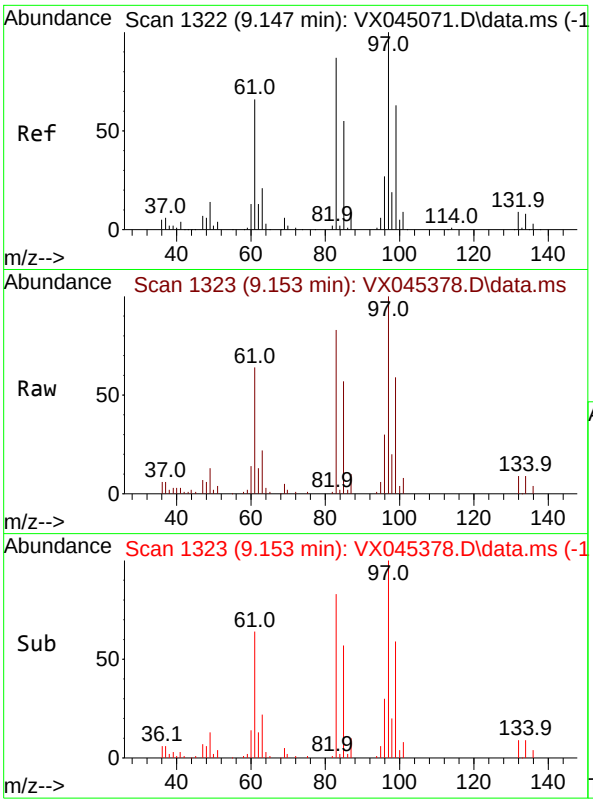


#54
cis-1,3-Dichloropropene
Concen: 20.118 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 34903

Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.7	37.1
39	58.4	40.7	61.1

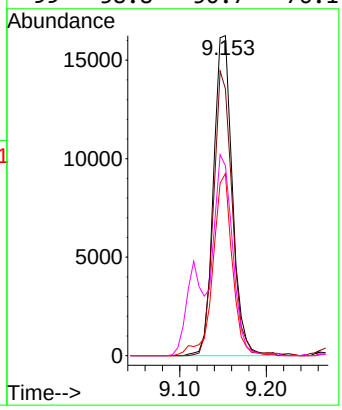




#55
1,1,2-Trichloroethane
Concen: 20.419 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 97 Resp: 2462

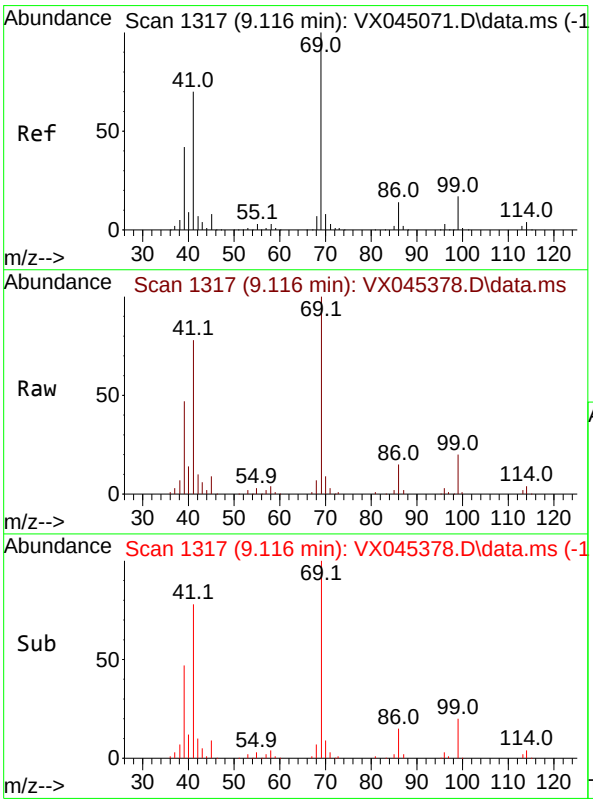
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.4	104.2
85	56.9	44.1	66.1
99	58.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

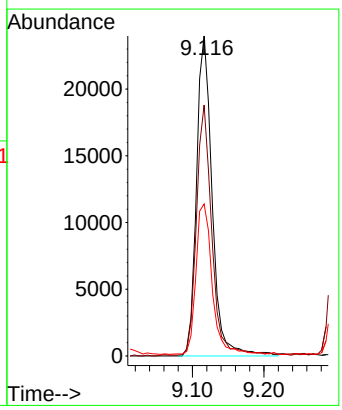
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

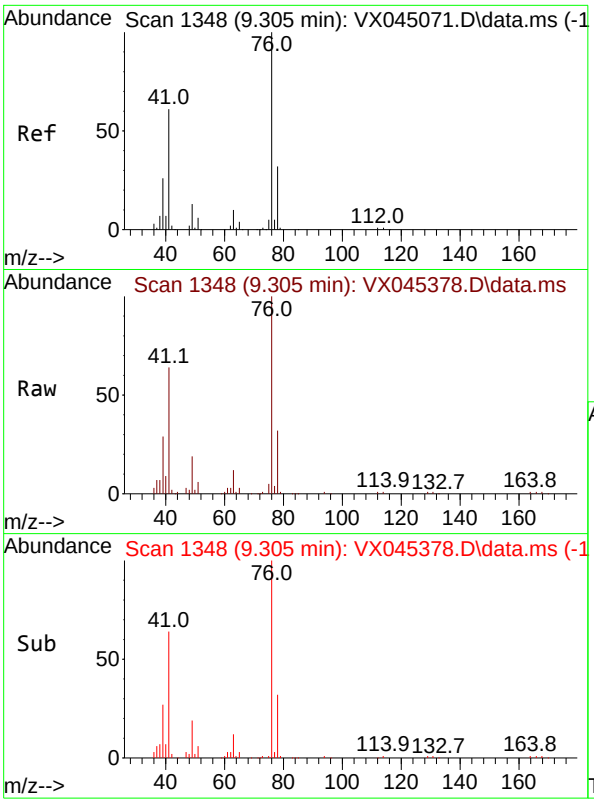


#56
Ethyl methacrylate
Concen: 19.895 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 69 Resp: 36468

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.7	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

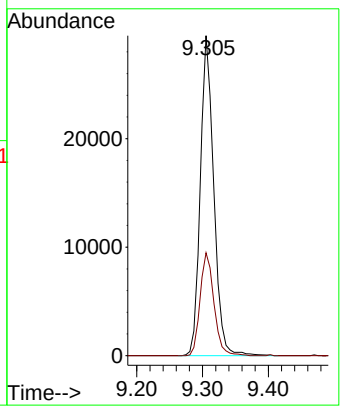
Tgt Ion: 76 Resp: 4184

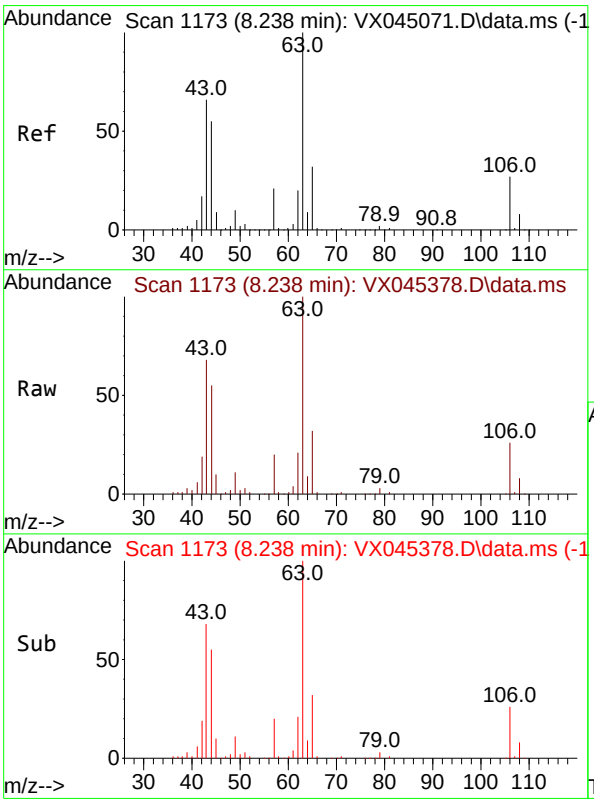
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

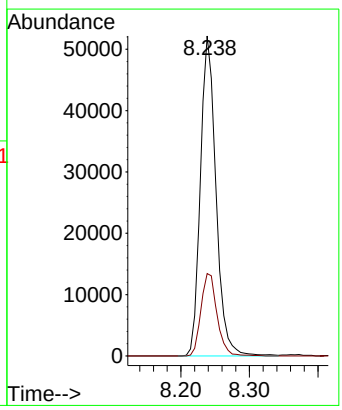


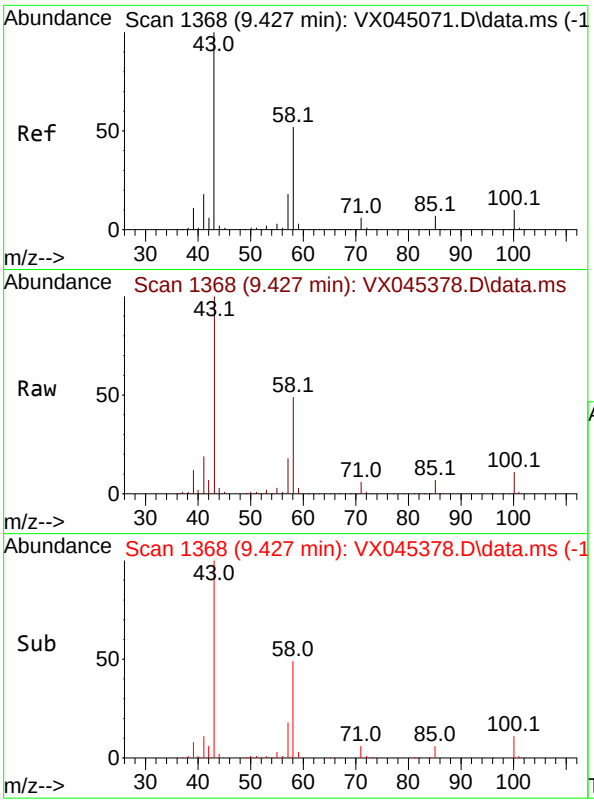


#58
2-Chloroethyl Vinyl ether
Concen: 92.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 82742

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

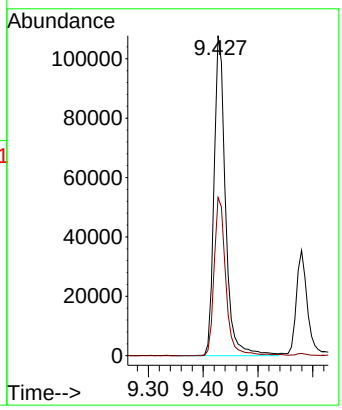




#59
2-Hexanone
Concen: 106.568 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 15618

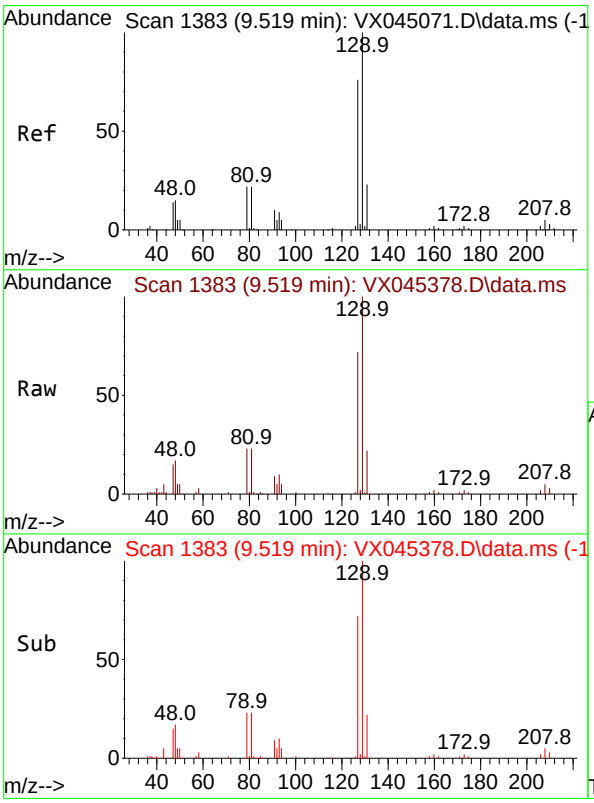
Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
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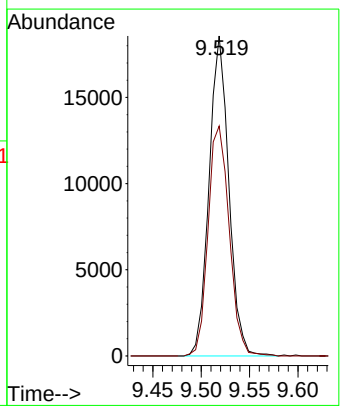
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

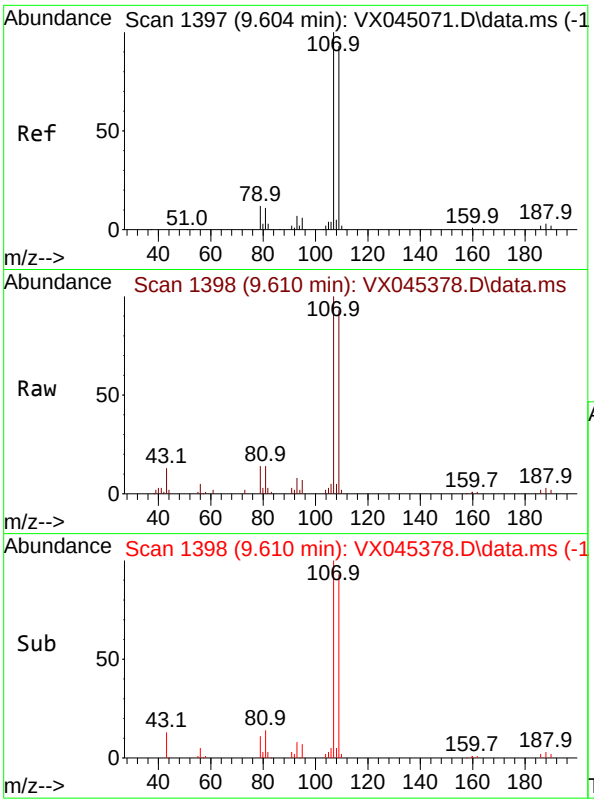


#60
Dibromochloromethane
Concen: 20.953 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:129 Resp: 26419

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5

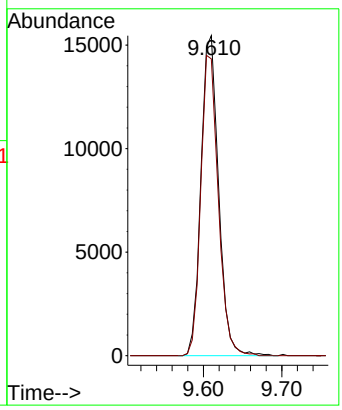




#61
1,2-Dibromoethane
Concen: 20.026 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:107 Resp: 2410

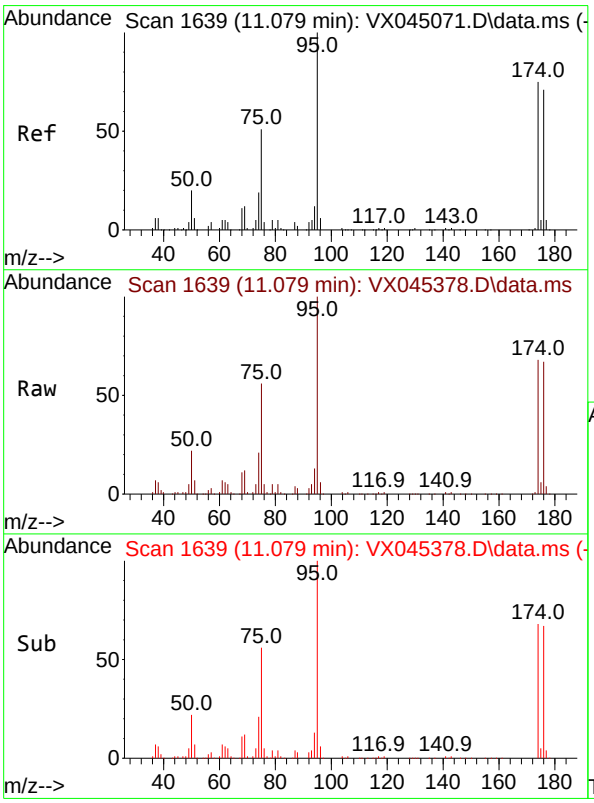
Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

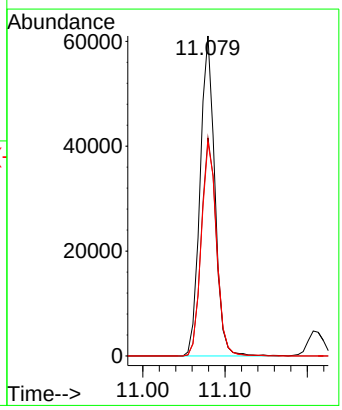
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

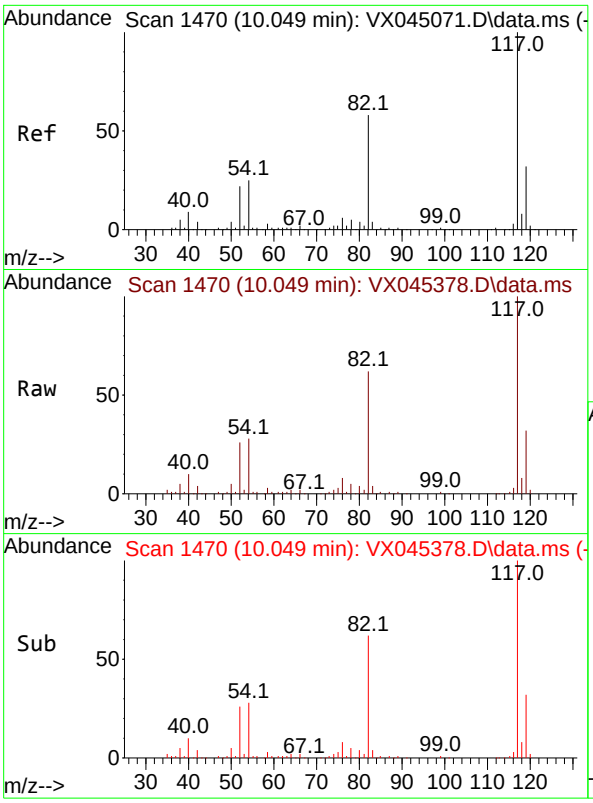


#62
4-Bromofluorobenzene
Concen: 54.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 95 Resp: 75709

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	69.3	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

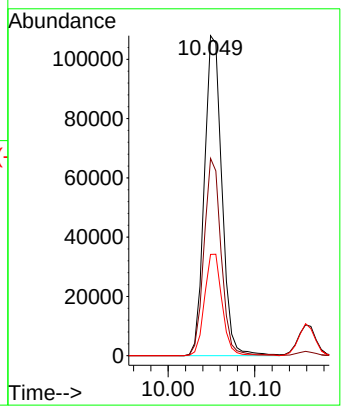
Tgt Ion:117 Resp: 15157

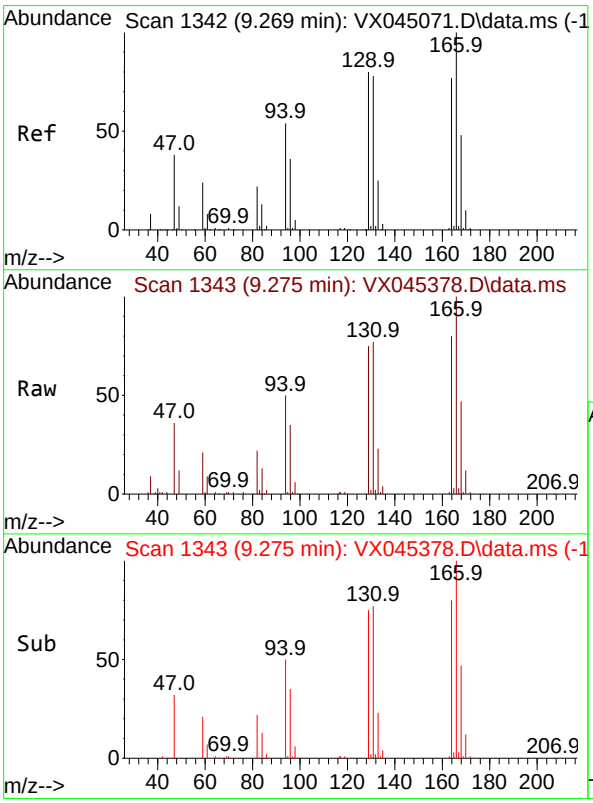
Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	31.7	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

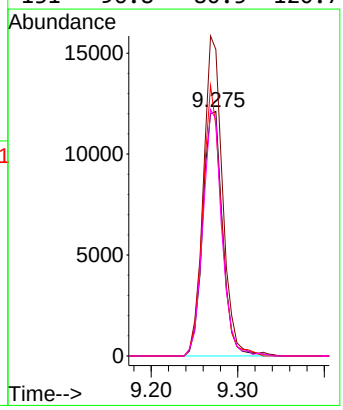


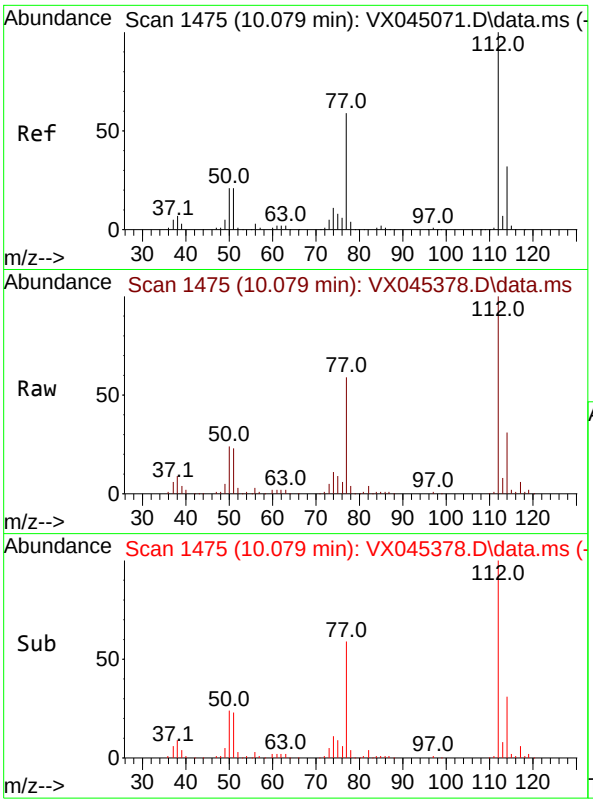


#64
Tetrachloroethene
Concen: 19.712 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:164 Resp: 19136

Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.6	155.4
129	94.1	82.7	124.1
131	96.8	80.5	120.7

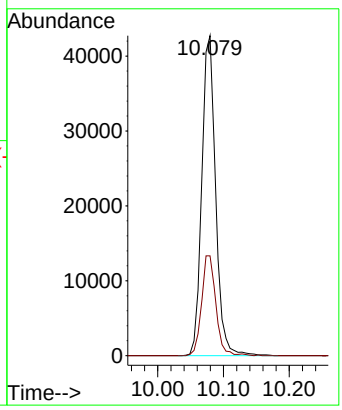




#65
Chlorobenzene
Concen: 19.520 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:112 Resp: 6260

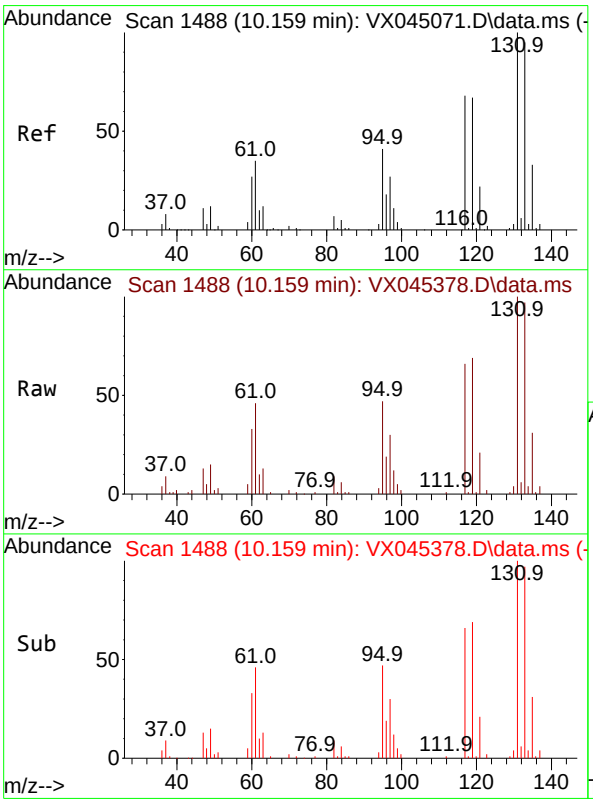
Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

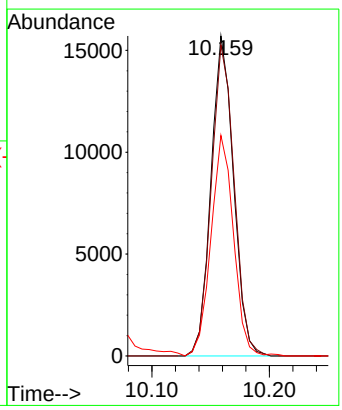
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

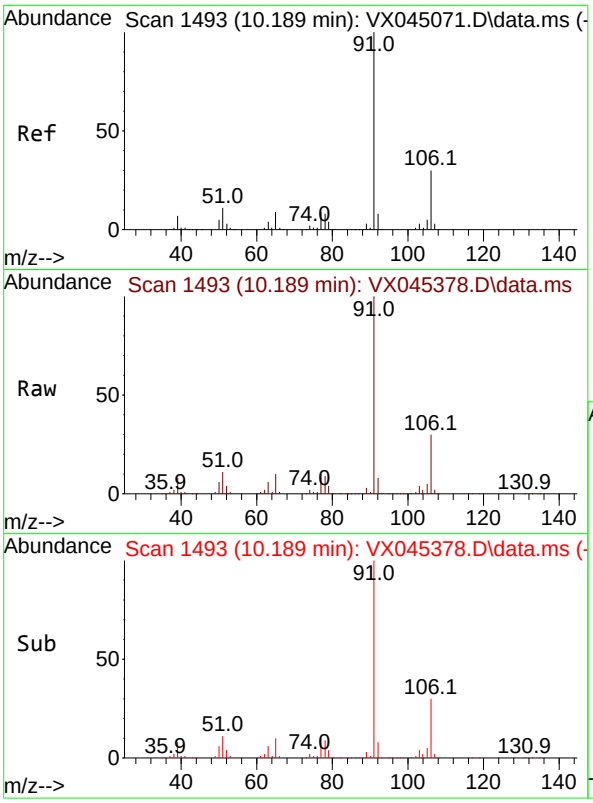


#66
1,1,1,2-Tetrachloroethane
Concen: 19.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:131 Resp: 20934

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	68.9	33.9	101.7

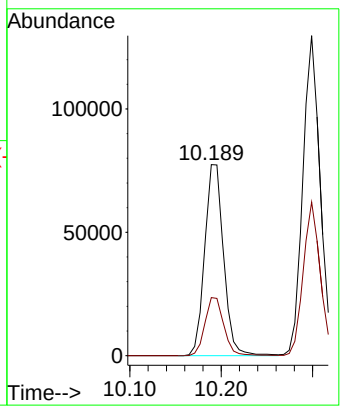




#67
Ethyl Benzene
Concen: 19.903 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 11123

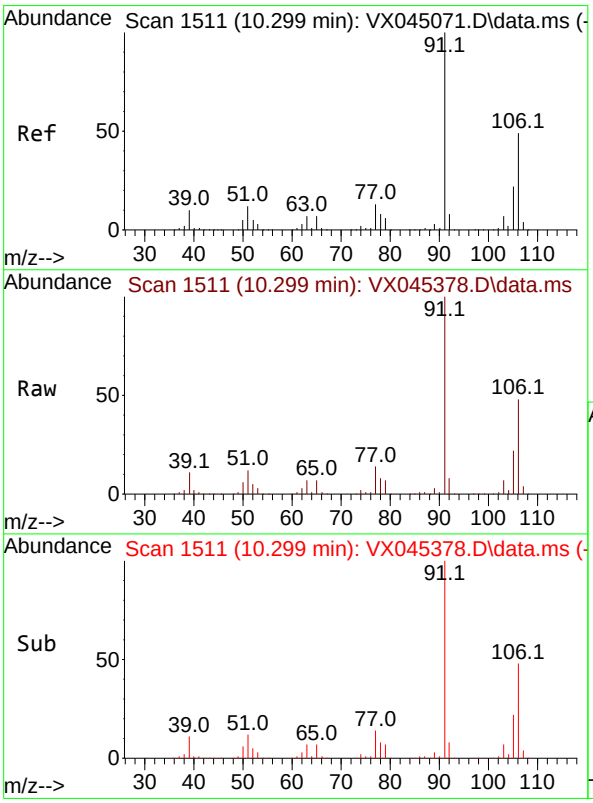
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

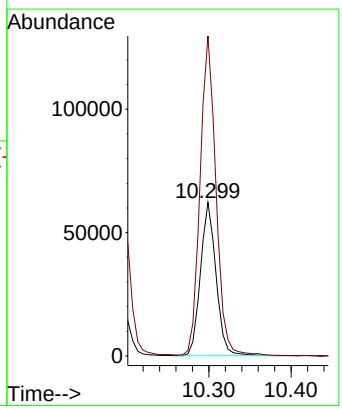
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

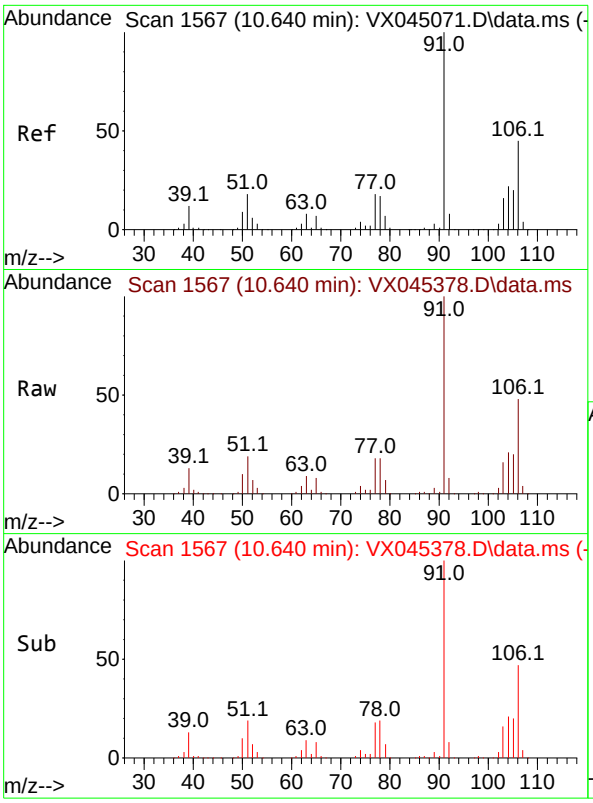


#68
m/p-Xylenes
Concen: 39.971 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:106 Resp: 81773

Ion	Ratio	Lower	Upper
106	100		
91	213.2	165.4	248.0

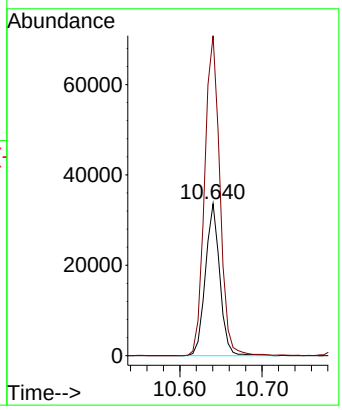




#69
o-Xylene
Concen: 19.764 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:106 Resp: 4078

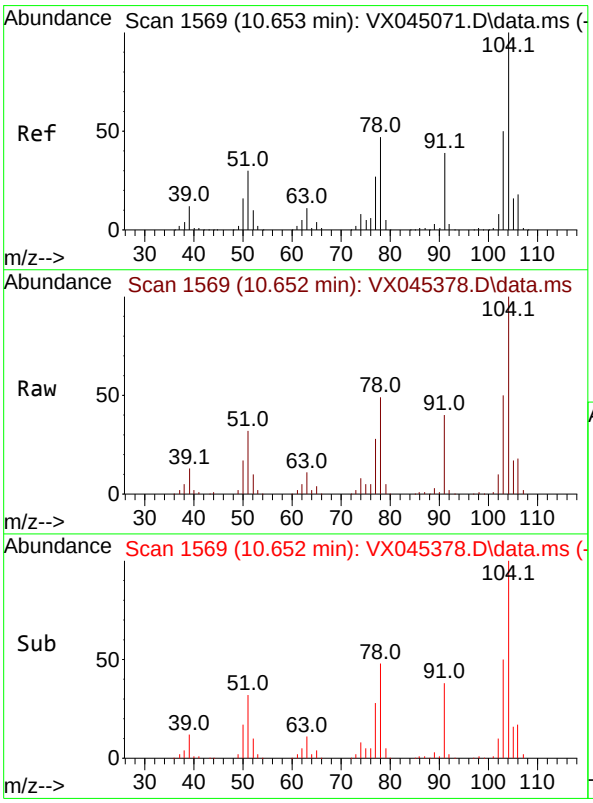
Ion	Ratio	Lower	Upper
106	100		
91	223.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

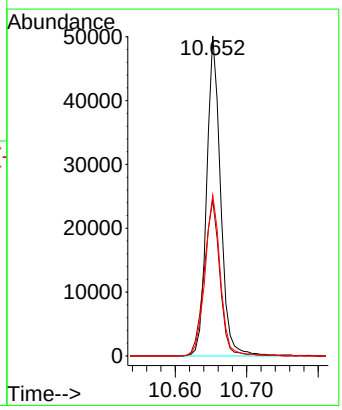
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

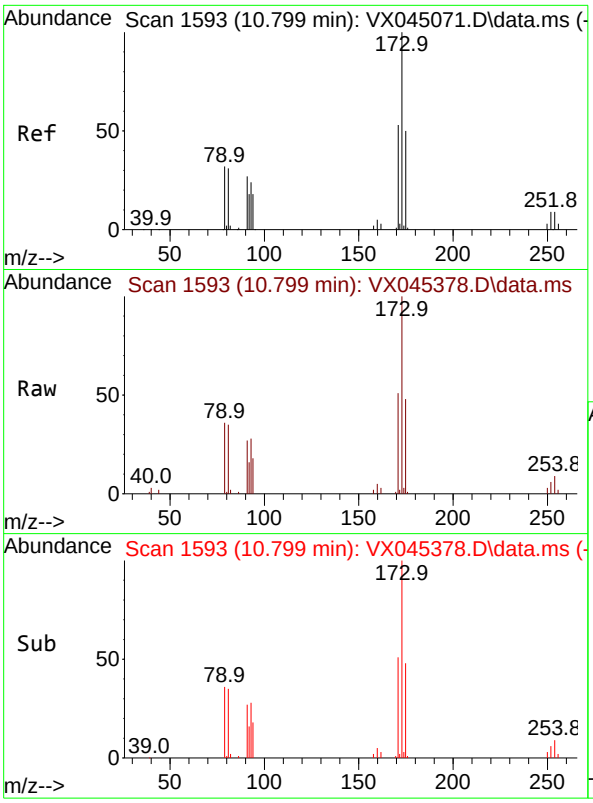


#70
Styrene
Concen: 20.243 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:104 Resp: 67582

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.2	63.4
103	55.5	43.8	65.8

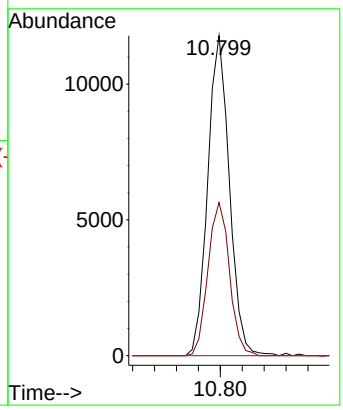




#71
Bromoform
Concen: 20.054 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:173 Resp: 1615

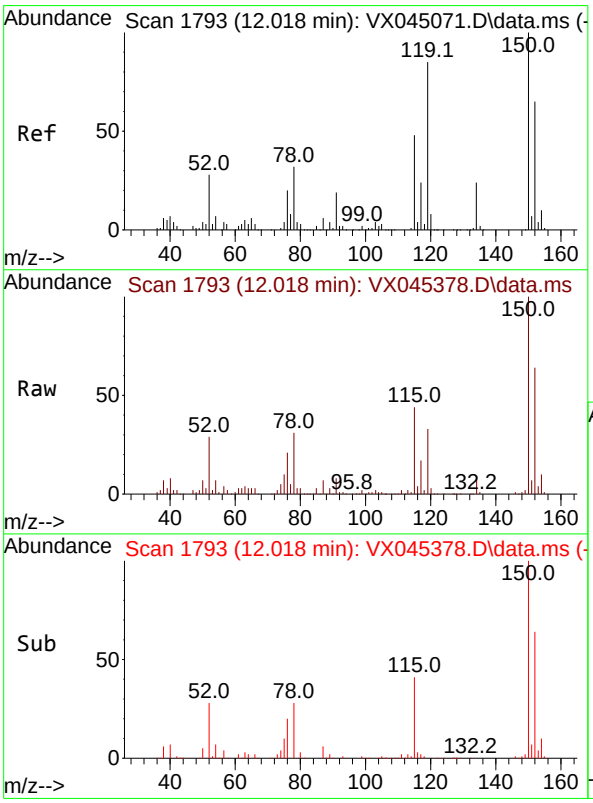
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

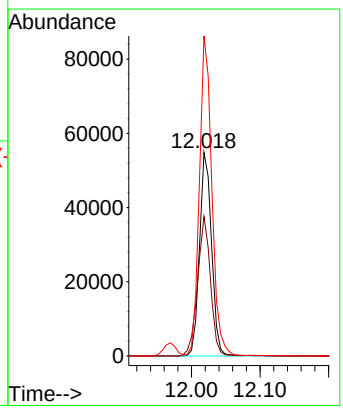
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

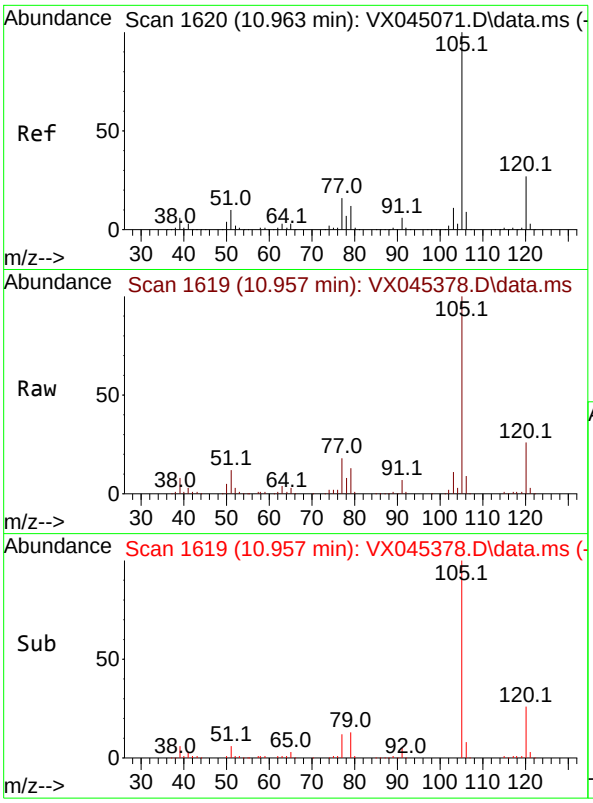


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:152 Resp: 67294

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.2	132.6
150	162.4	0.0	349.0

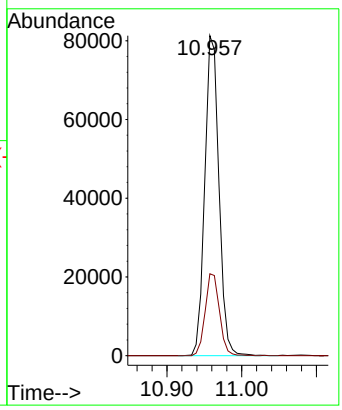




#73
Isopropylbenzene
Concen: 20.350 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 10688

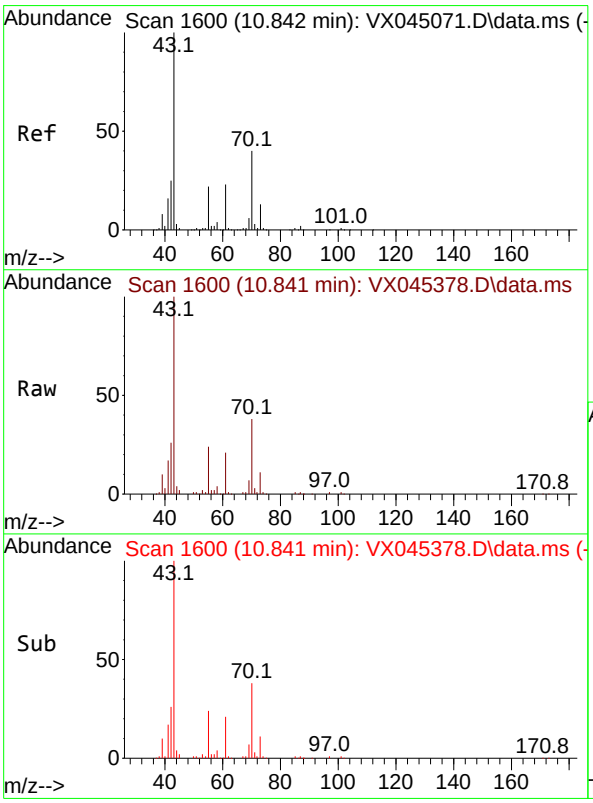
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

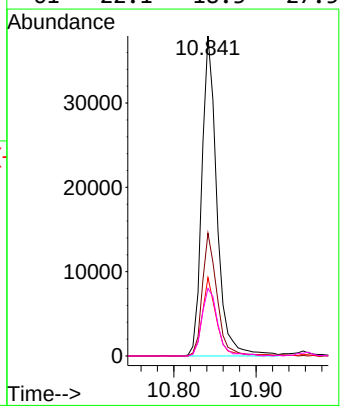
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

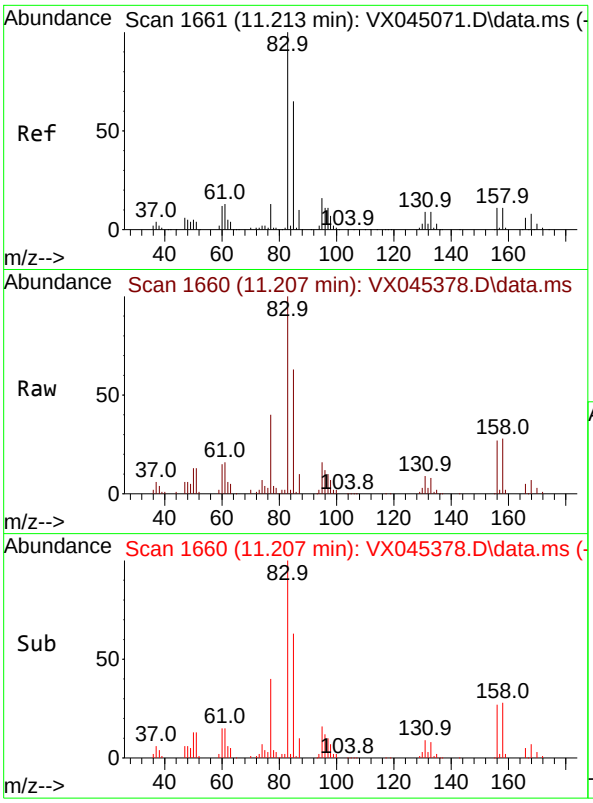


#74
N-amyl acetate
Concen: 19.624 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 48367

Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.8	47.6
55	23.3	18.3	27.5
61	22.1	18.3	27.5

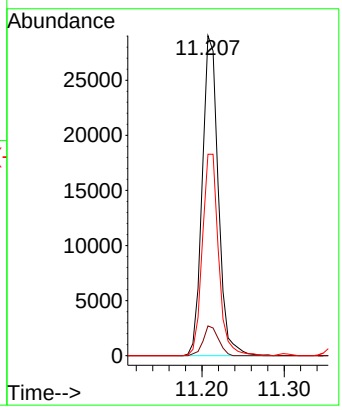




#75
1,1,2,2-Tetrachloroethane
Concen: 20.402 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 3932

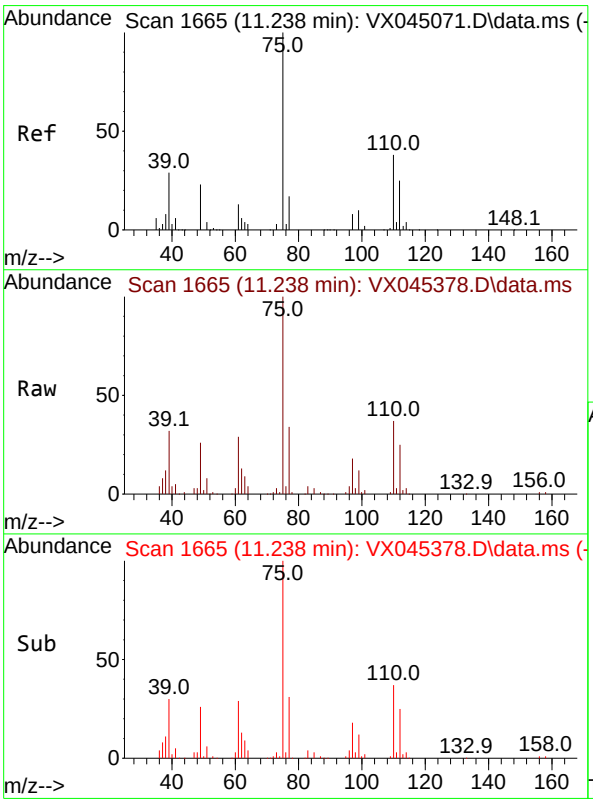
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.5	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

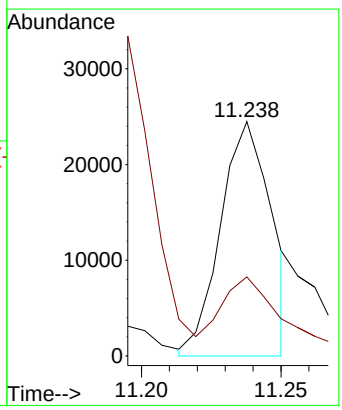
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

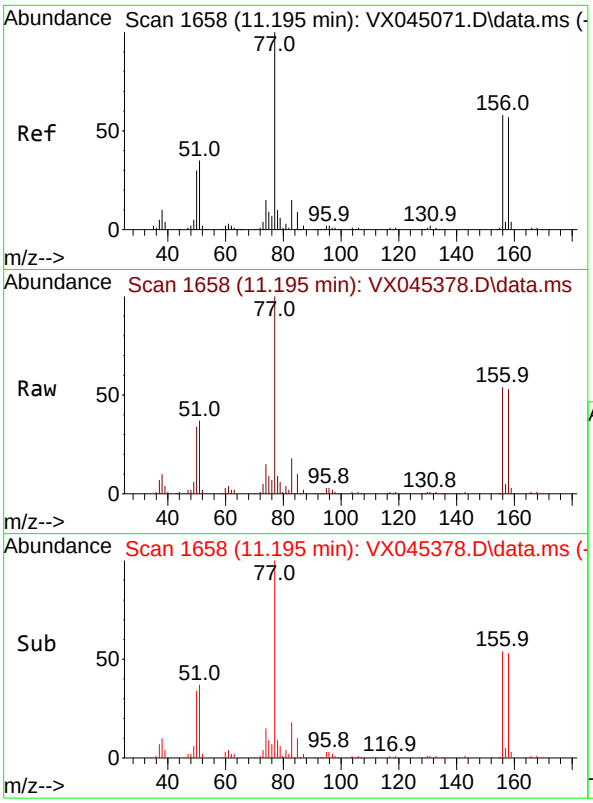


#76
1,2,3-Trichloropropane
Concen: 19.888 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 31150

Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.7	62.1

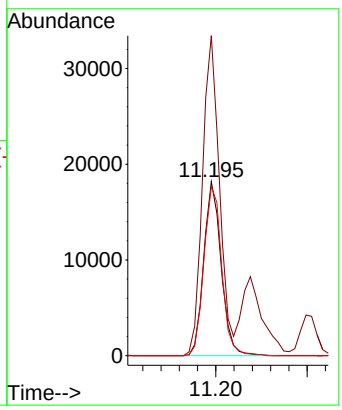




#77
Bromobenzene
Concen: 19.377 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:156 Resp: 2401

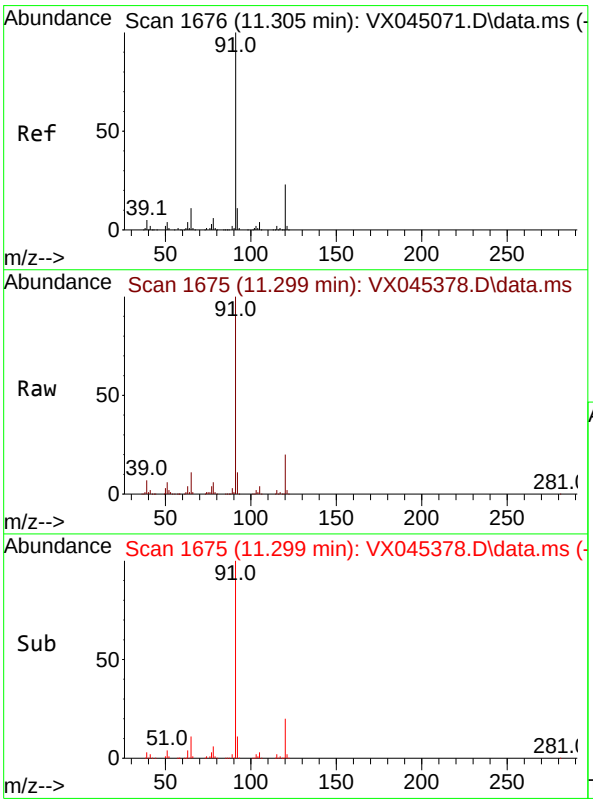
Ion	Ratio	Lower	Upper
156	100		
77	178.7	85.8	257.4
158	99.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

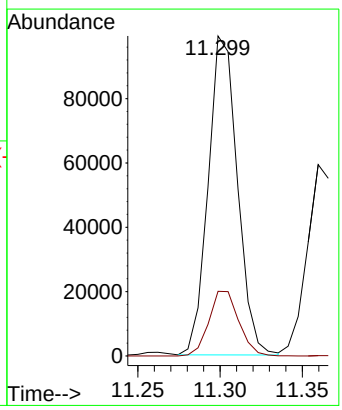
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

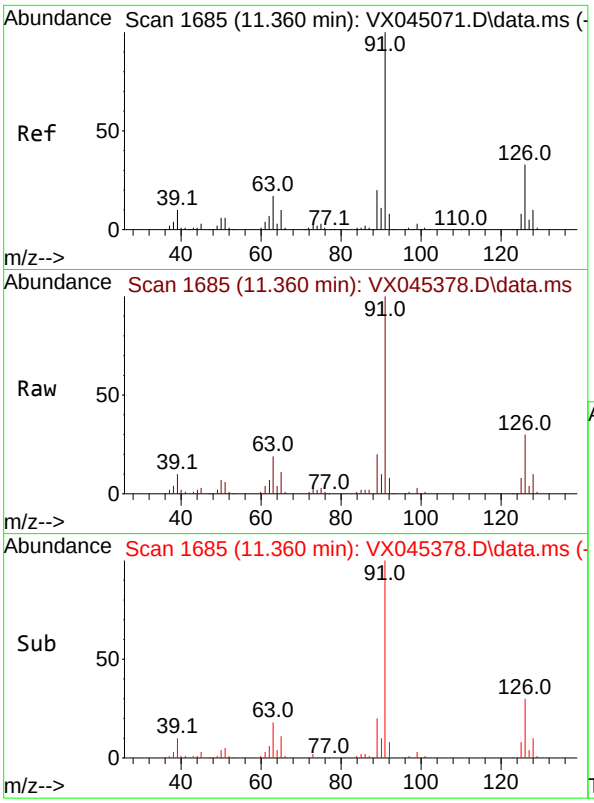


#78
n-propylbenzene
Concen: 20.684 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 122726

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.2	33.6

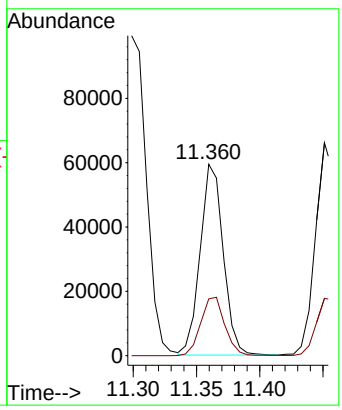




#79
2-Chlorotoluene
Concen: 19.953 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 7539

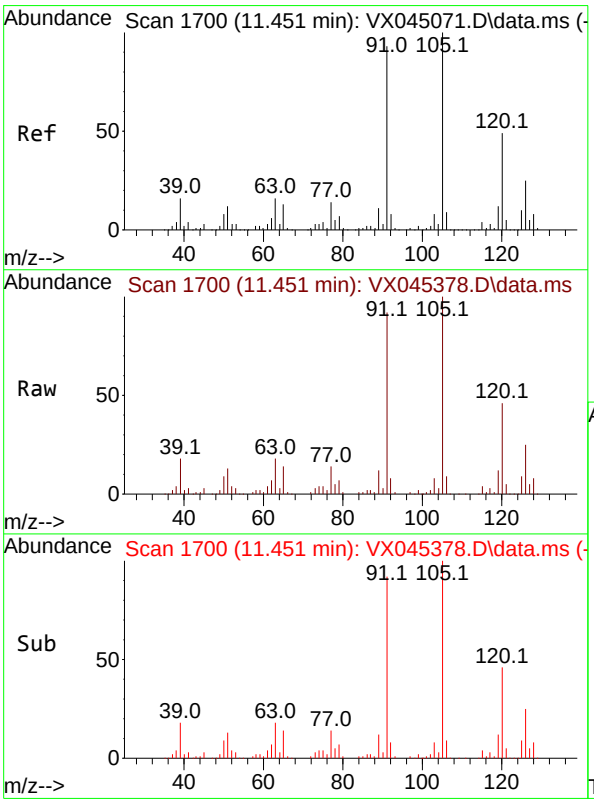
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

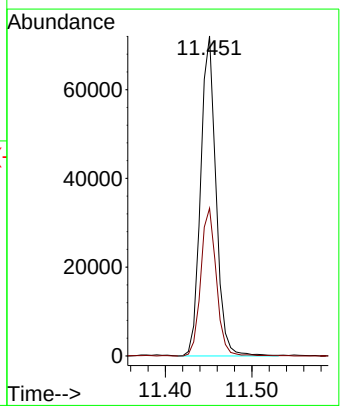
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

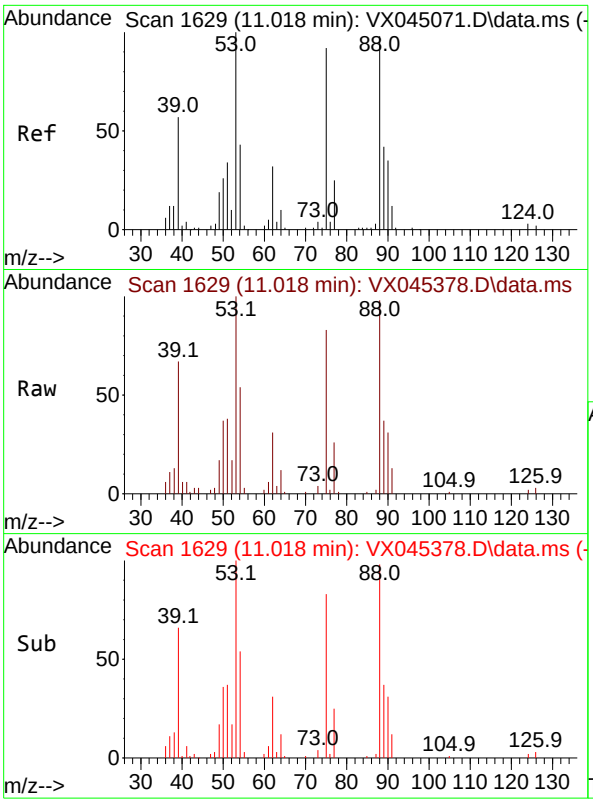


#80
1,3,5-Trimethylbenzene
Concen: 20.912 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88815

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2

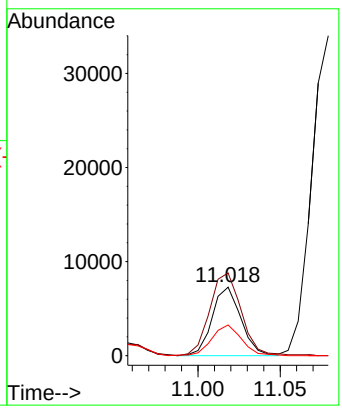




#81
trans-1,4-Dichloro-2-butene
Concen: 19.479 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 891

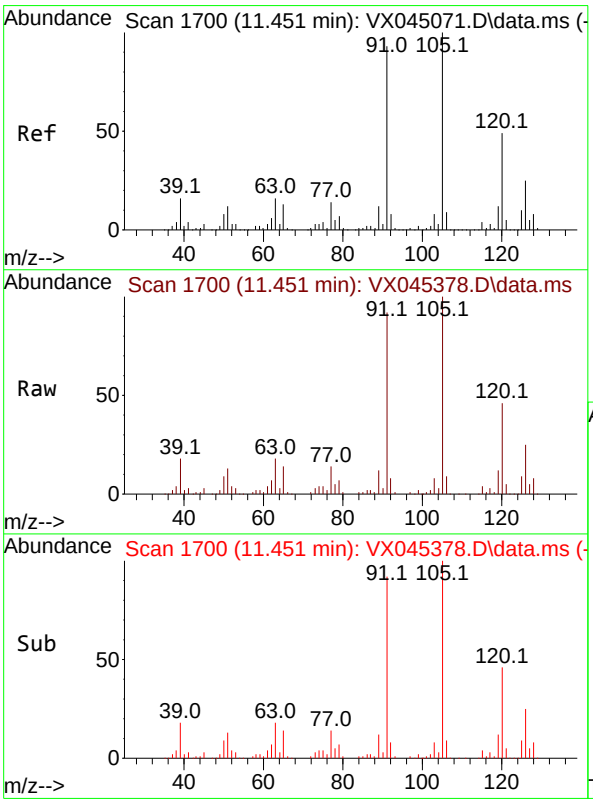
Ion	Ratio	Lower	Upper
75	100		
53	132.4	88.5	132.7
89	46.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

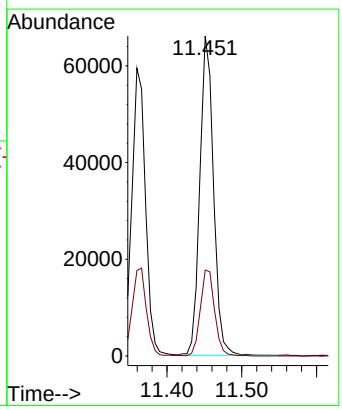
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

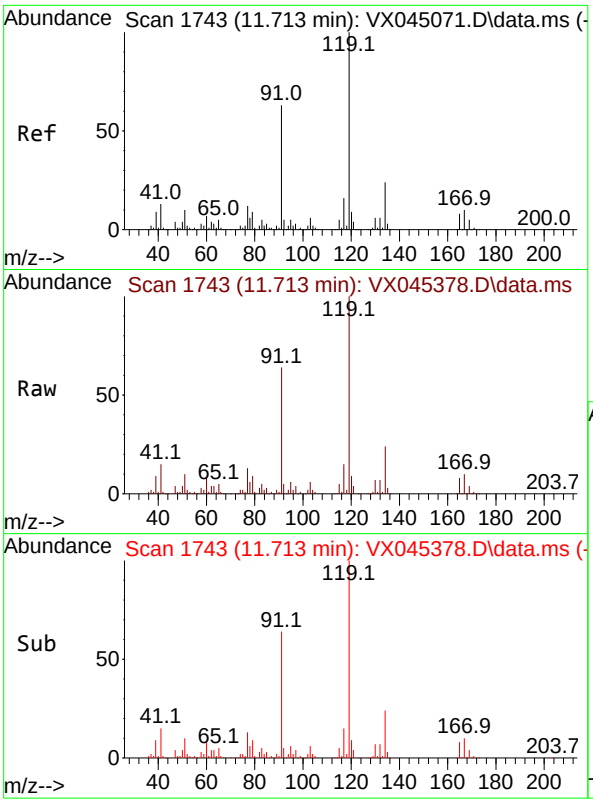


#82
4-Chlorotoluene
Concen: 20.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 83886

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

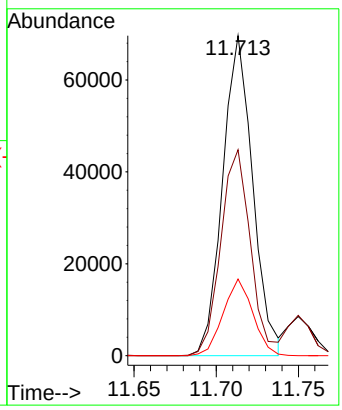




#83
tert-Butylbenzene
Concen: 20.315 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:119 Resp: 8865

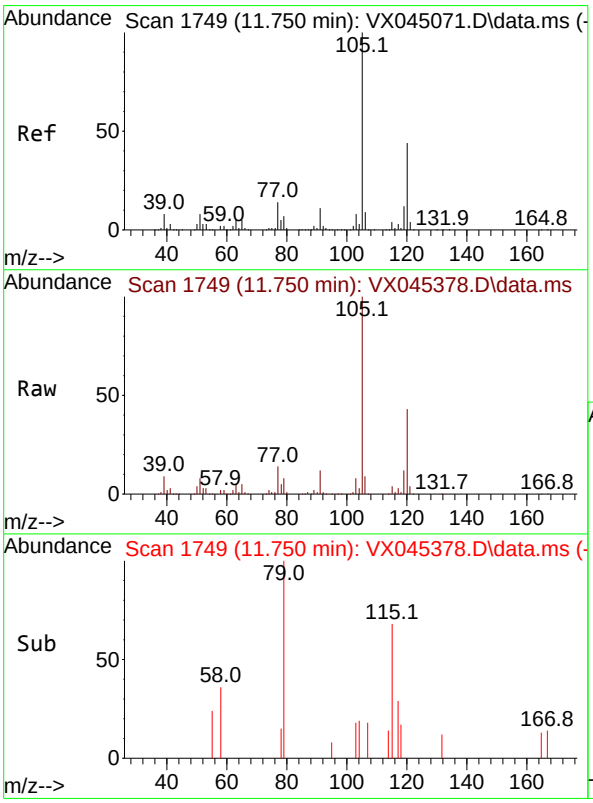
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.7	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

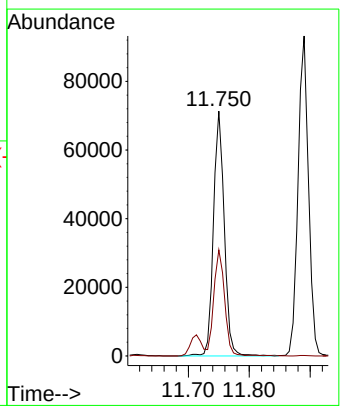
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

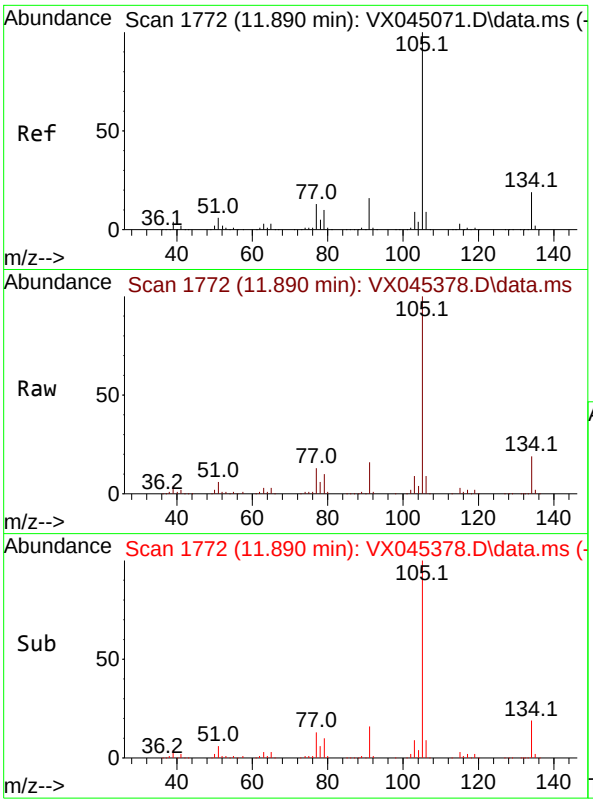


#84
1,2,4-Trimethylbenzene
Concen: 20.602 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88039

Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1





#85
sec-Butylbenzene
Concen: 21.328 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

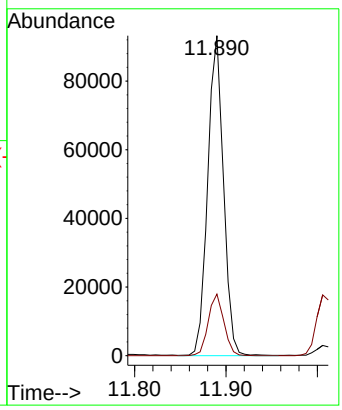
Tgt Ion:105 Resp: 11148

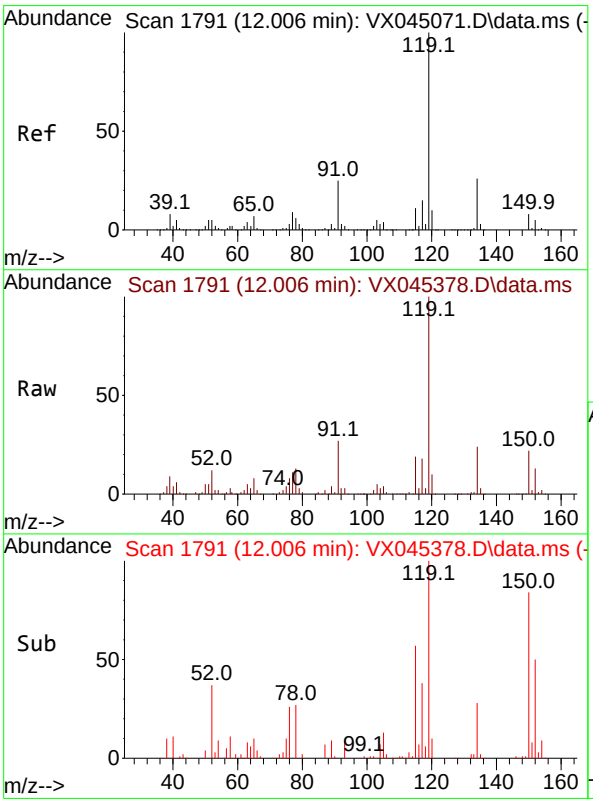
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

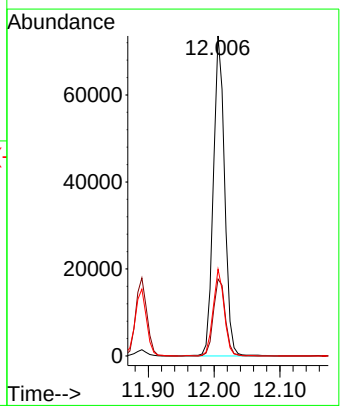


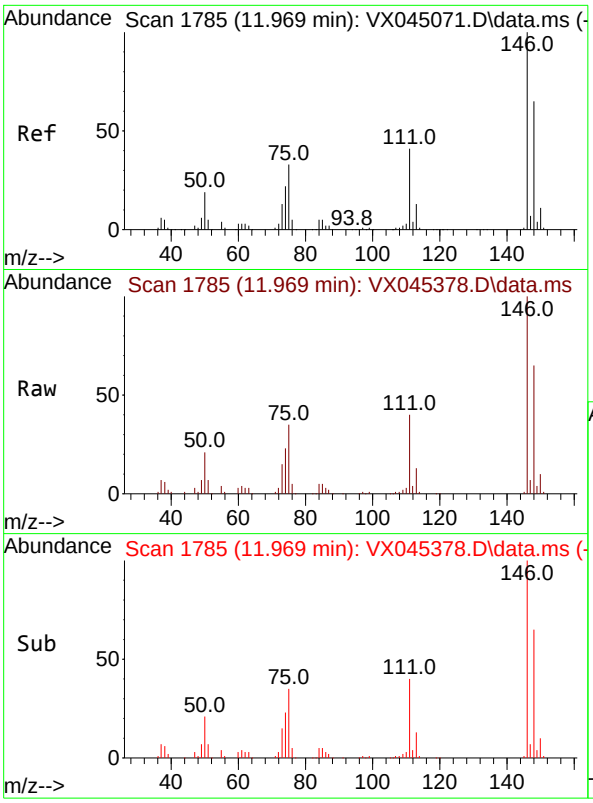


#86
p-Isopropyltoluene
Concen: 20.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:119 Resp: 87777

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.5	12.7	38.0

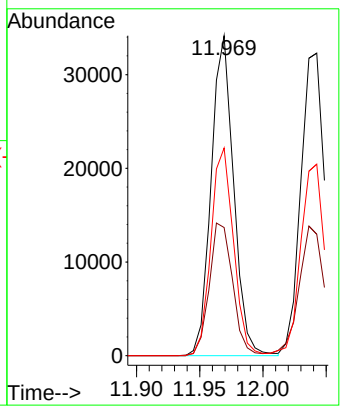




#87
1,3-Dichlorobenzene
Concen: 19.118 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 4226

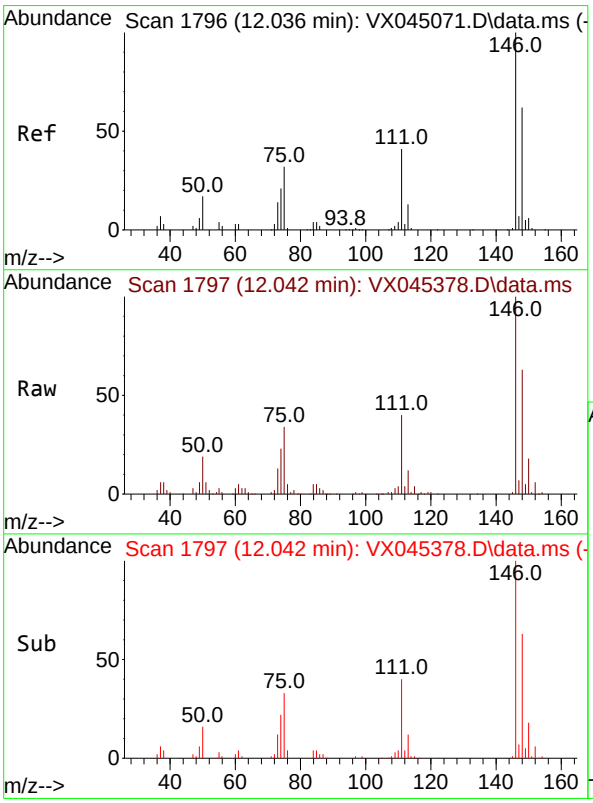
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	65.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

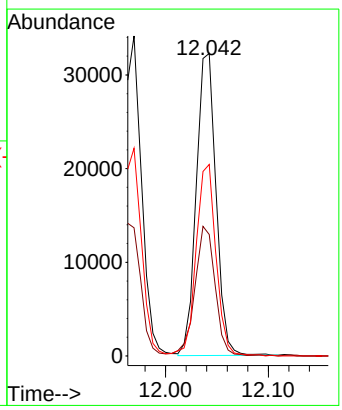
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

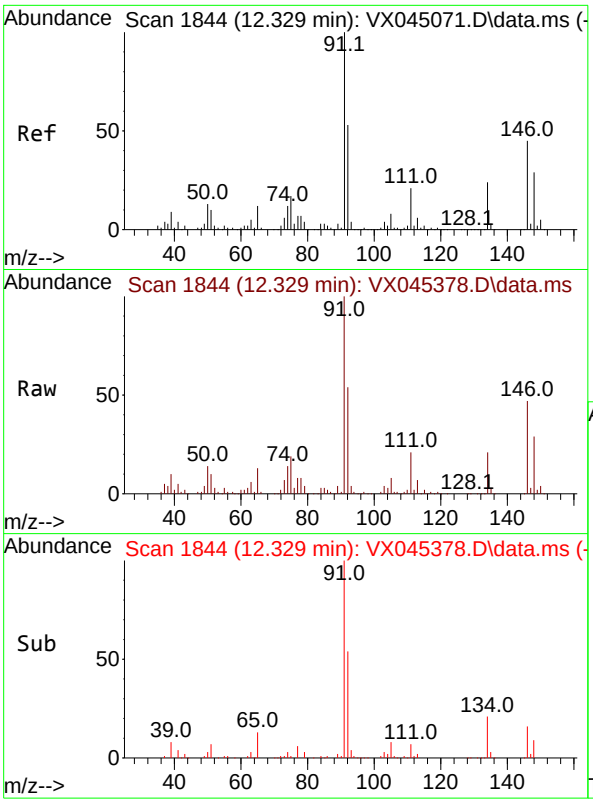


#88
1,4-Dichlorobenzene
Concen: 19.286 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 43137

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.2	60.5
148	64.2	31.9	95.9

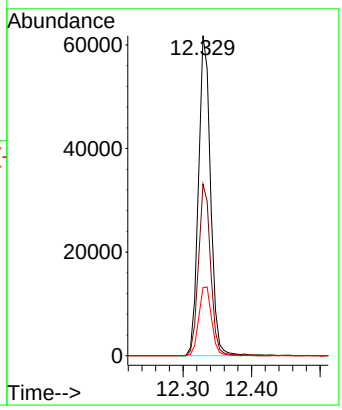




#89
n-Butylbenzene
Concen: 20.885 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 7598

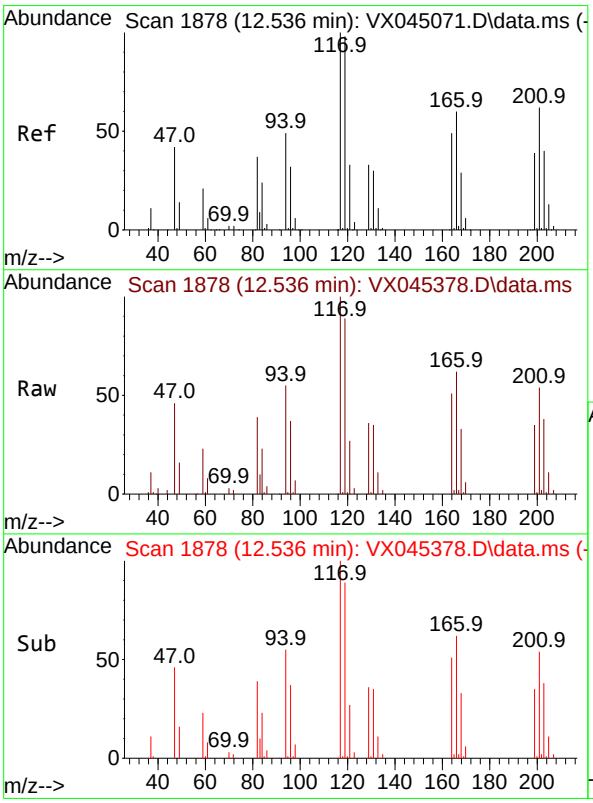
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.0
134	22.7	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

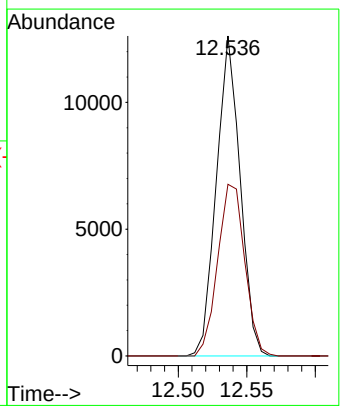
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

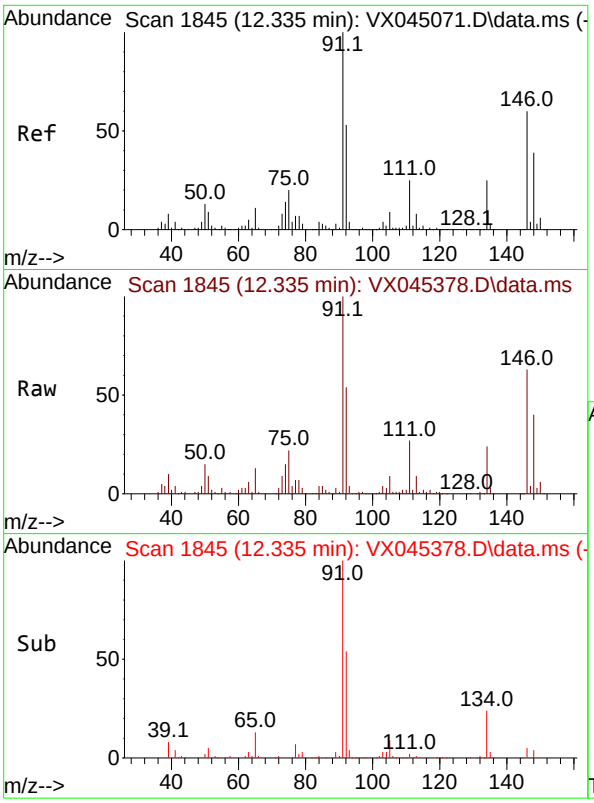


#90
Hexachloroethane
Concen: 19.850 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 15167

Ion	Ratio	Lower	Upper
117	100		
201	61.4	31.9	95.9

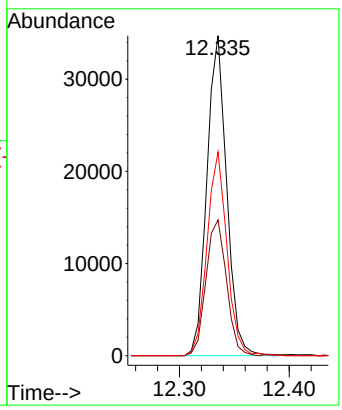




#91
1,2-Dichlorobenzene
Concen: 19.630 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 4353

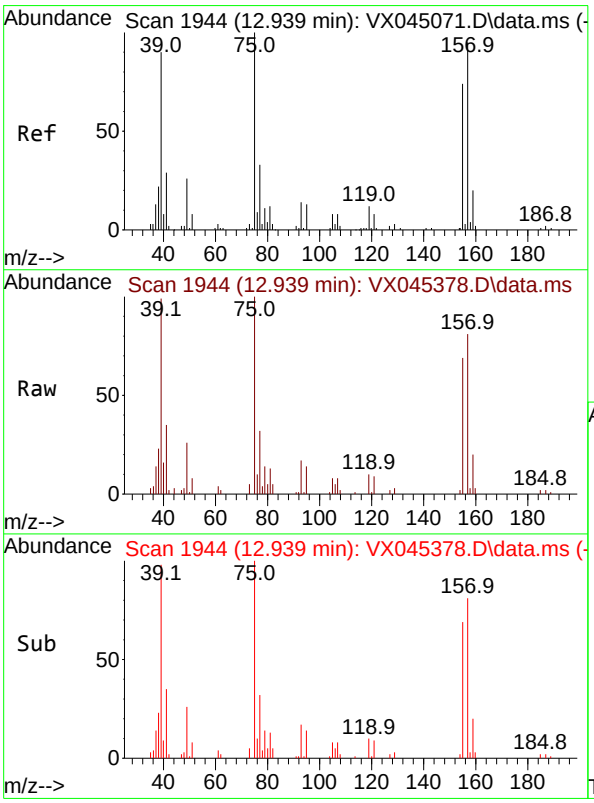
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.0	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

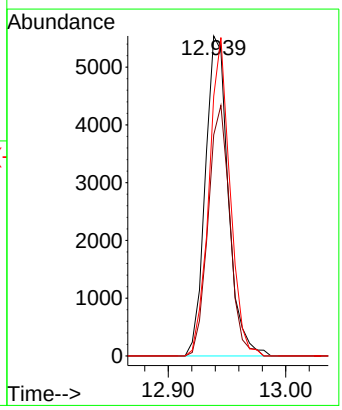
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

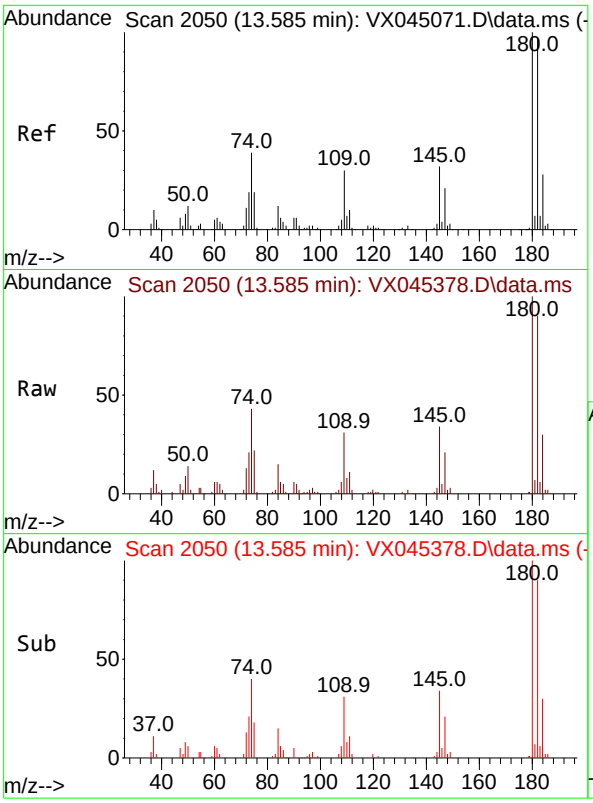


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.952 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 7492

Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.6	118.7
157	91.2	51.1	153.4

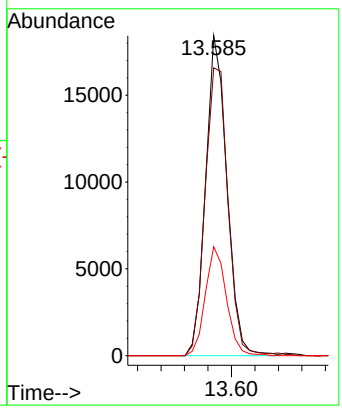




#93
1,2,4-Trichlorobenzene
Concen: 18.403 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:180 Resp: 2323

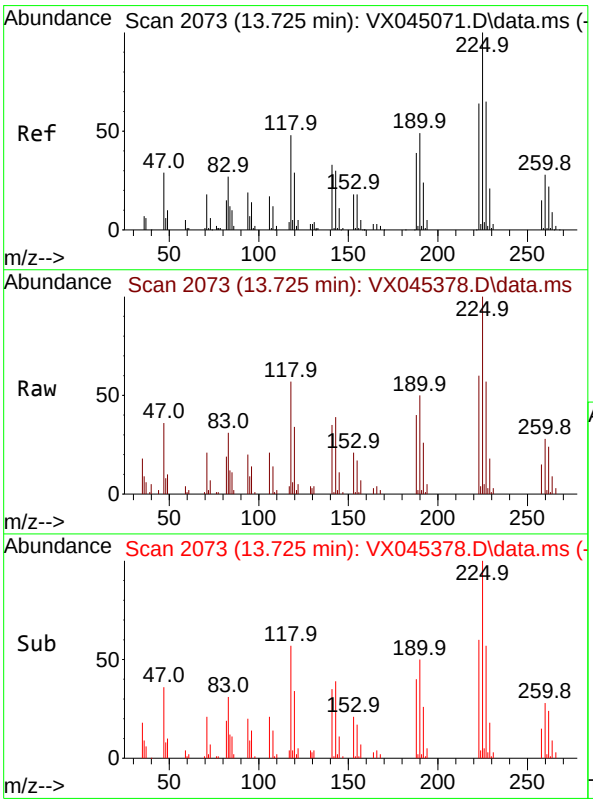
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	33.7	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

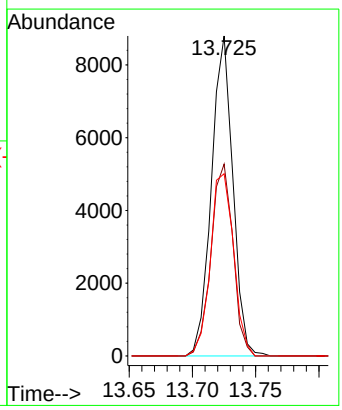
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025

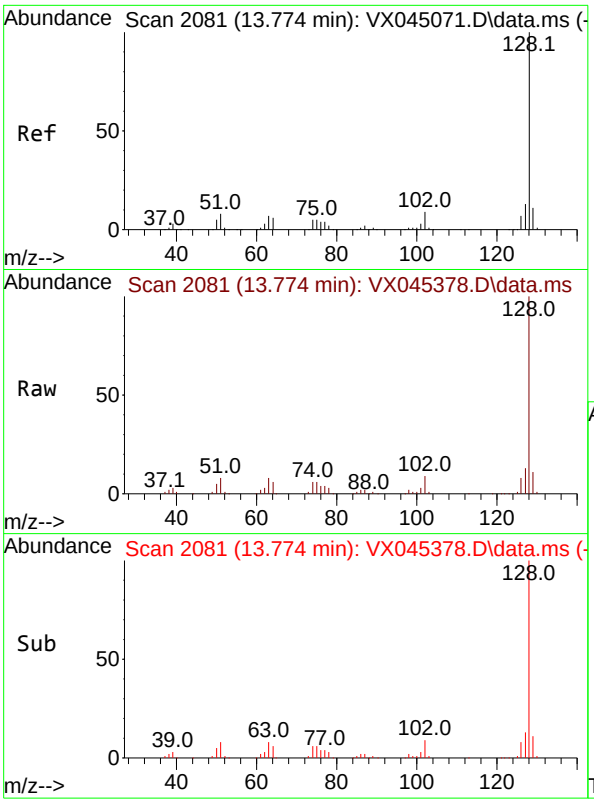


#94
Hexachlorobutadiene
Concen: 19.997 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:225 Resp: 10353

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.7
227	61.9	31.4	94.0

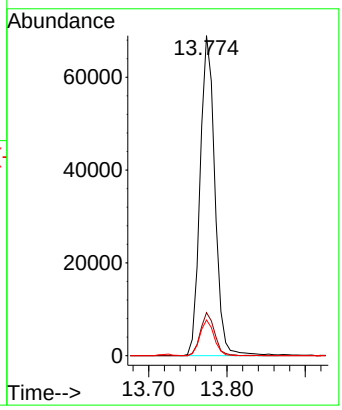




#95
Naphthalene
Concen: 18.655 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:128 Resp: 9051

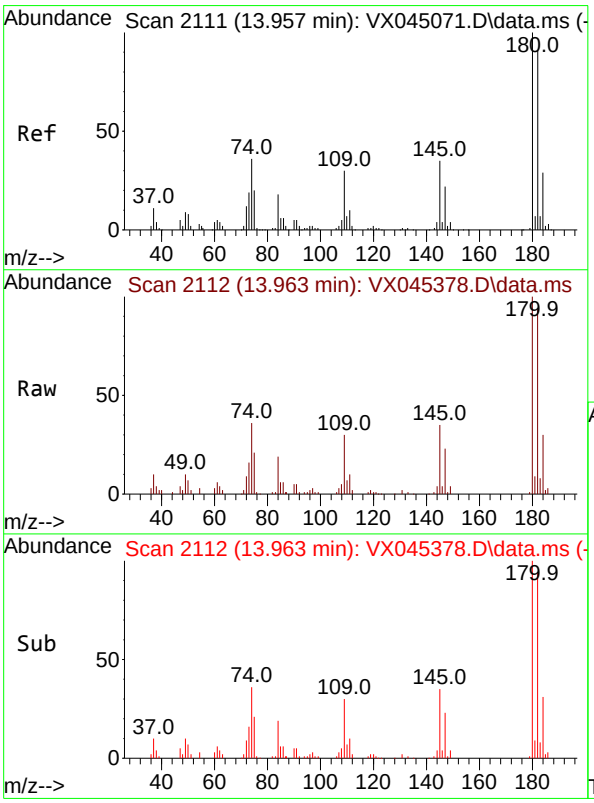
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Manual Integrations
APPROVED

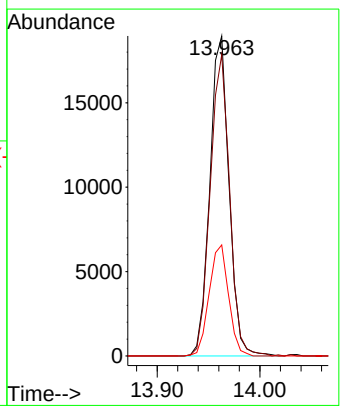
Reviewed By :Semsettin Yesilyurt 03/24/2025
Supervised By :Mahesh Dadoda 03/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.526 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:180 Resp: 24680

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	35.1	17.0	50.9



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:	VX0320WBSD01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045355.D	1		03/20/25 12:53	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.0		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	14.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	14.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	86.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	16.8		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.0		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	90.7		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.1		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.8		0.68	2.50	5.00	ug/L
108-88-3	Toluene	18.8		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBSD01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045355.D	1		03/20/25 12:53	VX032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	94.7		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		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	18.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.3		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	18.2		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		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	19.2		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.9		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	103000	5.544				
540-36-3	1,4-Difluorobenzene	182000	6.757				
3114-55-4	Chlorobenzene-d5	154000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	66200	12.018				

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0320WBSD01	SDG No.:	Q1582
Lab Sample ID:	VX0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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:	Prep Date	Date Analyzed	Prep Batch ID
VX045355.D	1		03/20/25 12:53	VX032025

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\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	103163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90427	55.106	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.220%			
35) Dibromofluoromethane	5.379	113	66573	54.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.560%			
50) Toluene-d8	8.647	98	227931	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
62) 4-Bromofluorobenzene	11.079	95	76667	52.516	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	20816	16.030	ug/l	93
3) Chloromethane	1.307	50	22694	14.280	ug/l	100
4) Vinyl Chloride	1.374	62	22442	14.235	ug/l	95
5) Bromomethane	1.593	94	10536	17.001	ug/l	95
6) Chloroethane	1.666	64	12737	17.516	ug/l	91
7) Trichlorofluoromethane	1.873	101	35069	16.804	ug/l	95
8) Diethyl Ether	2.130	74	12438	15.237	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	22957	19.147	ug/l	99
10) Methyl Iodide	2.447	142	25972	17.333	ug/l	96
11) Tert butyl alcohol	2.977	59	21006	67.582	ug/l	99
12) 1,1-Dichloroethene	2.312	96	21080	16.629	ug/l	95
13) Acrolein	2.233	56	16173	45.012	ug/l	98
14) Allyl chloride	2.660	41	40725	18.048	ug/l	95
15) Acrylonitrile	3.062	53	73899	88.710	ug/l	99
16) Acetone	2.386	43	65813	86.442	ug/l	99
17) Carbon Disulfide	2.501	76	43727	12.951	ug/l	97
18) Methyl Acetate	2.703	43	41294	22.546	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	75611	17.778	ug/l	100
20) Methylene Chloride	2.782	84	25392	16.837	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	21273	16.986	ug/l	98
22) Diisopropyl ether	3.763	45	82592	17.997	ug/l	94
23) Vinyl Acetate	3.721	43	333482	87.078	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46000	17.886	ug/l	100
25) 2-Butanone	4.562	43	103957	90.711	ug/l	93
26) 2,2-Dichloropropane	4.471	77	30710	25.457	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	27428	17.742	ug/l	93
28) Bromochloromethane	4.891	49	22492	18.348	ug/l	98
29) Tetrahydrofuran	5.007	42	64971	84.420	ug/l	98
30) Chloroform	5.086	83	48043	18.800	ug/l	98
31) Cyclohexane	5.458	56	37277	16.697	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	37970	18.397	ug/l	97
36) 1,1-Dichloropropene	5.690	75	28834	17.302	ug/l	98
37) Ethyl Acetate	4.721	43	38316	17.842	ug/l	97
38) Carbon Tetrachloride	5.672	117	31919	18.865	ug/l	94
39) Methylcyclohexane	7.379	83	35667	17.861	ug/l	97
40) Benzene	6.031	78	95403	18.128	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21420	18.447	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37596	19.839	ug/l		96
43) Isopropyl Acetate	6.342	43	58297	18.358	ug/l		99
44) Trichloroethene	7.123	130	22079	17.867	ug/l		97
45) 1,2-Dichloropropane	7.427	63	24774	18.309	ug/l		96
46) Dibromomethane	7.580	93	18218	19.049	ug/l		98
47) Bromodichloromethane	7.818	83	35984	19.182	ug/l		100
48) Methyl methacrylate	7.696	41	29431	18.474	ug/l		93
49) 1,4-Dioxane	7.665	88	10437	310.577	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	199937	93.772	ug/l		99
52) Toluene	8.714	92	58027	18.793	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28125	17.934	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	34347	18.782	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	23399	18.408	ug/l		97
56) Ethyl methacrylate	9.116	69	35410	18.326	ug/l		94
57) 1,3-Dichloropropane	9.305	76	41664	18.940	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	99493	105.558	ug/l		99
59) 2-Hexanone	9.427	43	146337	94.726	ug/l		98
60) Dibromochloromethane	9.518	129	24709	18.591	ug/l		100
61) 1,2-Dibromoethane	9.610	107	23441	18.473	ug/l		95
64) Tetrachloroethene	9.268	164	18524	18.748	ug/l		98
65) Chlorobenzene	10.073	112	61249	18.763	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20539	18.893	ug/l		97
67) Ethyl Benzene	10.189	91	108805	19.129	ug/l		100
68) m/p-Xylenes	10.299	106	80137	38.487	ug/l		97
69) o-Xylene	10.640	106	40477	19.274	ug/l		97
70) Styrene	10.652	104	64556	18.998	ug/l		98
71) Bromoform	10.799	173	14948	18.235	ug/l	#	98
73) Isopropylbenzene	10.957	105	104692	20.247	ug/l		99
74) N-amyl acetate	10.841	43	45871	18.906	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36461	19.215	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	29874m	19.375	ug/l		
77) Bromobenzene	11.195	156	23427	19.202	ug/l		98
78) n-propylbenzene	11.299	91	117971	20.197	ug/l		98
79) 2-Chlorotoluene	11.360	91	72251	19.423	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	84359	20.177	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8196	18.191	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	80479	19.851	ug/l		99
83) tert-Butylbenzene	11.713	119	84632	19.701	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	84742	20.144	ug/l		98
85) sec-Butylbenzene	11.890	105	105104	20.425	ug/l		99
86) p-Isopropyltoluene	12.006	119	84328	20.278	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41784	19.199	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	41434	18.817	ug/l		98
89) n-Butylbenzene	12.329	91	70969	19.814	ug/l		100
90) Hexachloroethane	12.536	117	13841	18.401	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41960	19.219	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7380	19.964	ug/l		89
93) 1,2,4-Trichlorobenzene	13.585	180	22232	17.883	ug/l		99
94) Hexachlorobutadiene	13.725	225	9477	18.594	ug/l		98
95) Naphthalene	13.774	128	85625	17.927	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	23401	17.843	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

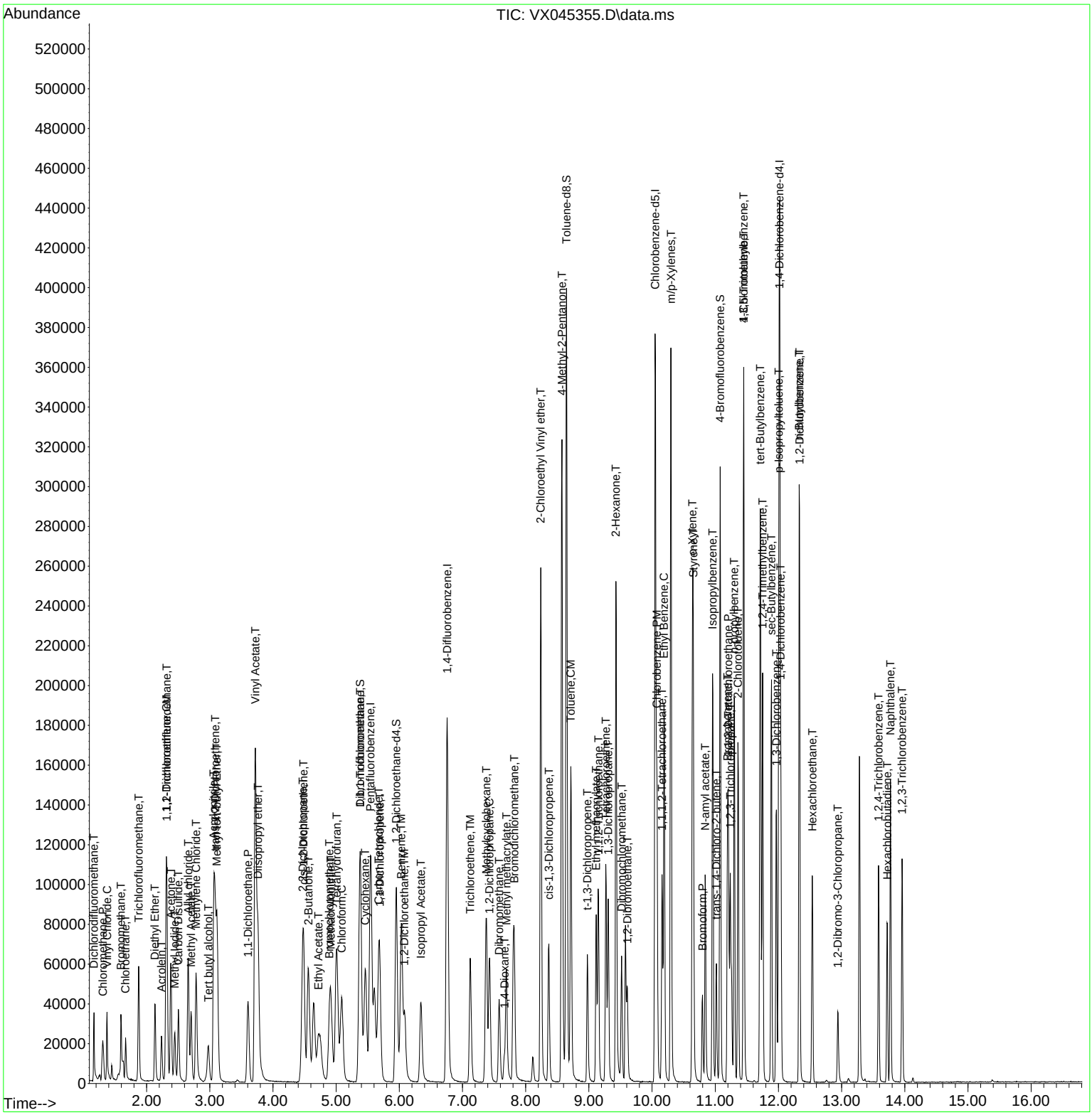
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Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

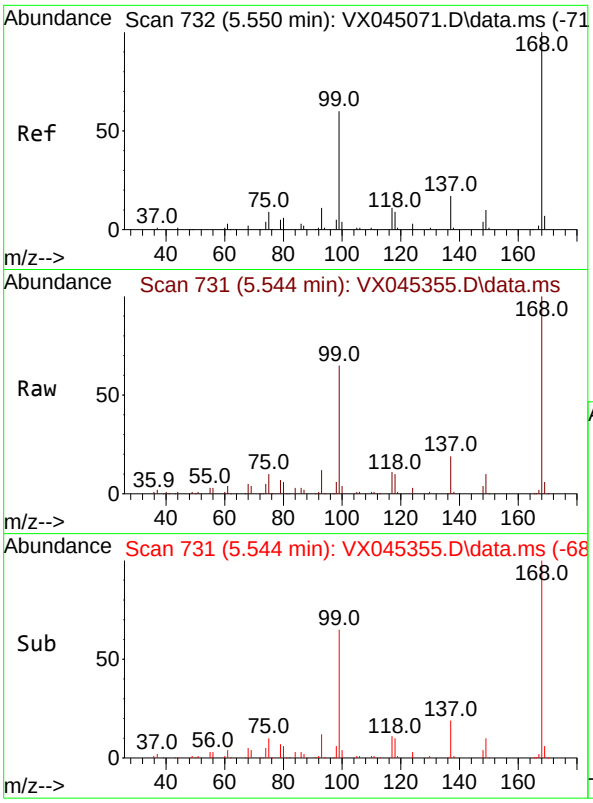
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
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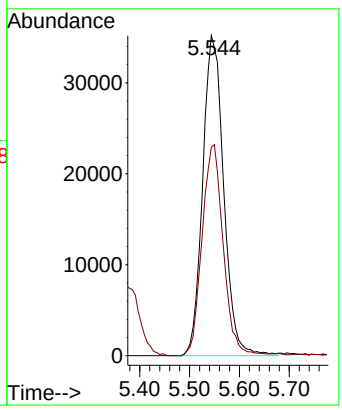




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:168 Resp: 10316

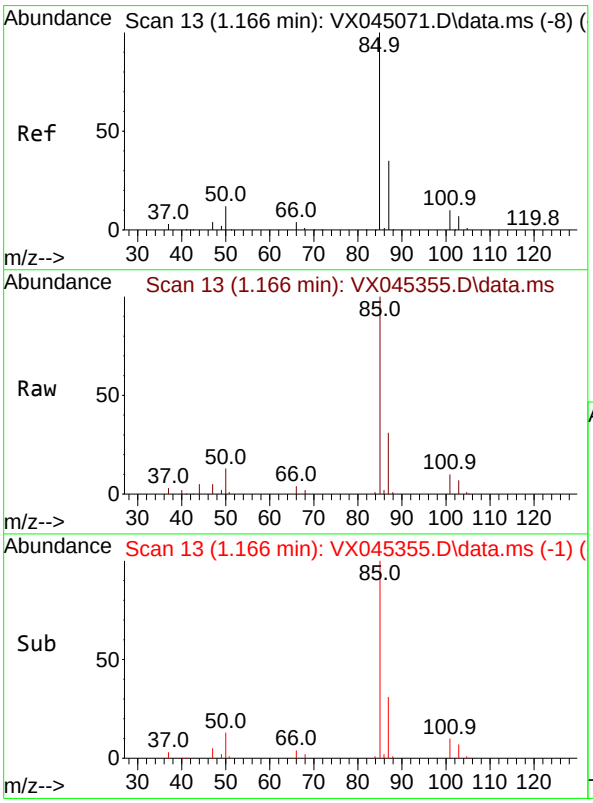
Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

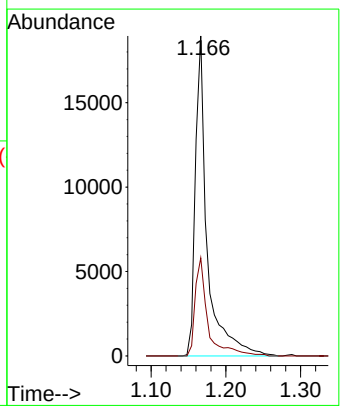
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

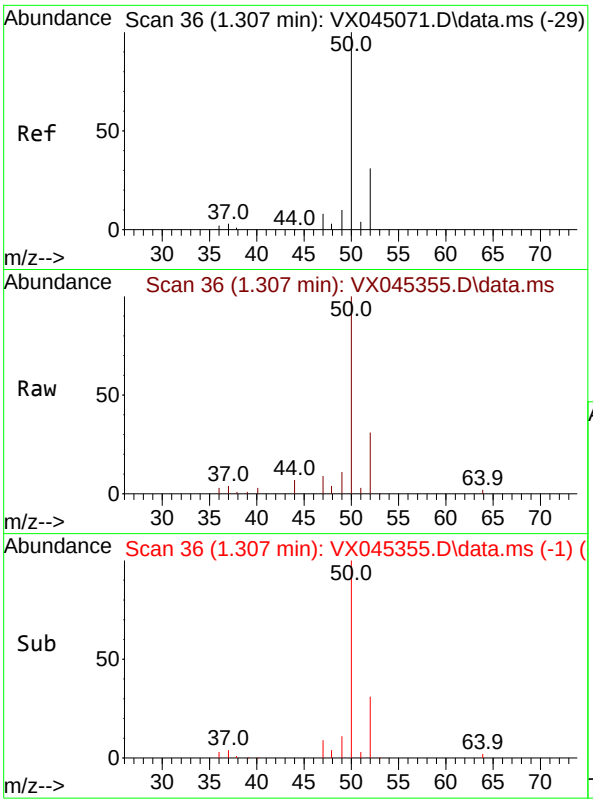


#2
Dichlorodifluoromethane
Concen: 16.030 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 85 Resp: 20816

Ion	Ratio	Lower	Upper
85	100		
87	30.6	17.4	52.3

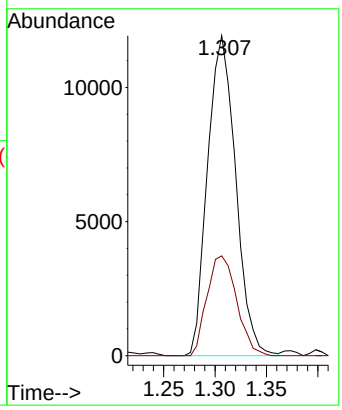




#3
Chloromethane
Concen: 14.280 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 50 Resp: 2269

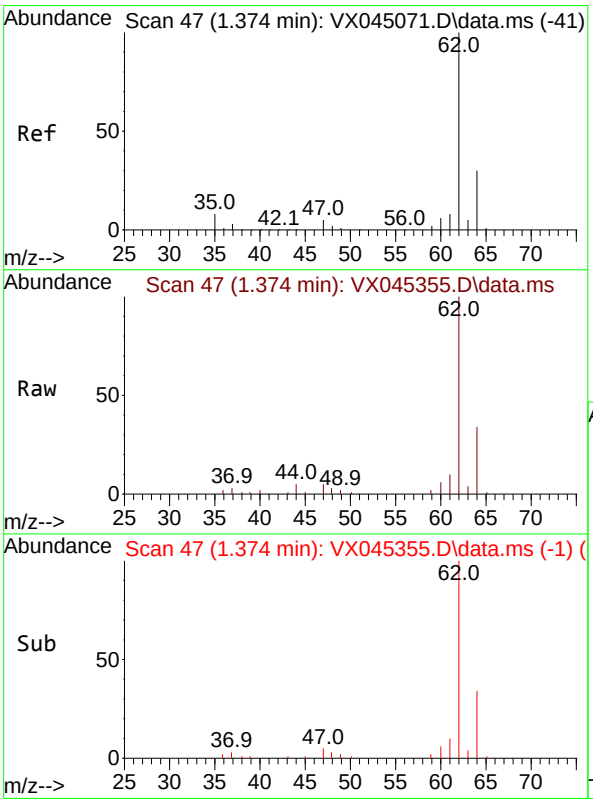
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

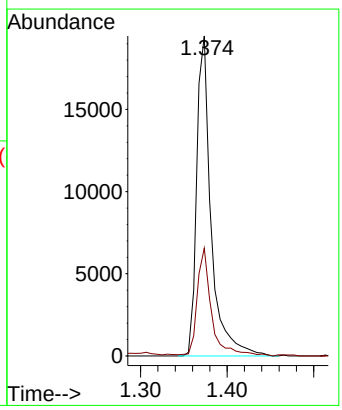
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

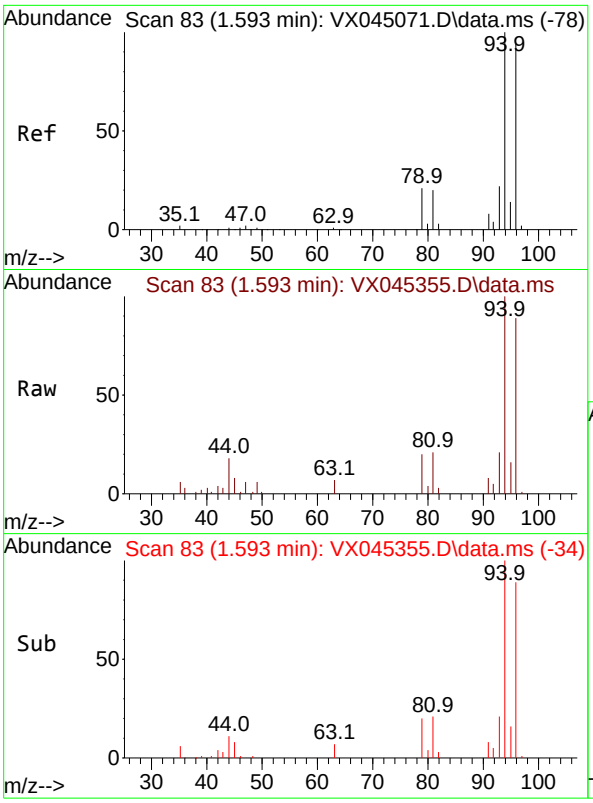


#4
Vinyl Chloride
Concen: 14.235 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 62 Resp: 22442

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.3	36.5

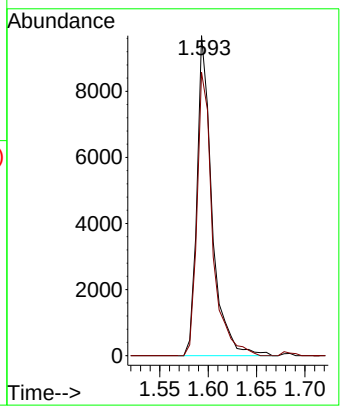




#5
Bromomethane
Concen: 17.001 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 94 Resp: 1053

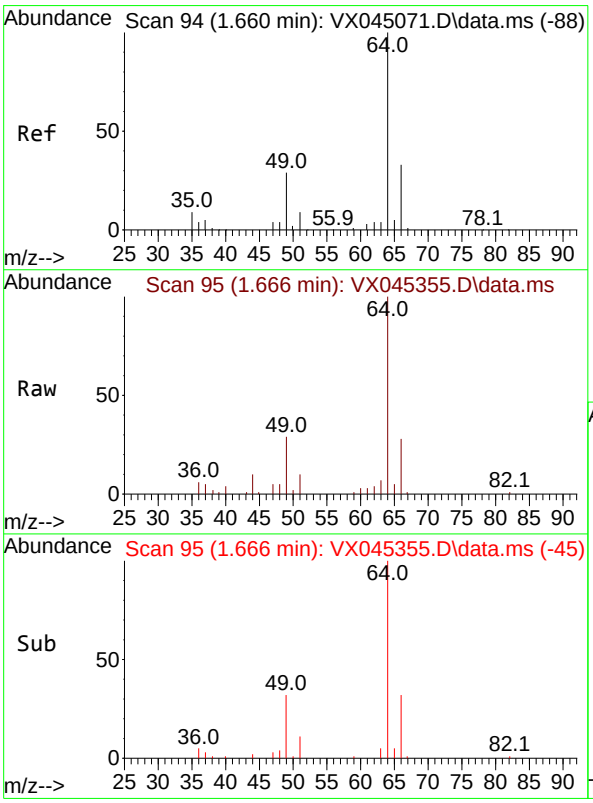
Ion	Ratio	Lower	Upper
94	100		
96	88.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

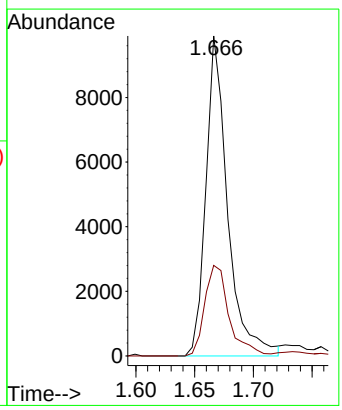
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

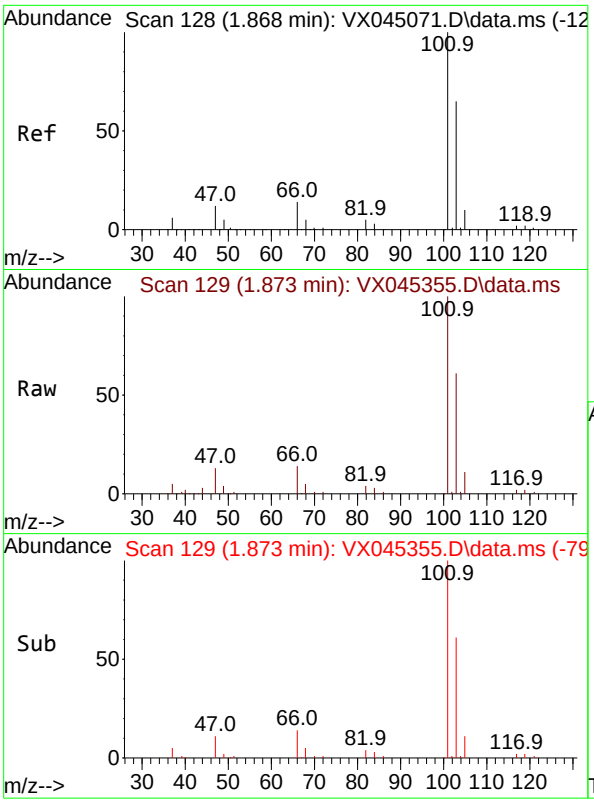


#6
Chloroethane
Concen: 17.516 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 64 Resp: 12737

Ion	Ratio	Lower	Upper
64	100		
66	28.3	26.7	40.1

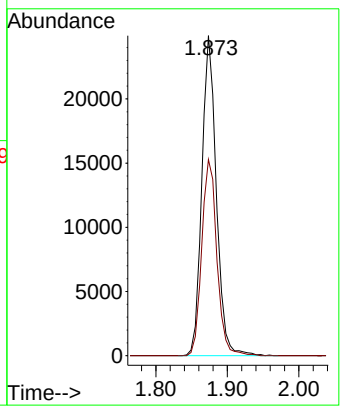




#7
Trichlorofluoromethane
Concen: 16.804 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:101 Resp: 3506

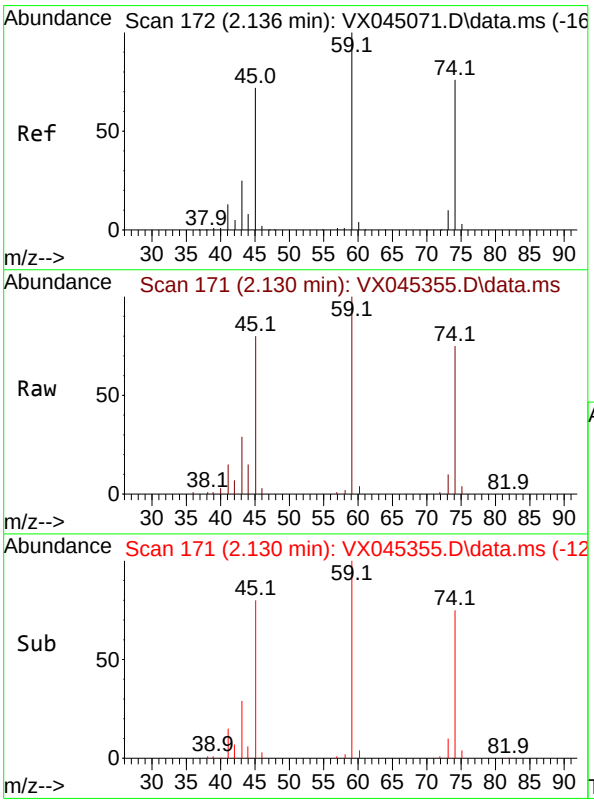
Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

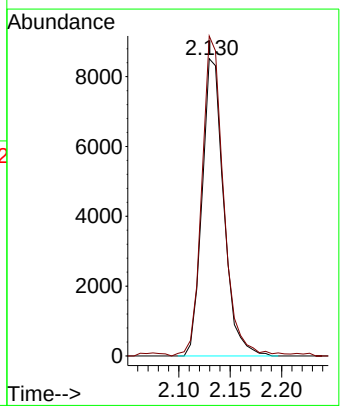
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

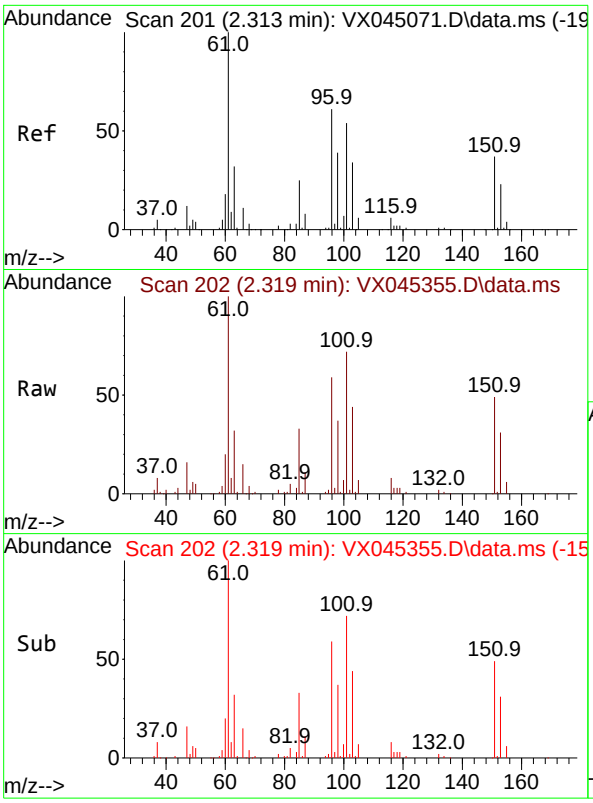


#8
Diethyl Ether
Concen: 15.237 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 74 Resp: 12438

Ion	Ratio	Lower	Upper
74	100		
45	108.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.147 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

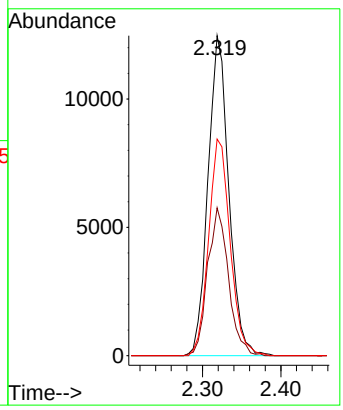
Tgt Ion:101 Resp: 2295

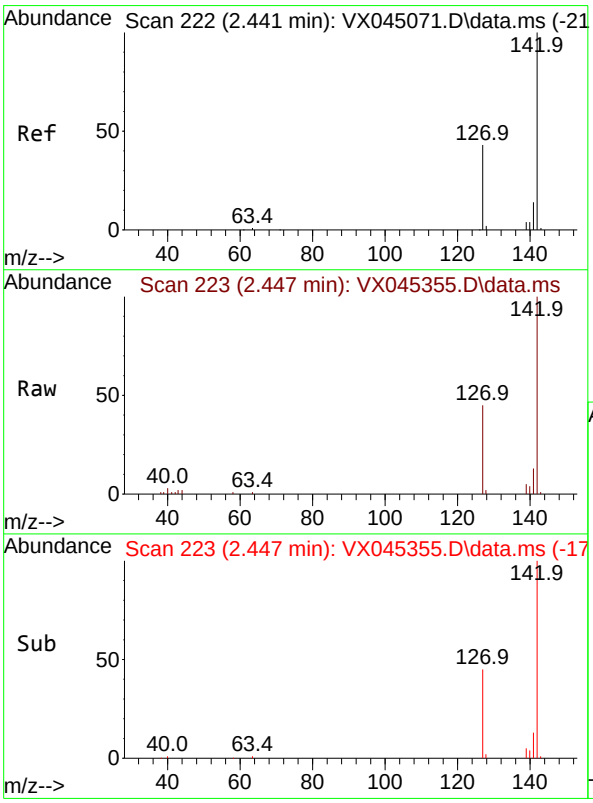
Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	70.2	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

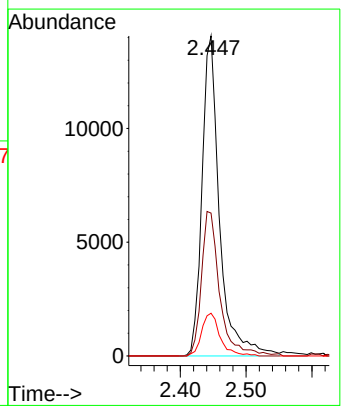


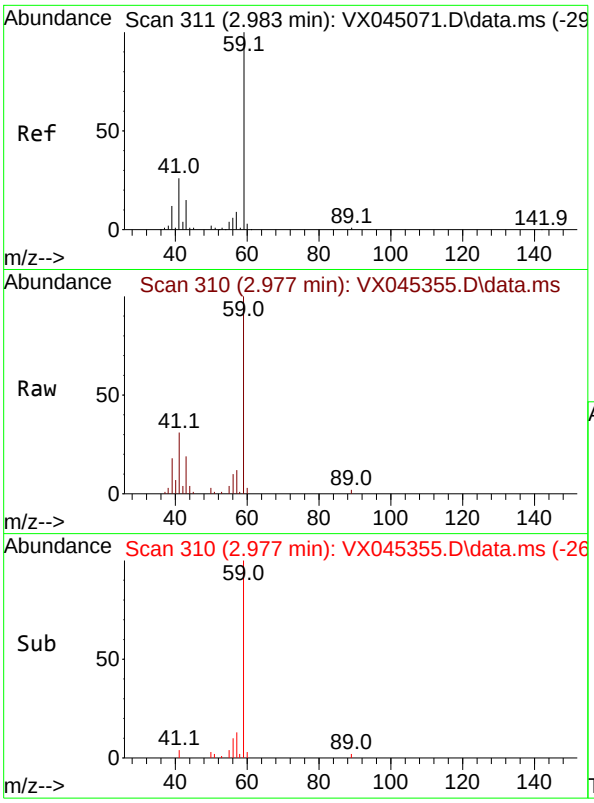


#10
Methyl Iodide
Concen: 17.333 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:142 Resp: 25972

Ion	Ratio	Lower	Upper
142	100		
127	47.3	35.4	53.2
141	14.2	11.6	17.4

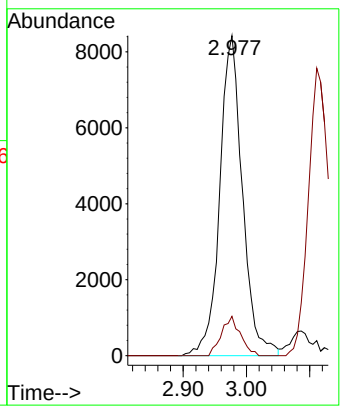




#11
Tert butyl alcohol
Concen: 67.582 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 59 Resp: 2100

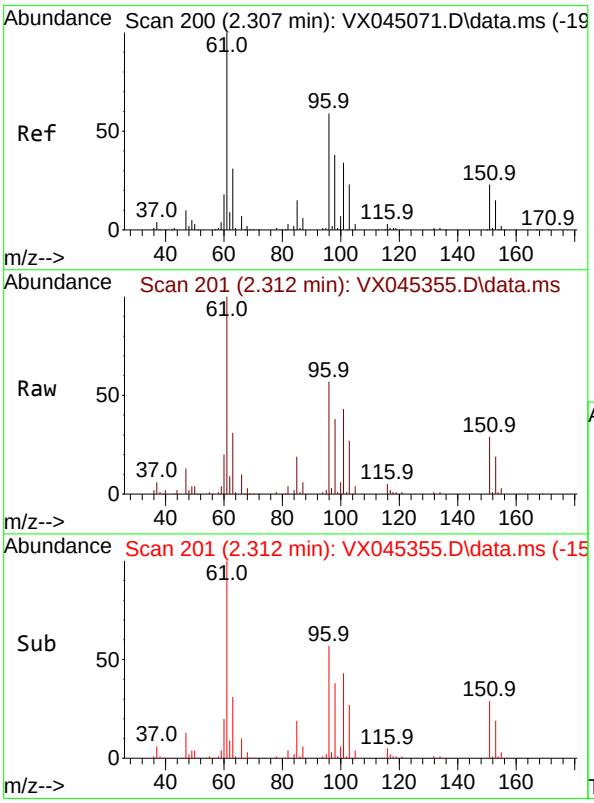
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

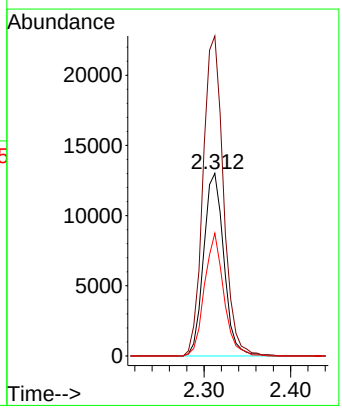
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

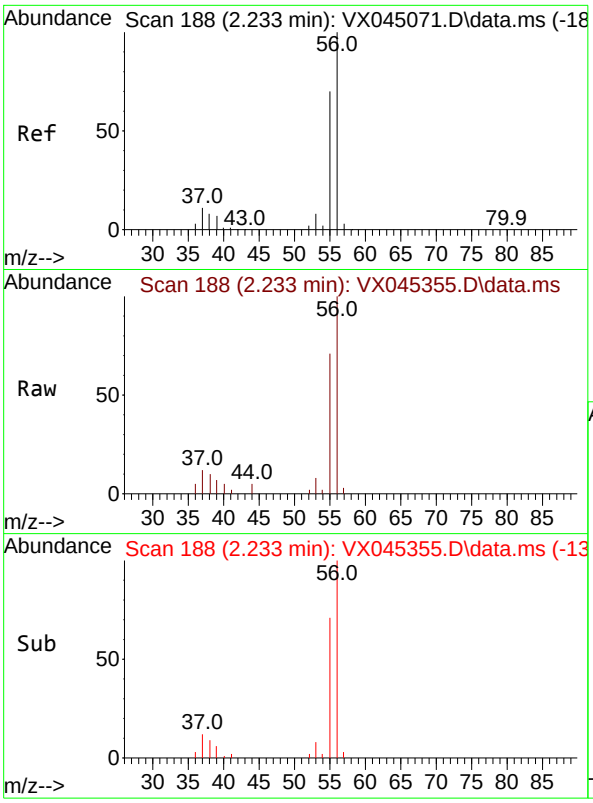


#12
1,1-Dichloroethene
Concen: 16.629 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 96 Resp: 21080

Ion	Ratio	Lower	Upper
96	100		
61	175.3	134.6	202.0
98	67.2	51.0	76.6

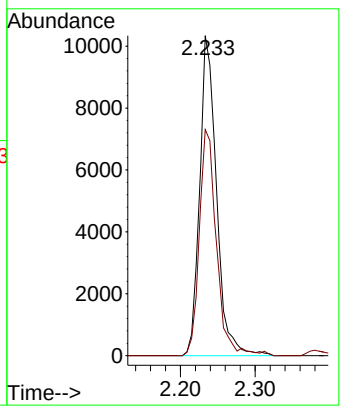




#13
Acrolein
Concen: 45.012 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 56 Resp: 1617

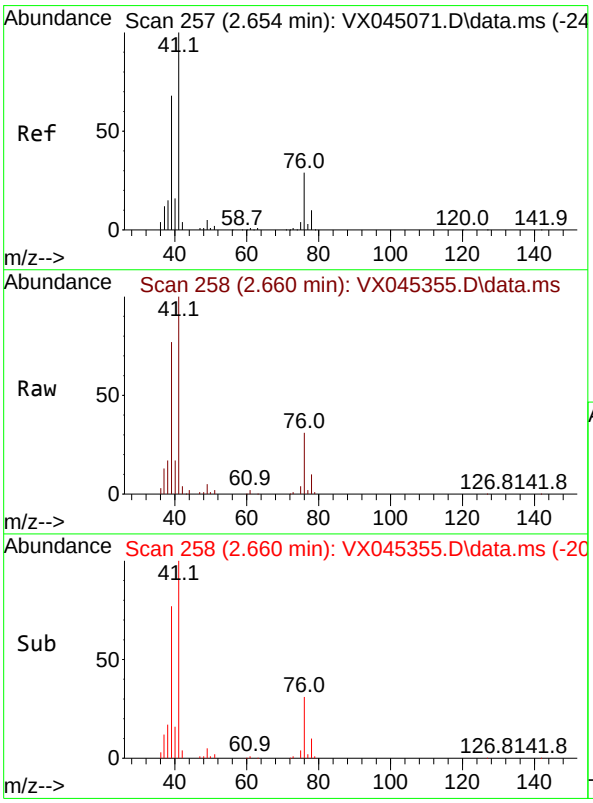
Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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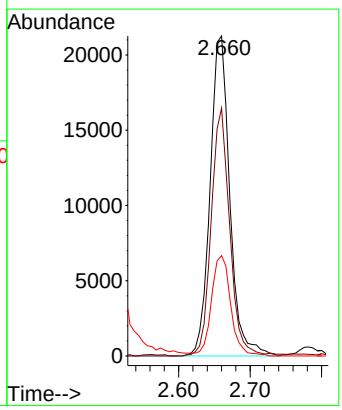
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

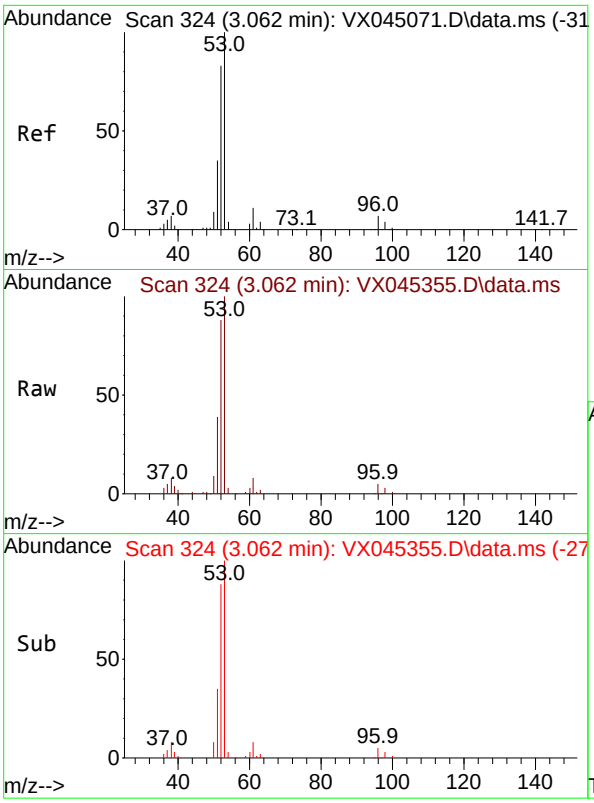


#14
Allyl chloride
Concen: 18.048 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 41 Resp: 40725

Ion	Ratio	Lower	Upper
41	100		
39	72.8	53.8	80.8
76	30.7	25.2	37.8

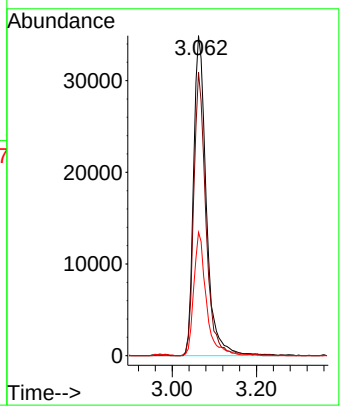




#15
Acrylonitrile
Concen: 88.710 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 53 Resp: 7389

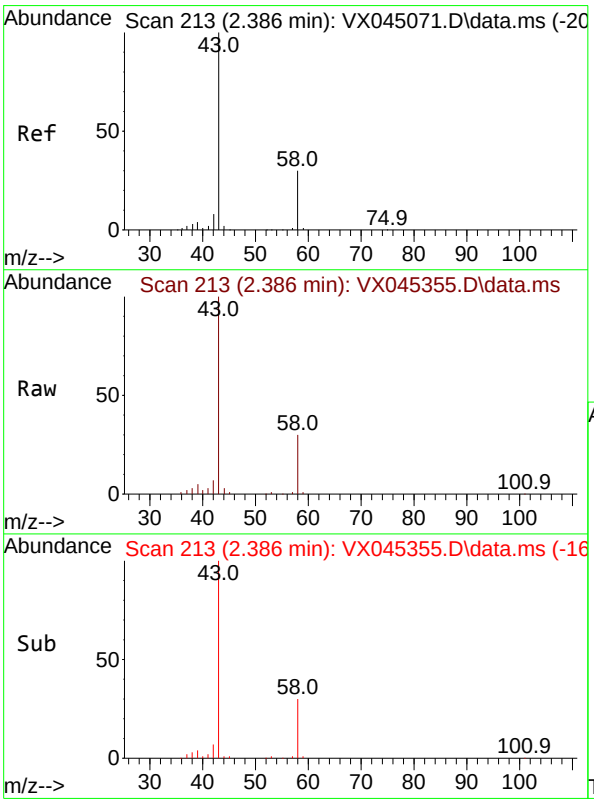
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.4	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

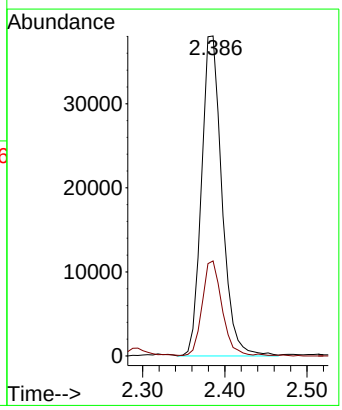
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

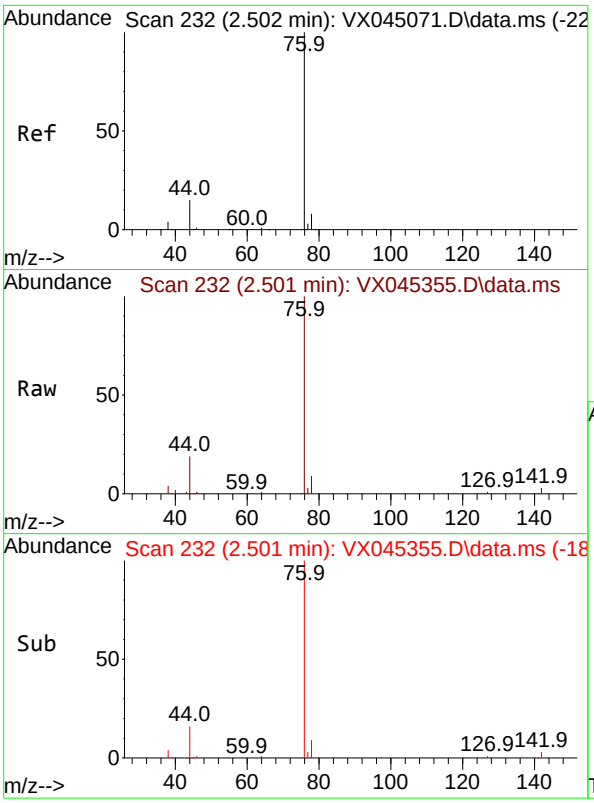


#16
Acetone
Concen: 86.442 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 65813

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4

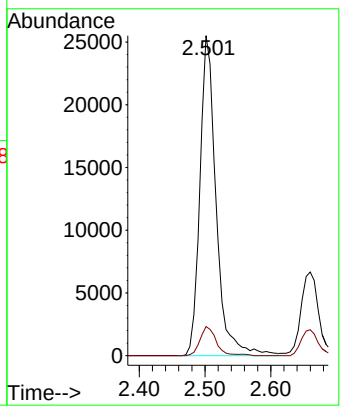




#17
Carbon Disulfide
Concen: 12.951 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 76 Resp: 4372

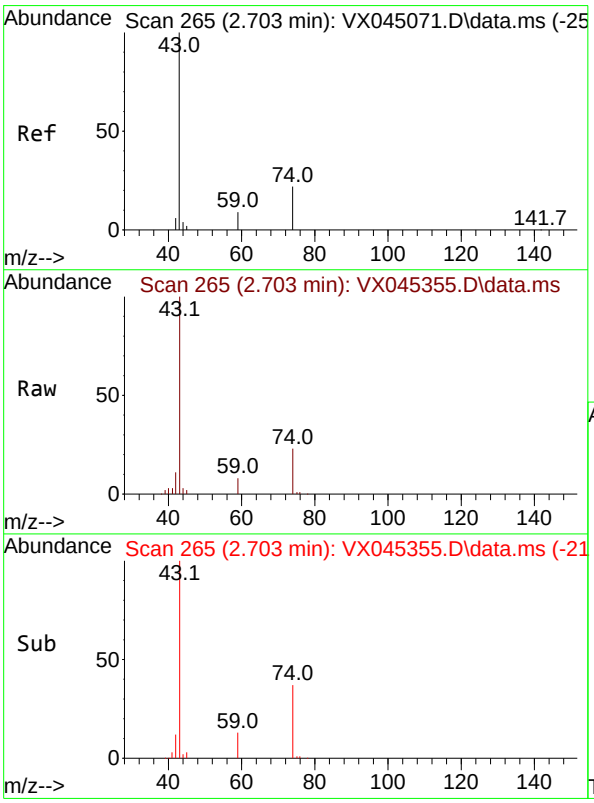
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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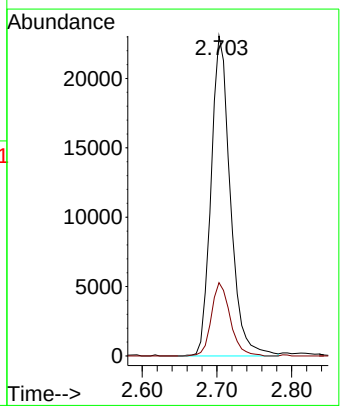
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

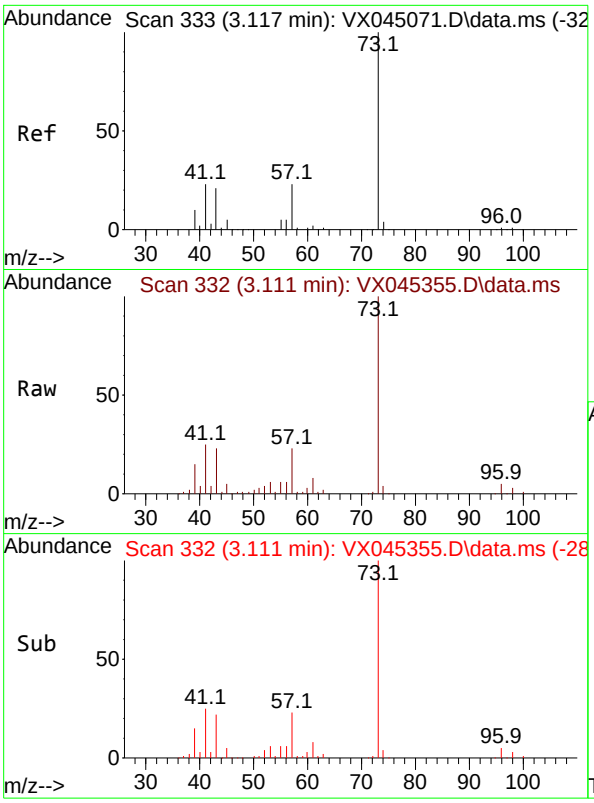


#18
Methyl Acetate
Concen: 22.546 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 41294

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 17.778 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

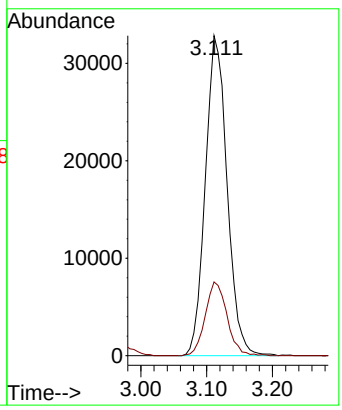
Tgt Ion: 73 Resp: 7561

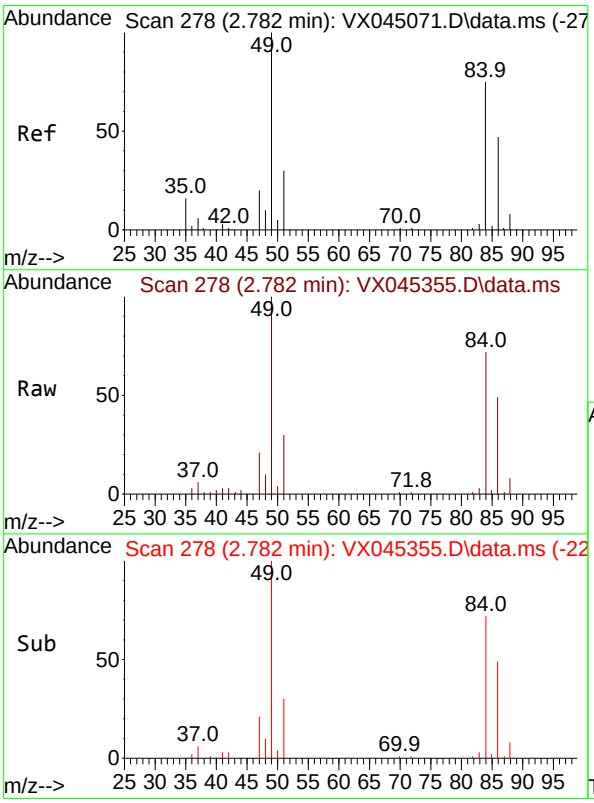
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

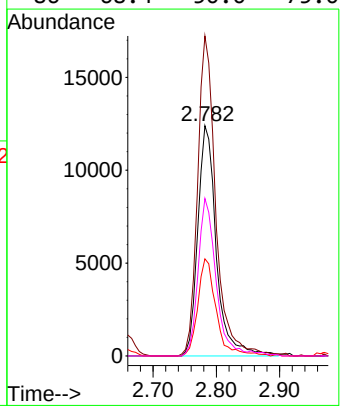


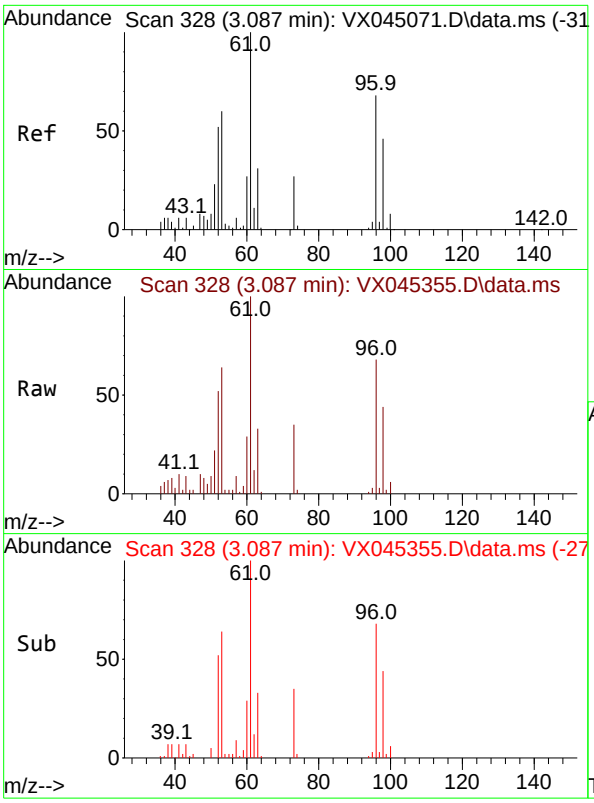


#20
Methylene Chloride
Concen: 16.837 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 84 Resp: 25392

Ion	Ratio	Lower	Upper
84	100		
49	139.0	106.5	159.7
51	42.2	32.1	48.1
86	68.4	50.0	75.0

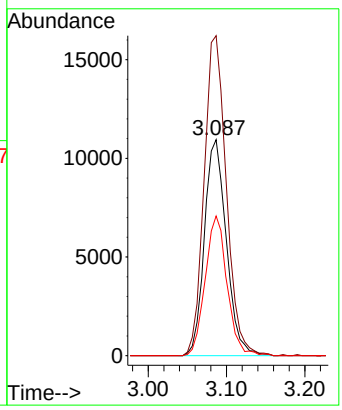




#21
trans-1,2-Dichloroethene
Concen: 16.986 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 96 Resp: 2127

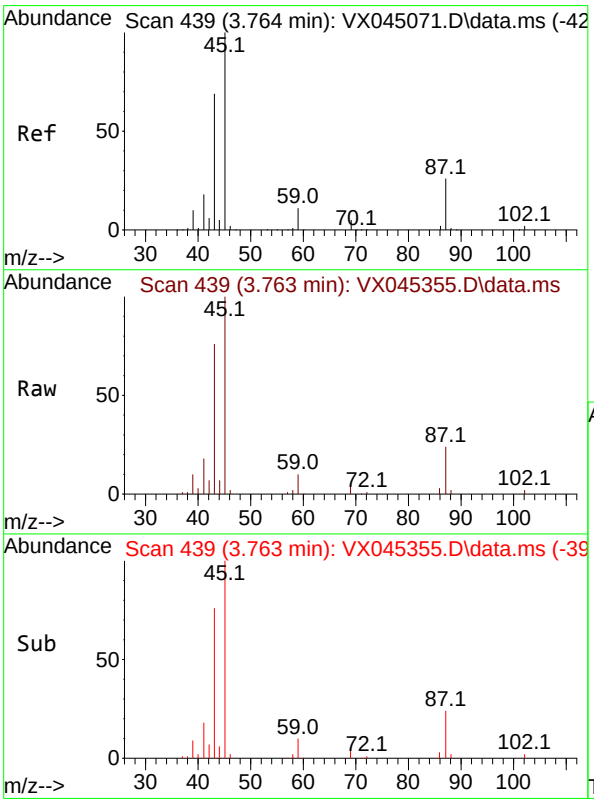
Ion	Ratio	Lower	Upper
96	100		
61	148.1	117.0	175.4
98	64.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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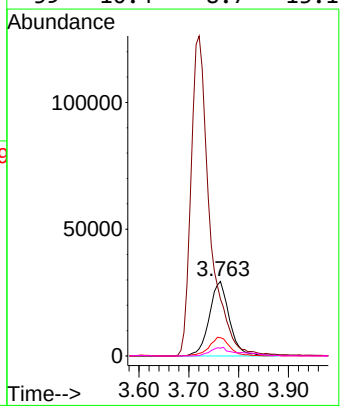
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

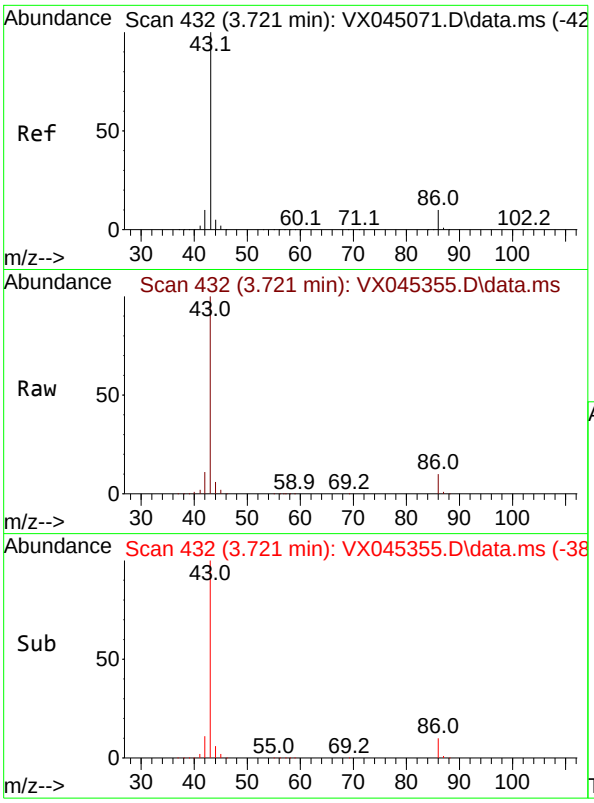


#22
Diisopropyl ether
Concen: 17.997 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 45 Resp: 82592

Ion	Ratio	Lower	Upper
45	100		
43	75.2	54.9	82.3
87	24.4	21.0	31.4
59	10.4	8.7	13.1





#23
Vinyl Acetate
Concen: 87.078 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

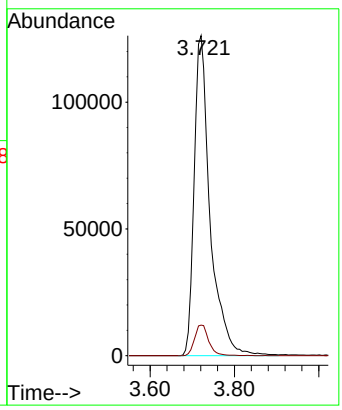
Tgt Ion: 43 Resp: 33348

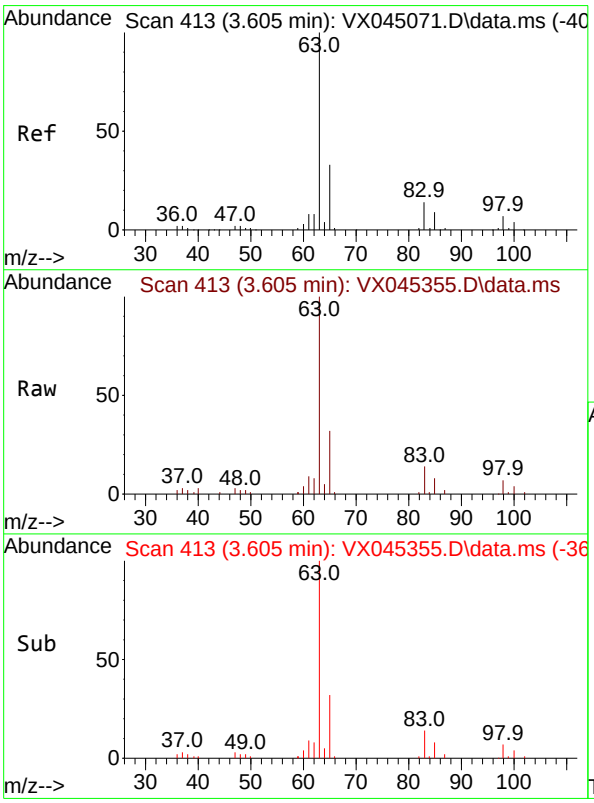
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

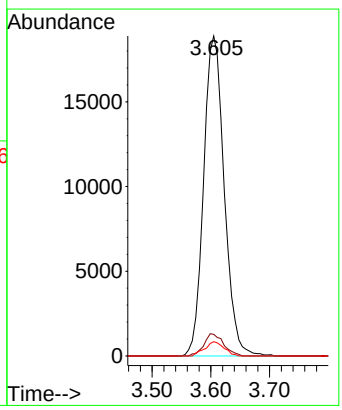


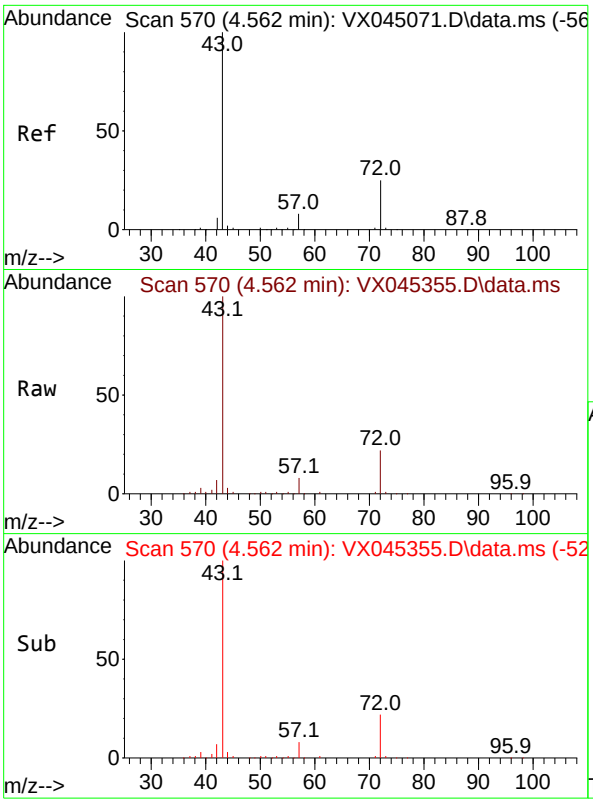


#24
1,1-Dichloroethane
Concen: 17.886 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 63 Resp: 46000

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 90.711 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

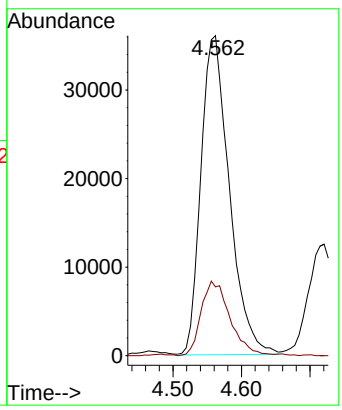
Tgt Ion: 43 Resp: 10395

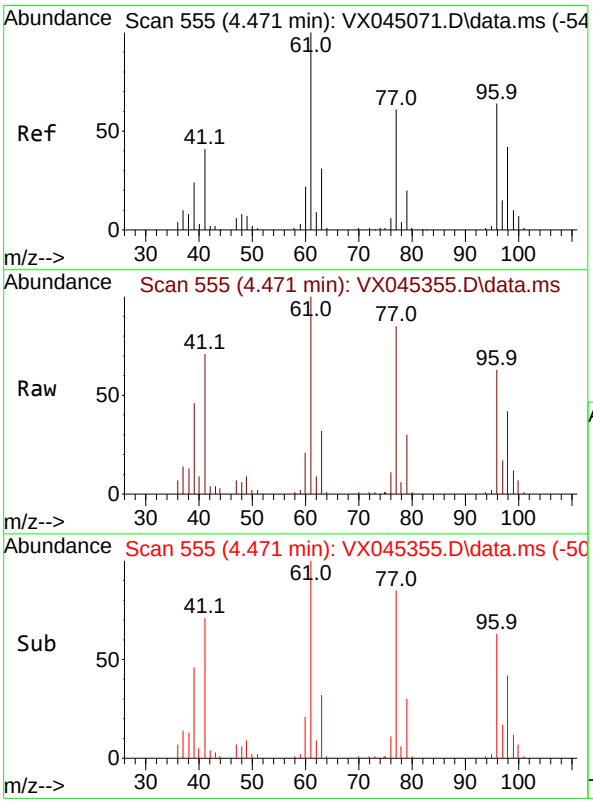
Ion	Ratio	Lower	Upper
43	100		
72	21.6	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

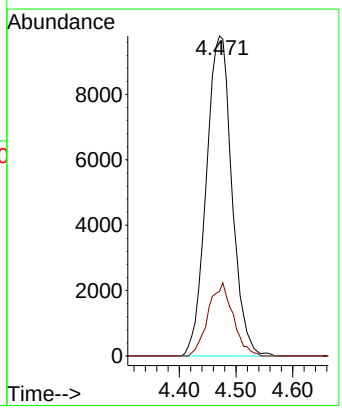


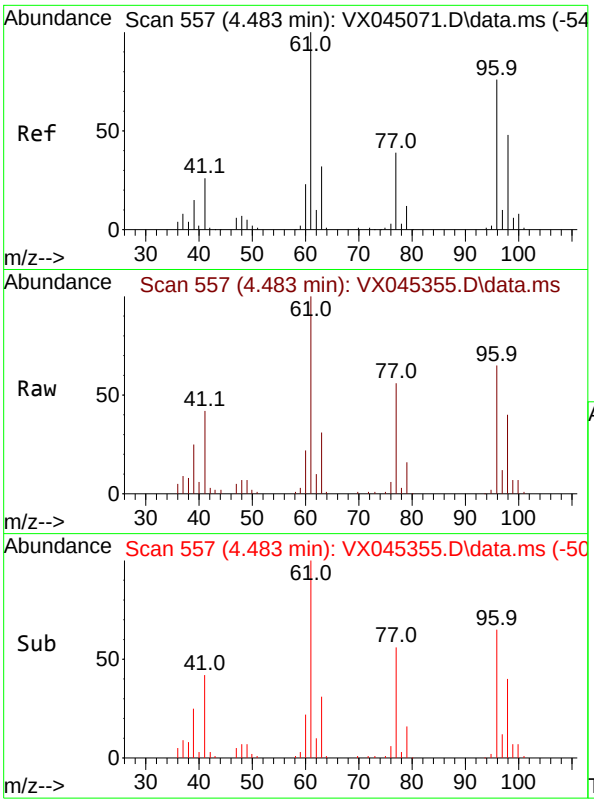


#26
2,2-Dichloropropane
Concen: 25.457 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 77 Resp: 30710

Ion	Ratio	Lower	Upper
77	100		
97	22.2	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 17.742 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

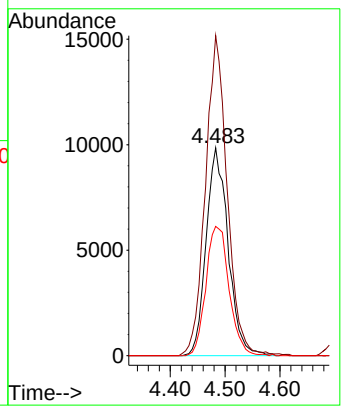
Tgt Ion: 96 Resp: 2742

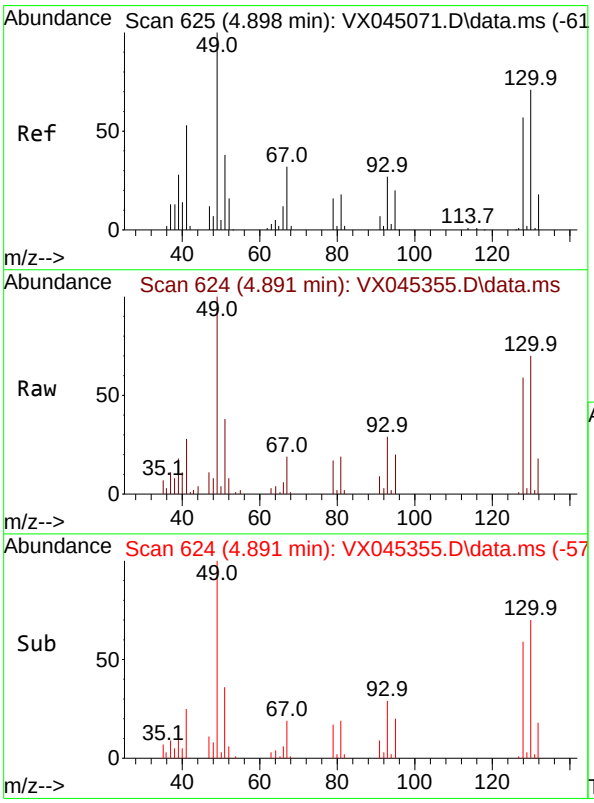
Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	283.2
98	65.6	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

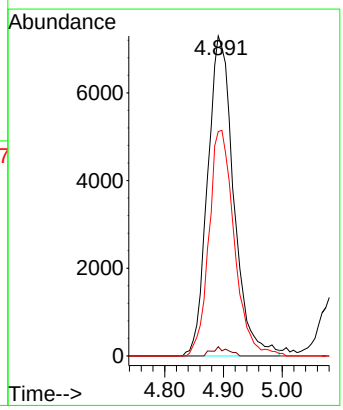


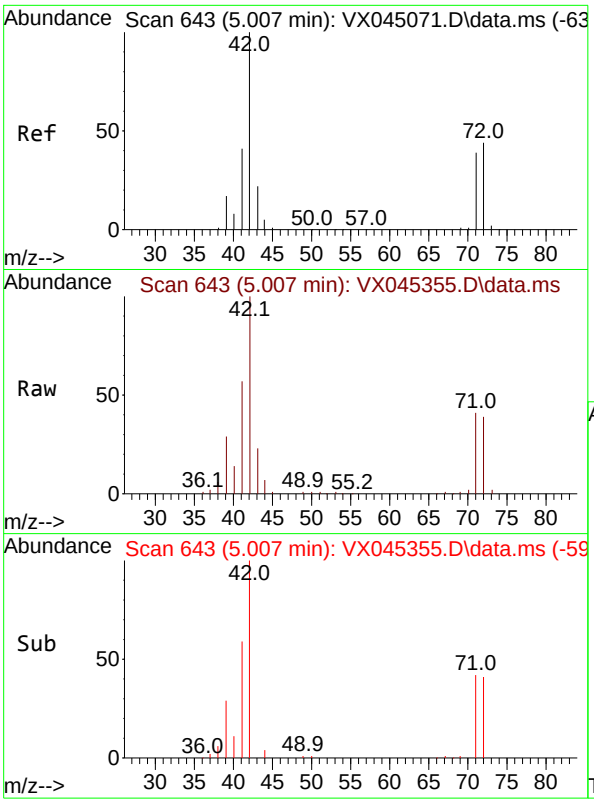


#28
Bromochloromethane
Concen: 18.348 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 49 Resp: 22492

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 84.420 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

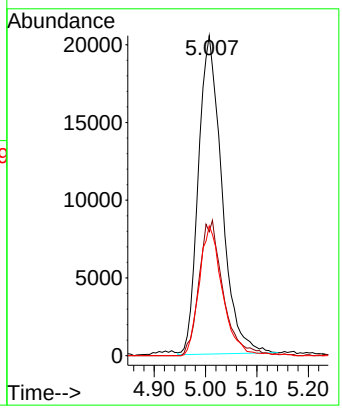
Tgt Ion: 42 Resp: 6497

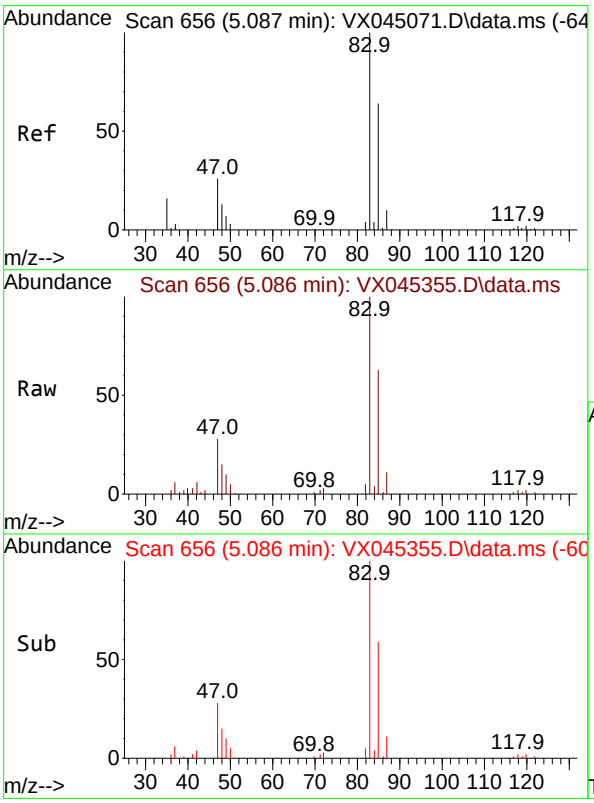
Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.1	51.1
71	40.4	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

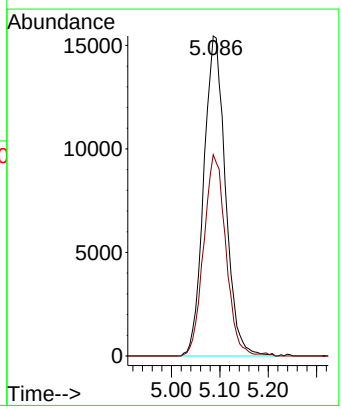


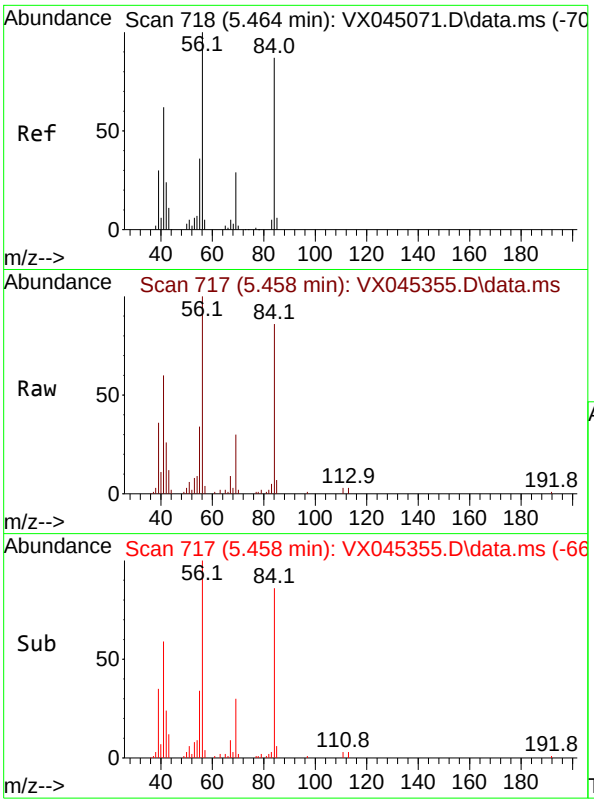


#30
Chloroform
Concen: 18.800 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 83 Resp: 48043

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.2

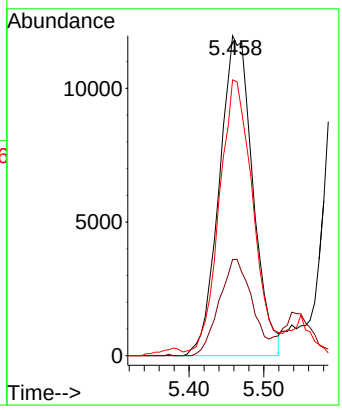




#31
Cyclohexane
Concen: 16.697 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 56 Resp: 3727

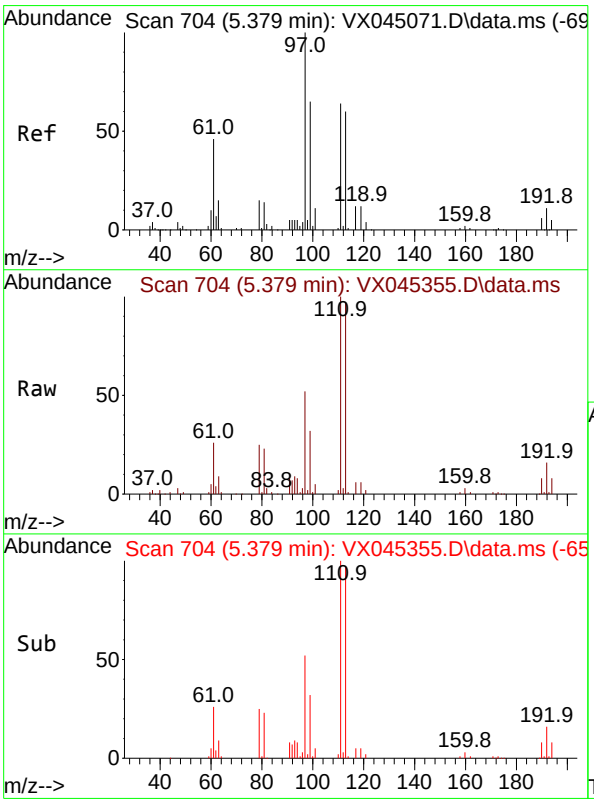
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.4	35.2
84	84.1	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

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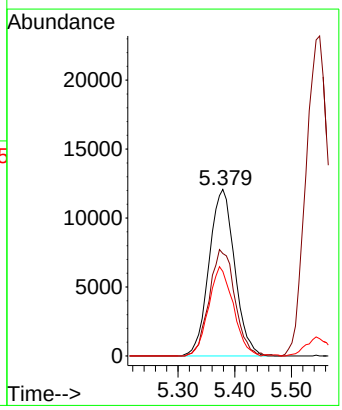
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

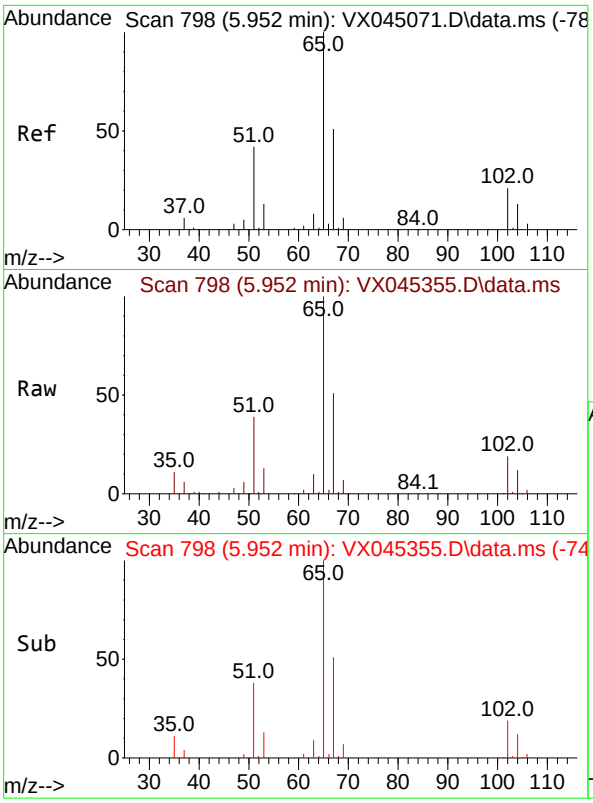


#32
1,1,1-Trichloroethane
Concen: 18.397 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 97 Resp: 37970

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.5	38.4	57.6

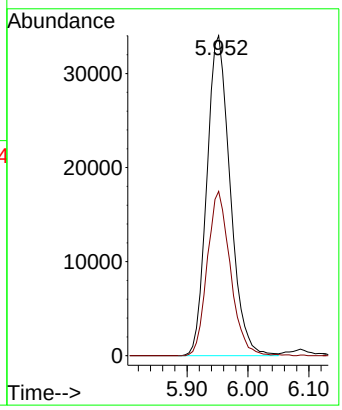




#33
1,2-Dichloroethane-d4
Concen: 55.106 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 65 Resp: 9042

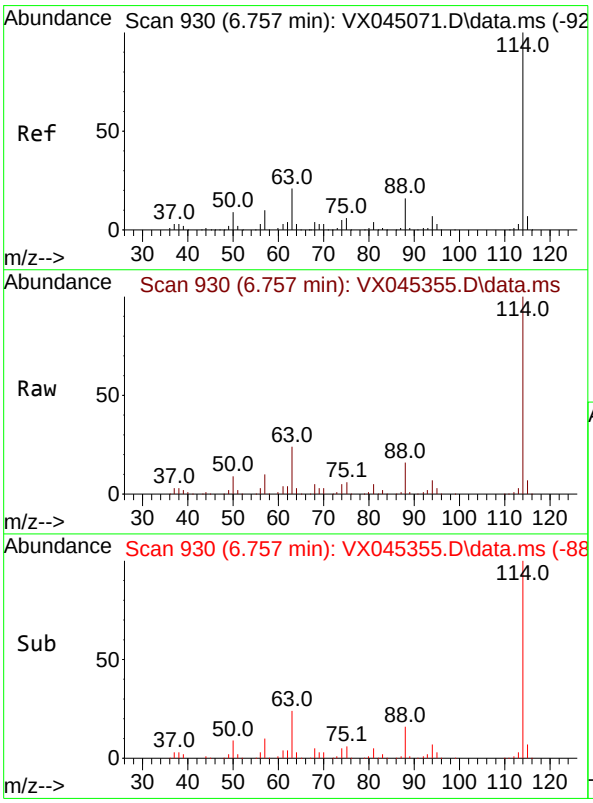
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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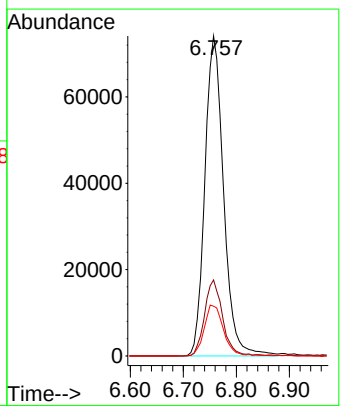
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

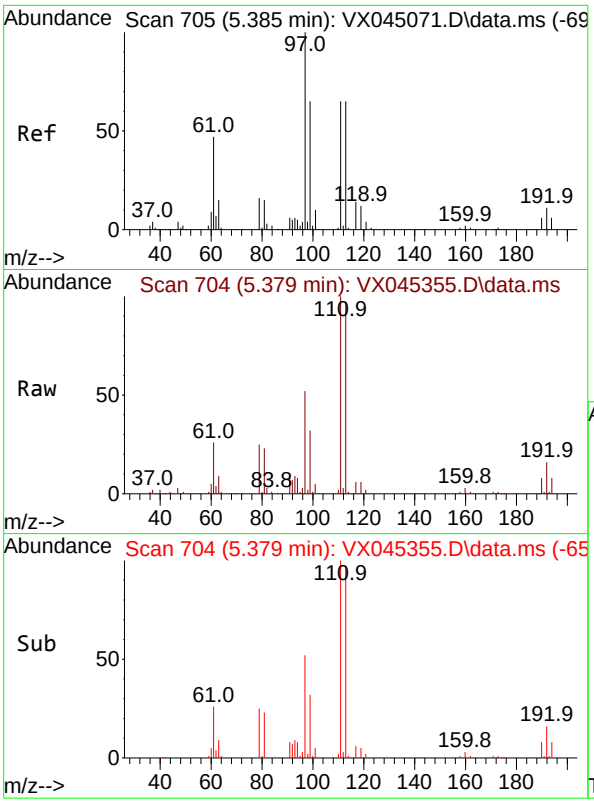


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:114 Resp: 181737

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	15.5	0.0	32.8

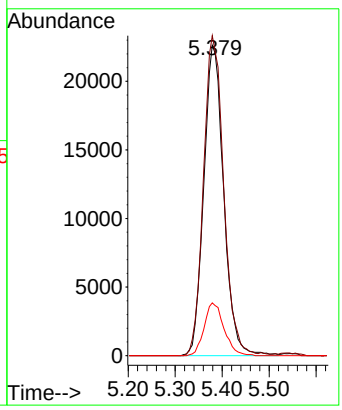




#35
Dibromofluoromethane
Concen: 54.782 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:113 Resp: 6657

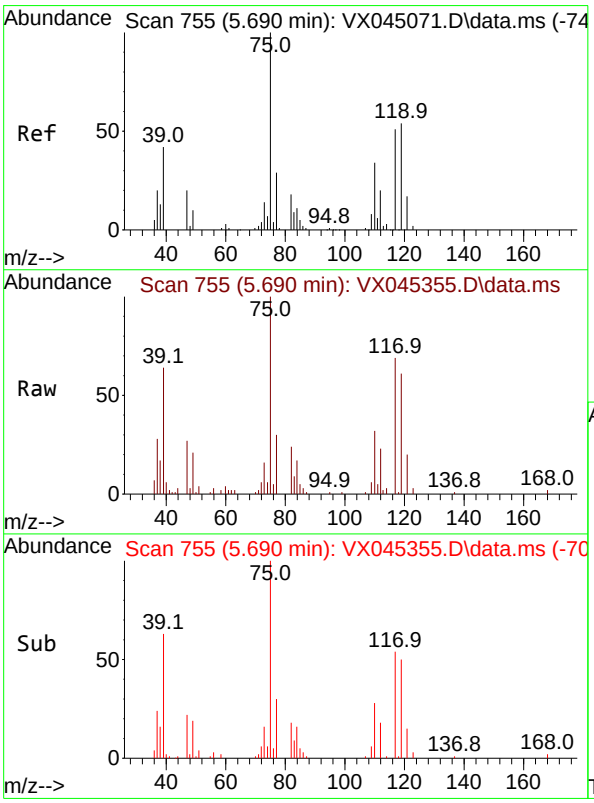
Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.6
192	17.0	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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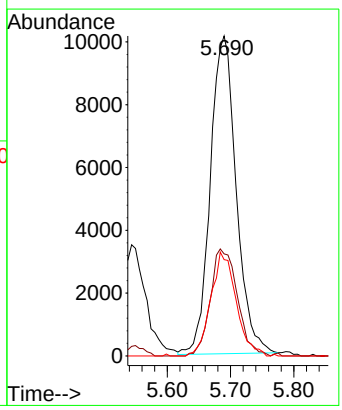
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

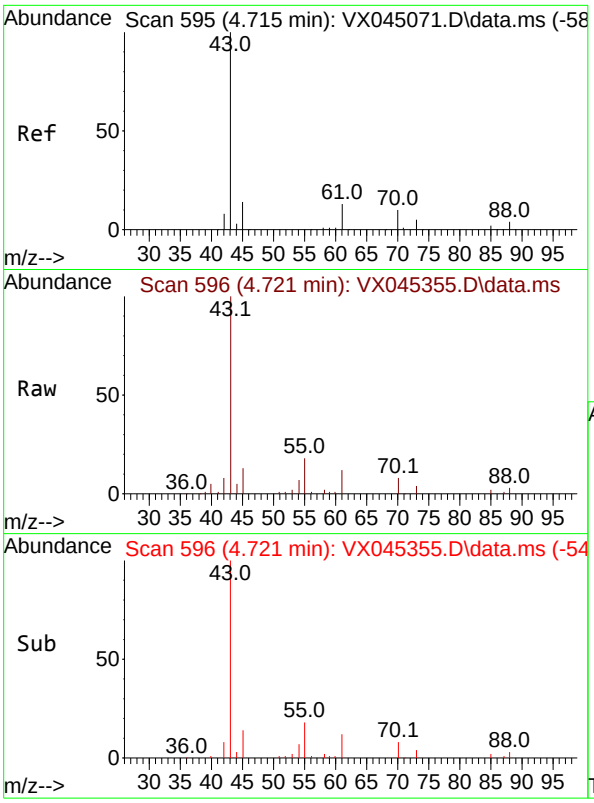


#36
1,1-Dichloropropene
Concen: 17.302 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 28834

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.6
77	31.8	24.5	36.7





#37
Ethyl Acetate
Concen: 17.842 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

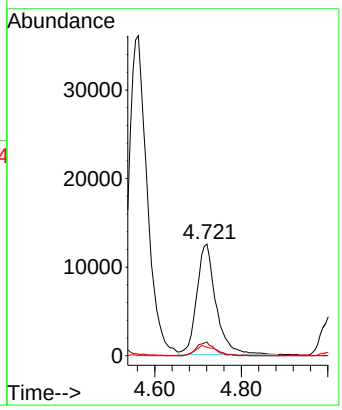
Tgt Ion: 43 Resp: 3831

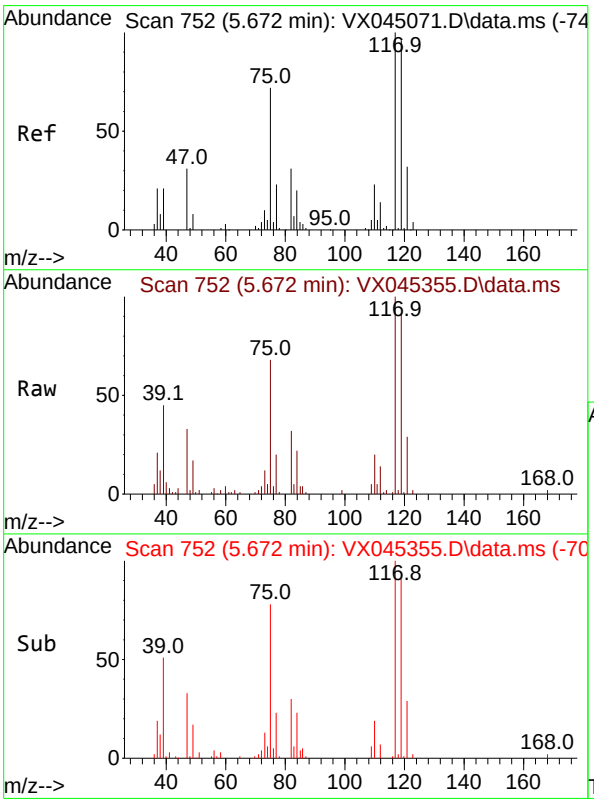
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.8	16.2
70	9.2	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

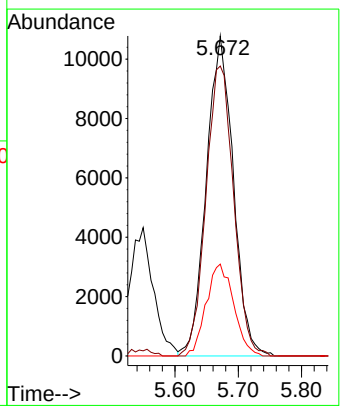


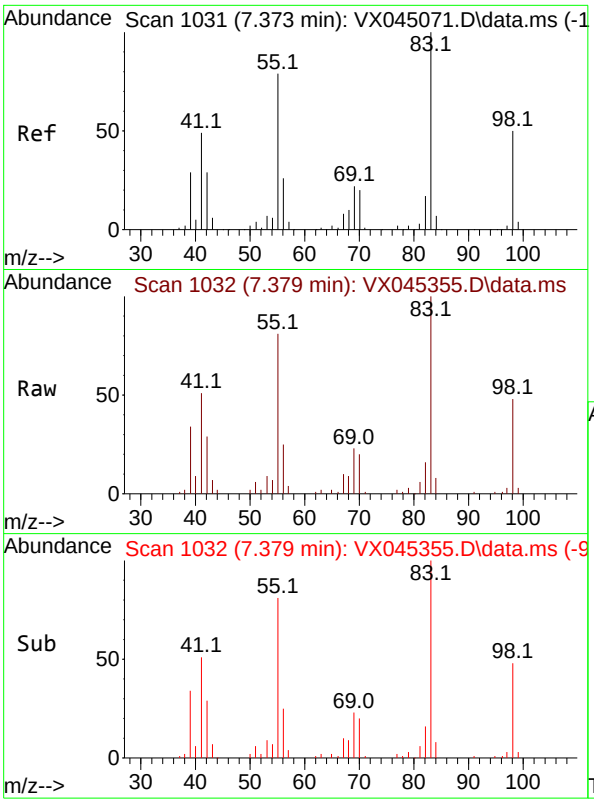


#38
Carbon Tetrachloride
Concen: 18.865 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:117 Resp: 31919

Ion	Ratio	Lower	Upper
117	100		
119	90.6	76.7	115.1
121	28.7	25.5	38.3

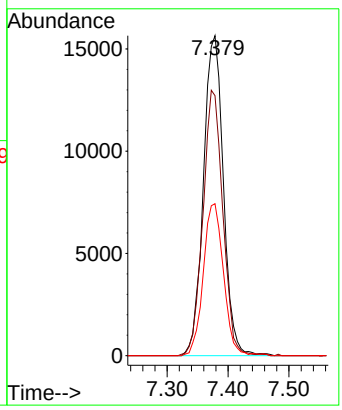




#39
Methylcyclohexane
Concen: 17.861 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 83 Resp: 3566

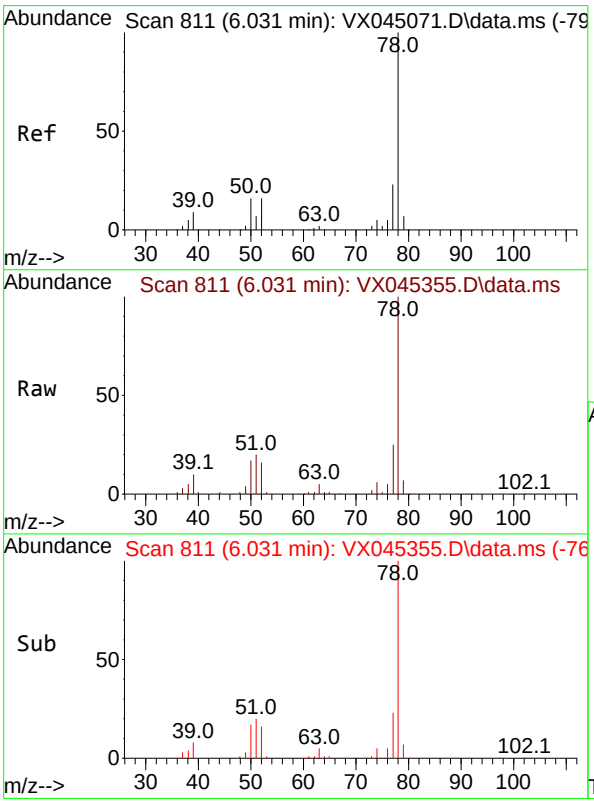
Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.0	94.4
98	47.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

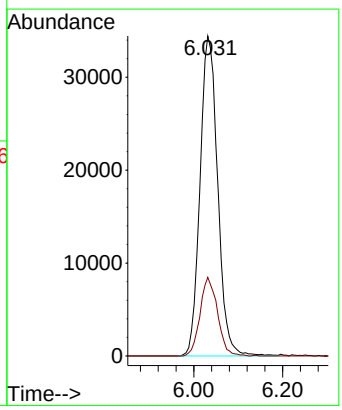
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

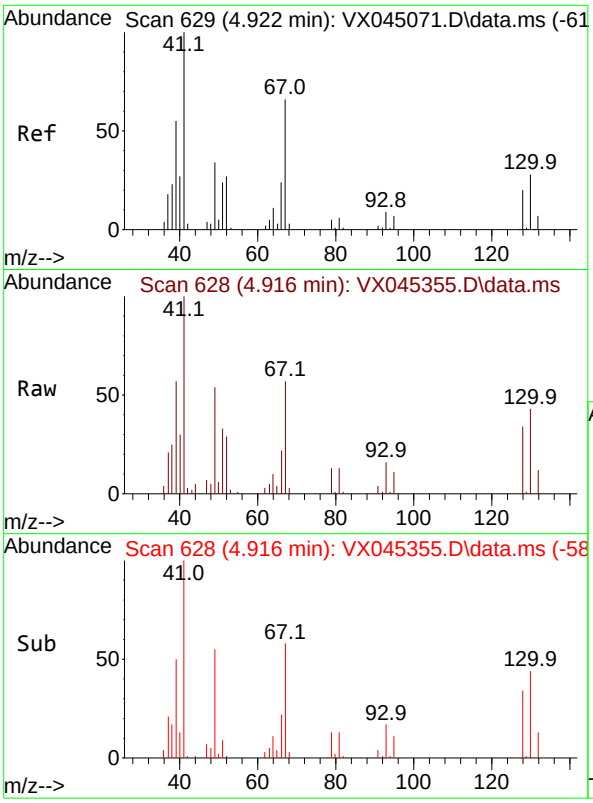


#40
Benzene
Concen: 18.128 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 78 Resp: 95403

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2

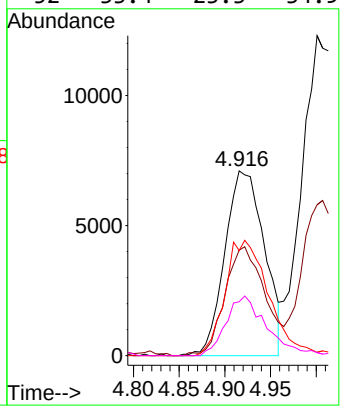




#41
Methacrylonitrile
Concen: 18.447 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 41 Resp: 2142

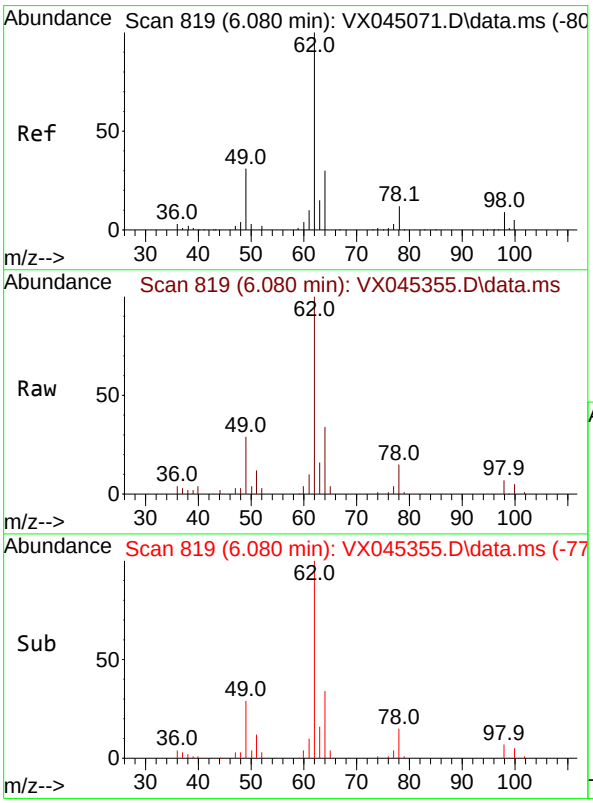
Ion	Ratio	Lower	Upper
41	100		
39	59.9	44.6	67.0
67	69.7	53.9	80.9
52	33.4	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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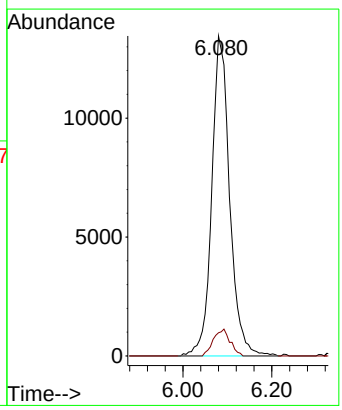
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

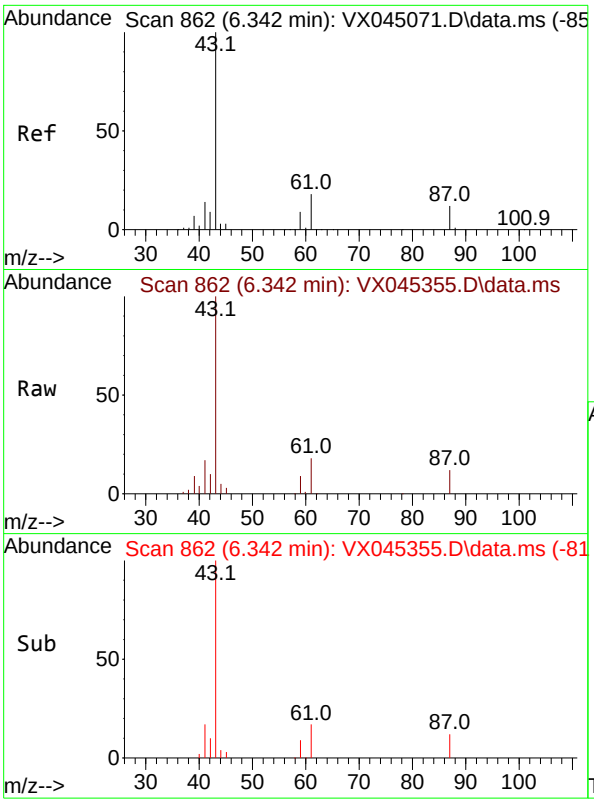


#42
1,2-Dichloroethane
Concen: 19.839 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 62 Resp: 37596

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 18.358 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

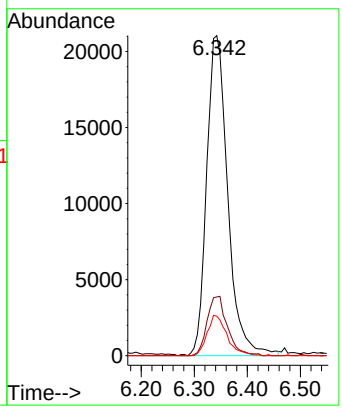
Tgt Ion: 43 Resp: 5829

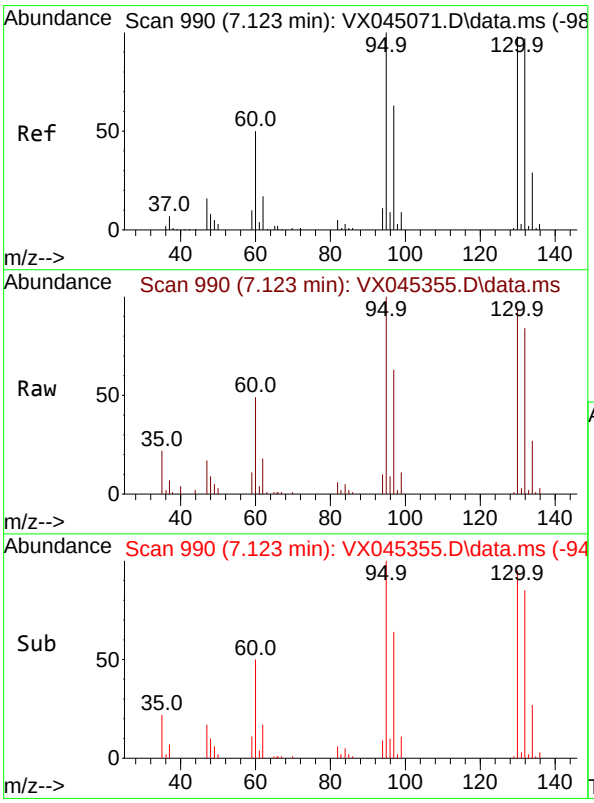
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

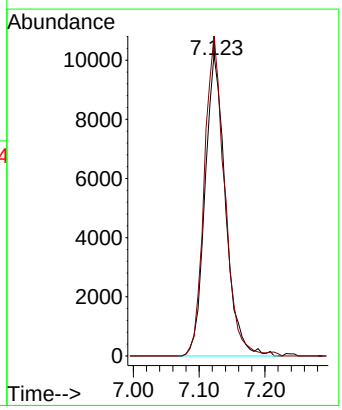


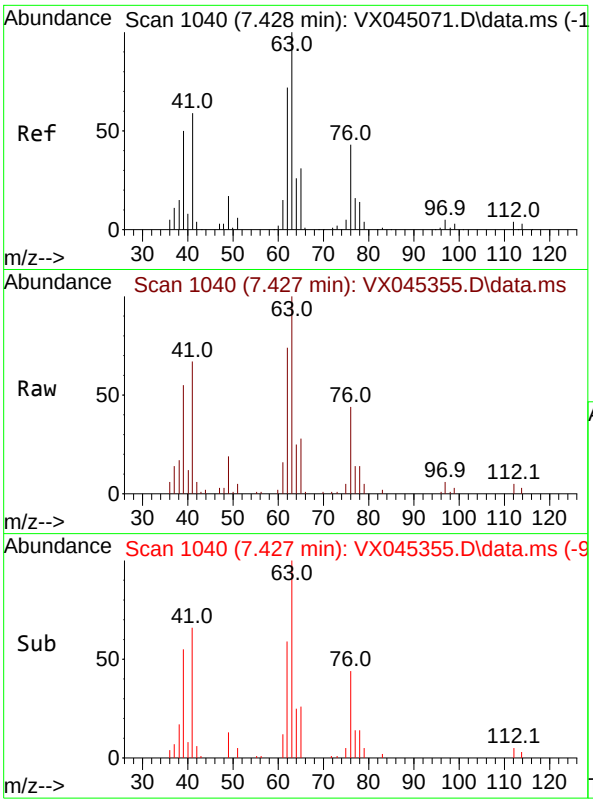


#44
Trichloroethene
Concen: 17.867 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:130 Resp: 22079

Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	205.0

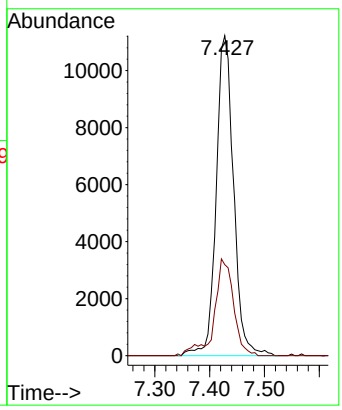




#45
1,2-Dichloropropane
Concen: 18.309 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 63 Resp: 2477

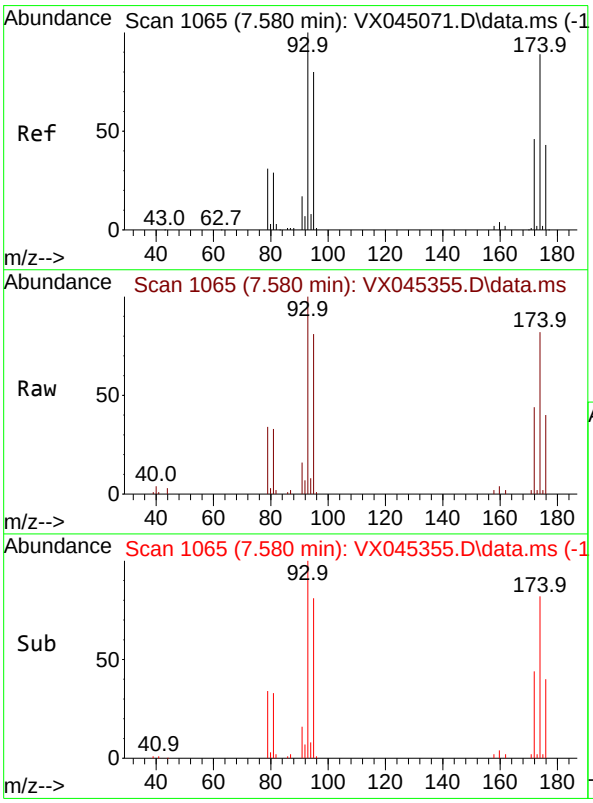
Ion	Ratio	Lower	Upper
63	100		
65	28.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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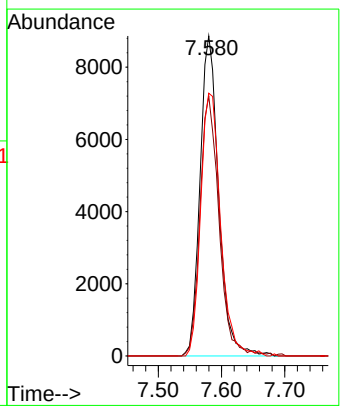
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

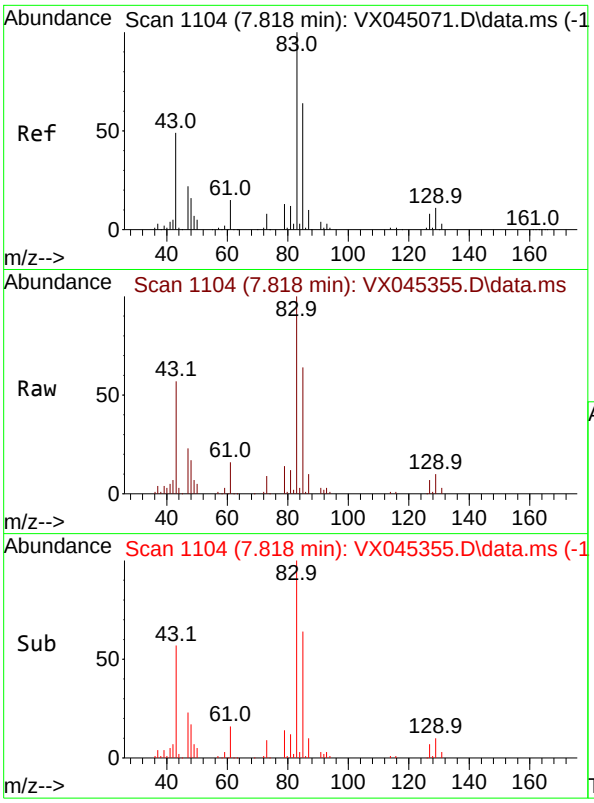


#46
Dibromomethane
Concen: 19.049 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 93 Resp: 18218

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.8
174	87.4	72.2	108.2

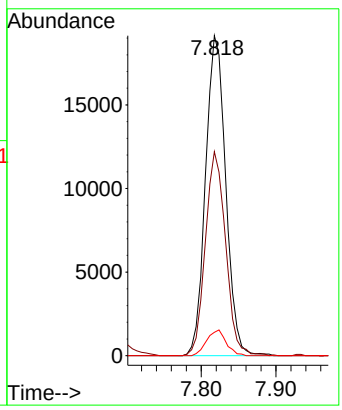




#47
Bromodichloromethane
Concen: 19.182 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 83 Resp: 3598

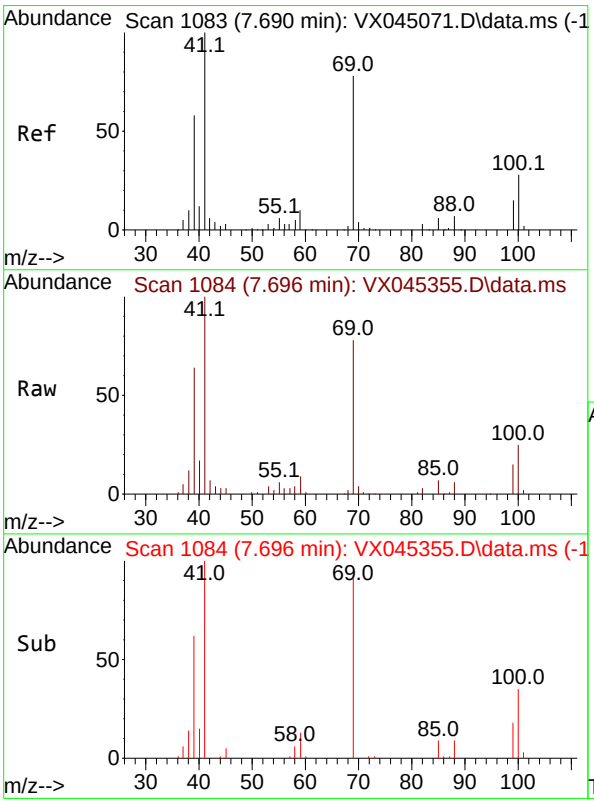
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	7.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

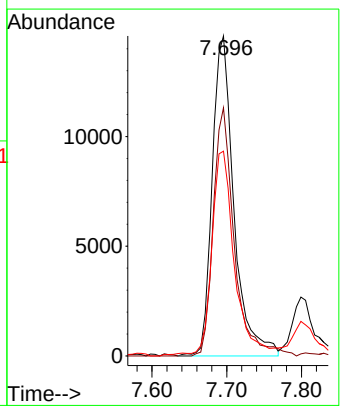
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

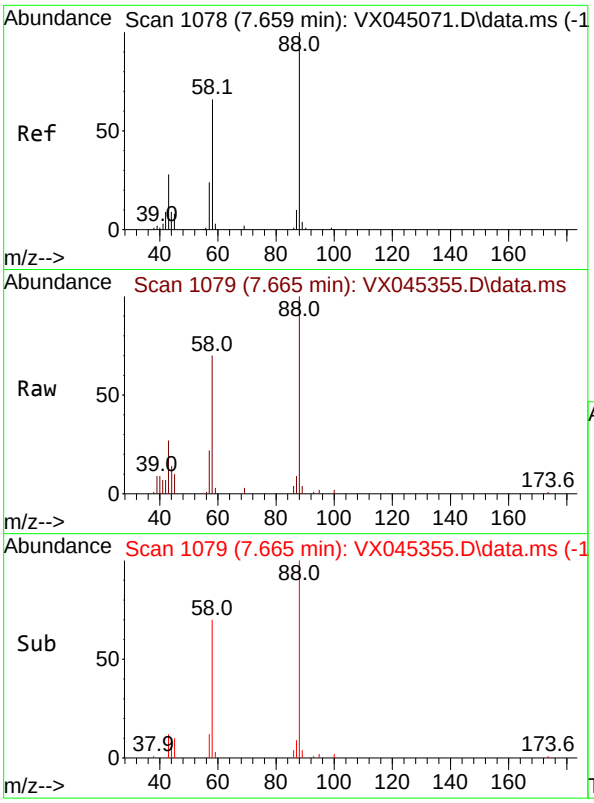


#48
Methyl methacrylate
Concen: 18.474 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 41 Resp: 29431

Ion	Ratio	Lower	Upper
41	100		
69	75.0	63.0	94.6
39	66.8	47.5	71.3

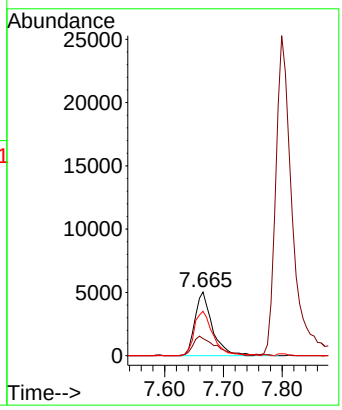




#49
1,4-Dioxane
Concen: 310.577 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 88 Resp: 1043

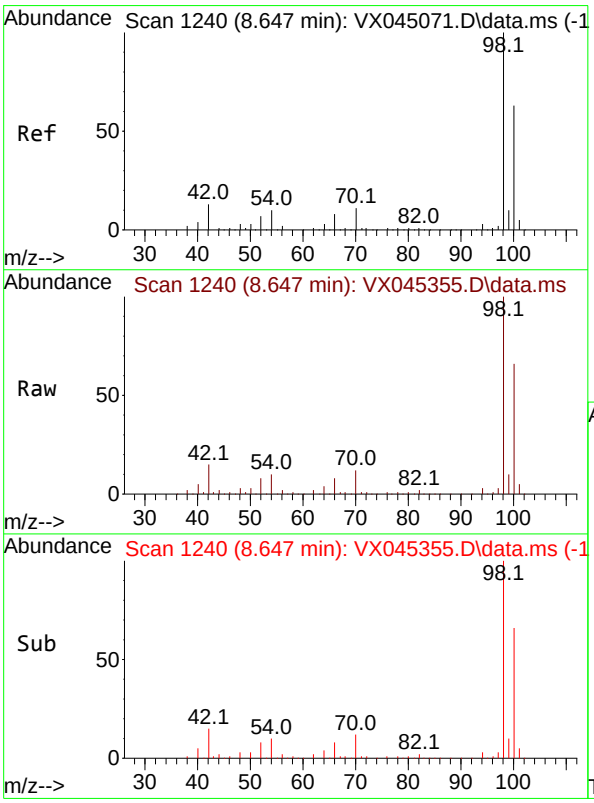
Ion	Ratio	Lower	Upper
88	100		
43	38.9	28.7	43.1
58	74.5	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

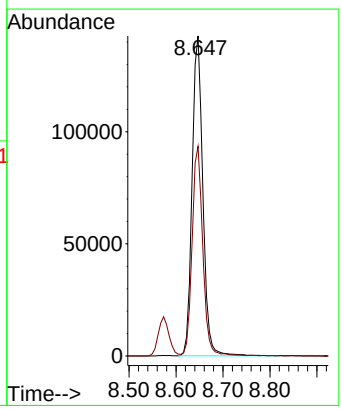
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

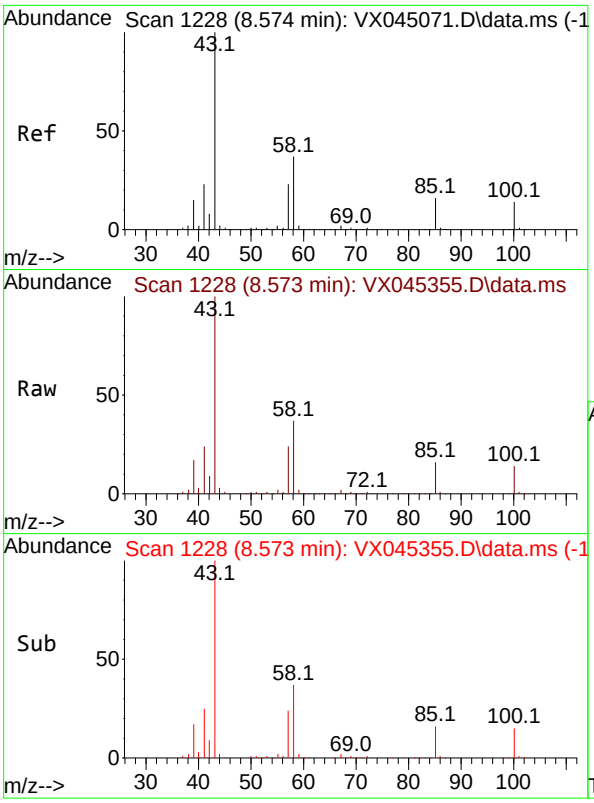


#50
Toluene-d8
Concen: 51.736 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 98 Resp: 227931

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

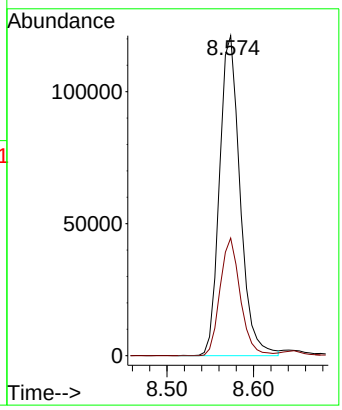




#51
4-Methyl-2-Pentanone
Concen: 93.772 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 19993

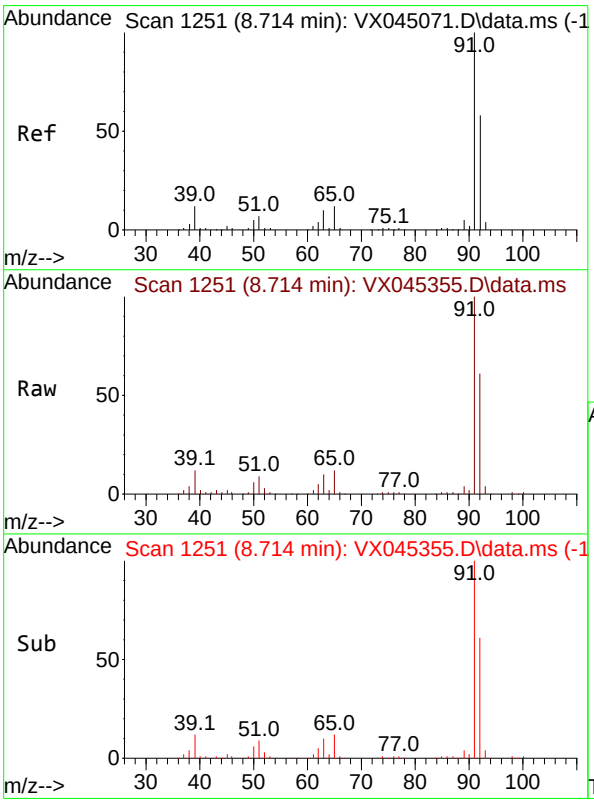
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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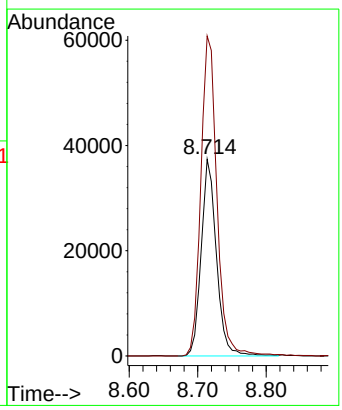
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

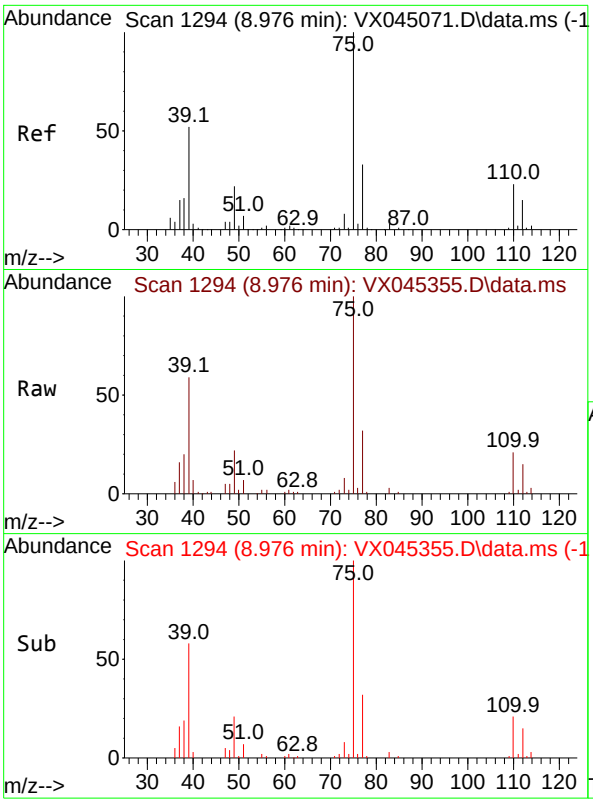


#52
Toluene
Concen: 18.793 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 92 Resp: 58027

Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.9	208.3

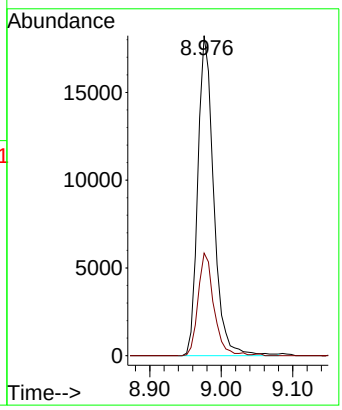




#53
t-1,3-Dichloropropene
Concen: 17.934 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 2812

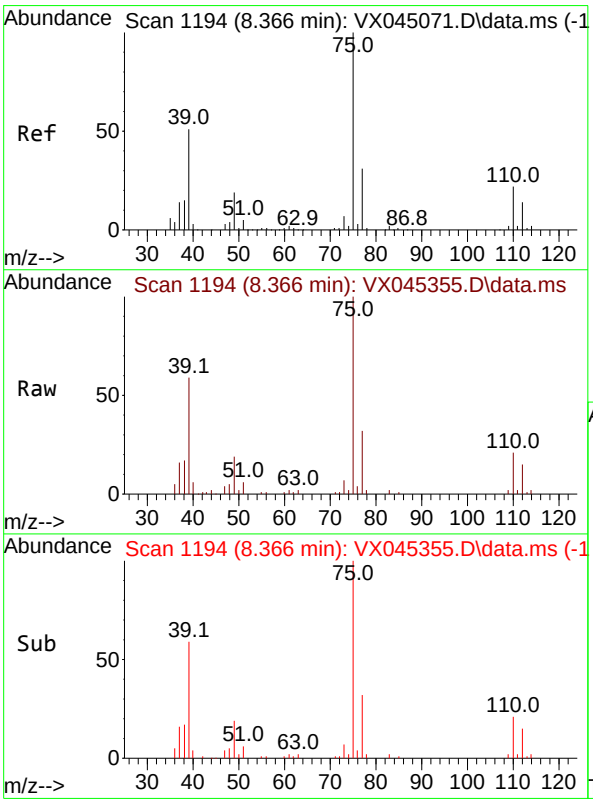
Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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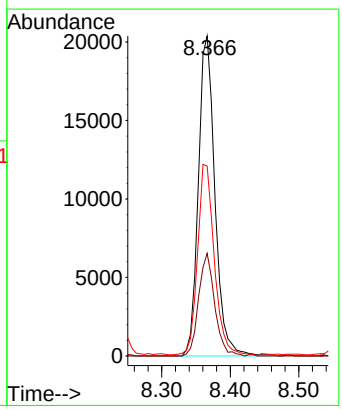
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

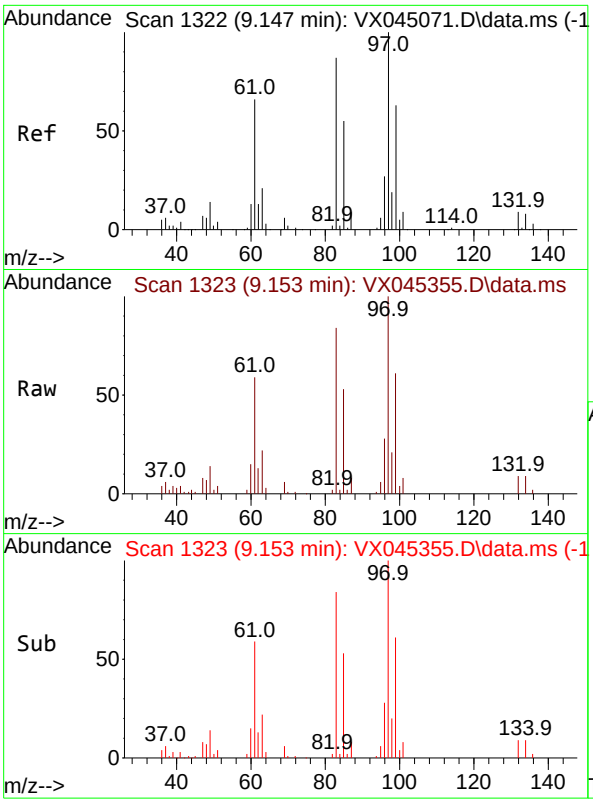


#54
cis-1,3-Dichloropropene
Concen: 18.782 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 34347

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.7	37.1
39	58.8	40.7	61.1

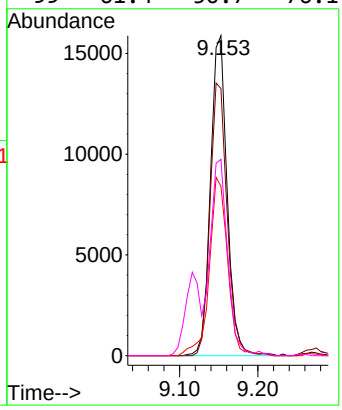




#55
1,1,2-Trichloroethane
Concen: 18.408 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 97 Resp: 2339

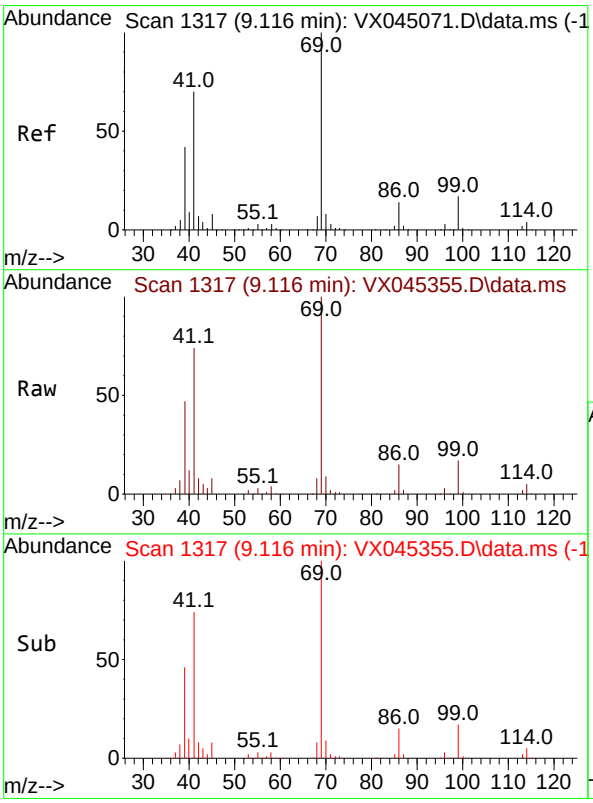
Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.4	104.2
85	53.0	44.1	66.1
99	61.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

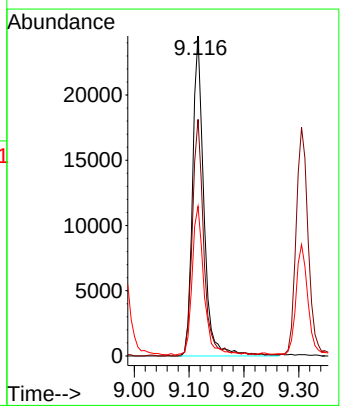
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

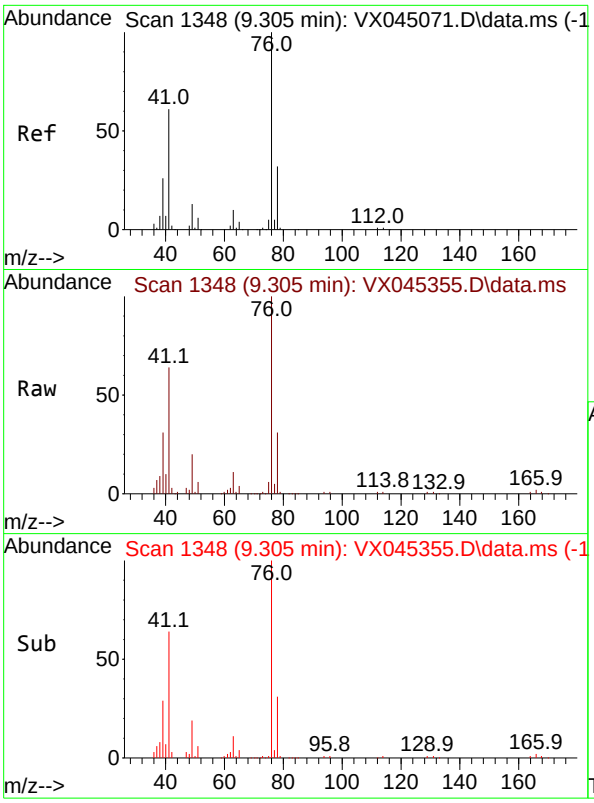


#56
Ethyl methacrylate
Concen: 18.326 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 69 Resp: 35410

Ion	Ratio	Lower	Upper
69	100		
41	74.6	57.0	85.4
39	48.6	34.2	51.4





#57
1,3-Dichloropropane
Concen: 18.940 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

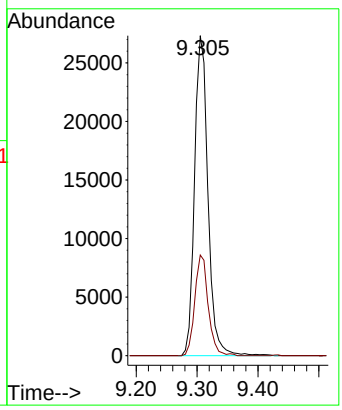
Tgt Ion: 76 Resp: 4166

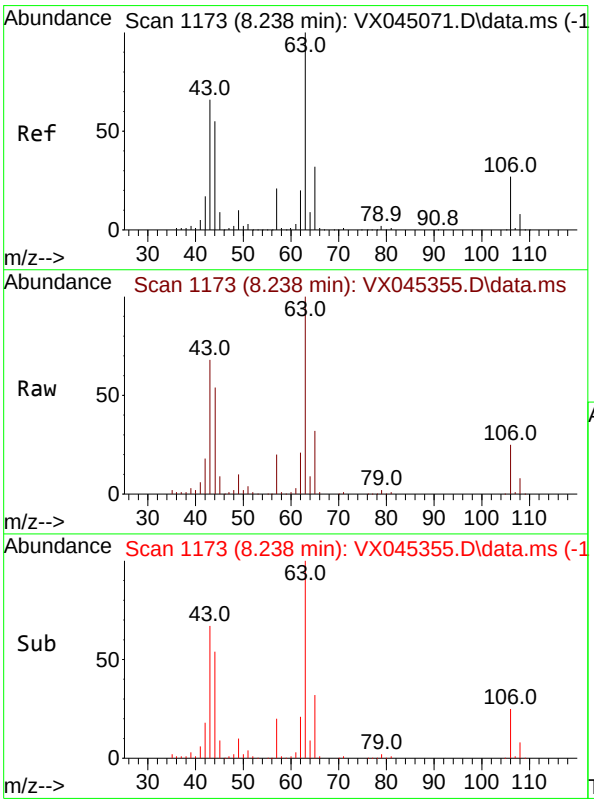
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

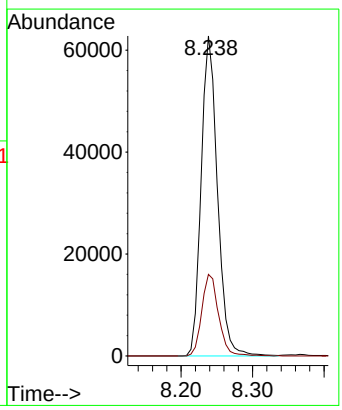


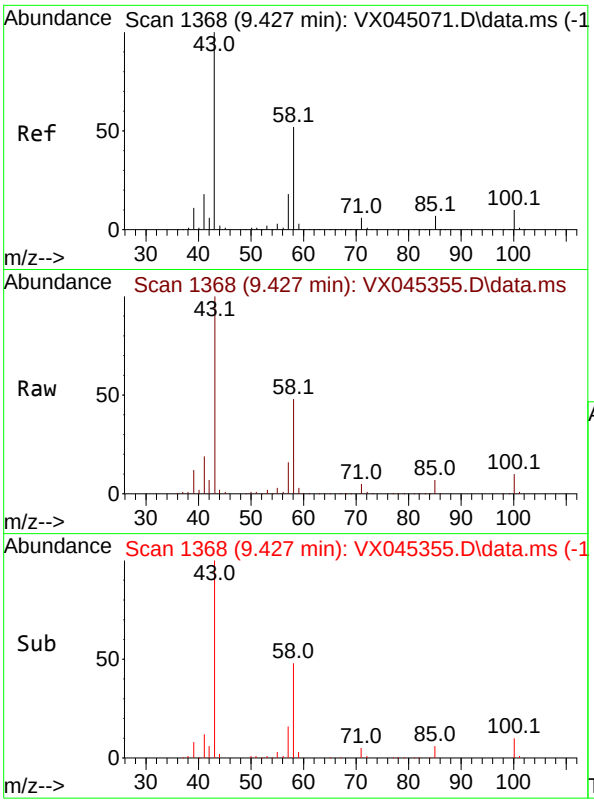


#58
2-Chloroethyl Vinyl ether
Concen: 105.558 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 63 Resp: 99493

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3

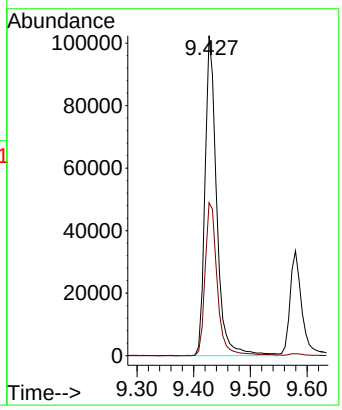




#59
2-Hexanone
Concen: 94.726 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 14633

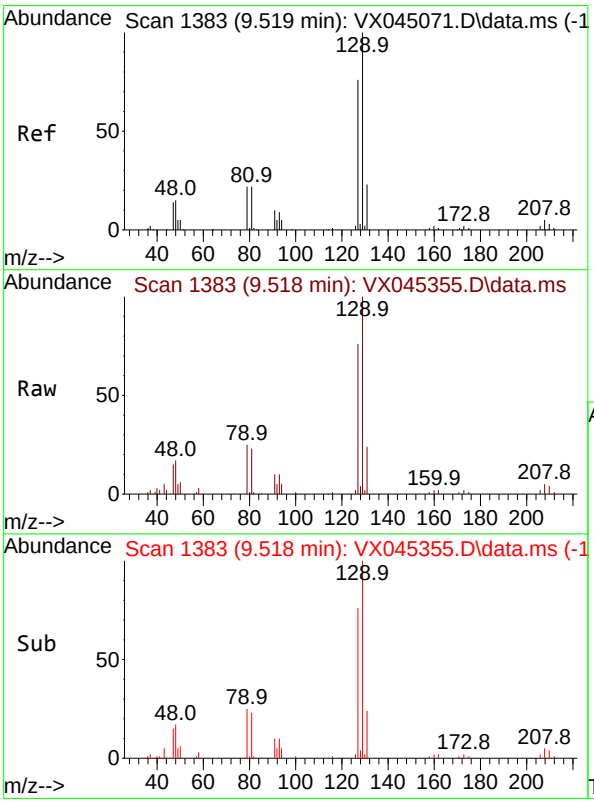
Ion	Ratio	Lower	Upper
43	100		
58	50.0	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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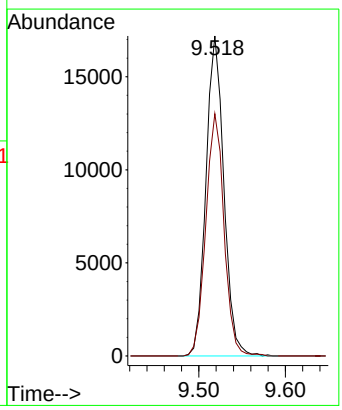
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

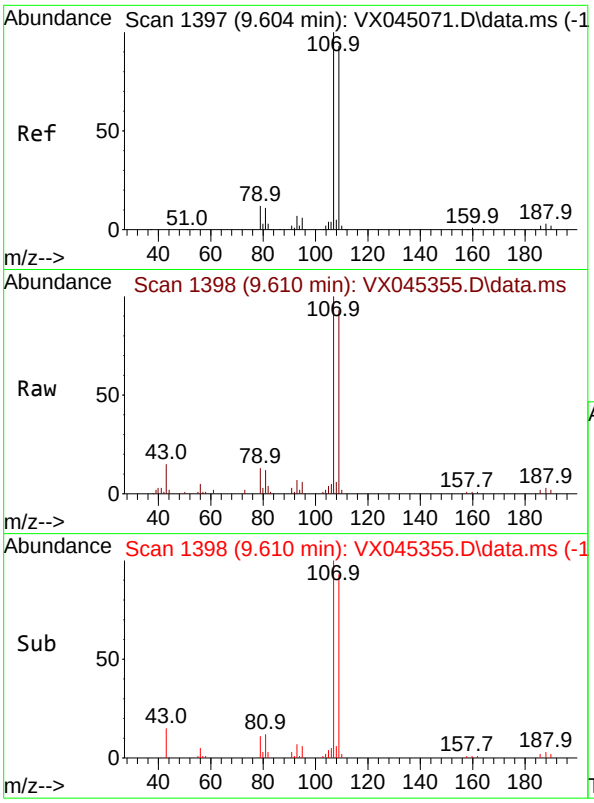


#60
Dibromochloromethane
Concen: 18.591 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:129 Resp: 24709

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

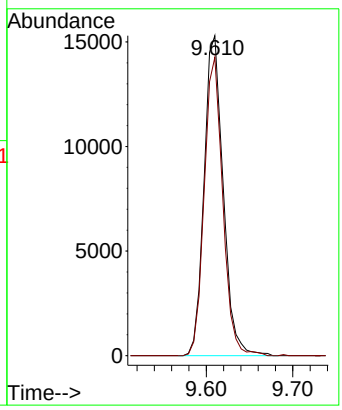




#61
1,2-Dibromoethane
Concen: 18.473 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:107 Resp: 2344

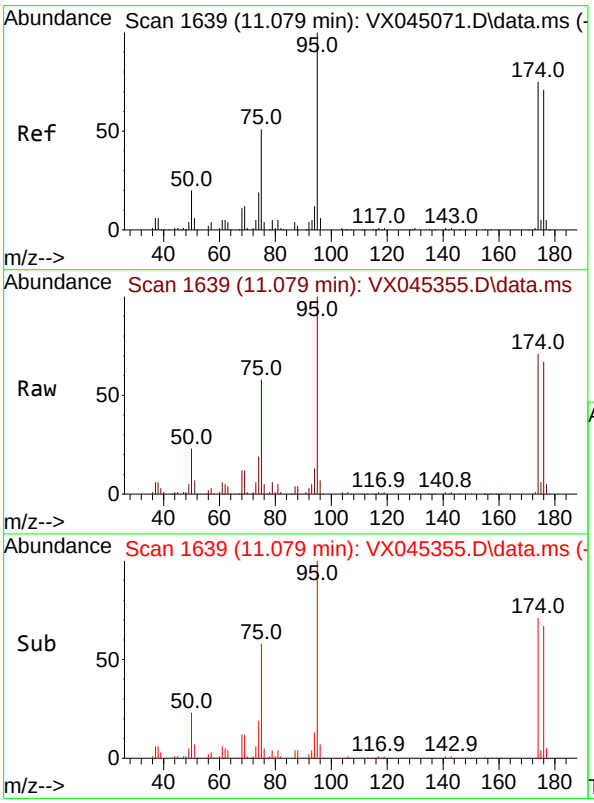
Ion	Ratio	Lower	Upper
107	100		
109	90.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

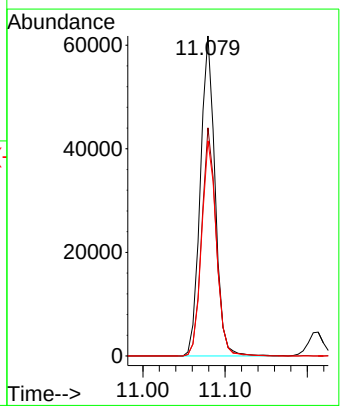
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

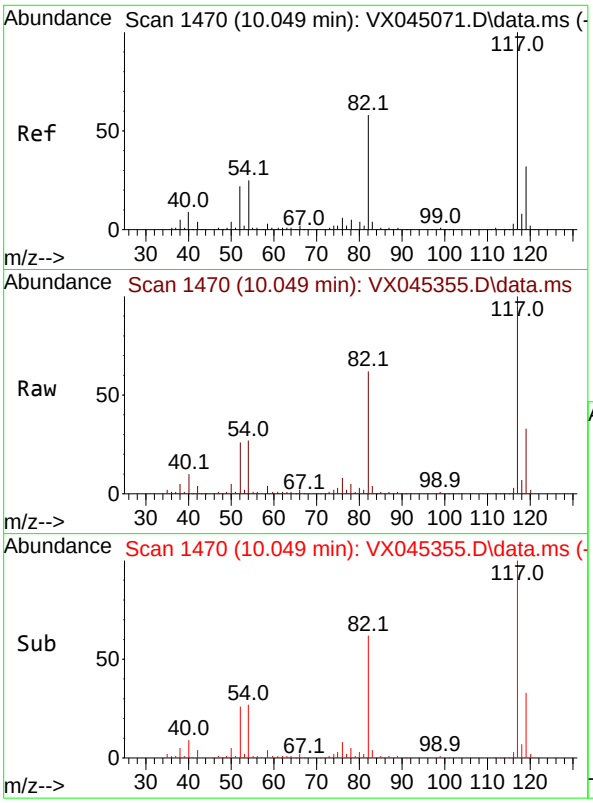


#62
4-Bromofluorobenzene
Concen: 52.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 95 Resp: 76667

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	67.7	0.0	141.4

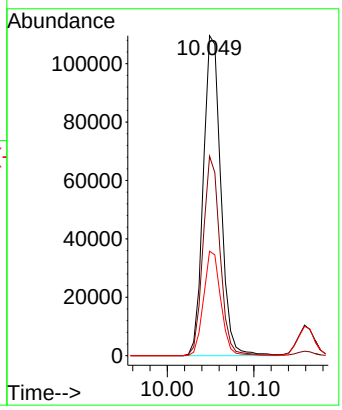




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:117 Resp: 15427

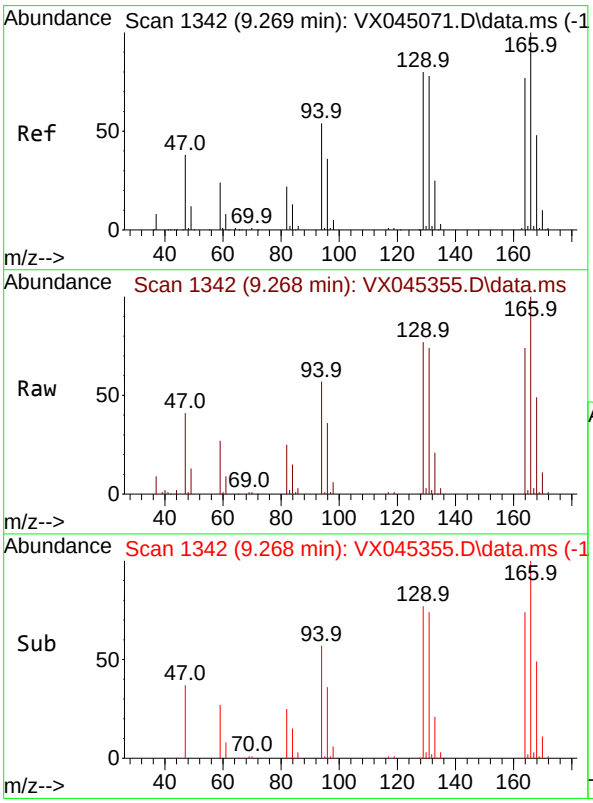
Ion	Ratio	Lower	Upper
117	100		
82	62.4	46.3	69.5
119	32.7	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

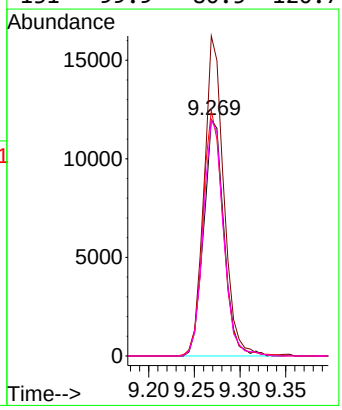
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

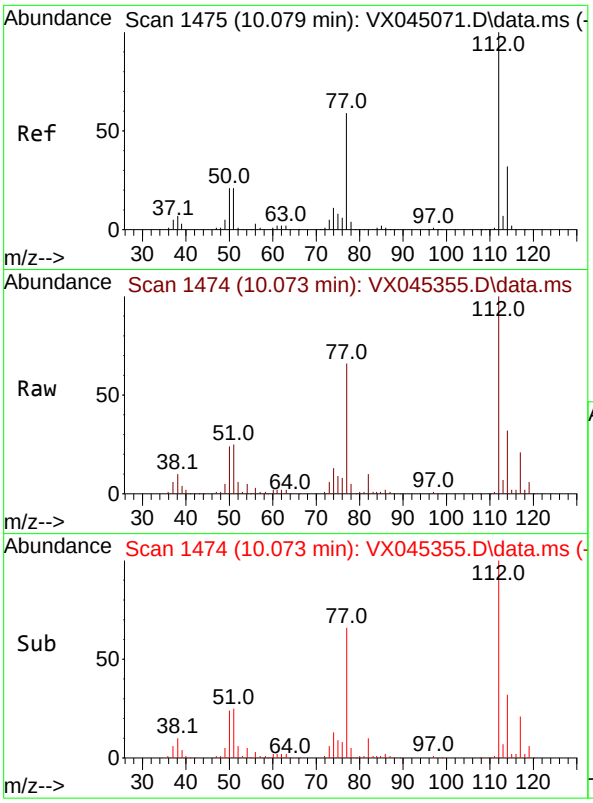


#64
Tetrachloroethene
Concen: 18.748 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:164 Resp: 18524

Ion	Ratio	Lower	Upper
164	100		
166	135.4	103.6	155.4
129	103.9	82.7	124.1
131	99.9	80.5	120.7

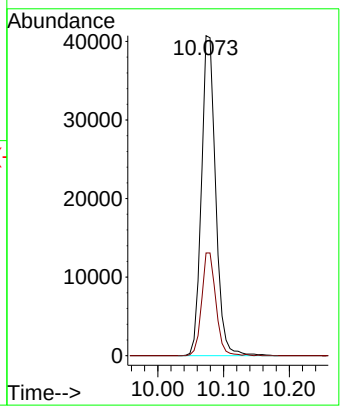




#65
Chlorobenzene
Concen: 18.763 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:112 Resp: 6124

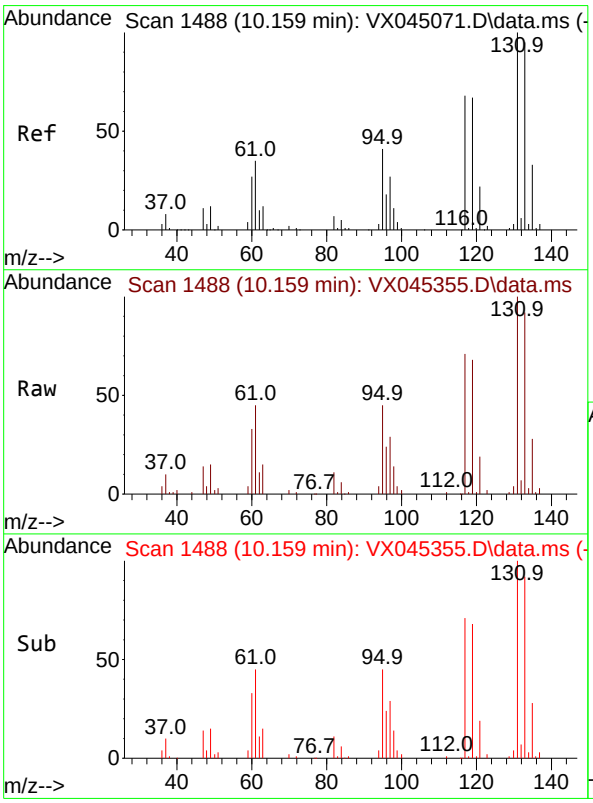
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

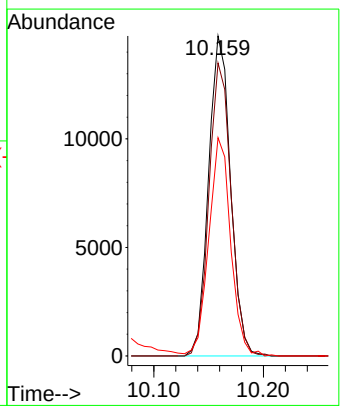
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

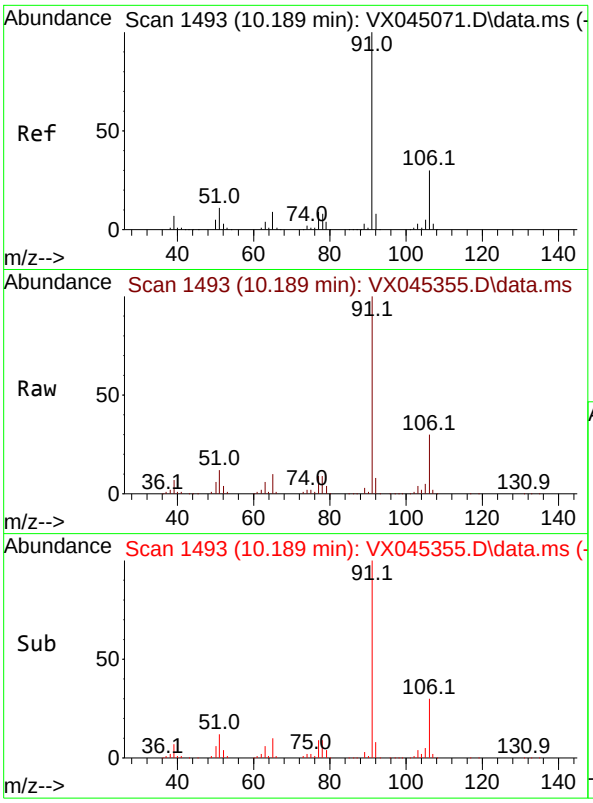


#66
1,1,1,2-Tetrachloroethane
Concen: 18.893 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:131 Resp: 20539

Ion	Ratio	Lower	Upper
131	100		
133	92.1	48.6	145.9
119	67.9	33.9	101.7





#67
Ethyl Benzene
Concen: 19.129 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

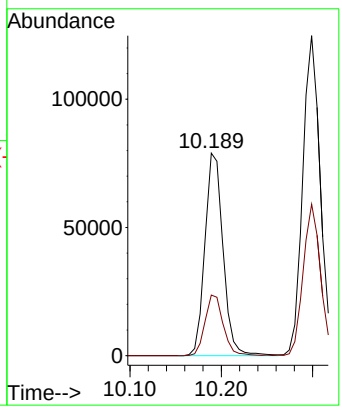
Tgt Ion: 91 Resp: 10880

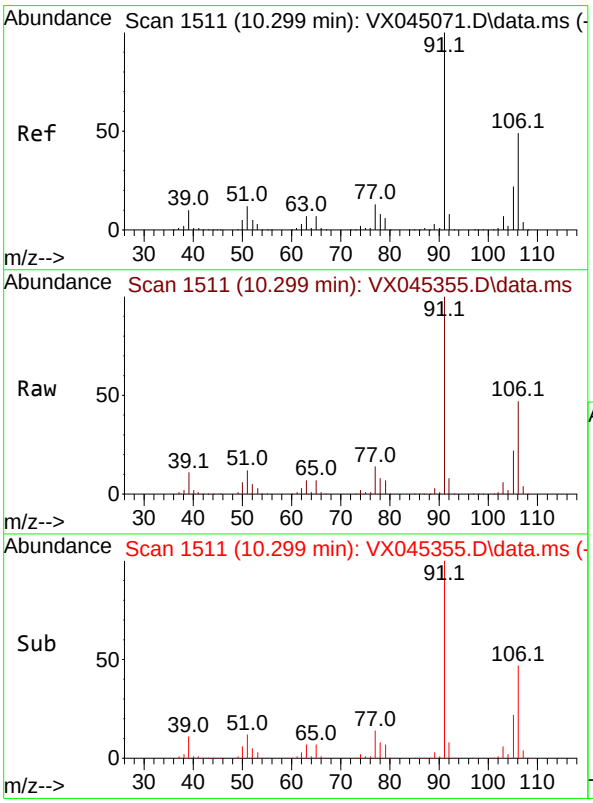
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

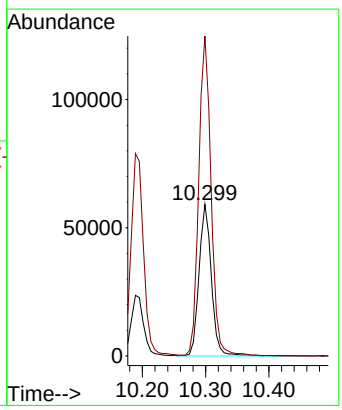


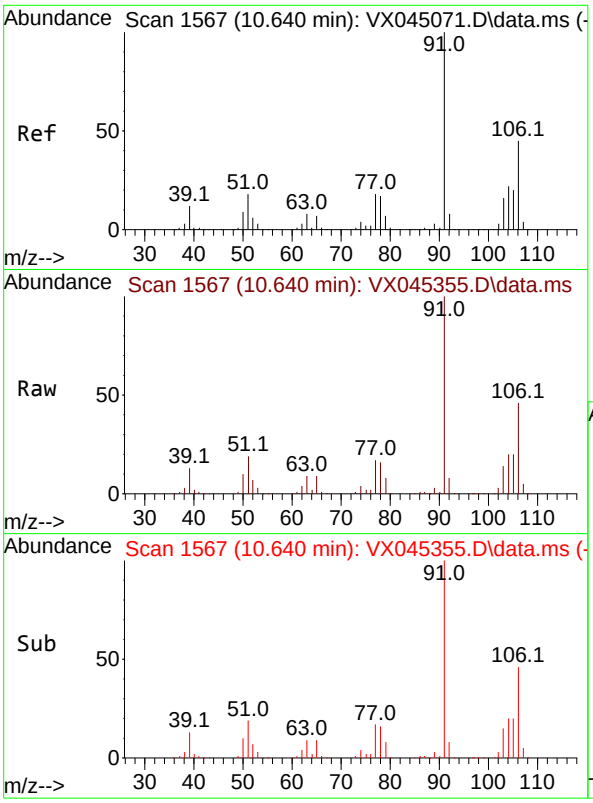


#68
m/p-Xylenes
Concen: 38.487 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:106 Resp: 80137

Ion	Ratio	Lower	Upper
106	100		
91	211.0	165.4	248.0

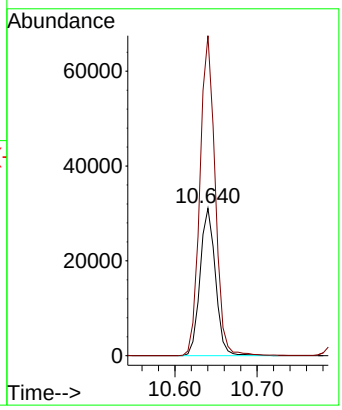




#69
o-Xylene
Concen: 19.274 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:106 Resp: 4047

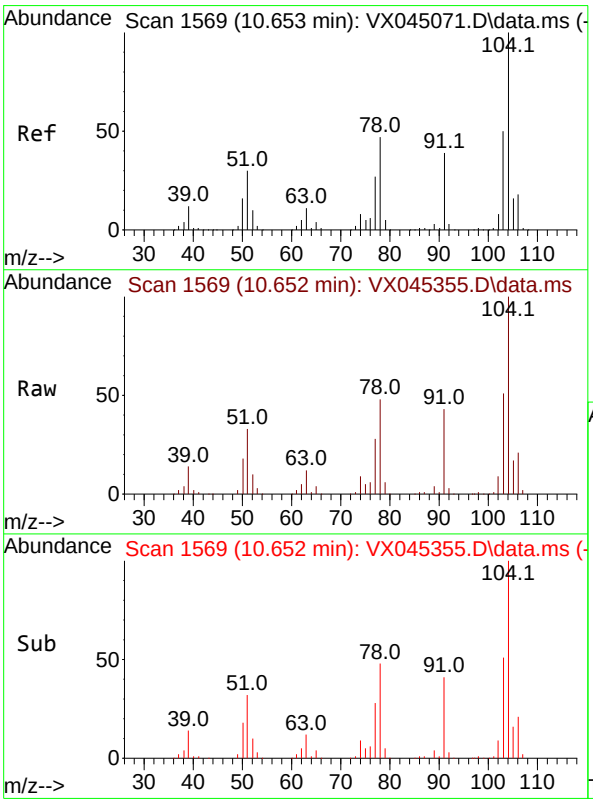
Ion	Ratio	Lower	Upper
106	100		
91	215.0	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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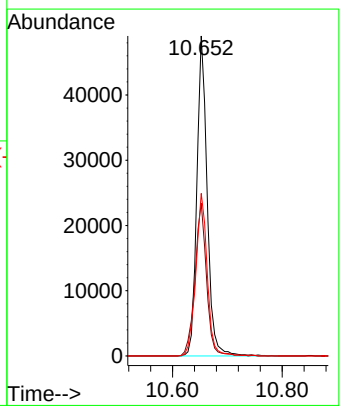
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

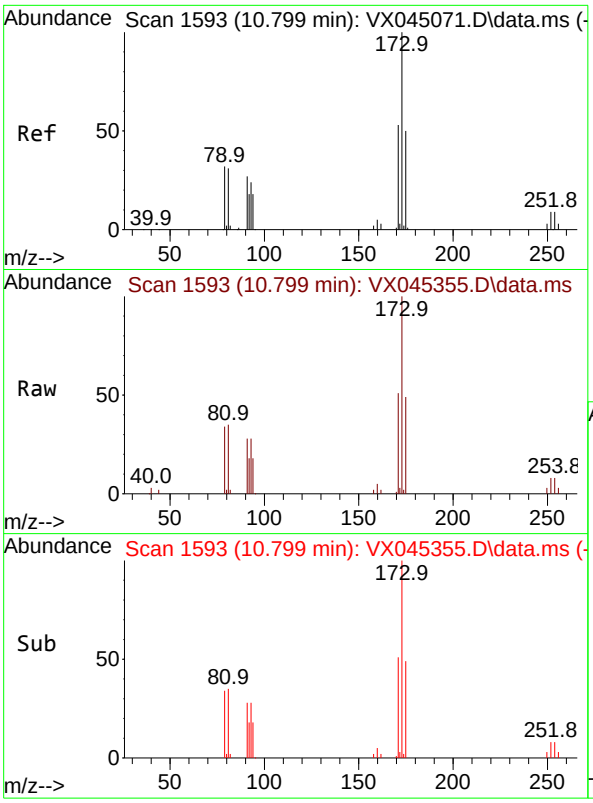


#70
Styrene
Concen: 18.998 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:104 Resp: 64556

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	56.2	43.8	65.8





#71
Bromoform
Concen: 18.235 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

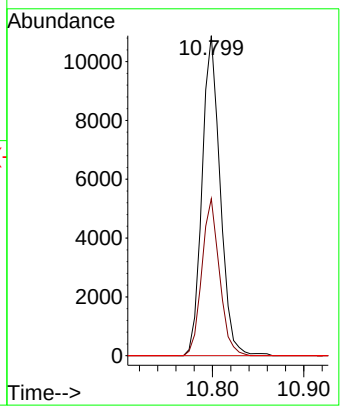
Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

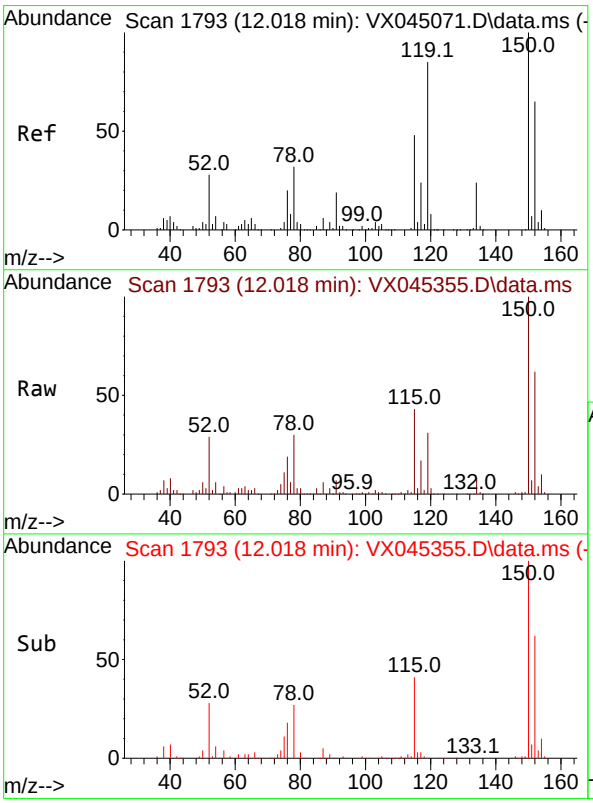
Tgt Ion:173 Resp: 1494

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.6
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

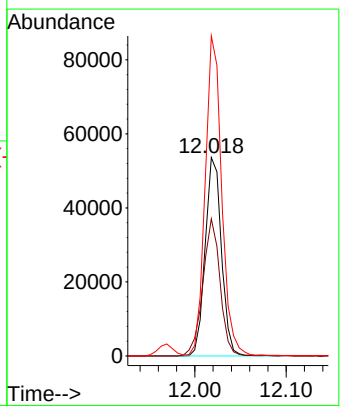


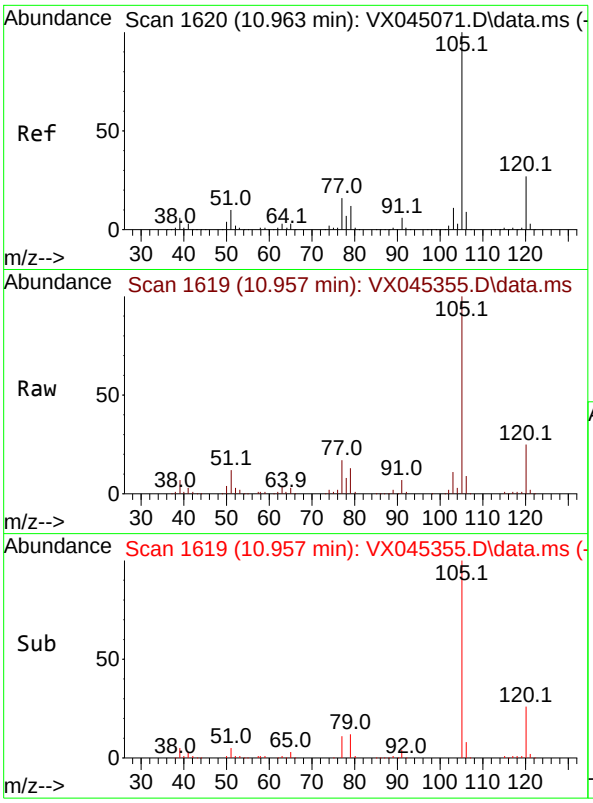


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:152 Resp: 66247

Ion	Ratio	Lower	Upper
152	100		
115	72.8	44.2	132.6
150	163.3	0.0	349.0

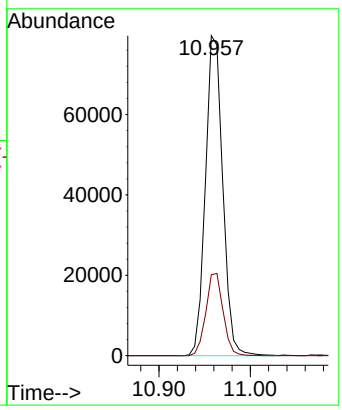




#73
Isopropylbenzene
Concen: 20.247 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:105 Resp: 10469

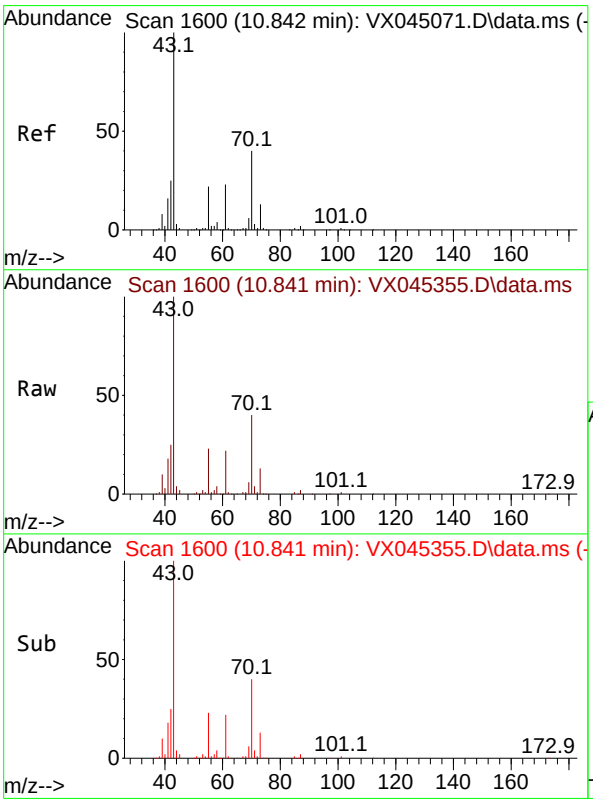
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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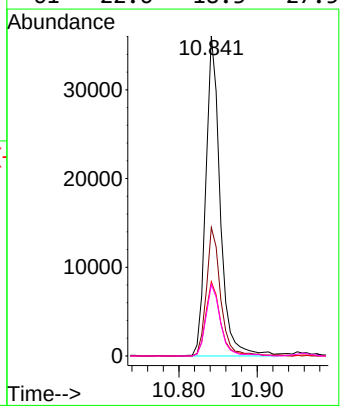
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

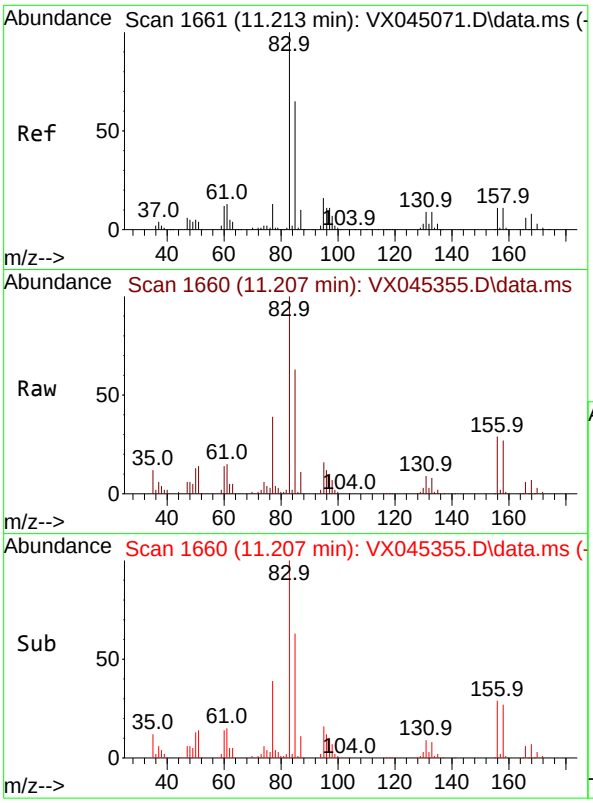


#74
N-amyl acetate
Concen: 18.906 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 45871

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	24.0	18.3	27.5
61	22.6	18.3	27.5

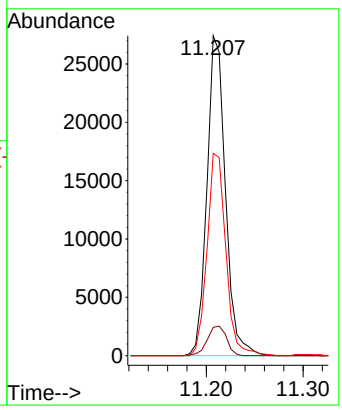




#75
1,1,2,2-Tetrachloroethane
Concen: 19.215 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 83 Resp: 3646

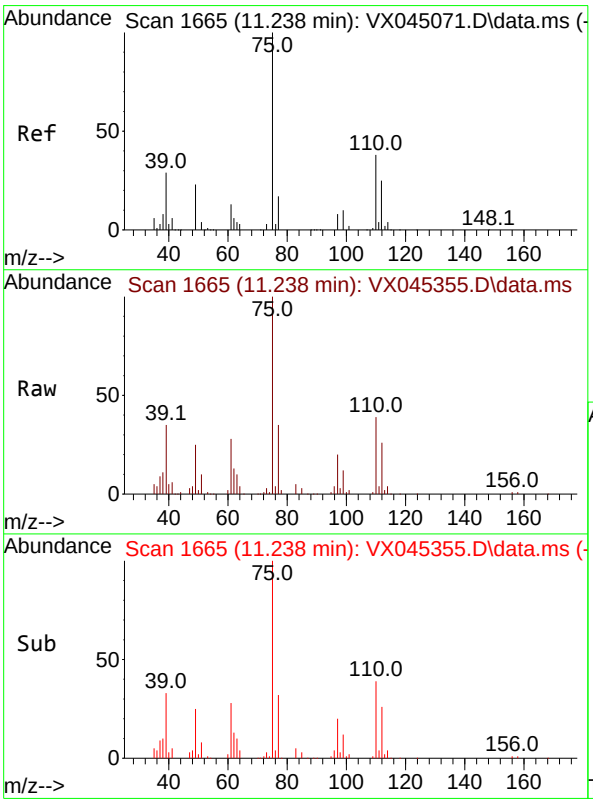
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.5	13.4
85	64.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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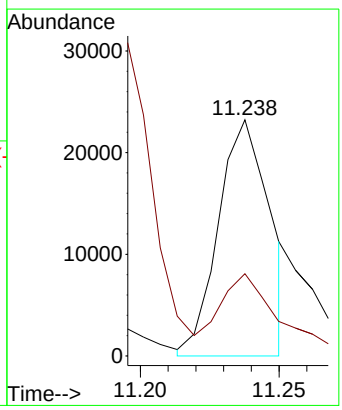
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

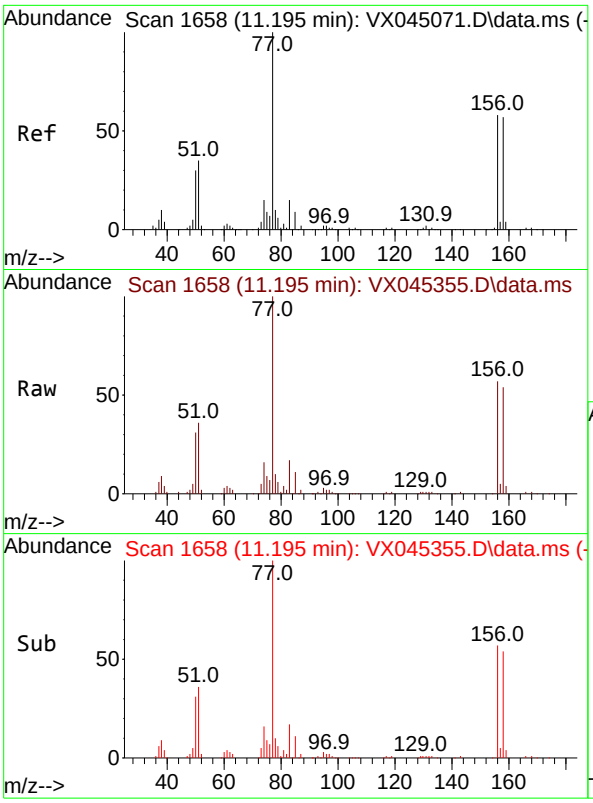


#76
1,2,3-Trichloropropane
Concen: 19.375 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 29874

Ion	Ratio	Lower	Upper
75	100		
77	41.6	20.7	62.1

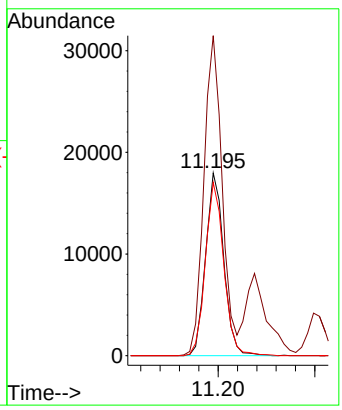




#77
Bromobenzene
Concen: 19.202 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:156 Resp: 2342

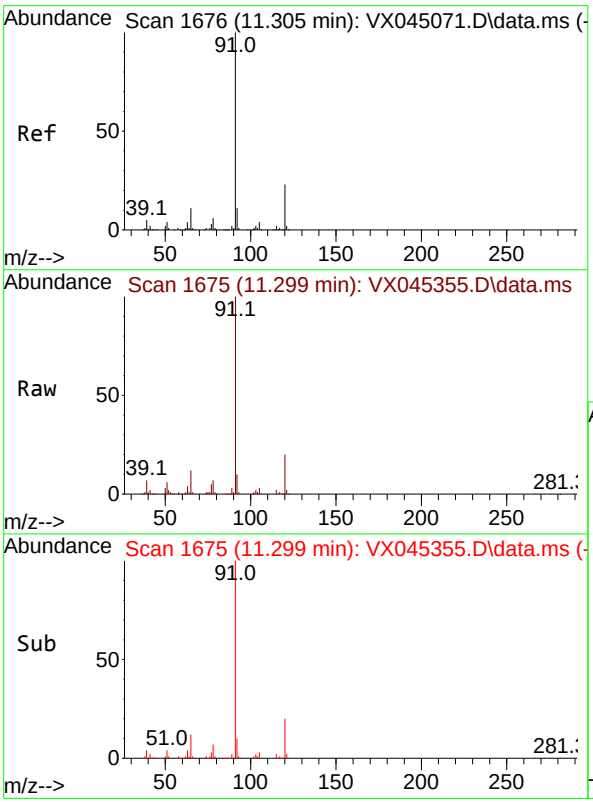
Ion	Ratio	Lower	Upper
156	100		
77	176.4	85.8	257.4
158	96.6	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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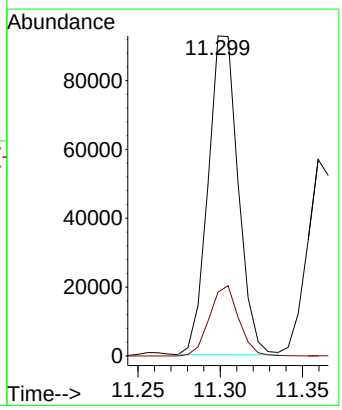
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

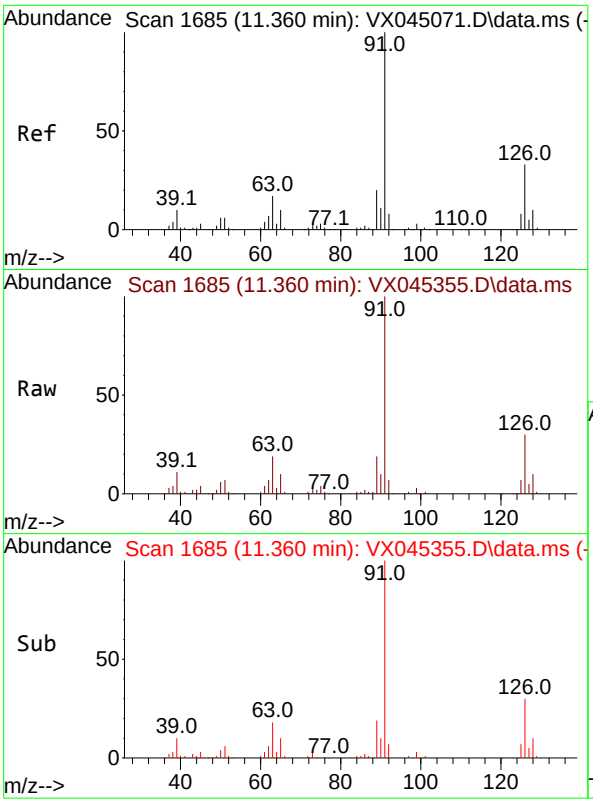


#78
n-propylbenzene
Concen: 20.197 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 91 Resp: 117971

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6

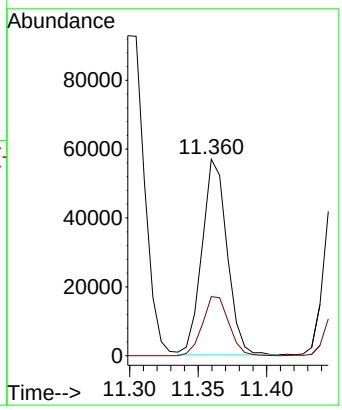




#79
2-Chlorotoluene
Concen: 19.423 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 91 Resp: 7225

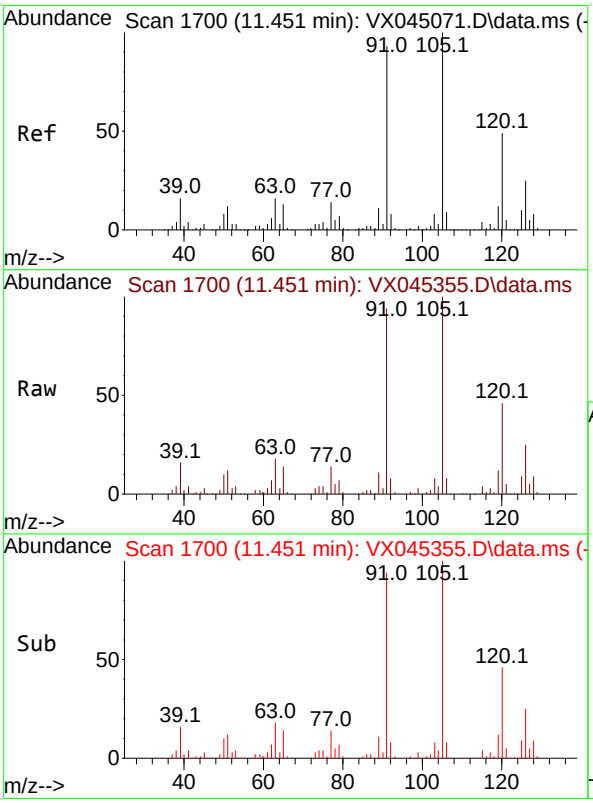
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

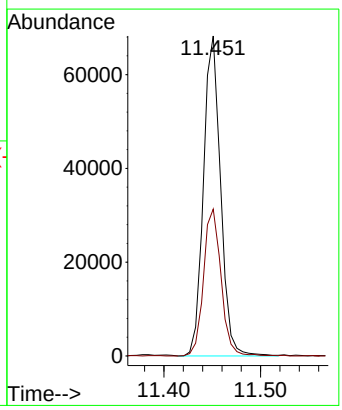
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

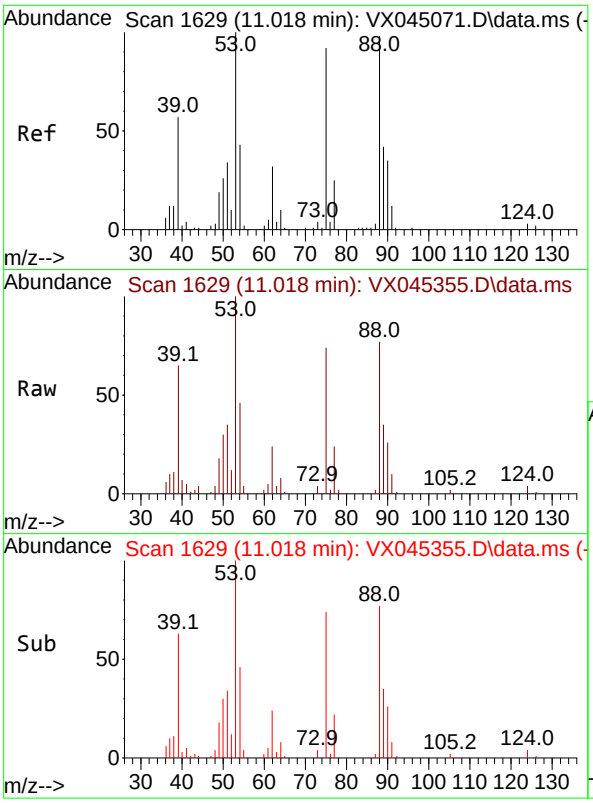


#80
1,3,5-Trimethylbenzene
Concen: 20.177 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:105 Resp: 84359

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.191 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

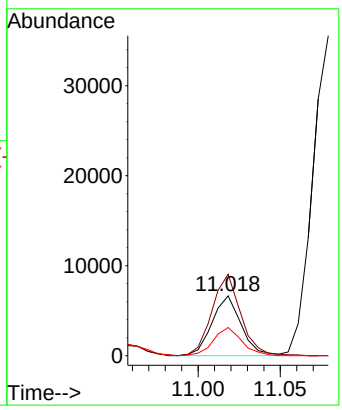
Tgt Ion: 75 Resp: 819

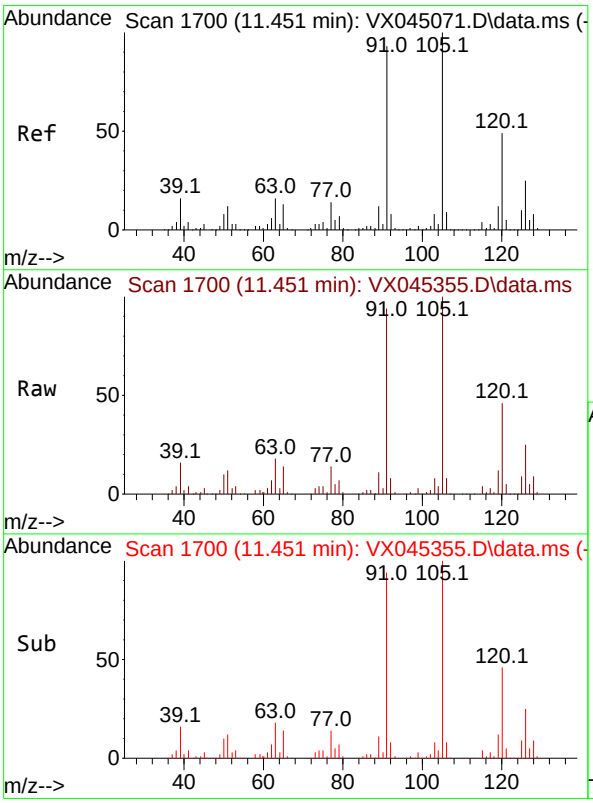
Ion	Ratio	Lower	Upper
75	100		
53	135.0	88.5	132.7#
89	45.7	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

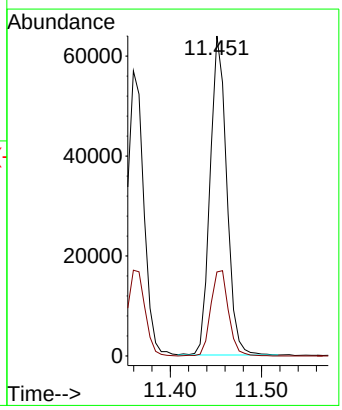


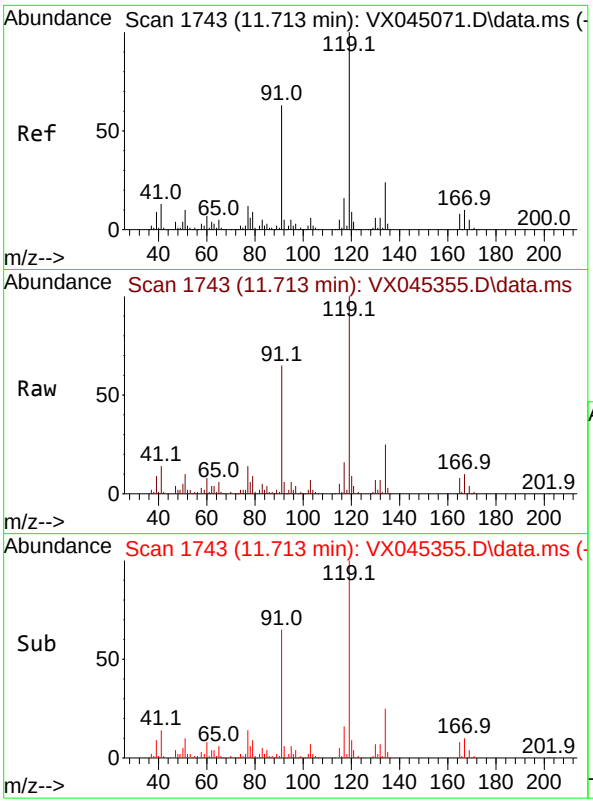


#82
4-Chlorotoluene
Concen: 19.851 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 91 Resp: 80479

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4

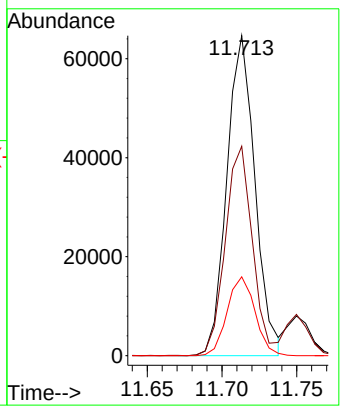




#83
tert-Butylbenzene
Concen: 19.701 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:119 Resp: 8463

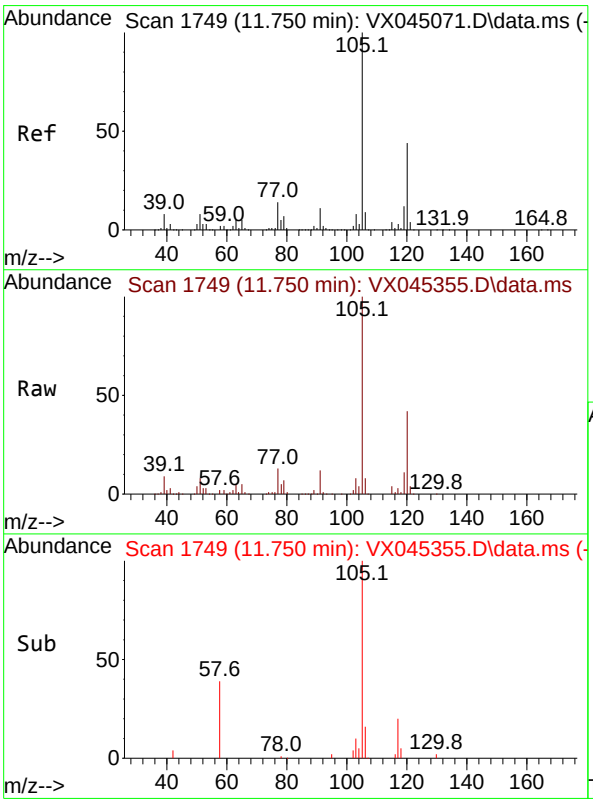
Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.7	92.1
134	24.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

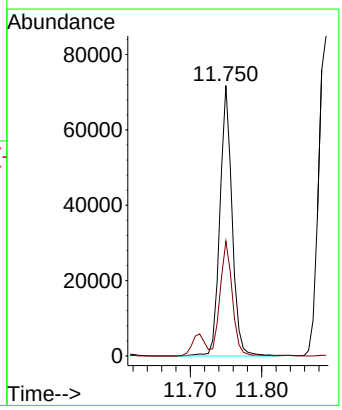
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

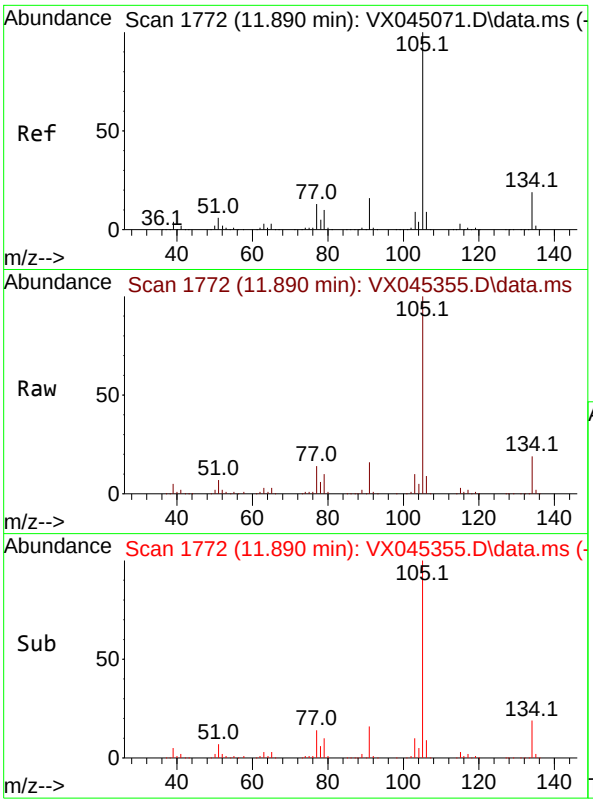


#84
1,2,4-Trimethylbenzene
Concen: 20.144 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:105 Resp: 84742

Ion	Ratio	Lower	Upper
105	100		
120	42.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.425 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

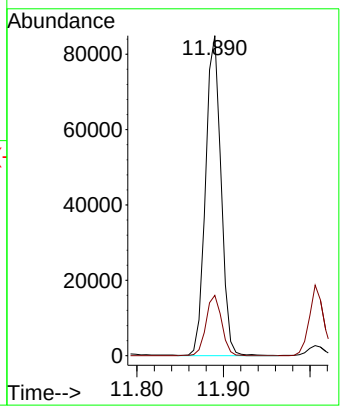
Tgt Ion:105 Resp: 10510

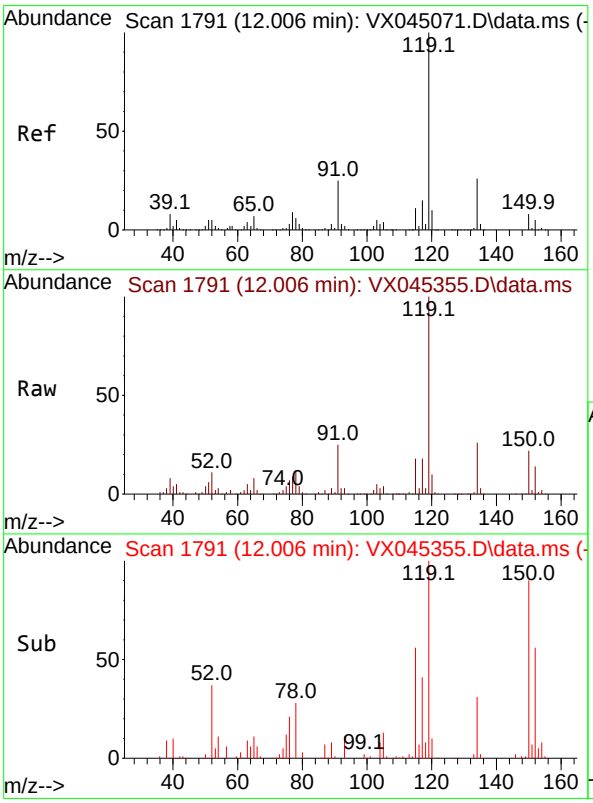
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

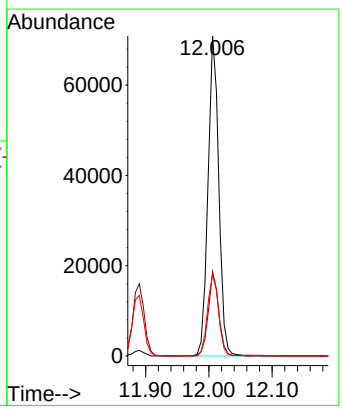


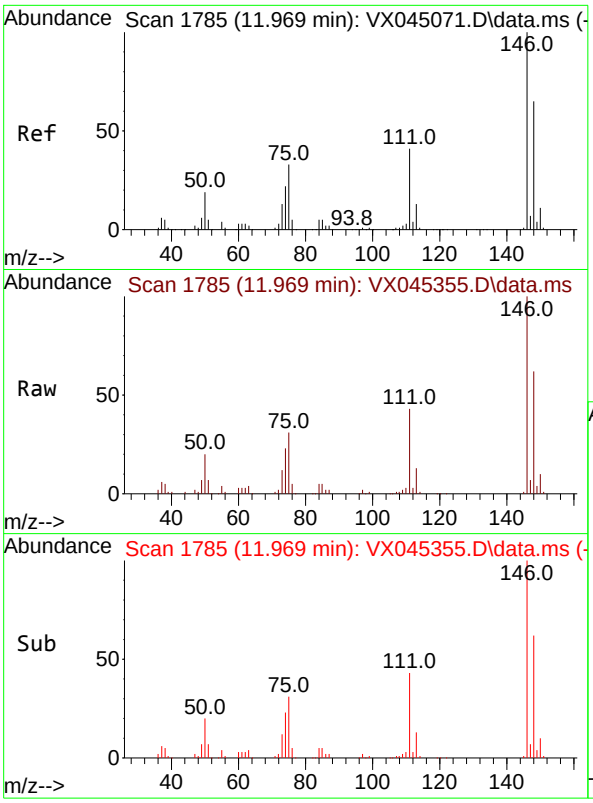


#86
p-Isopropyltoluene
Concen: 20.278 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:119 Resp: 84328

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	26.1	12.7	38.0

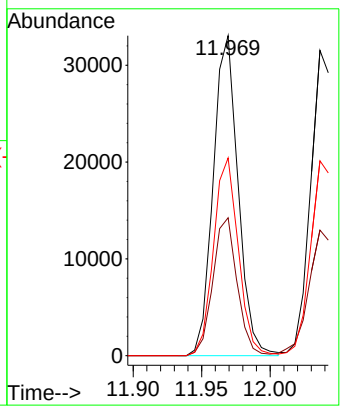




#87
1,3-Dichlorobenzene
Concen: 19.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:146 Resp: 4178

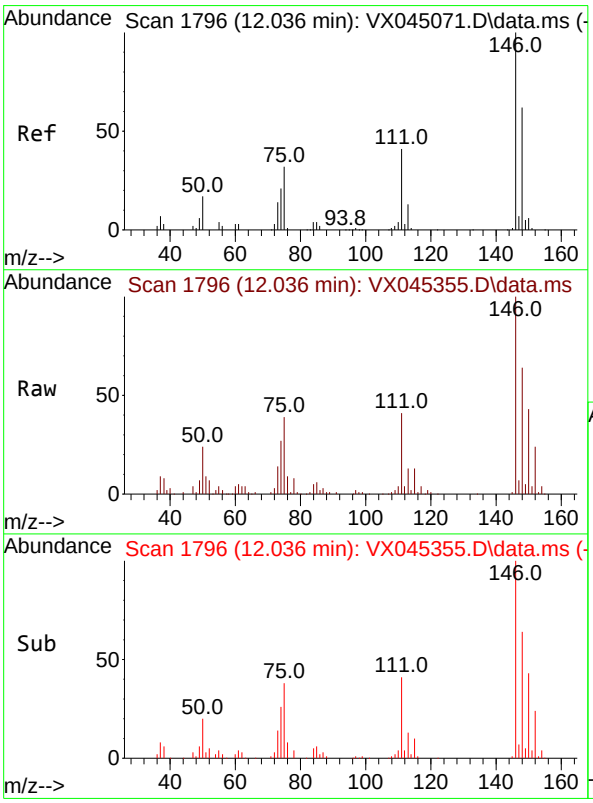
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

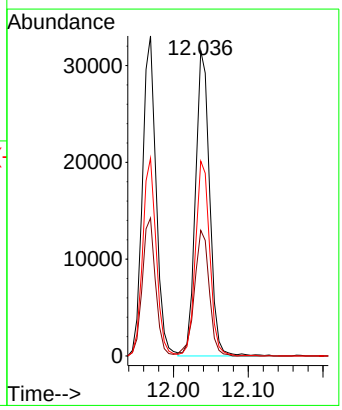
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

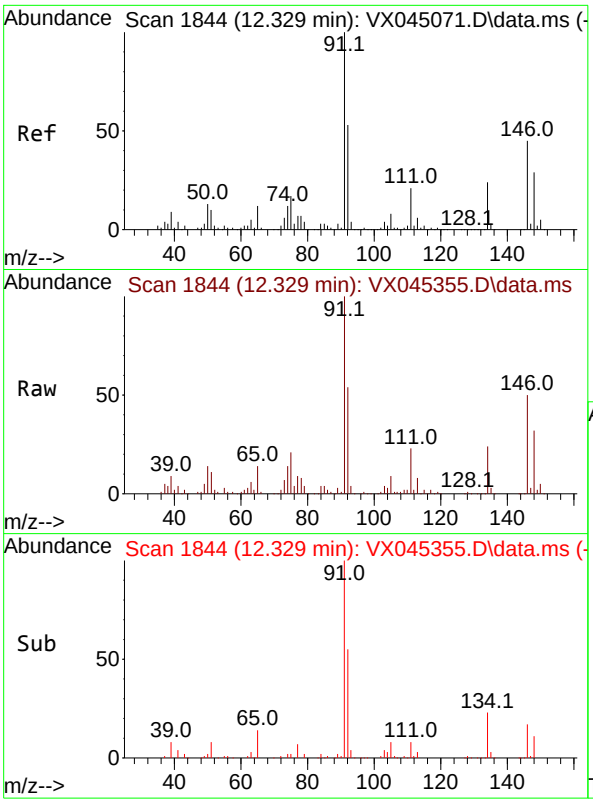


#88
1,4-Dichlorobenzene
Concen: 18.817 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:146 Resp: 41434

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.2	60.5
148	63.9	31.9	95.9

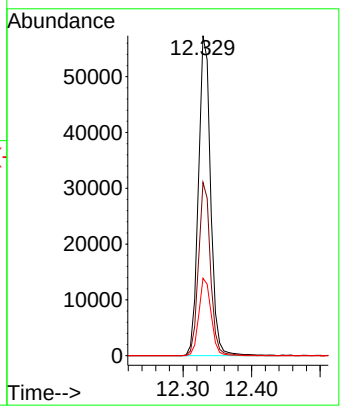




#89
n-Butylbenzene
Concen: 19.814 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 91 Resp: 7096

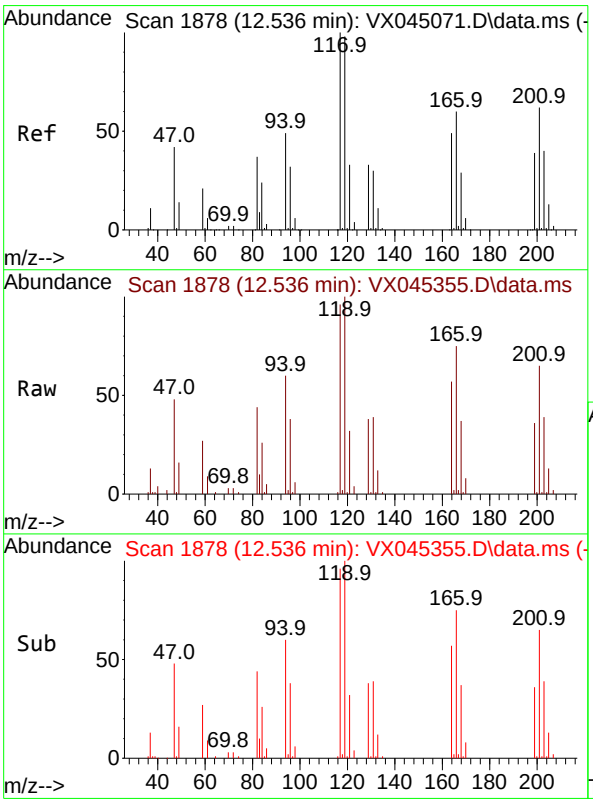
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

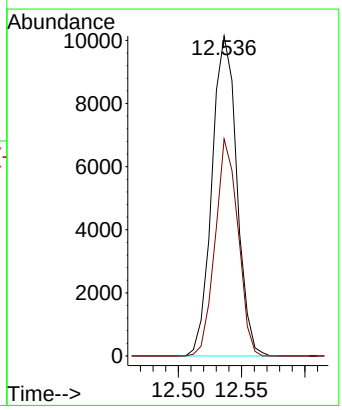
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

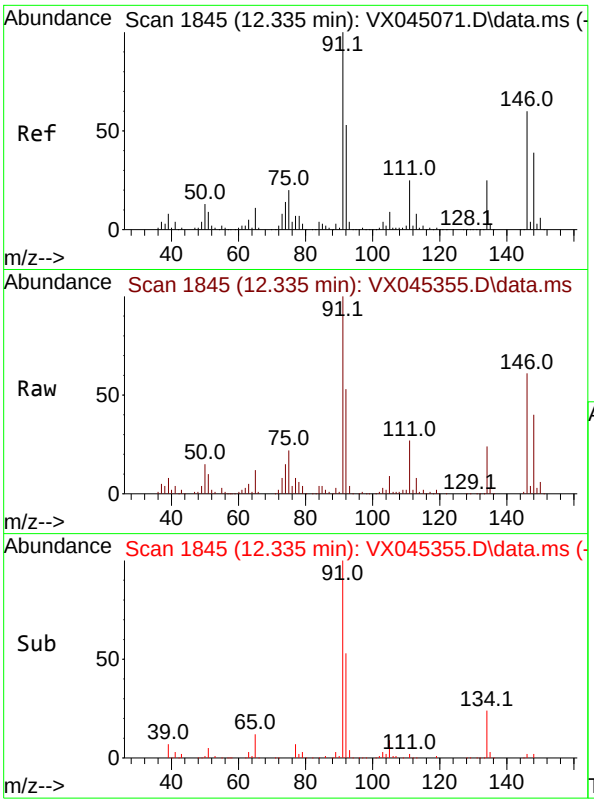


#90
Hexachloroethane
Concen: 18.401 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:117 Resp: 13841

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.9	95.9

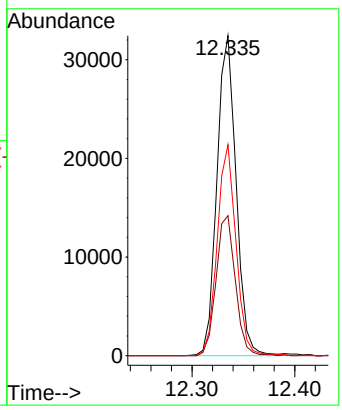




#91
1,2-Dichlorobenzene
Concen: 19.219 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:146 Resp: 4196

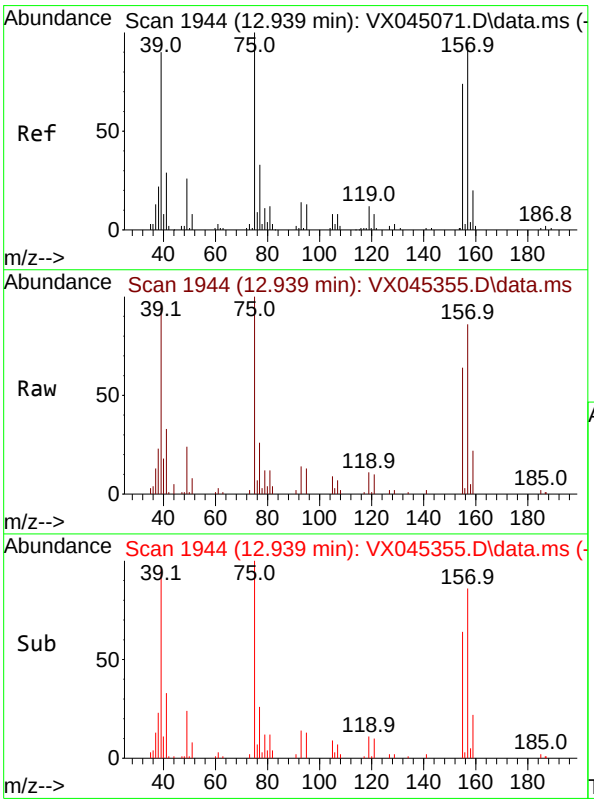
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	65.0
148	64.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

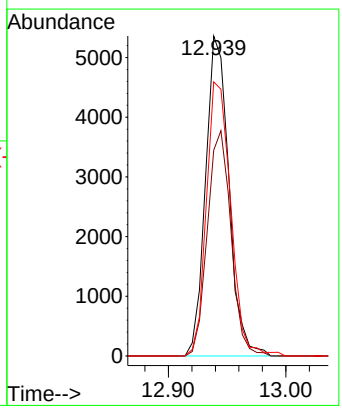
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

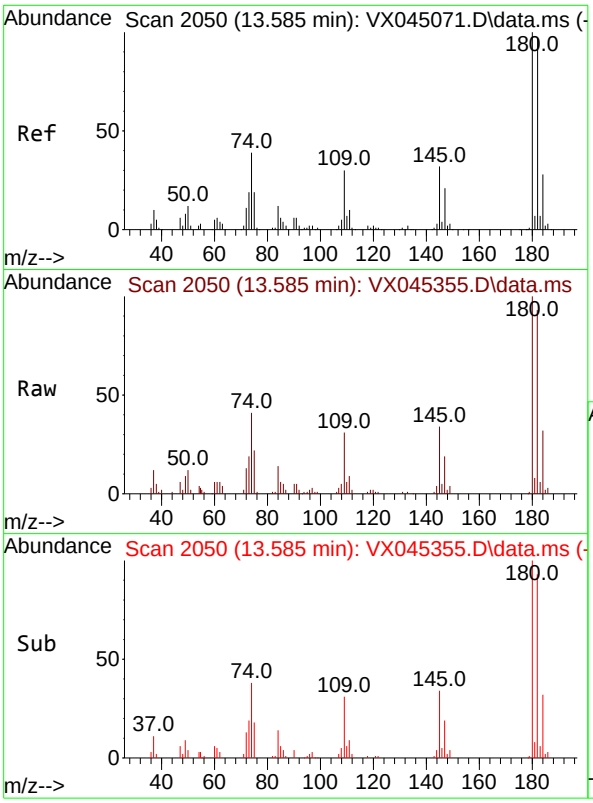


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.964 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 7380

Ion	Ratio	Lower	Upper
75	100		
155	71.1	39.6	118.7
157	89.4	51.1	153.4

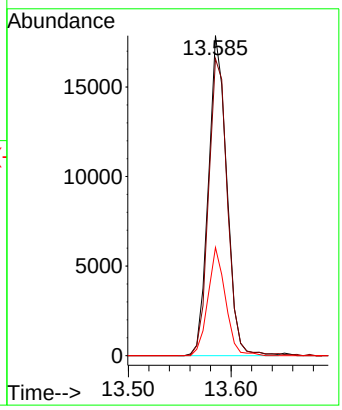




#93
1,2,4-Trichlorobenzene
Concen: 17.883 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:180 Resp: 2223

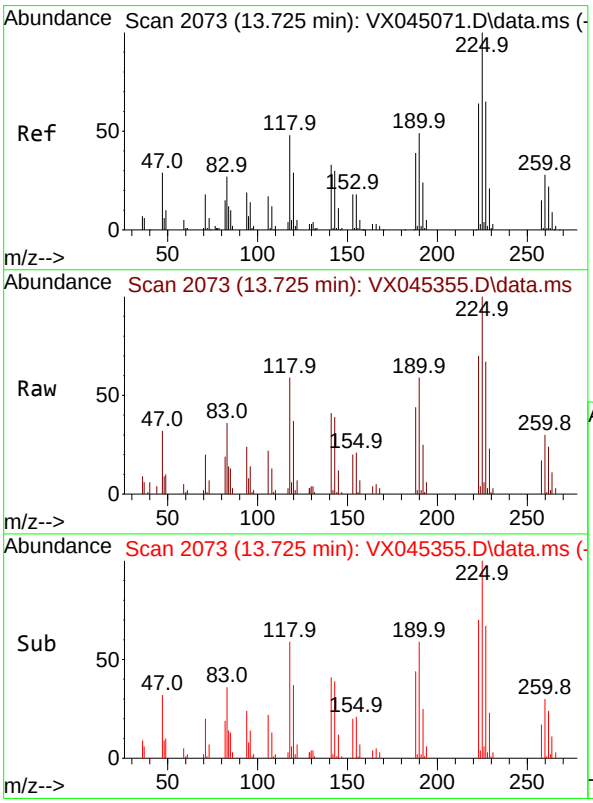
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.4	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

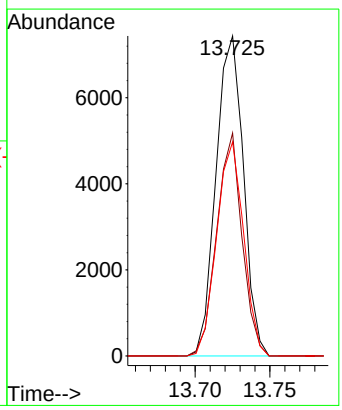
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

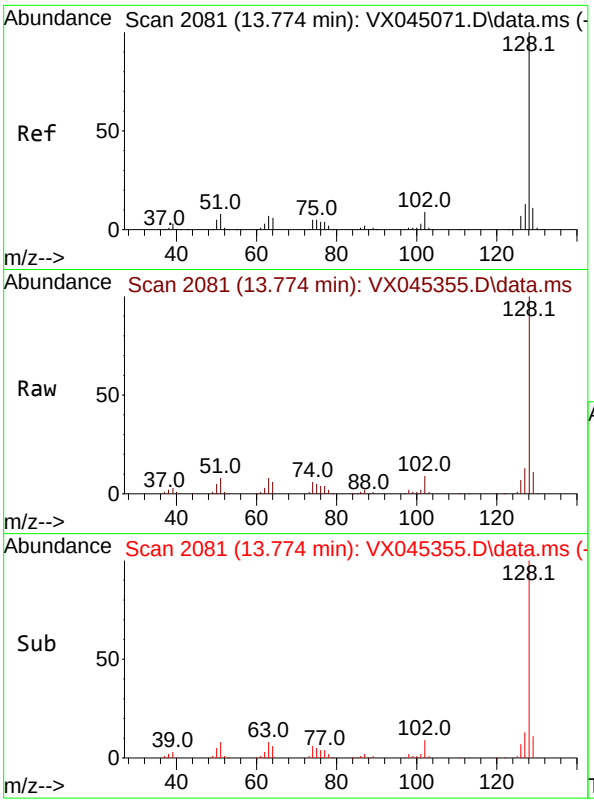


#94
Hexachlorobutadiene
Concen: 18.594 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:225 Resp: 9477

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	65.8	31.4	94.0





#95
Naphthalene
Concen: 17.927 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

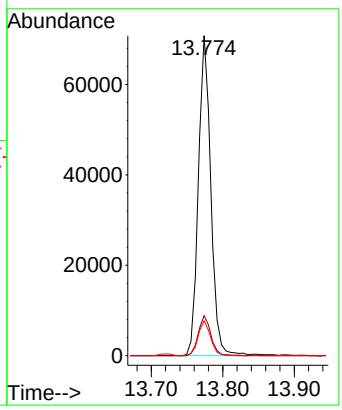
Tgt Ion:128 Resp: 8562

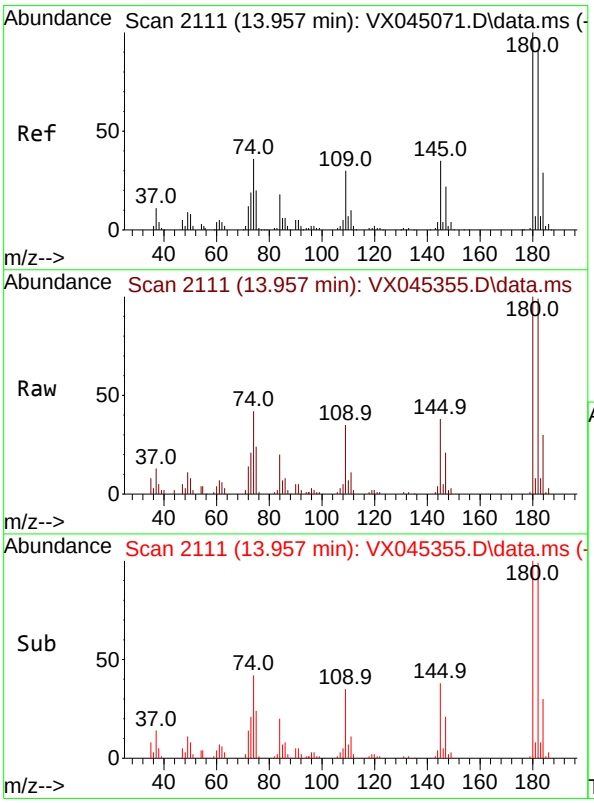
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

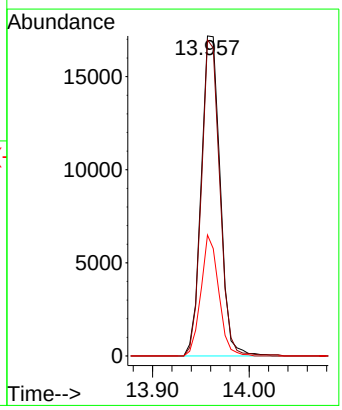




#96
1,2,3-Trichlorobenzene
Concen: 17.843 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:180 Resp: 23401

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	35.5	17.0	50.9



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

Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX032025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045347.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:08 AM	MMDadoda	3/21/2025 10:05:51 AM	Peak Integrated by Software
VX0320WBS01	VX045350.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:14 AM	MMDadoda	3/21/2025 10:05:52 AM	Peak Integrated by Software
VX0320WBSD01	VX045355.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:22 AM	MMDadoda	3/21/2025 10:05:54 AM	Peak Integrated by Software
VSTDCCC050	VX045373.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:51:39 AM	MMDadoda	3/21/2025 10:05:56 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX032125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045375.D	1,2,3-Trichloropropane	SAM	3/24/2025 2:02:53 AM	MMDadoda	3/24/2025 2:04:35 AM	Peak Integrated by Software
VX0321WBS01	VX045378.D	1,2,3-Trichloropropane	SAM	3/24/2025 2:02:55 AM	MMDadoda	3/24/2025 2:04:10 AM	Peak Integrated by Software
VSTDCCC050	VX045401.D	1,2,3-Trichloropropane	SAM	3/24/2025 2:02:59 AM	MMDadoda	3/24/2025 2:04:16 AM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045346.D	20 Mar 2025 09:09	JC/MD	Ok
2	VSTDCCC050	VX045347.D	20 Mar 2025 09:38	JC/MD	Ok,M
3	VX0320MBL01	VX045348.D	20 Mar 2025 10:06	JC/MD	Ok
4	VX0320WBL01	VX045349.D	20 Mar 2025 10:29	JC/MD	Ok
5	VX0320WBS01	VX045350.D	20 Mar 2025 10:53	JC/MD	Ok,M
6	VX0320WBS02	VX045351.D	20 Mar 2025 11:20	JC/MD	Not Ok
7	Q1559-09DL	VX045352.D	20 Mar 2025 11:44	JC/MD	Ok
8	Q1559-22DL	VX045353.D	20 Mar 2025 12:07	JC/MD	Ok
9	Q1559-21DL	VX045354.D	20 Mar 2025 12:30	JC/MD	Ok
10	VX0320WBSD01	VX045355.D	20 Mar 2025 12:53	JC/MD	Ok,M
11	Q1559-08	VX045356.D	20 Mar 2025 13:17	JC/MD	Ok
12	Q1584-02	VX045357.D	20 Mar 2025 13:40	JC/MD	Ok
13	Q1584-03	VX045358.D	20 Mar 2025 14:03	JC/MD	Ok
14	Q1584-04	VX045359.D	20 Mar 2025 14:26	JC/MD	Ok
15	Q1582-16	VX045360.D	20 Mar 2025 14:50	JC/MD	Ok
16	Q1582-05	VX045361.D	20 Mar 2025 15:13	JC/MD	ReRun
17	Q1584-01	VX045362.D	20 Mar 2025 15:36	JC/MD	Ok
18	Q1582-02	VX045363.D	20 Mar 2025 15:59	JC/MD	Dilution
19	Q1582-03	VX045364.D	20 Mar 2025 16:22	JC/MD	Dilution
20	Q1582-04	VX045365.D	20 Mar 2025 16:46	JC/MD	ReRun
21	Q1582-06	VX045366.D	20 Mar 2025 17:09	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1582-07	VX045367.D	20 Mar 2025 17:32	JC/MD	Dilution
23	Q1582-08	VX045368.D	20 Mar 2025 17:55	JC/MD	Dilution
24	Q1582-09	VX045369.D	20 Mar 2025 18:19	JC/MD	ReRun
25	Q1582-10	VX045370.D	20 Mar 2025 18:42	JC/MD	Dilution
26	Q1582-11	VX045371.D	20 Mar 2025 19:05	JC/MD	ReRun
27	Q1582-12	VX045372.D	20 Mar 2025 19:28	JC/MD	Ok
28	VSTDCCC050	VX045373.D	20 Mar 2025 19:51	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM				
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045374.D	21 Mar 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX045375.D	21 Mar 2025 10:00	JC/MD	Ok,M
3	VX0321MBL01	VX045376.D	21 Mar 2025 10:29	JC/MD	Ok
4	VX0321WBL01	VX045377.D	21 Mar 2025 10:52	JC/MD	Ok
5	VX0321WBS01	VX045378.D	21 Mar 2025 11:15	JC/MD	Ok,M
6	VX0321WBSD01	VX045379.D	21 Mar 2025 11:44	JC/MD	Ok,M
7	Q1582-02DL	VX045380.D	21 Mar 2025 12:08	JC/MD	Ok
8	Q1582-06DL	VX045381.D	21 Mar 2025 12:31	JC/MD	Ok
9	Q1582-07DL	VX045382.D	21 Mar 2025 12:54	JC/MD	Ok
10	Q1582-03DL	VX045383.D	21 Mar 2025 13:18	JC/MD	Ok
11	Q1582-10DL	VX045384.D	21 Mar 2025 13:41	JC/MD	Ok
12	Q1582-08DL	VX045385.D	21 Mar 2025 14:04	JC/MD	Ok
13	Q1582-04	VX045386.D	21 Mar 2025 14:28	JC/MD	Ok
14	Q1582-05	VX045387.D	21 Mar 2025 14:51	JC/MD	Ok
15	Q1582-09	VX045388.D	21 Mar 2025 15:14	JC/MD	Ok
16	Q1582-11	VX045389.D	21 Mar 2025 15:38	JC/MD	Ok
17	Q1582-01	VX045390.D	21 Mar 2025 16:01	JC/MD	Ok
18	Q1582-13	VX045391.D	21 Mar 2025 16:25	JC/MD	Ok
19	Q1582-14	VX045392.D	21 Mar 2025 16:48	JC/MD	Ok
20	Q1582-15	VX045393.D	21 Mar 2025 17:11	JC/MD	Ok
21	Q1608-01	VX045394.D	21 Mar 2025 17:35	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM				
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1608-02	VX045395.D	21 Mar 2025 17:58	JC/MD	Dilution
23	Q1608-03	VX045396.D	21 Mar 2025 18:21	JC/MD	Dilution
24	Q1608-04	VX045397.D	21 Mar 2025 18:44	JC/MD	Ok
25	Q1608-05	VX045398.D	21 Mar 2025 19:08	JC/MD	Ok
26	Q1608-06	VX045399.D	21 Mar 2025 19:31	JC/MD	Ok
27	Q1608-07	VX045400.D	21 Mar 2025 19:54	JC/MD	Ok
28	VSTDCCC050	VX045401.D	21 Mar 2025 20:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
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	VX045346.D	20 Mar 2025 09:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045347.D	20 Mar 2025 09:38	pH#Lot#V12668	JC/MD	Ok,M
3	VX0320MBL01	VX0320MBL01	VX045348.D	20 Mar 2025 10:06		JC/MD	Ok
4	VX0320WBL01	VX0320WBL01	VX045349.D	20 Mar 2025 10:29		JC/MD	Ok
5	VX0320WBS01	VX0320WBS01	VX045350.D	20 Mar 2025 10:53		JC/MD	Ok,M
6	VX0320WBS02	VX0320WBS02	VX045351.D	20 Mar 2025 11:20	Surrogate Fail for DOD	JC/MD	Not Ok
7	Q1559-09DL	DUP03-20250310DL	VX045352.D	20 Mar 2025 11:44	vial B pH<2	JC/MD	Ok
8	Q1559-22DL	RE120D2-20250312DL	VX045353.D	20 Mar 2025 12:07	vial B pH<2	JC/MD	Ok
9	Q1559-21DL	RE120D3-20250312DL	VX045354.D	20 Mar 2025 12:30	vial B pH<2	JC/MD	Ok
10	VX0320WBSD01	VX0320WBSD01	VX045355.D	20 Mar 2025 12:53	BSD failed low for comp. #11,13	JC/MD	Ok,M
11	Q1559-08	DUP02-20250310	VX045356.D	20 Mar 2025 13:17	vial B pH<2	JC/MD	Ok
12	Q1584-02	Storage-Blank-WATER-	VX045357.D	20 Mar 2025 13:40	vial A pH<2	JC/MD	Ok
13	Q1584-03	Storage-Blank-WATER-	VX045358.D	20 Mar 2025 14:03	vial A pH<2	JC/MD	Ok
14	Q1584-04	Storage-Blank-SAMPLE	VX045359.D	20 Mar 2025 14:26	vial A pH<2	JC/MD	Ok
15	Q1582-16	FB	VX045360.D	20 Mar 2025 14:50	vial A pH<2 FB	JC/MD	Ok
16	Q1582-05	FB02-20250313	VX045361.D	20 Mar 2025 15:13	vial A pH<2 FB;Hit of comp.#16	JC/MD	ReRun
17	Q1584-01	Storage-Blank-SOIL-RE	VX045362.D	20 Mar 2025 15:36	vial A pH<2	JC/MD	Ok
18	Q1582-02	TT180D1-20250313	VX045363.D	20 Mar 2025 15:59	vial A pH<2 Need 4X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032025

Review By	John Carlone	Review On	3/21/2025 10:02:10 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:58 AM		
SubDirectory	VX032025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133422
Initial Calibration Stds	
CCC	VP133423,VP133424
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1582-03	TT180D2-20250313	VX045364.D	20 Mar 2025 16:22	vial A pH<2 Need 10X	JC/MD	Dilution
20	Q1582-04	TT180D-20250313	VX045365.D	20 Mar 2025 16:46	vial A pH<2 E flage in previous sample	JC/MD	ReRun
21	Q1582-06	RE131D1-20250313	VX045366.D	20 Mar 2025 17:09	vial A pH<2 Need 5X	JC/MD	Dilution
22	Q1582-07	RE131D2-20250313	VX045367.D	20 Mar 2025 17:32	vial A pH<2 Need 5X	JC/MD	Dilution
23	Q1582-08	RE131D3-20250313	VX045368.D	20 Mar 2025 17:55	vial A pH<2 Need 20X	JC/MD	Dilution
24	Q1582-09	TT119S1-20250313	VX045369.D	20 Mar 2025 18:19	vial A pH<2 E flage in previous sample	JC/MD	ReRun
25	Q1582-10	RE114D1-20250313	VX045370.D	20 Mar 2025 18:42	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q1582-11	BPOW1-7-20250314	VX045371.D	20 Mar 2025 19:05	vial A pH<2 E flage in previous sample	JC/MD	ReRun
27	Q1582-12	BPOW1-8-20250314	VX045372.D	20 Mar 2025 19:28	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045373.D	20 Mar 2025 19:51		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM		
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
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	VX045374.D	21 Mar 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045375.D	21 Mar 2025 10:00		JC/MD	Ok,M
3	VX0321MBL01	VX0321MBL01	VX045376.D	21 Mar 2025 10:29		JC/MD	Ok
4	VX0321WBL01	VX0321WBL01	VX045377.D	21 Mar 2025 10:52		JC/MD	Ok
5	VX0321WBS01	VX0321WBS01	VX045378.D	21 Mar 2025 11:15		JC/MD	Ok,M
6	VX0321WBSD01	VX0321WBSD01	VX045379.D	21 Mar 2025 11:44		JC/MD	Ok,M
7	Q1582-02DL	TT180D1-20250313DL	VX045380.D	21 Mar 2025 12:08	vial B pH<2	JC/MD	Ok
8	Q1582-06DL	RE131D1-20250313DL	VX045381.D	21 Mar 2025 12:31	vial B pH<2	JC/MD	Ok
9	Q1582-07DL	RE131D2-20250313DL	VX045382.D	21 Mar 2025 12:54	vial B pH<2	JC/MD	Ok
10	Q1582-03DL	TT180D2-20250313DL	VX045383.D	21 Mar 2025 13:18	vial B pH<2	JC/MD	Ok
11	Q1582-10DL	RE114D1-20250313DL	VX045384.D	21 Mar 2025 13:41	vial B pH<2	JC/MD	Ok
12	Q1582-08DL	RE131D3-20250313DL	VX045385.D	21 Mar 2025 14:04	vial B pH<2	JC/MD	Ok
13	Q1582-04	TT180D-20250313	VX045386.D	21 Mar 2025 14:28	vial B pH<2	JC/MD	Ok
14	Q1582-05	FB02-20250313	VX045387.D	21 Mar 2025 14:51	vial B pH<2,FB	JC/MD	Ok
15	Q1582-09	TT119S1-20250313	VX045388.D	21 Mar 2025 15:14	vial B pH<2	JC/MD	Ok
16	Q1582-11	BPOW1-7-20250314	VX045389.D	21 Mar 2025 15:38	vial B pH<2	JC/MD	Ok
17	Q1582-01	RE117D1-20250313	VX045390.D	21 Mar 2025 16:01	vial A pH<2	JC/MD	Ok
18	Q1582-13	TT191D1-20250314	VX045391.D	21 Mar 2025 16:25	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX032125

Review By	Semsettin Yesilyurt	Review On	3/24/2025 2:03:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/24/2025 2:04:46 AM		
SubDirectory	VX032125	HP Acquire Method	MSVOA_X	HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133432
Initial Calibration Stds	
CCC	VP133433,VP133434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1582-14	TT191D2-20250314	VX045392.D	21 Mar 2025 16:48	vial A pH<2	JC/MD	Ok
20	Q1582-15	DUP06-20250314	VX045393.D	21 Mar 2025 17:11	vial A pH<2	JC/MD	Ok
21	Q1608-01	TT172S1-20250317	VX045394.D	21 Mar 2025 17:35		JC/MD	Ok
22	Q1608-02	RE139D1-20250317	VX045395.D	21 Mar 2025 17:58	Need 4X	JC/MD	Dilution
23	Q1608-03	RE139D2-20250317	VX045396.D	21 Mar 2025 18:21	Surrogate Fail; Need 4X	JC/MD	Dilution
24	Q1608-04	TT205S1-20250317	VX045397.D	21 Mar 2025 18:44	vial B pH<2	JC/MD	Ok
25	Q1608-05	DUP07-20250317	VX045398.D	21 Mar 2025 19:08		JC/MD	Ok
26	Q1608-06	TT163S1-20250317	VX045399.D	21 Mar 2025 19:31		JC/MD	Ok
27	Q1608-07	RW11-MW01S-202503	VX045400.D	21 Mar 2025 19:54		JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045401.D	21 Mar 2025 20:41		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1582

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX032025,VX032125,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133174,VP133178,VP133342,VP133422,VP133423,VP133424,VP133432,VP133433,VP133434,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14883,V14896,V14897,V14898,V14899,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = 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
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = 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
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133342	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/20/2025

FROM 1.00000ml of V14896 + 1.00000ml of V14897 + 1.00000ml of V14898 + 1.00000ml of V14899 + 21.00000ml of V14883 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133422	03/20/2025	03/21/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP133423	03/20/2025	03/21/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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	VP133424	03/20/2025	03/21/2025	John Carlone	None	None	Mahesh Dadoda 03/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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	VP133432	03/21/2025	03/22/2025	John Carlone	None	None	Mahesh Dadoda 03/24/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP133433	03/21/2025	03/22/2025	John Carlone	None	None	Mahesh Dadoda 03/24/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = 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	VP133434	03/21/2025	03/22/2025	John Carlone	None	None	Mahesh Dadoda 03/24/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133178 + 0.01250ml of VP133342 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

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	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

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	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

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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.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

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	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

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	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

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	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

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	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	10/25/2025	02/19/2025 / Jaswal	04/22/2024 / Jaswal	V14883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14896

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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)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14897

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14898

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14899

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

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

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): Methanol **Lot#** 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 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

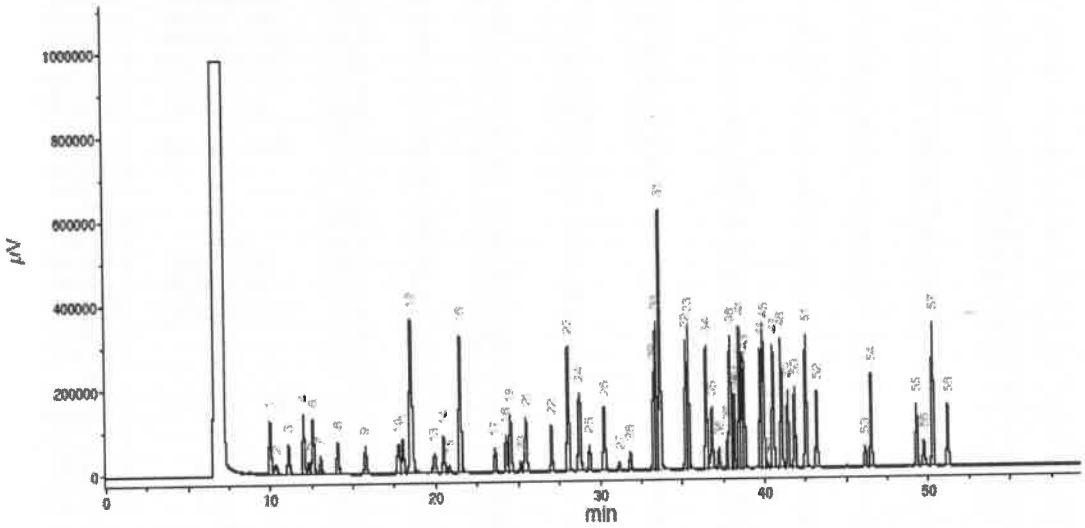
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	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)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	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	40017.8	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 (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	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	1999.6	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 6040mg/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	40000.6	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 sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: 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-1,2,2-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	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
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	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
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	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

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.

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): Methanol **Lot#** 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

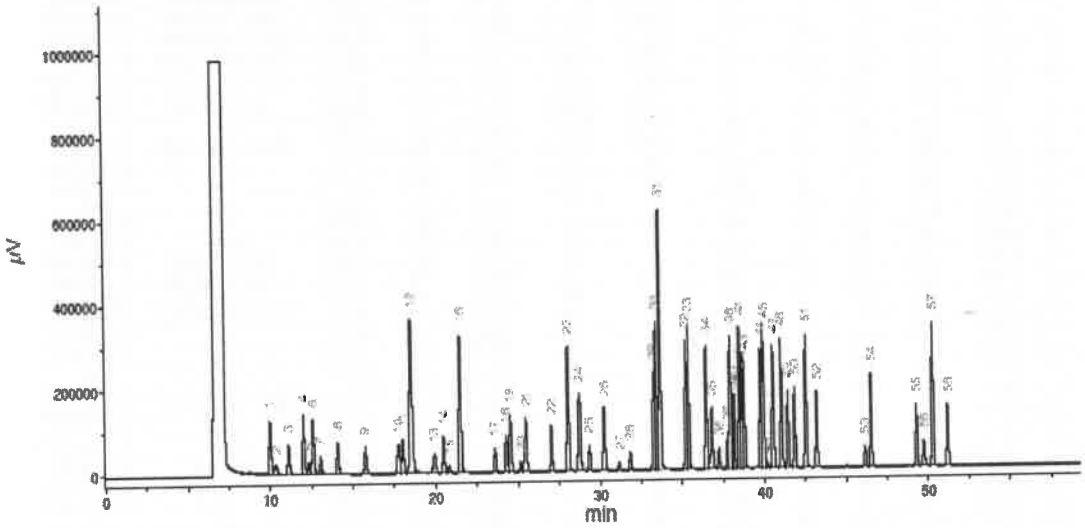
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	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)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	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	40017.8	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 (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	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	1999.6	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	40003.6	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 6040mg/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	40000.6	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 sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: 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-1,2,2-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	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
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	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
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	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 03/18/24
5 vials

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

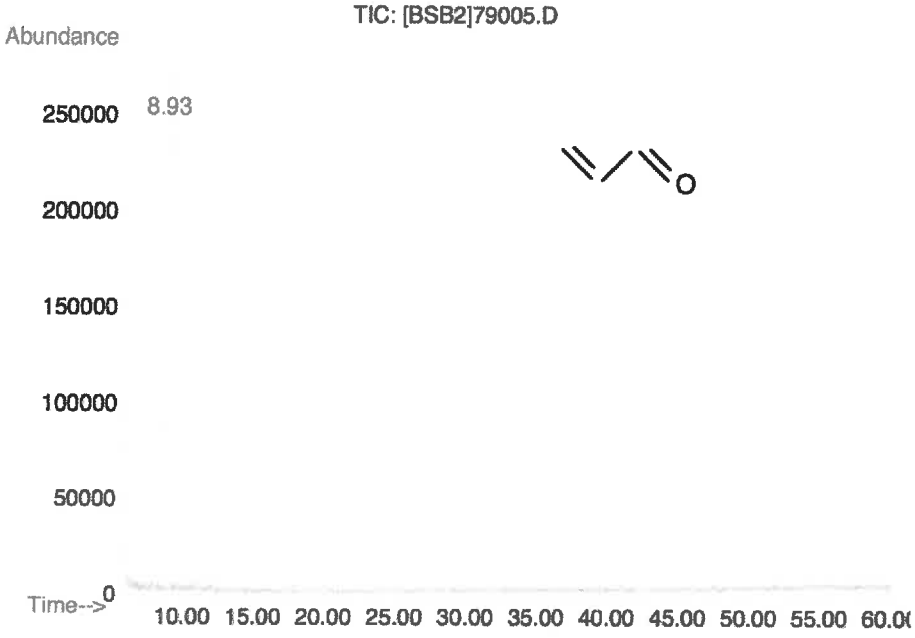
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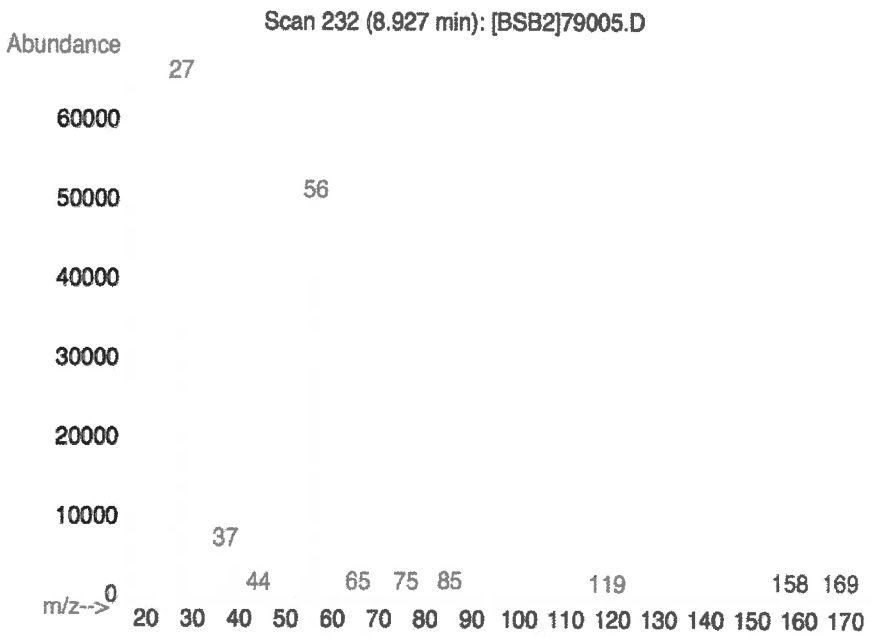
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

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	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

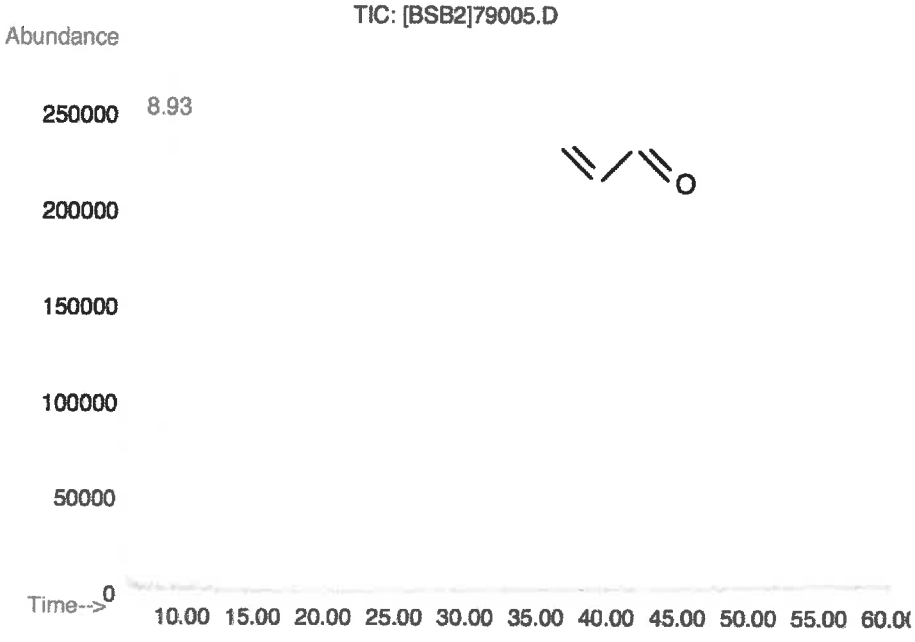
Weight(s) shown below were combined and diluted to (mL): 10.0

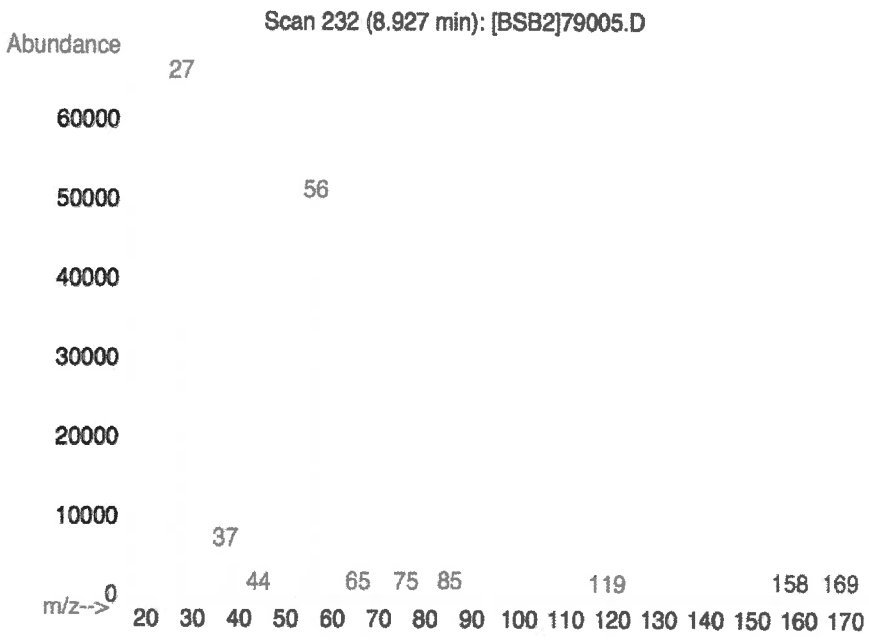
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

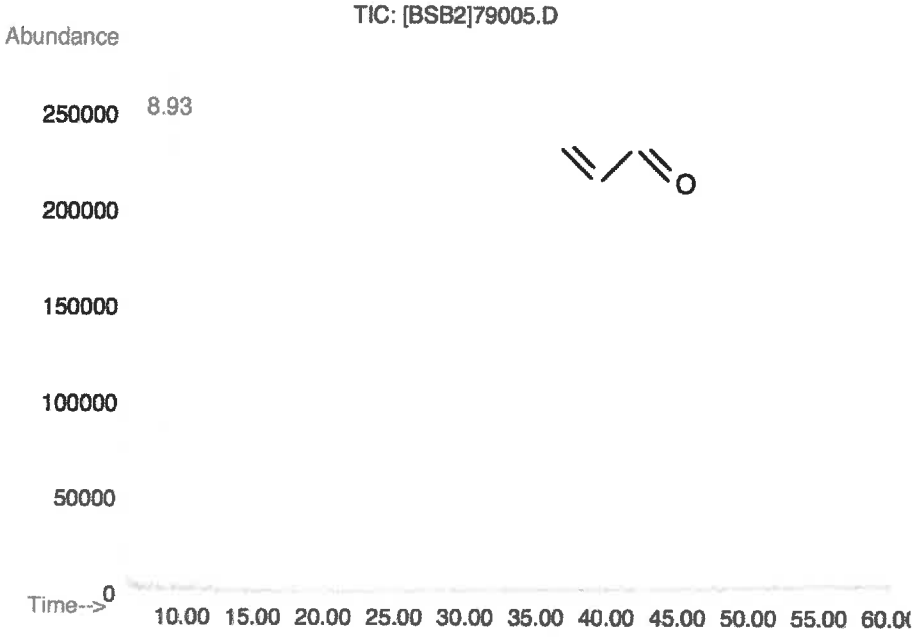
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V14895 to V14899

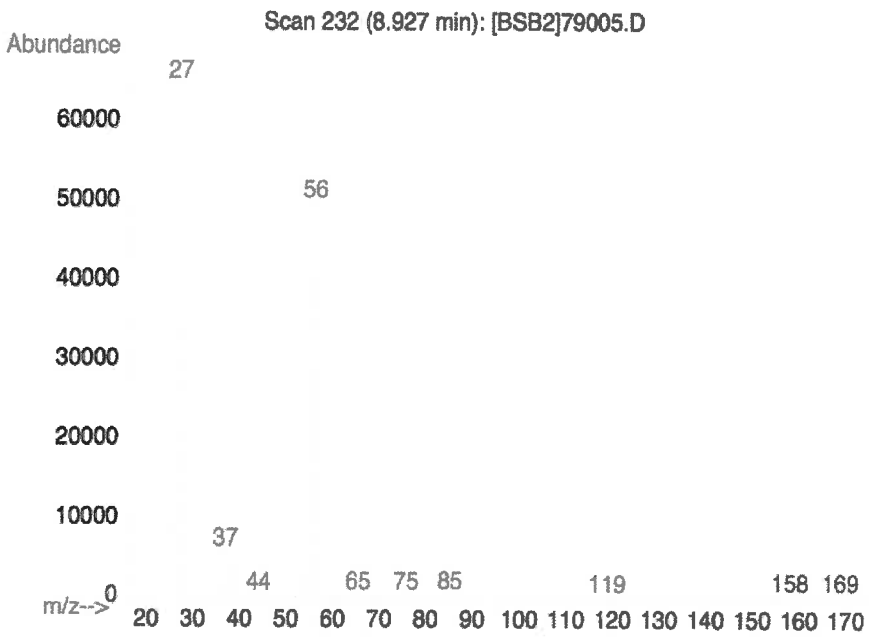
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	031725 DATE
Reviewed By:	Pedro L. Rentas	031725 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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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Hazardous Decomposition products	Carbon oxides

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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

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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Section XVI. Misc. INFORMATION

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

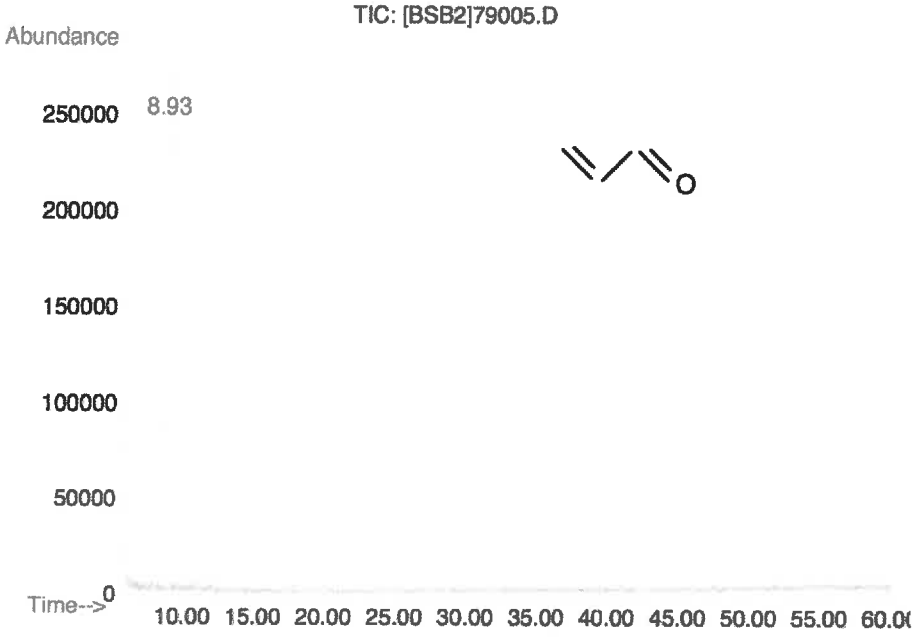
5 vials
V14895 to V14899

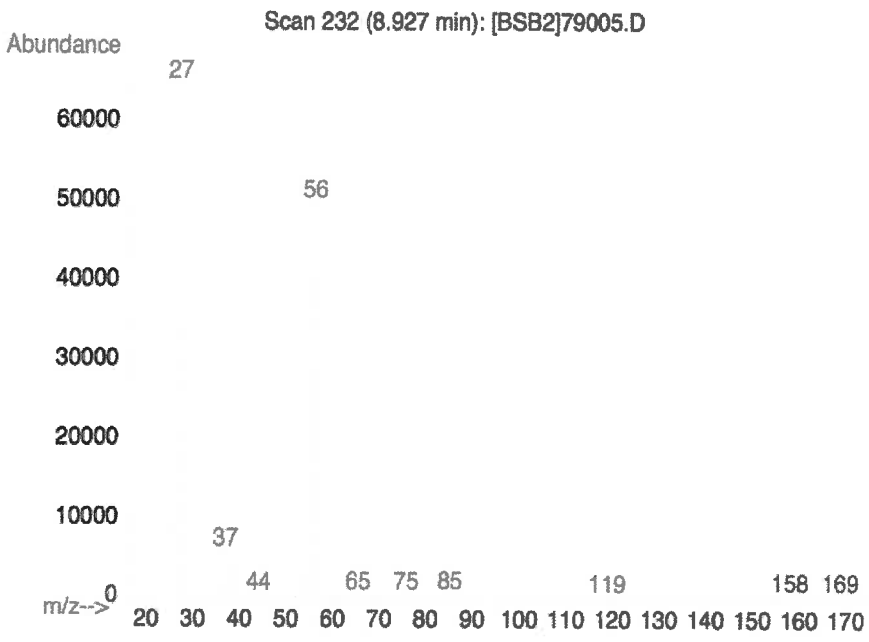
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	031725 DATE
Reviewed By:	Pedro L. Rentas	031725 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material 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
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Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

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

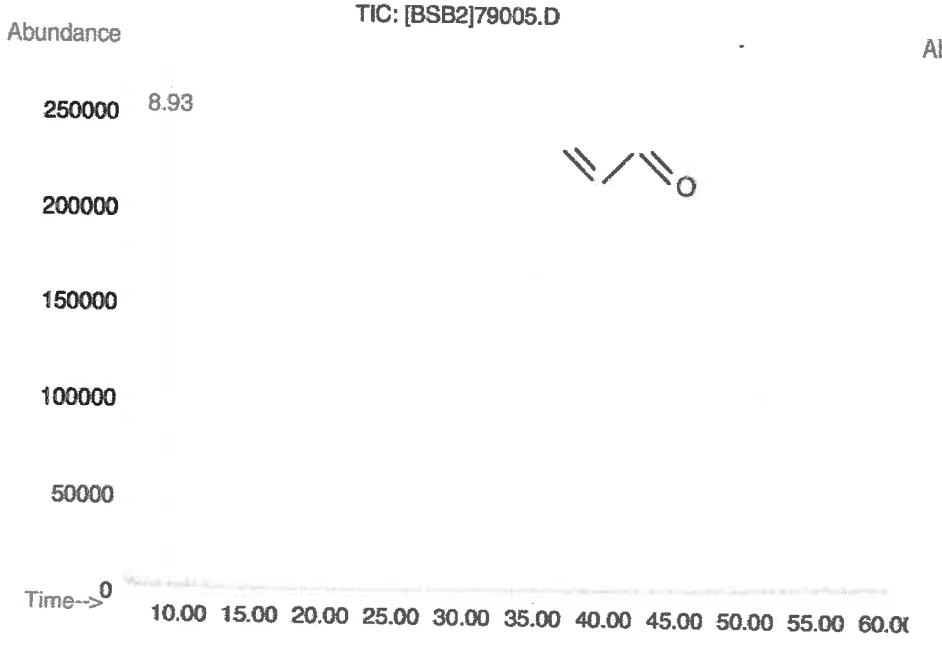
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

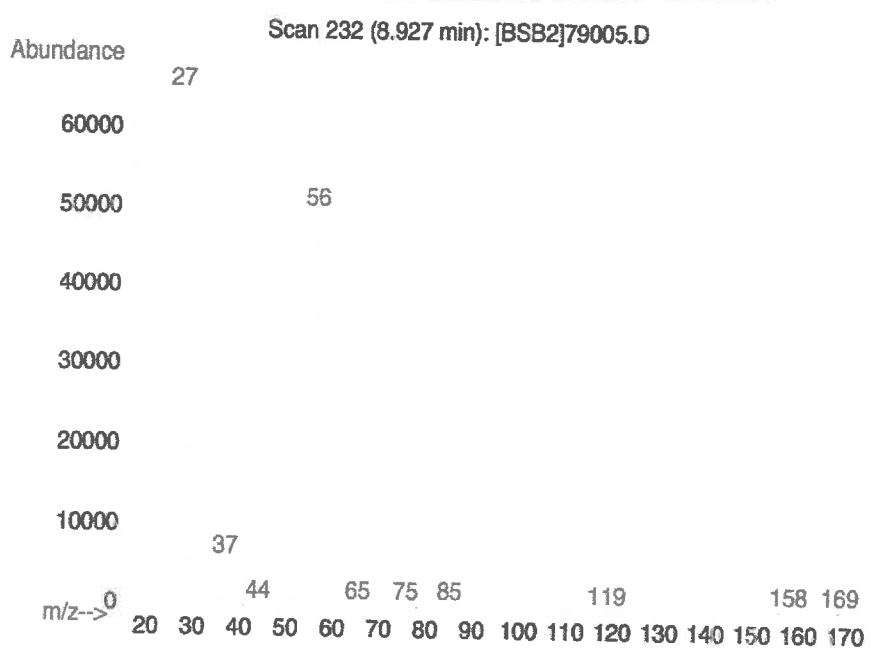
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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- 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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

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AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

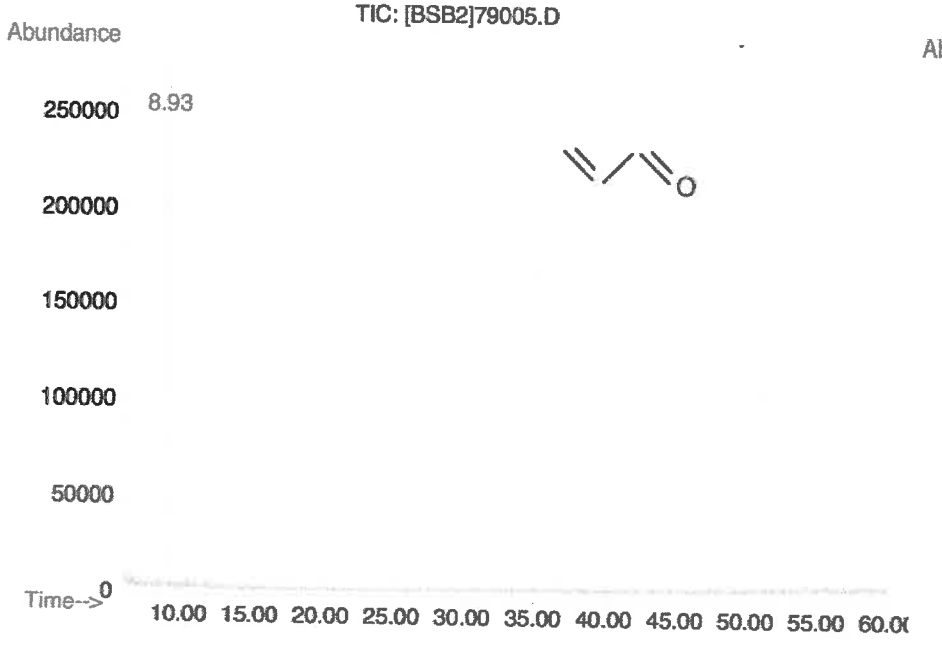
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

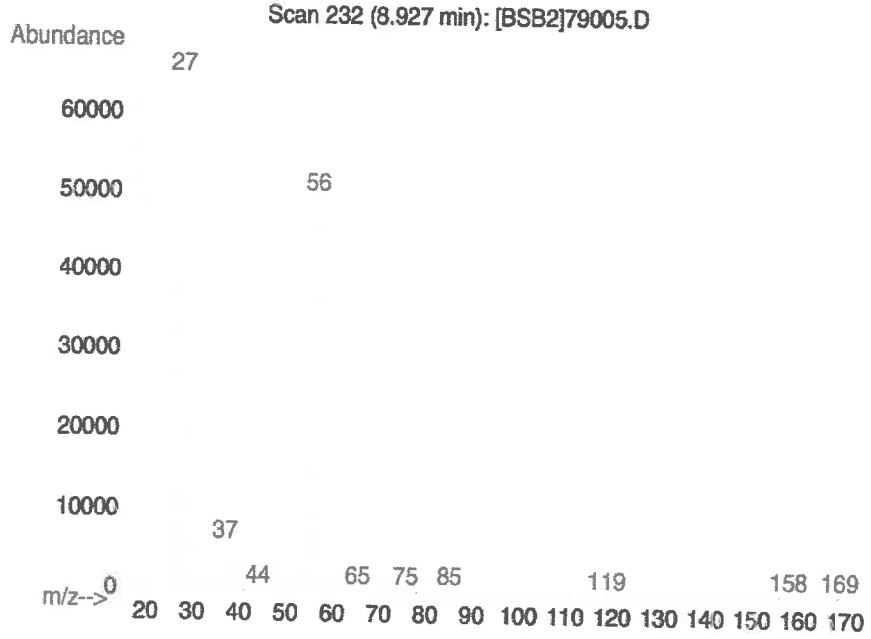
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

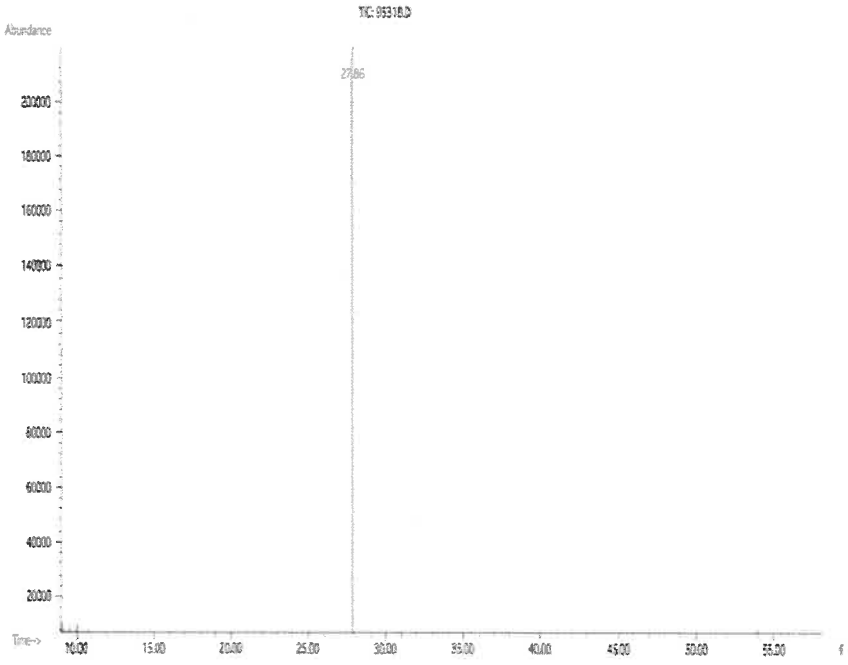
Solvent(s): Methanol **Lot#** EJ143-US

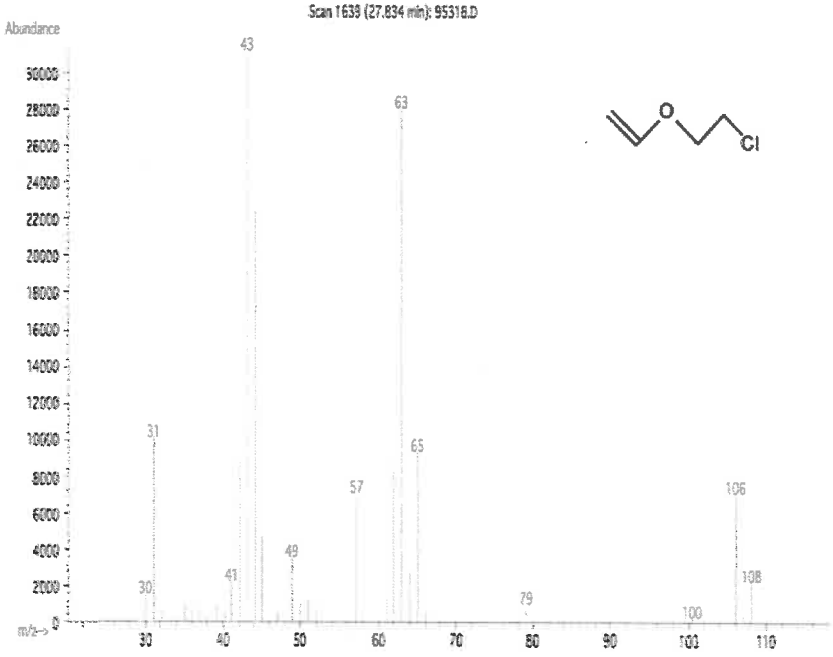
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

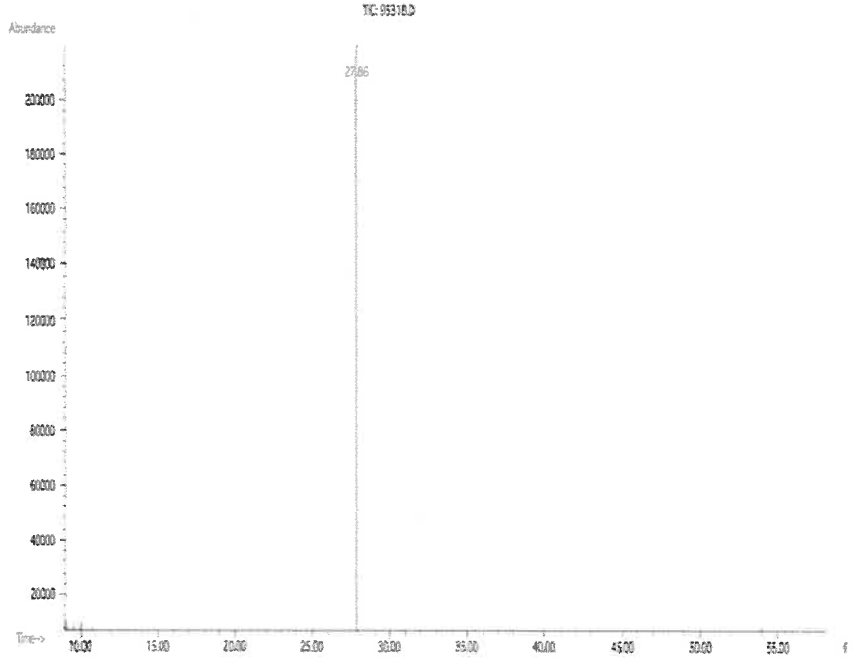
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

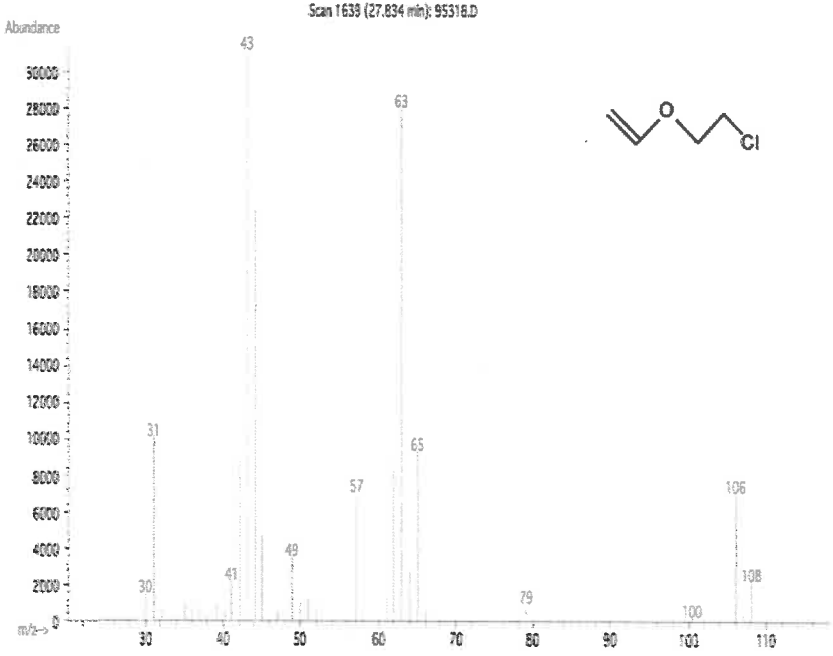
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

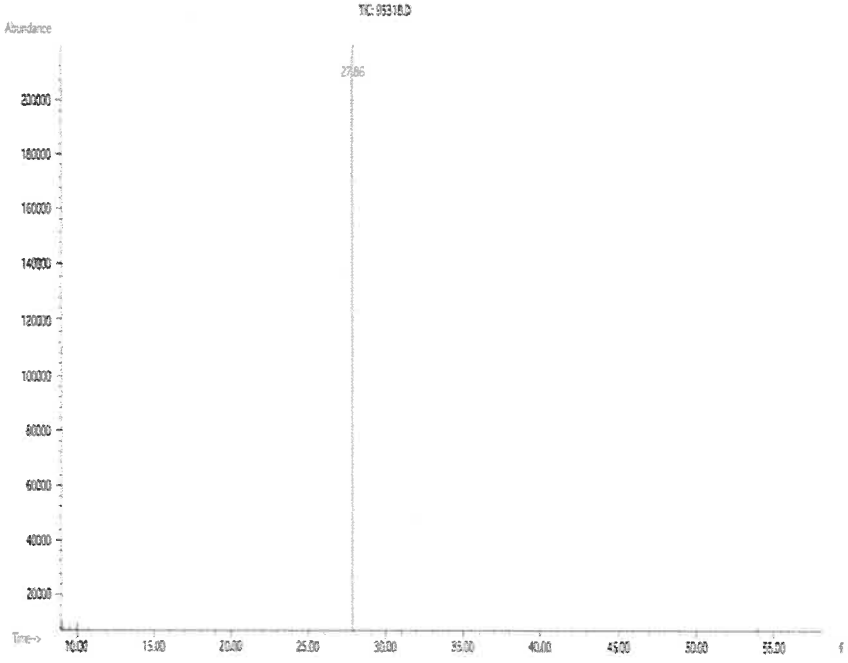
Solvent(s): Methanol **Lot#** EJ143-US

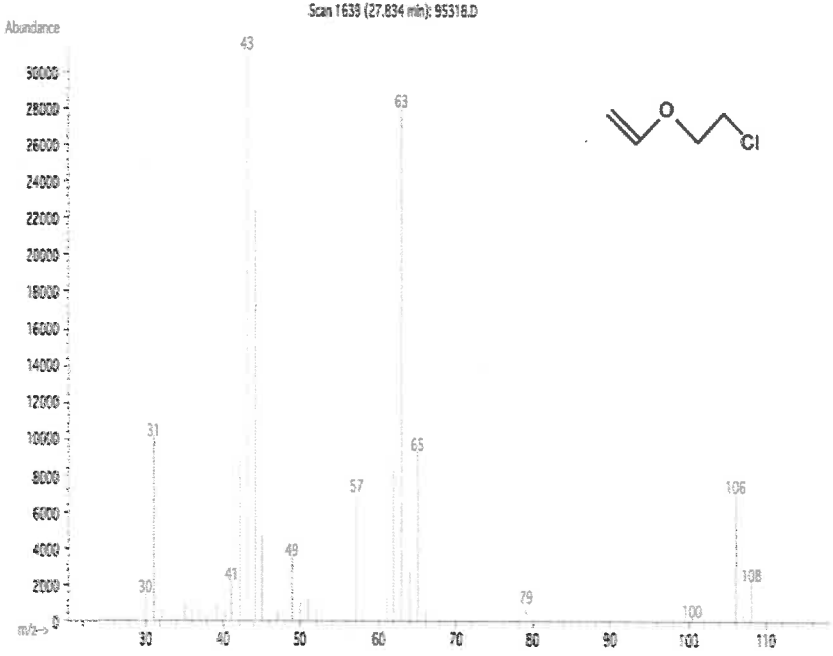
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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
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Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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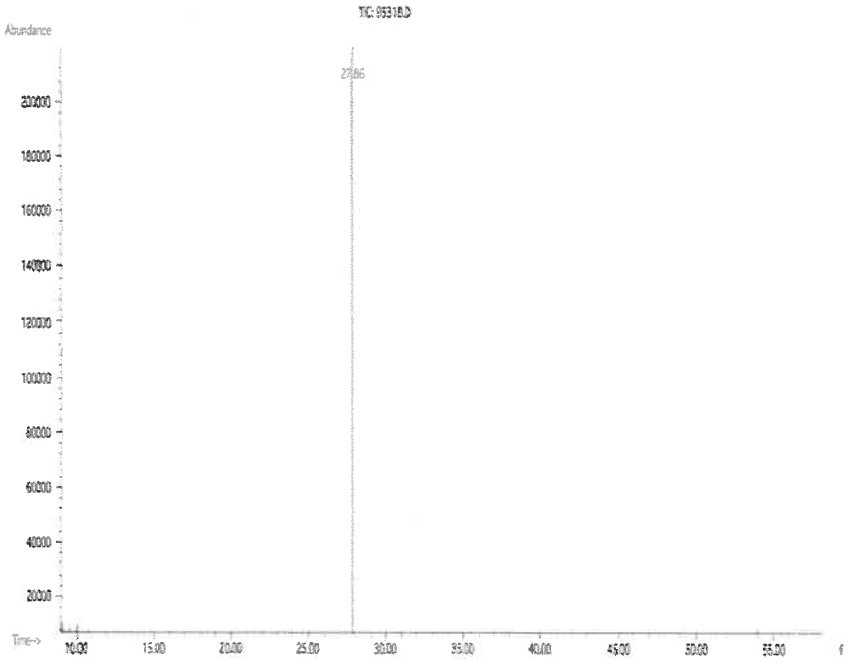
Solvent(s): Methanol **Lot#** EJ143-US

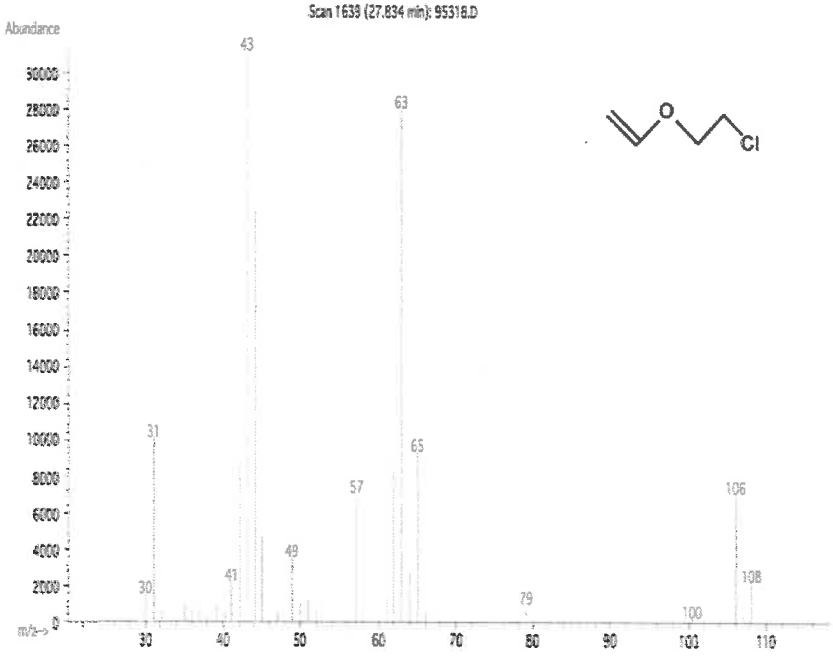
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Formulated By:	Prashant Chauhan	DATE
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

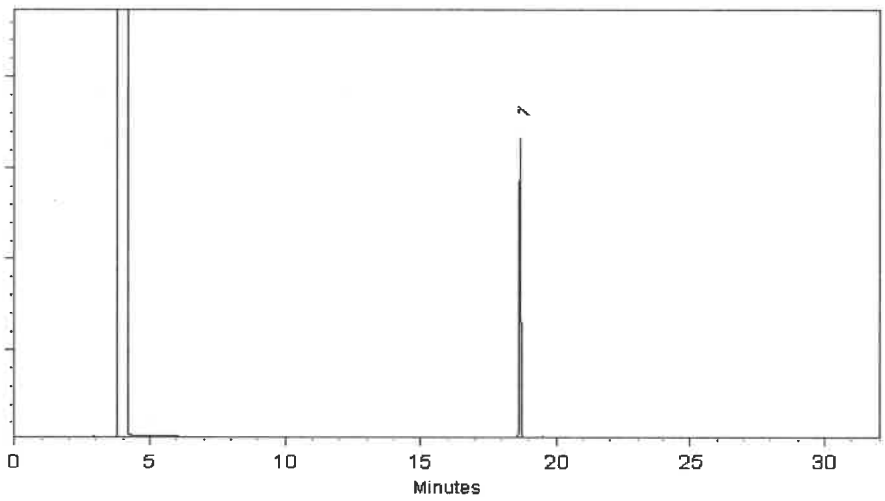
Inj. Temp:
200°C

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.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

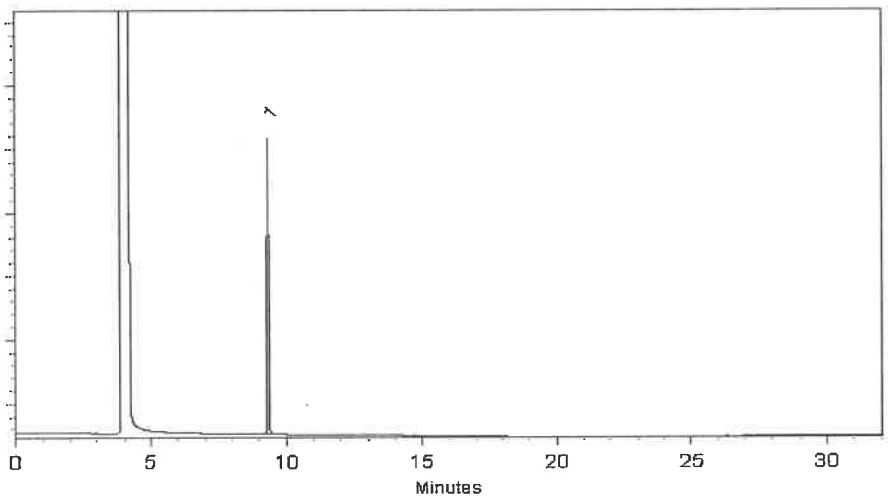
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

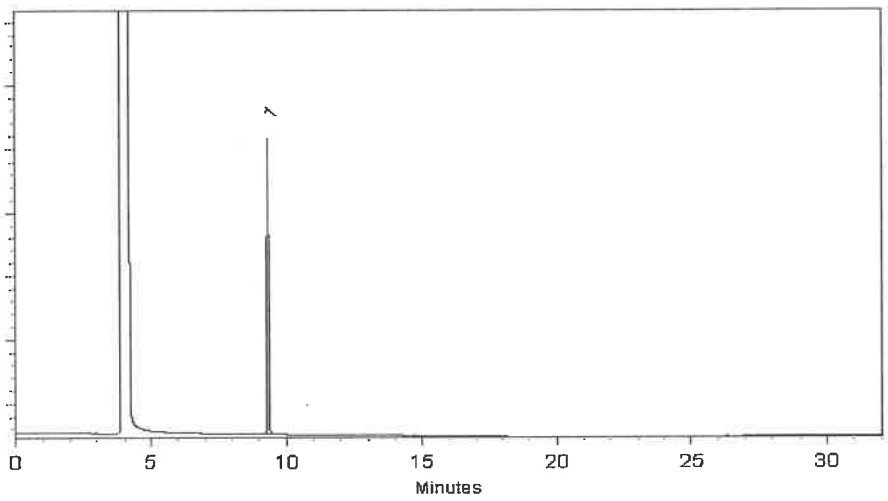
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Manufacturing Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

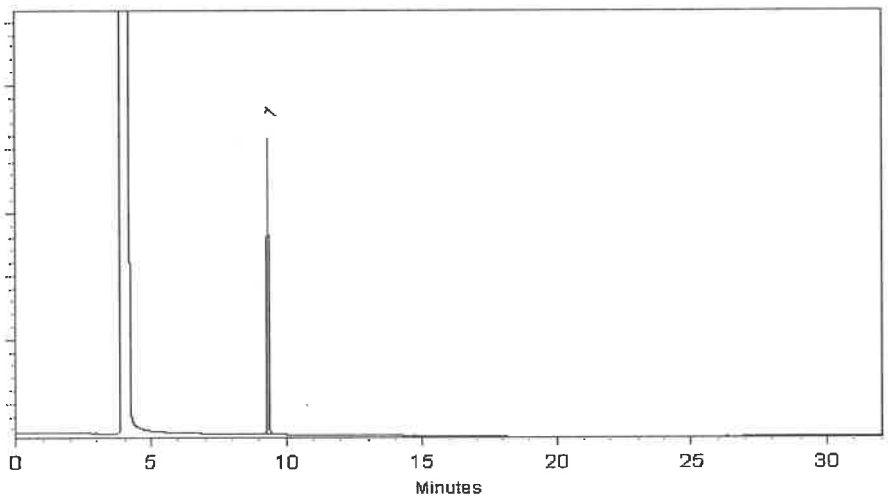
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

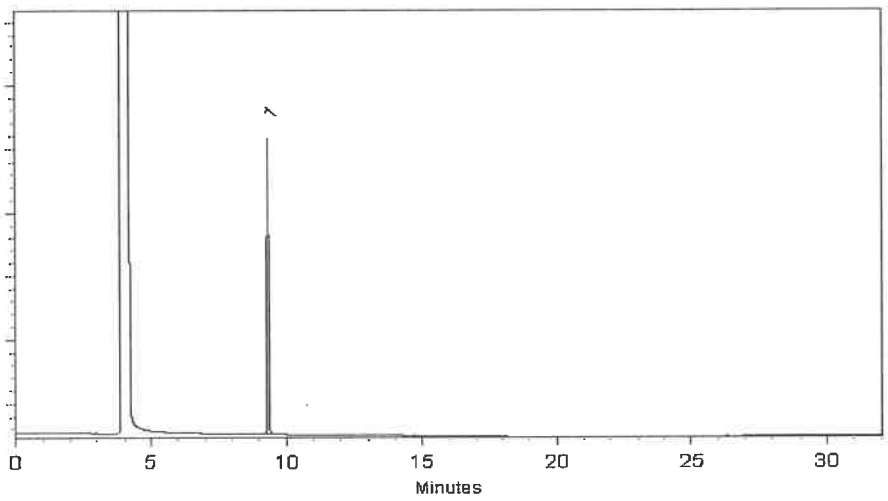
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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CERTIFIED REFERENCE MATERIAL

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

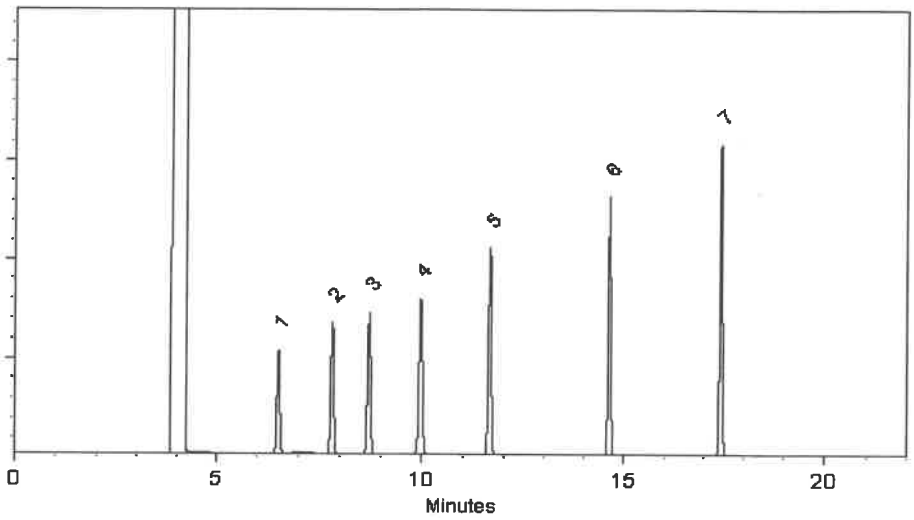
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

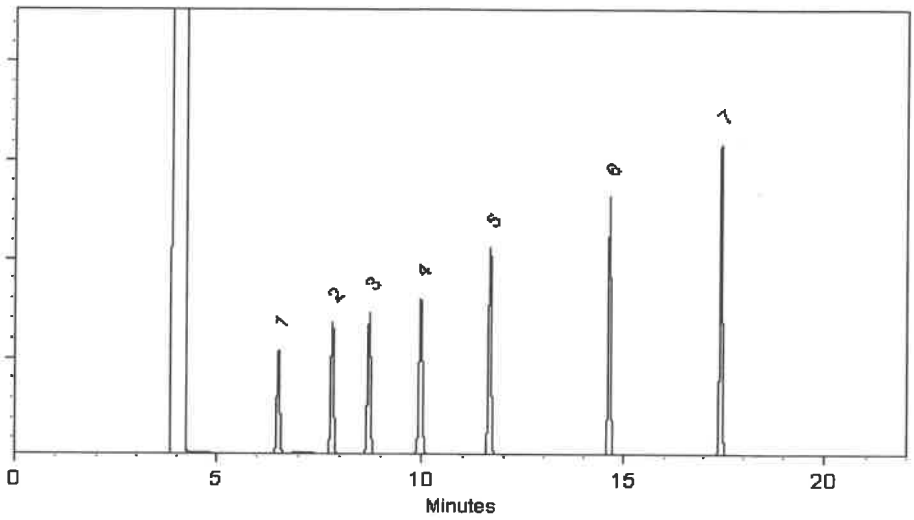
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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 of Analysis

gravimetric

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

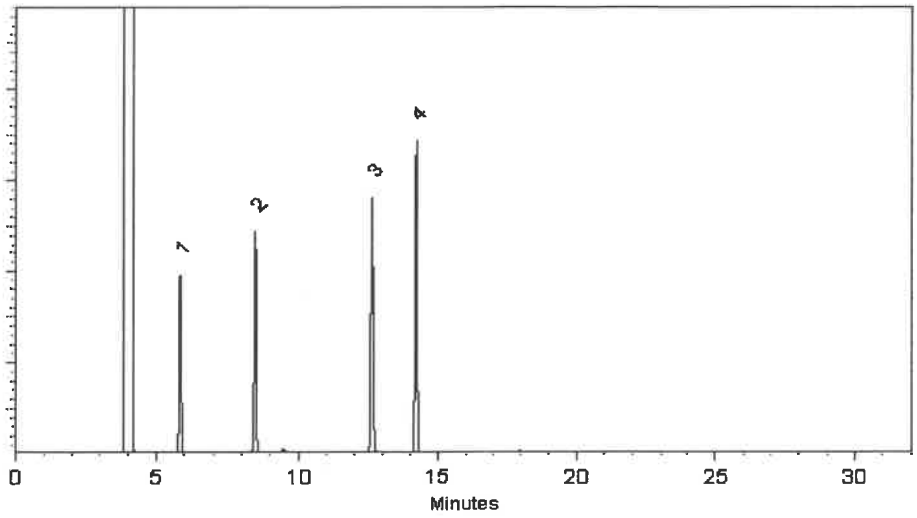
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

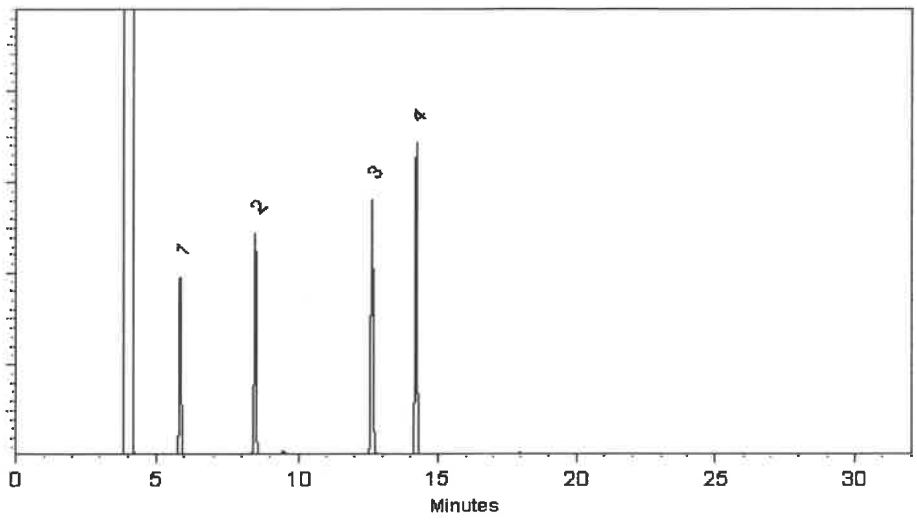
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
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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. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

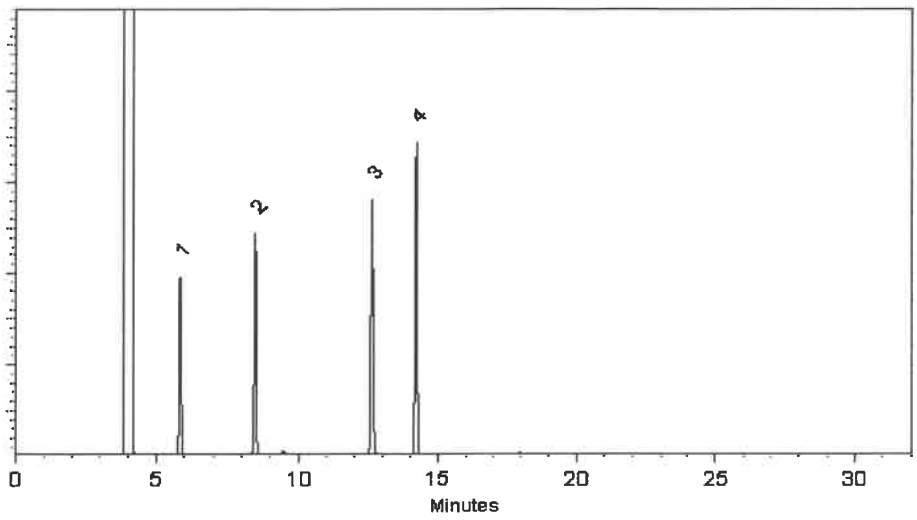
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

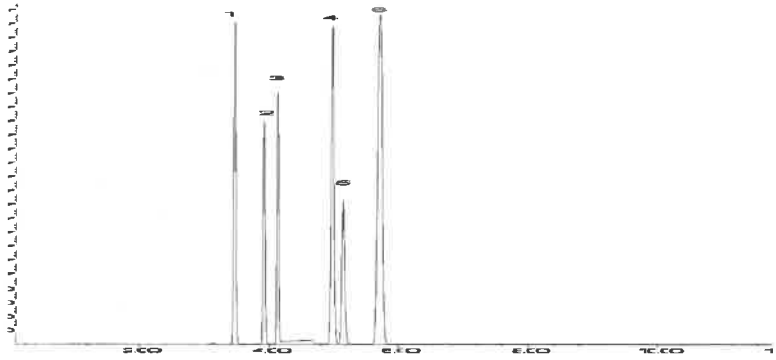
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

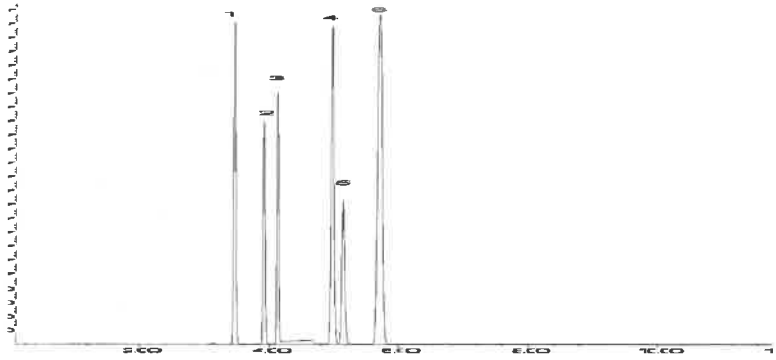
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

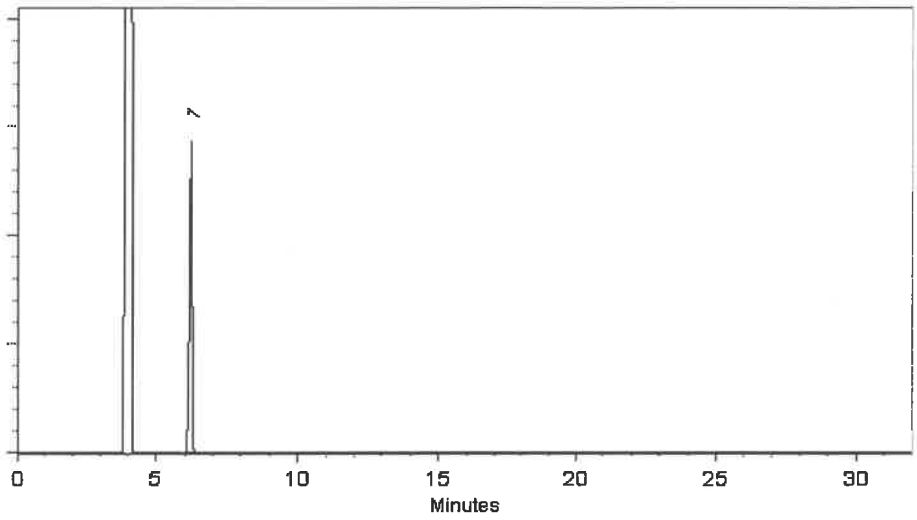
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Vinyl Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

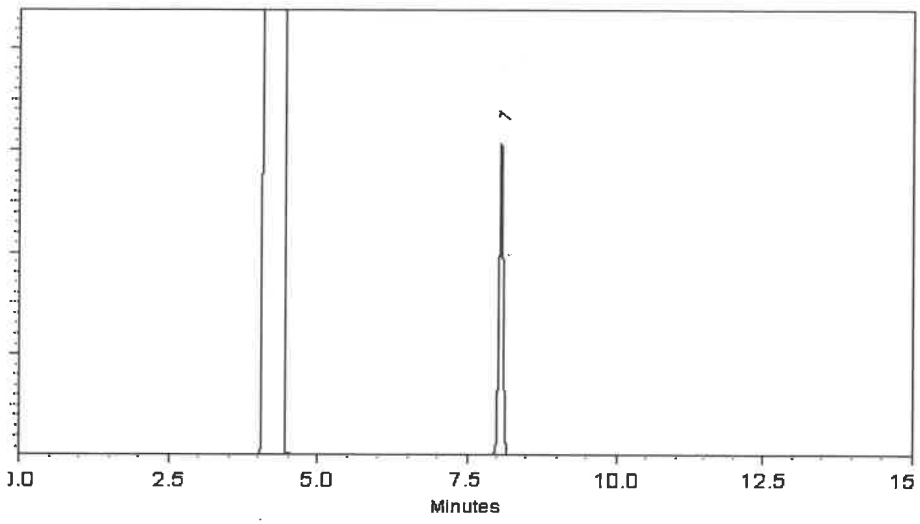
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

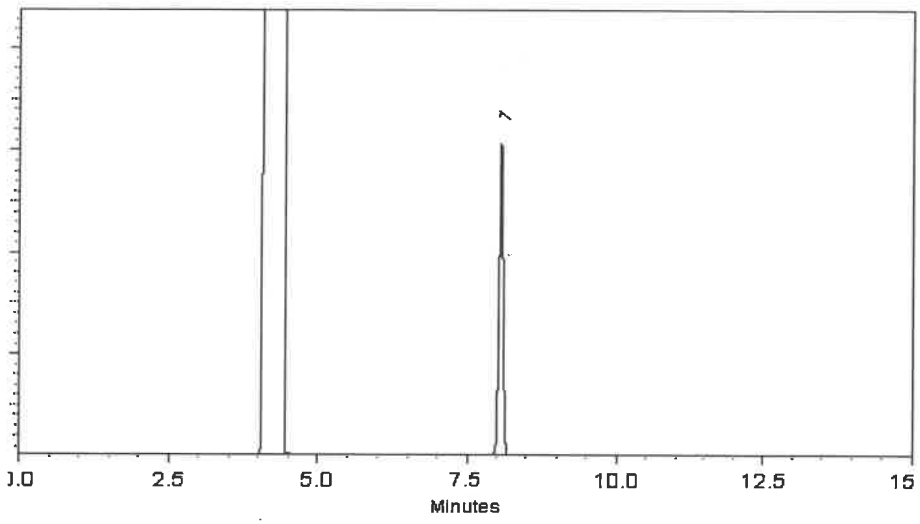
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

V14883
V14884

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. Q1582
COC Number 2041507

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60738872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PL.
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 NYSDEC EQUIS CAT B

ANALYSIS

VOCs 8260
1,4 DIOXANE SIM 8270

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								N/E	E								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RE117D1-20250313	GW		X	3-13-25	0910	3	2	1								
2.	TT180D1-20250313	GW		X		0915	3	2	1								
3.	TT180D2-20250313	GW		X		0915	3	2	1								
4.	TT180D3-20250313	GW		X		0915	3	2	1								
5.	FB02-20250313	DW		X		1130	3	2	1								
6.	RE131D1-20250313	GW		X		1130	3	2	1								
7.	RE131D2-20250313	GW		X		1130	3	2	1								
8.	RE131D3-20250313	GW		X		1115	3	2	1								
9.	TT119S1-20250313	GW		X		1310	3	2	1								
10.	RE114D1-20250313	GW		X		1025	3	2	1								

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

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER:	1206 3-14-25	1.
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:
3. RELINQUISHED BY SAMPLER:	1516 3-14-2025	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.1 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. Q1582
COC Number 2041508

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731873 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PL.
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 NYSDEC EQUIS EDD CAT B

ANALYSIS

1 VOCs 8260
2 1,4 DIOXANE SIM 8270
3
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	PRESERVATIVES 2	PRESERVATIVES 3	PRESERVATIVES 4	PRESERVATIVES 5	PRESERVATIVES 6	PRESERVATIVES 7	PRESERVATIVES 8	PRESERVATIVES 9	COMMENTS
								A/E	E								← Specify Preservatives
								1	2	3	4	5	6	7	8	9	A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	BPOW1-7-20250314	GW		X	3-14-25	0910	3	2	1								
2.	BPOW1-8-20250314	GW		X		0915	3	2	1								
3.	TT19D1-20250314	GW		X		1045	3	2	1								
4.	TT19D2-20250314	GW		X		1015	3	2	1								
5.	DUP06-20250314	GW		X		—	3	2	1								
6.	FB	DW		X	11-15-24	—	2	2									
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER:	3/14/25 1206	1.
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:
3. RELINQUISHED BY SAMPLER:	DATE/TIME: 3.14.1025 1516	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.2 °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1582 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/14/2025 1:09:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 3/14/2025 ~~12:00:00~~ AM 15:16
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP 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
Q1582-01	RE117D1-20250313	Water	03/13/2025	09:10					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-02	TT180D1-20250313	Water	03/13/2025	09:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-03	TT180D2-20250313	Water	03/13/2025	09:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-04	TT180D-20250313	Water	03/13/2025	09:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-05	FB02-20250313	Water	03/13/2025	11:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-06	RE131D1-20250313	Water	03/13/2025	11:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-07	RE131D2-20250313	Water	03/13/2025	11:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1582-08	RE131D3-20250313	Water	03/13/2025	11:15					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1582 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/14/2025 1:09:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/14/2025 ~~12:00:00~~ AM 15:16
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP 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
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-09	TT119S1-20250313	Water	03/13/2025	13:10					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-10	RE114D1-20250313	Water	03/13/2025	10:25					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-11	BPOW1-7-20250314	Water	~~03/13/2025~~ 03/14/2025	09:10					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-12	BPOW1-8-20250314	Water	~~03/13/2025~~ 03/14/2025	09:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-13	TT191D1-20250314	Water	~~03/13/2025~~ 03/14/2025	10:45					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-14	TT191D2-20250314	Water	~~03/13/2025~~ 03/14/2025	10:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1582-15	DUP06-20250314	Water	~~03/13/2025~~ 03/14/2025	00:00					
					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 : Q1582 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/14/2025 1:09:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/14/2025 ~~12:00:00 AM~~ 15:16
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP 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
Q1582-16	FB	Water	~~03/13/2025~~ 03/14/2025	00:00	VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 3-14-2025 1615

Received By : [signature]
Date / Time : 03/14/25 16:15 MH 4

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	2512	1.537	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	3.080%#			
35) Dibromofluoromethane	5.391	113	1752	1.389	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.780%#			
50) Toluene-d8	8.653	98	5691	1.244	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.480%#			
62) 4-Bromofluorobenzene	11.085	95	1685	1.112	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.220%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l		90
3) Chloromethane	1.301	50	1552	0.975	ug/l		91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l	#	85
5) Bromomethane	1.593	94	824	1.335	ug/l		99
6) Chloroethane	1.673	64	1228	1.591	ug/l	#	74
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l		97
8) Diethyl Ether	2.130	74	835	1.045	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l		87
10) Methyl Iodide	2.447	142	1156	0.775	ug/l	#	96
11) Tert butyl alcohol	2.941	59	5356	17.299	ug/l	#	73
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l		92
13) Acrolein	2.239	56	1756	4.906	ug/l		98
14) Allyl chloride	2.660	41	2343	1.055	ug/l		93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l		99
16) Acetone	2.380	43	4259	5.635	ug/l		100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l	#	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l		91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l		98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l		91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l	#	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l		97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l	#	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l		96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l	#	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l	#	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l	#	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l	#	34
30) Chloroform	5.093	83	2478	0.978	ug/l		92
31) Cyclohexane	5.465	56	1875	0.843	ug/l		90
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l	#	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l	#	84
37) Ethyl Acetate	4.739	43	1582	0.703	ug/l	#	70
38) Carbon Tetrachloride	5.660	117	588	0.332	ug/l	#	81
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l		88
40) Benzene	6.031	78	4984	0.907	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.958	41	912	0.748	ug/l	#	80
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82
46) Dibromomethane	7.586	93	891	0.897	ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l	#	85
48) Methyl methacrylate	7.714	41	1125	0.699	ug/l	#	61
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l		95
52) Toluene	8.720	92	2700	0.841	ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l		97
69) o-Xylene	10.640	106	1949	0.891	ug/l		95
70) Styrene	10.665	104	2810	0.802	ug/l		97
71) Bromoform	10.799	173	667	0.768	ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1878	1.246	ug/l		86
77) Bromobenzene	11.201	156	1166	0.972	ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l		94
81) trans-1,4-Dichloro-2-b...	11.031	75	285	0.646	ug/l	#	81
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l		96
88) 1,4-Dichlorobenzene	11.976	146	1948	0.900	ug/l		97
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l		93
90) Hexachloroethane	12.536	117	609	0.805	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l		94
95) Naphthalene	13.780	128	3337	0.707	ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

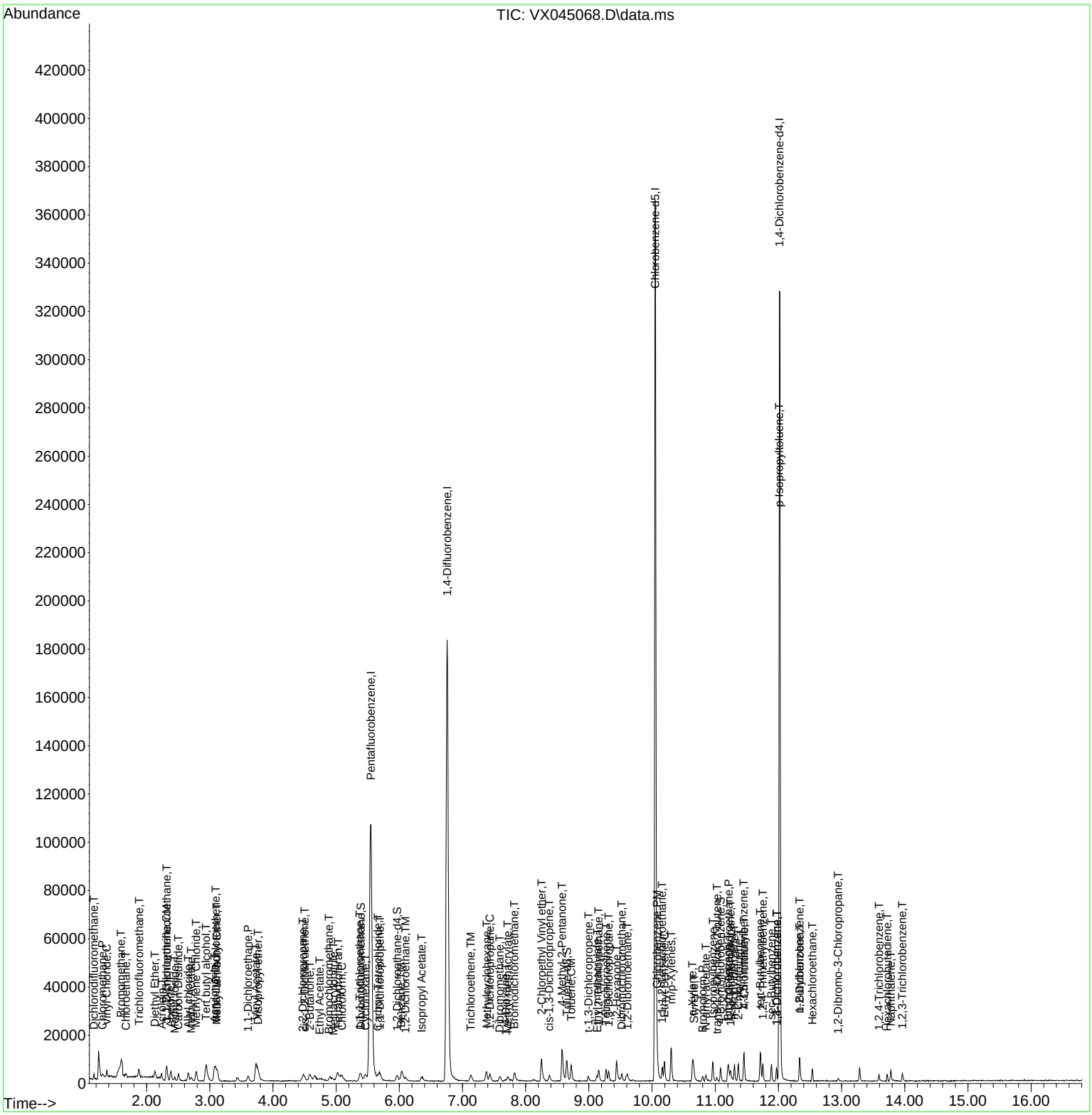
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

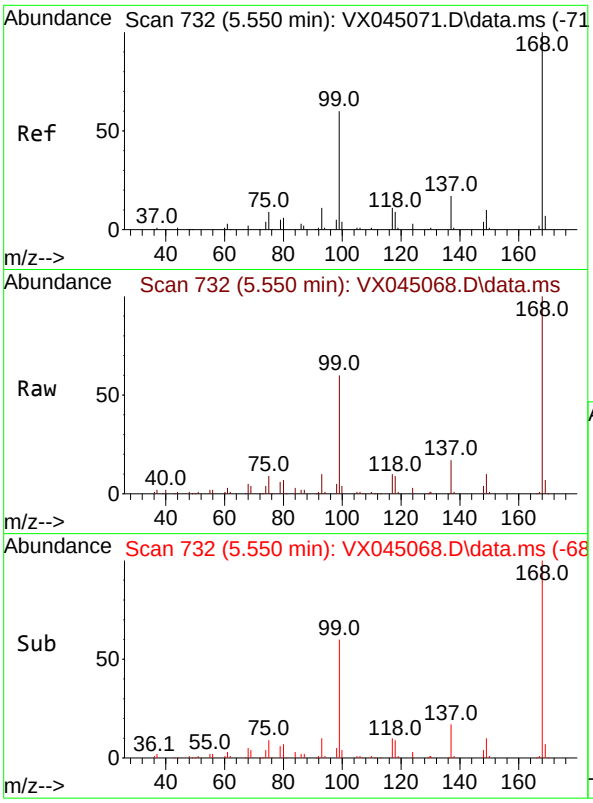
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration



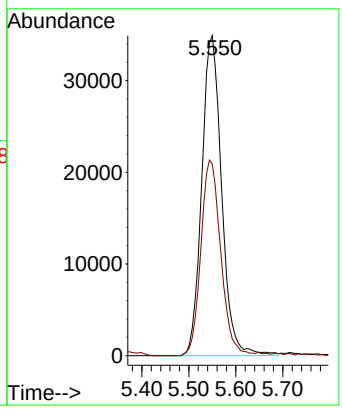


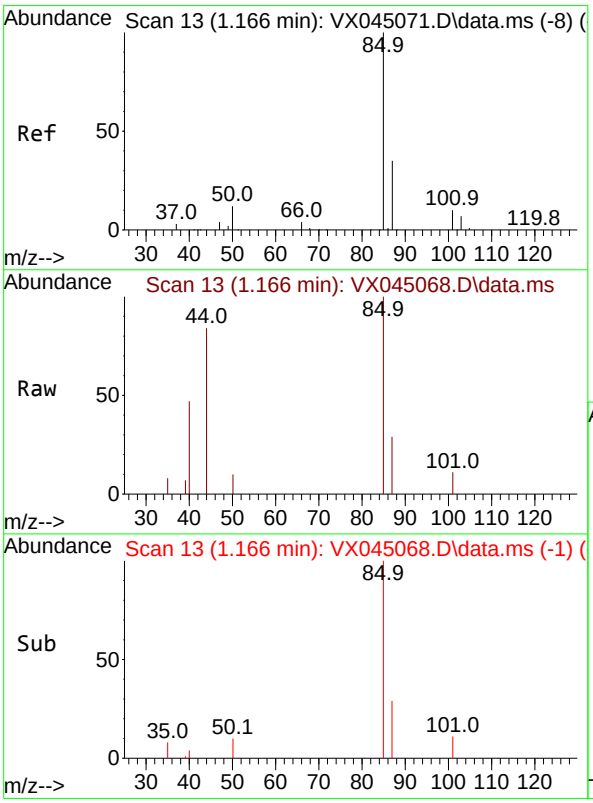
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 102761

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4

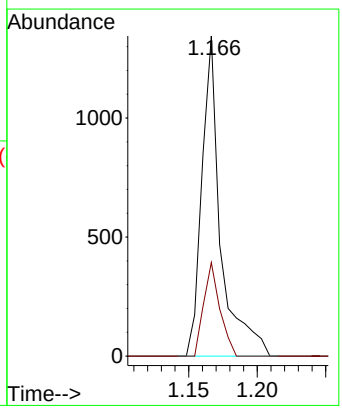


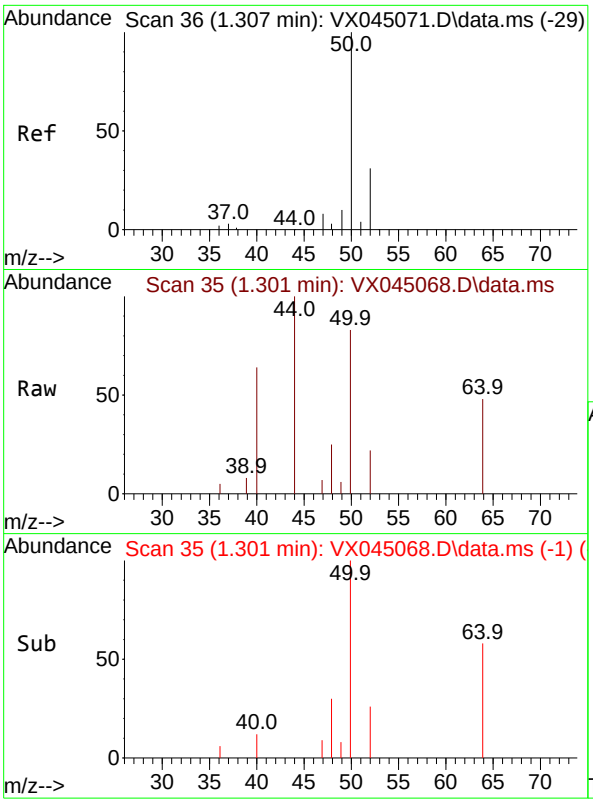


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3



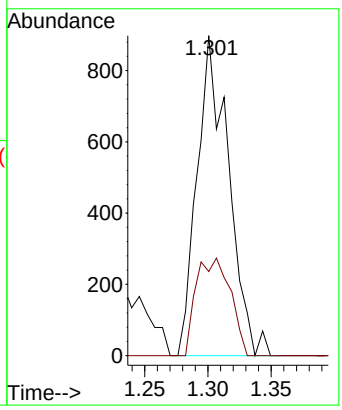


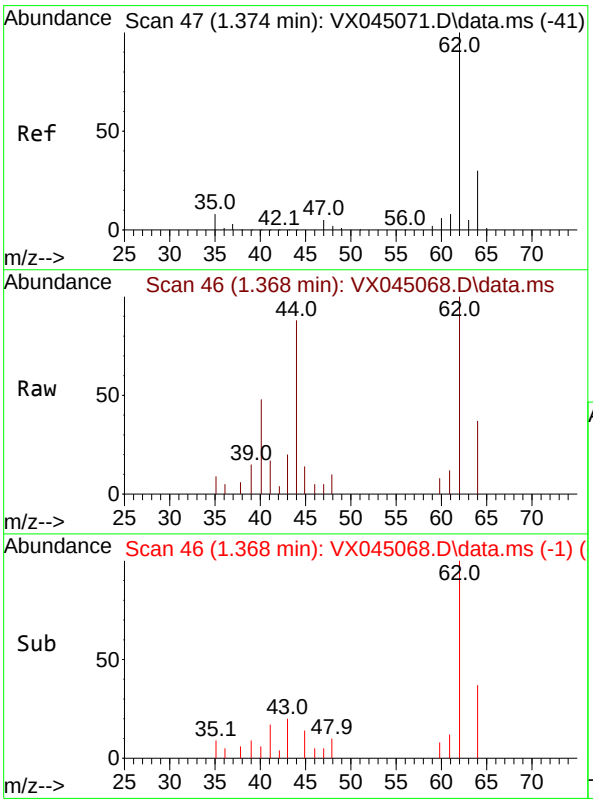
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1552

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4

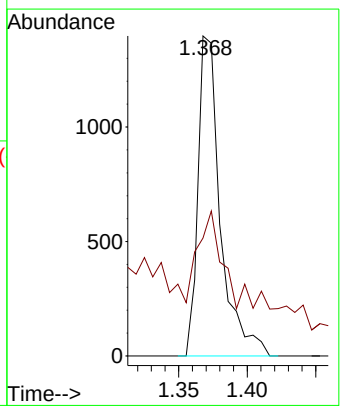


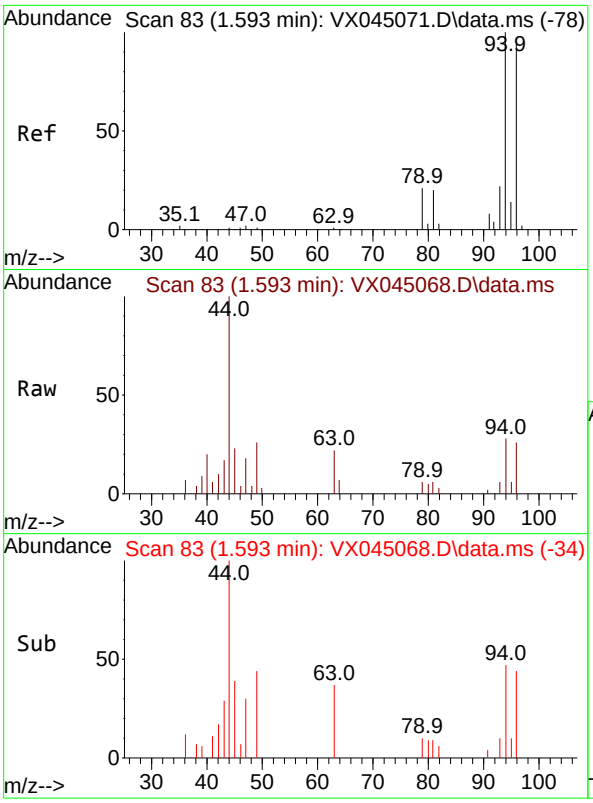


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#



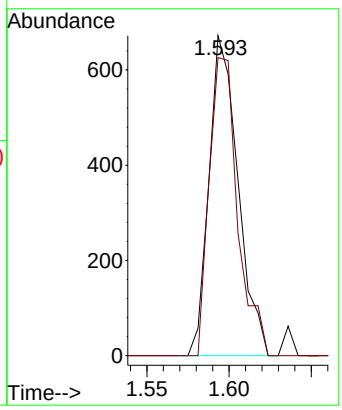


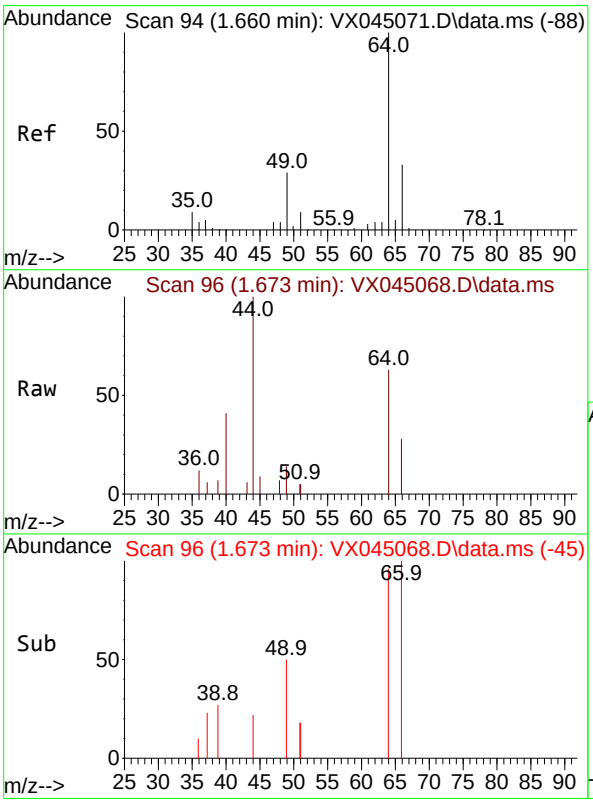
#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 824

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.0	112.4

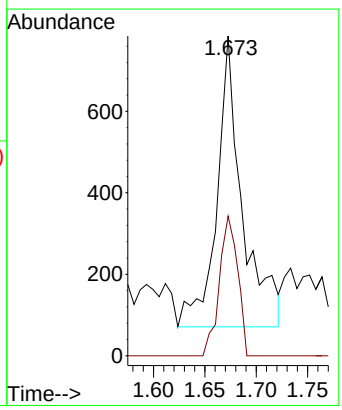


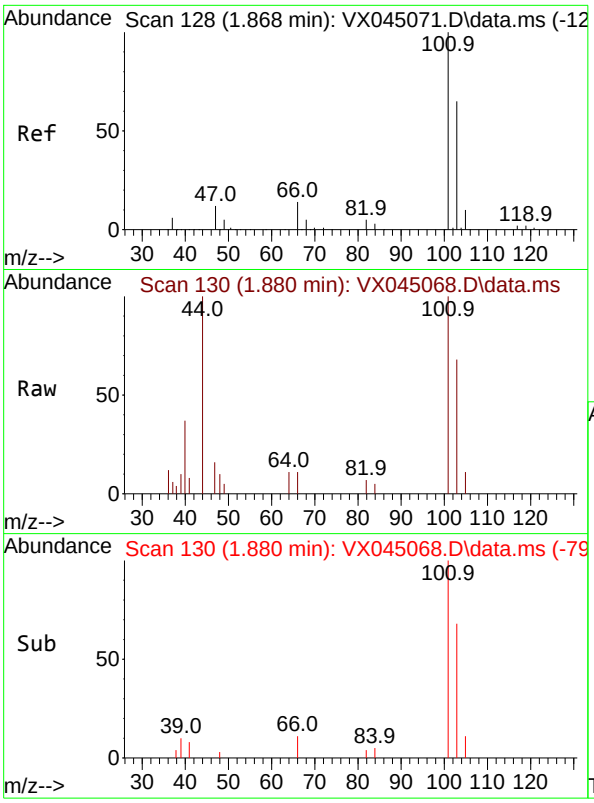


#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228

Ion	Ratio	Lower	Upper
64	100		
66	48.0	26.7	40.1#



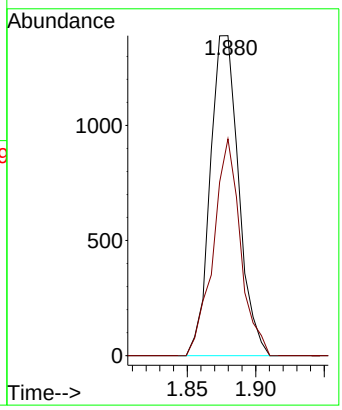


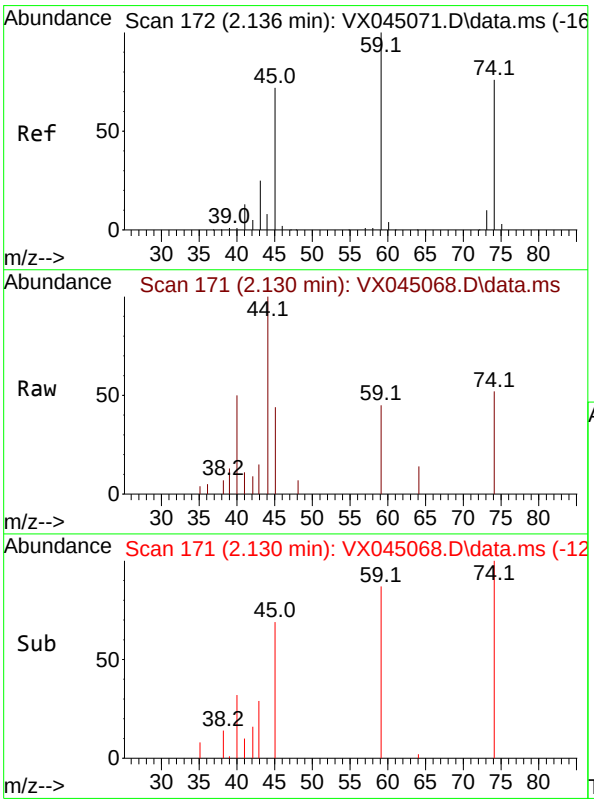
#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

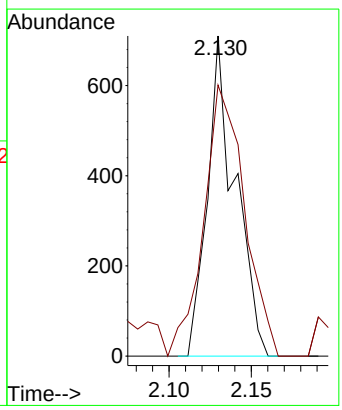


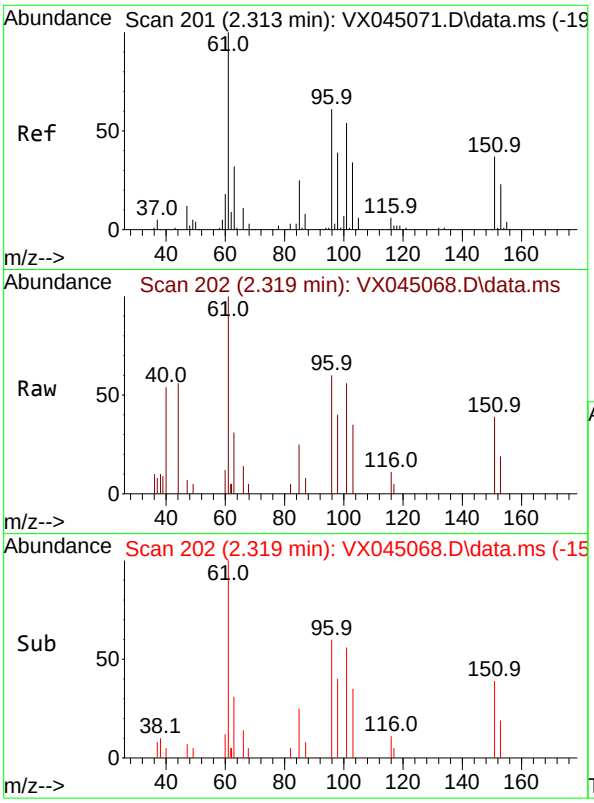


#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



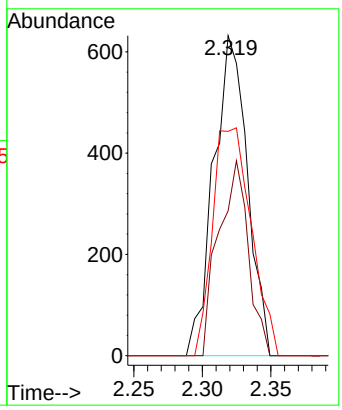


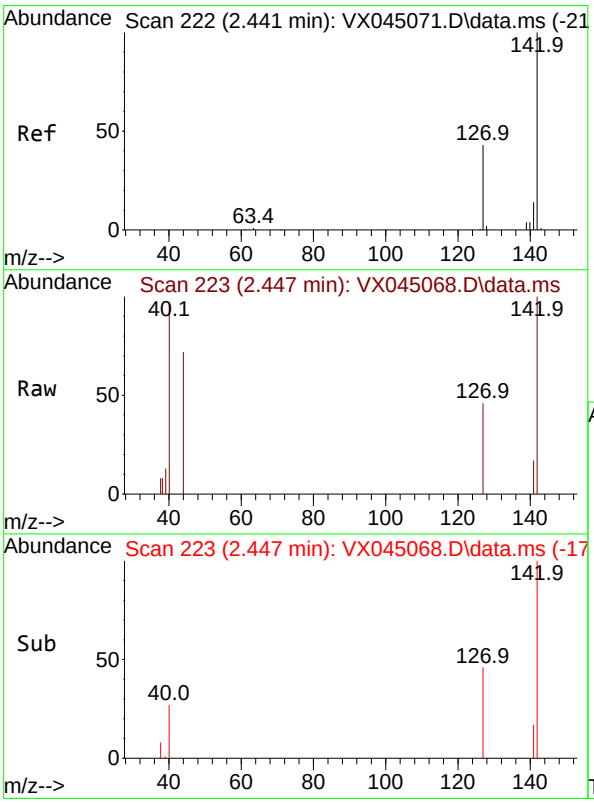
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

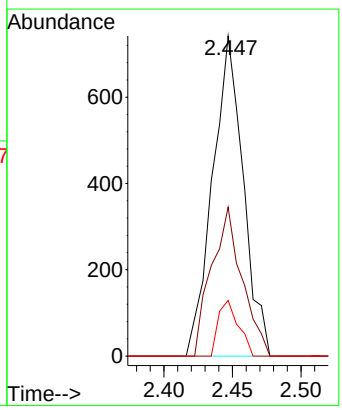


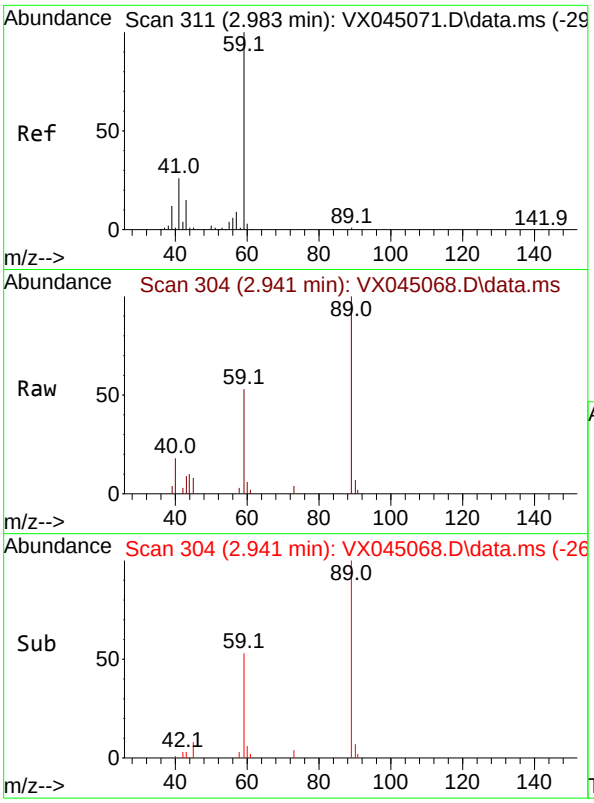


#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:142 Resp: 1156

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	11.3	11.6	17.4#



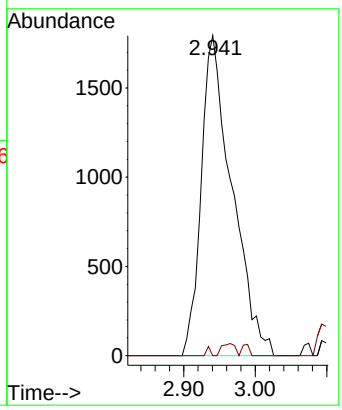


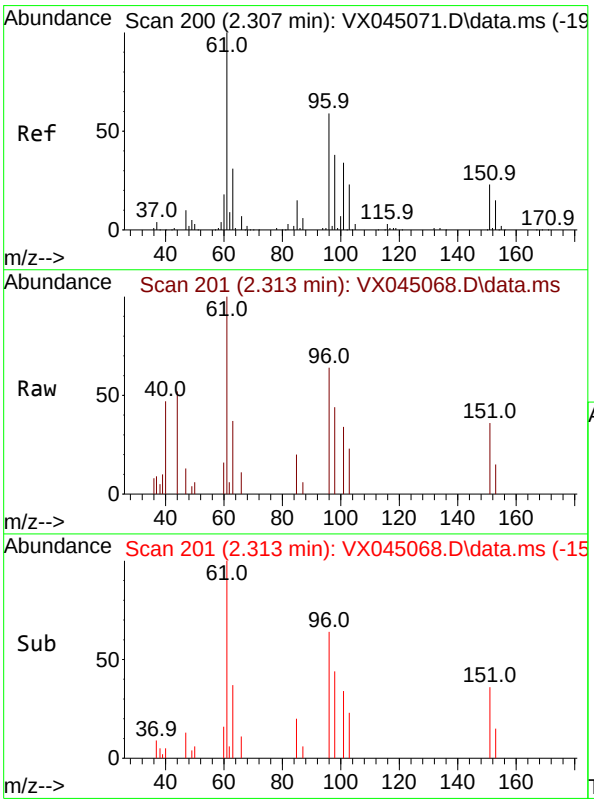
#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 5356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

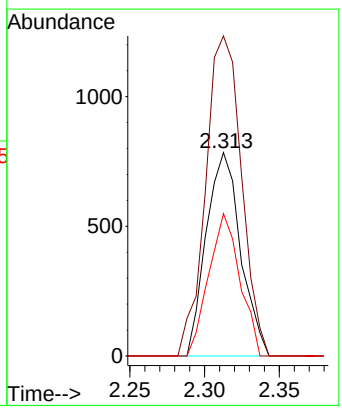


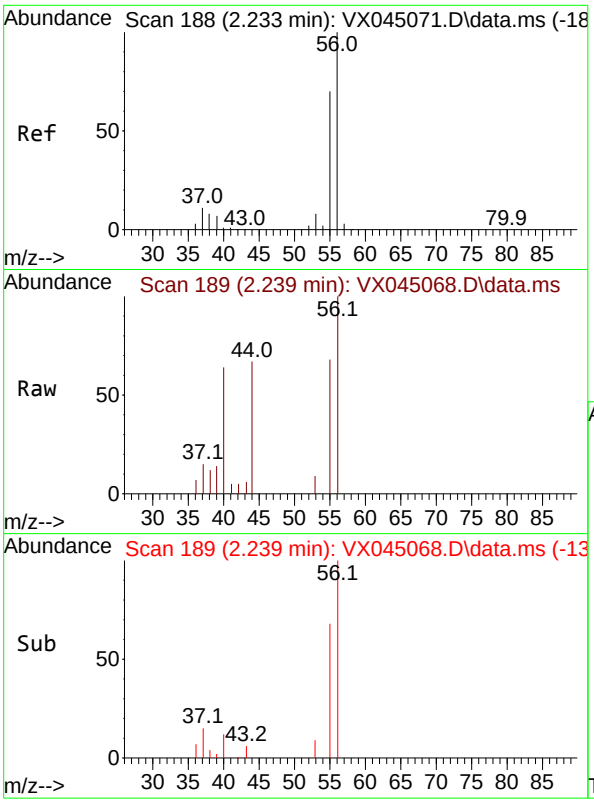


#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 1251

Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



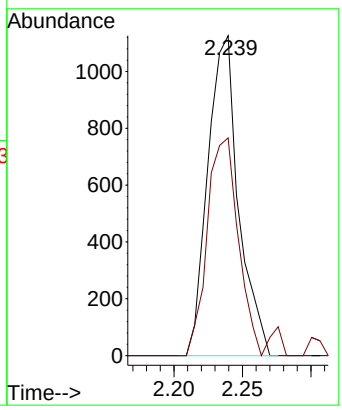


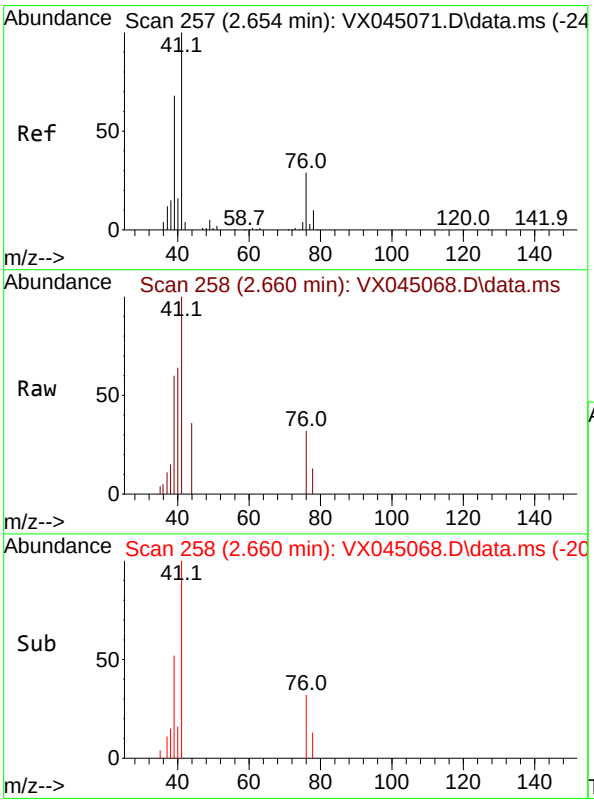
#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1756

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

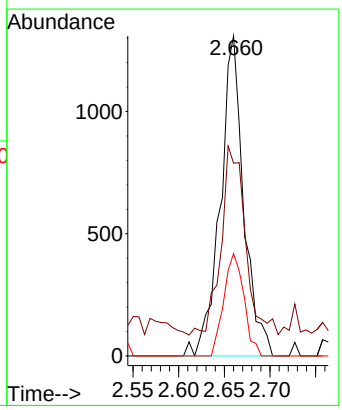


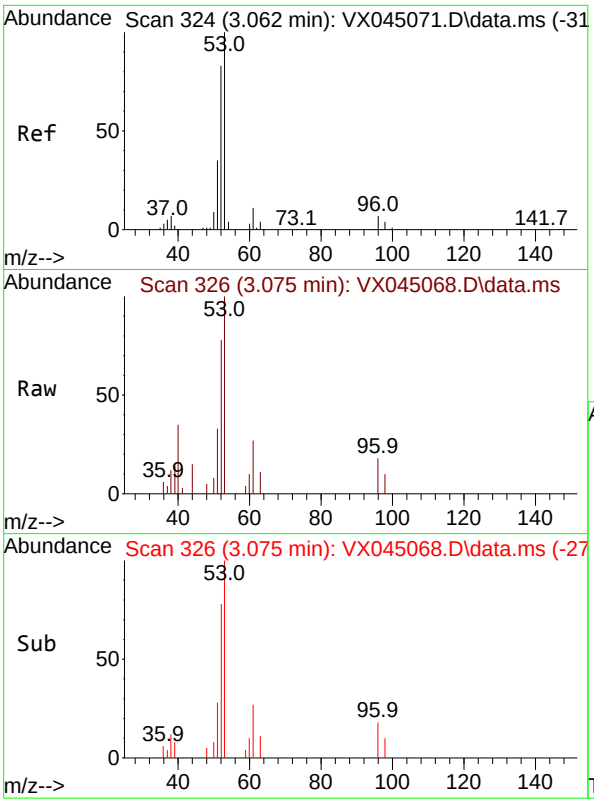


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8



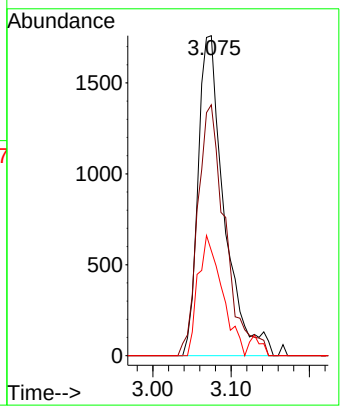


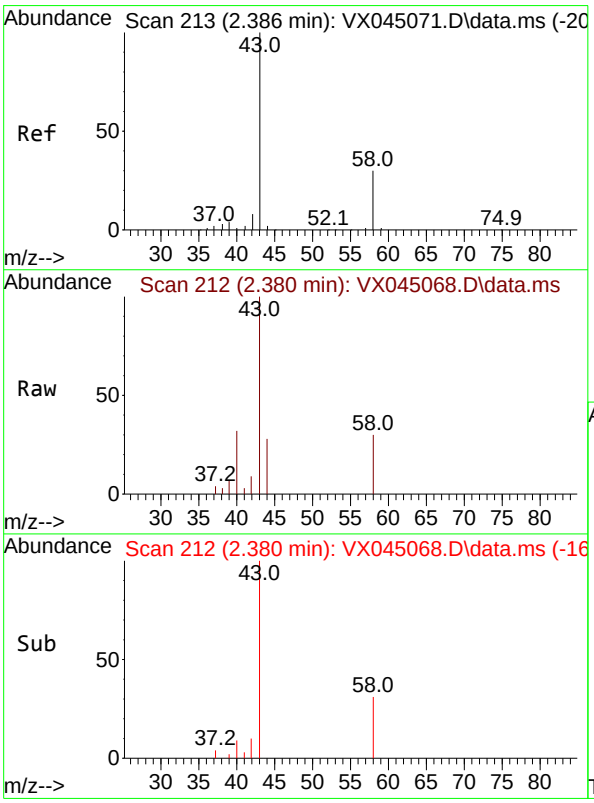
#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4067

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4

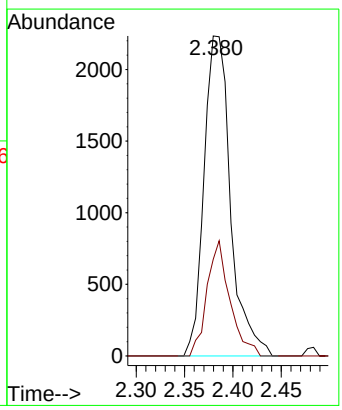


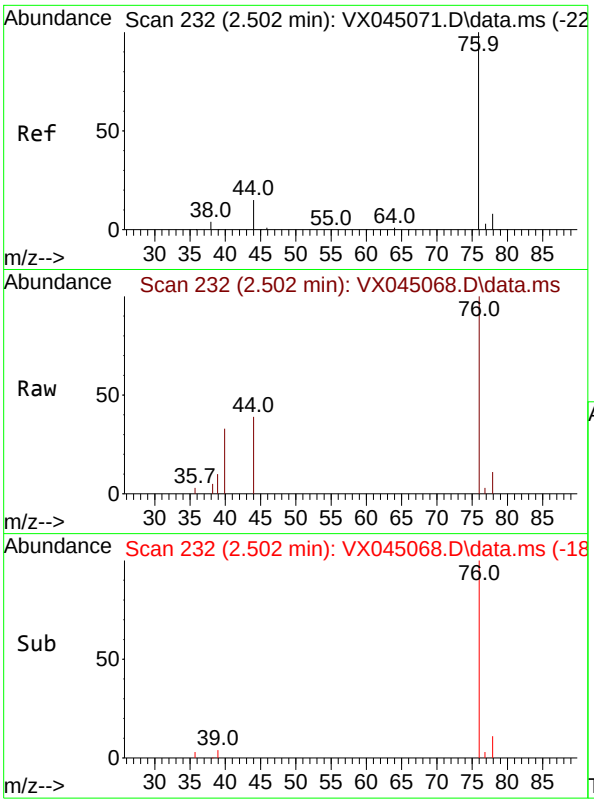


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



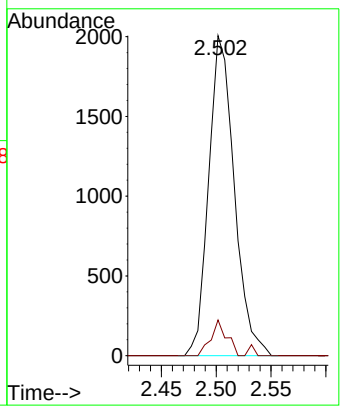


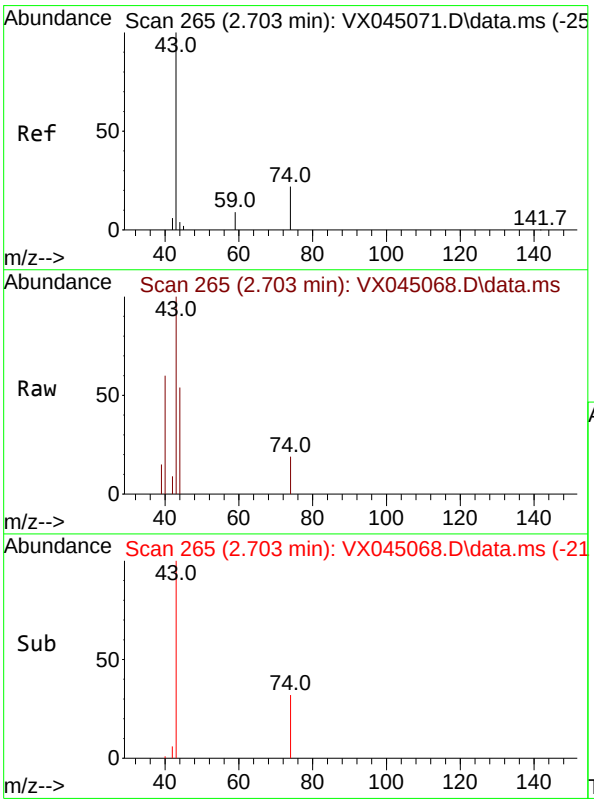
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3256

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8#

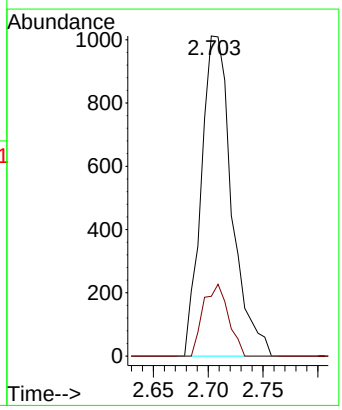


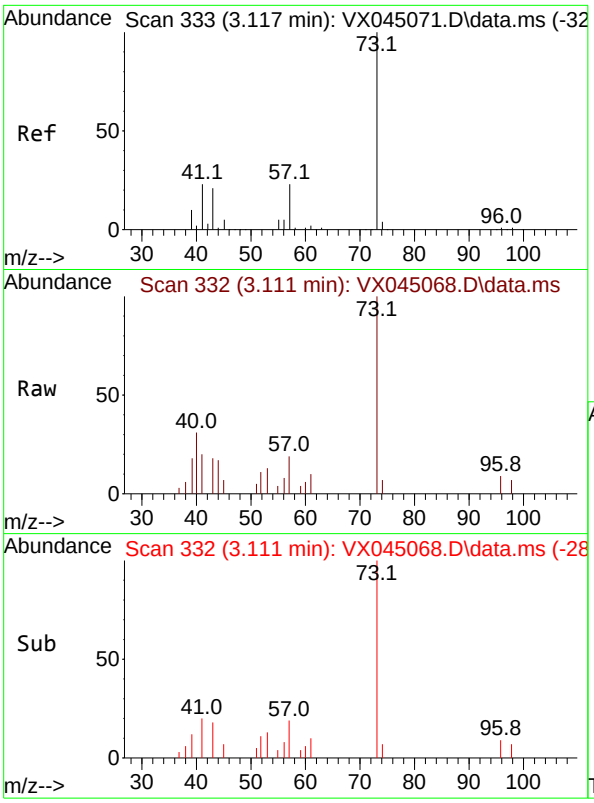


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2



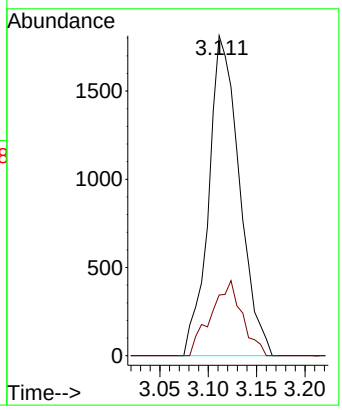


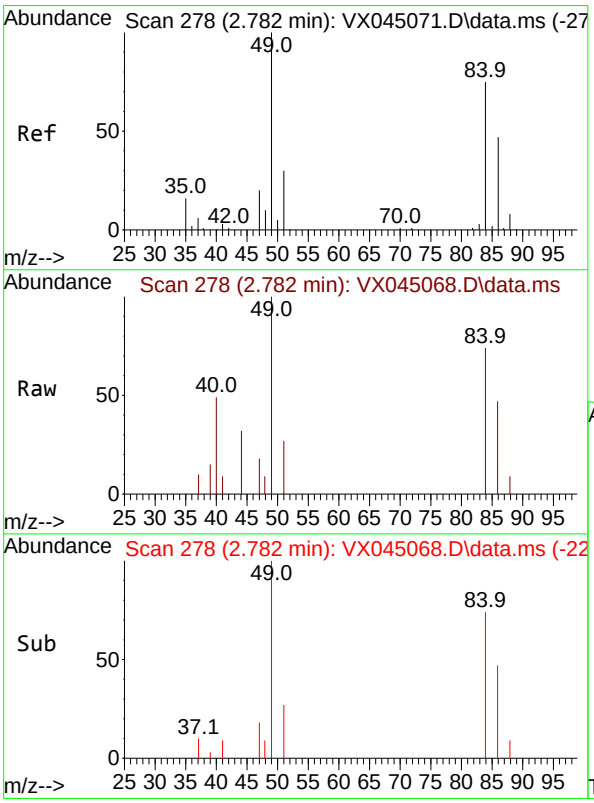
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4017

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

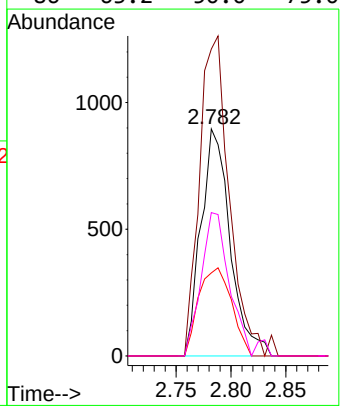


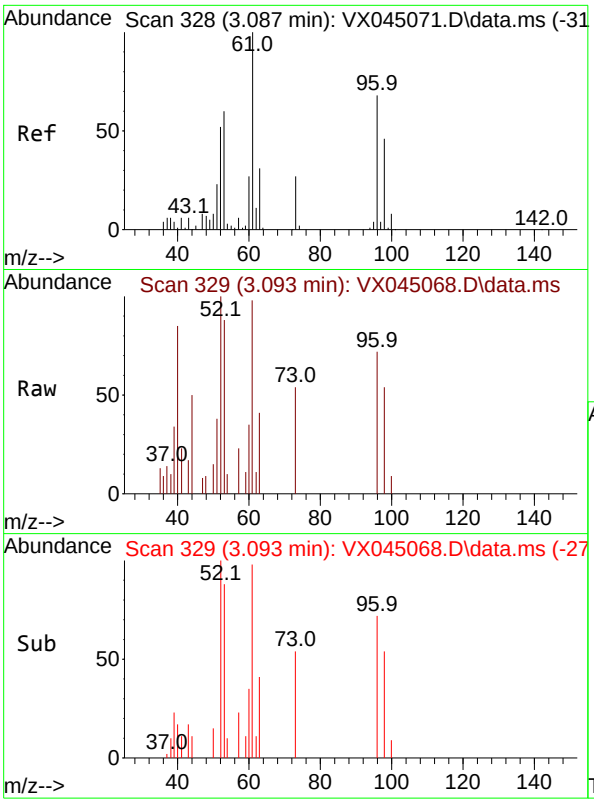


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0



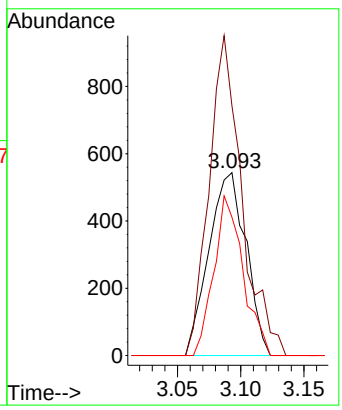


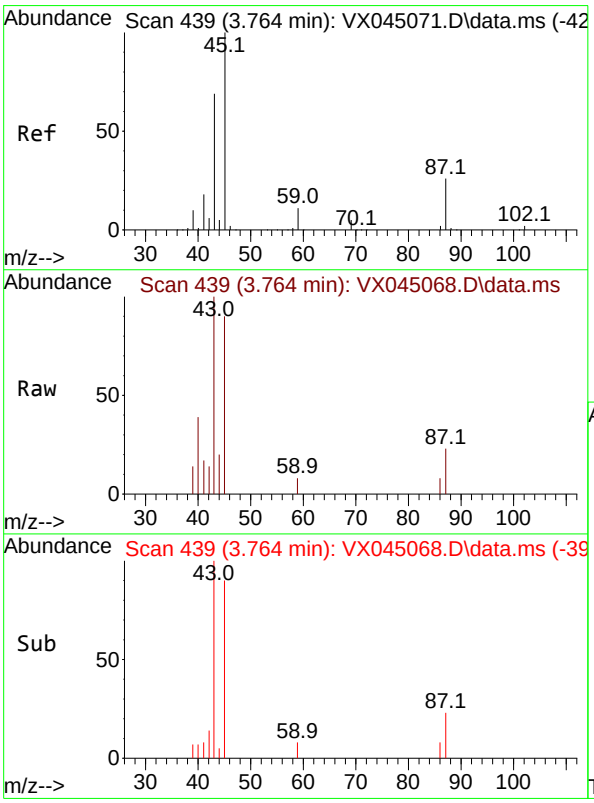
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1109

Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2

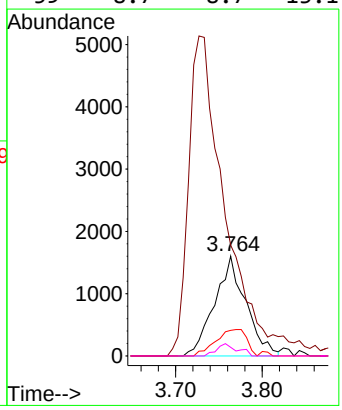


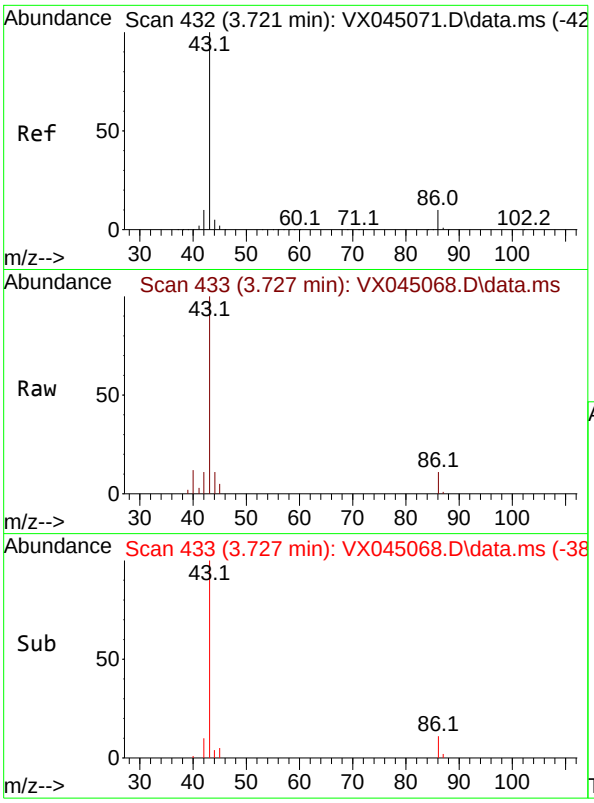


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1



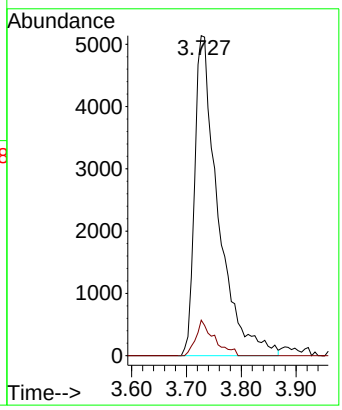


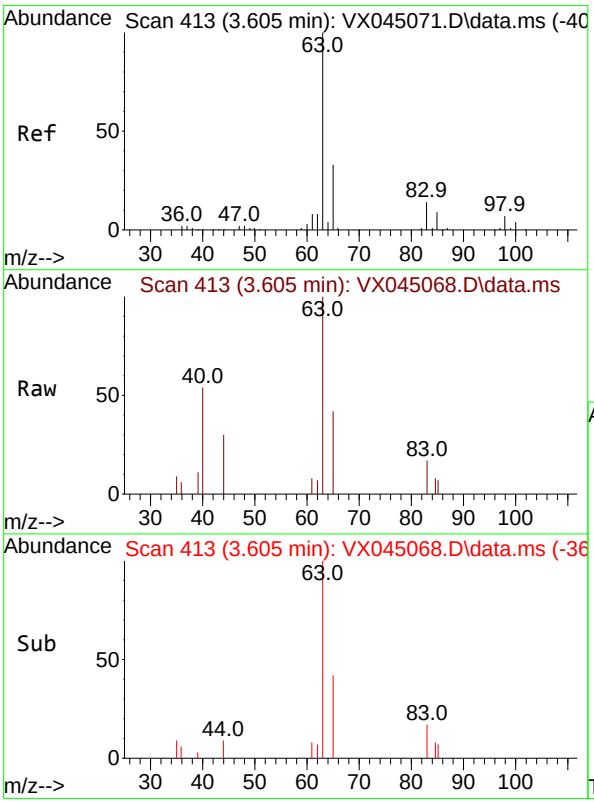
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

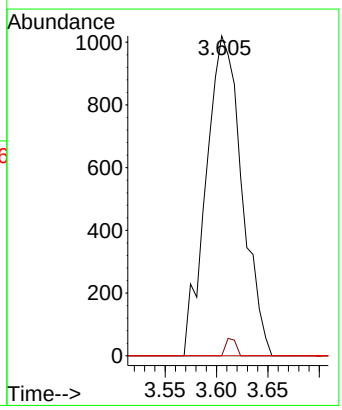


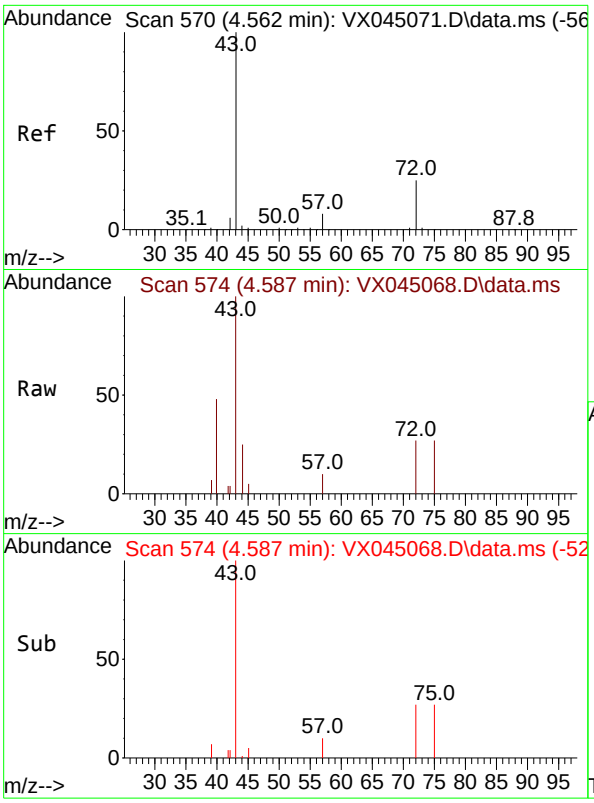


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#



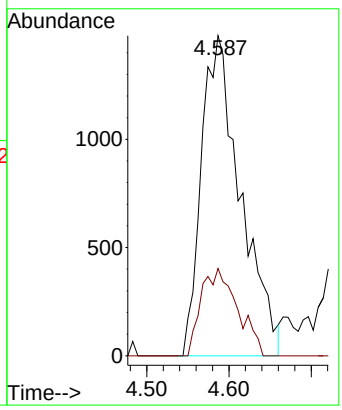


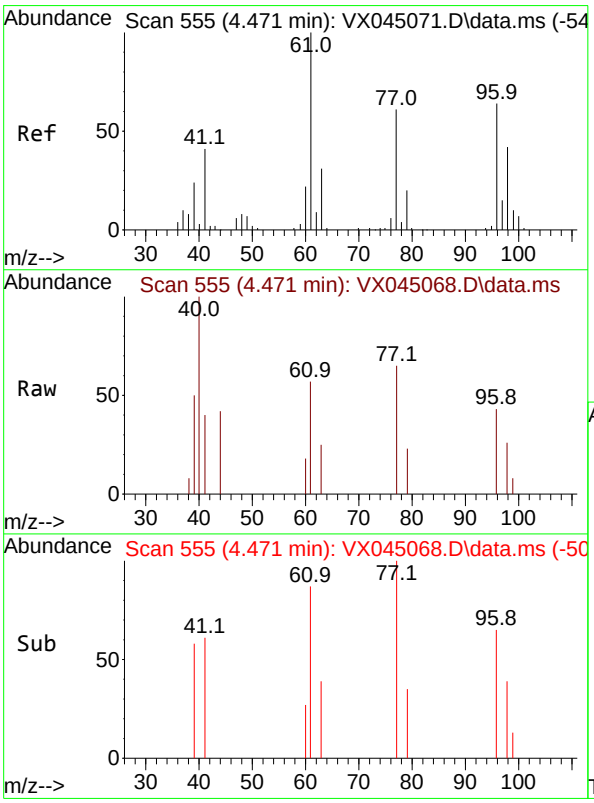
#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

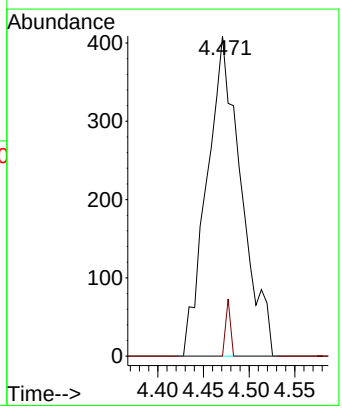


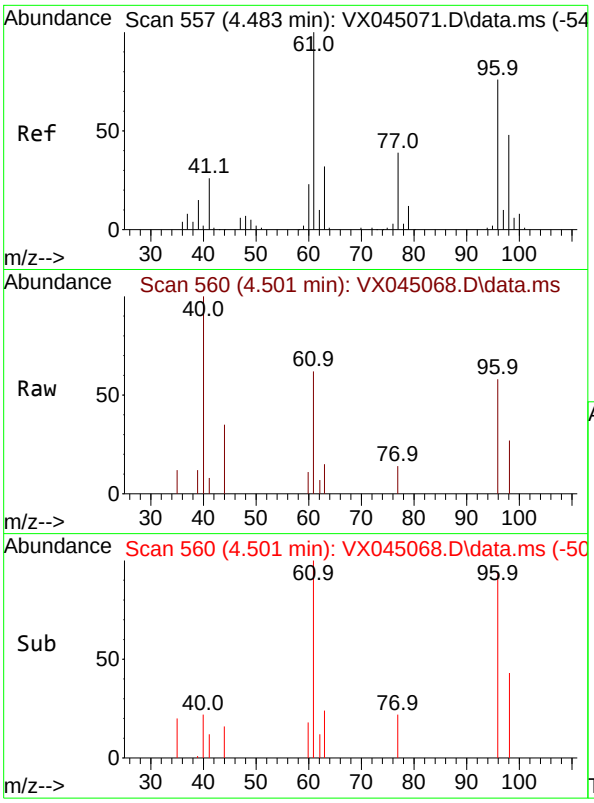


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#



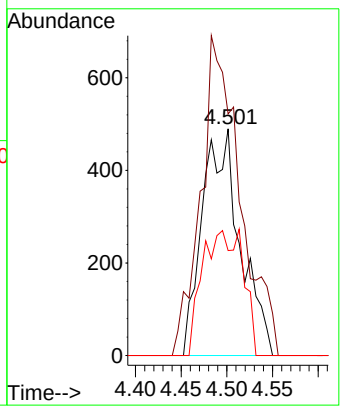


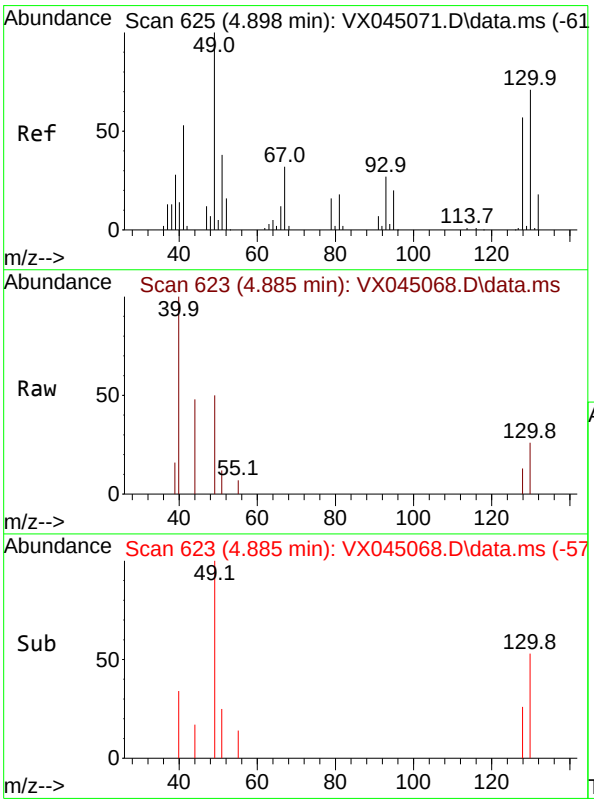
#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1412

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0

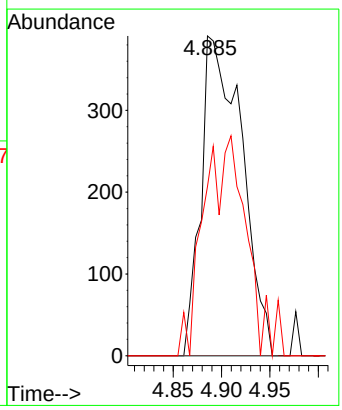


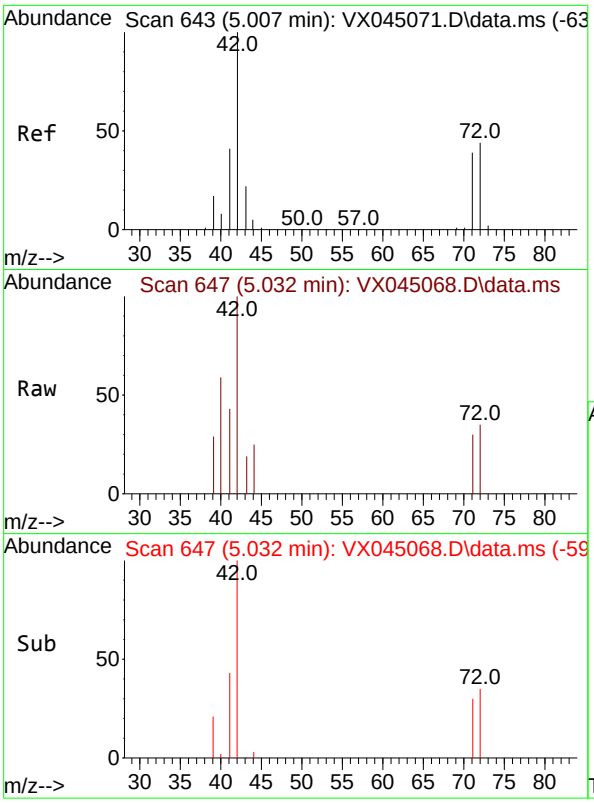


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#



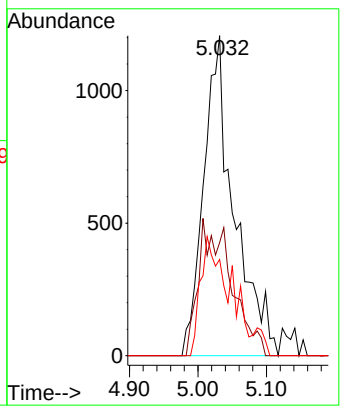


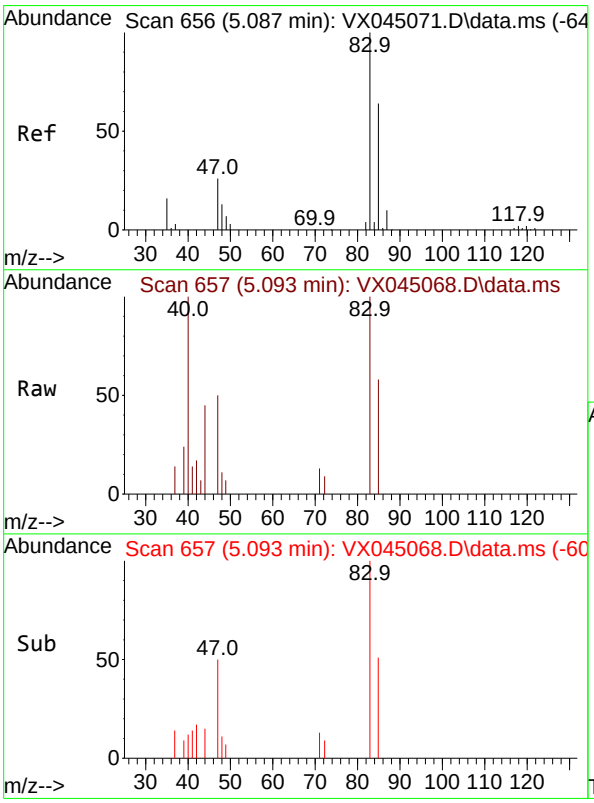
#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3719

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

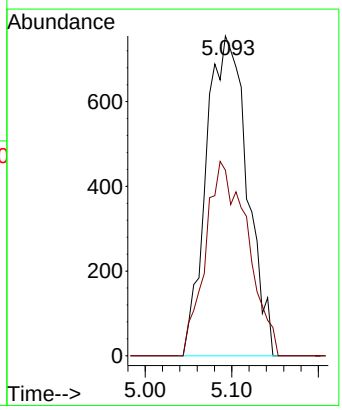


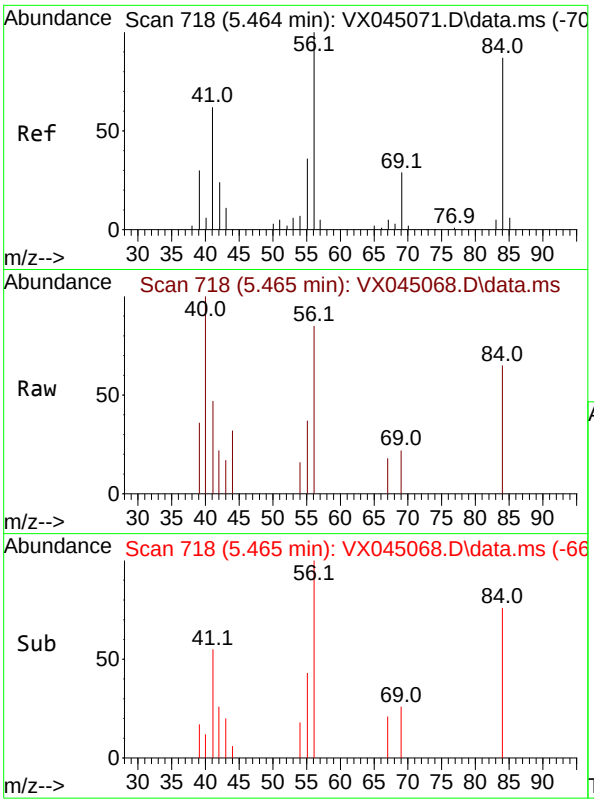


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2



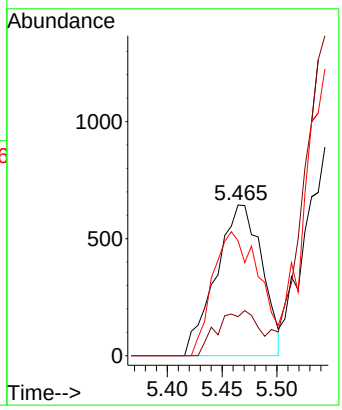


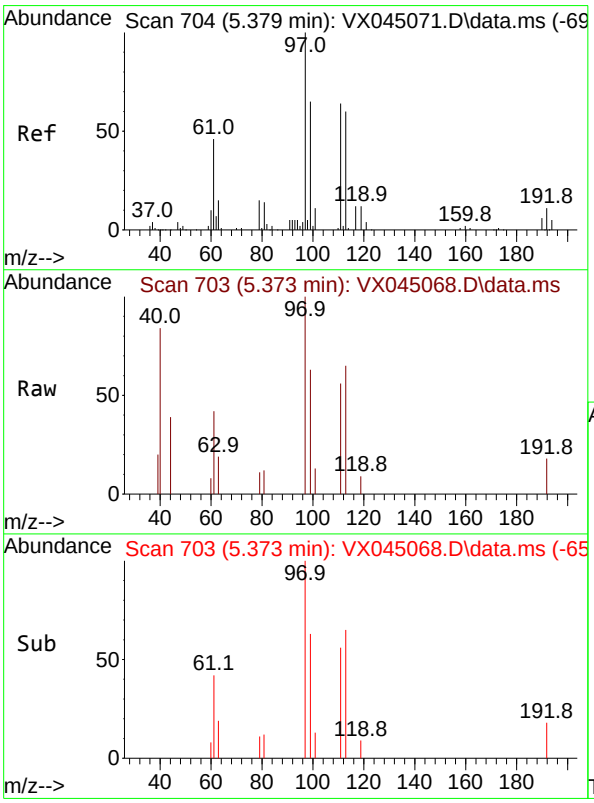
#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1875

Ion	Ratio	Lower	Upper
56	100		
69	25.9	23.4	35.2
84	76.2	69.4	104.2

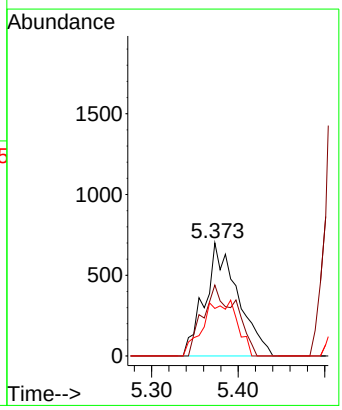


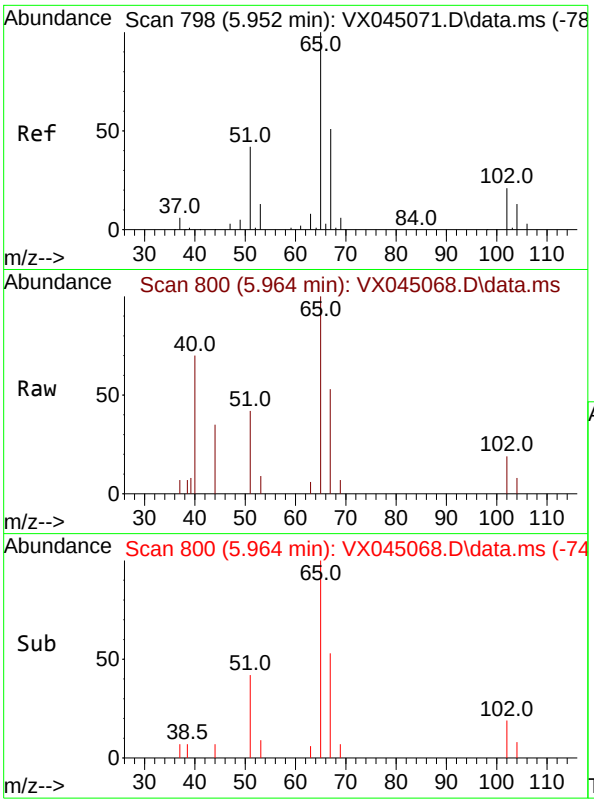


#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1867

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6



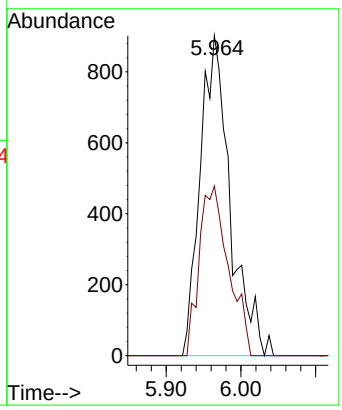


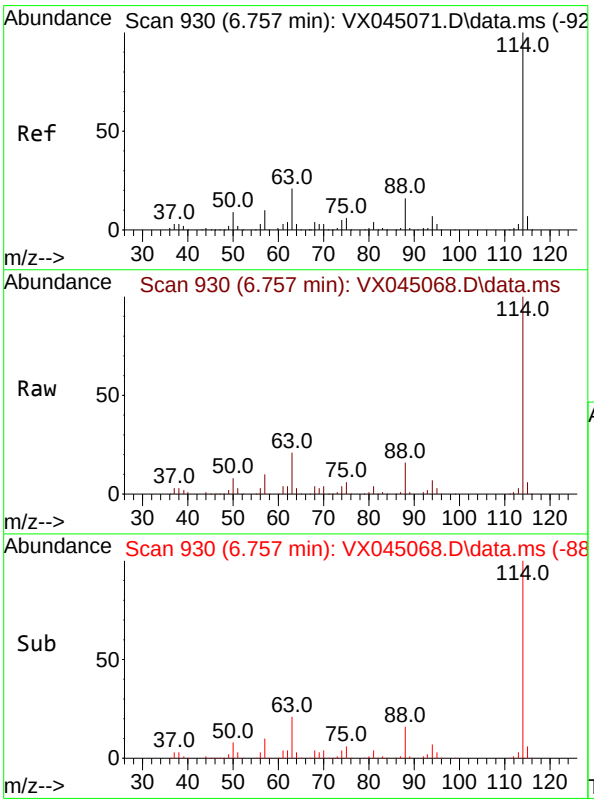
#33
1,2-Dichloroethane-d4
Concen: 1.537 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

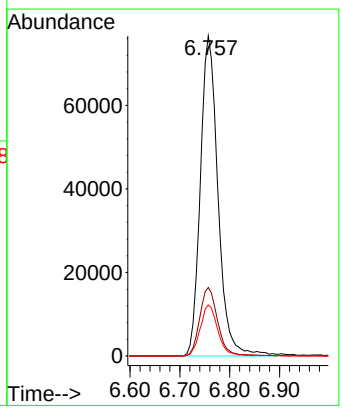


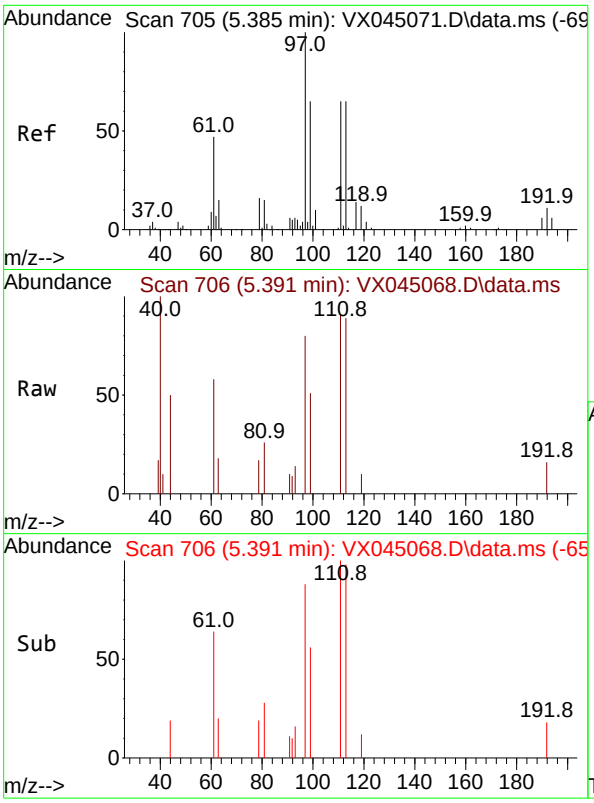


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 188642

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8



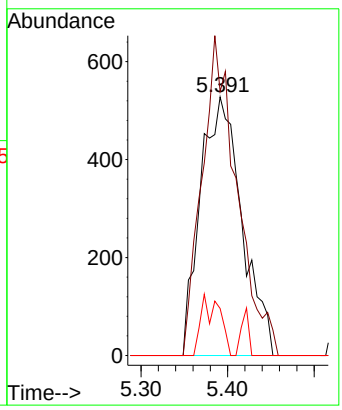


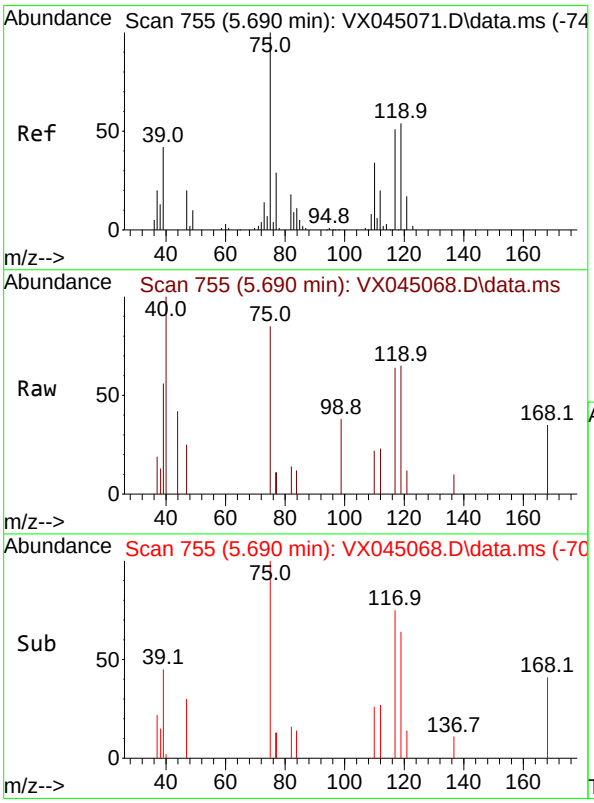
#35
Dibromofluoromethane
Concen: 1.389 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1752

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.6
192	5.1	14.3	21.5#

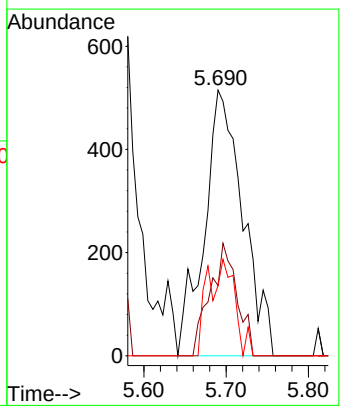


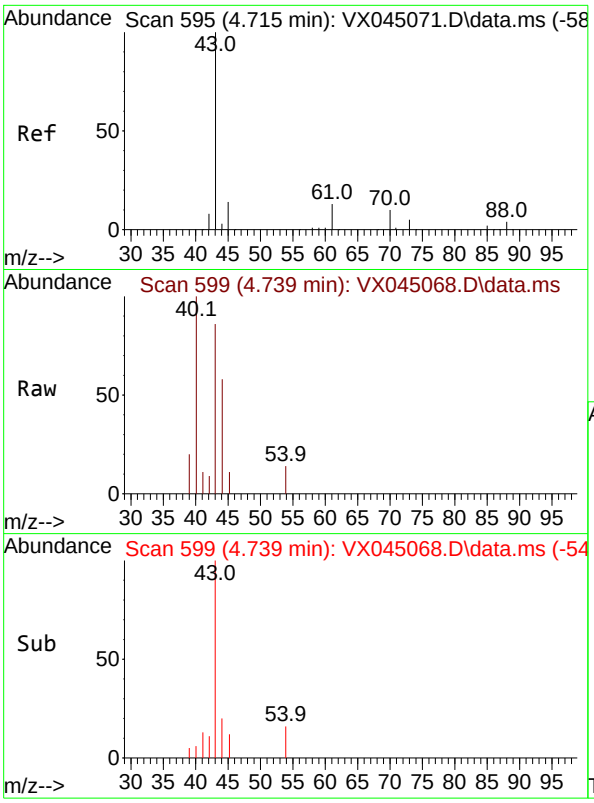


#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1681

Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



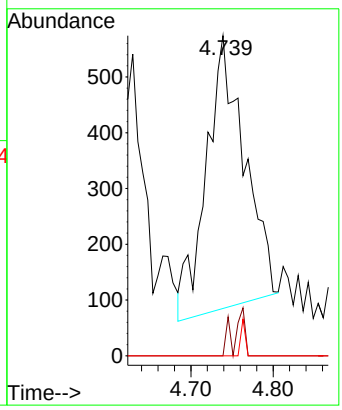


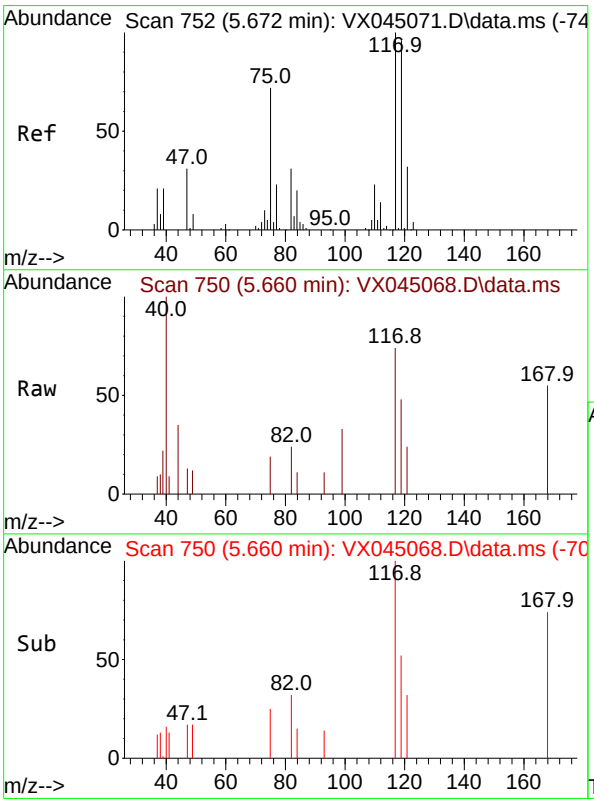
#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1582

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

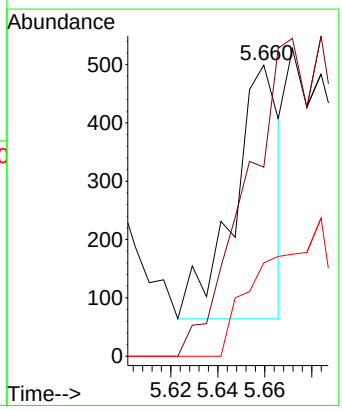


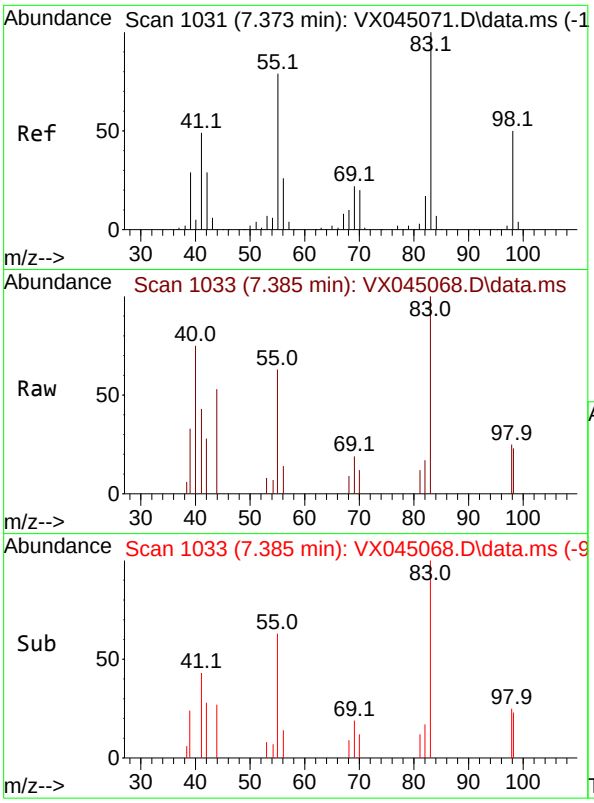


#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 588

Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.7	115.1#
121	36.8	25.5	38.3



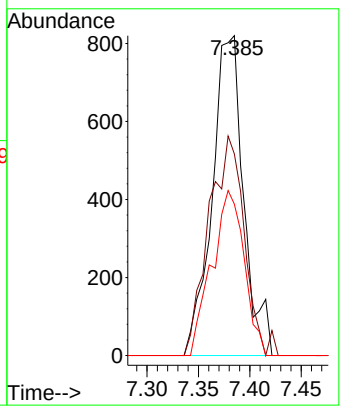


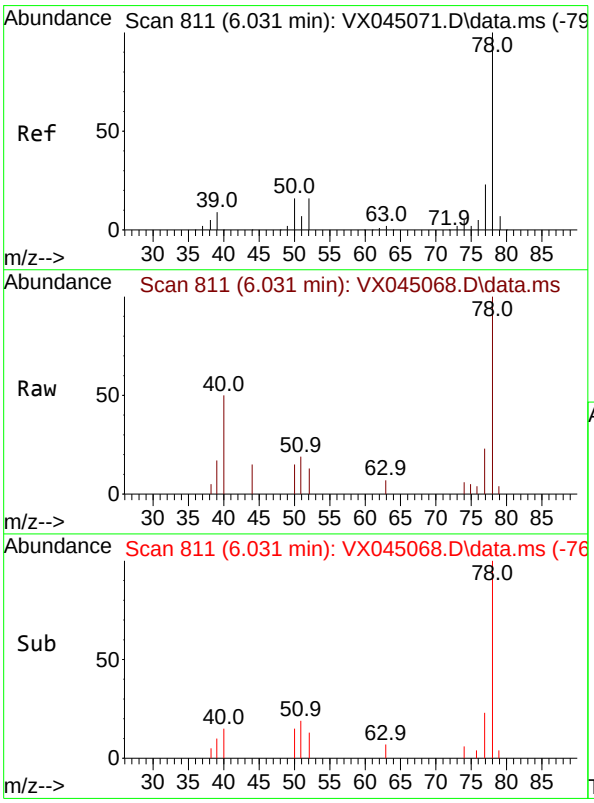
#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

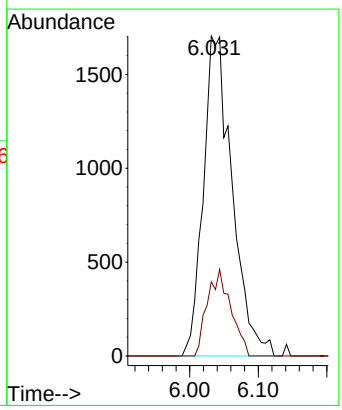


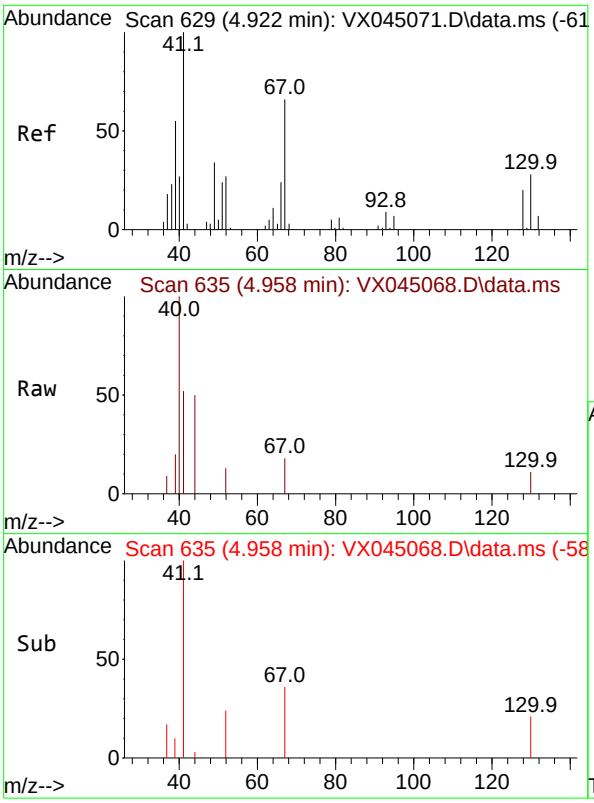


#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 4984

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



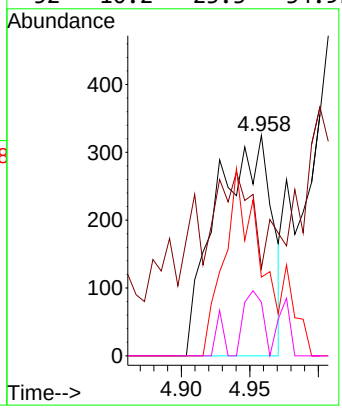


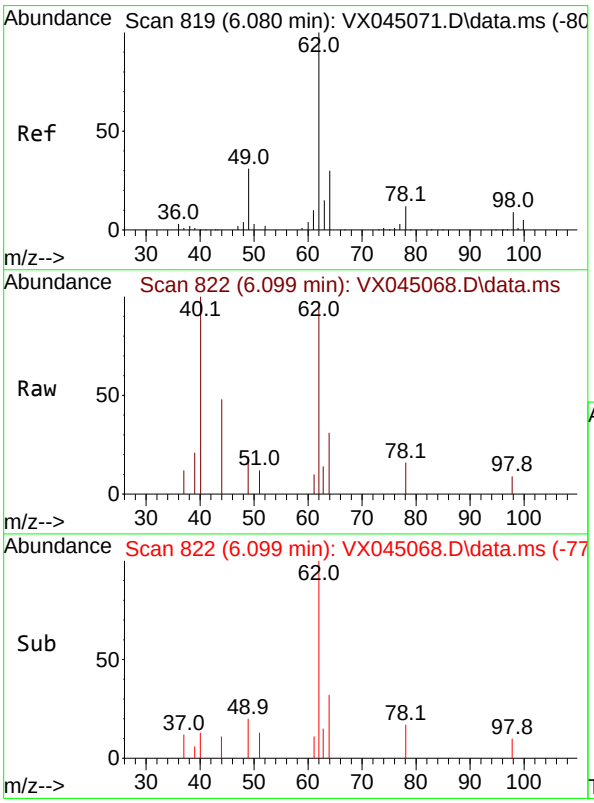
#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 912

Ion	Ratio	Lower	Upper
41	100		
39	34.3	44.6	67.0#
67	63.4	53.9	80.9
52	10.2	23.3	34.9#

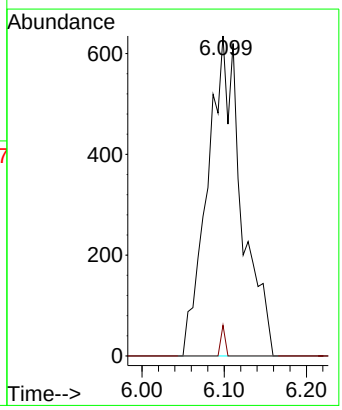


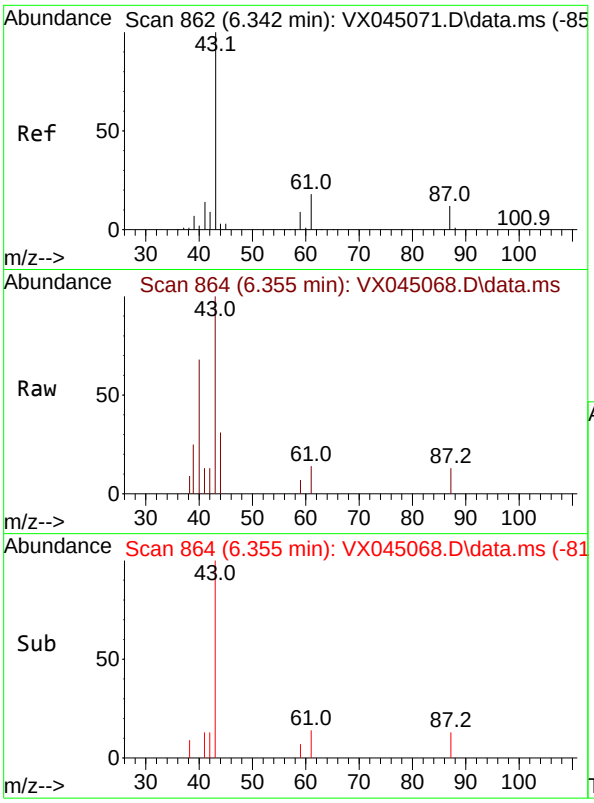


#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1837

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



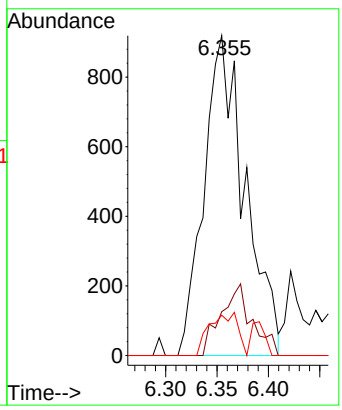


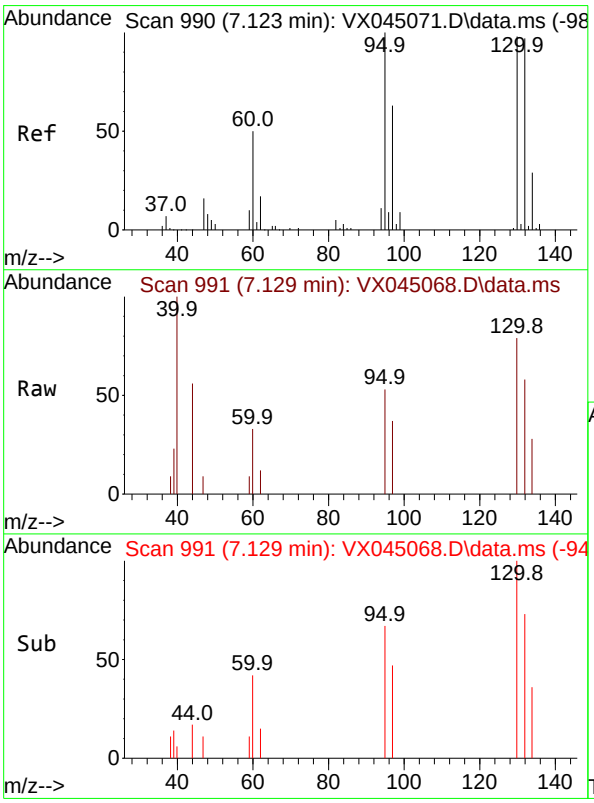
#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

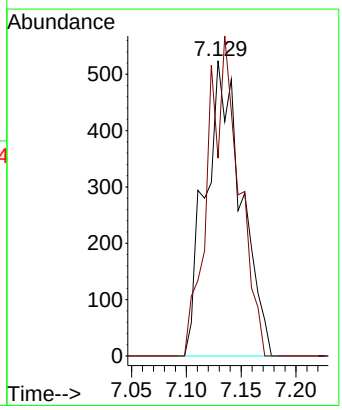


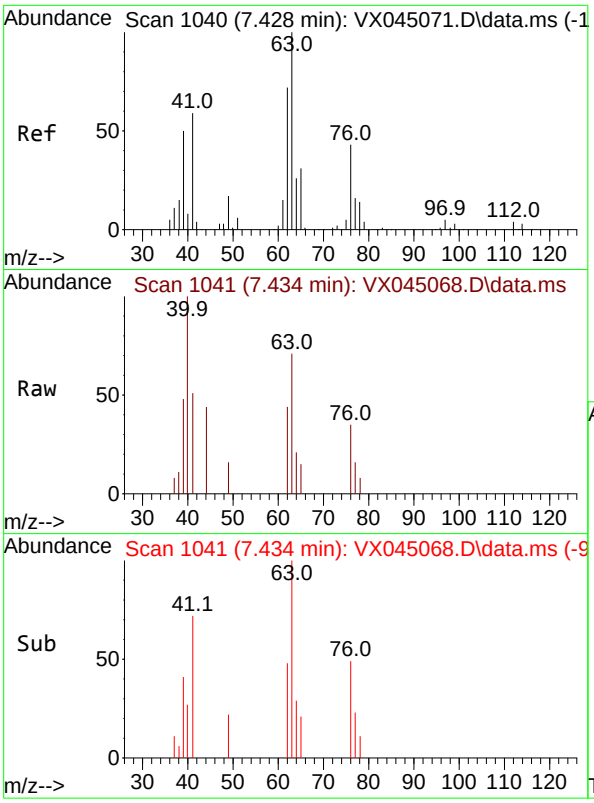


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 1202

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



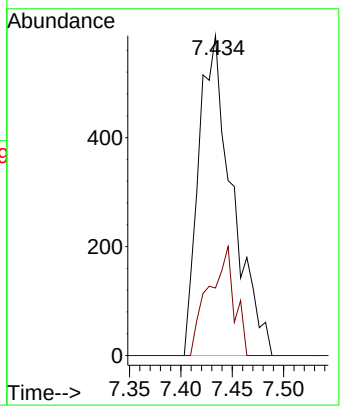


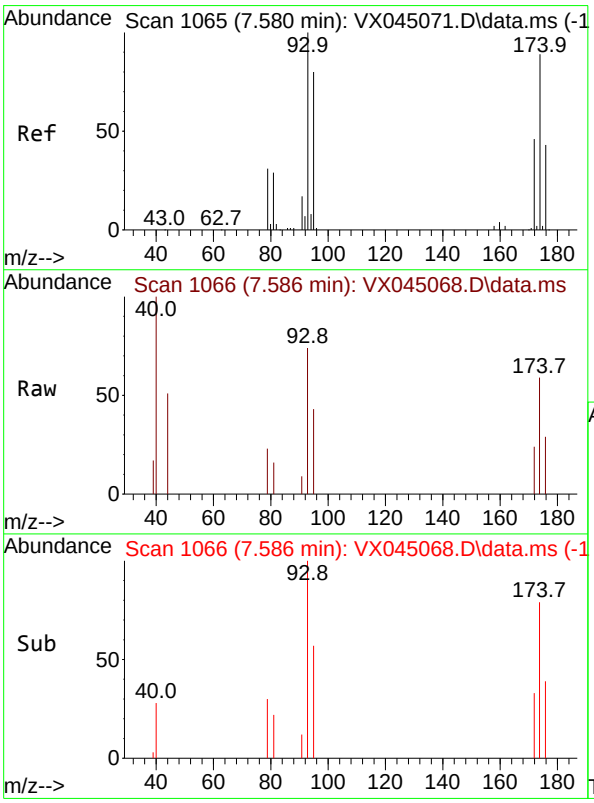
#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

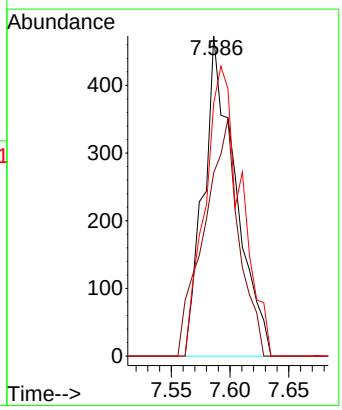


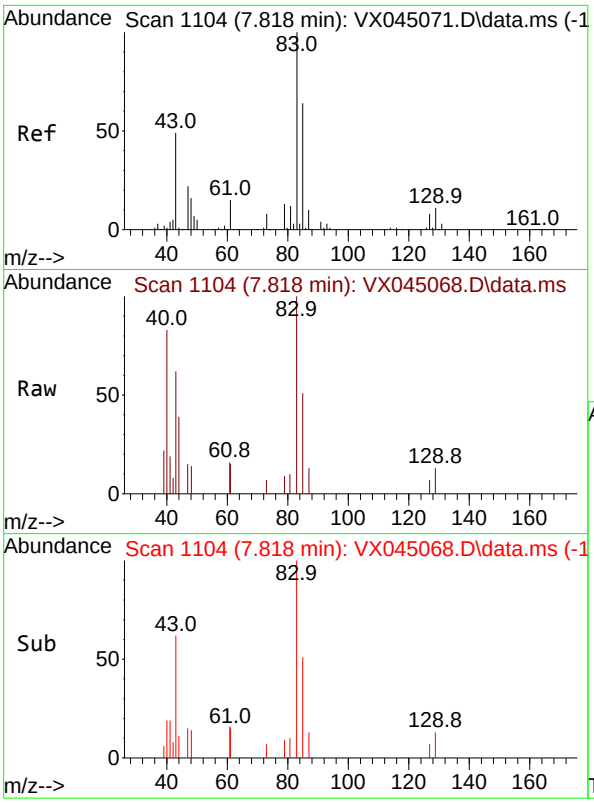


#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 891

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



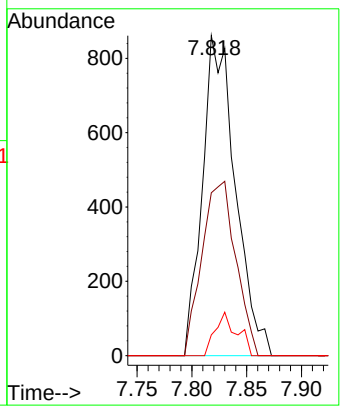


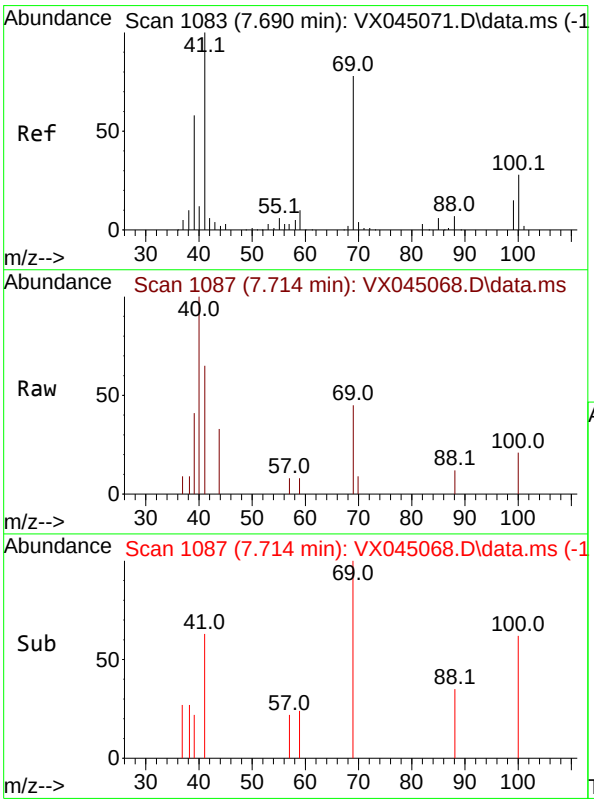
#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

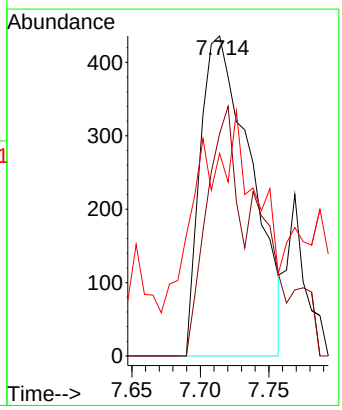


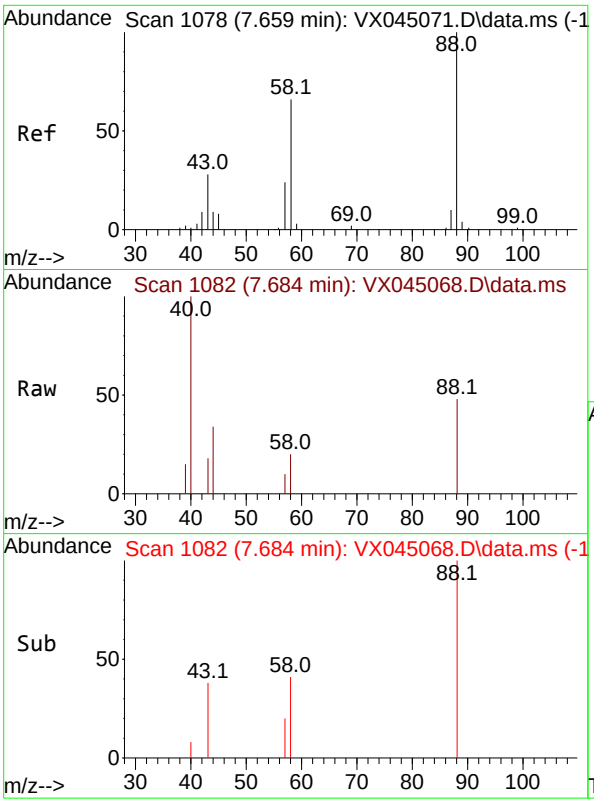


#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1125

Ion	Ratio	Lower	Upper
41	100		
69	48.9	63.0	94.6#
39	24.4	47.5	71.3#



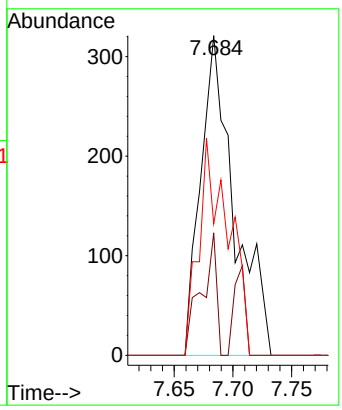


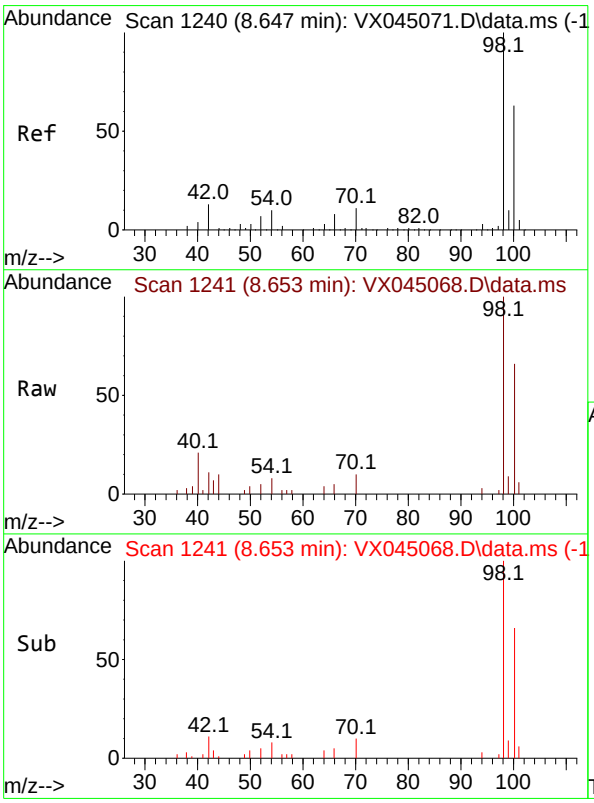
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8

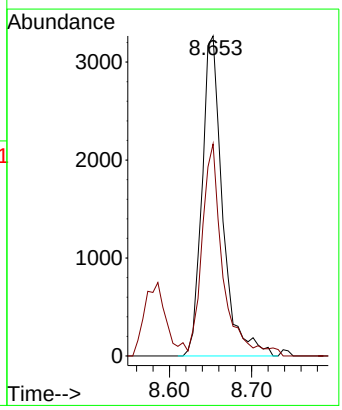


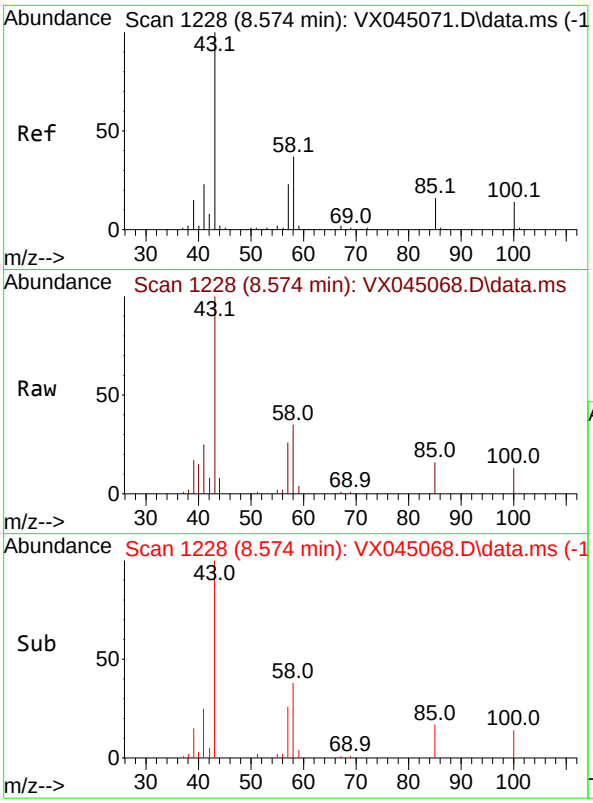


#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.0	78.0



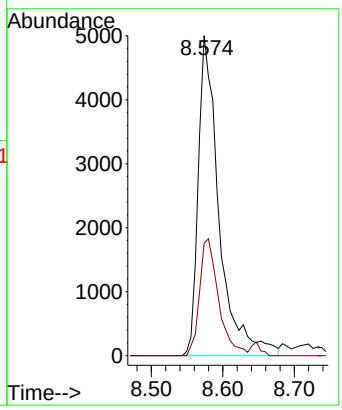


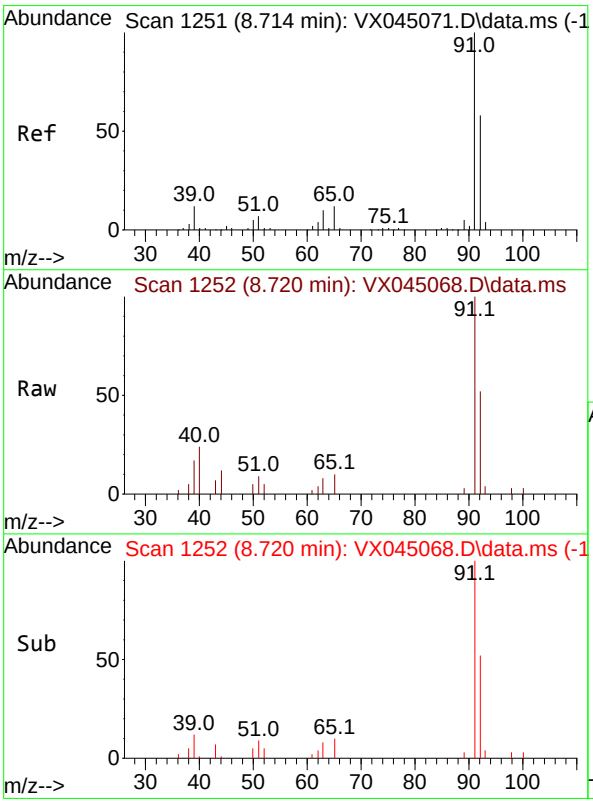
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

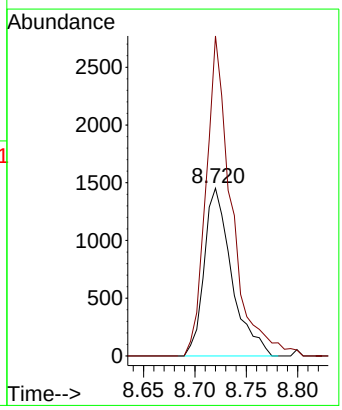


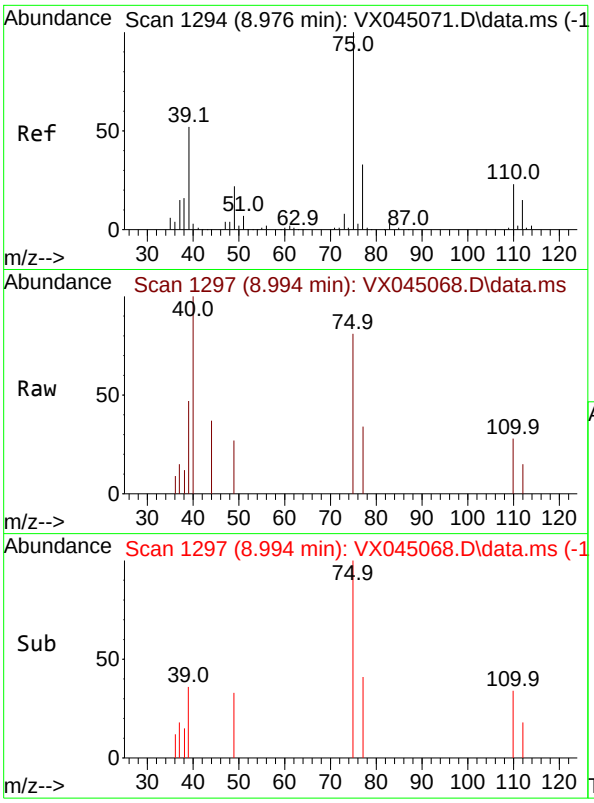


#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 2700

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



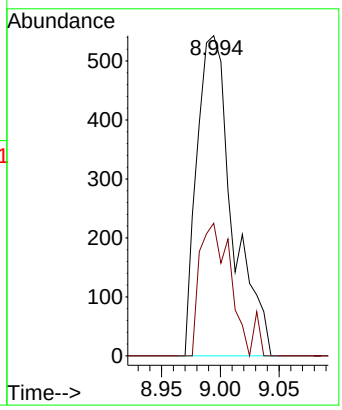


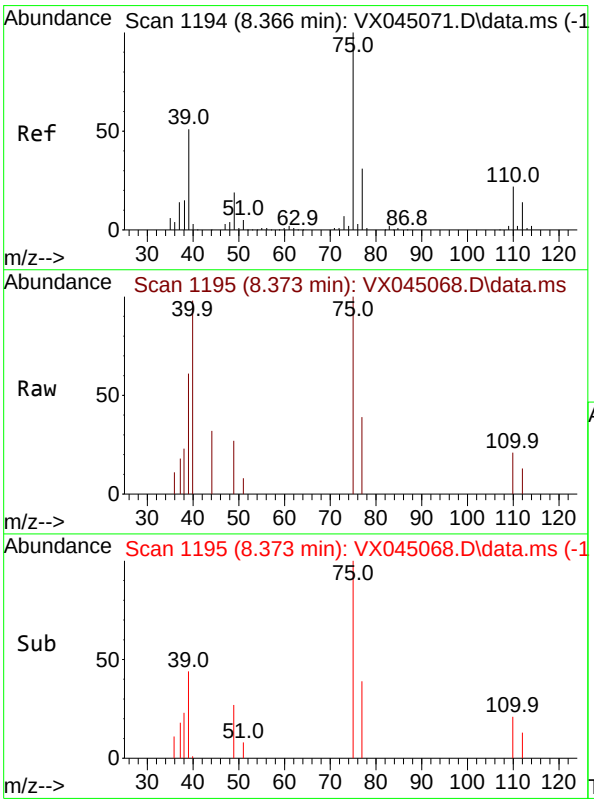
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

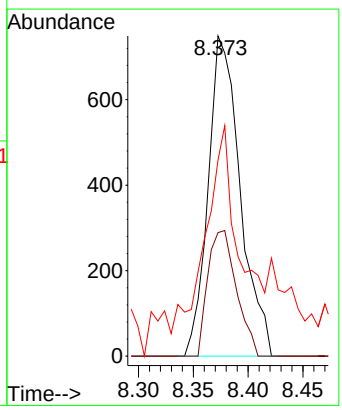


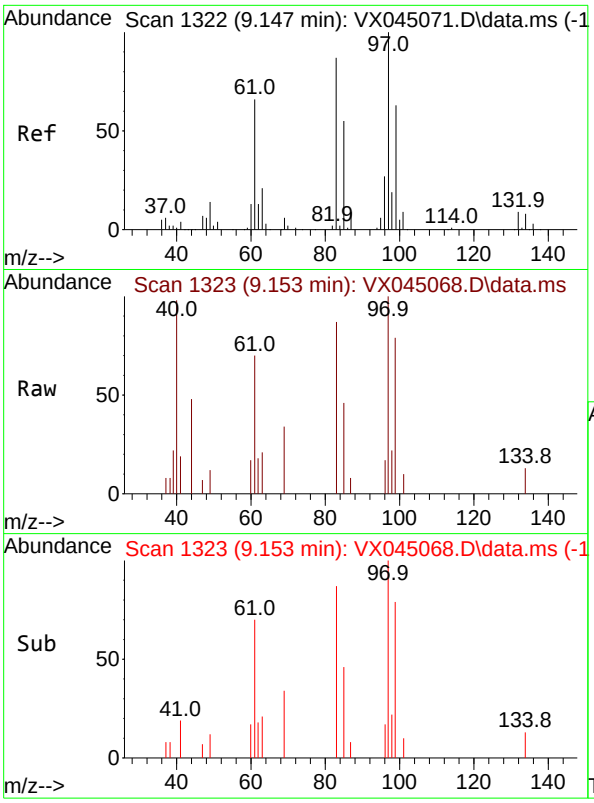


#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1525

Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



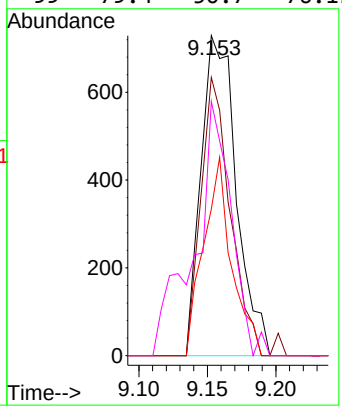


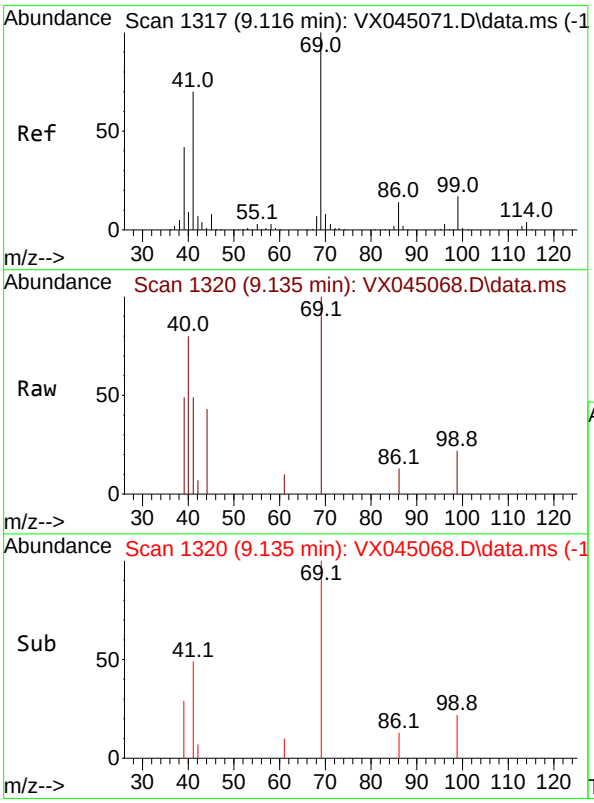
#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

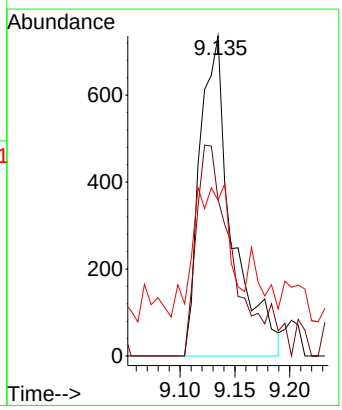


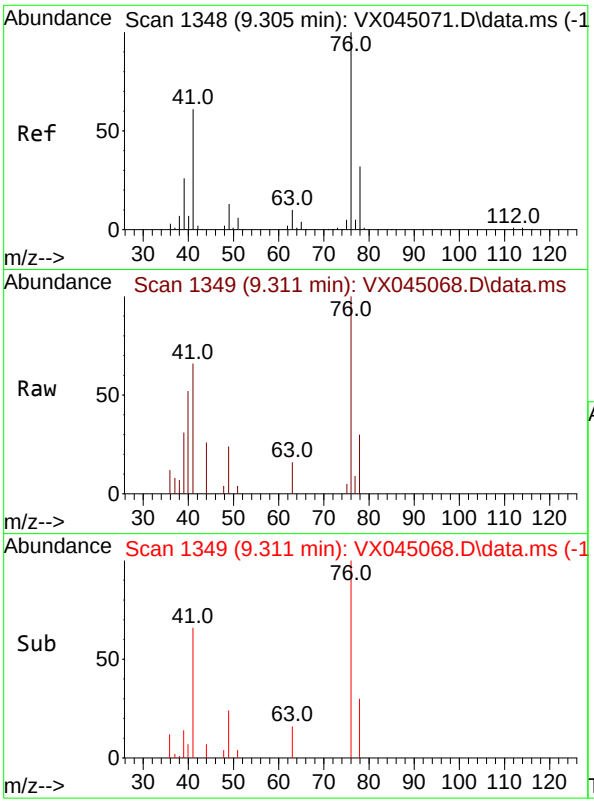


#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 1494

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4#



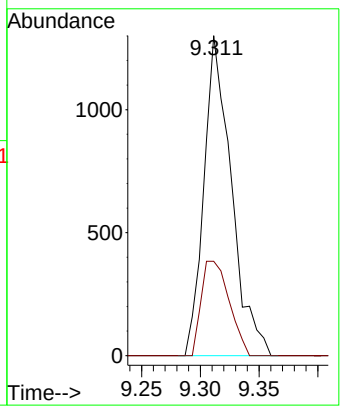


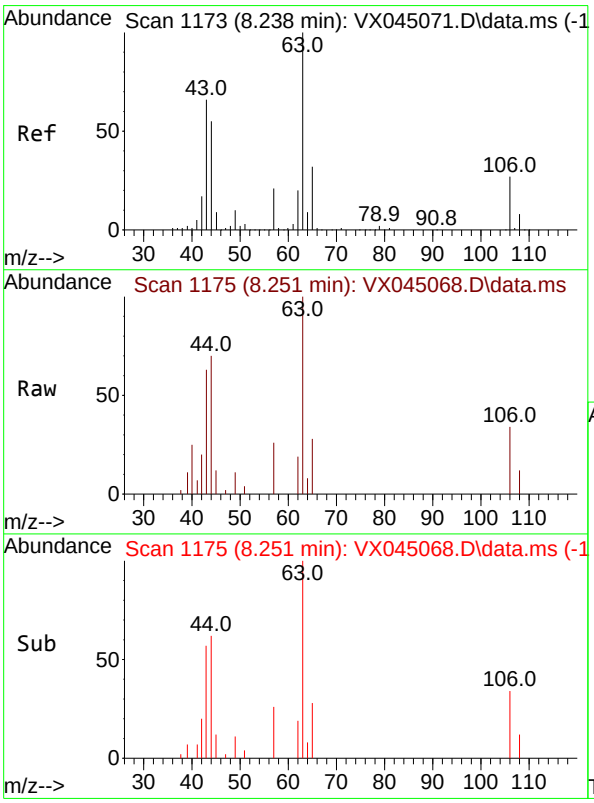
#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

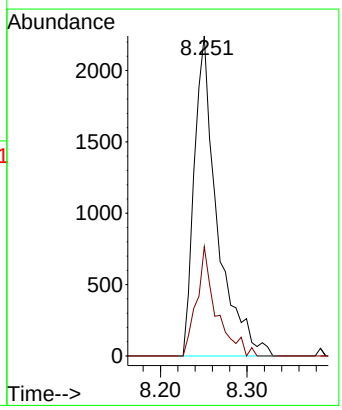


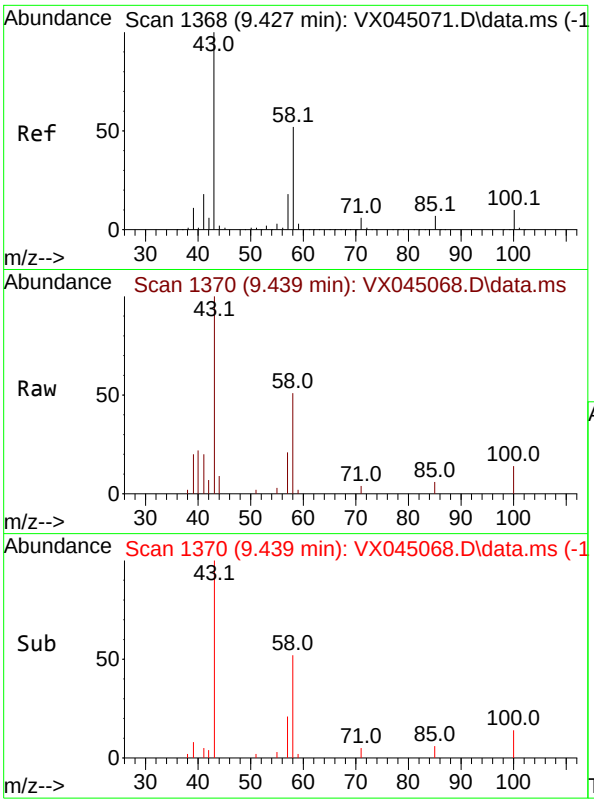


#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



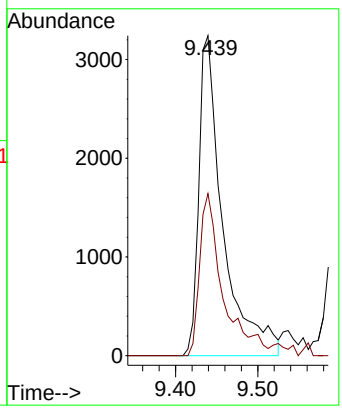


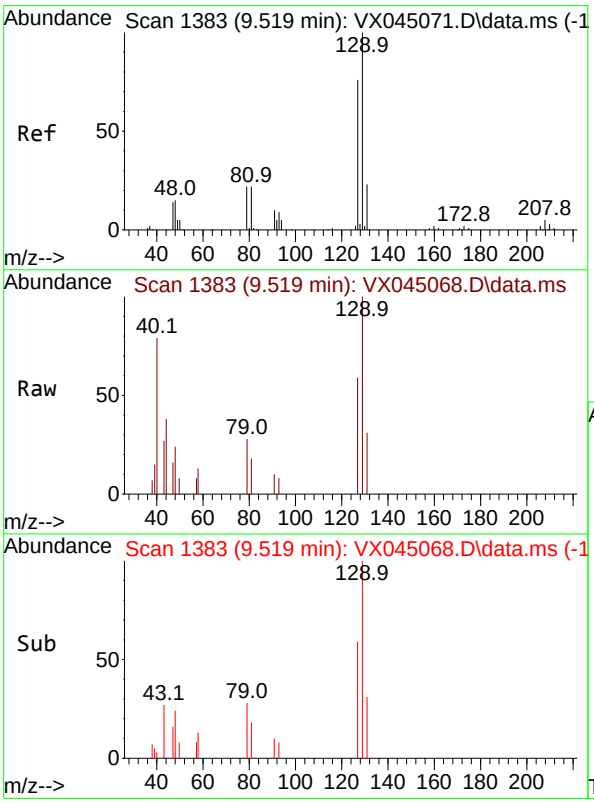
#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

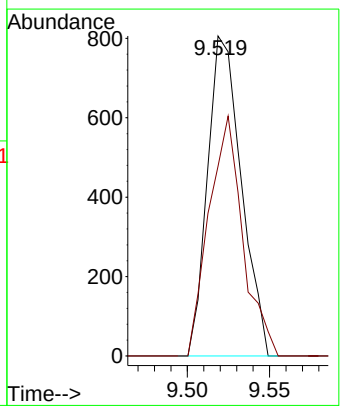


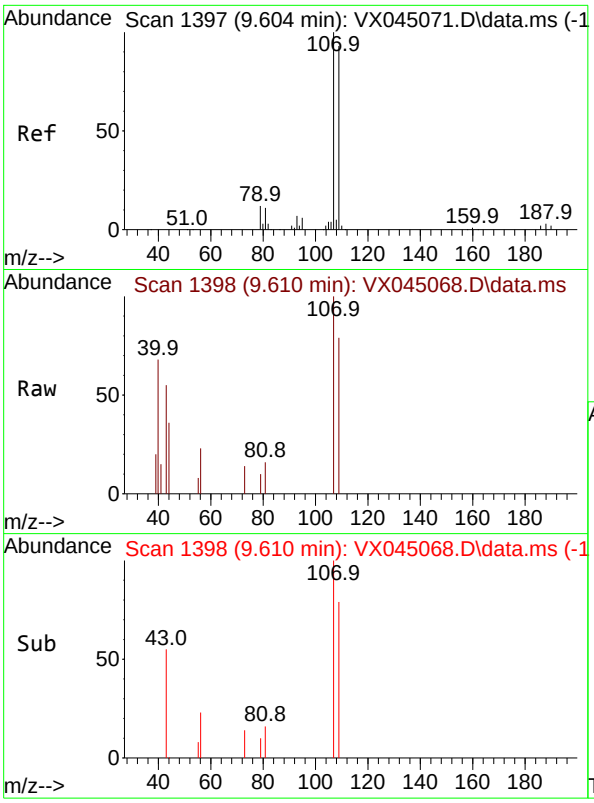


#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 1152

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



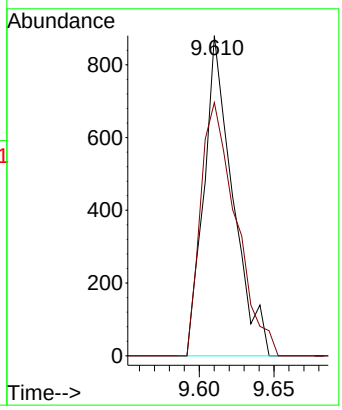


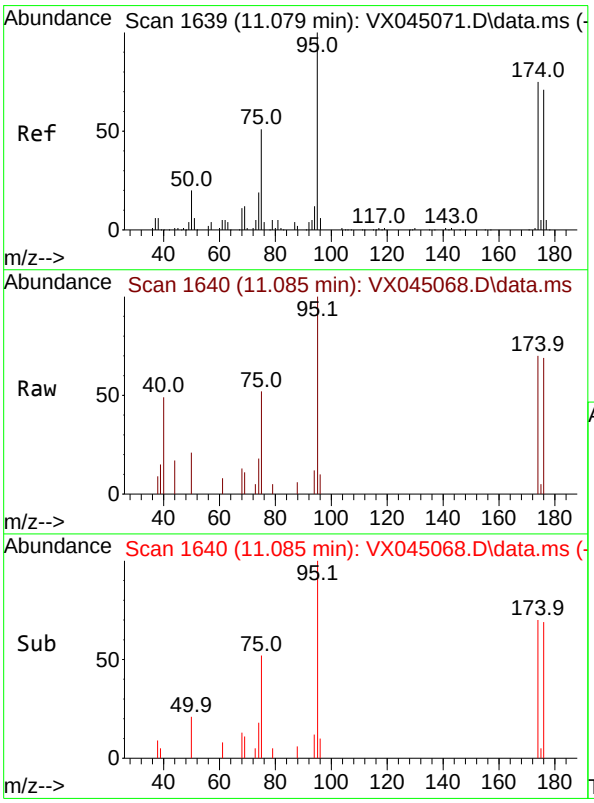
#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1

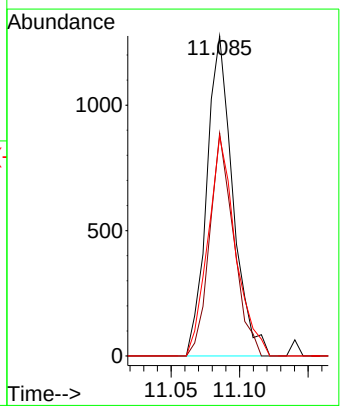


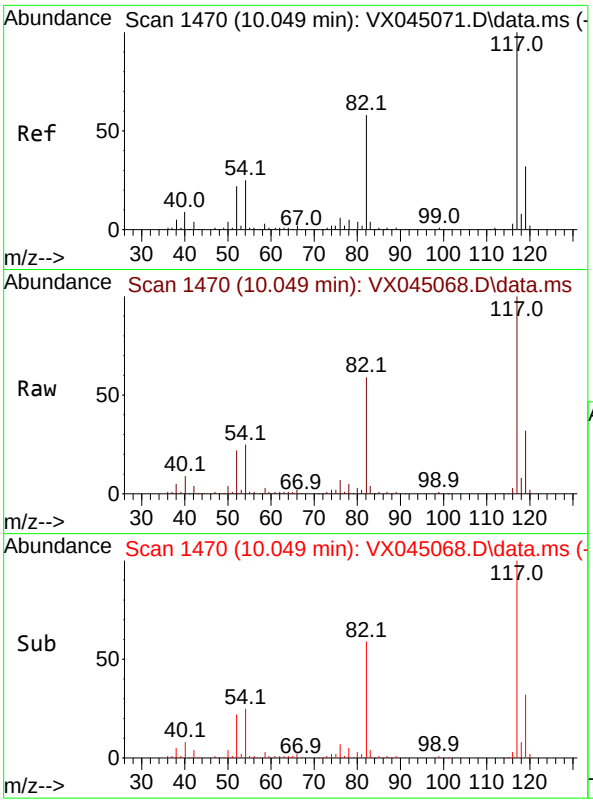


#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 95 Resp: 1685

Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	148.2
176	72.7	0.0	141.4



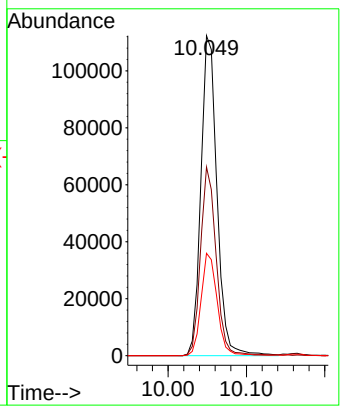


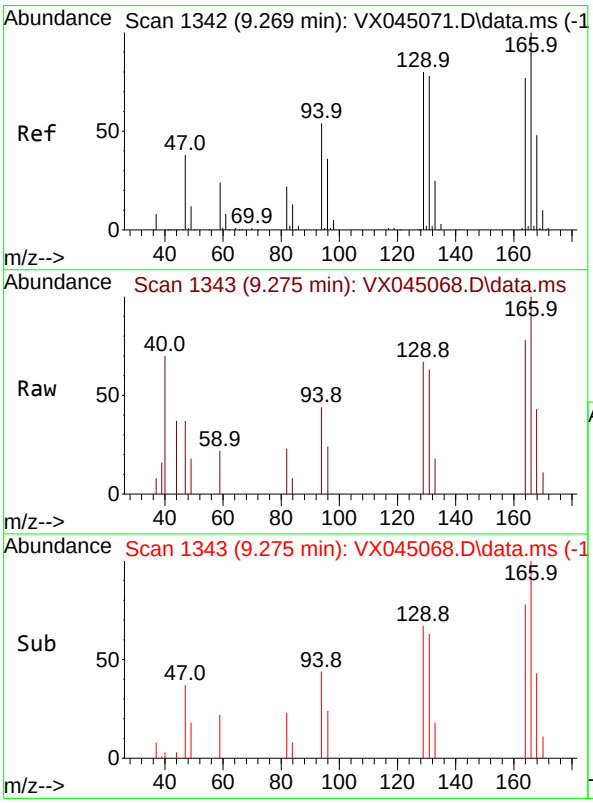
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

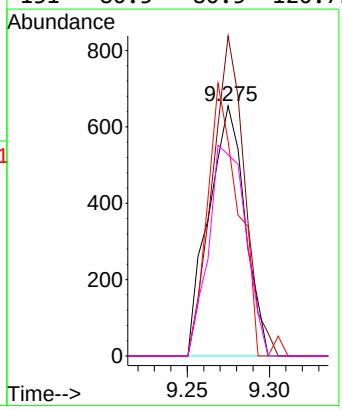


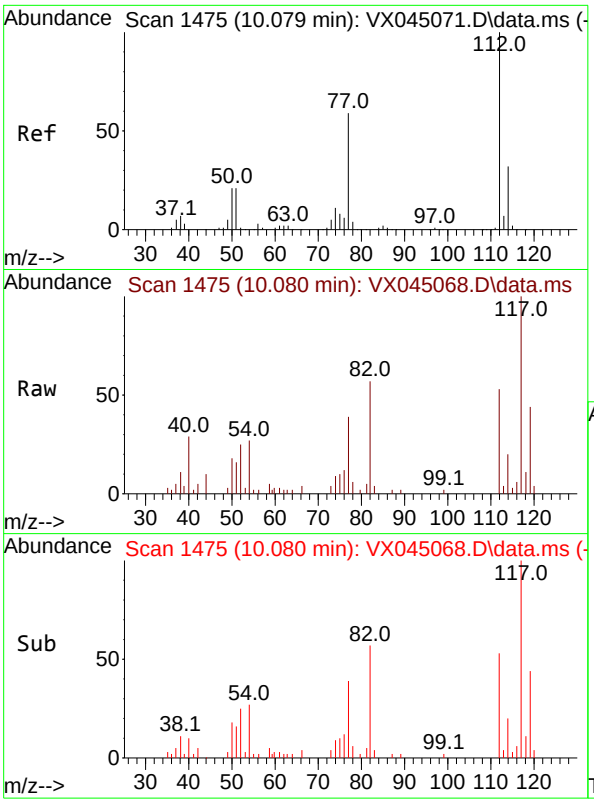


#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 1006

Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



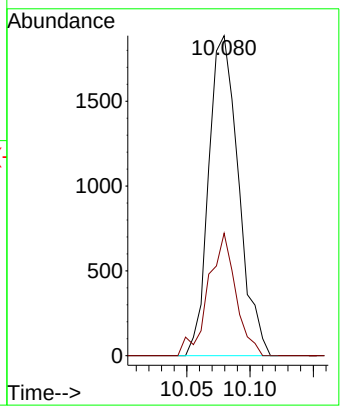


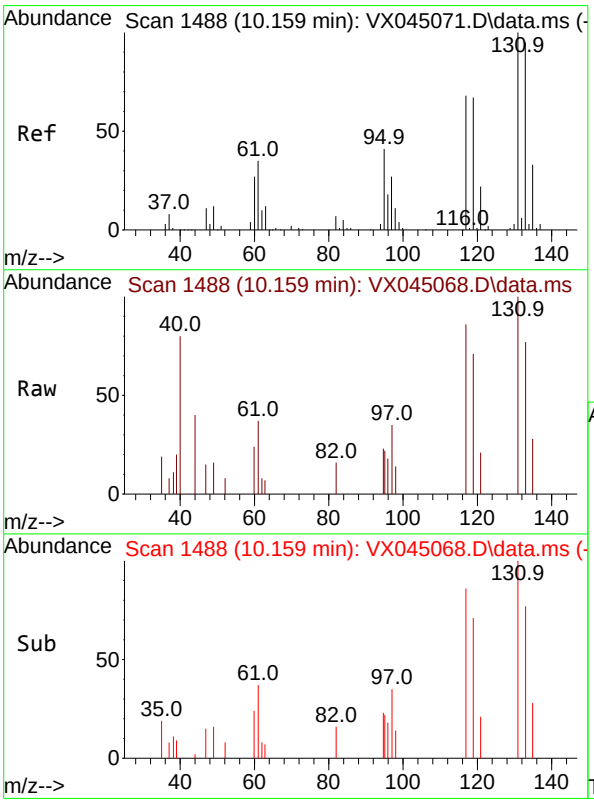
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0

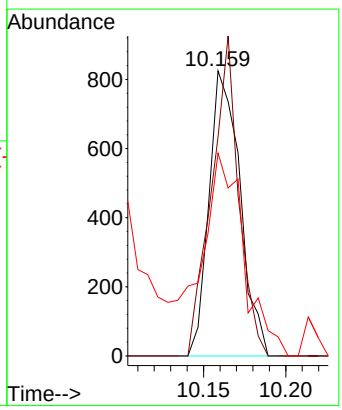


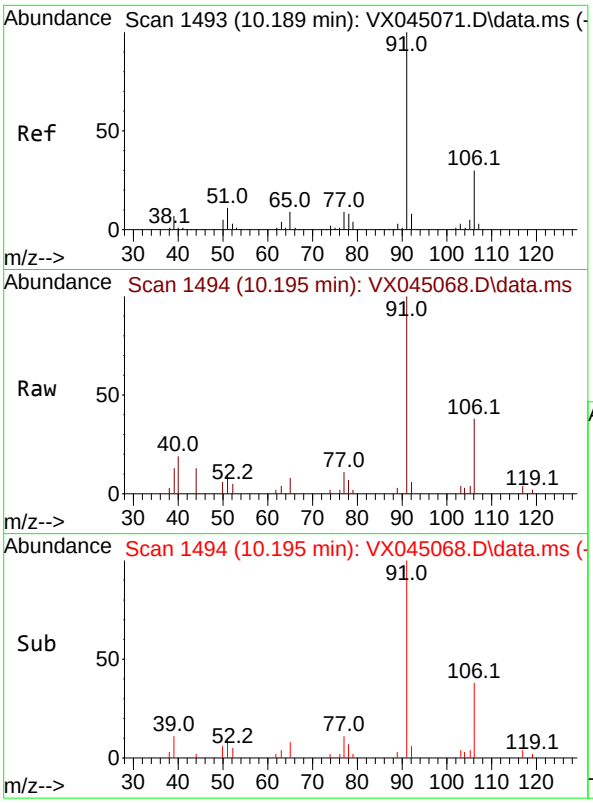


#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:131 Resp: 1078

Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#



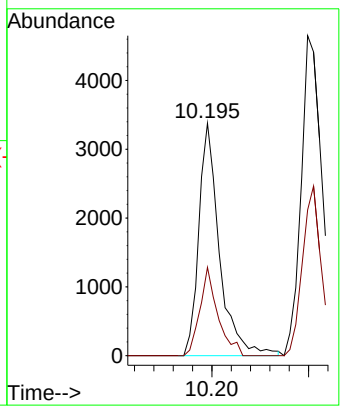


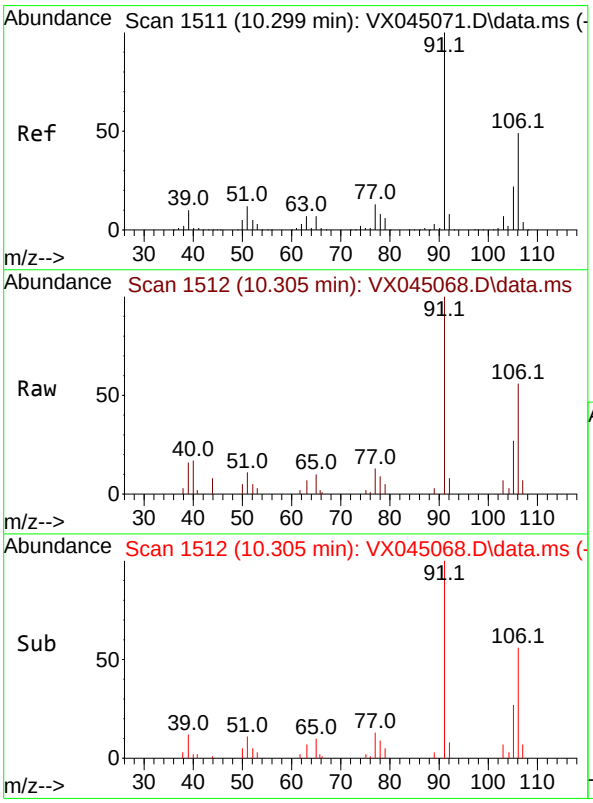
#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

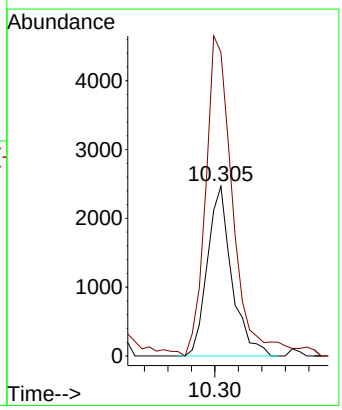


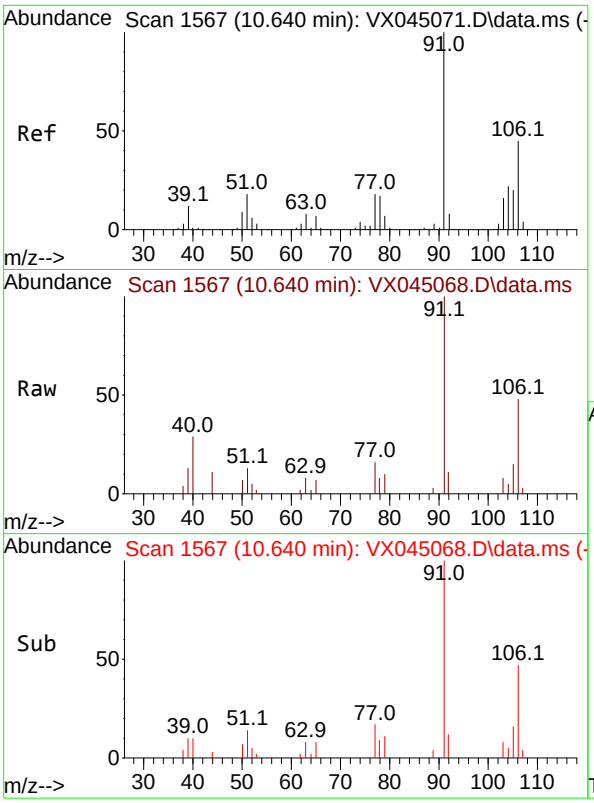


#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 3552

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



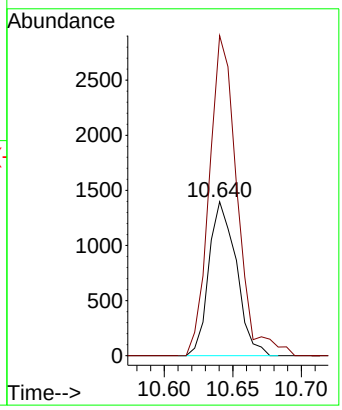


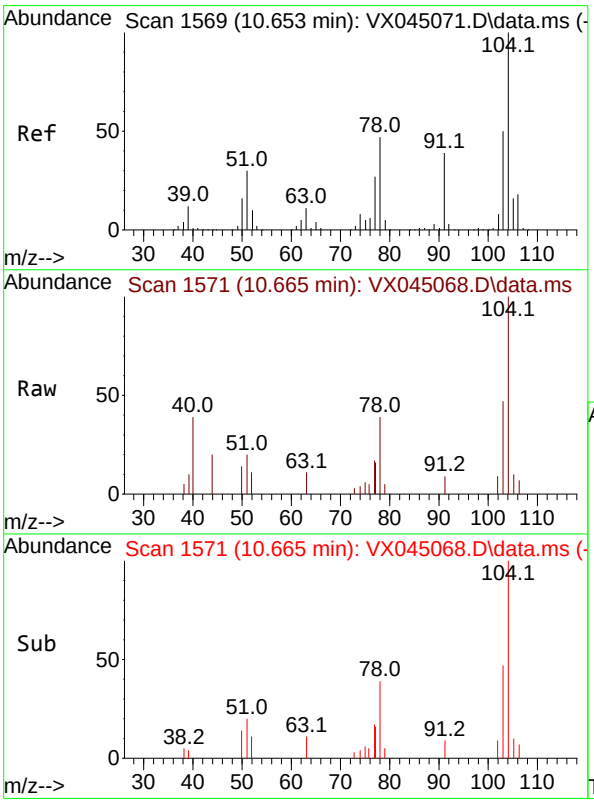
#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

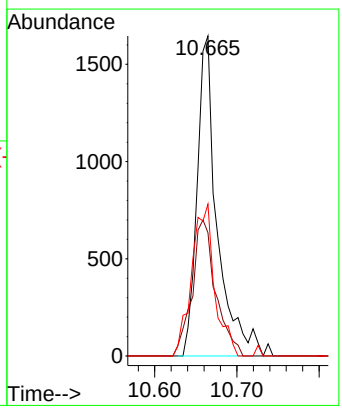


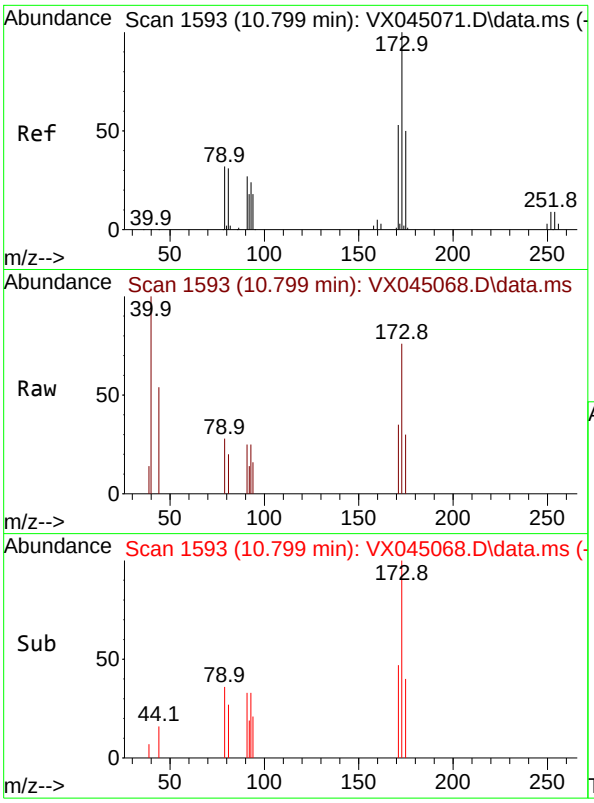


#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 2810

Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



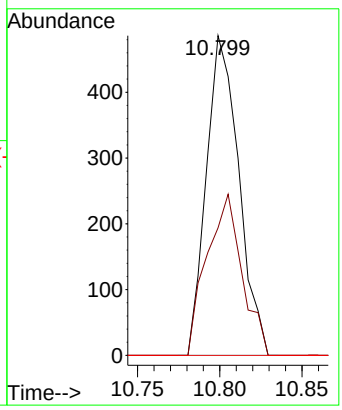


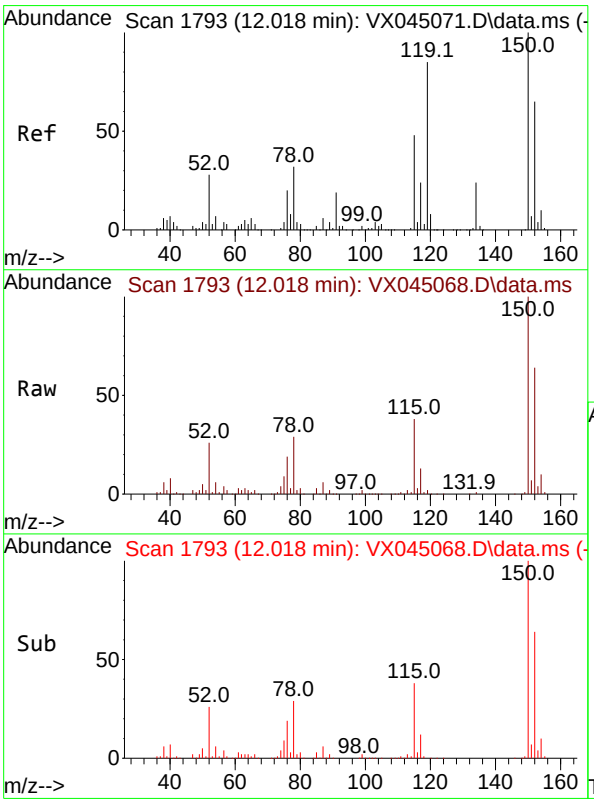
#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

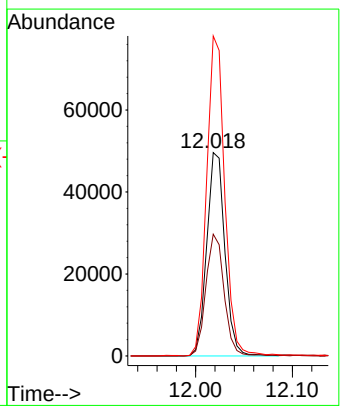


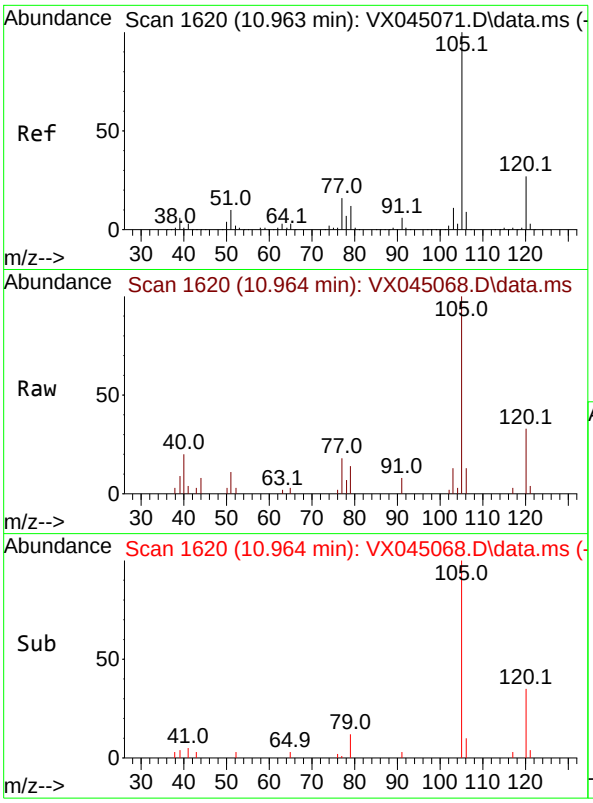


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 64845

Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



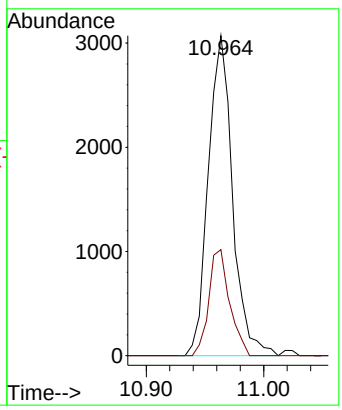


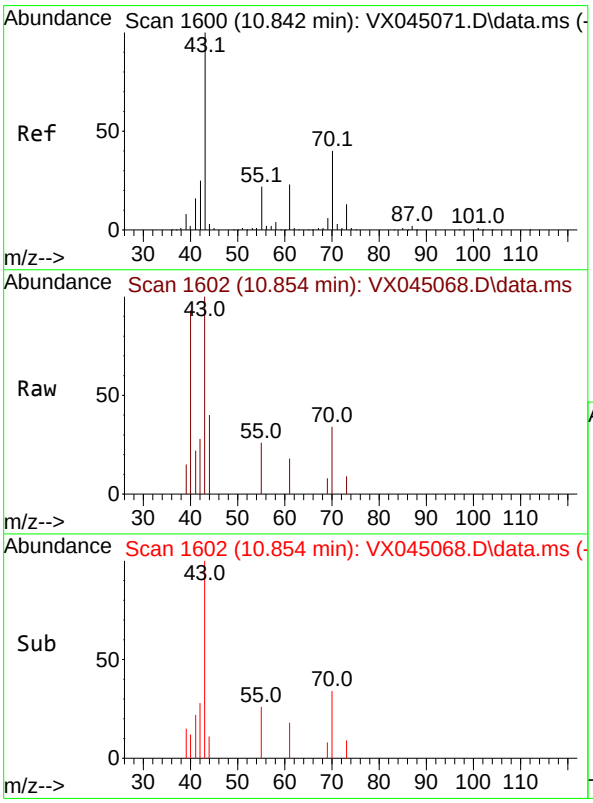
#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

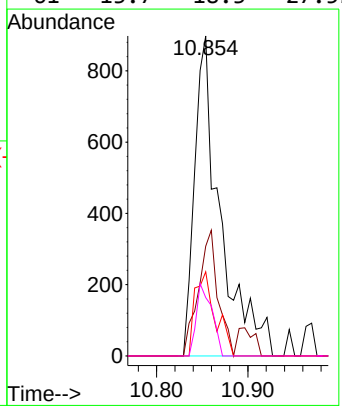


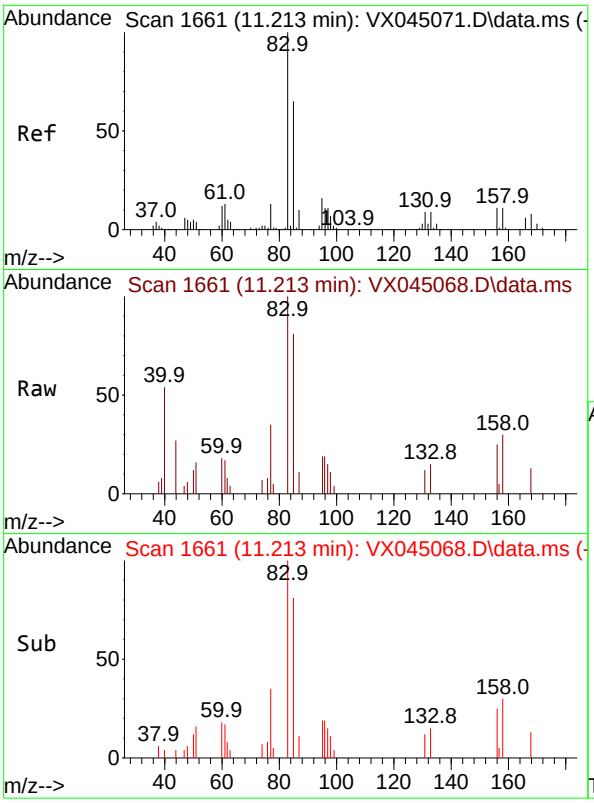


#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1750

Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



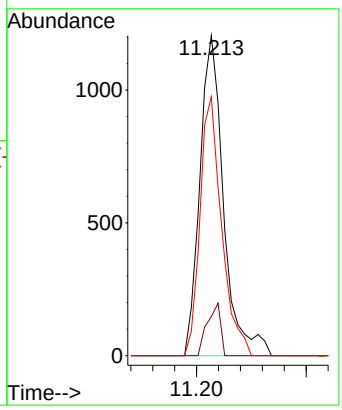


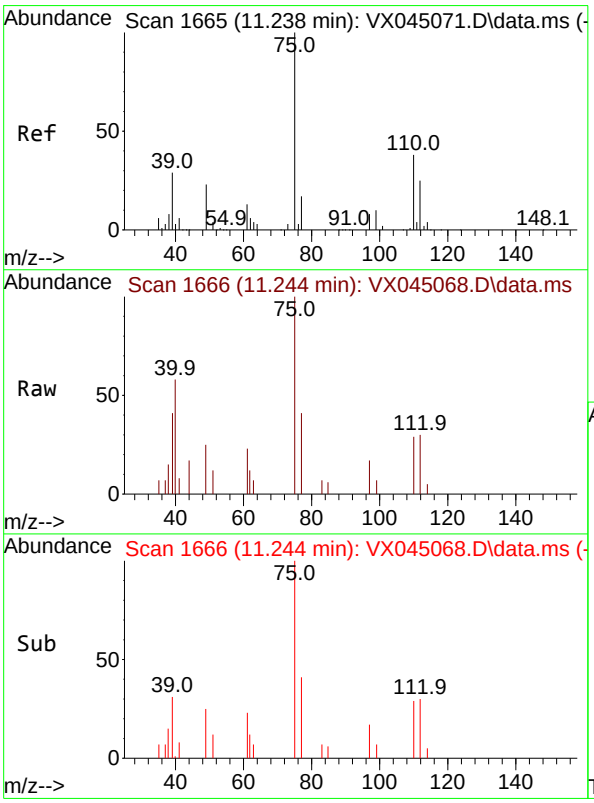
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

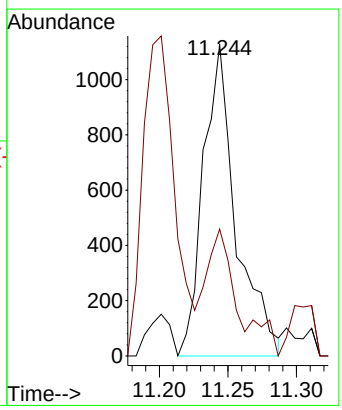


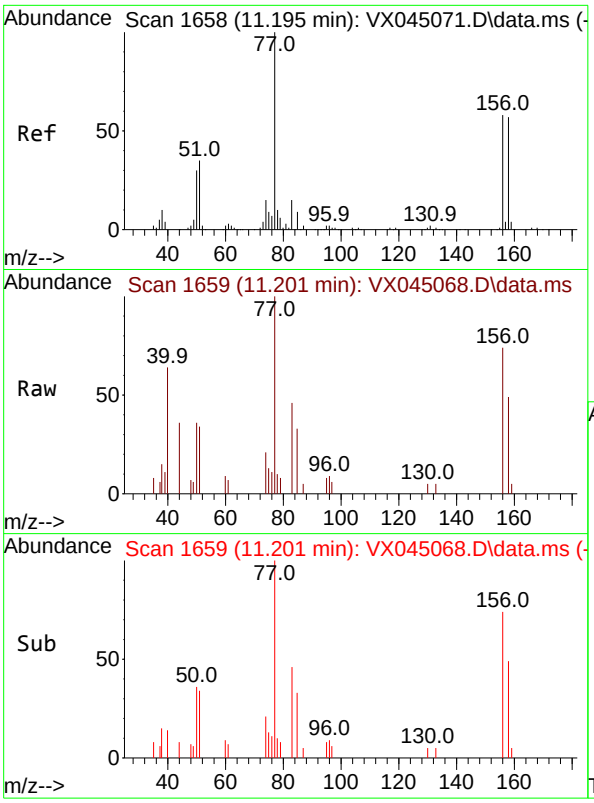


#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



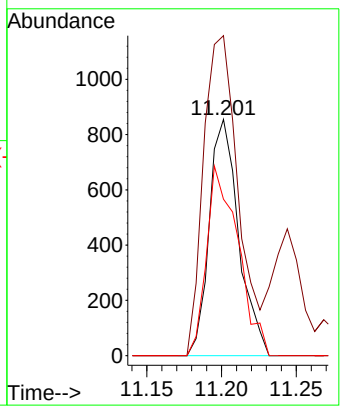


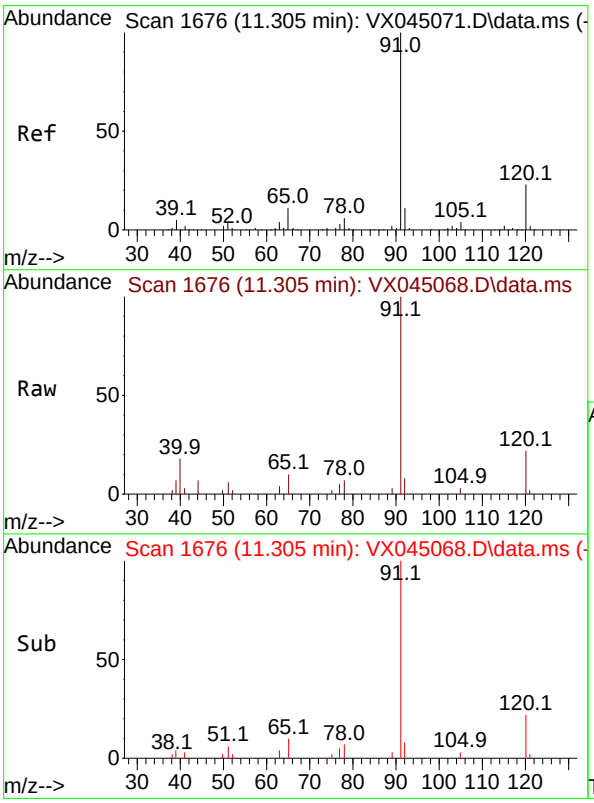
#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

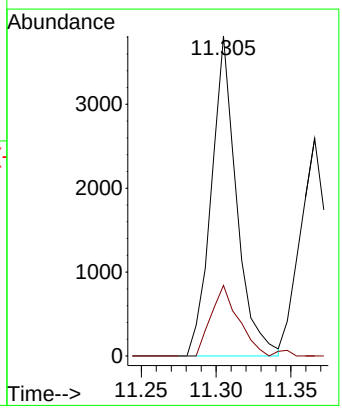


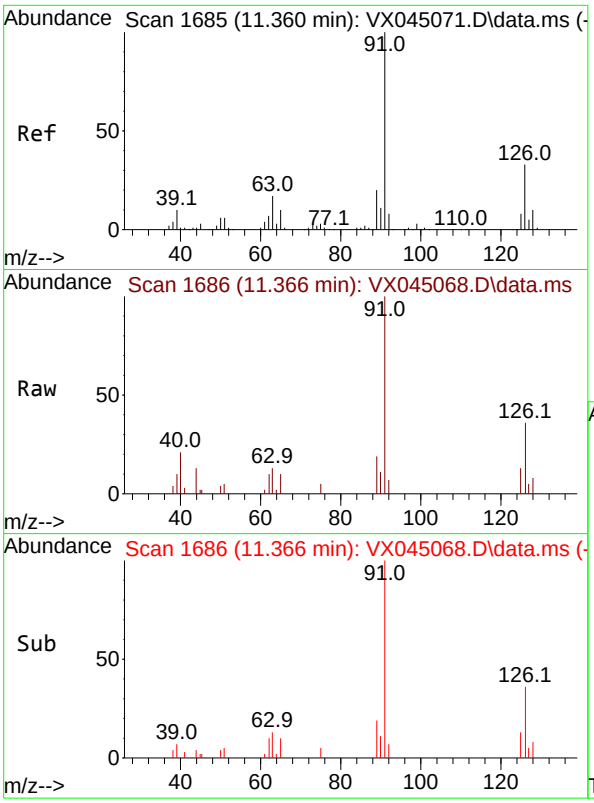


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 4475

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



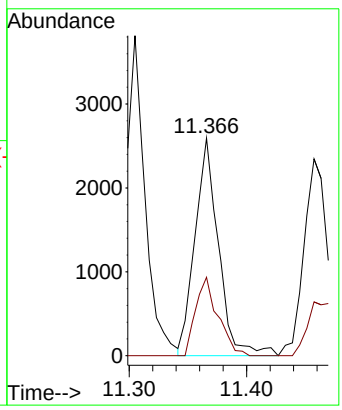


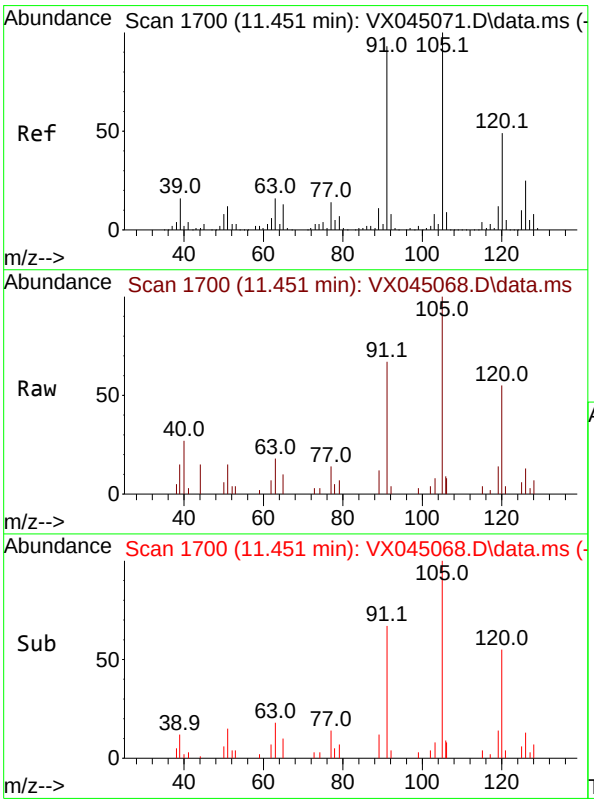
#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

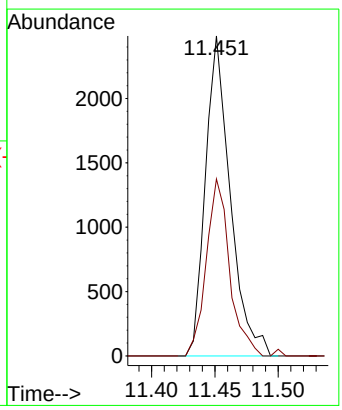


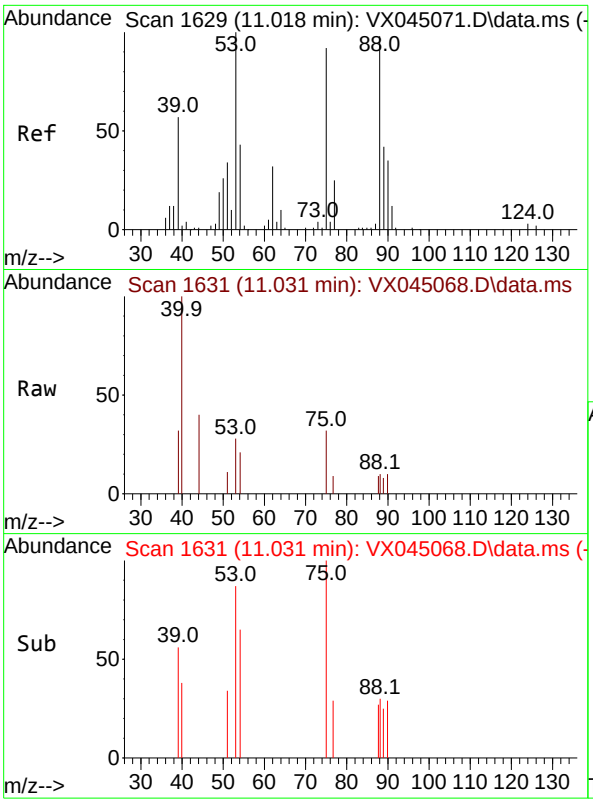


#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3386

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



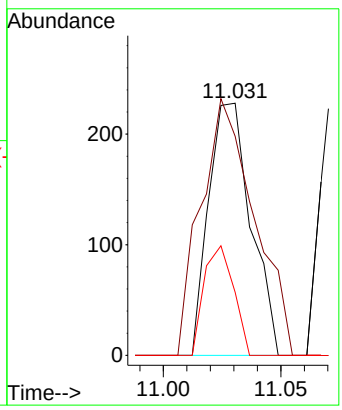


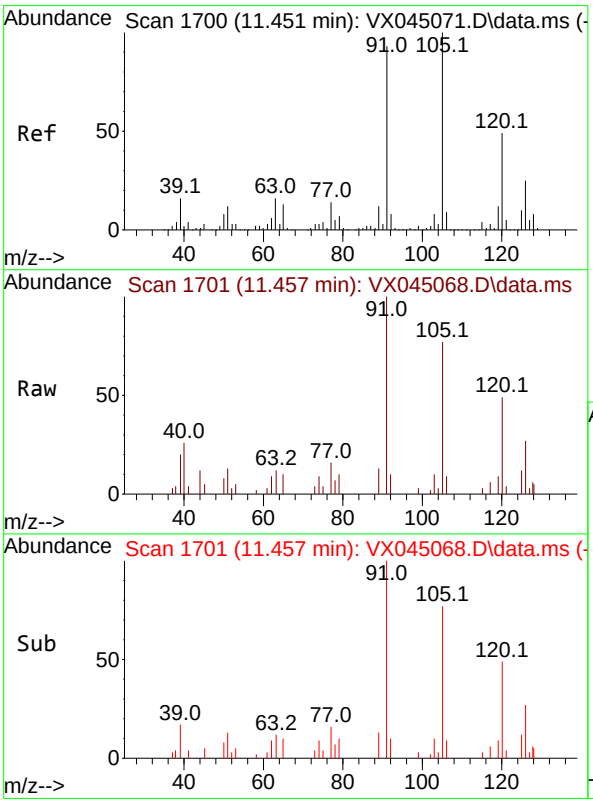
#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 285

Ion	Ratio	Lower	Upper
75	100		
53	128.8	88.5	132.7
89	30.5	36.2	54.4#

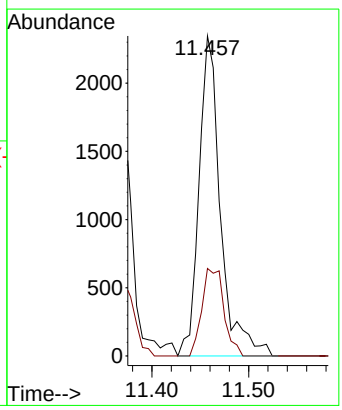


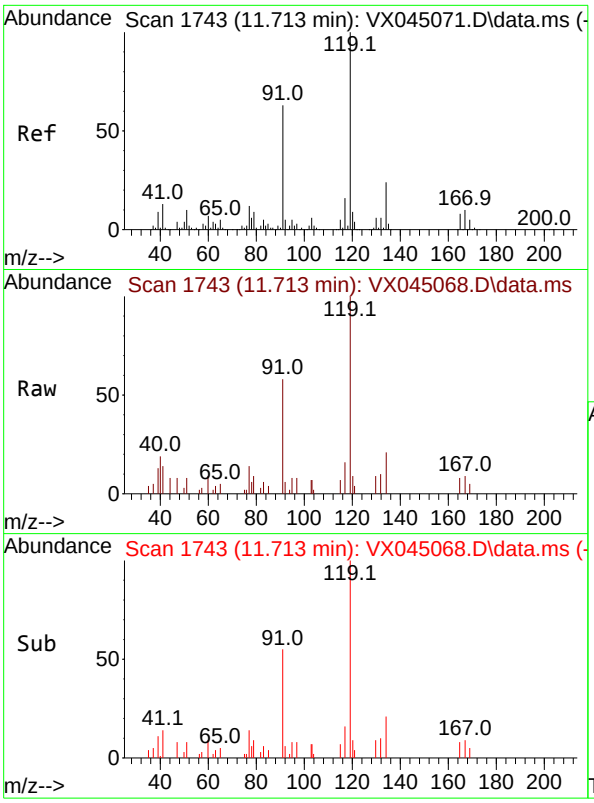


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



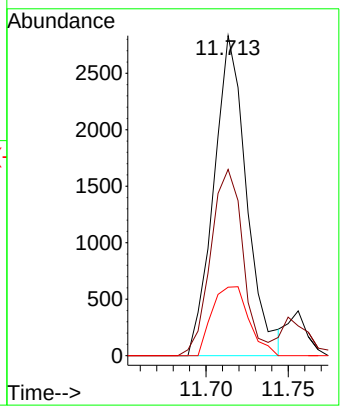


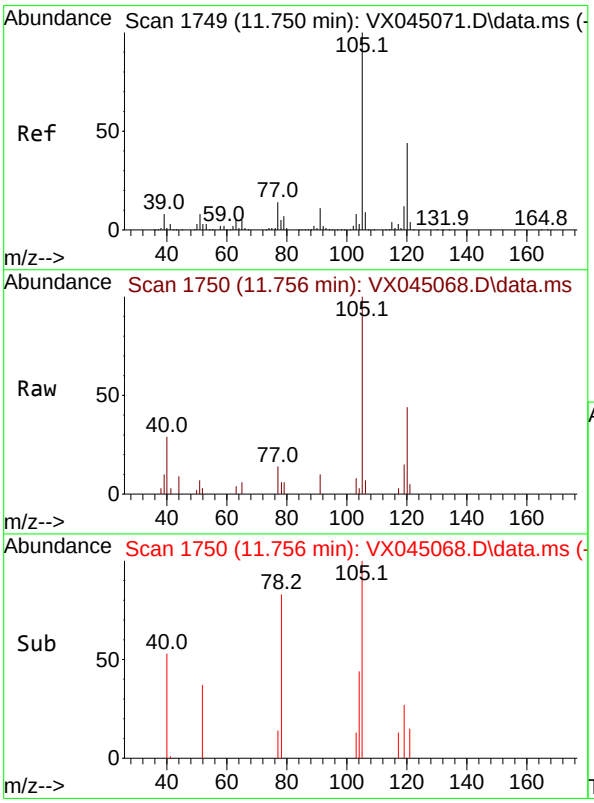
#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3928

Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0

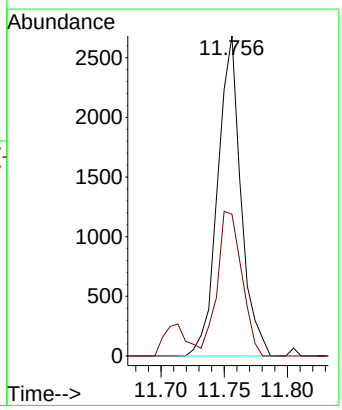


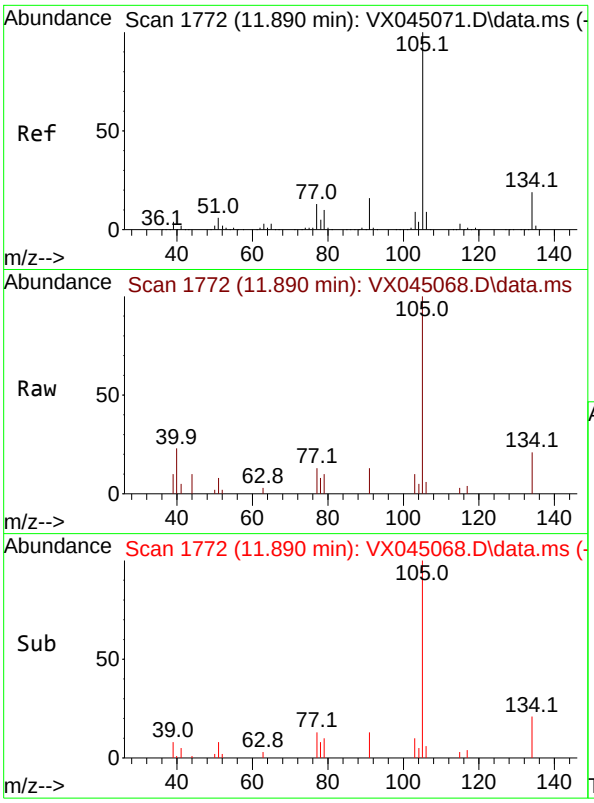


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1



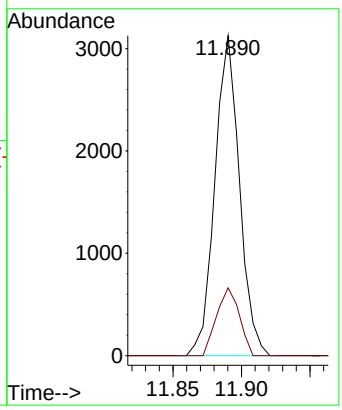


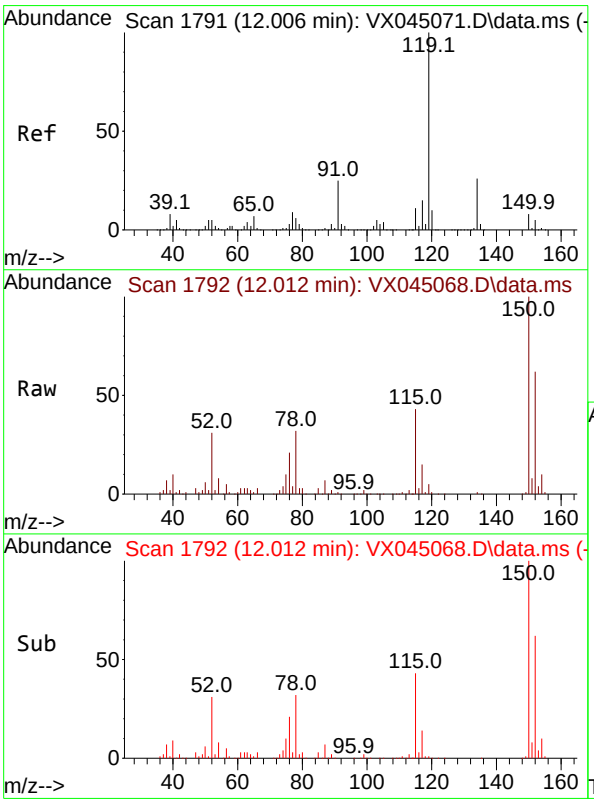
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3891

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

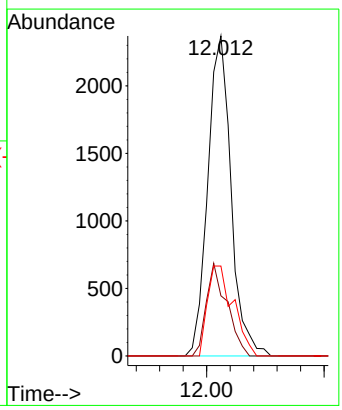


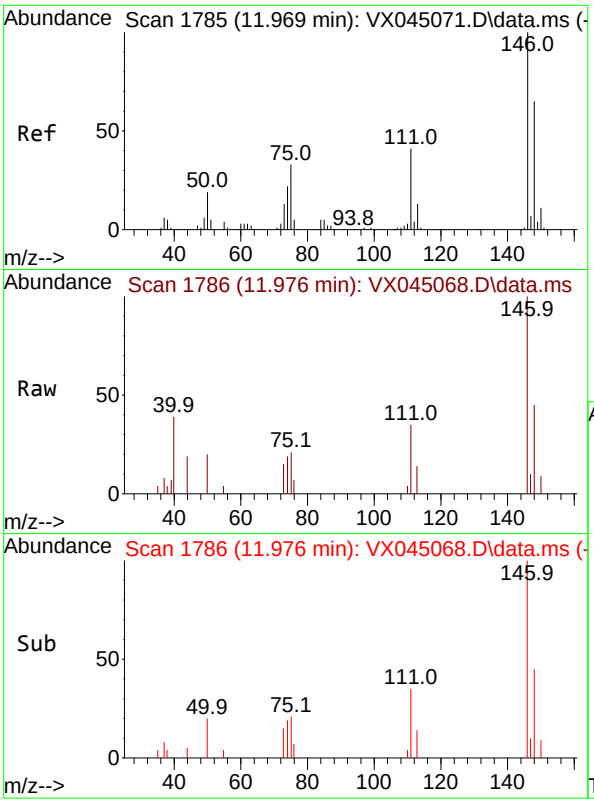


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0



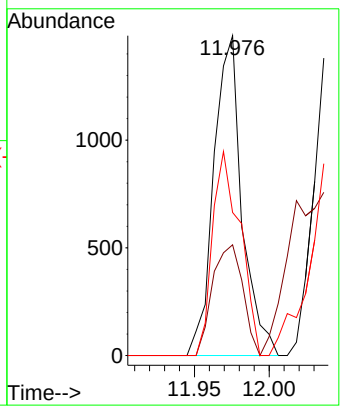


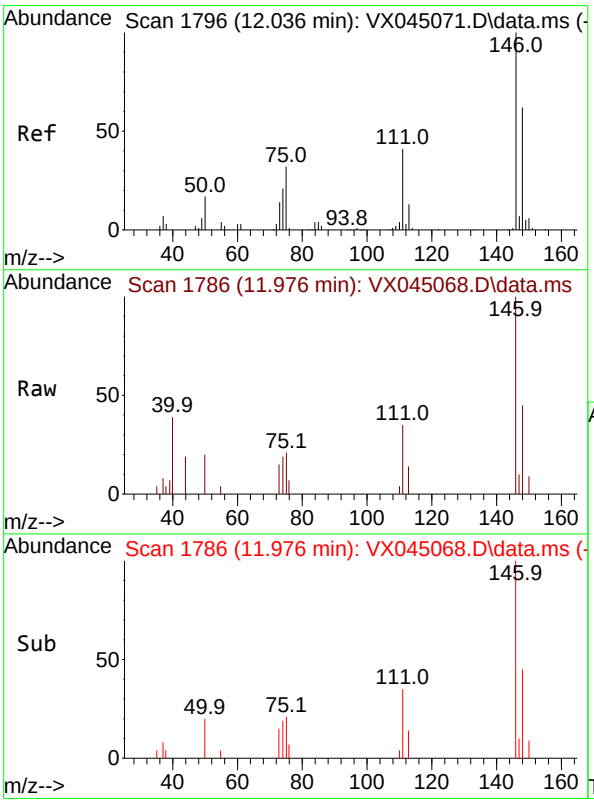
#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7

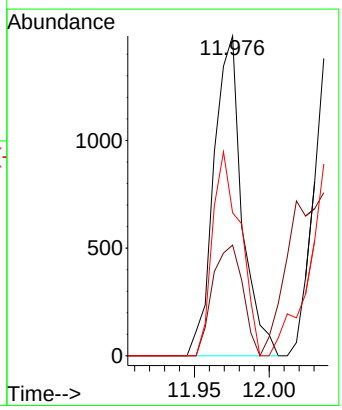


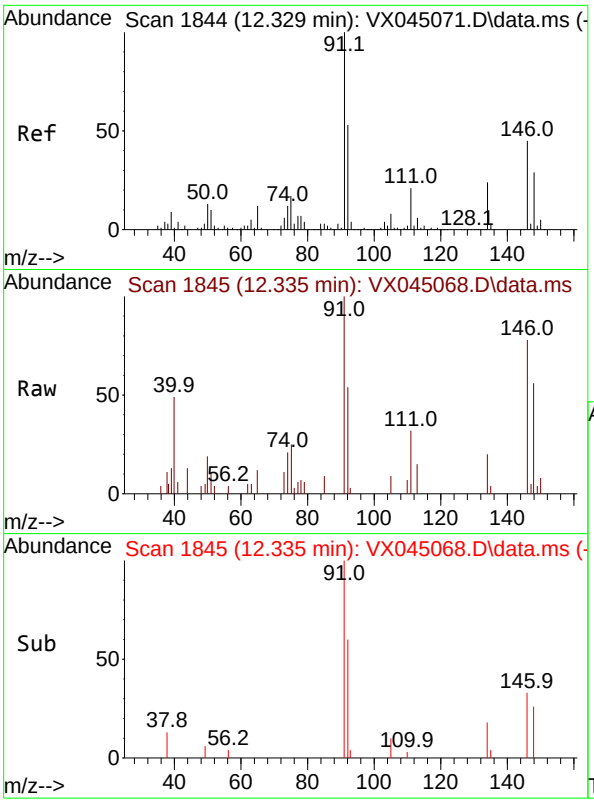


#88
1,4-Dichlorobenzene
Concen: 0.900 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	62.4	31.9	95.9



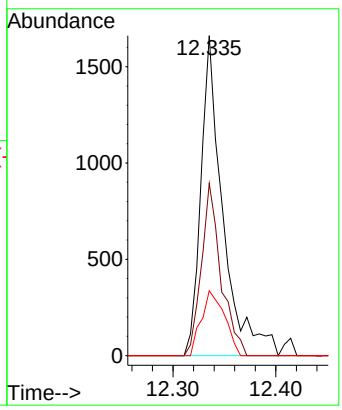


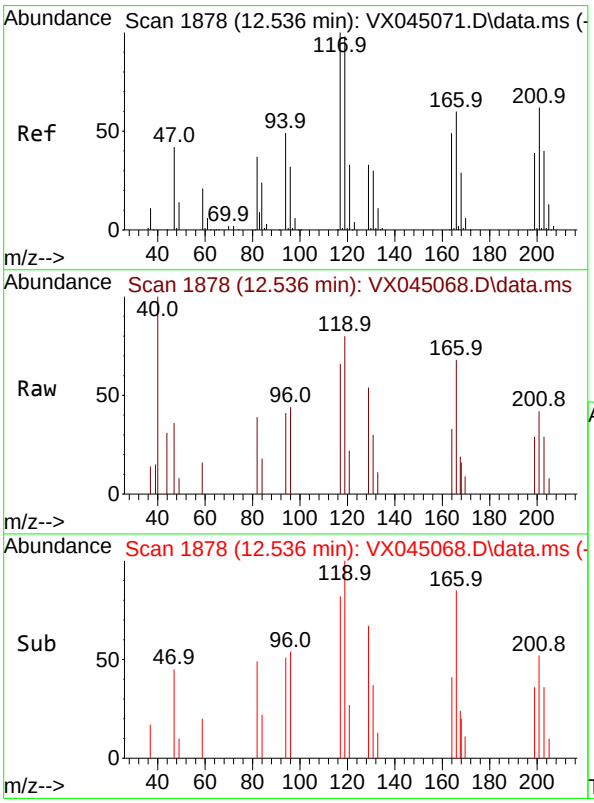
#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 2470

Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6

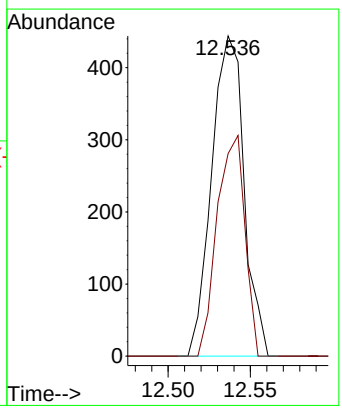


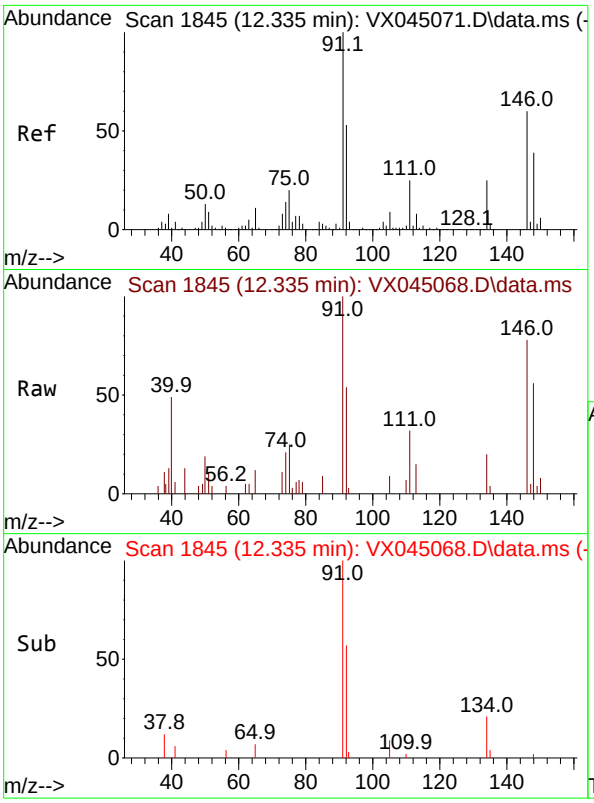


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9



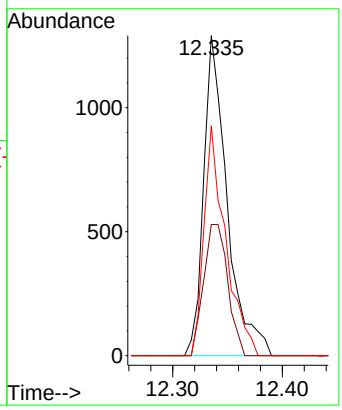


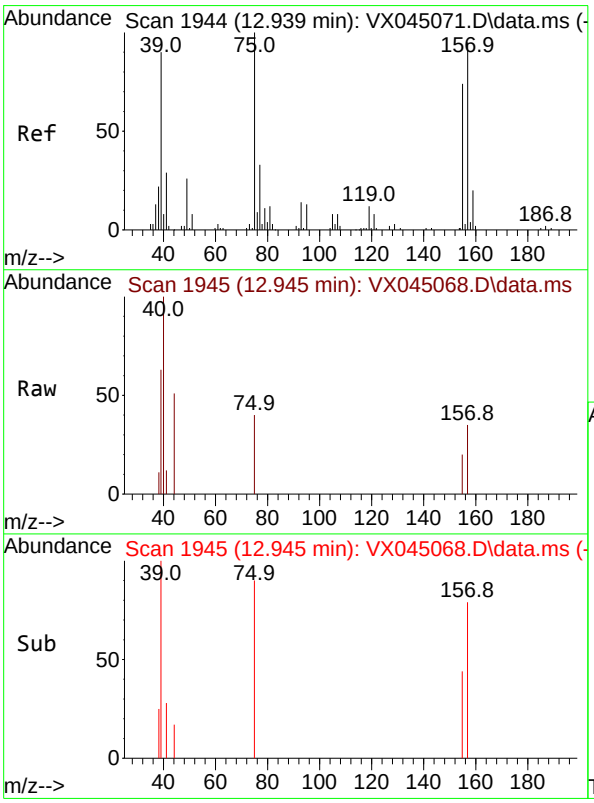
#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1918

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9

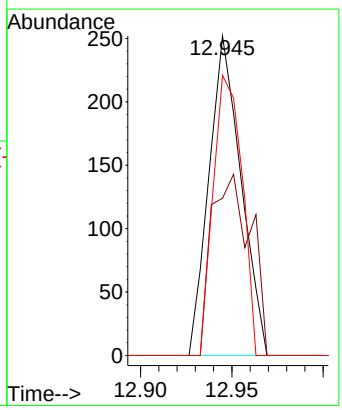


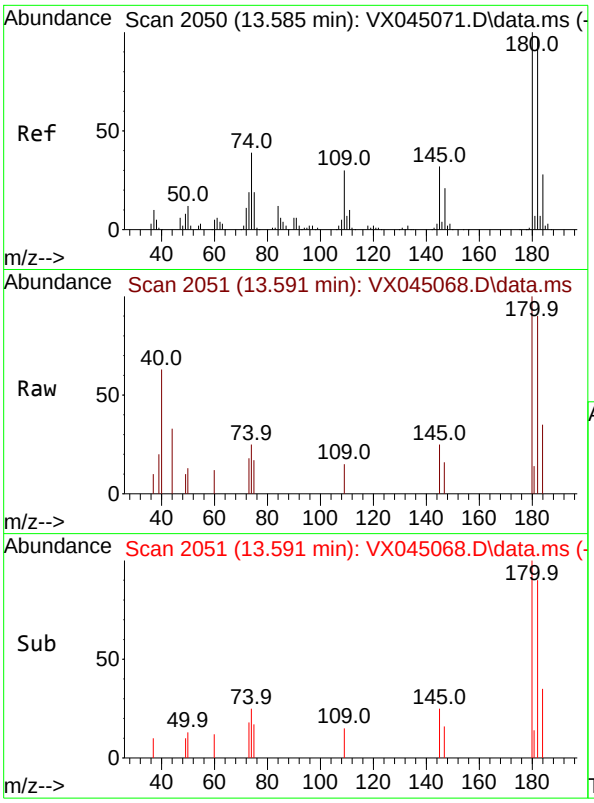


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4



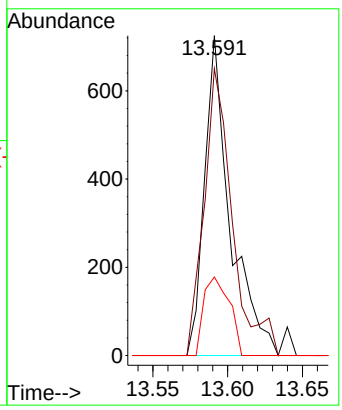


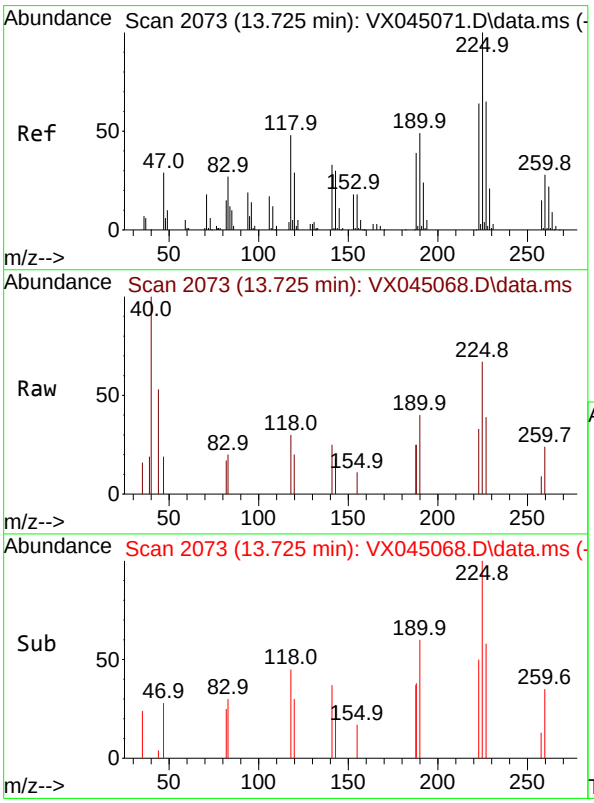
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 866

Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9

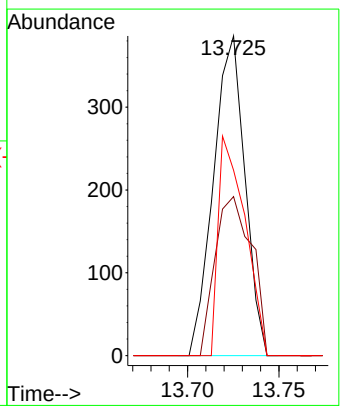


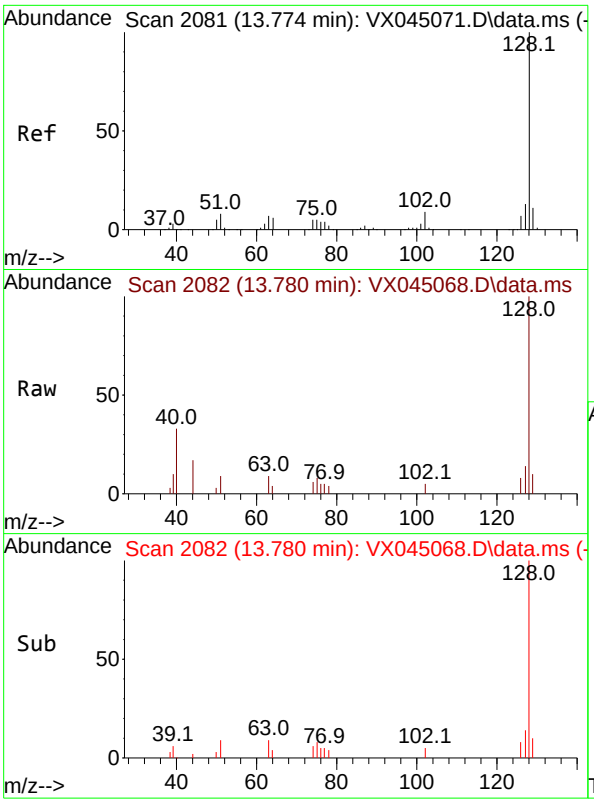


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0



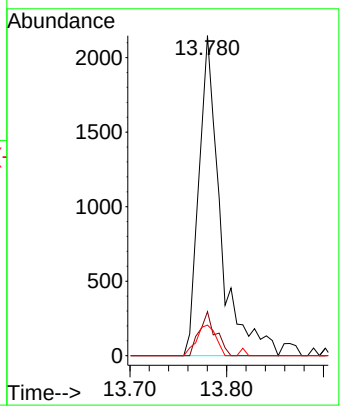


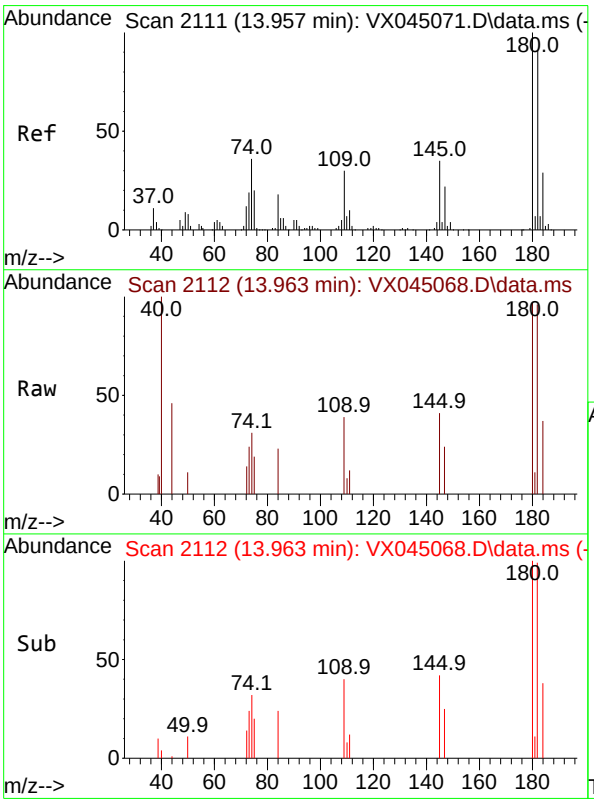
#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 3337

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#

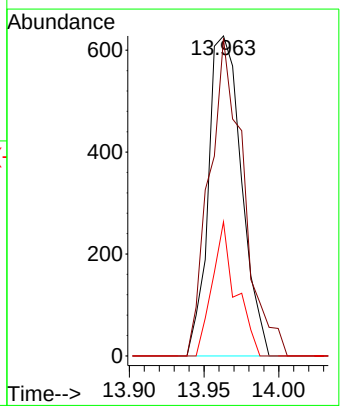




#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#			
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#			
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#			
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	7224	24.859	ug/l		99
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l		99
44) Trichloroethene	7.129	130	6827	5.234	ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l		95
46) Dibromomethane	7.586	93	5146	5.195	ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l		99
52) Toluene	8.720	92	16933	4.997	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l		97
69) o-Xylene	10.640	106	11881	4.914	ug/l		95
70) Styrene	10.659	104	18278	4.704	ug/l		99
71) Bromoform	10.799	173	4027	4.541	ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	10159	6.189	ug/l		89
77) Bromobenzene	11.195	156	6970	5.163	ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l		97
95) Naphthalene	13.780	128	22927	4.287	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

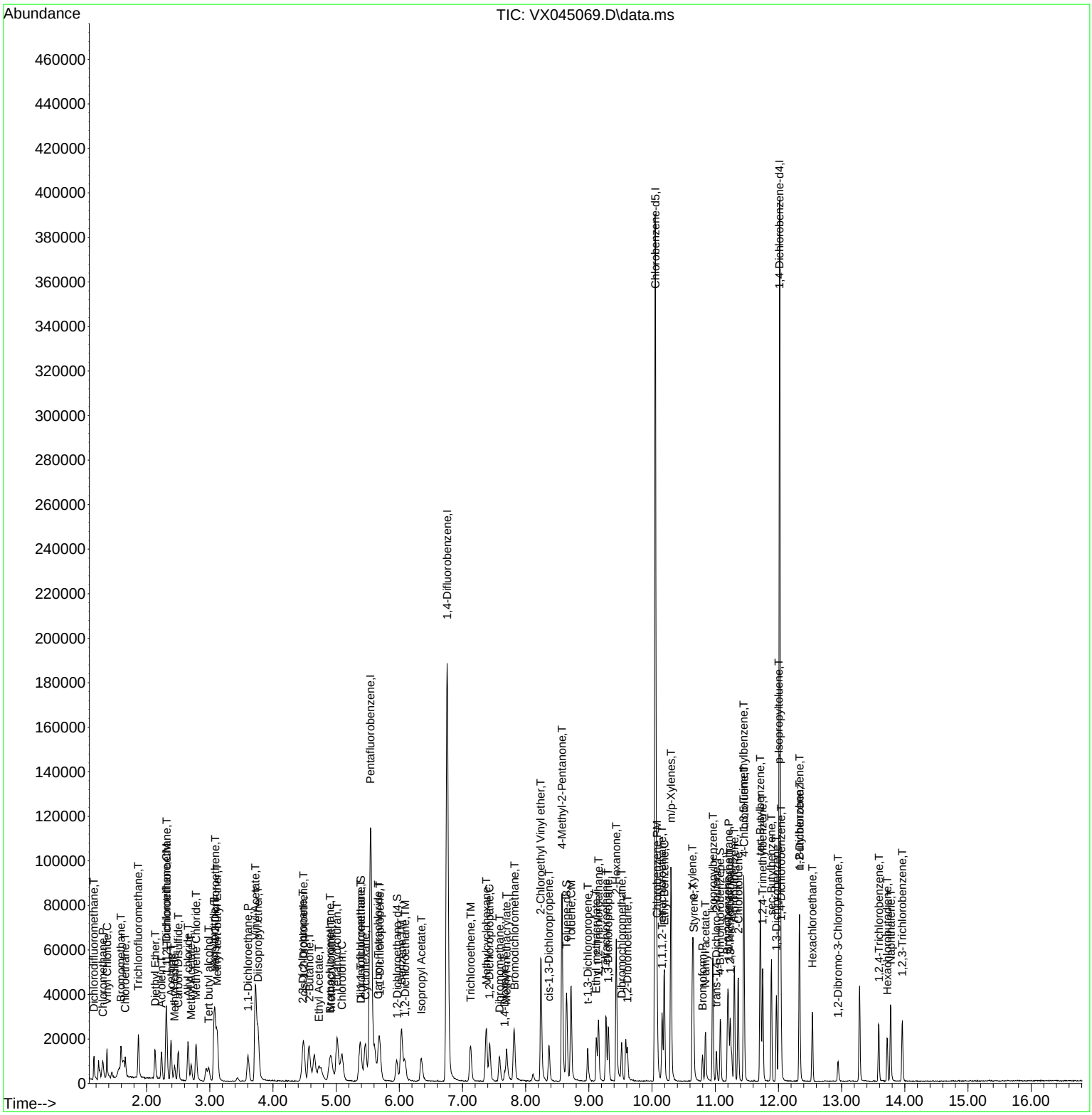
(#) = qualifier out of range (m) = manual integration (+) = signals summed

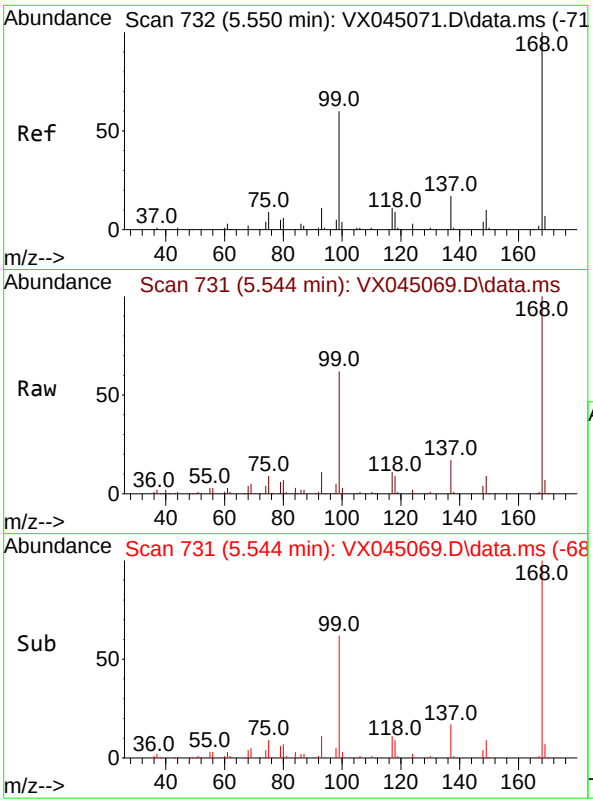
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



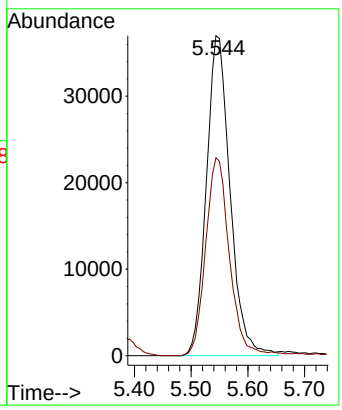


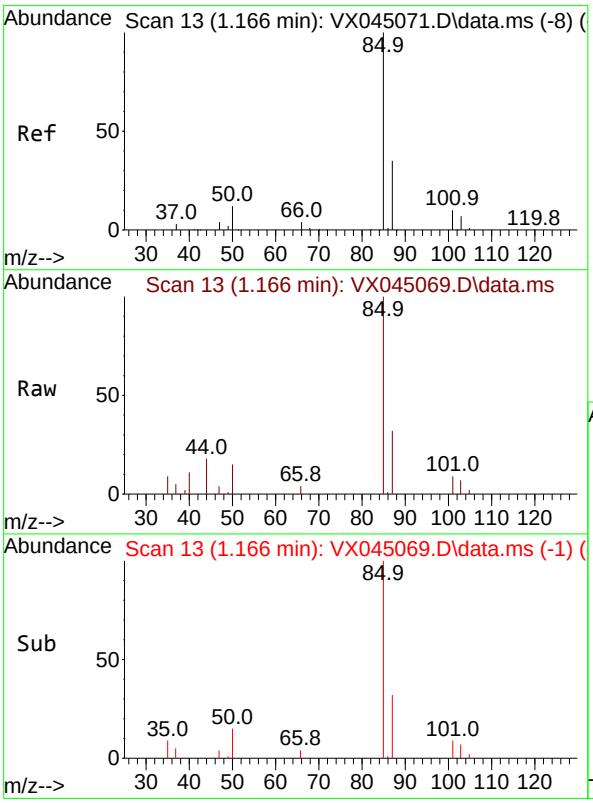
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 107391

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

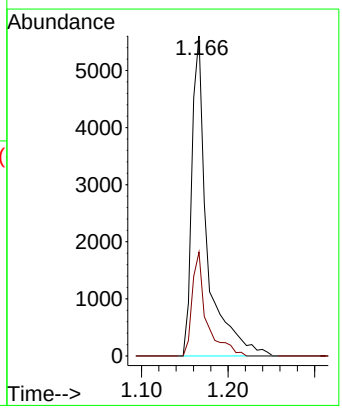


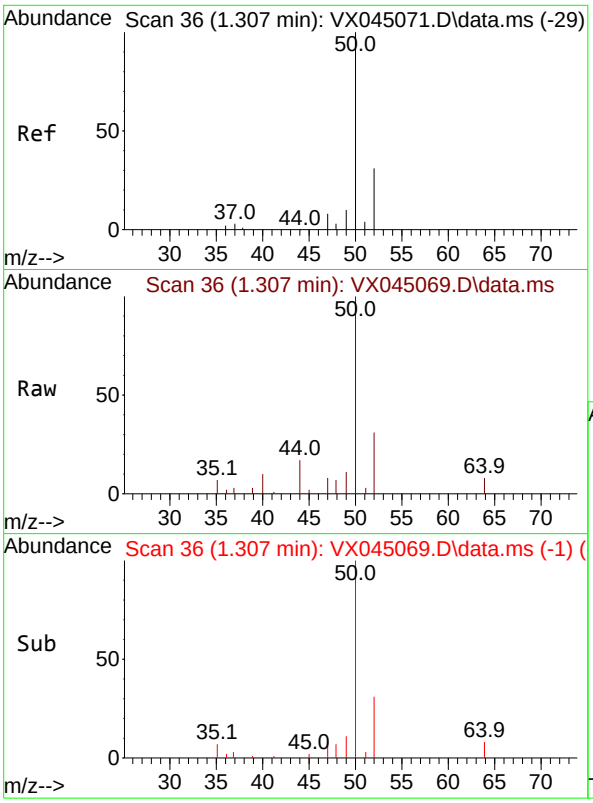


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3



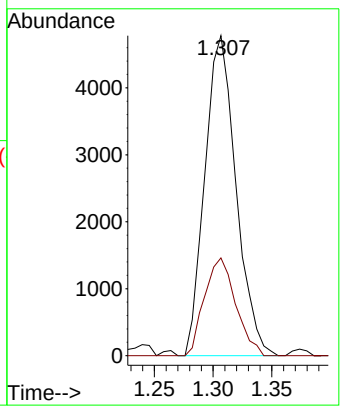


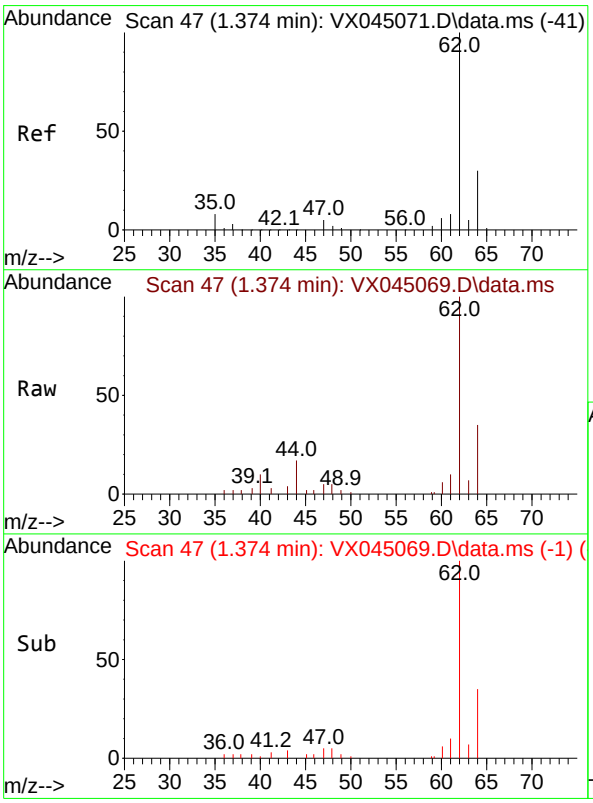
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 8819

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4

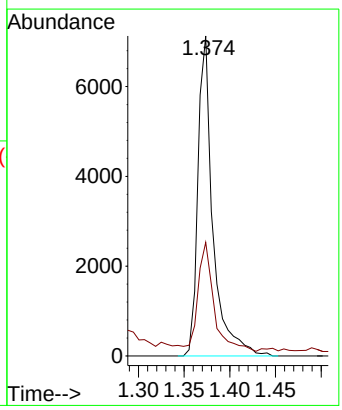


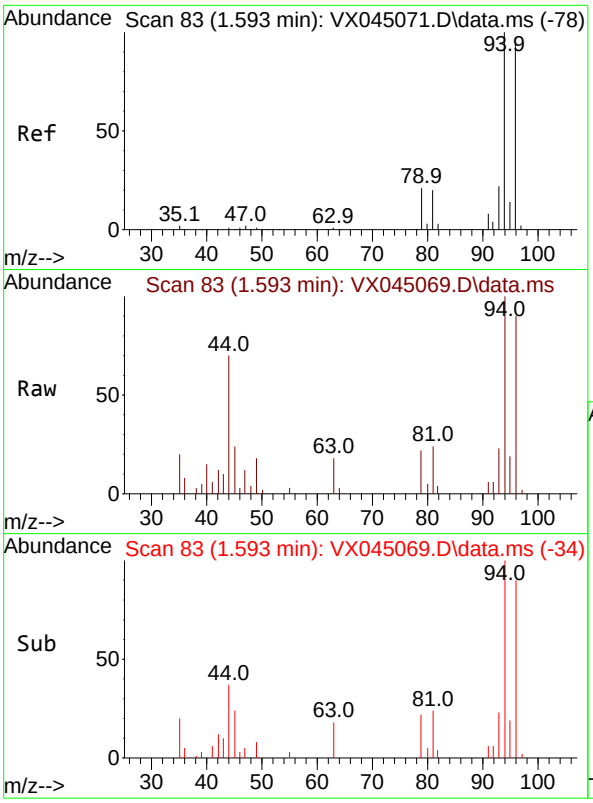


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5



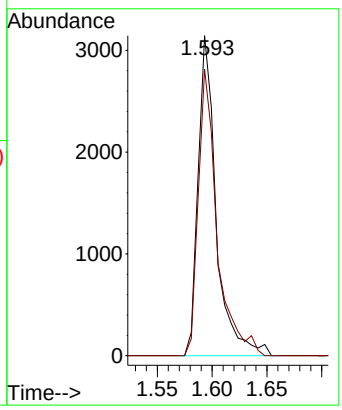


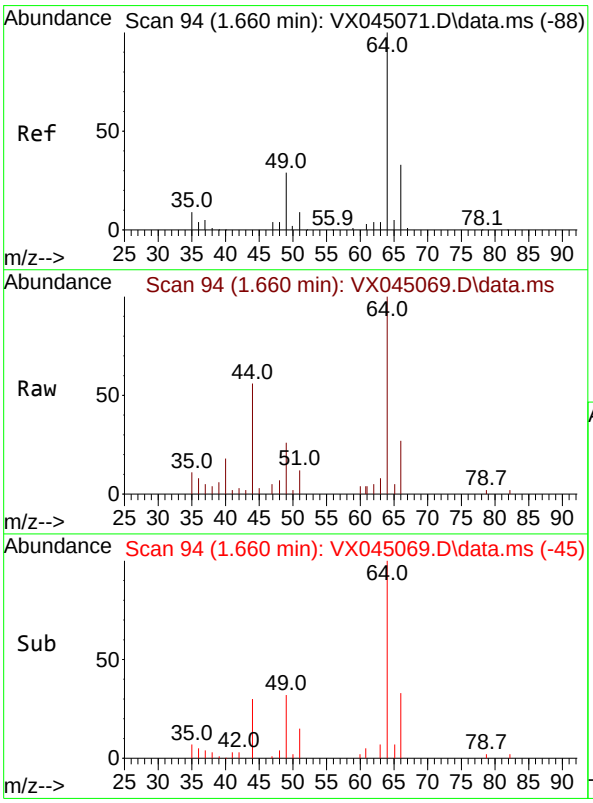
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4

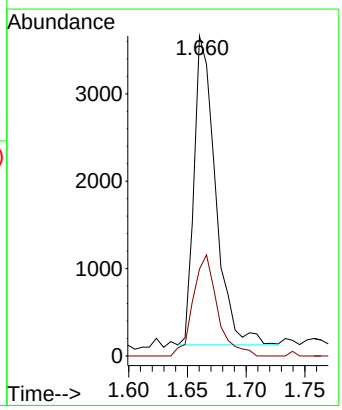


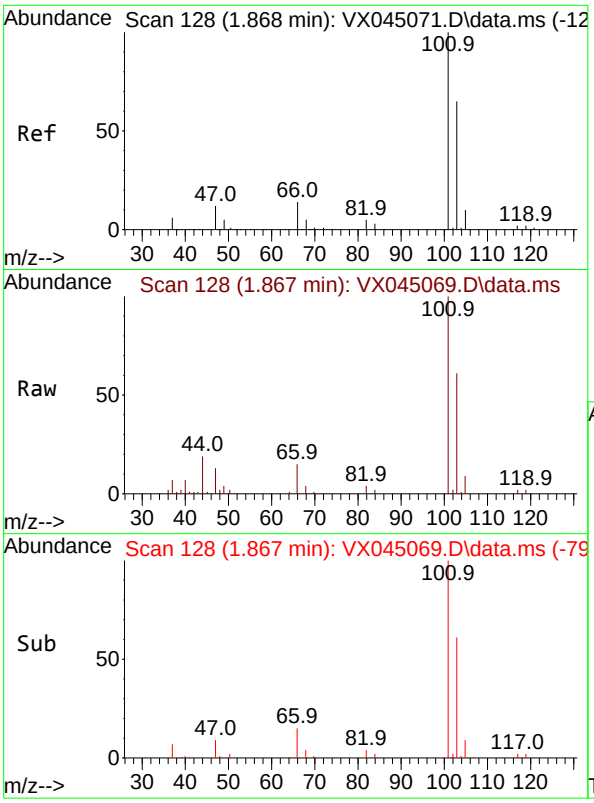


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1



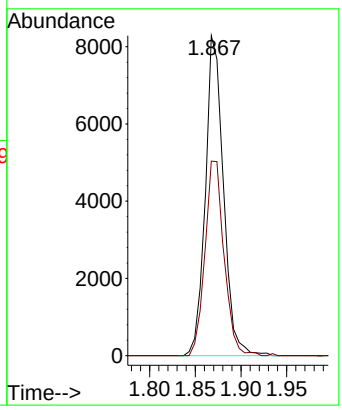


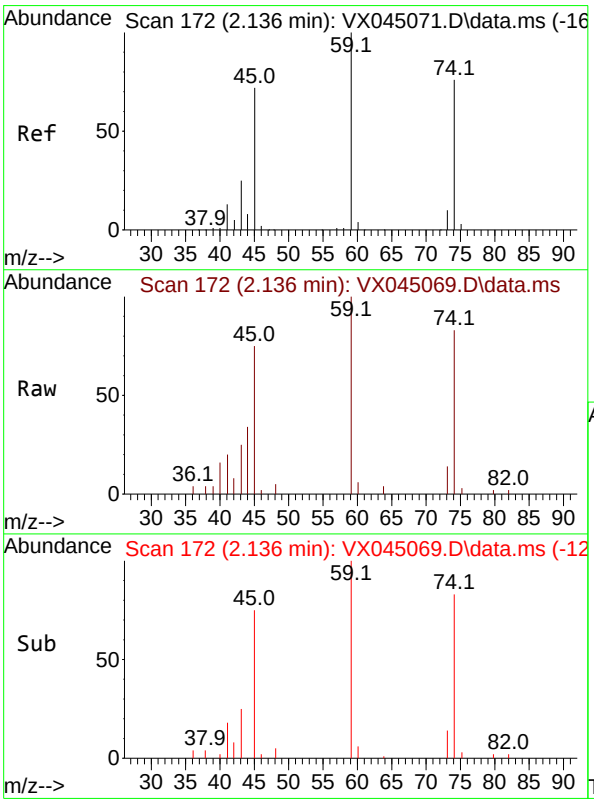
#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11392

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1

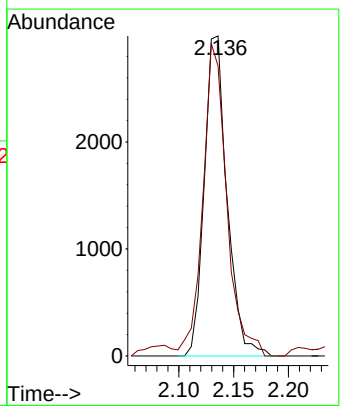


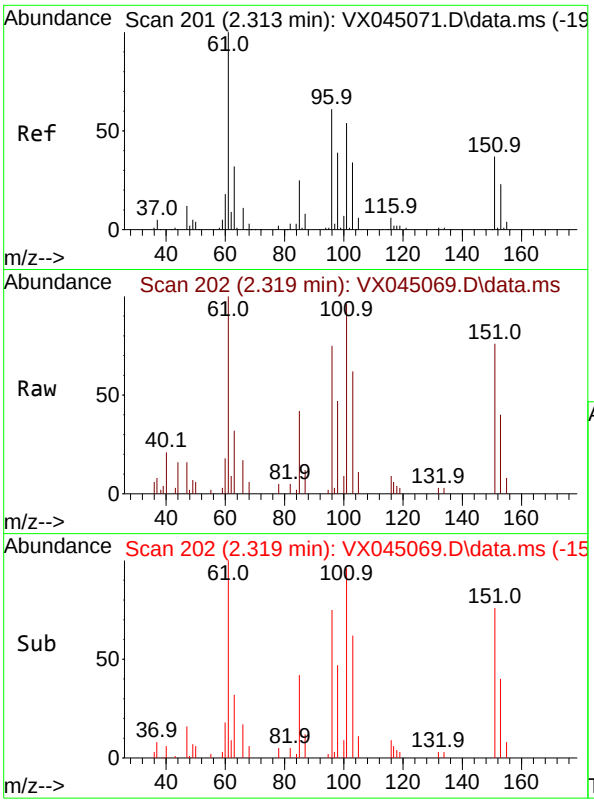


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5



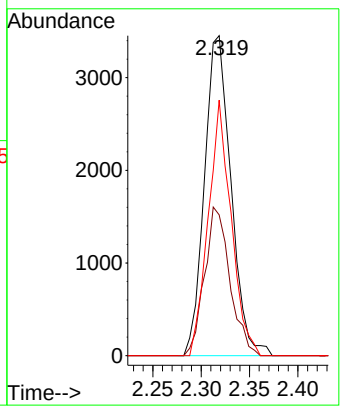


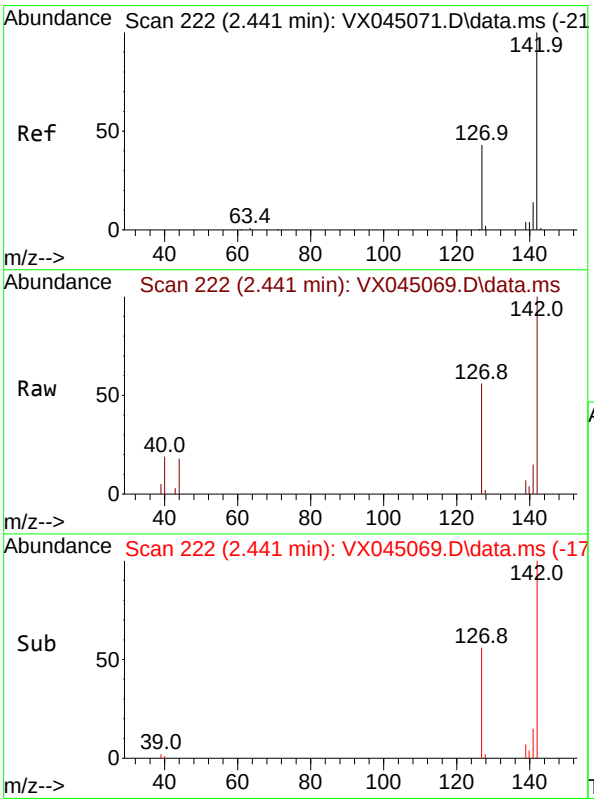
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 6586

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

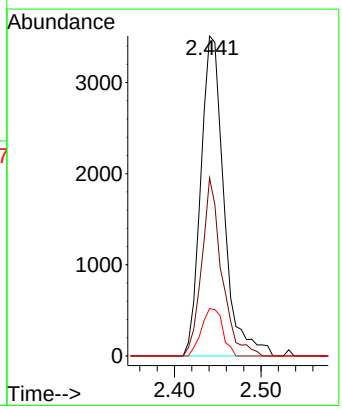


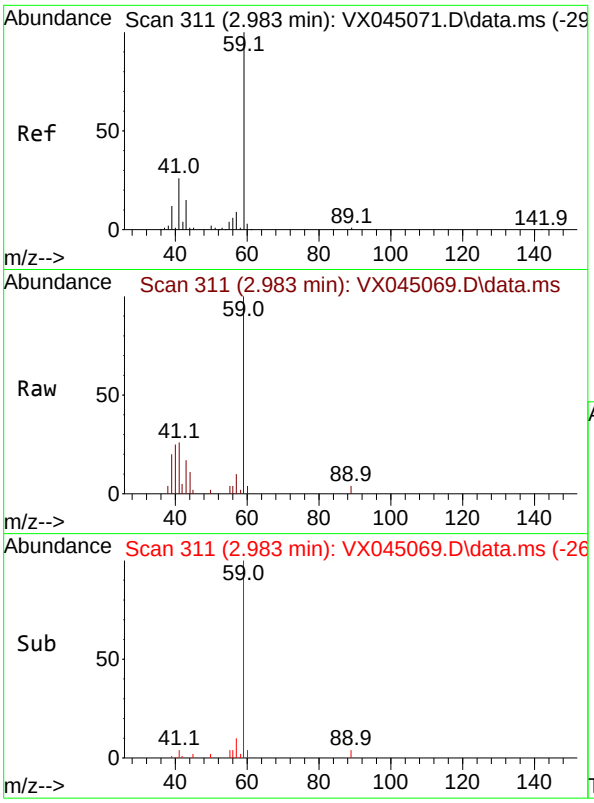


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4



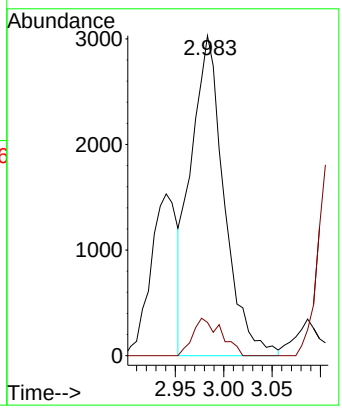


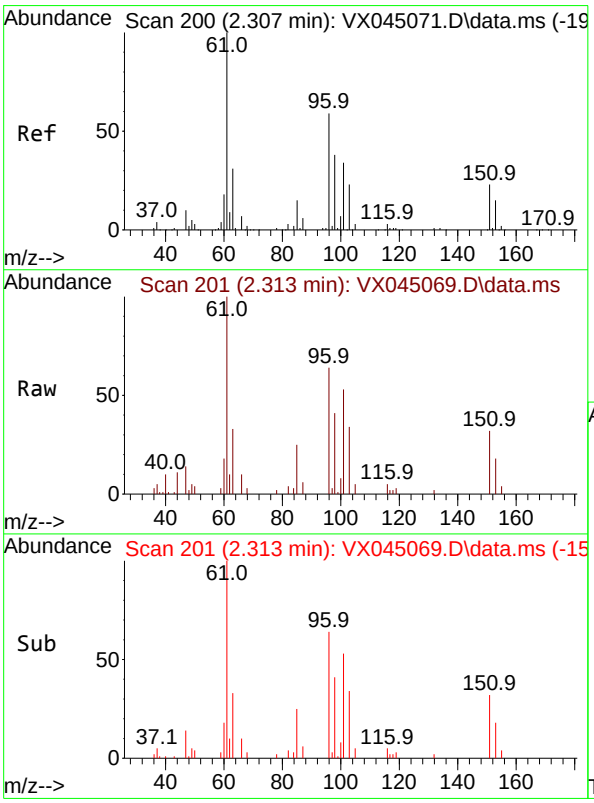
#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7224

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

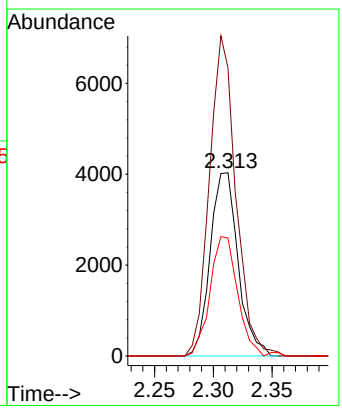


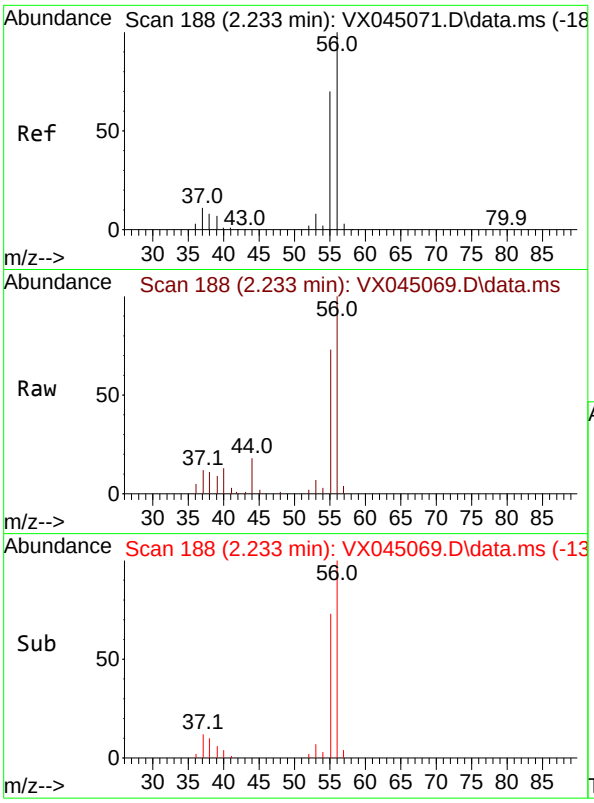


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6



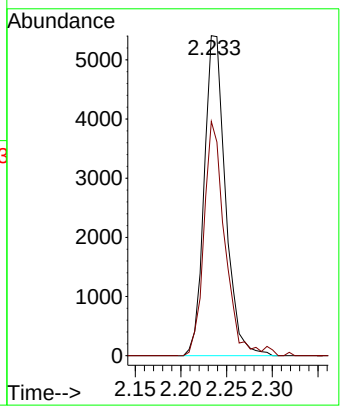


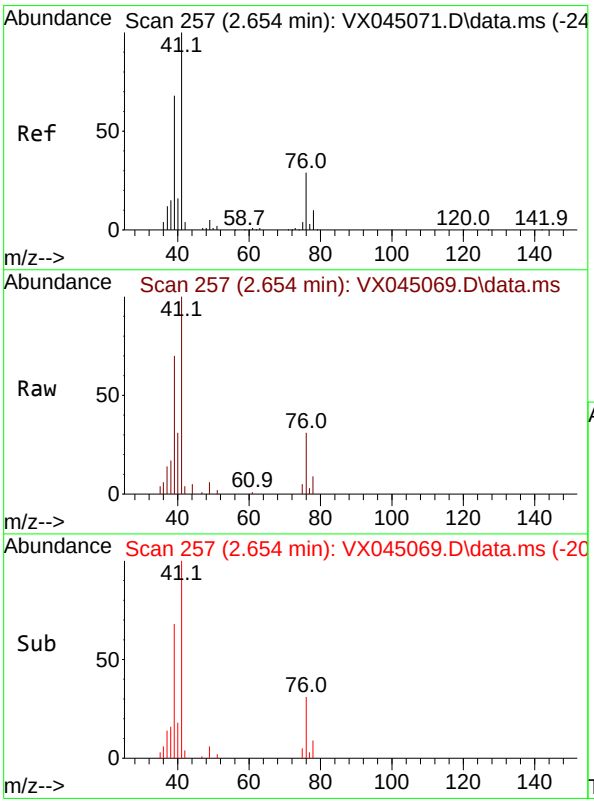
#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

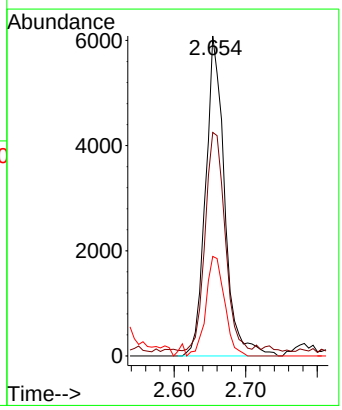


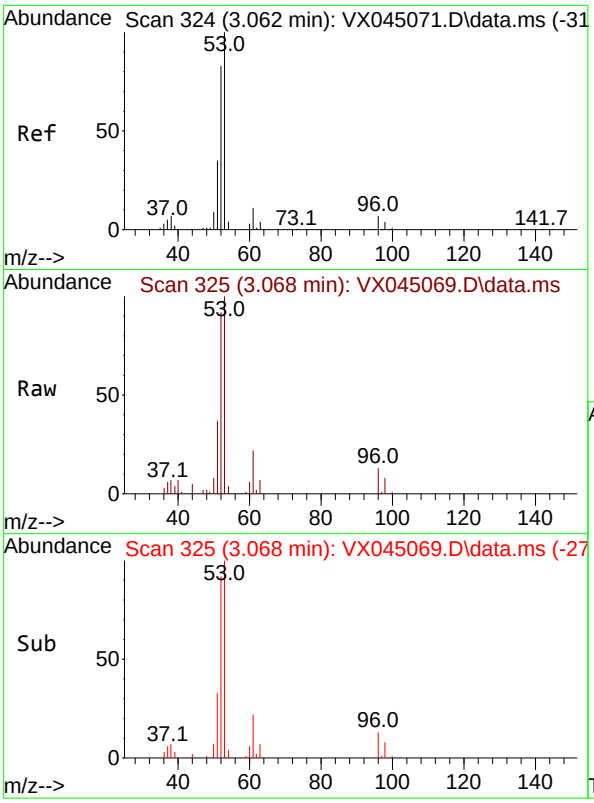


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8



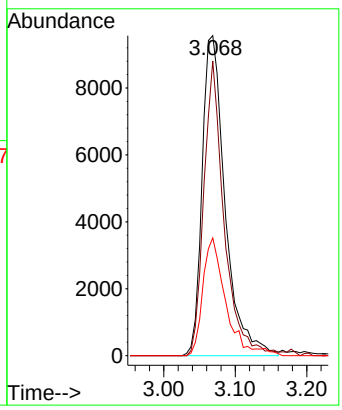


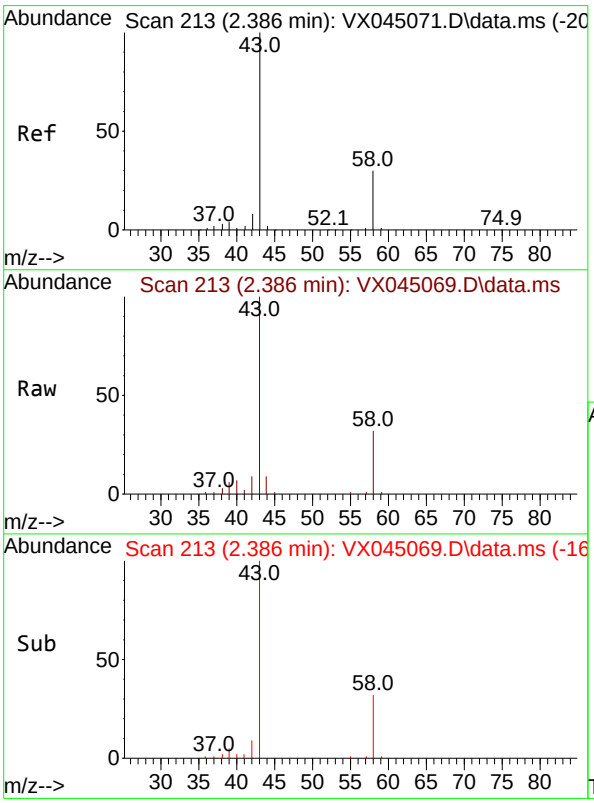
#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 21381

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4

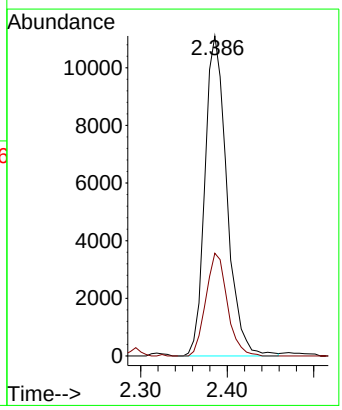


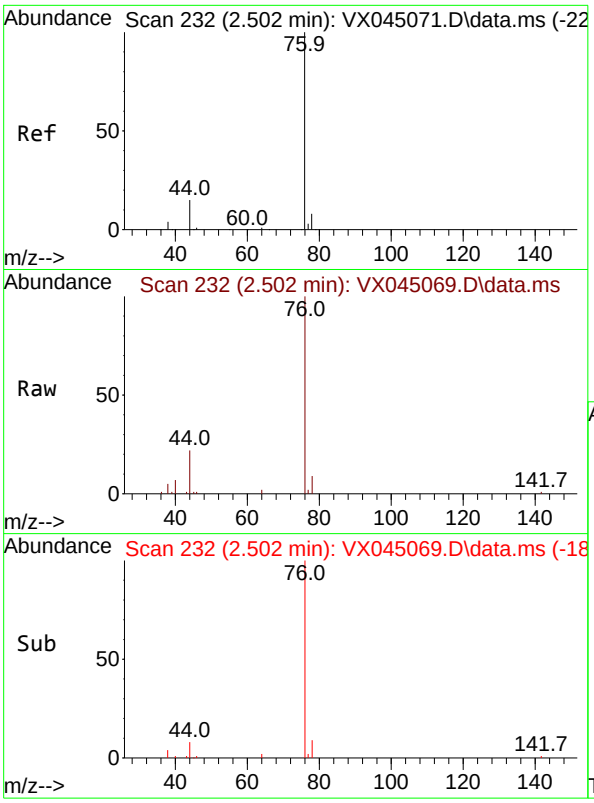


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



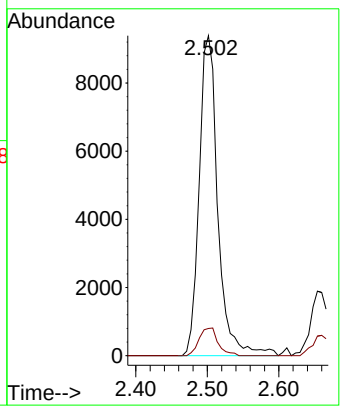


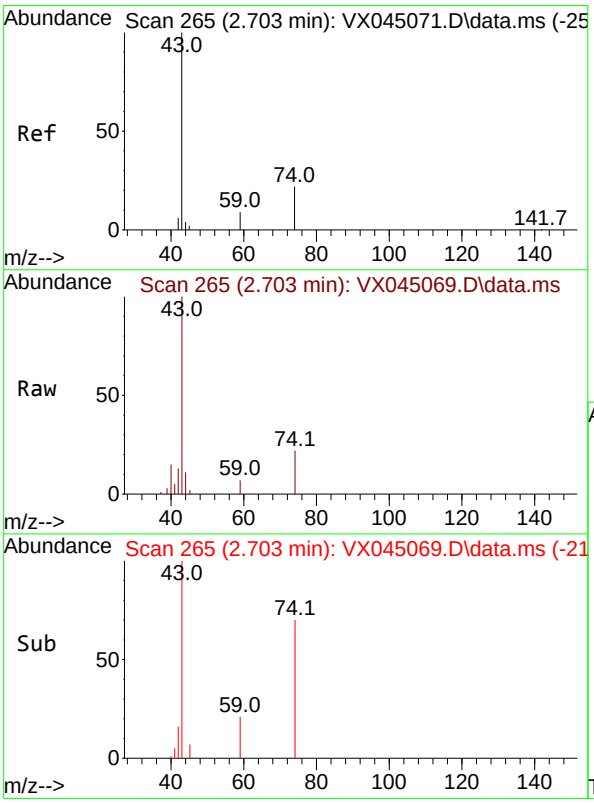
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

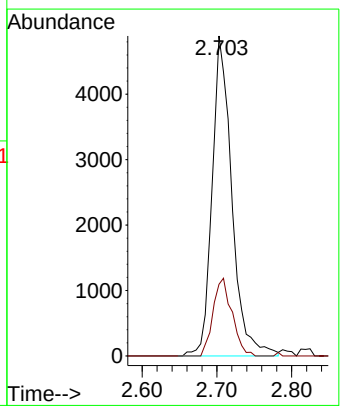


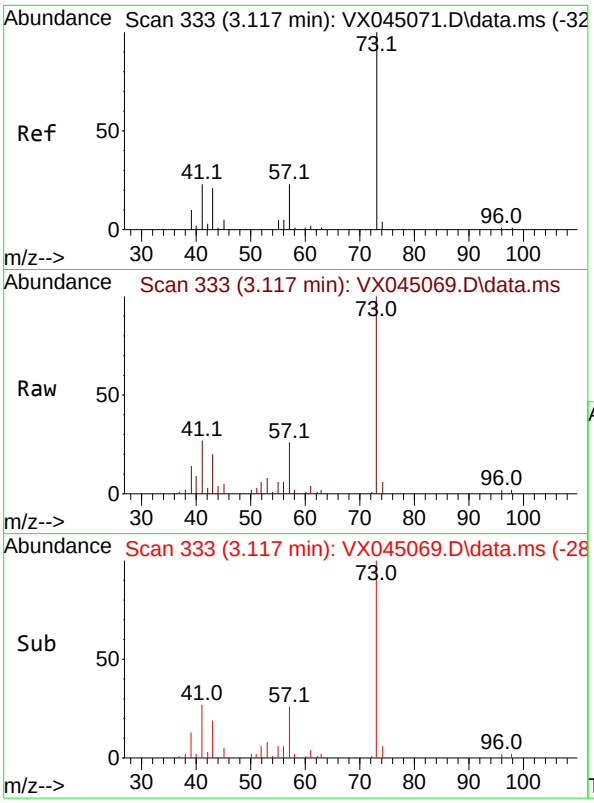


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2



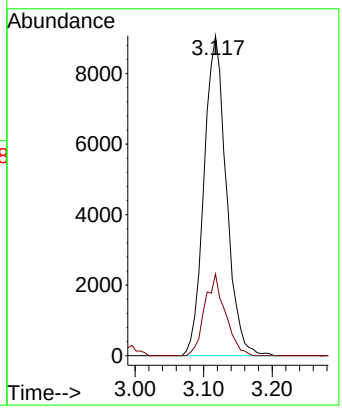


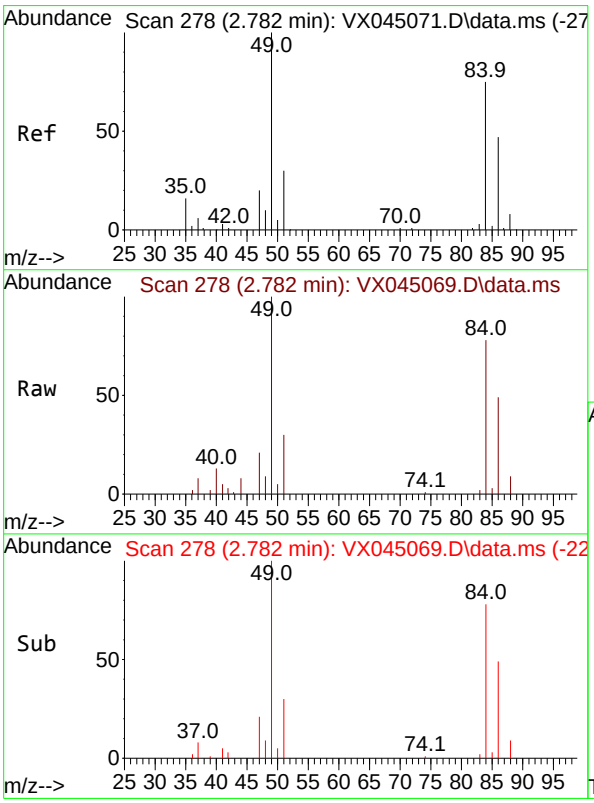
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20546

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

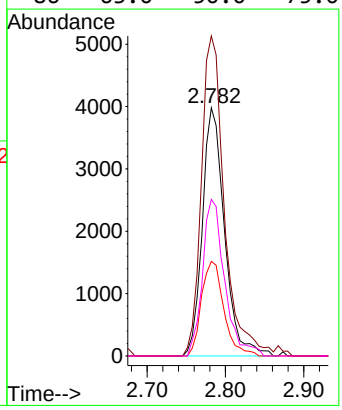


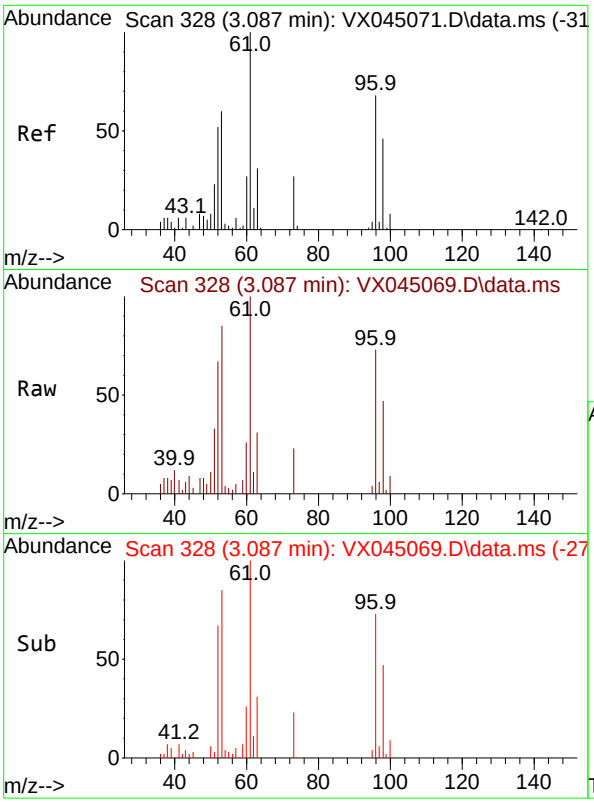


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0



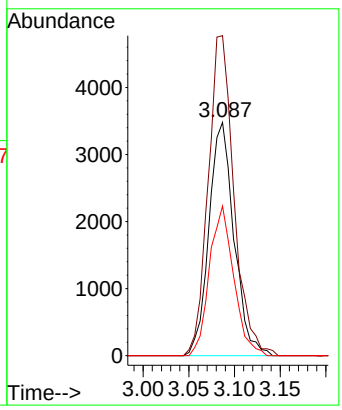


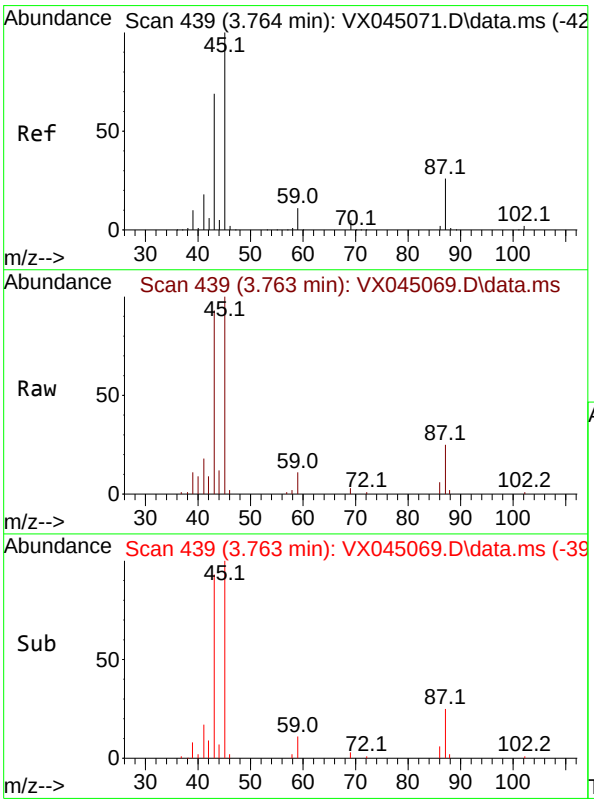
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 6651

Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2

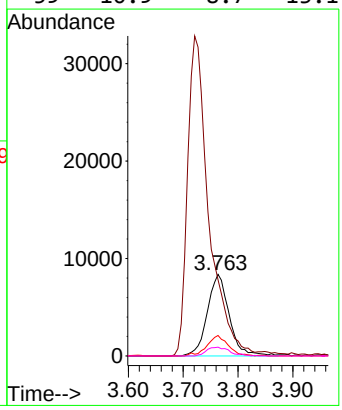


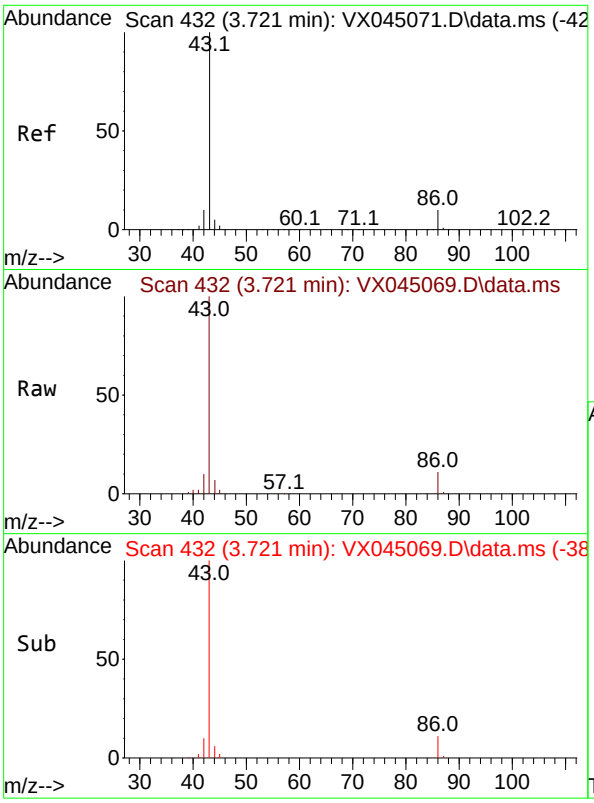


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1



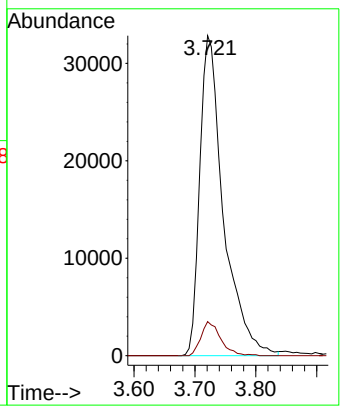


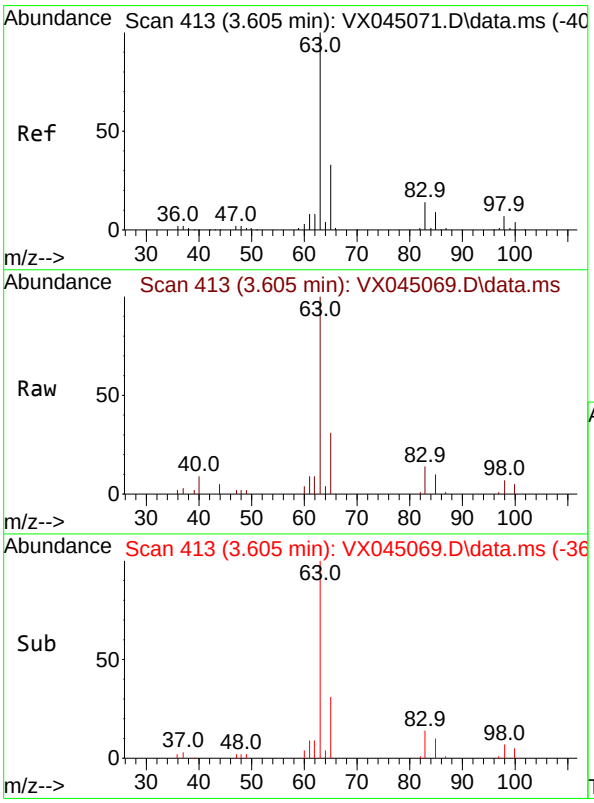
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 88852

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

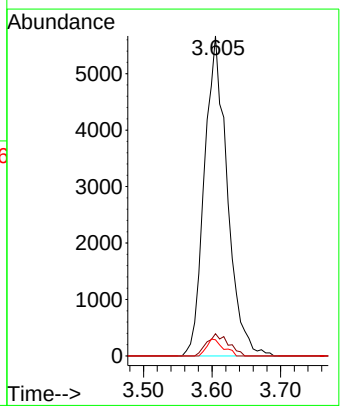


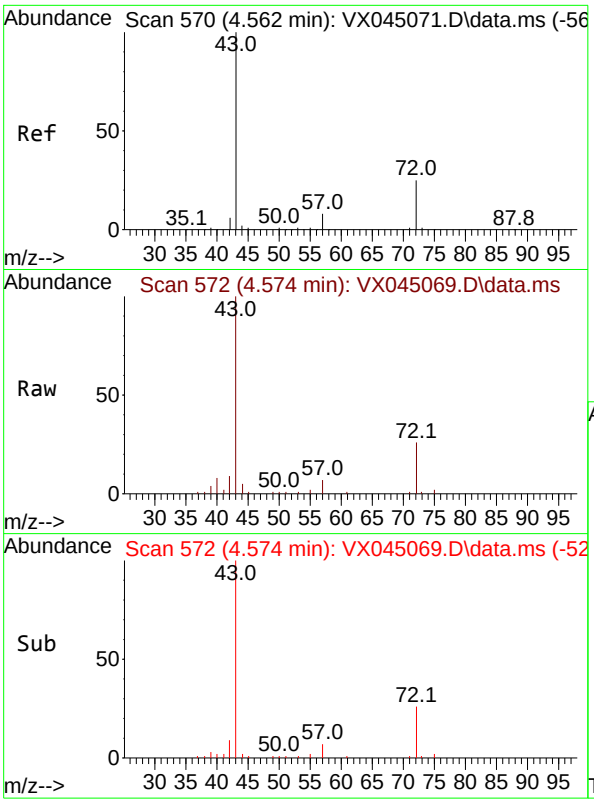


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5



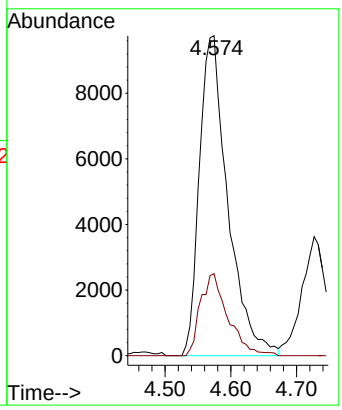


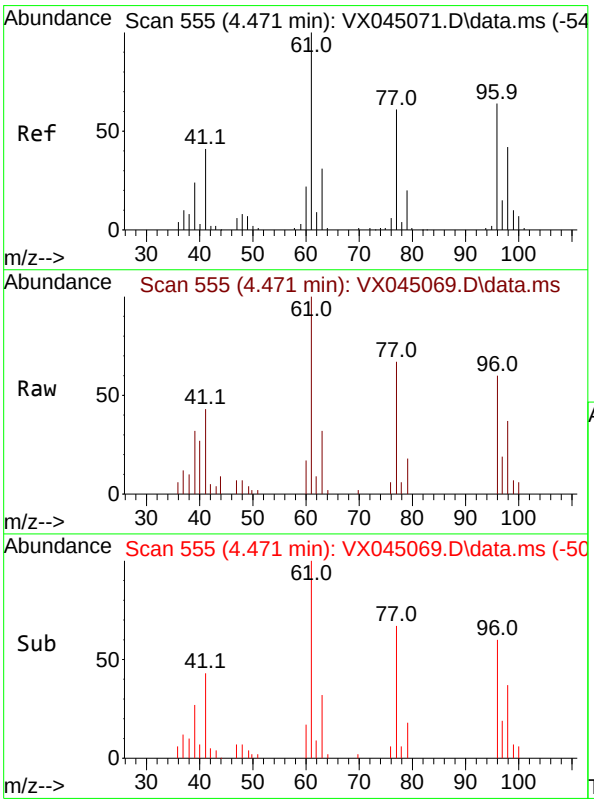
#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

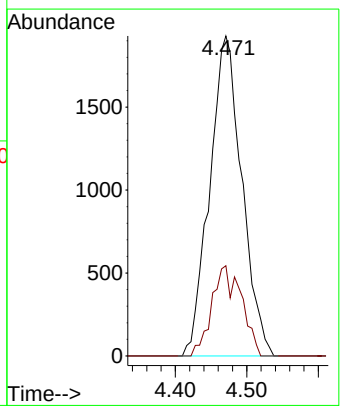


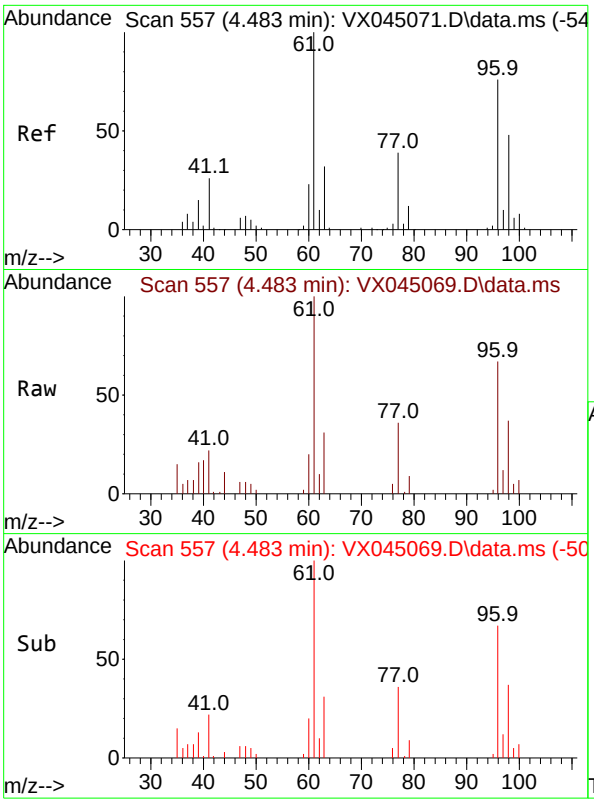


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0



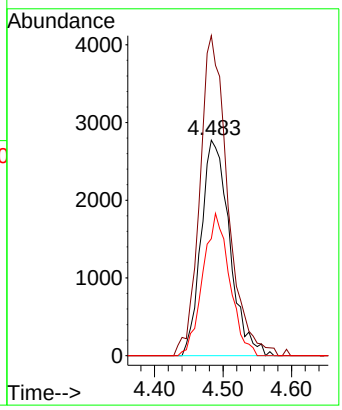


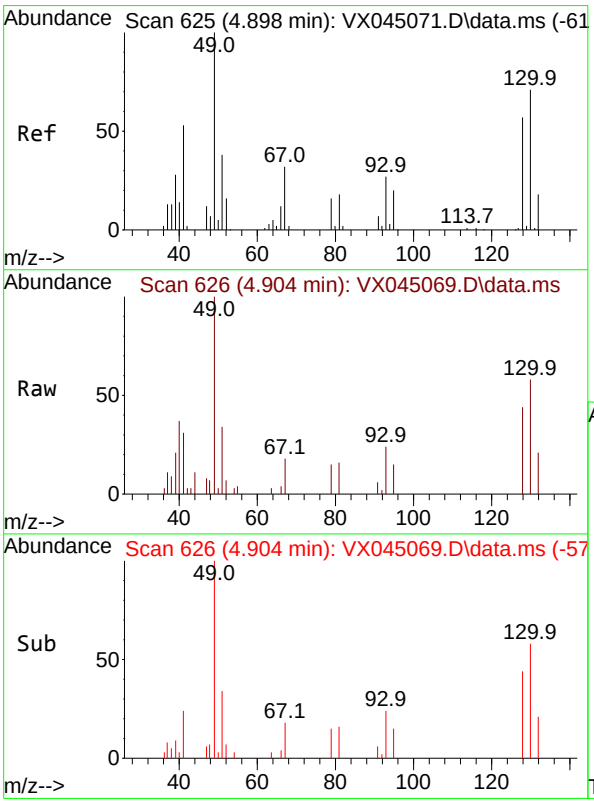
#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8012

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0

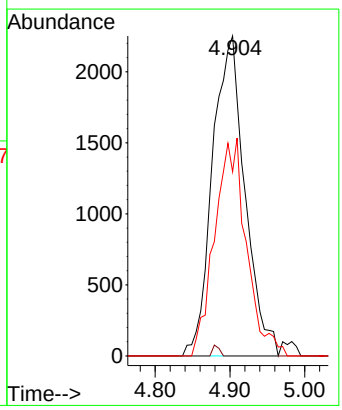


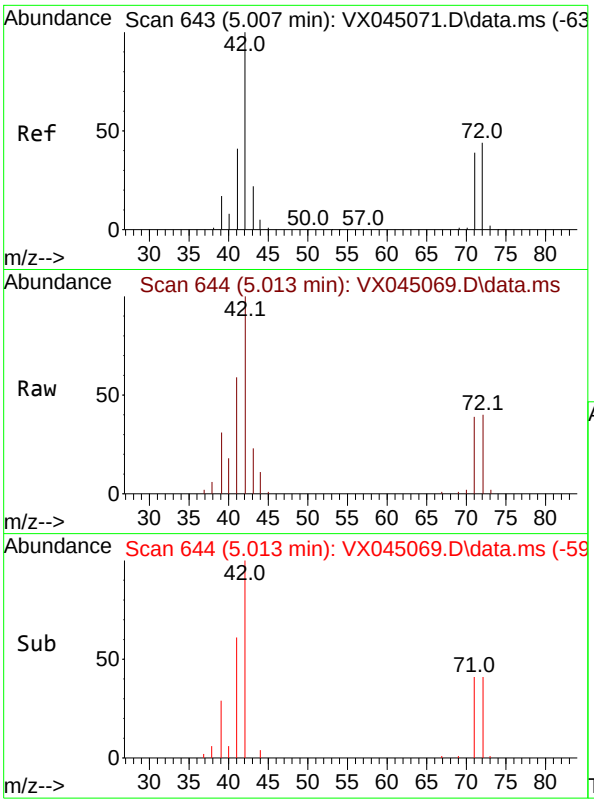


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1



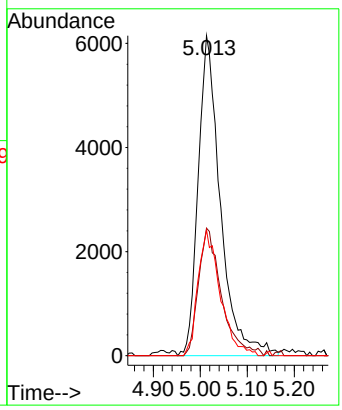


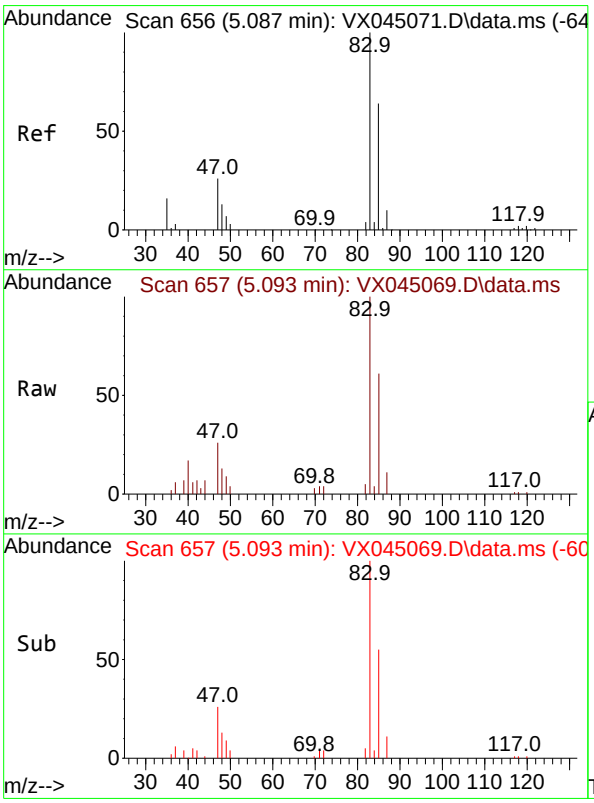
#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 20186

Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

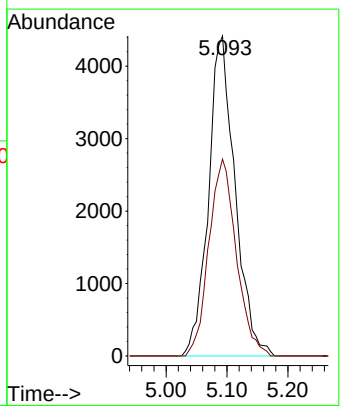


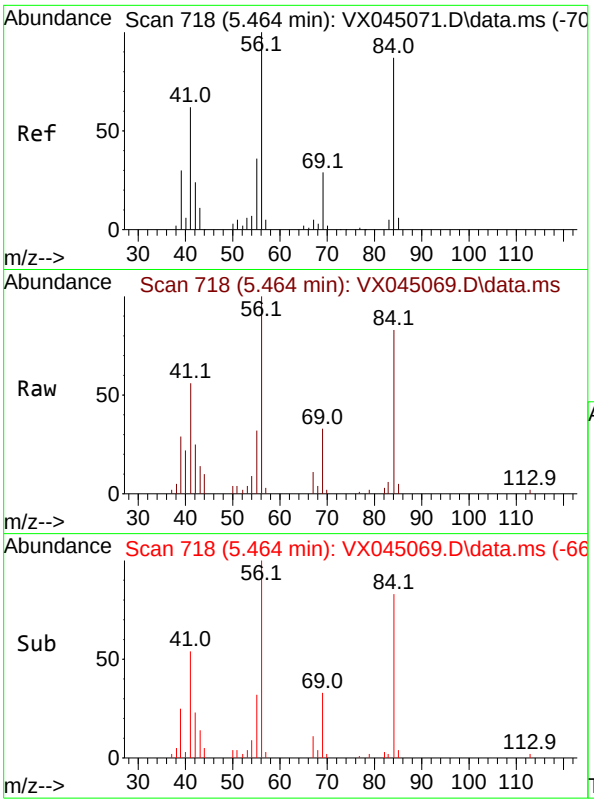


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2



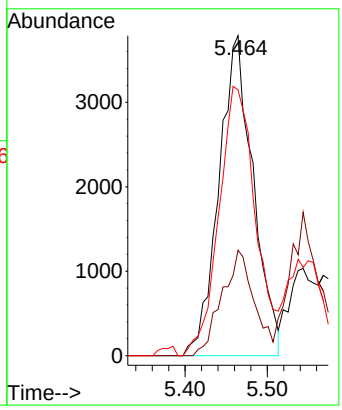


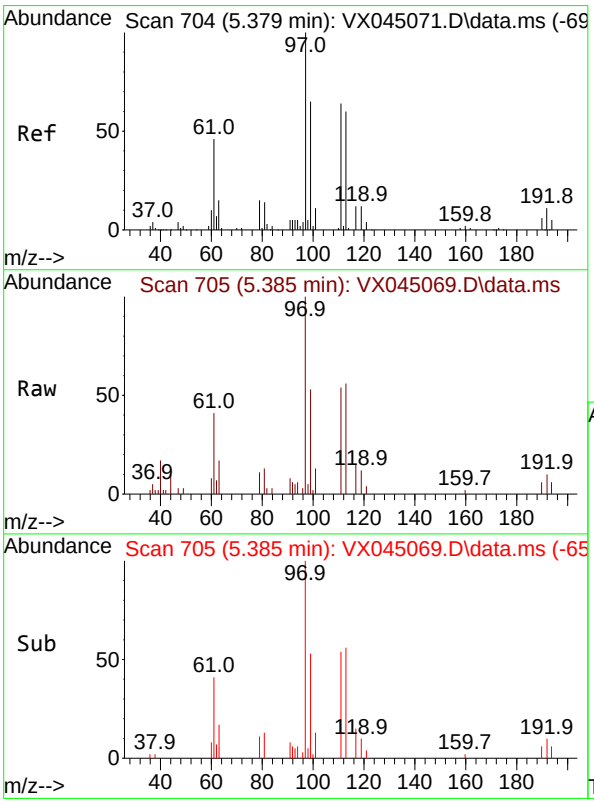
#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 10968

Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2

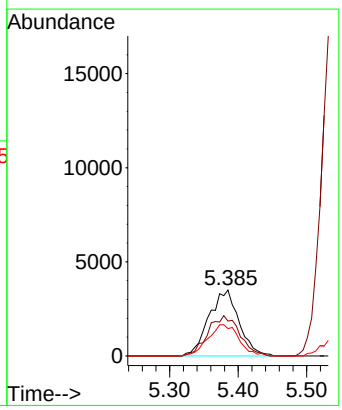


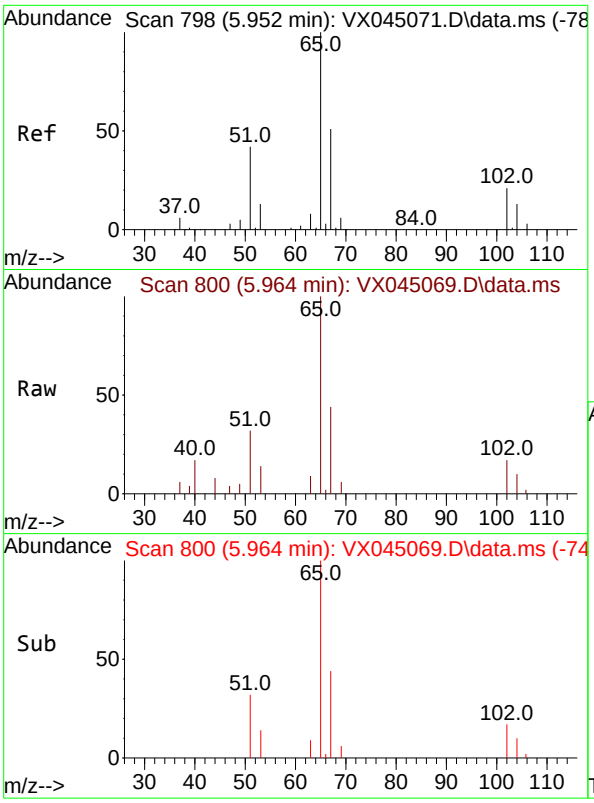


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6



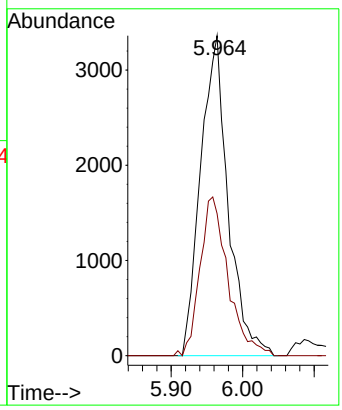


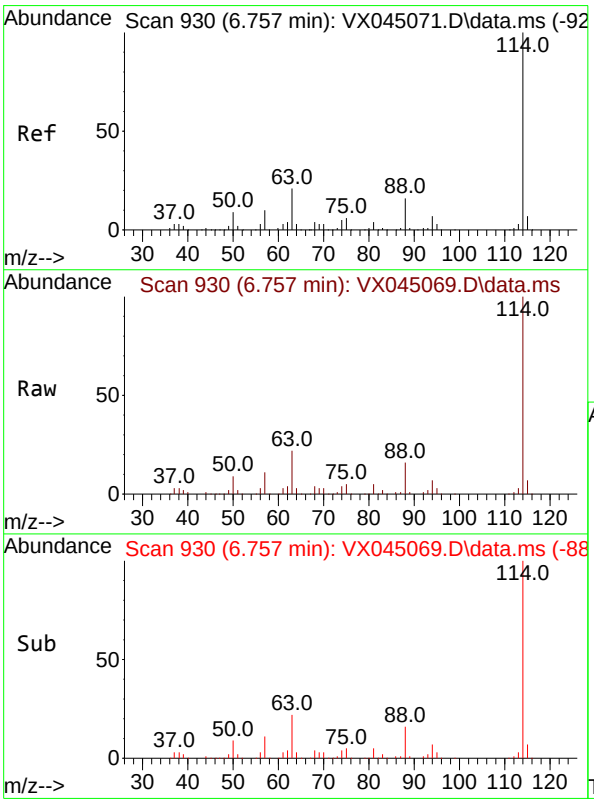
#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8978

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

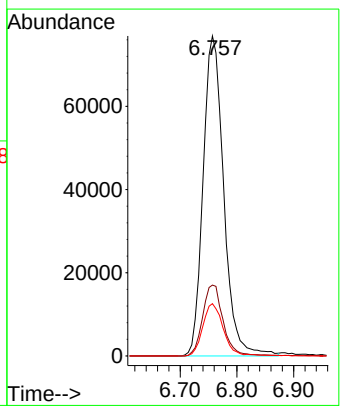


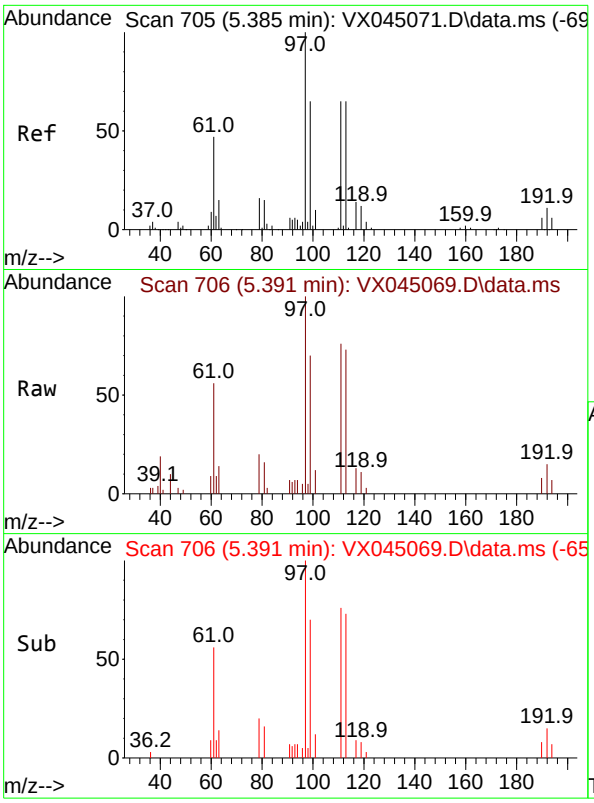


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8



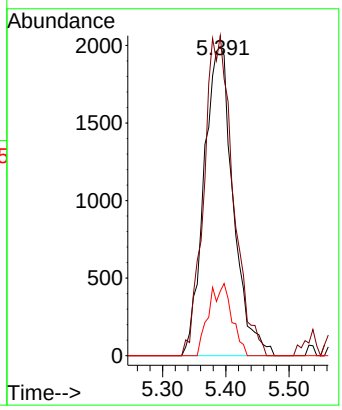


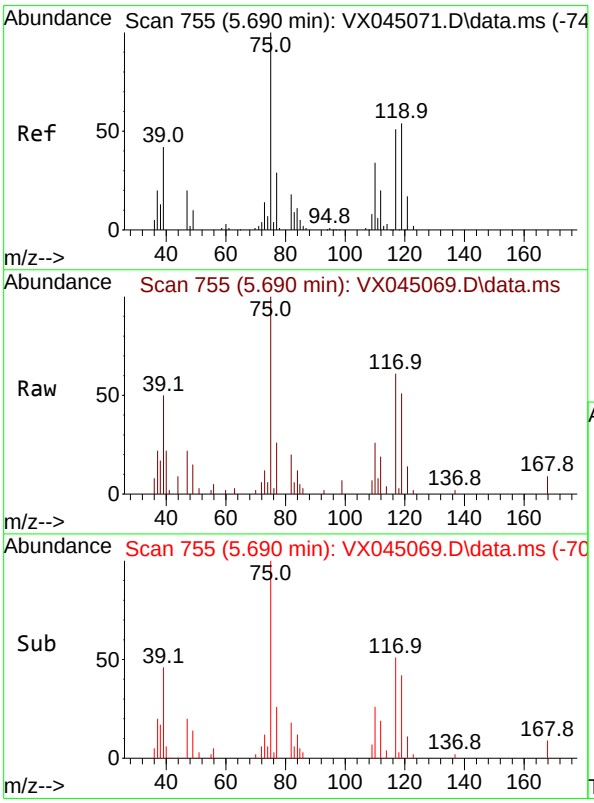
#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 6398

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5

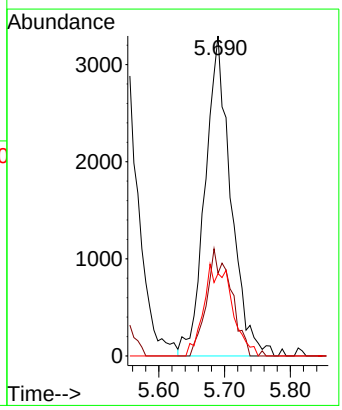


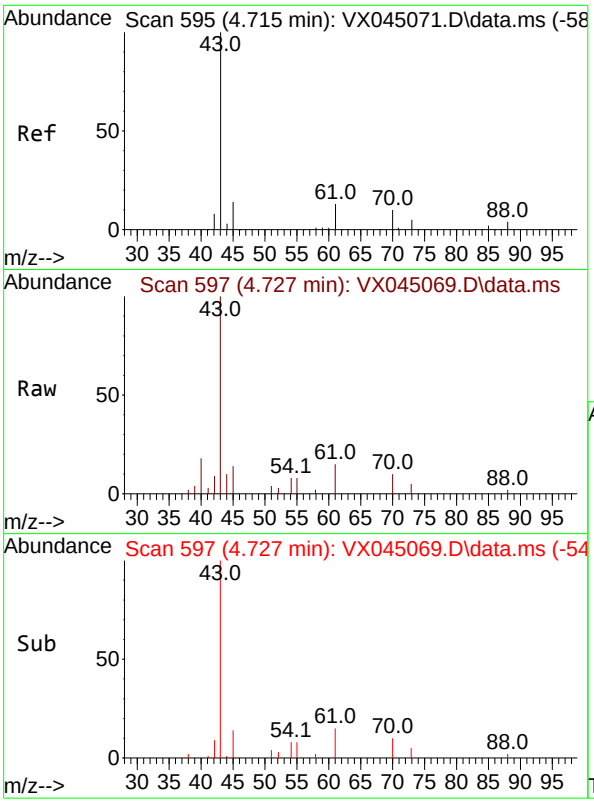


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#



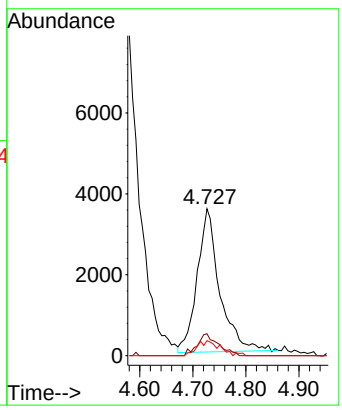


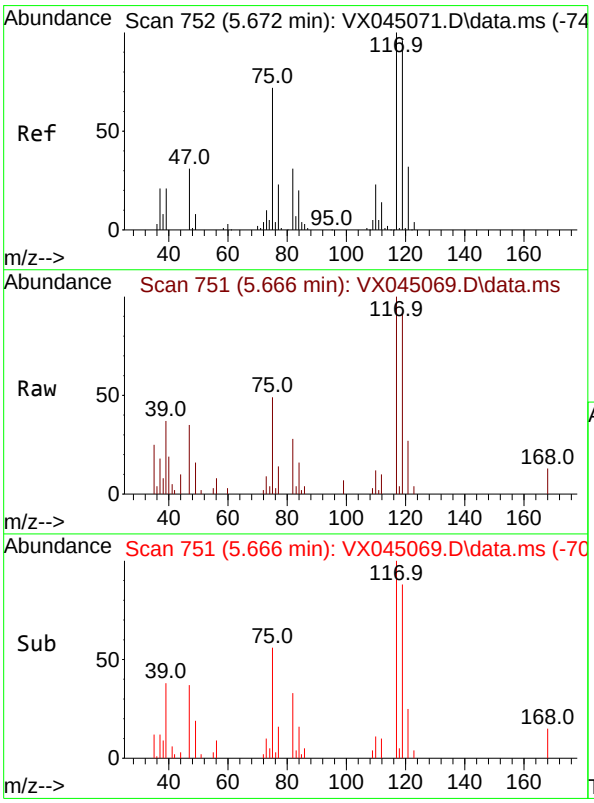
#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 10459

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5

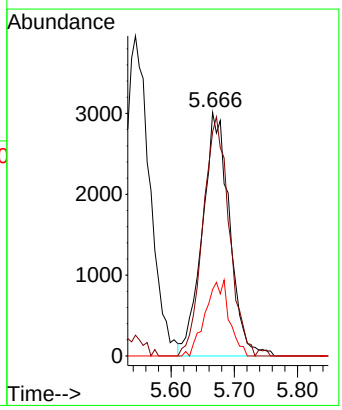


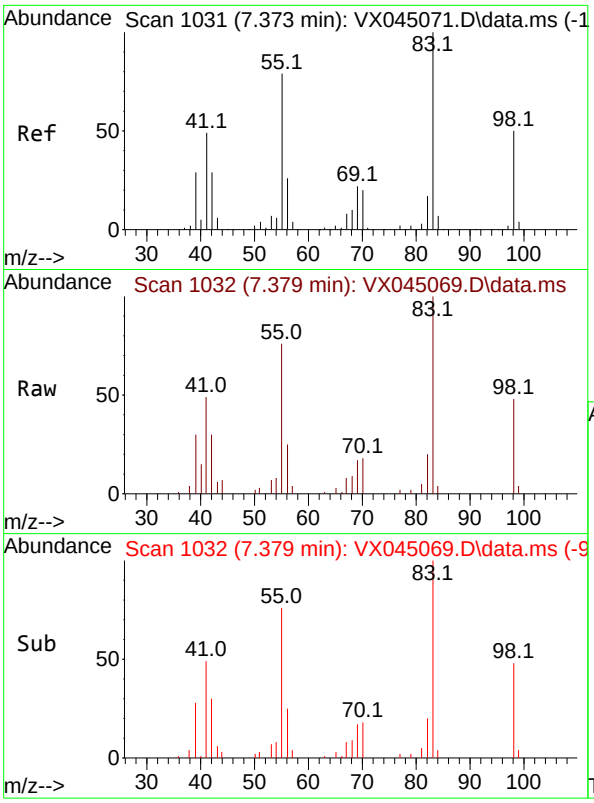


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3



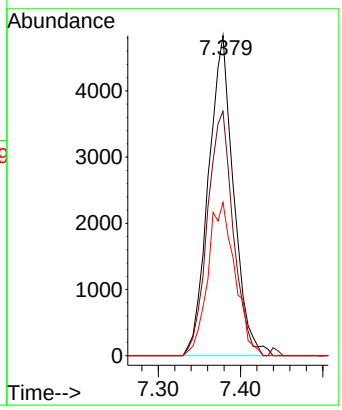


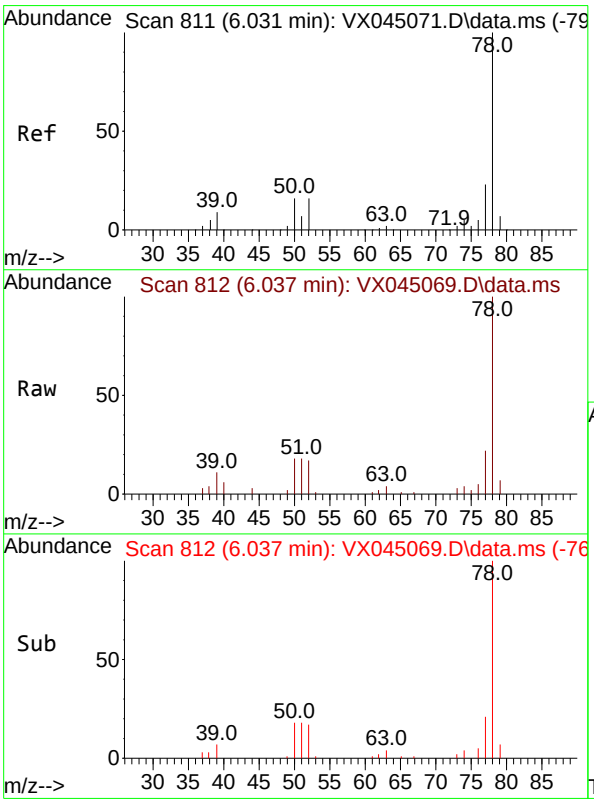
#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10291

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5

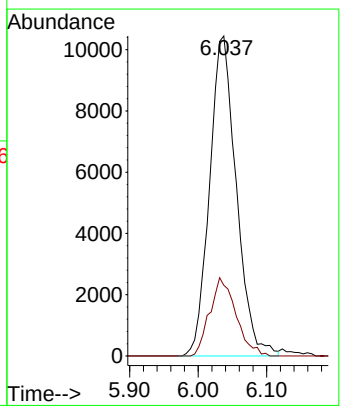


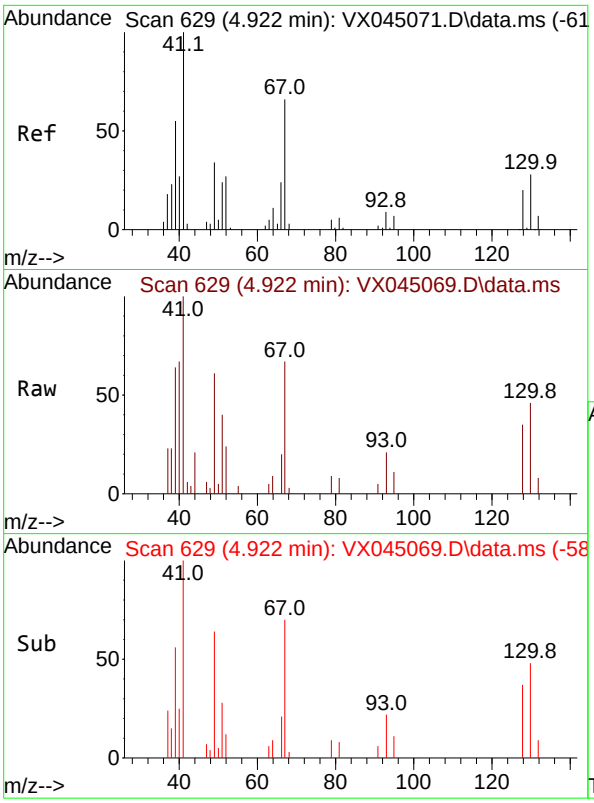


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2



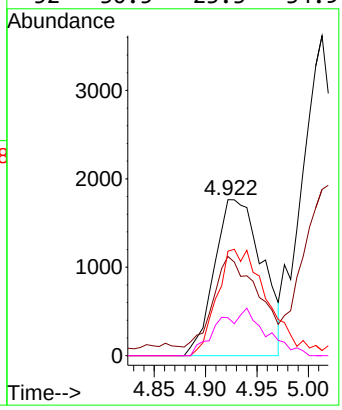


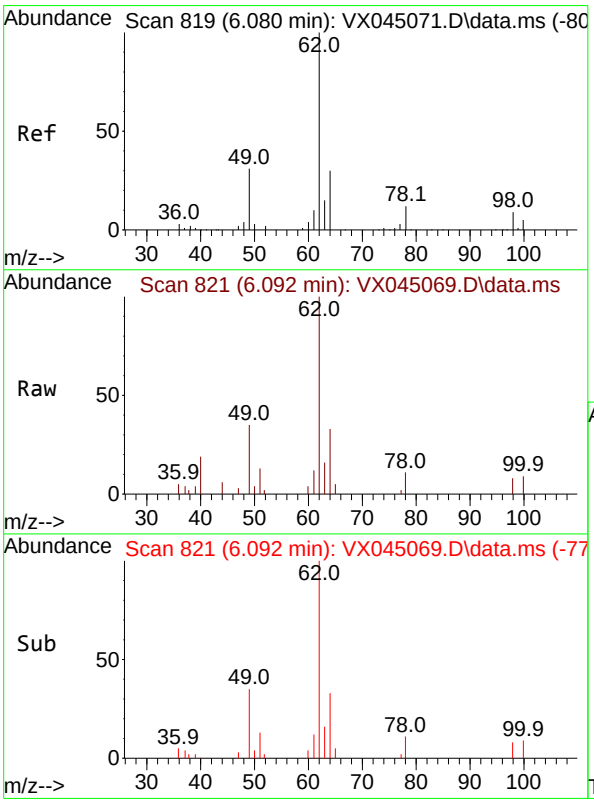
#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5700

Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9

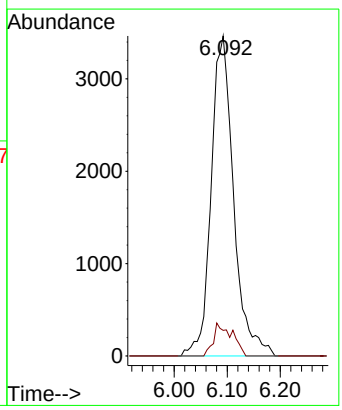


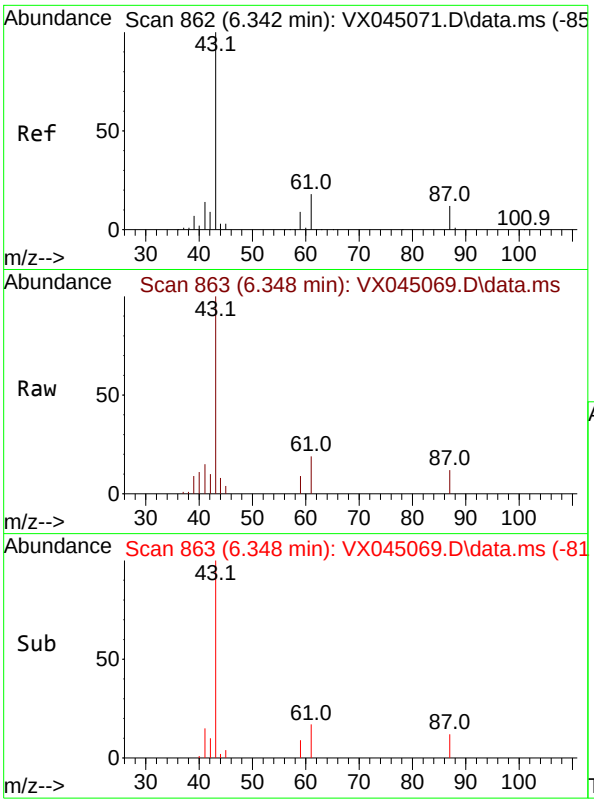


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



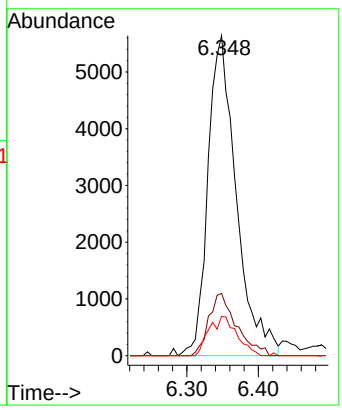


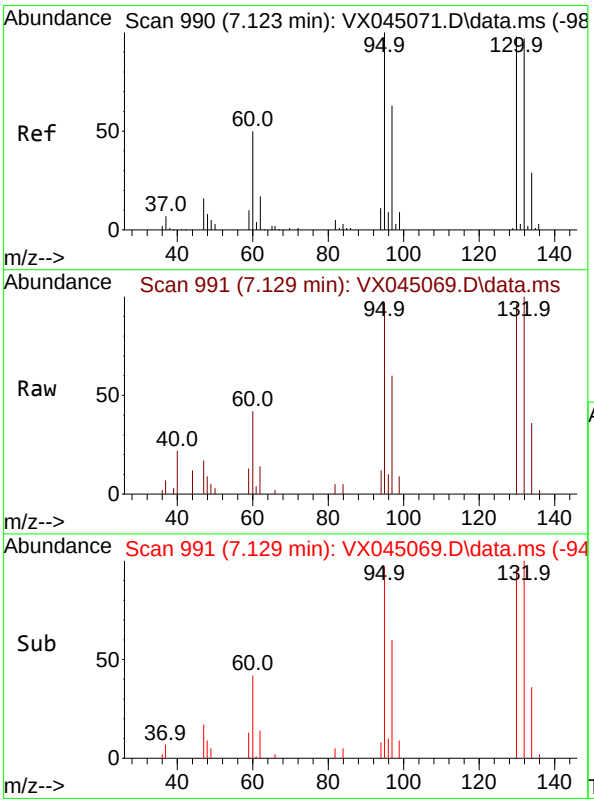
#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15543

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2

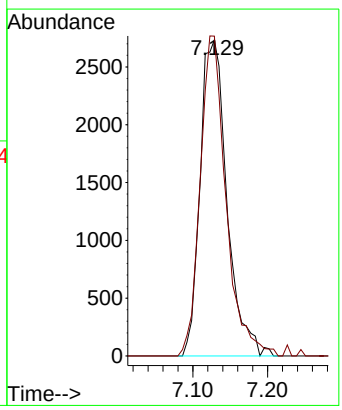


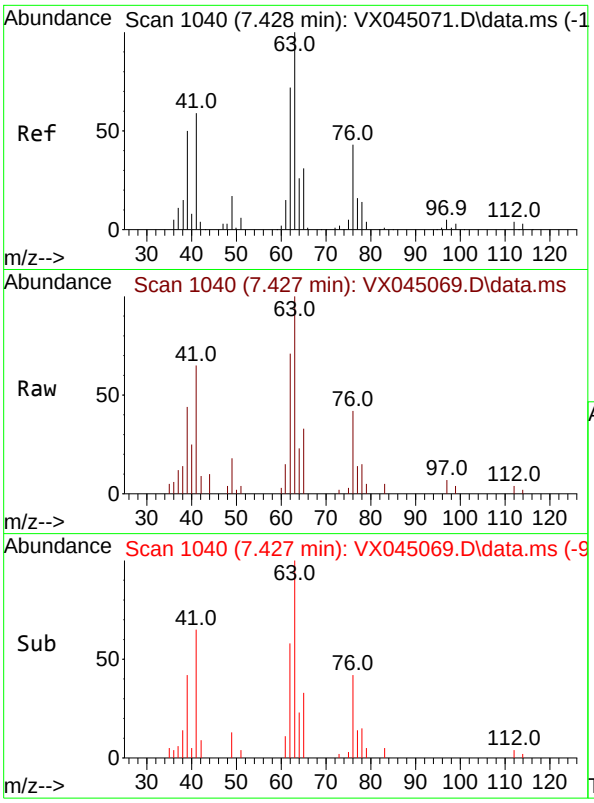


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



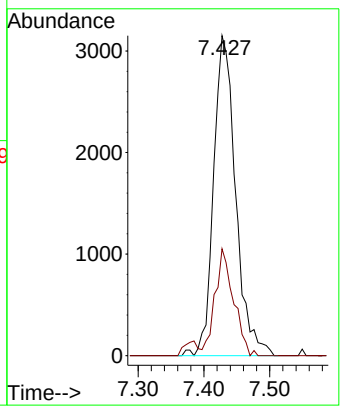


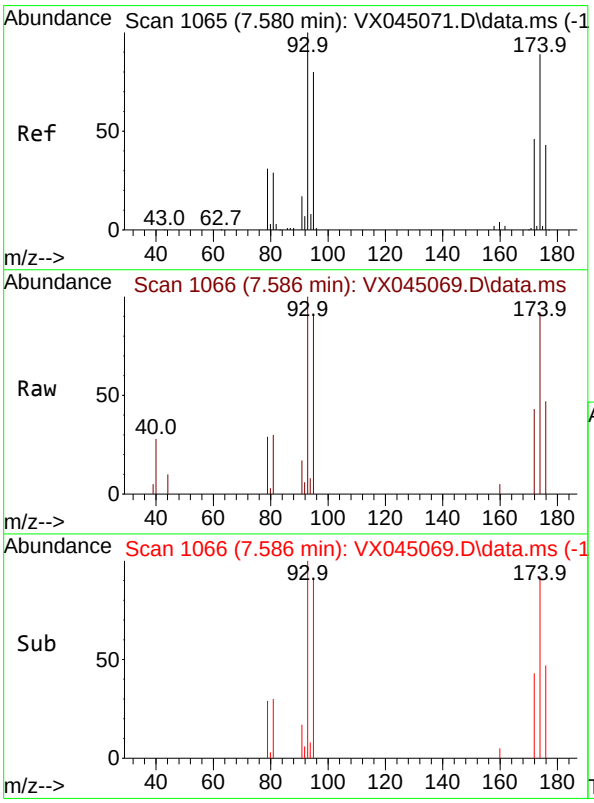
#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 7342

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

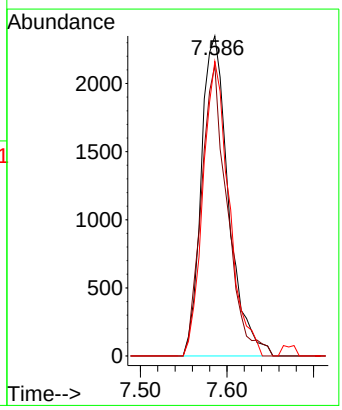


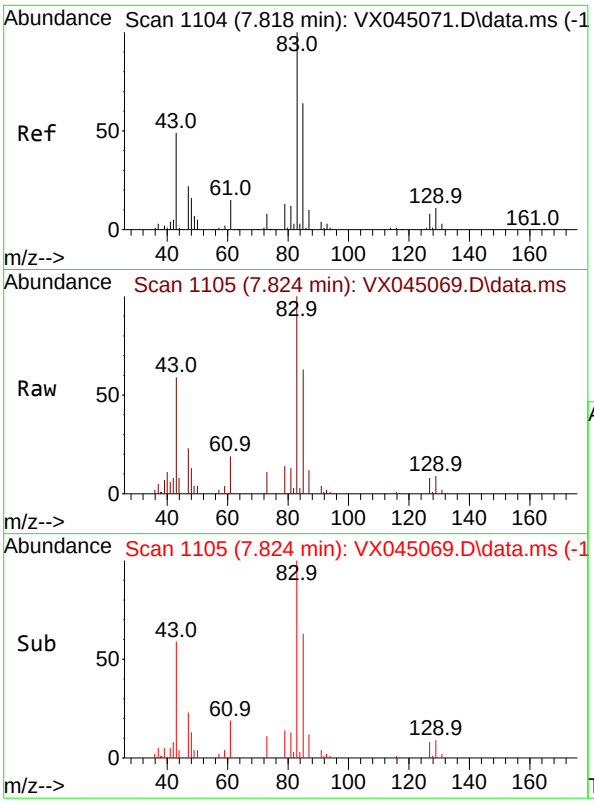


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2



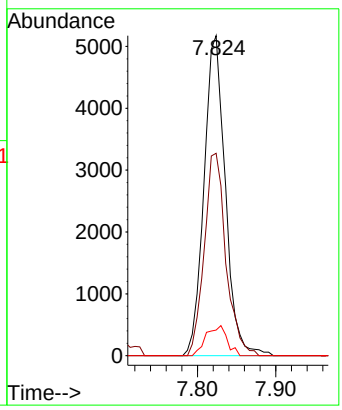


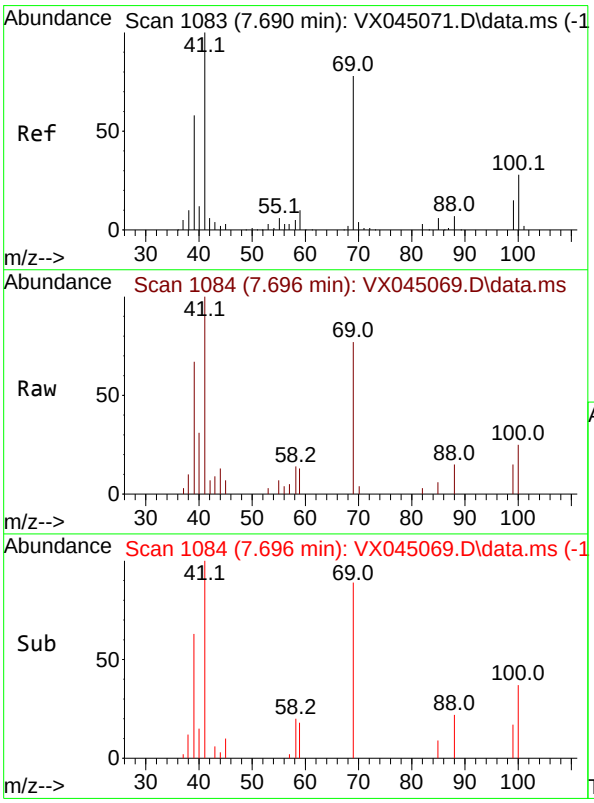
#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9773

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

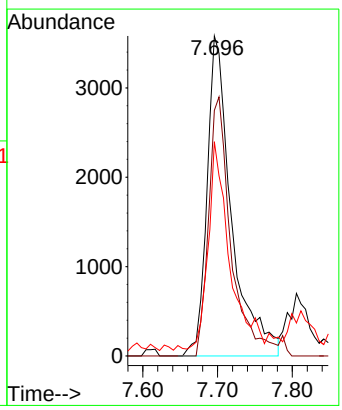


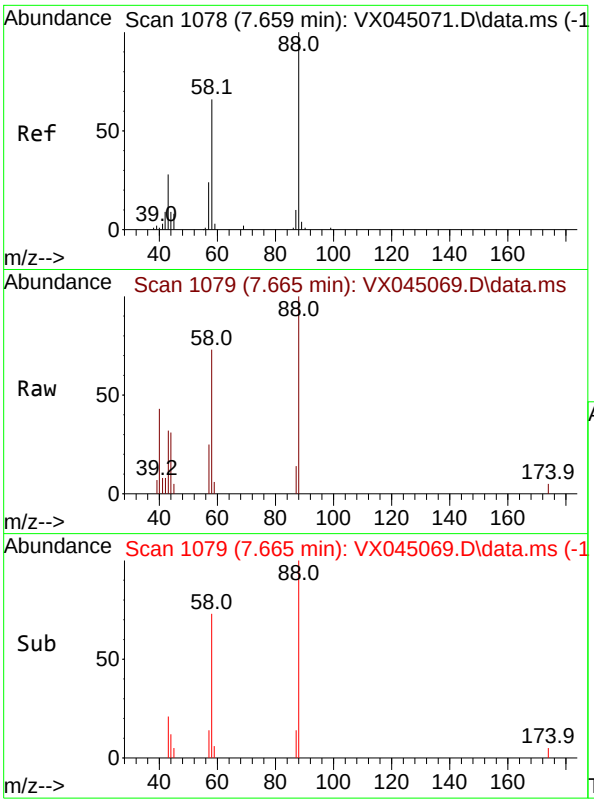


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3



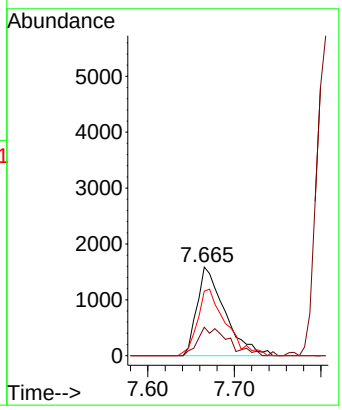


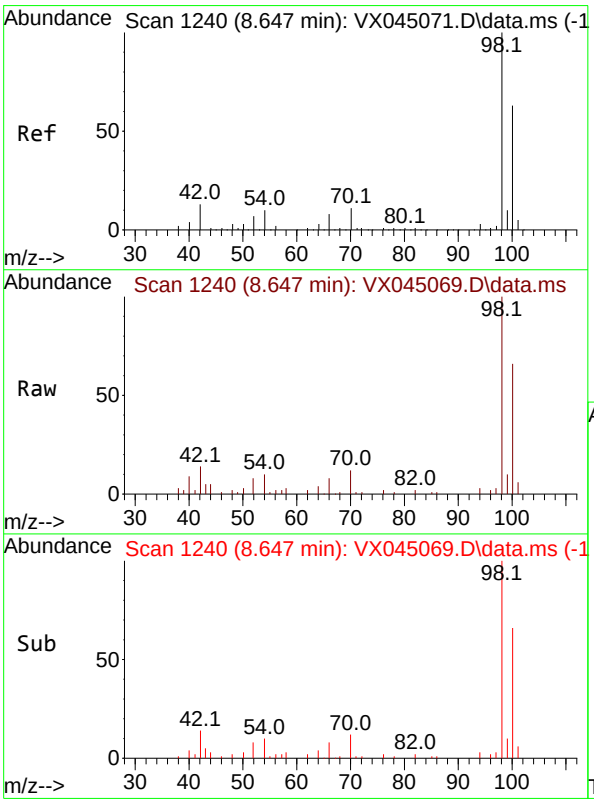
#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3531

Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

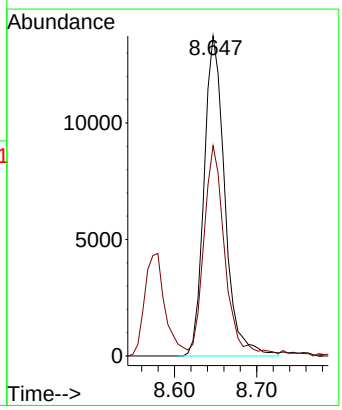


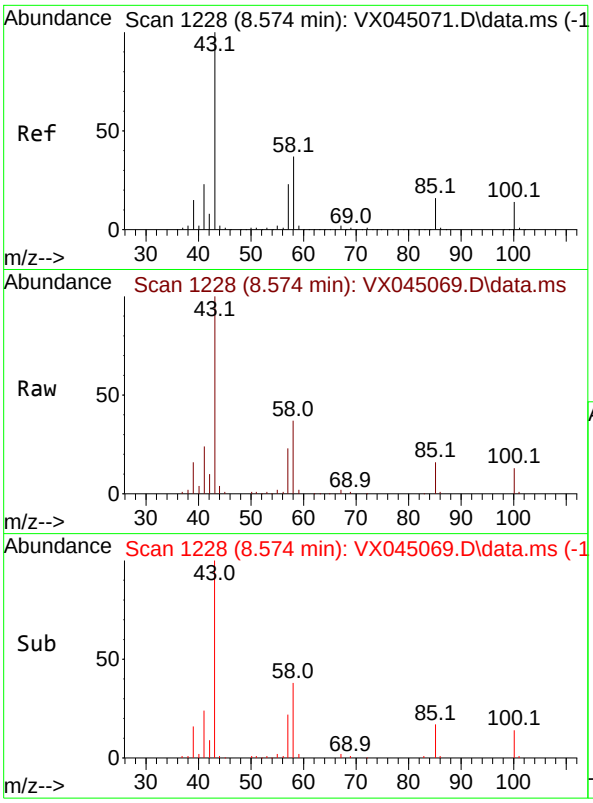


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



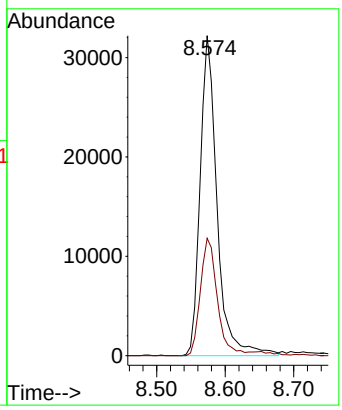


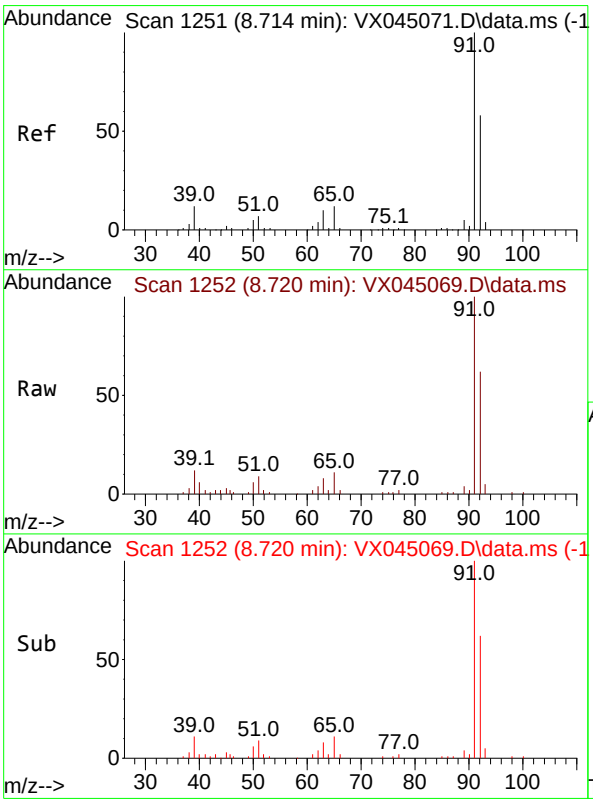
#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55320

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

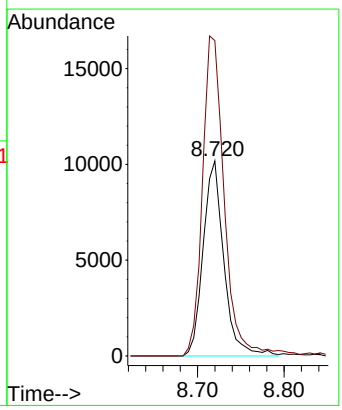


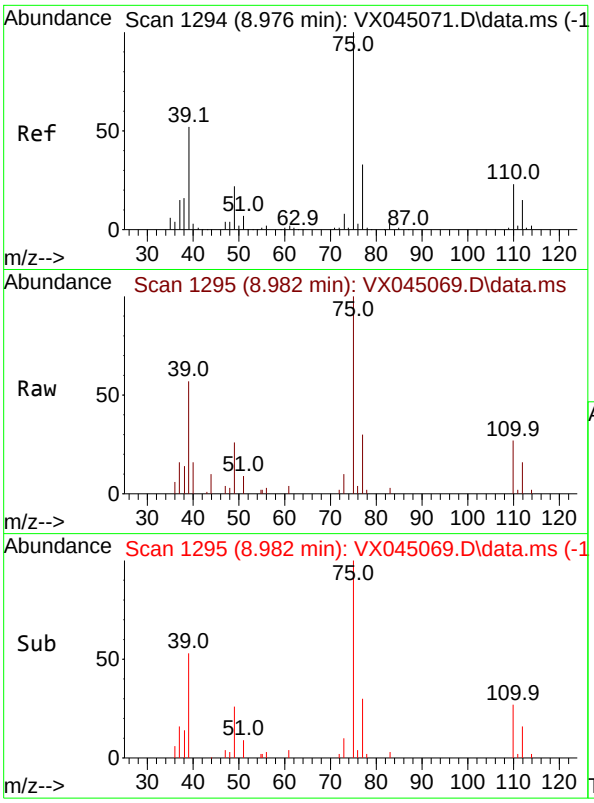


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



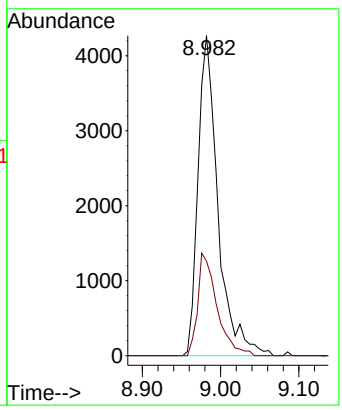


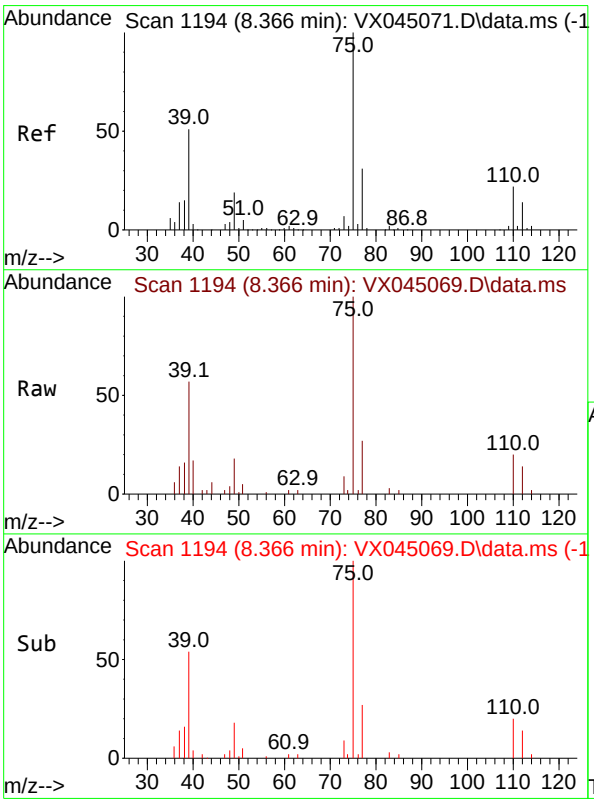
#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7

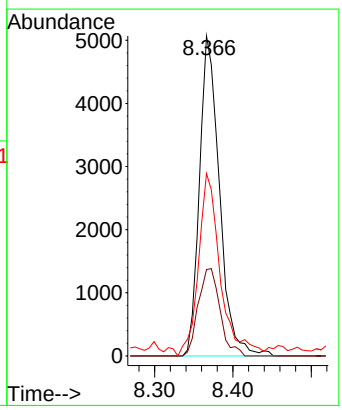


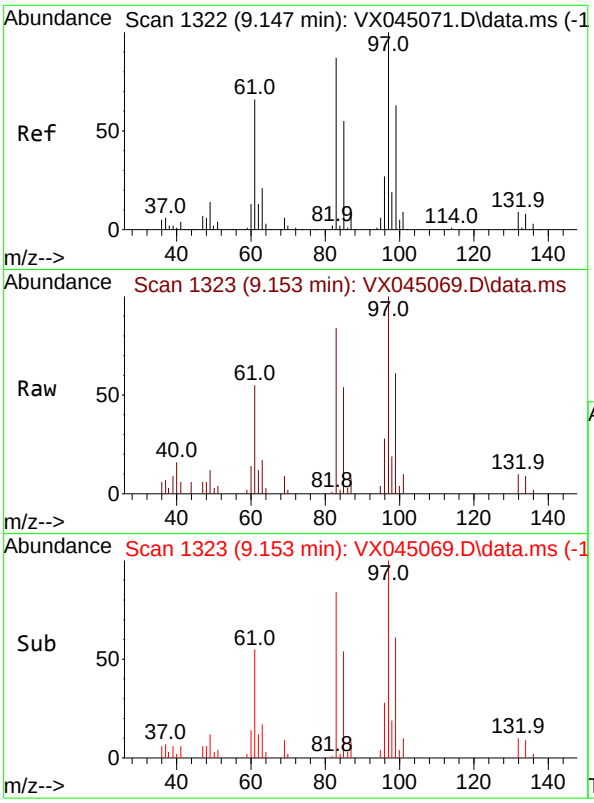


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1



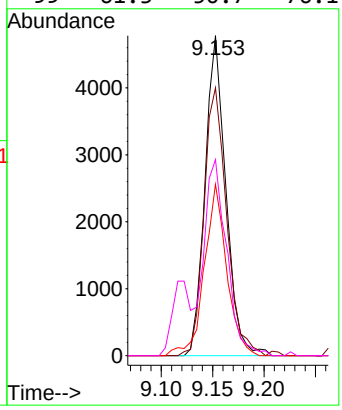


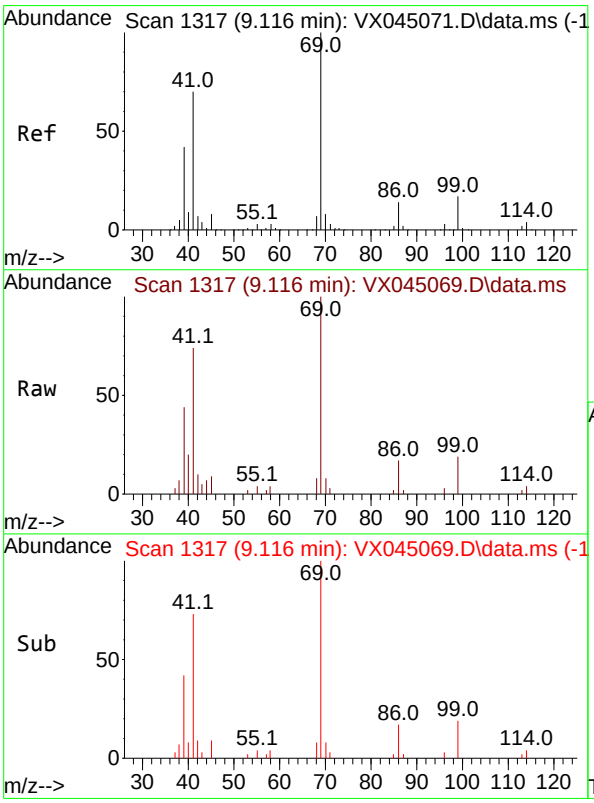
#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 6759

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1

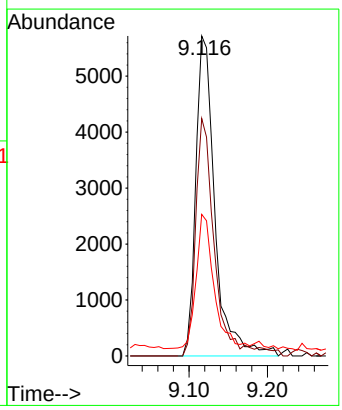


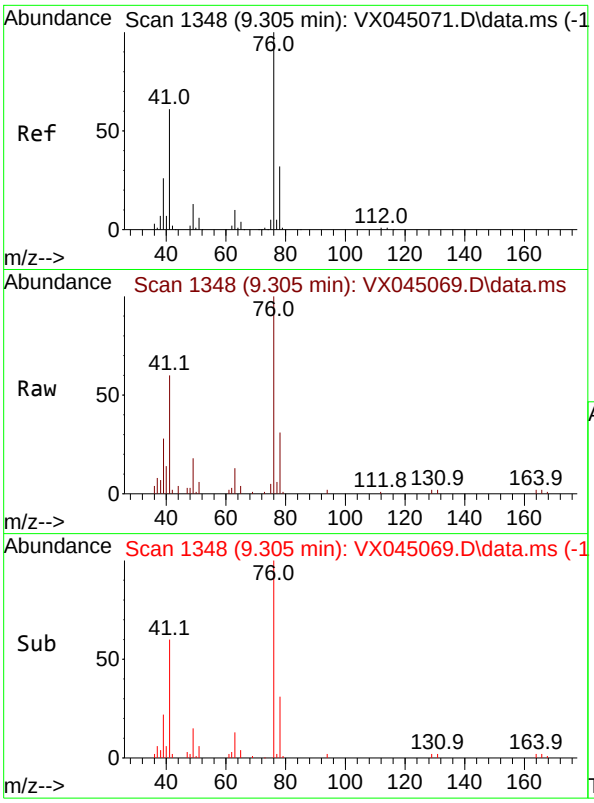


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4



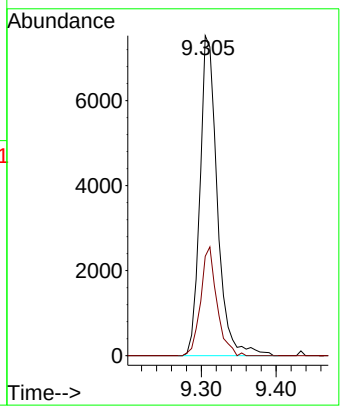


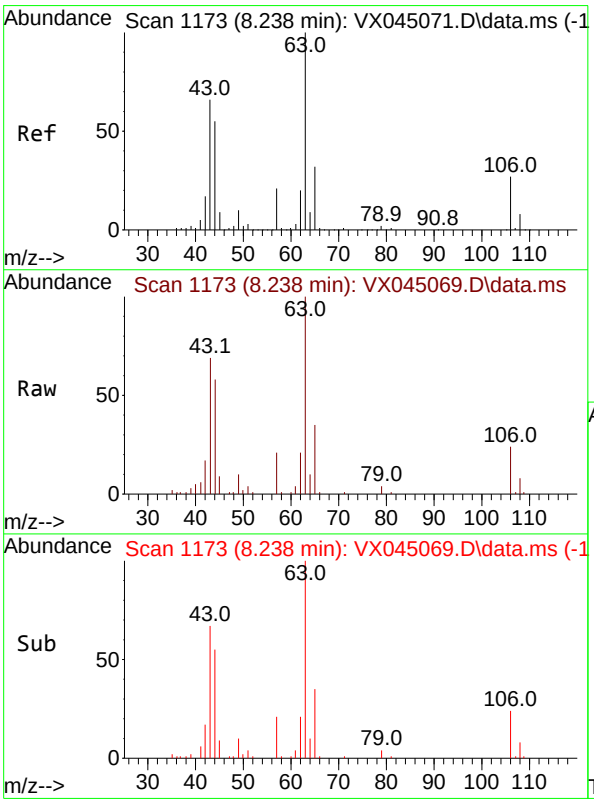
#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

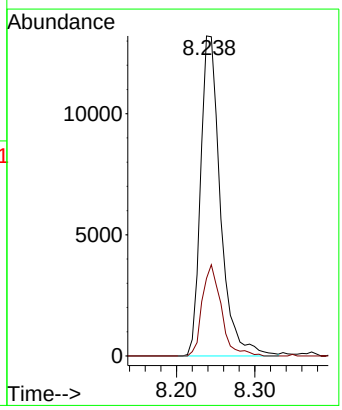


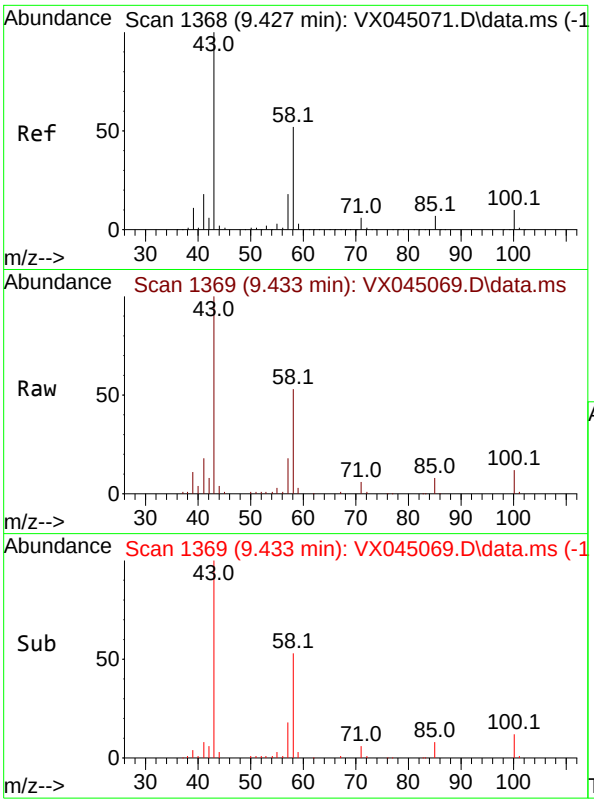


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3



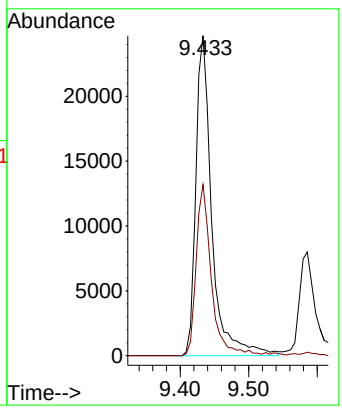


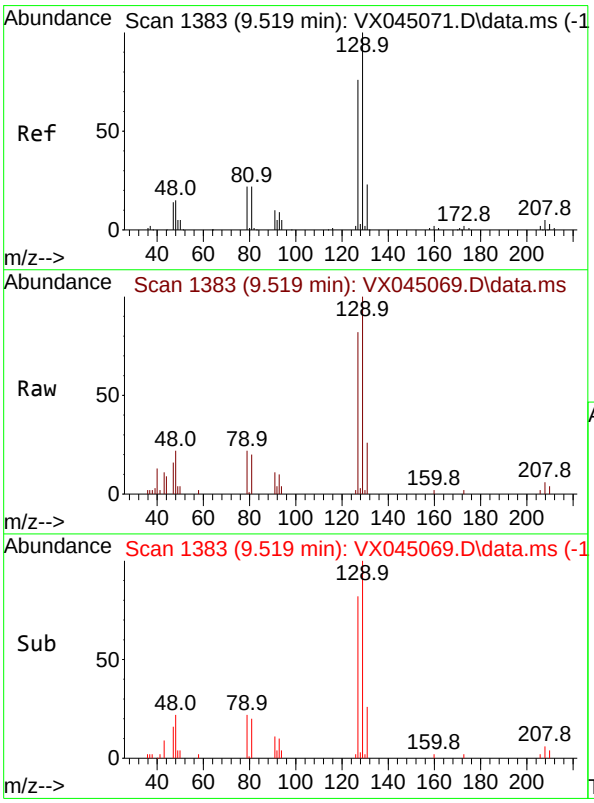
#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

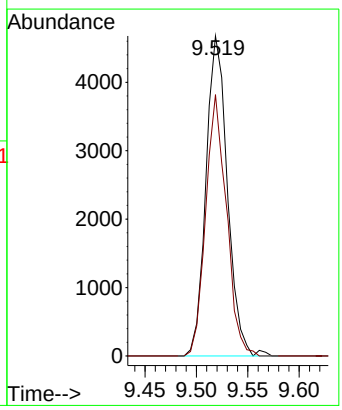


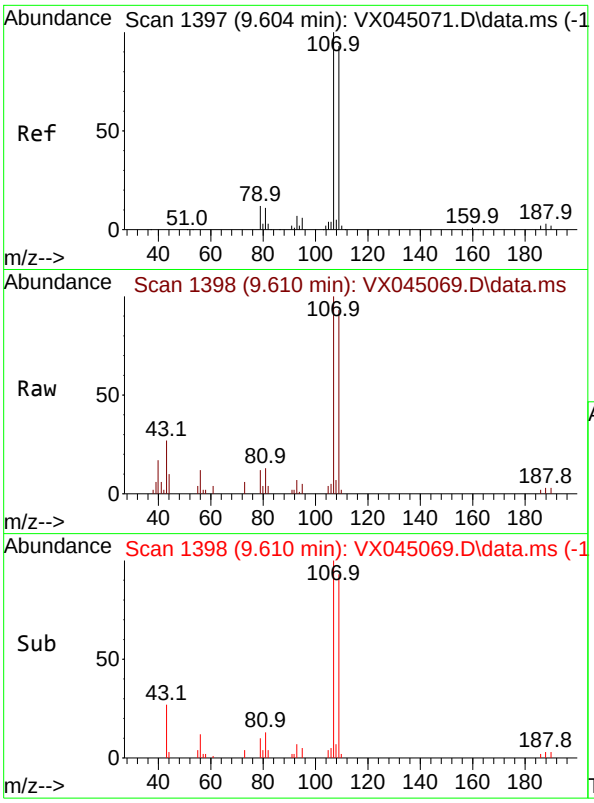


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5



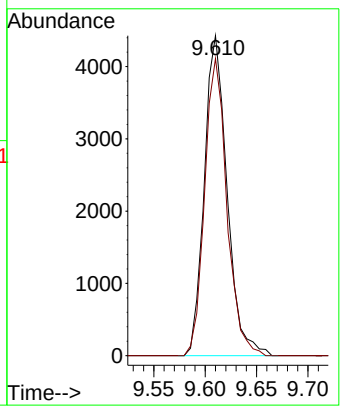


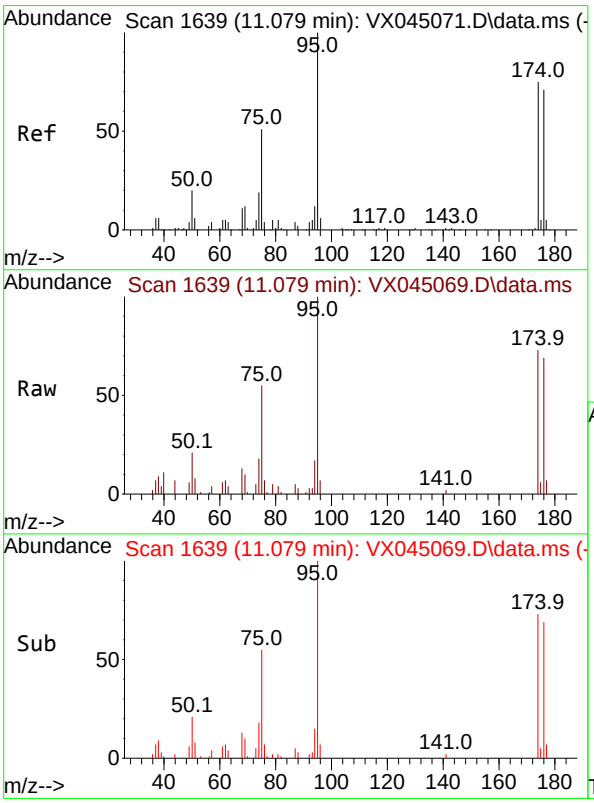
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6832

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

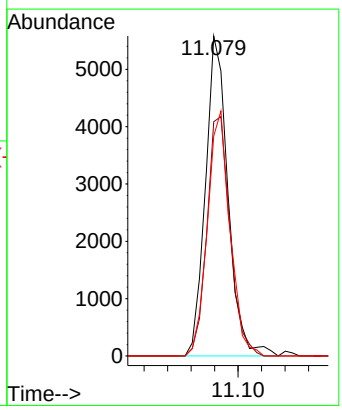


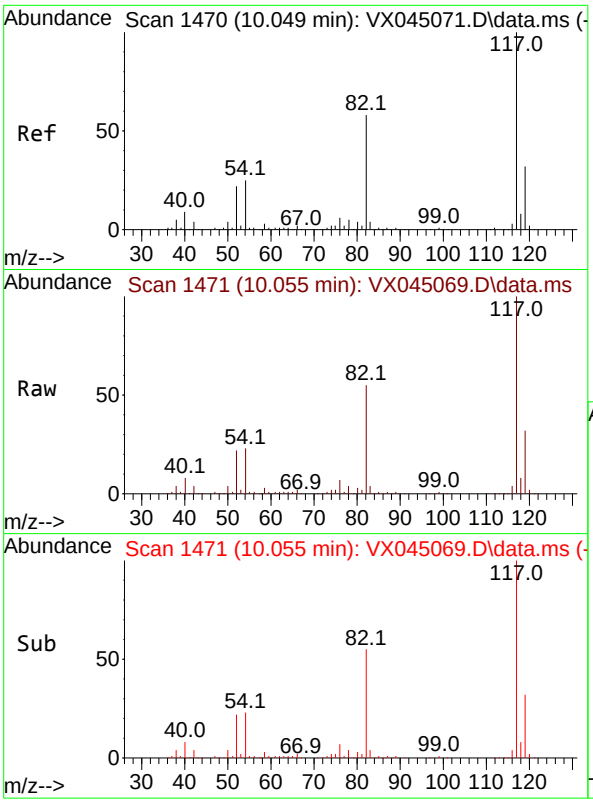


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4



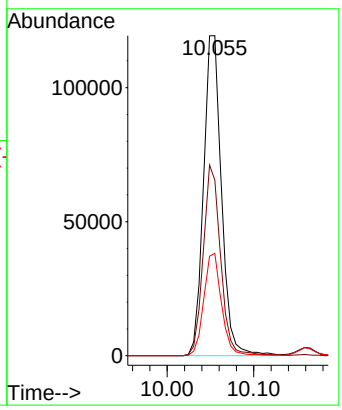


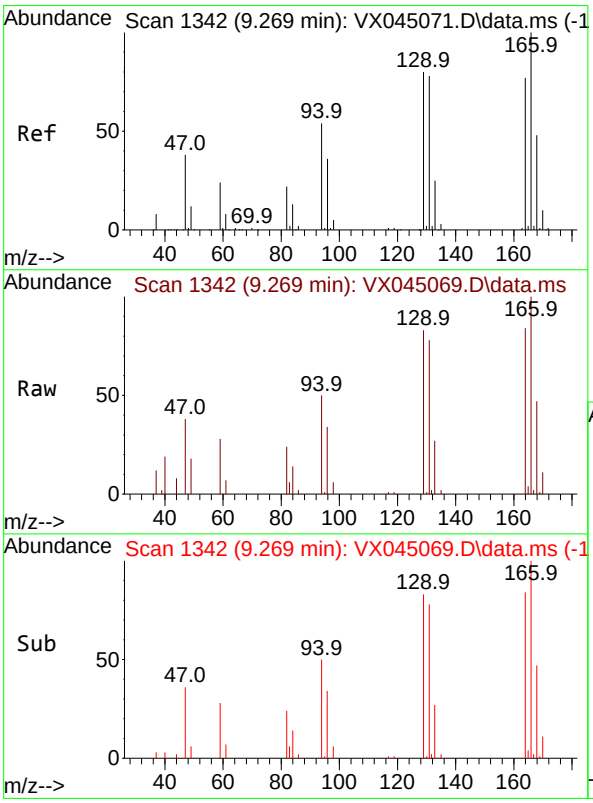
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 172367

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5

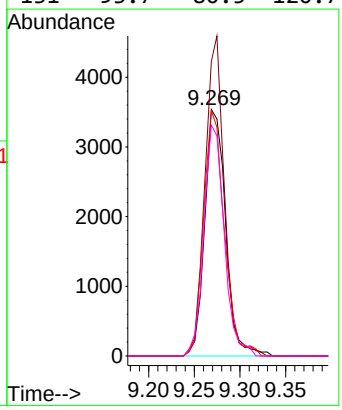


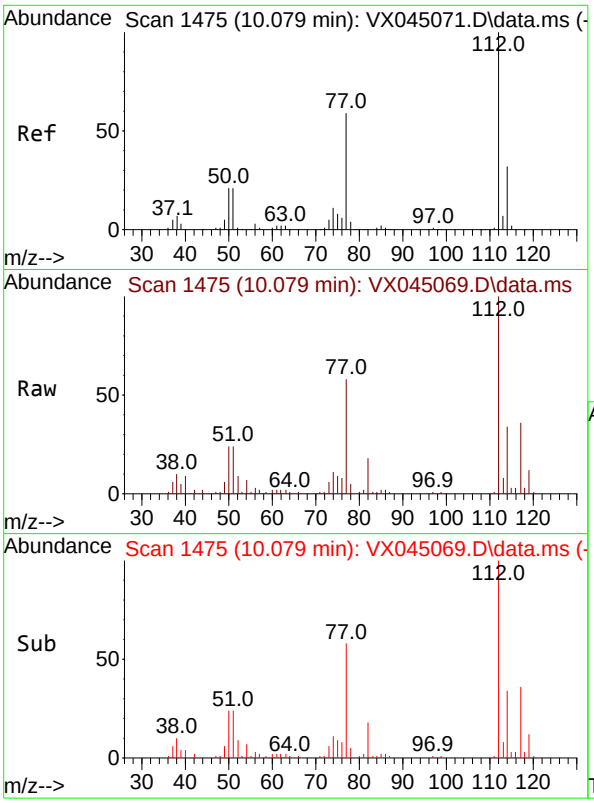


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7



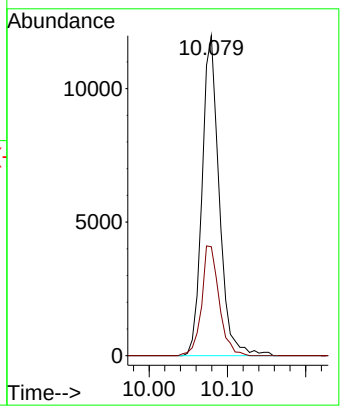


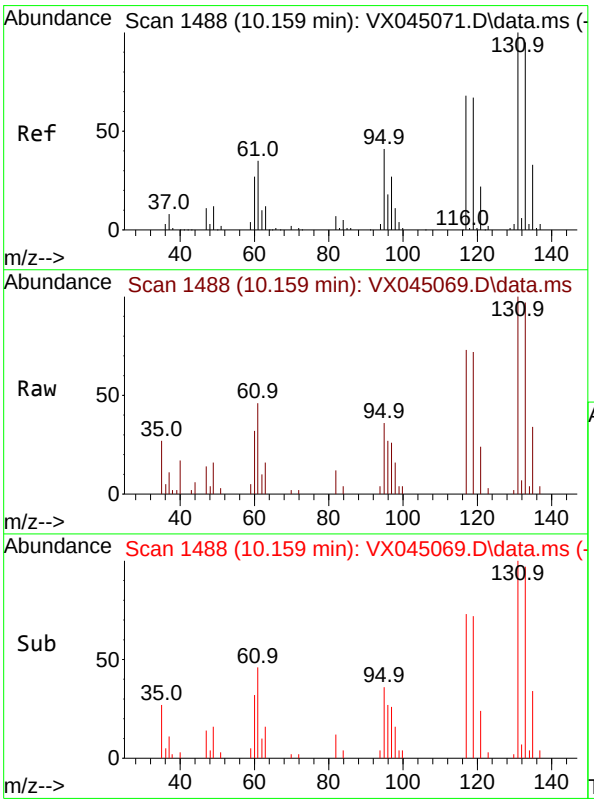
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 18161

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

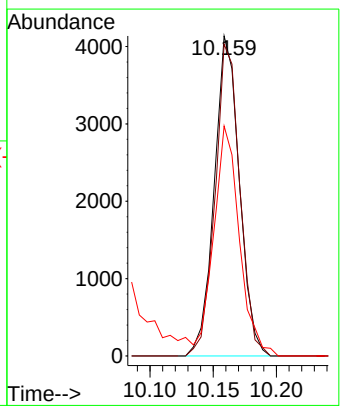


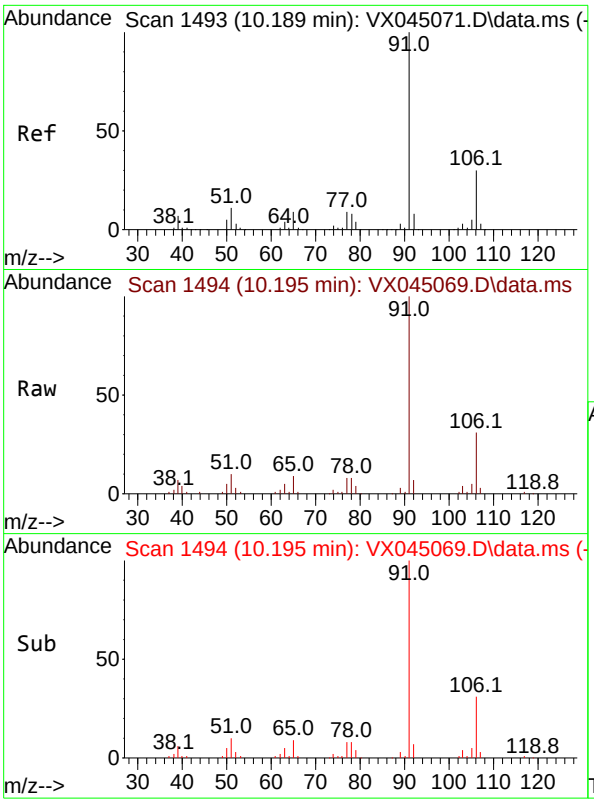


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7



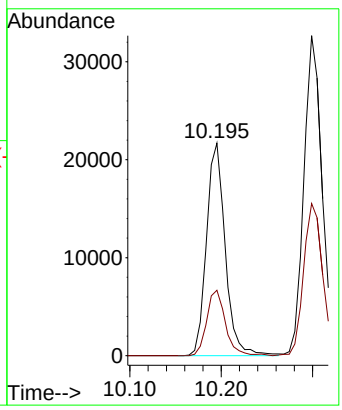


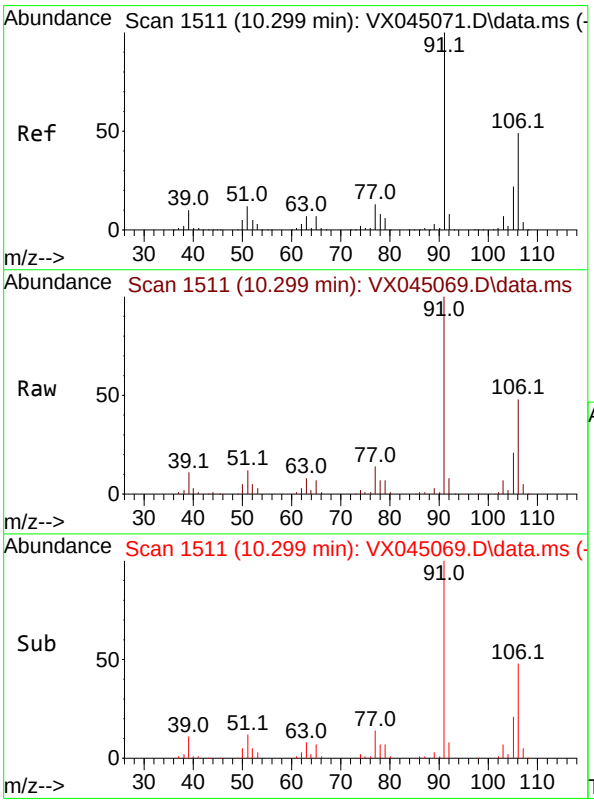
#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30918

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

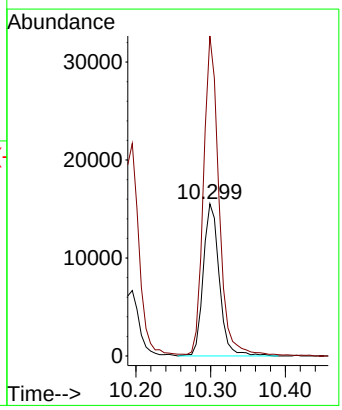


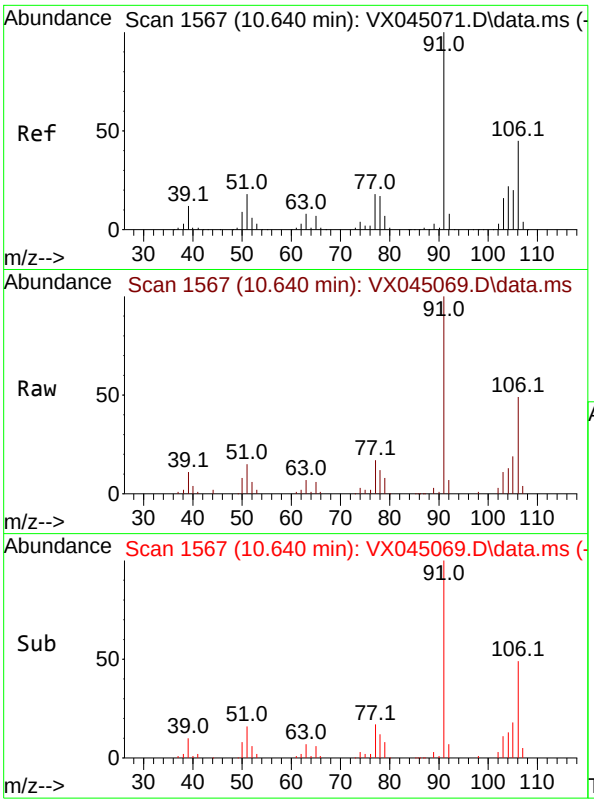


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0



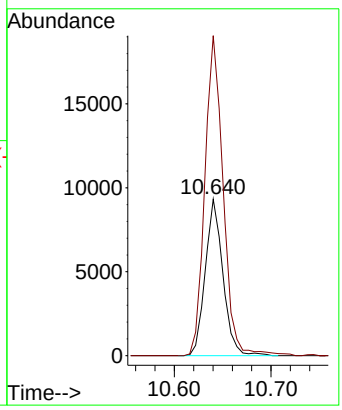


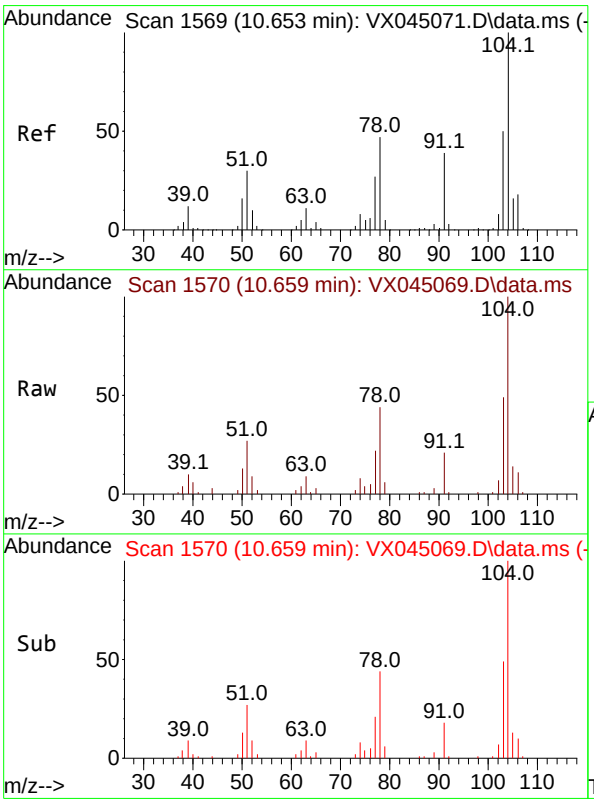
#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11881

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6

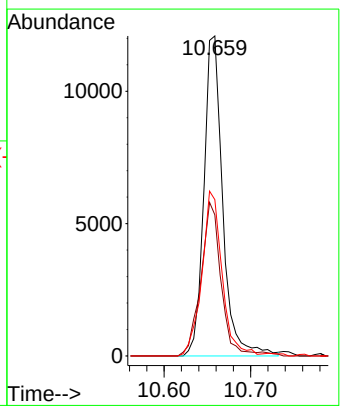


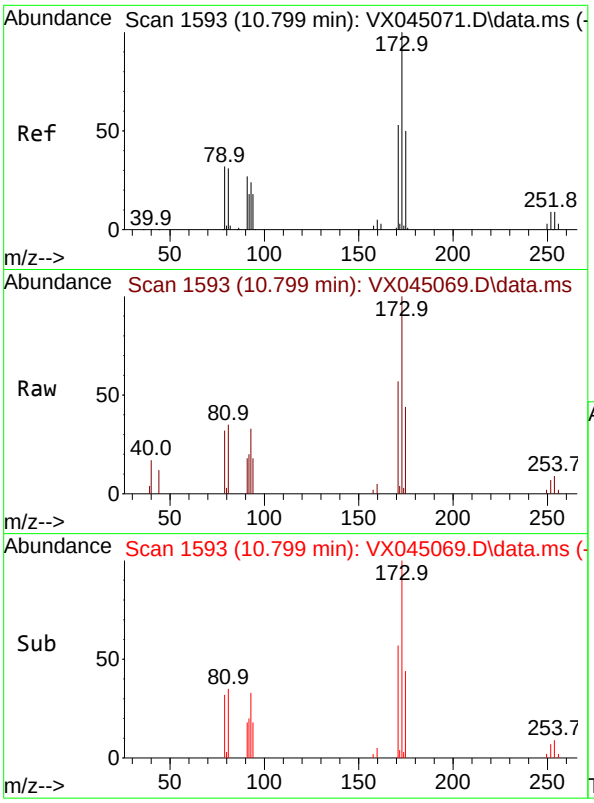


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8



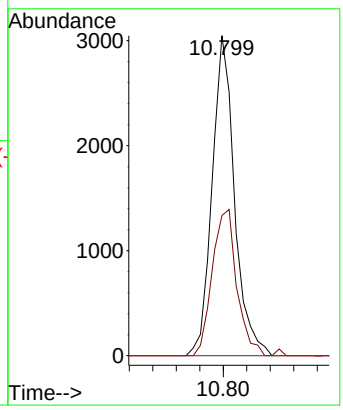


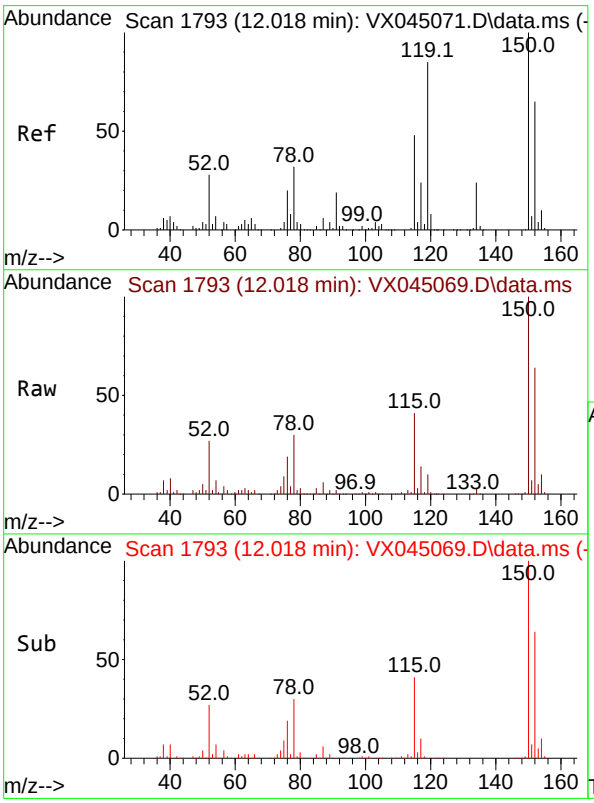
#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4027

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0

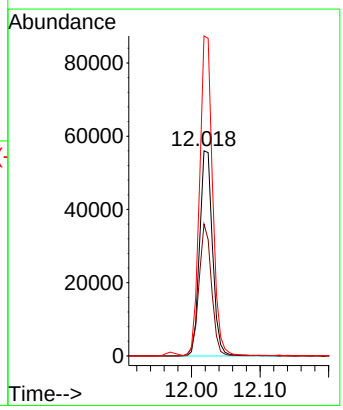


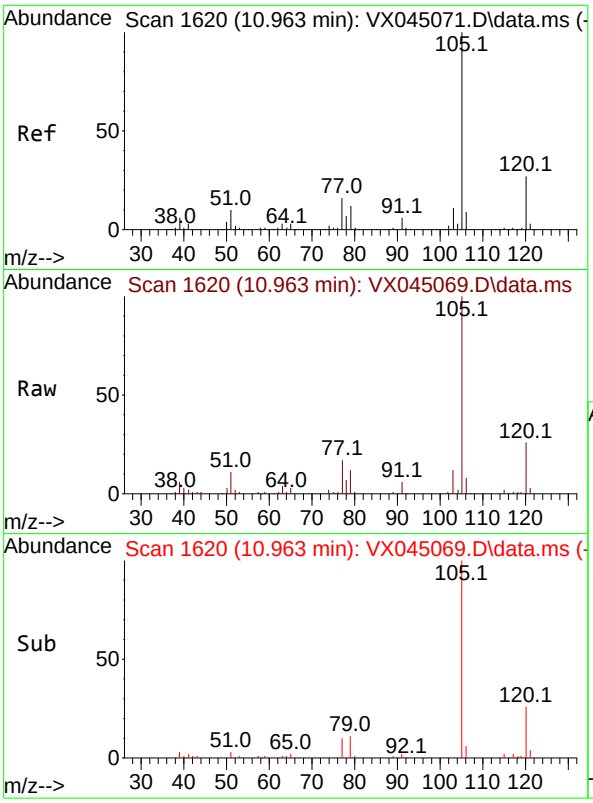


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0



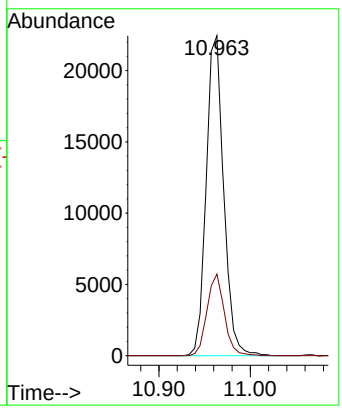


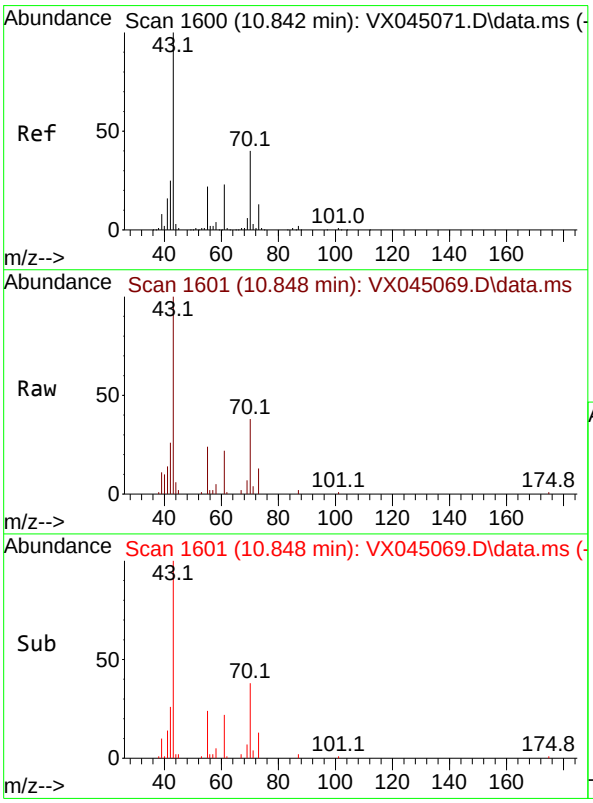
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 29685

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

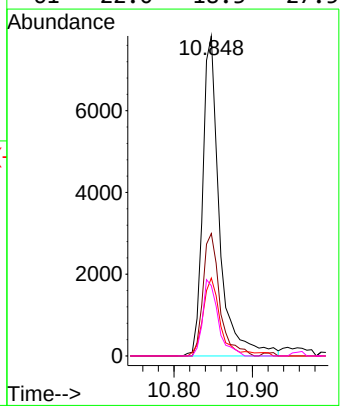


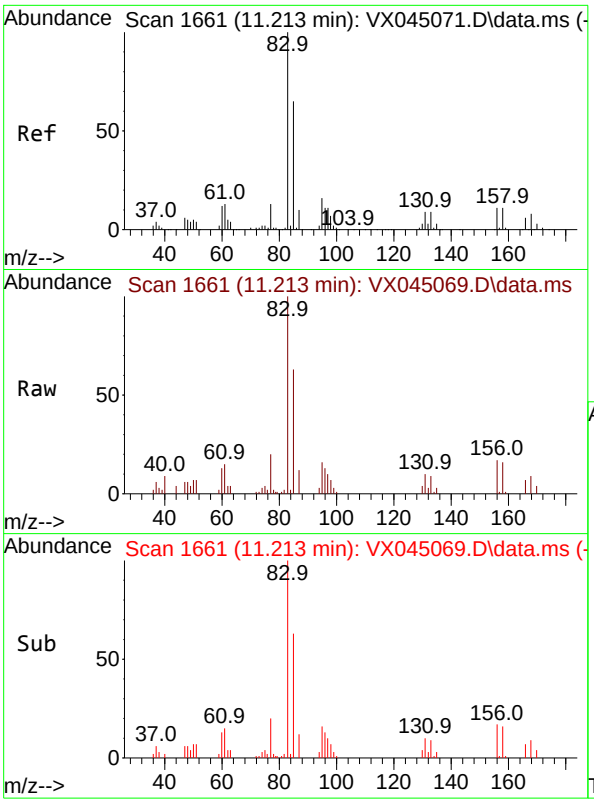


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5



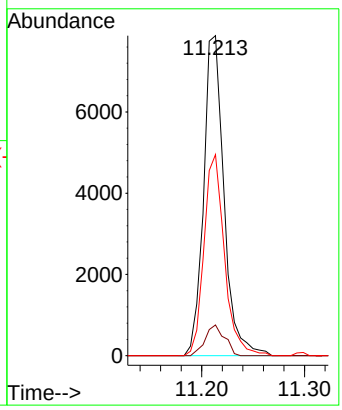


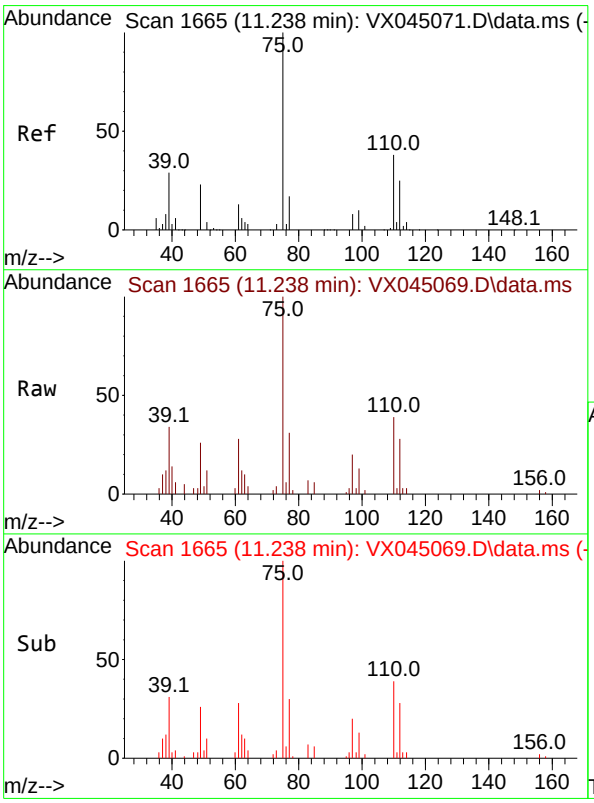
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10881

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1

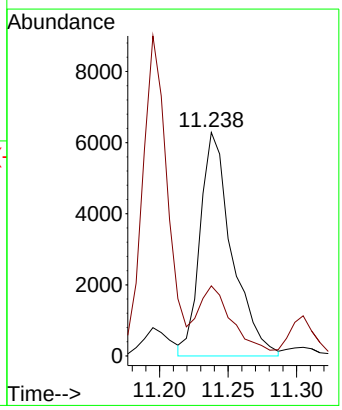


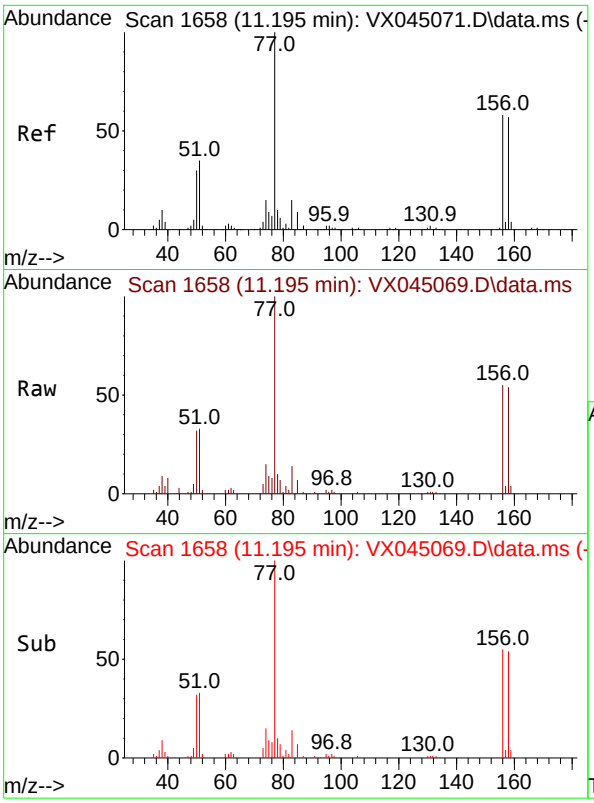


#76
1,2,3-Trichloropropane
Concen: 6.189 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 10159

Ion	Ratio	Lower	Upper
75	100		
77	34.6	20.7	62.1



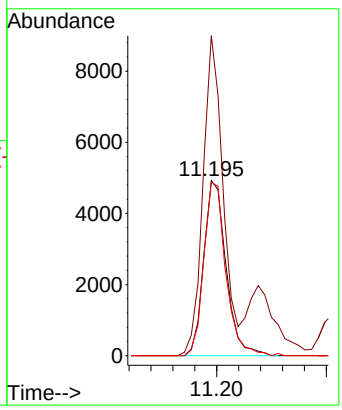


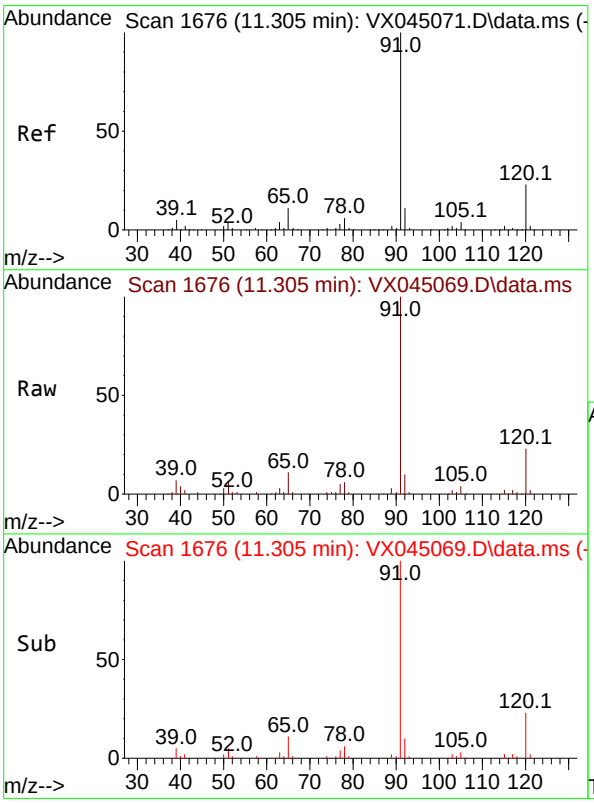
#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 6970

Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2

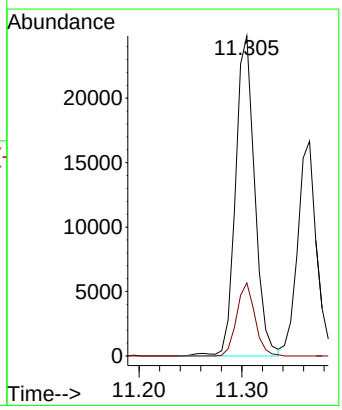


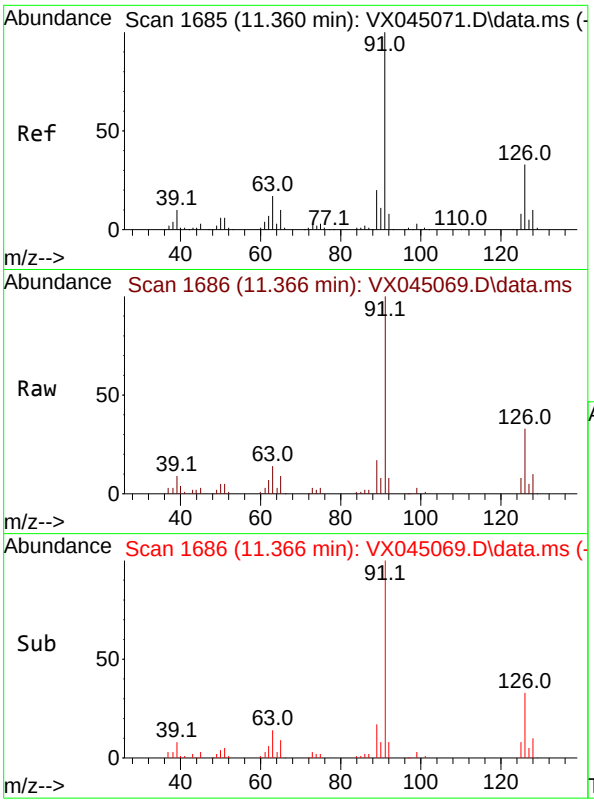


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



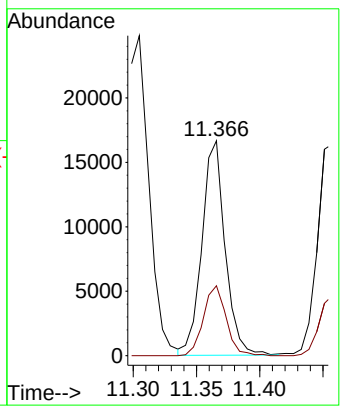


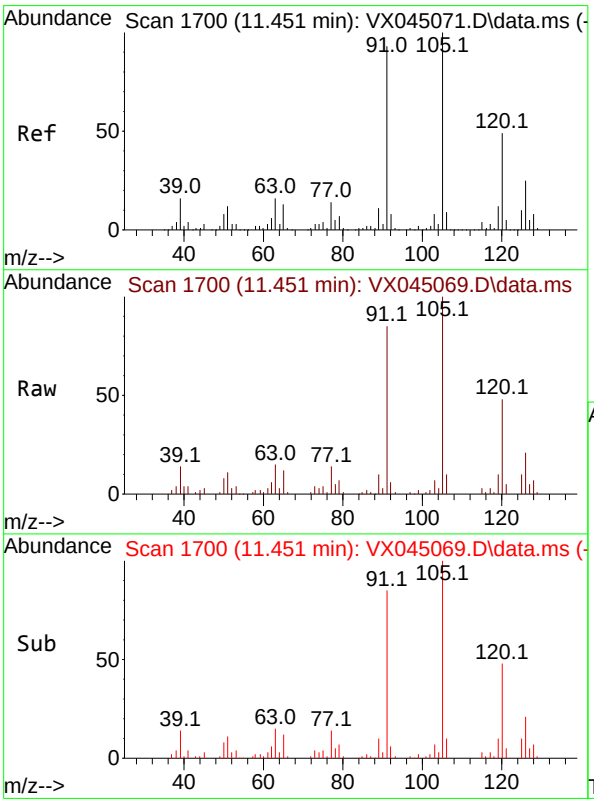
#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21253

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

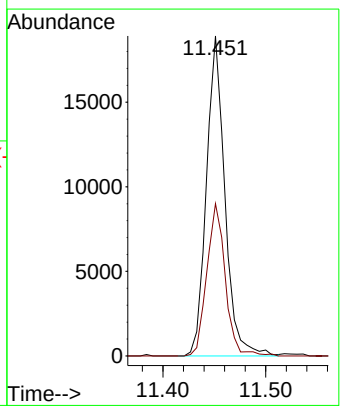


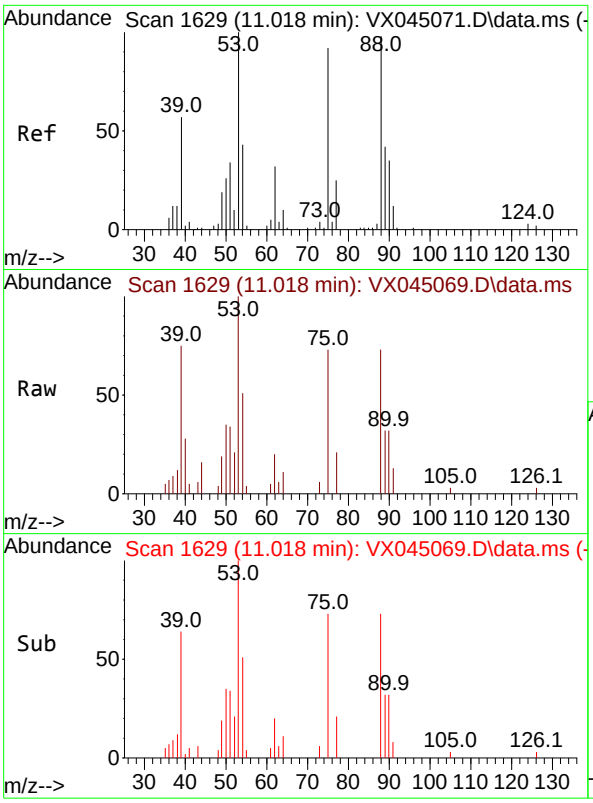


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



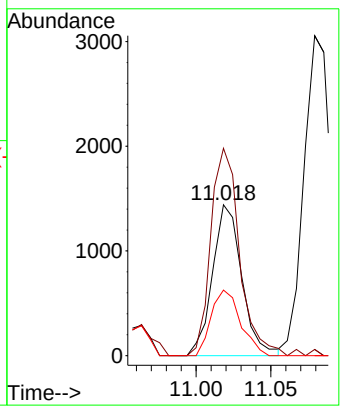


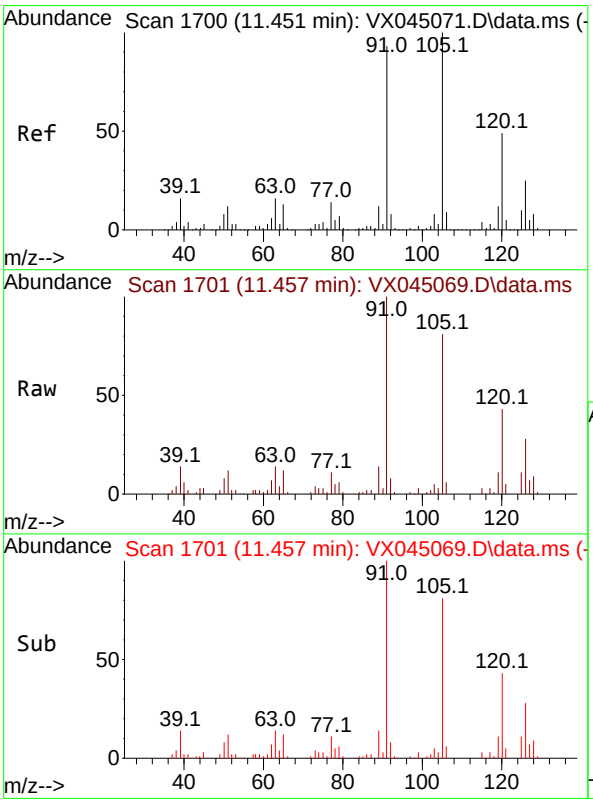
#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1971

Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

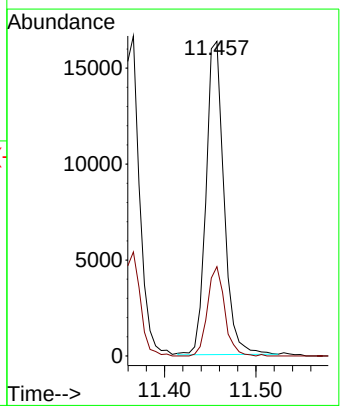


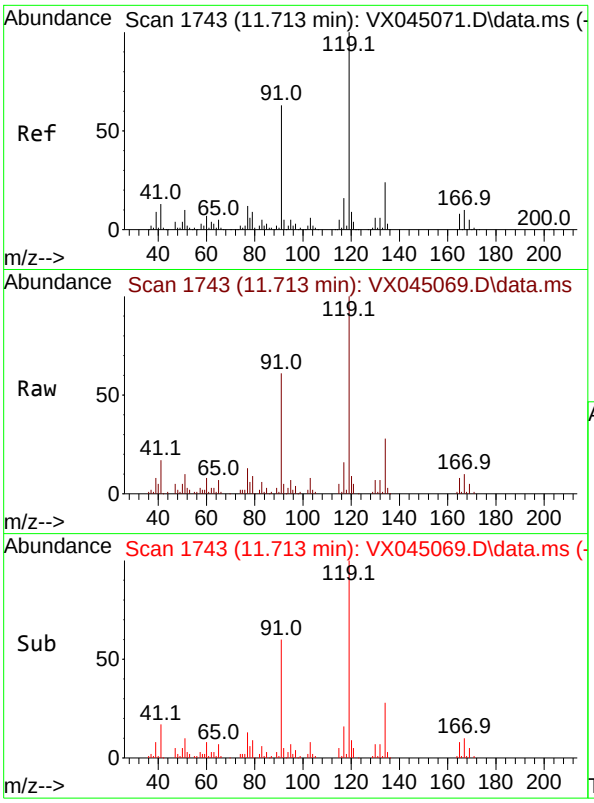


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



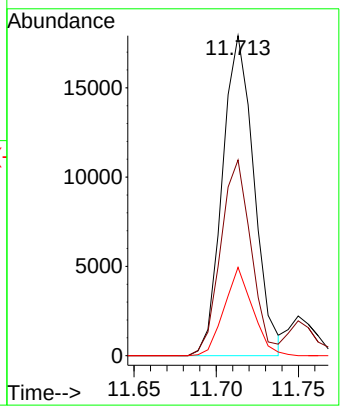


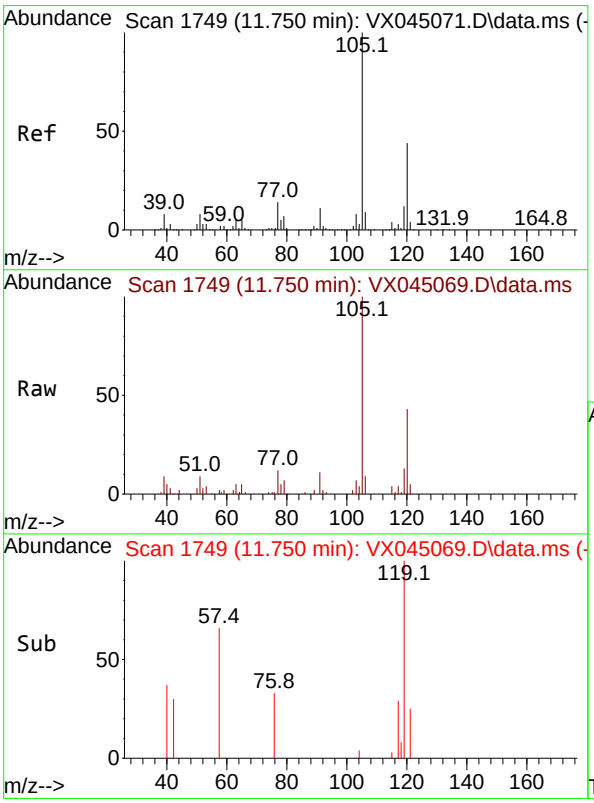
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 23960

Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0

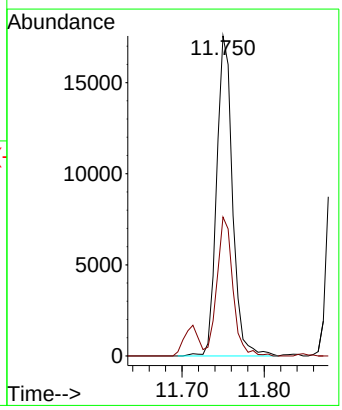


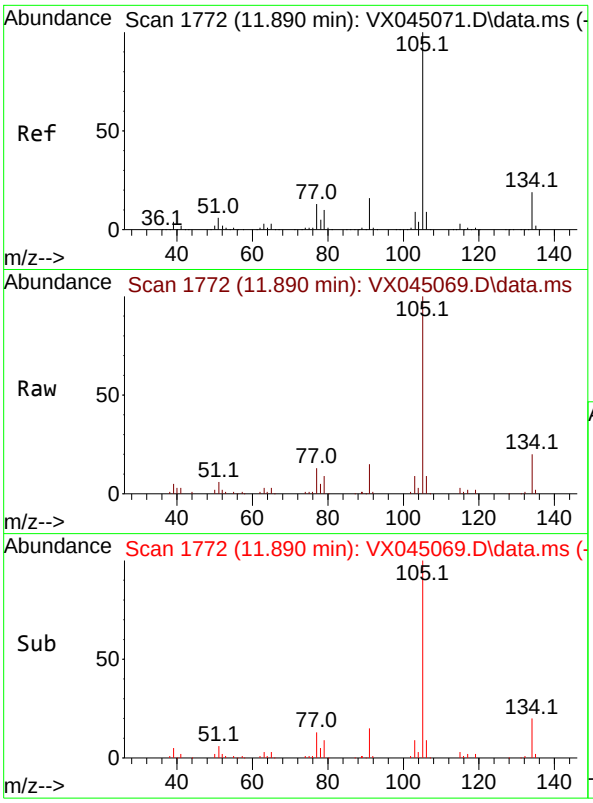


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



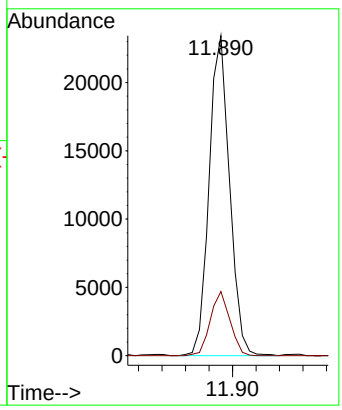


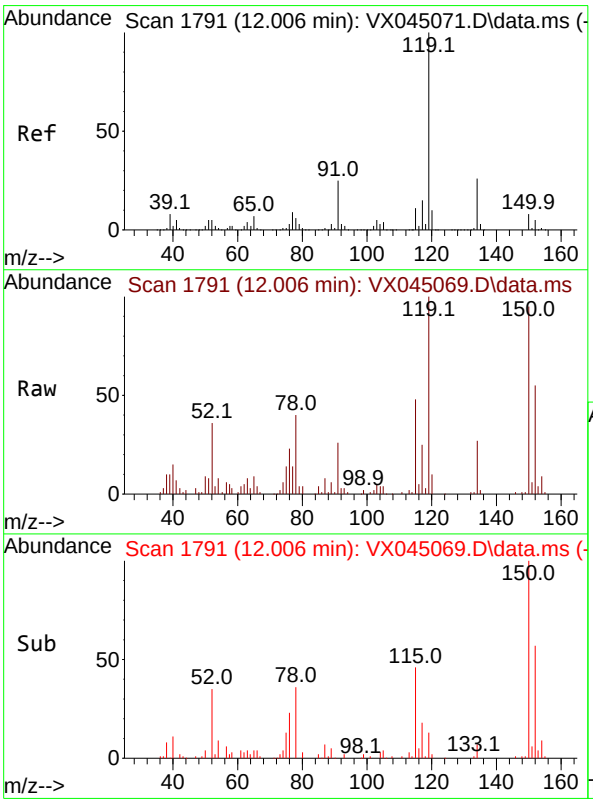
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 28314

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

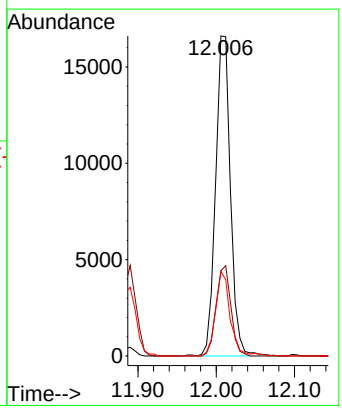


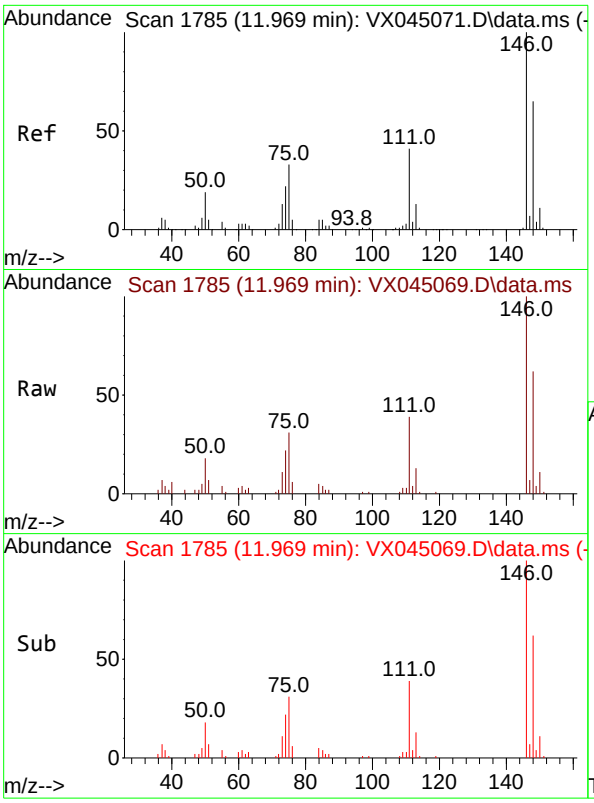


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0



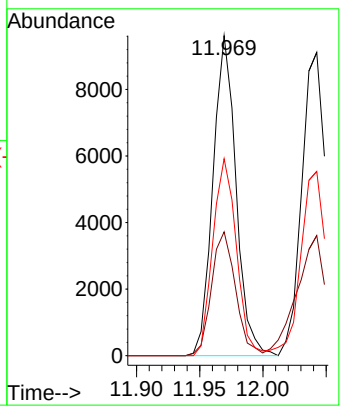


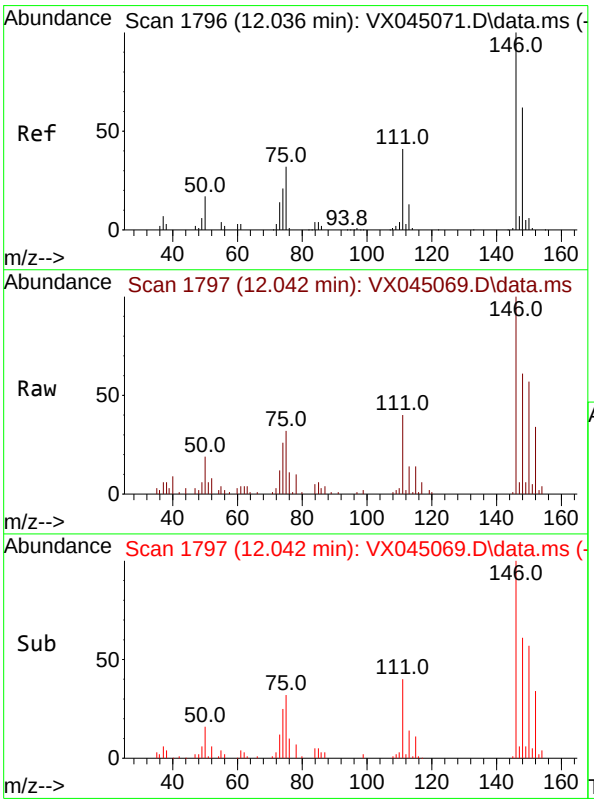
#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12157

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7

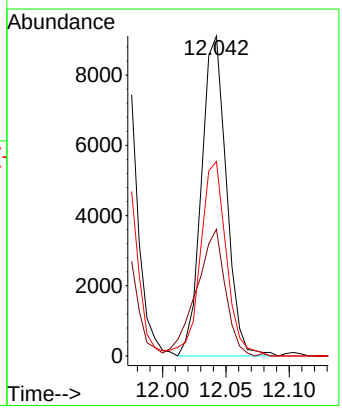


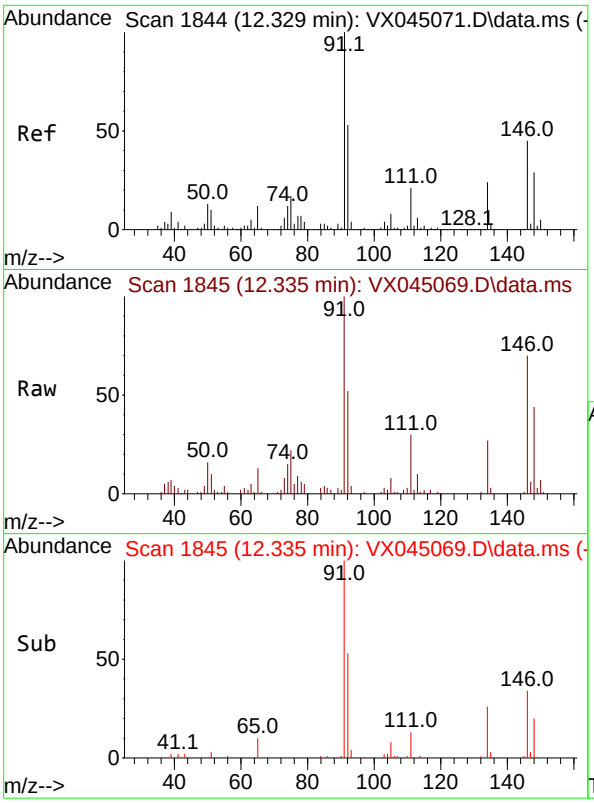


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9



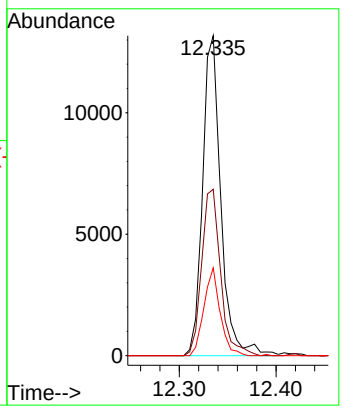


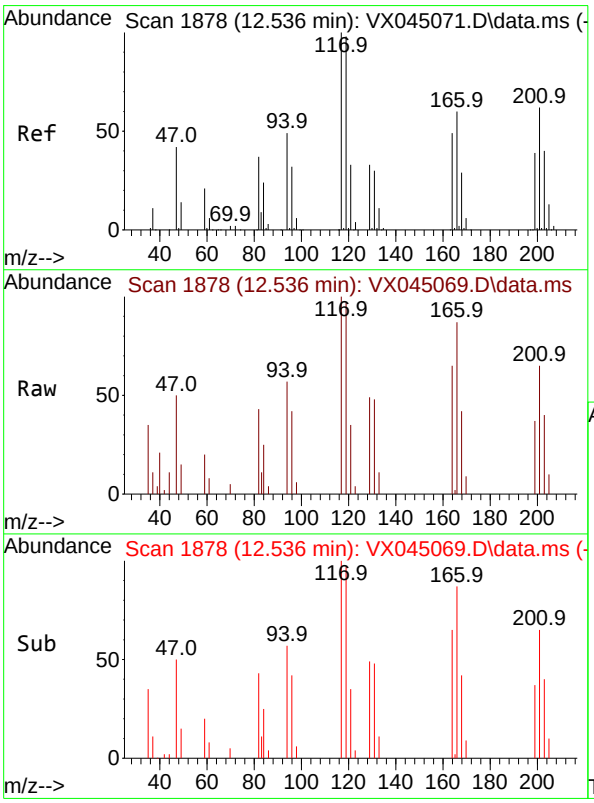
#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 17358

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6

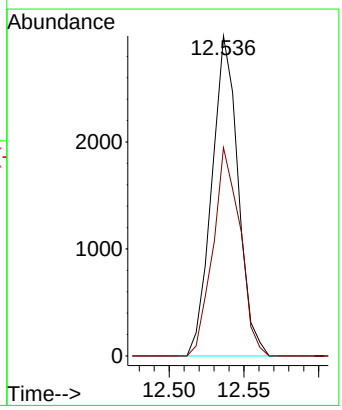


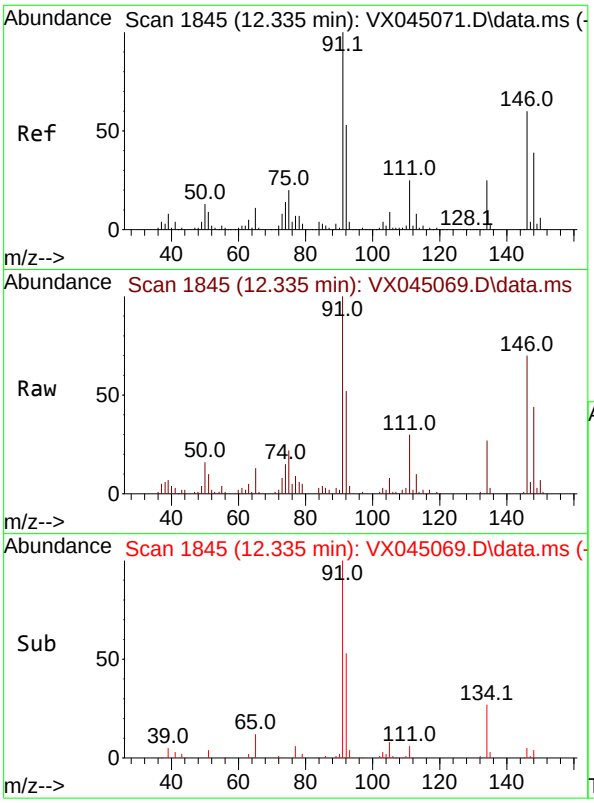


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9



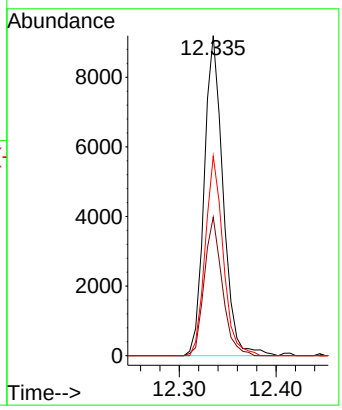


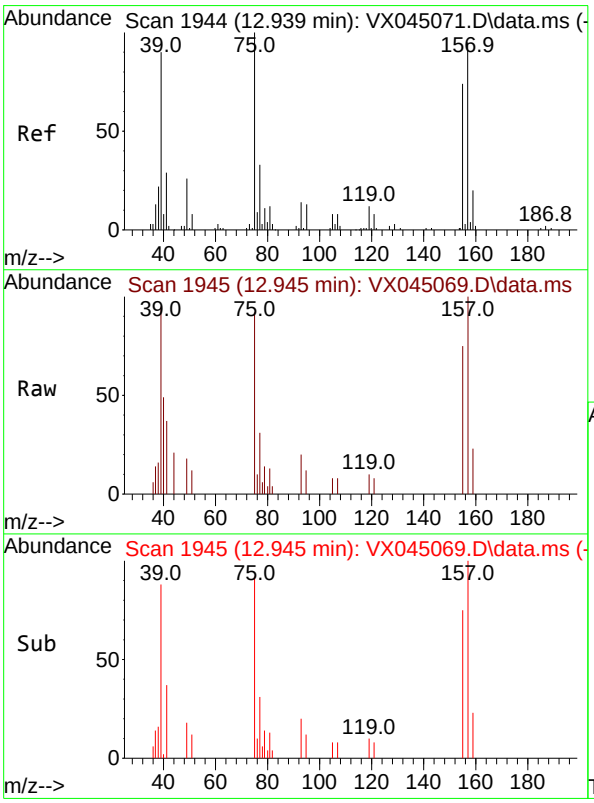
#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12477

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9

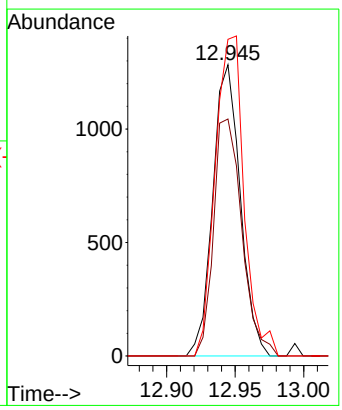


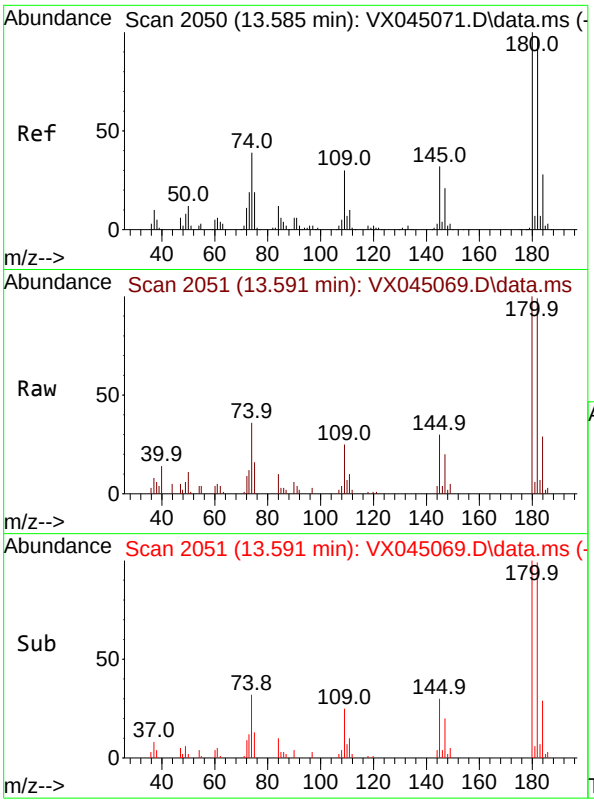


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4



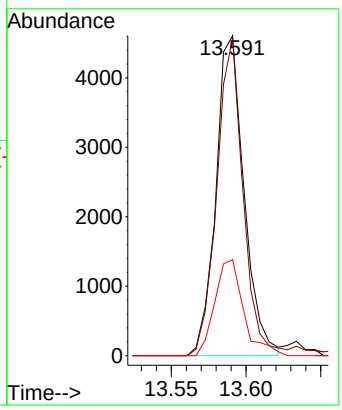


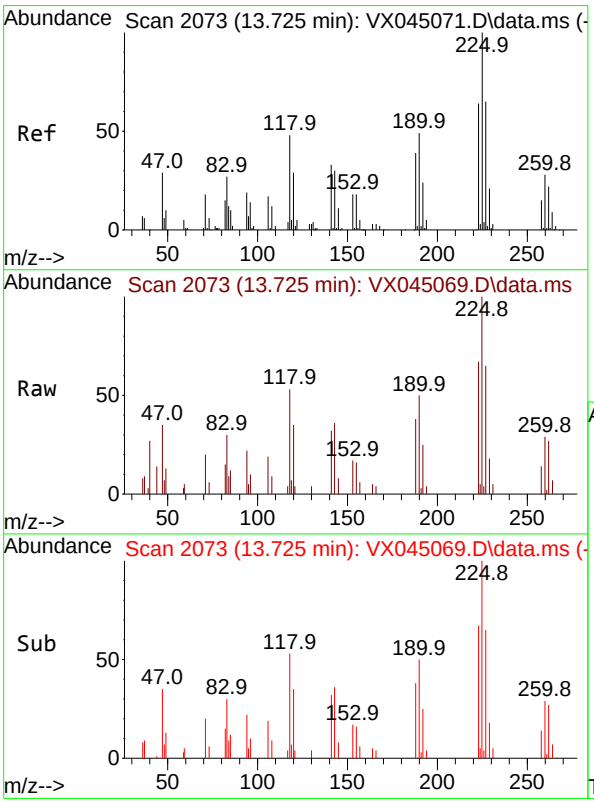
#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 6040

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9

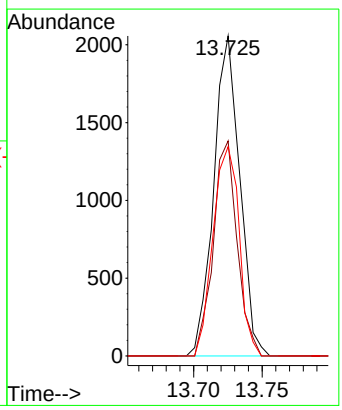


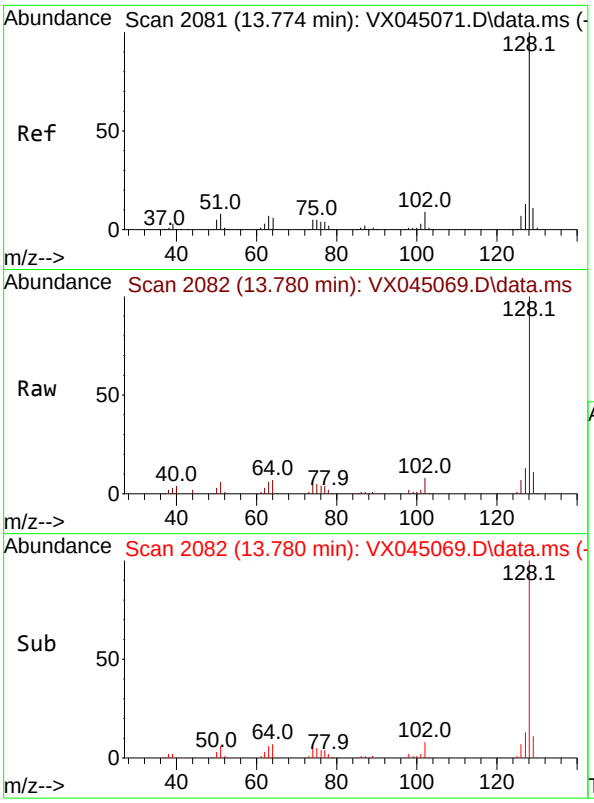


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0



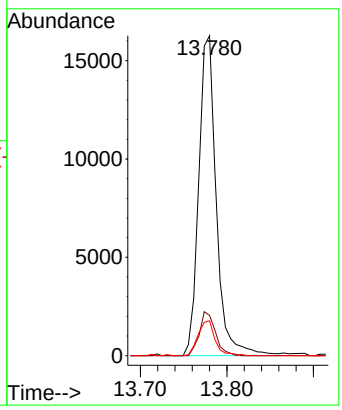


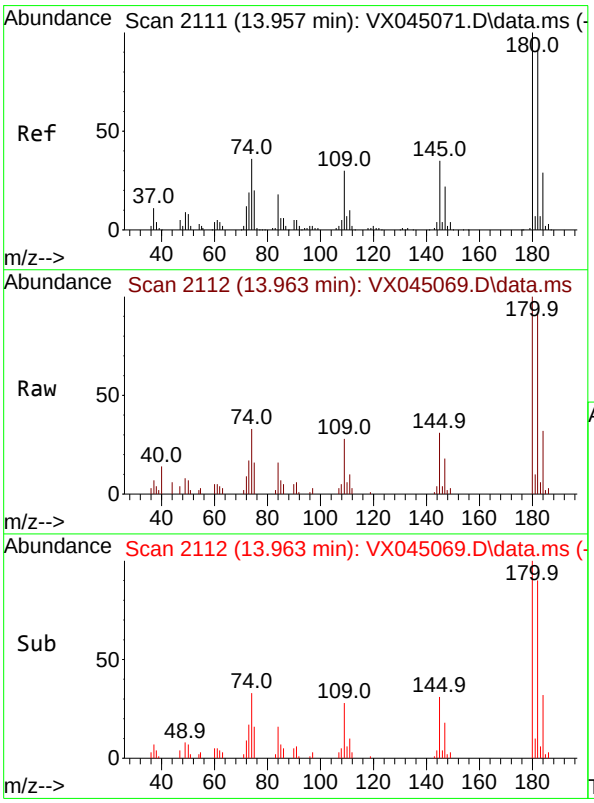
#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 22927

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1

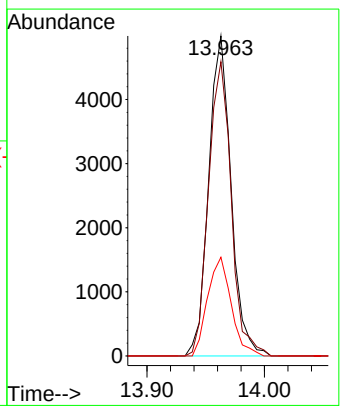




#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	41754	26.713	ug/l		86
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

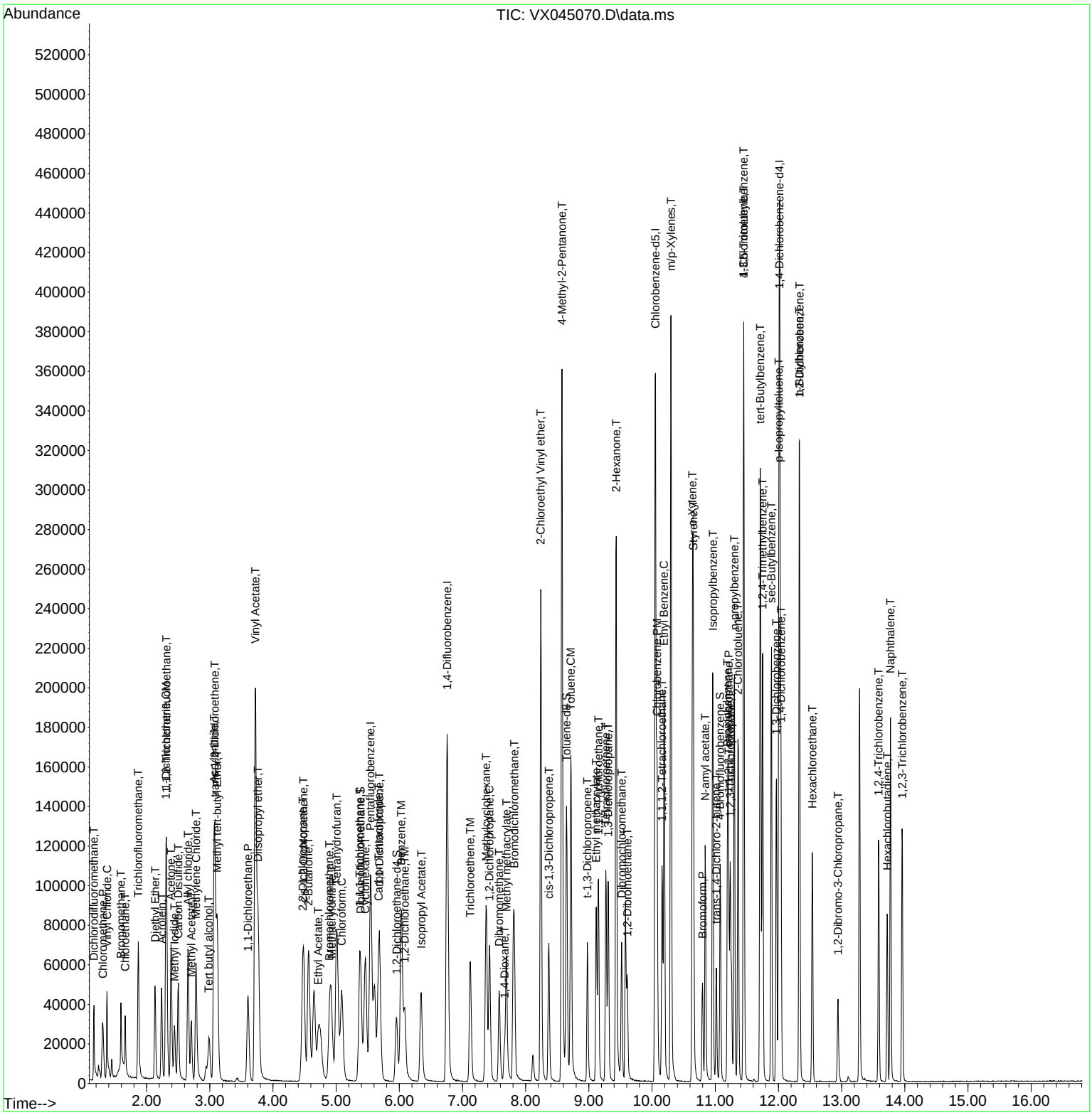
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

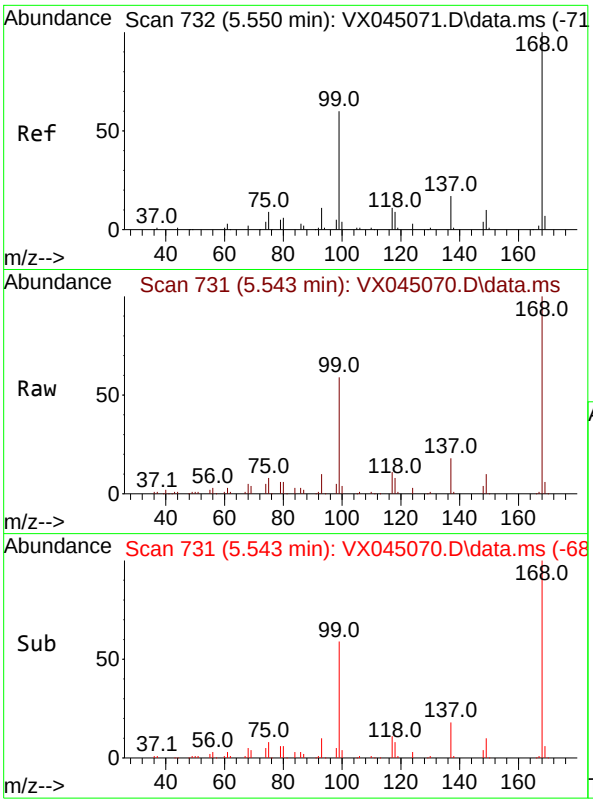
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



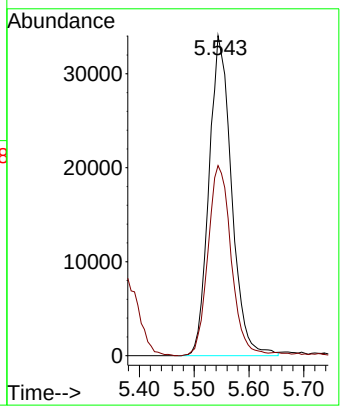


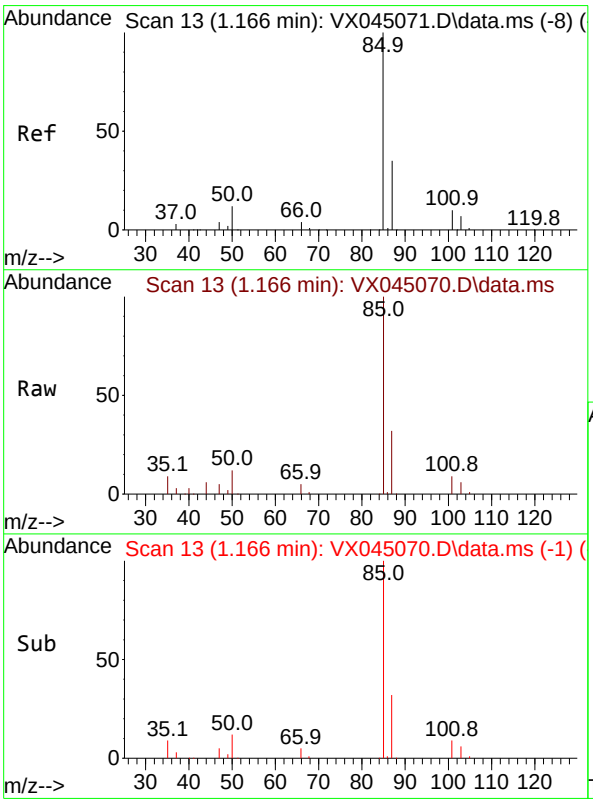
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 97338

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4

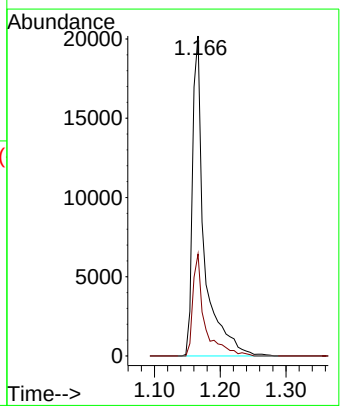


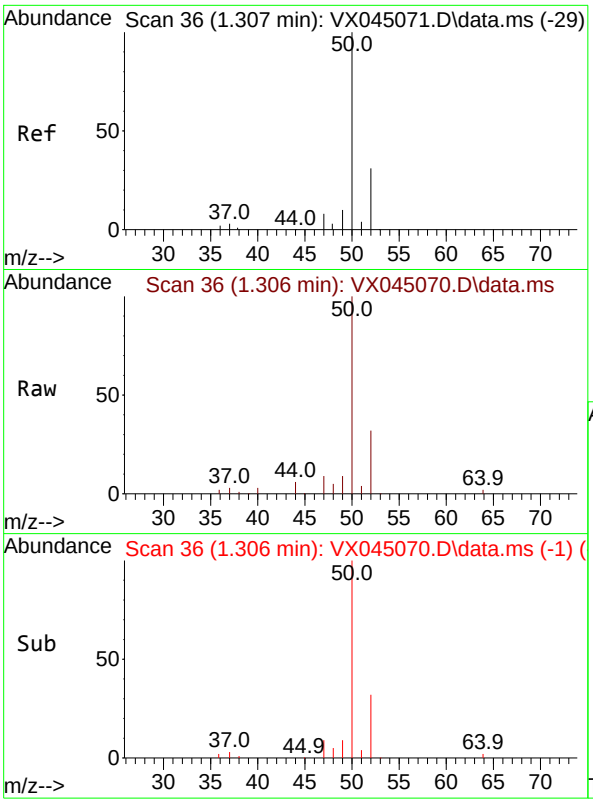


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



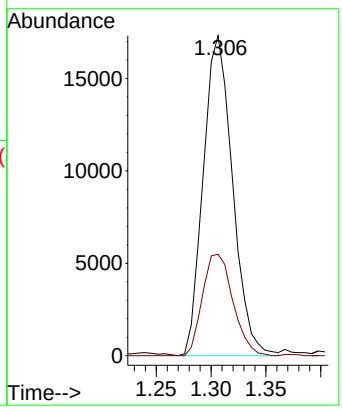


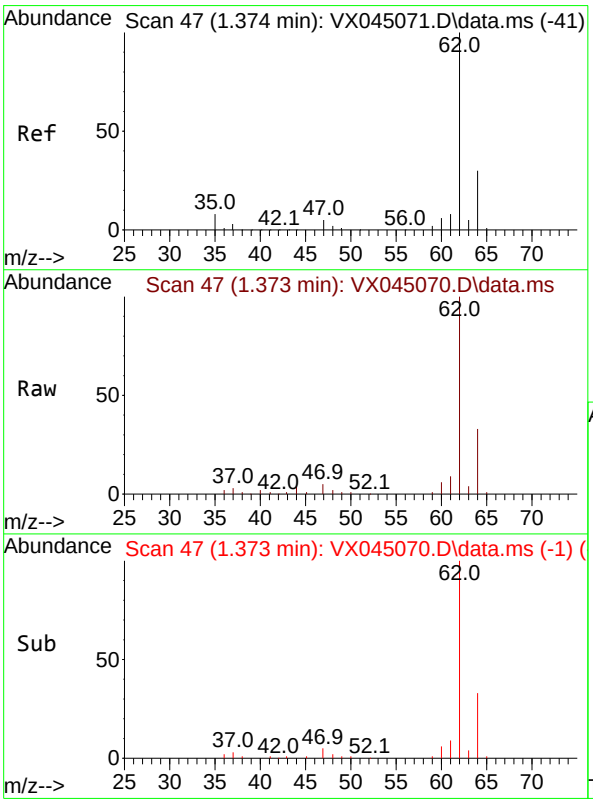
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 32219

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

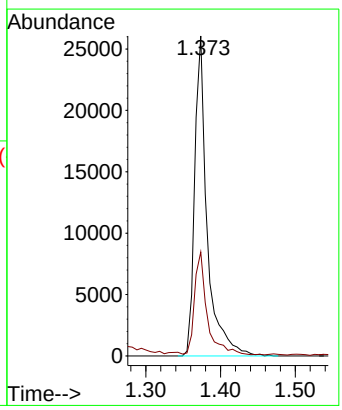


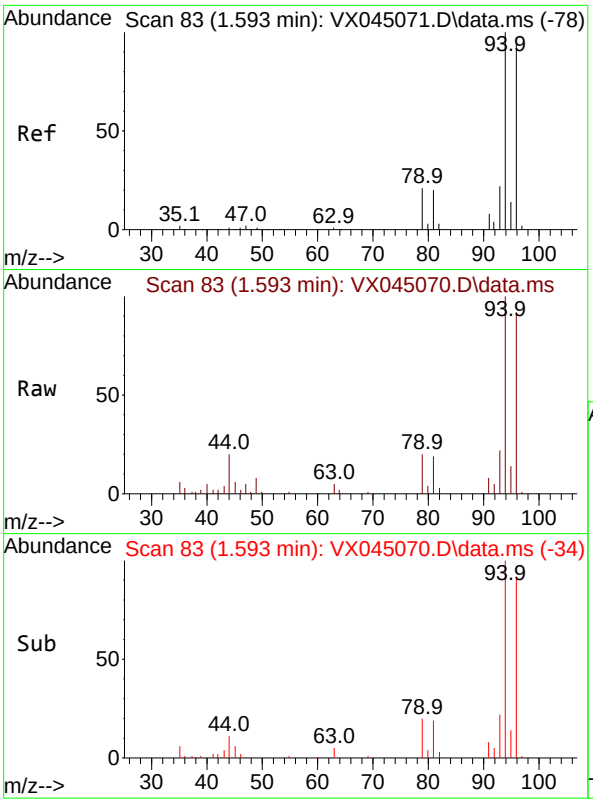


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



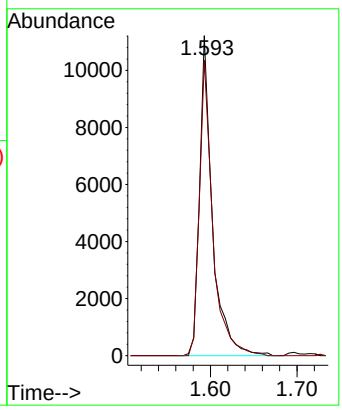


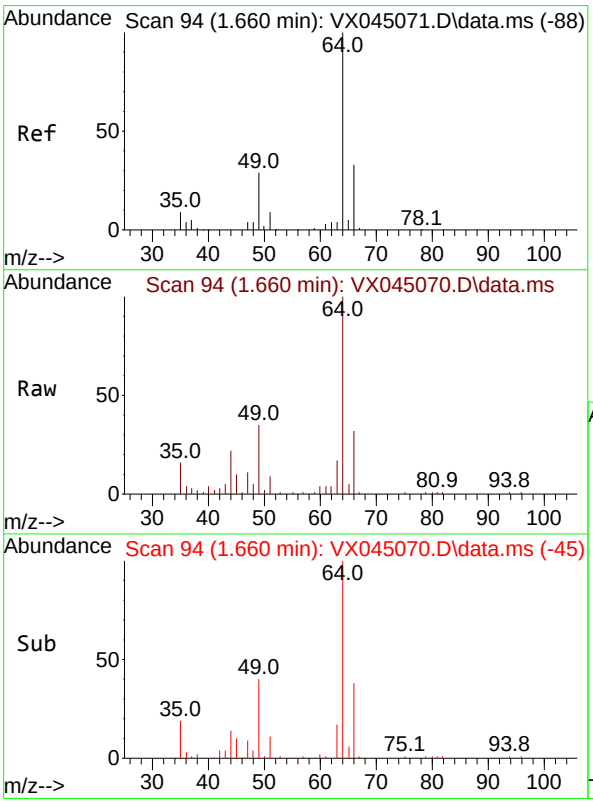
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11584

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

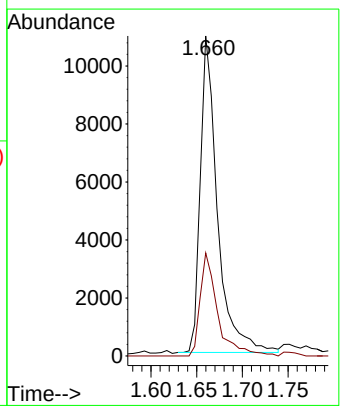


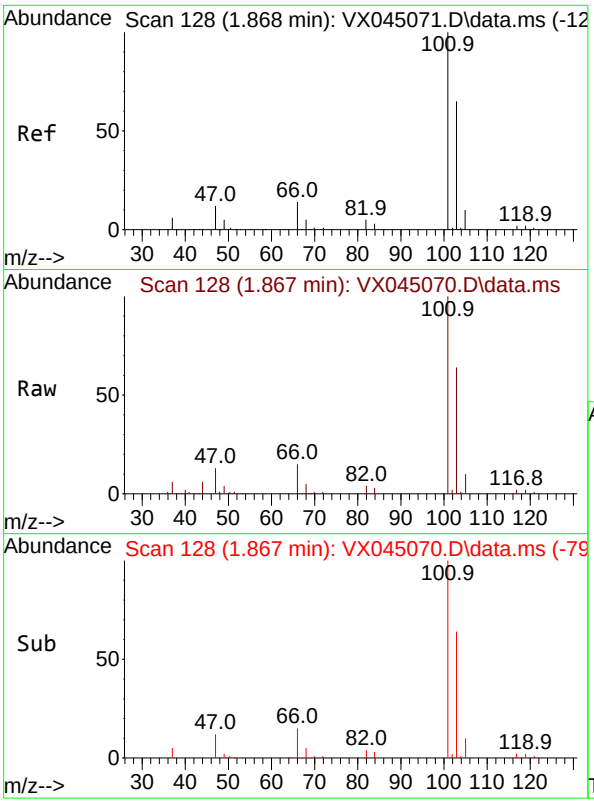


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



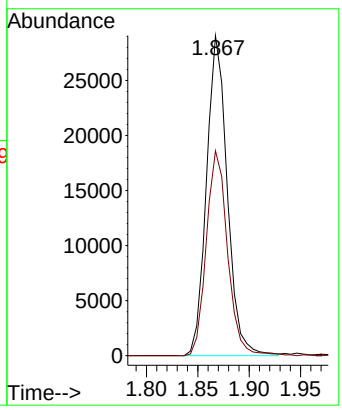


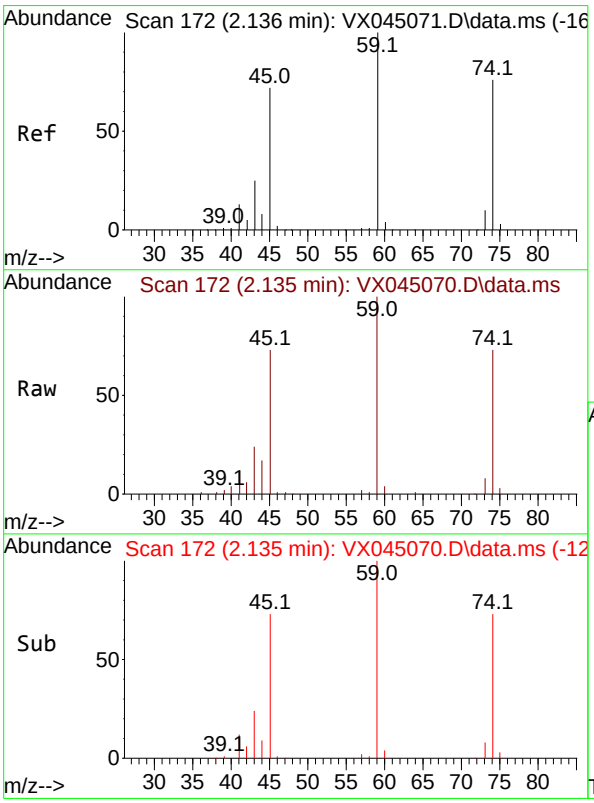
#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 40880

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

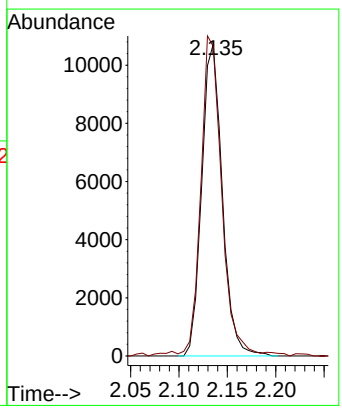


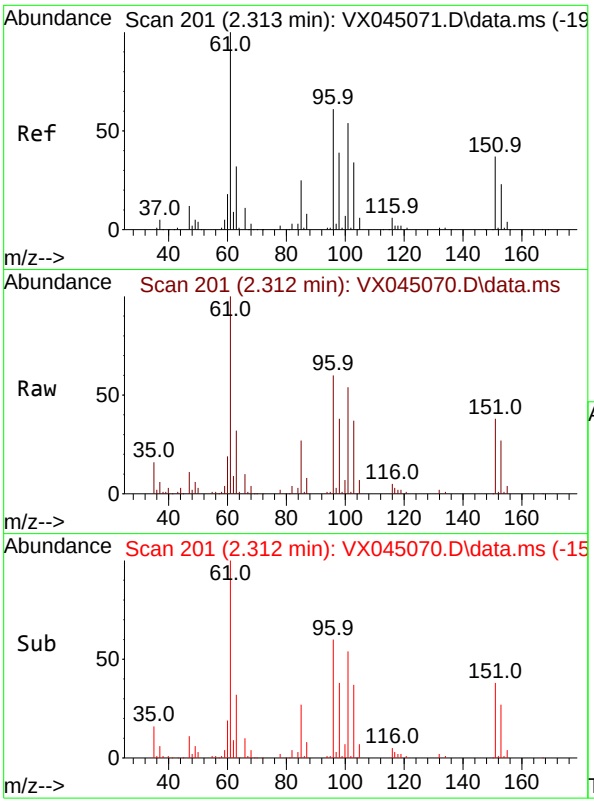


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



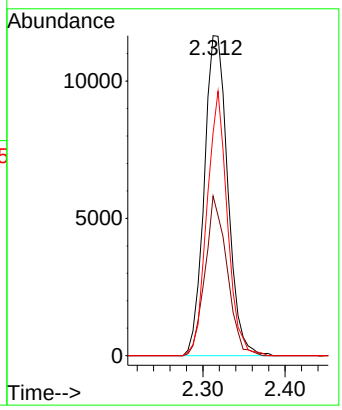


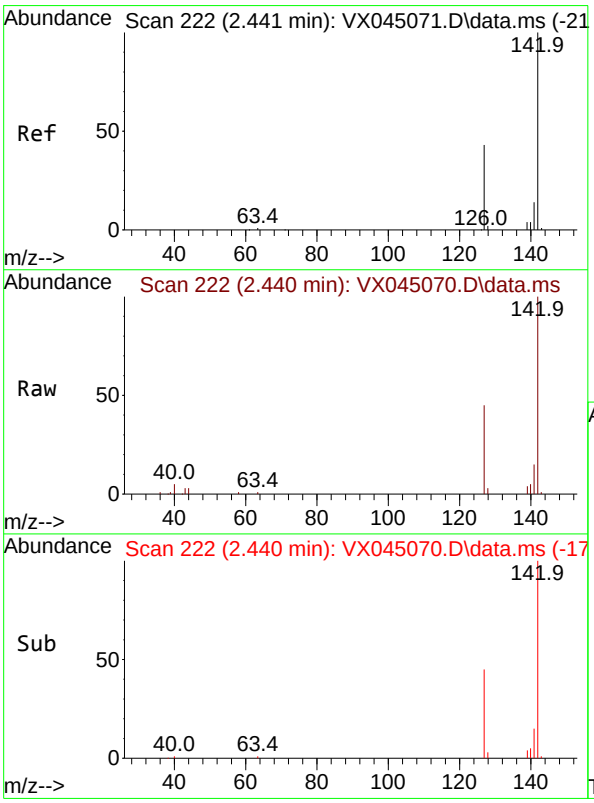
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 23154

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

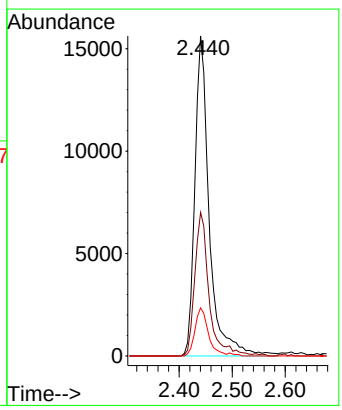


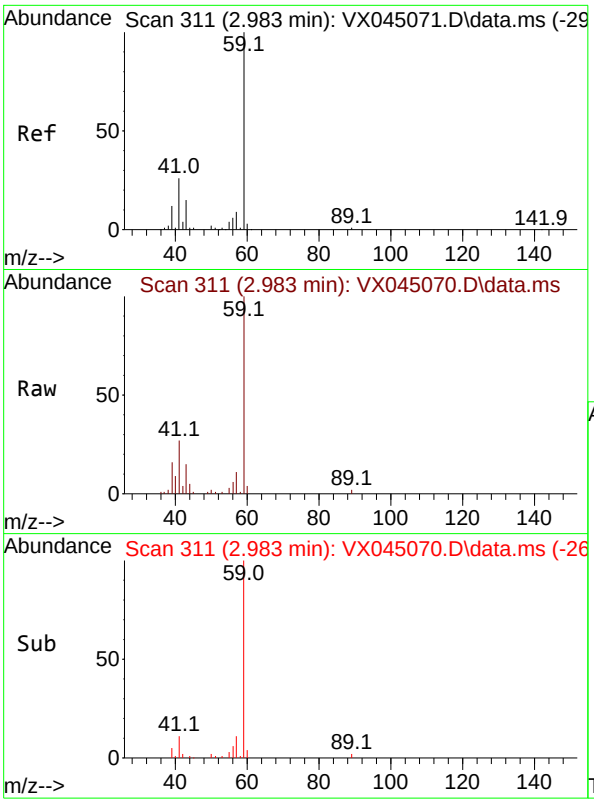


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4



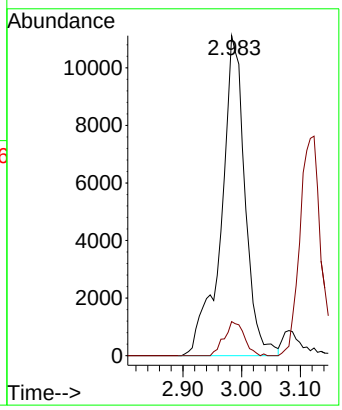


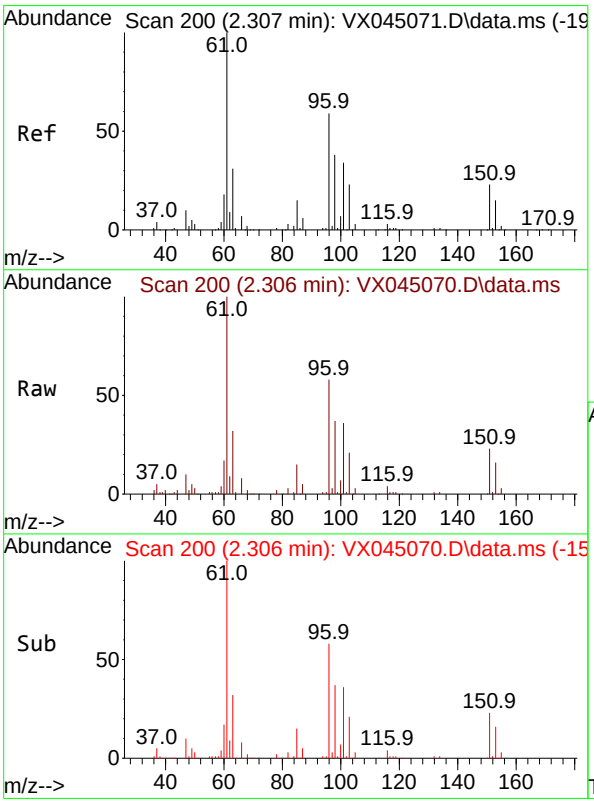
#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 31246

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8

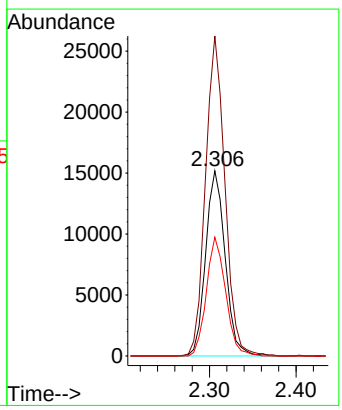


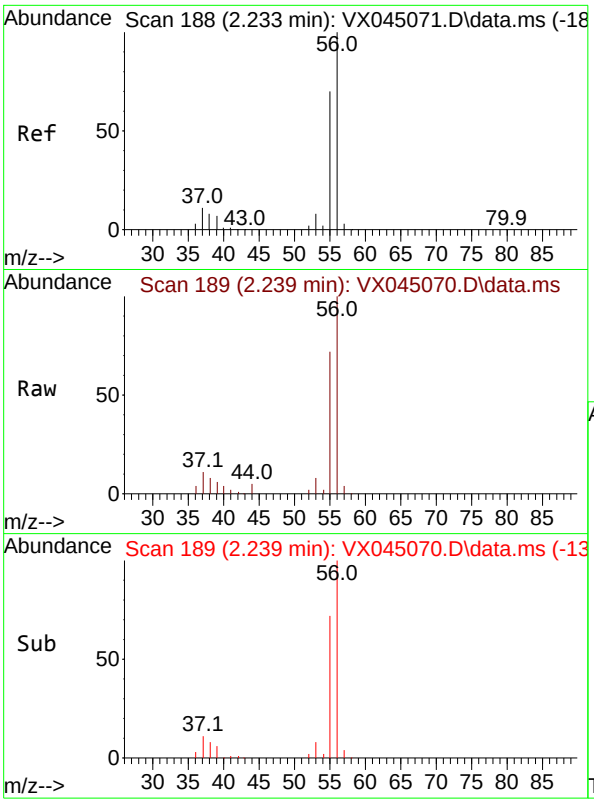


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6



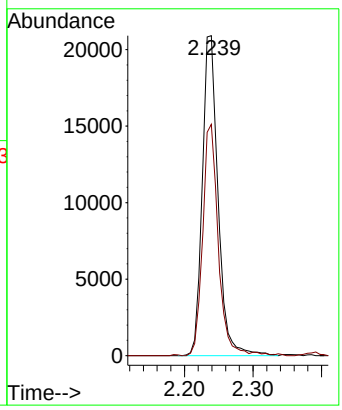


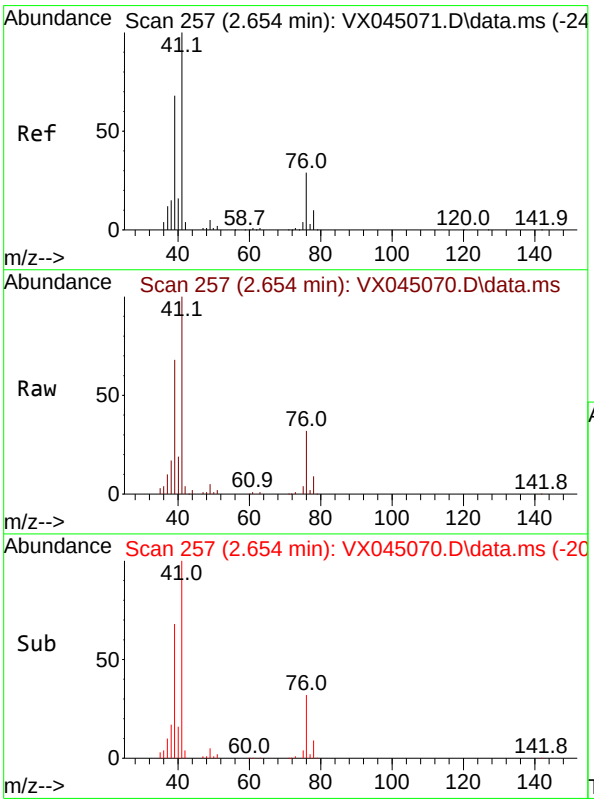
#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33586

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

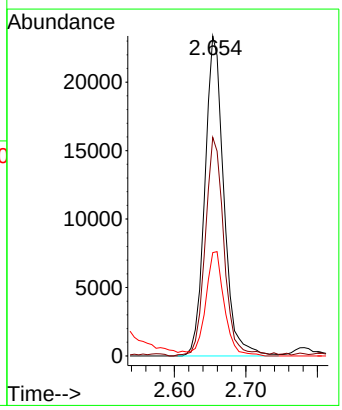


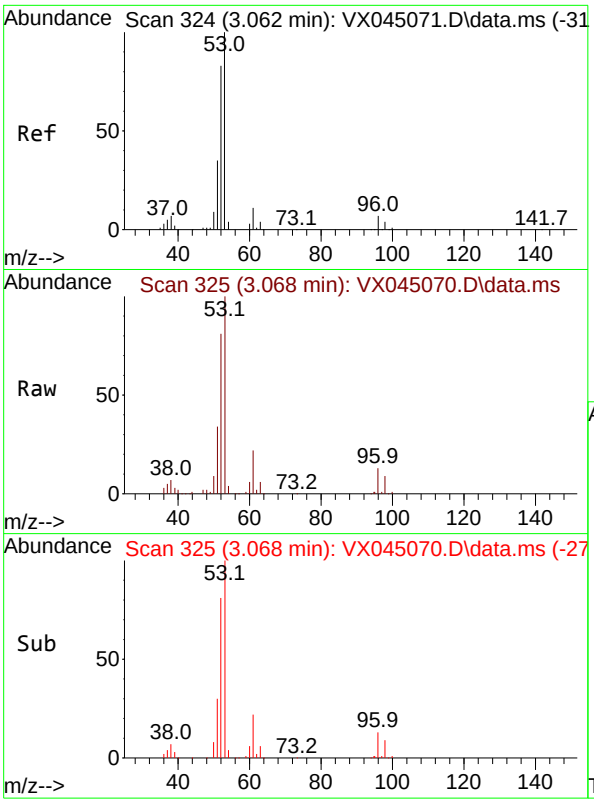


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8



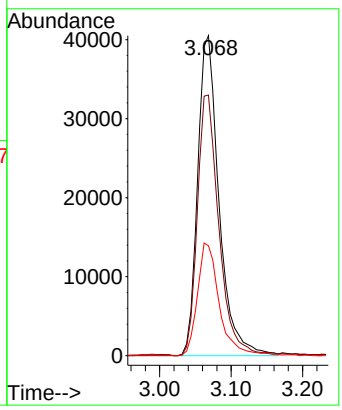


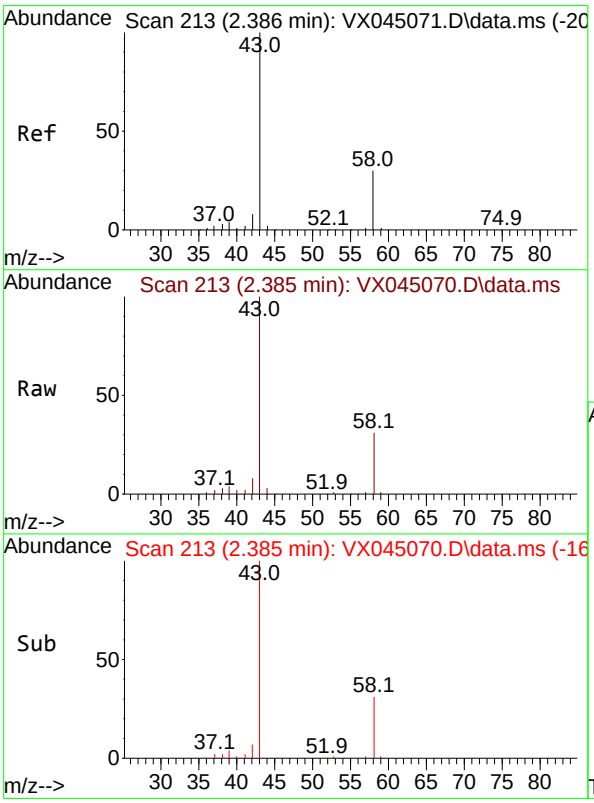
#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 84182

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4

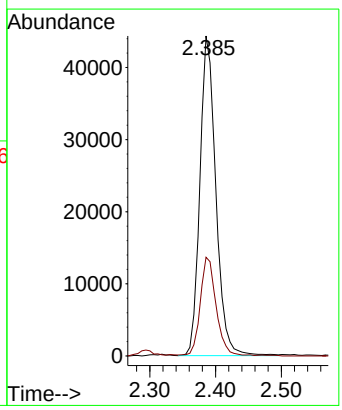


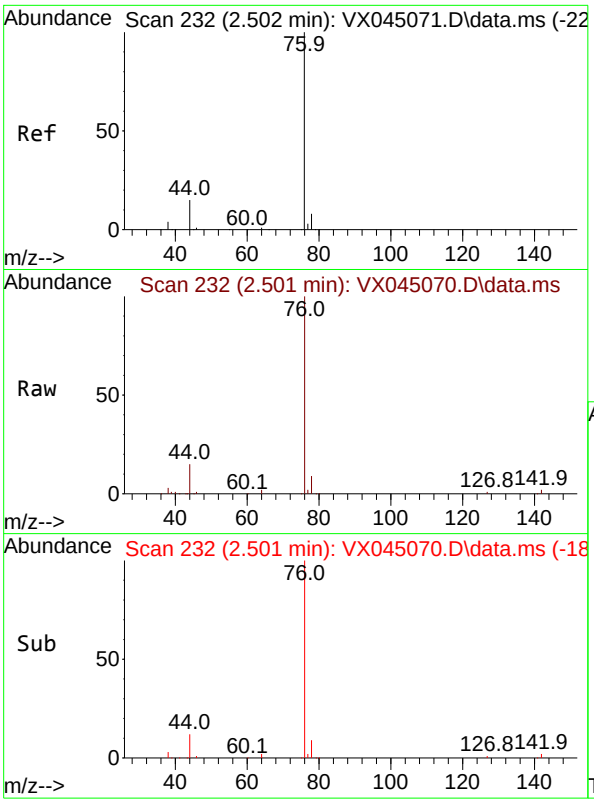


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



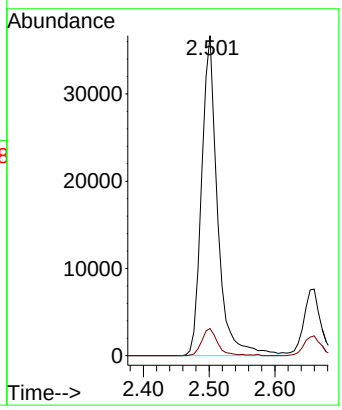


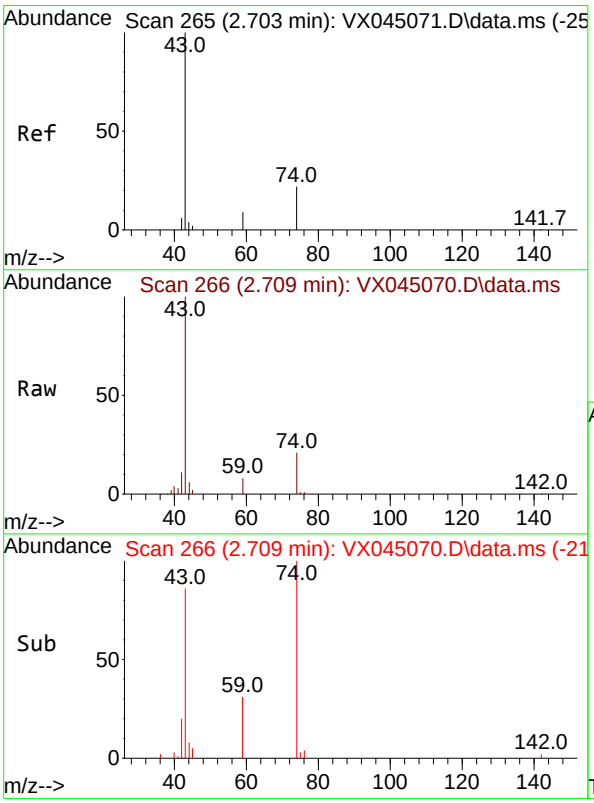
#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61802

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

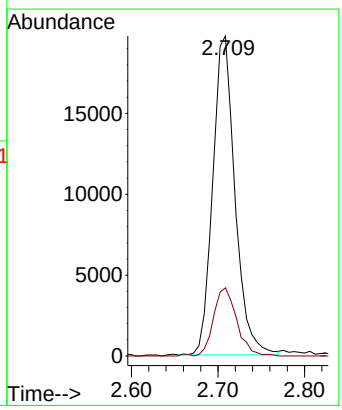


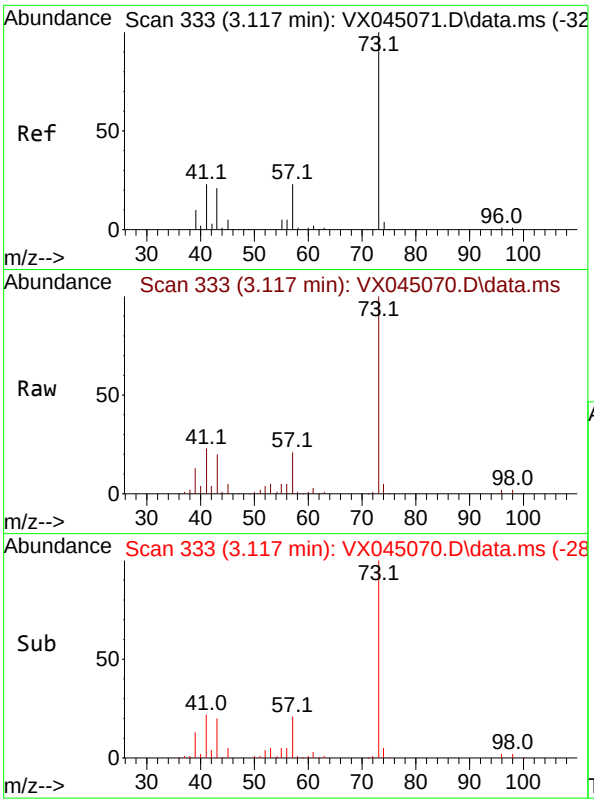


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



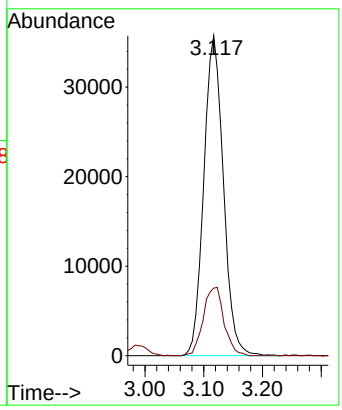


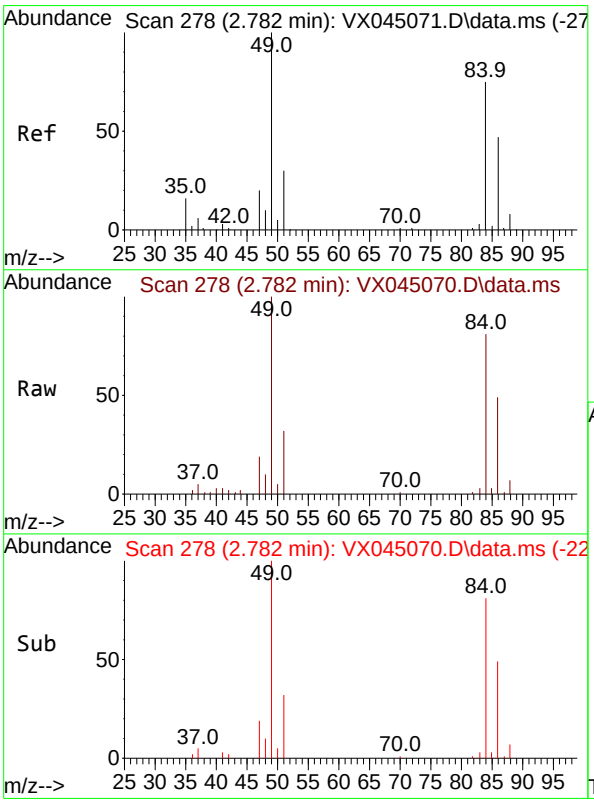
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 82833

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7

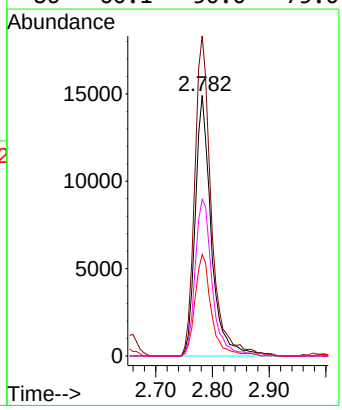


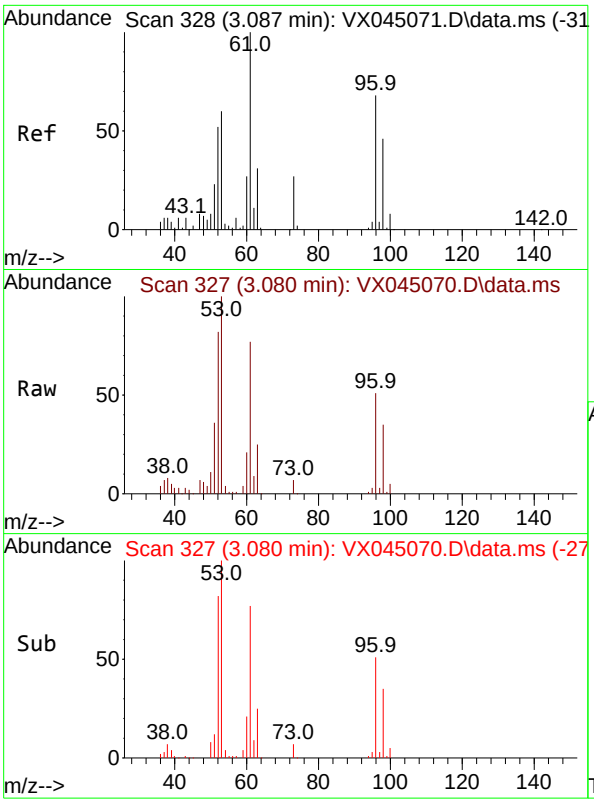


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0



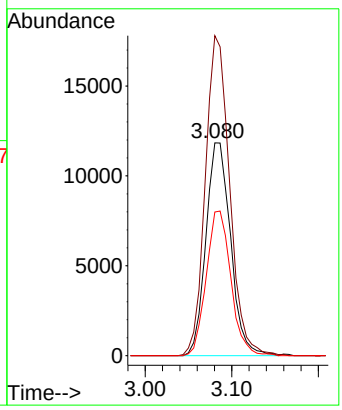


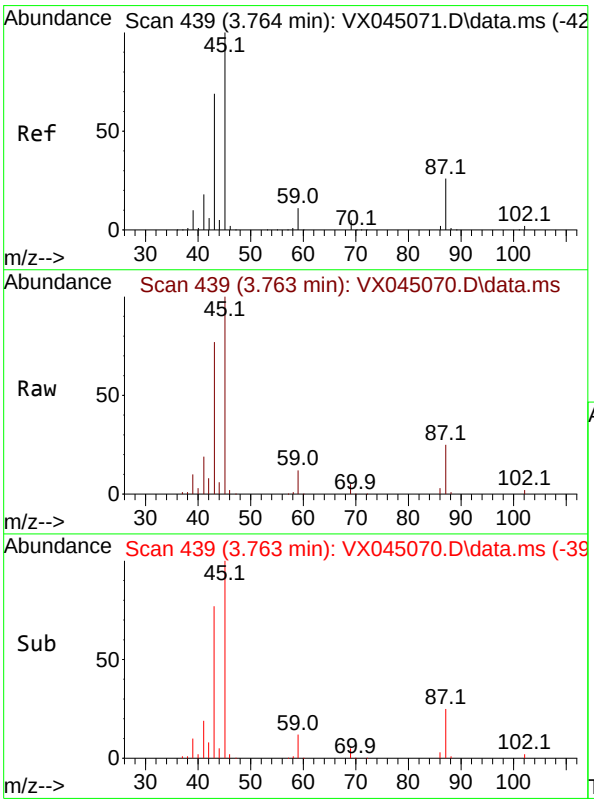
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 23471

Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2

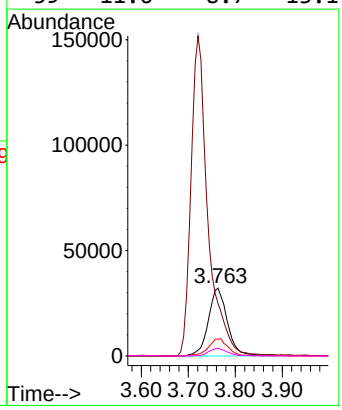


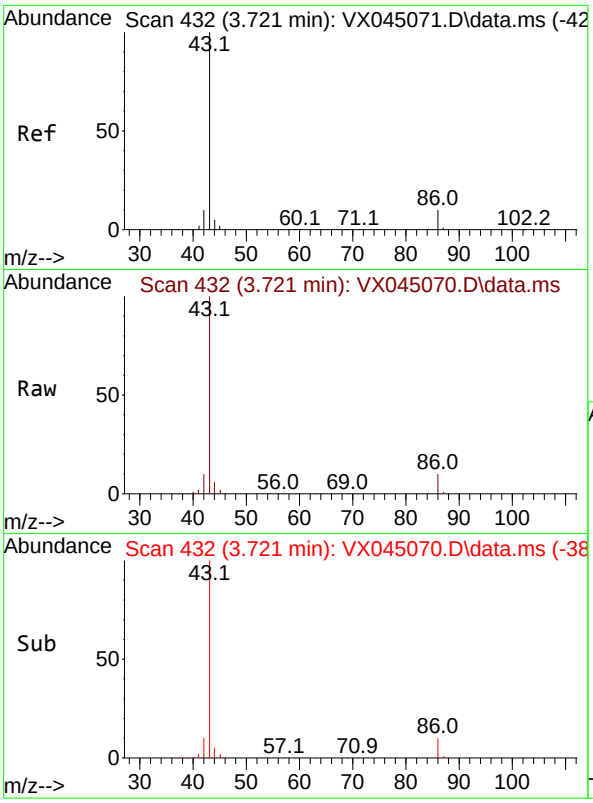


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1



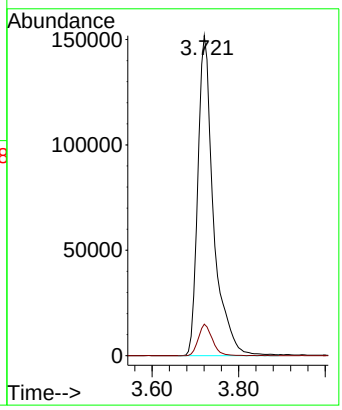


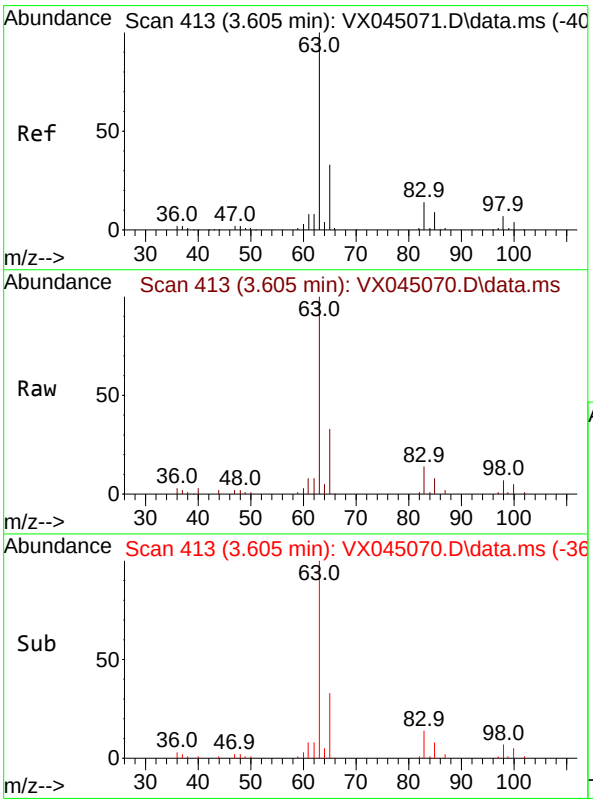
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

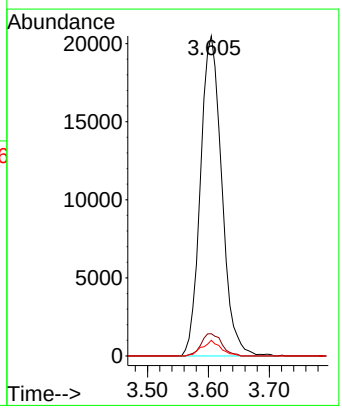


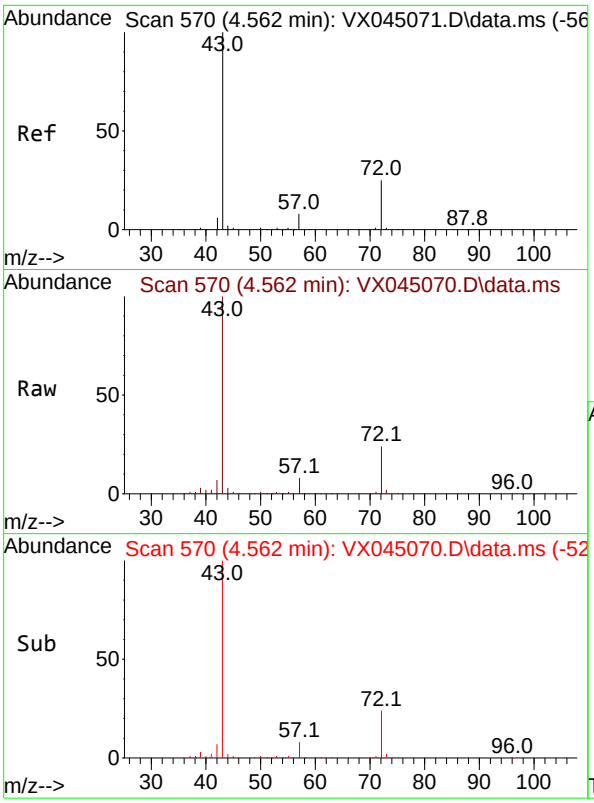


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5



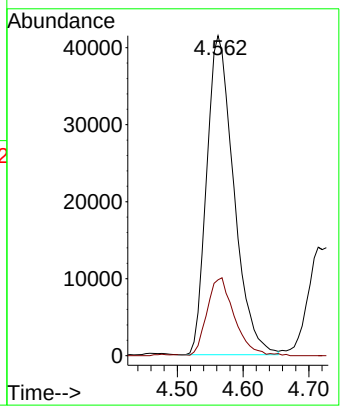


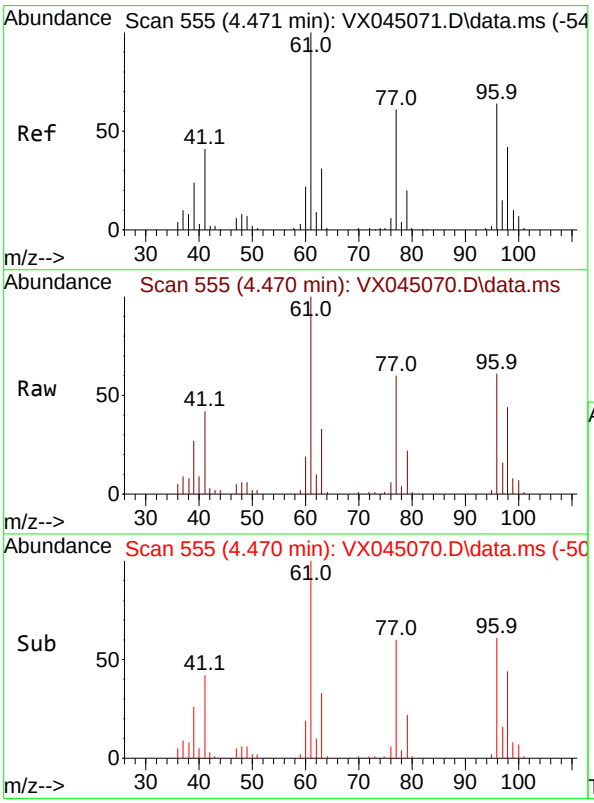
#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 118713

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

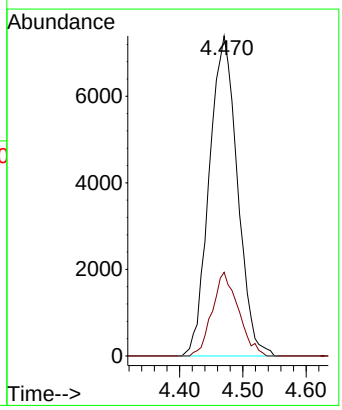


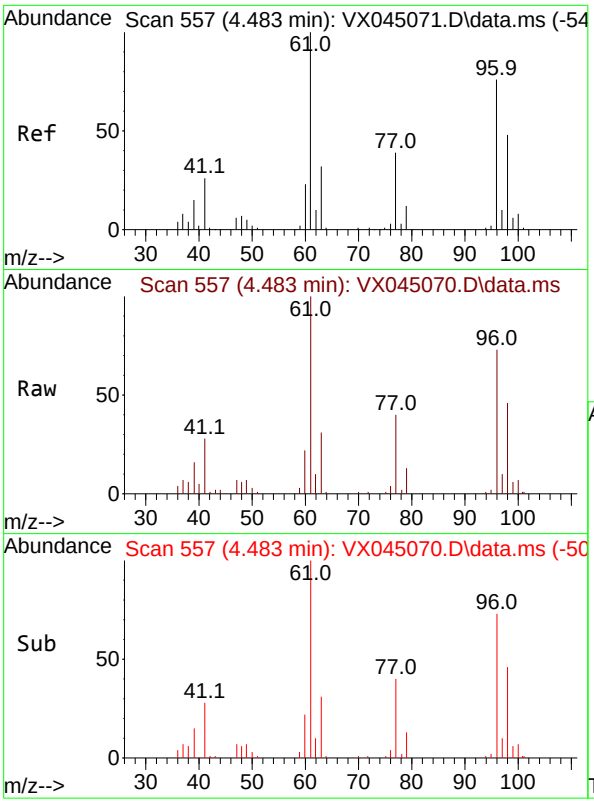


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



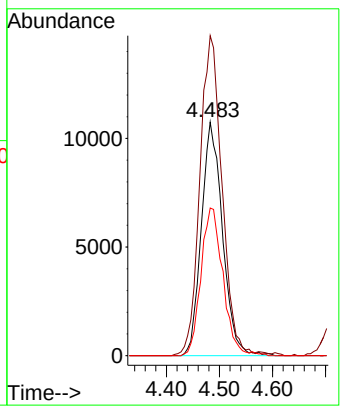


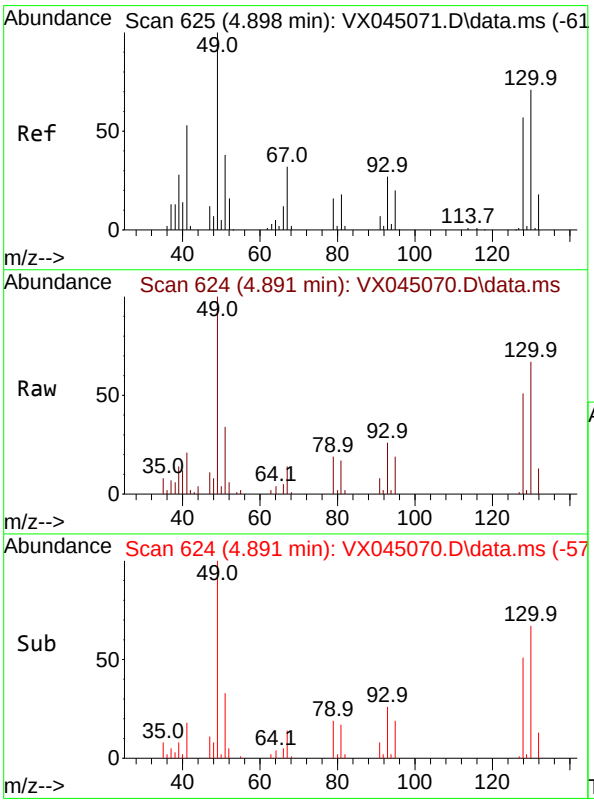
#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 29788

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0

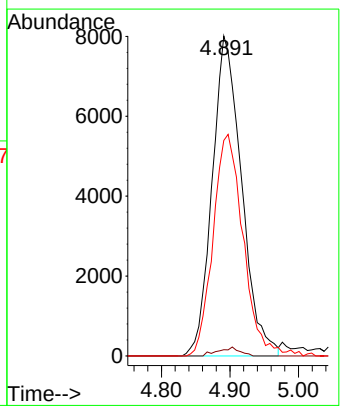


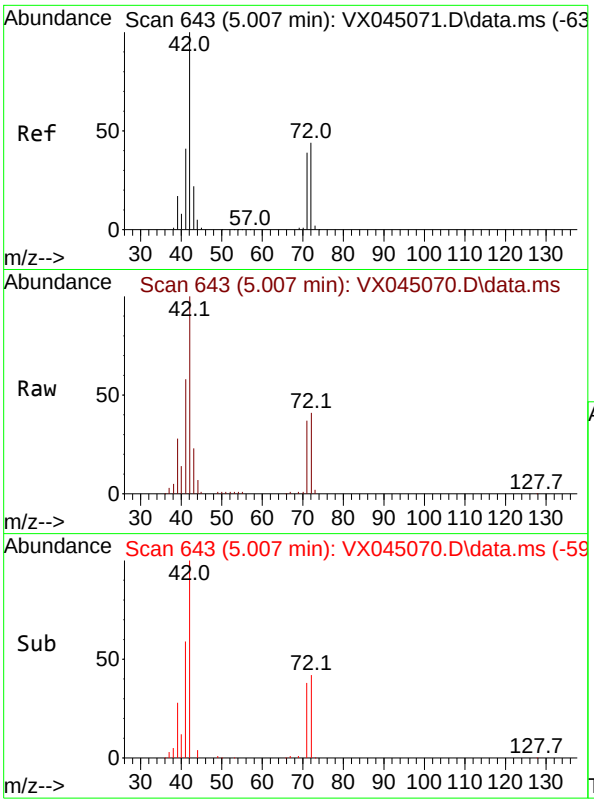


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1



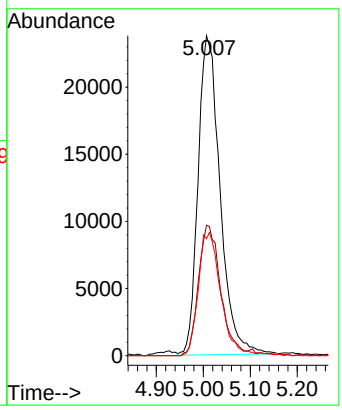


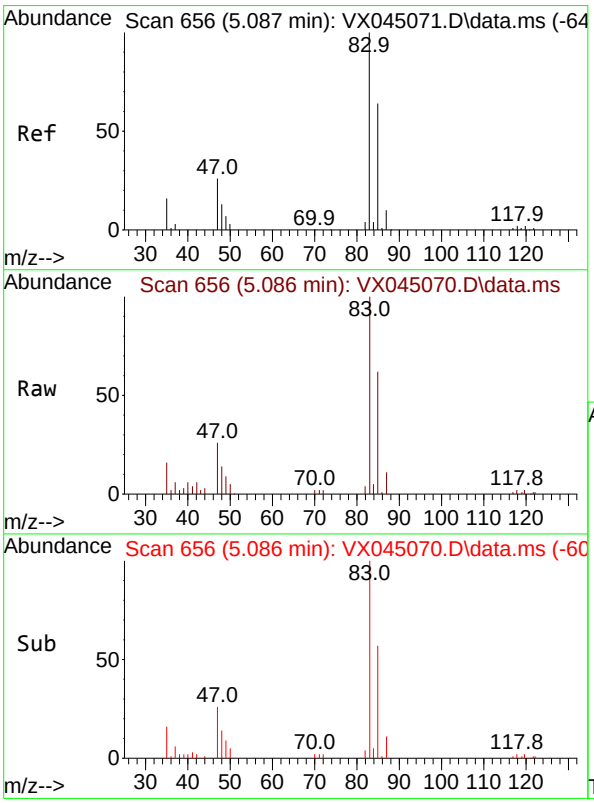
#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 77433

Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

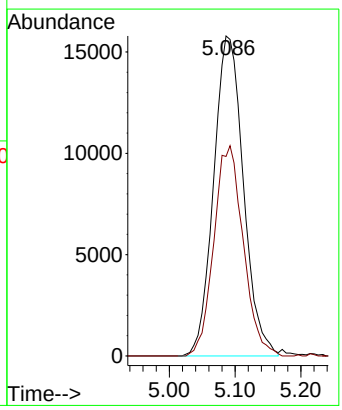


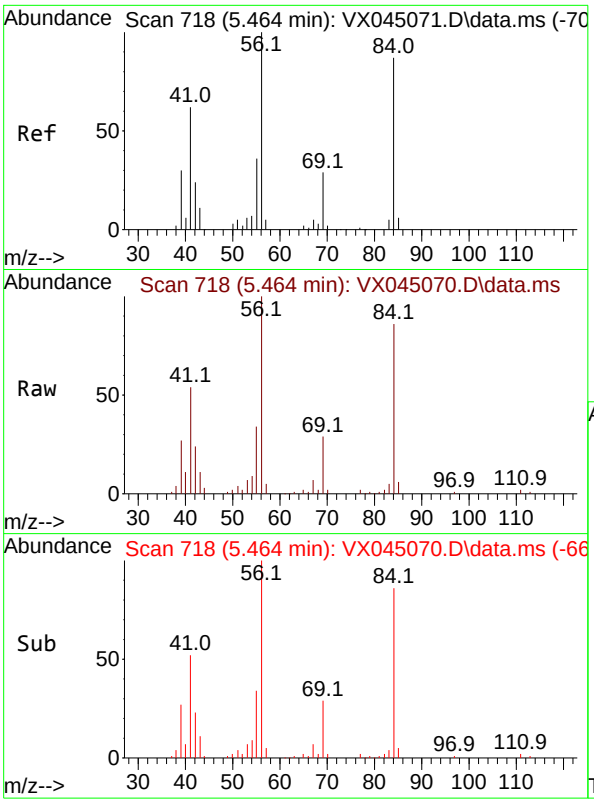


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2



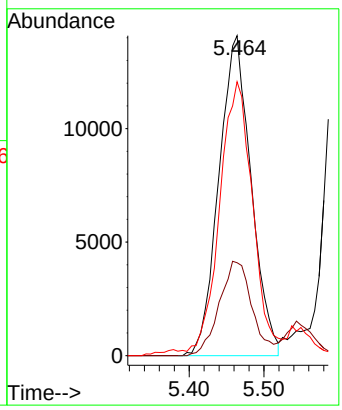


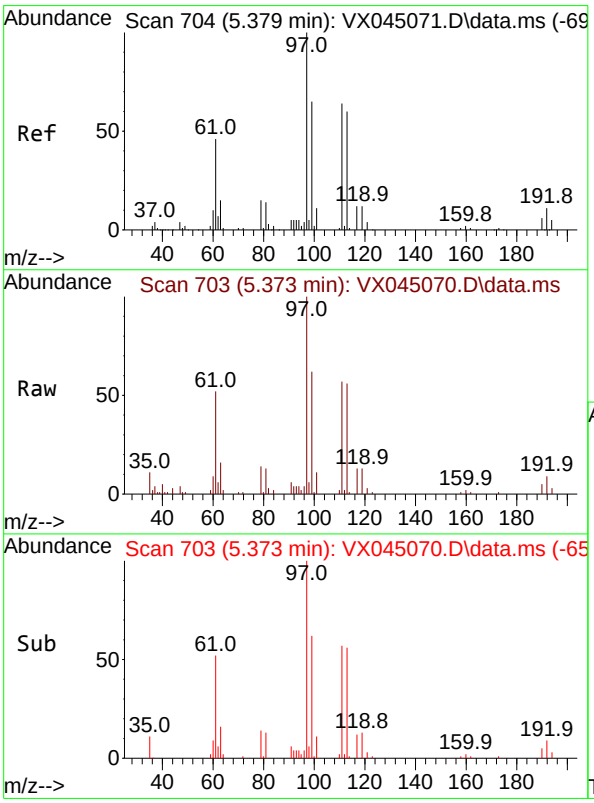
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 42340

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2

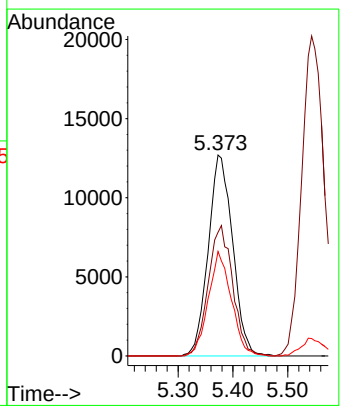


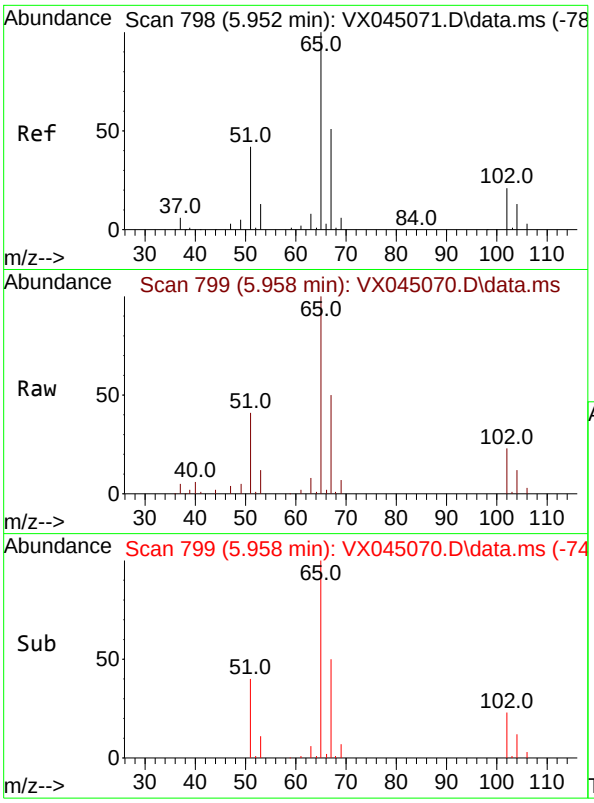


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6



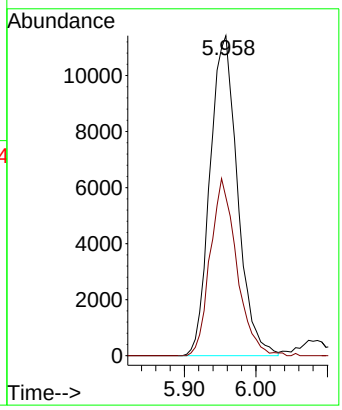


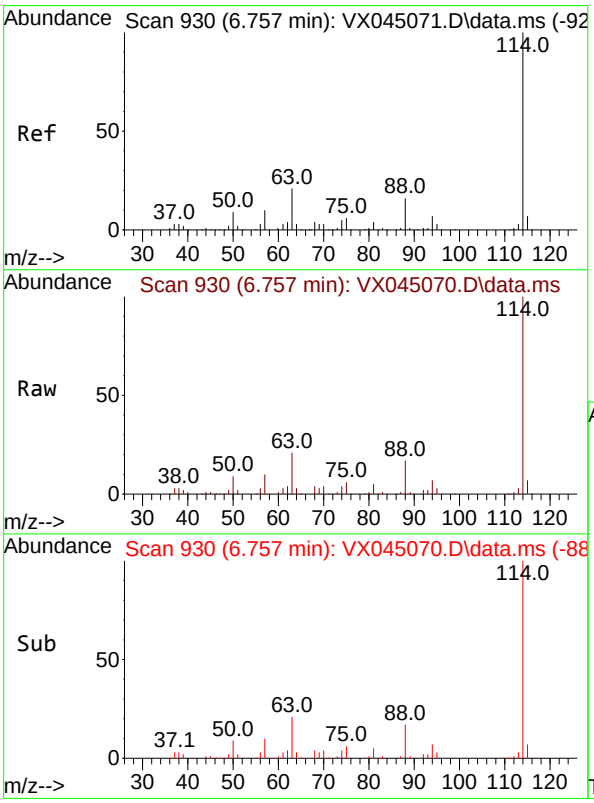
#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2

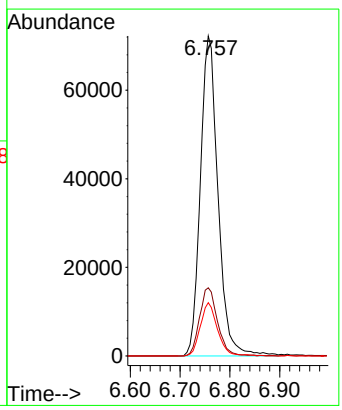


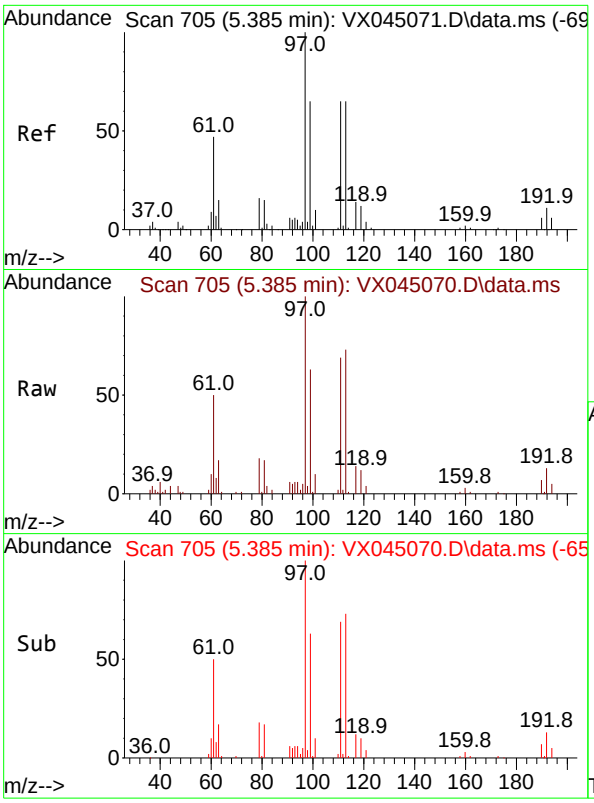


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8



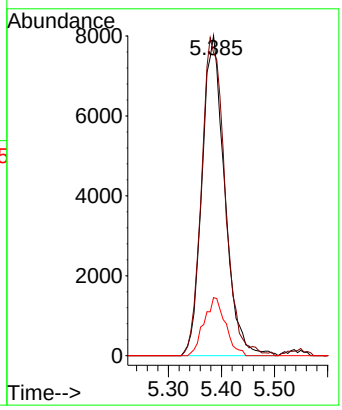


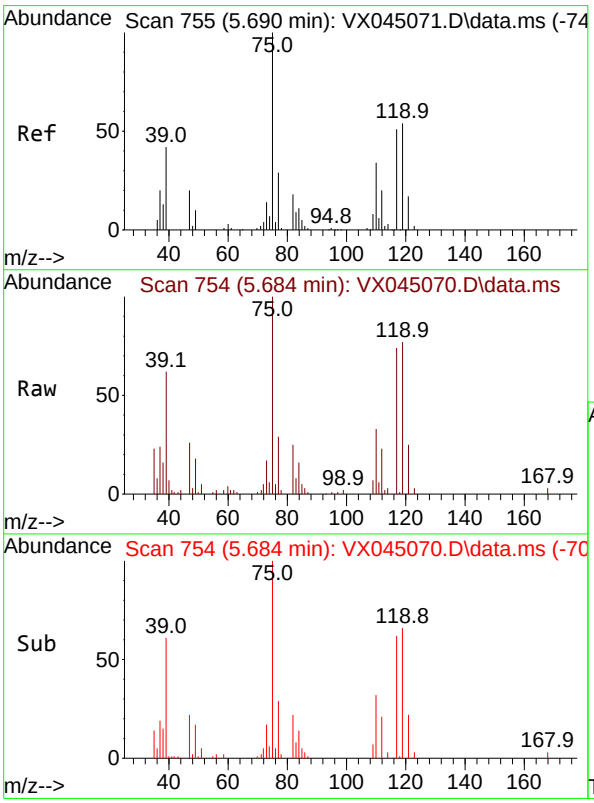
#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 23739

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5

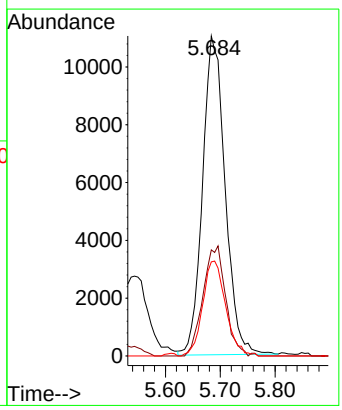


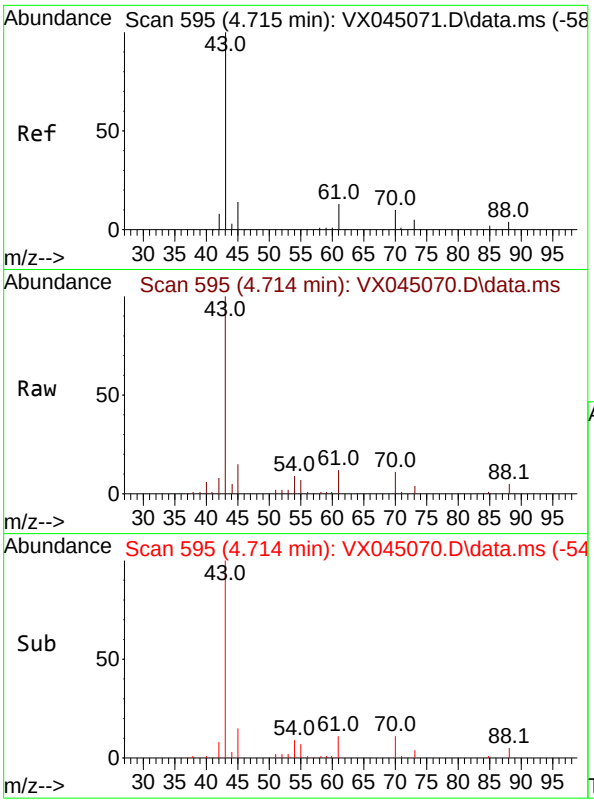


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7



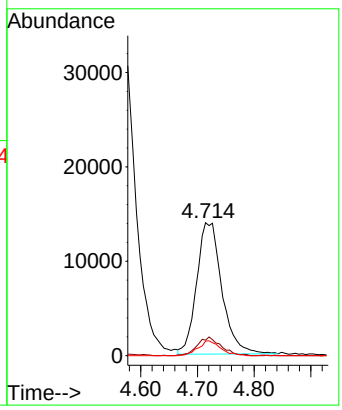


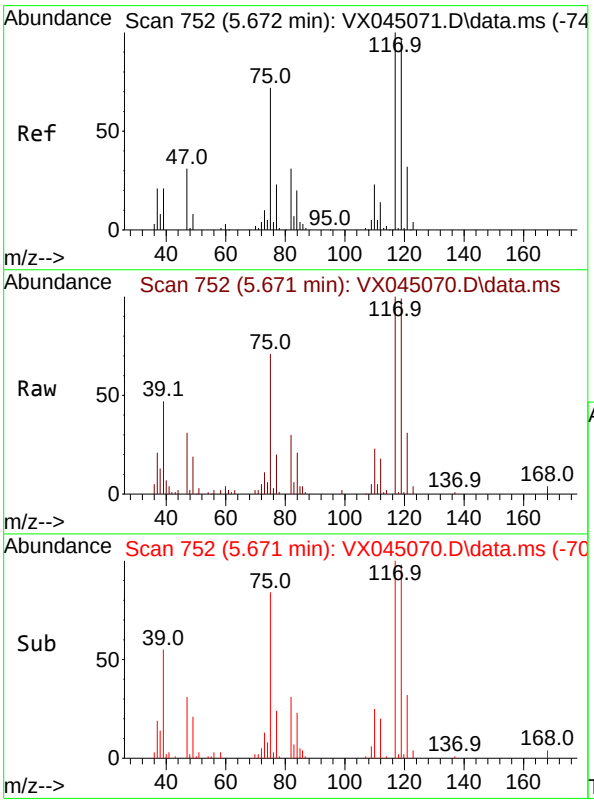
#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 43097

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5

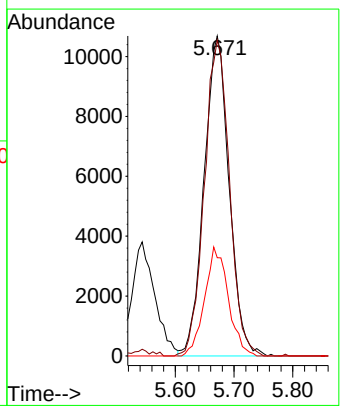


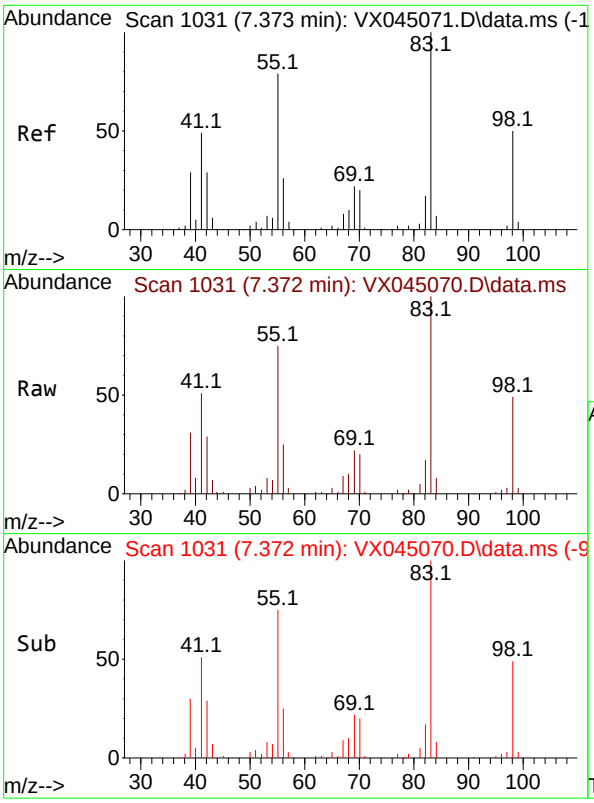


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3



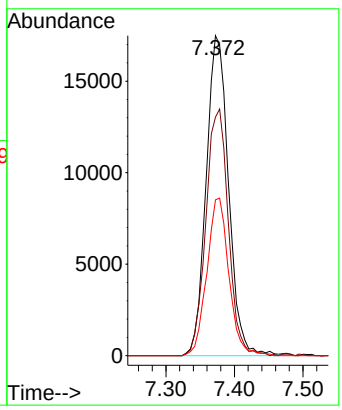


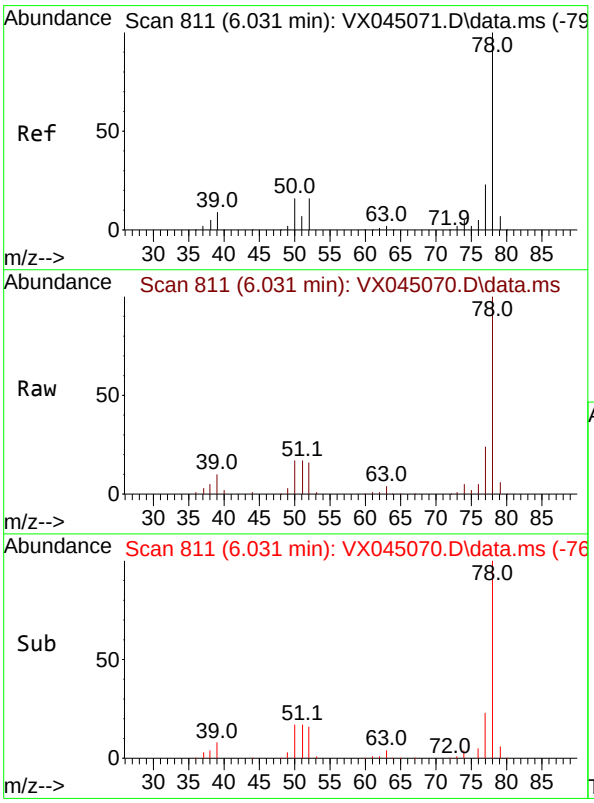
#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 39769

Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5

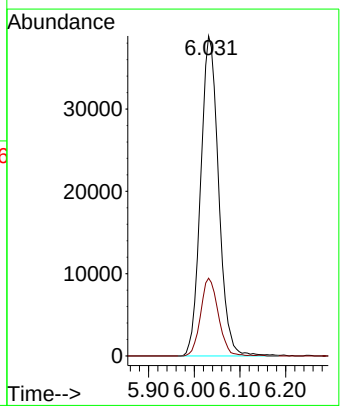


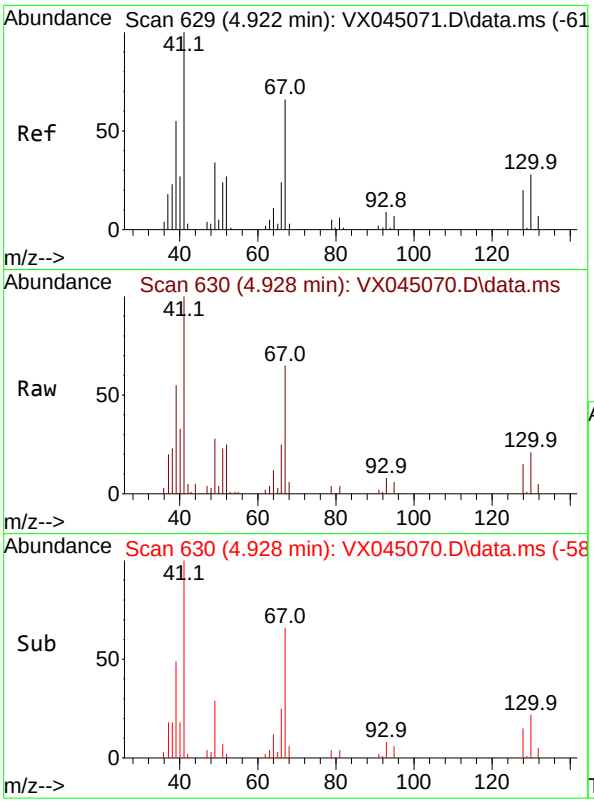


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



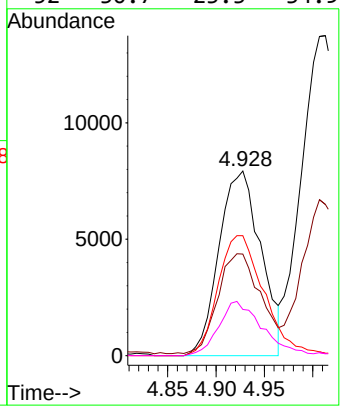


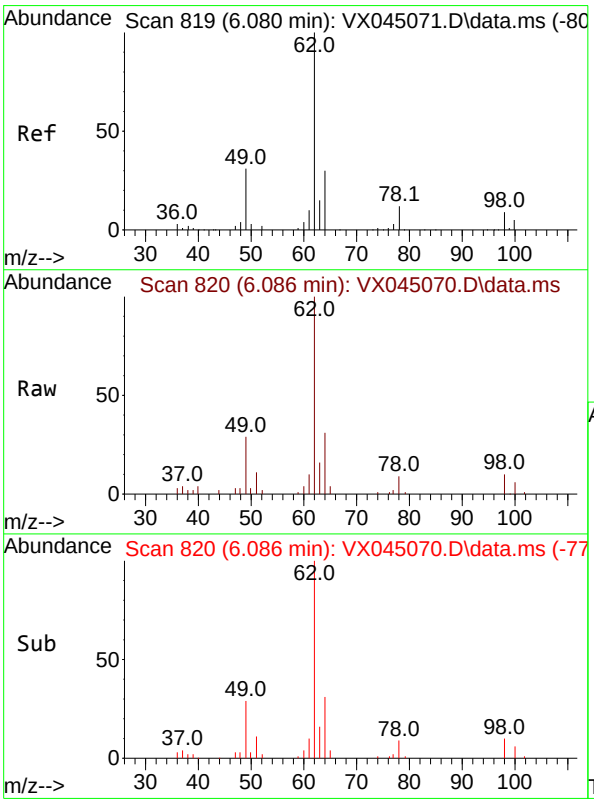
#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 23924

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9

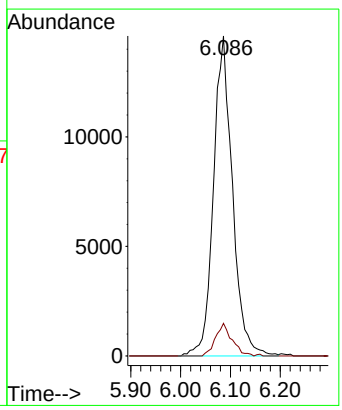


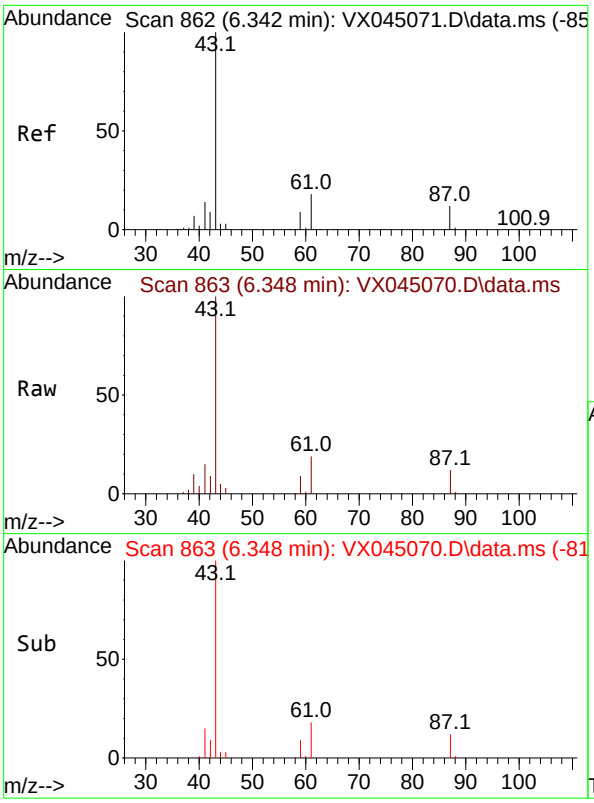


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



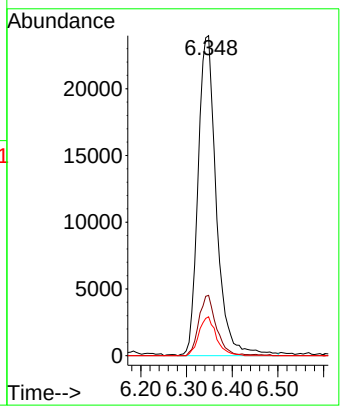


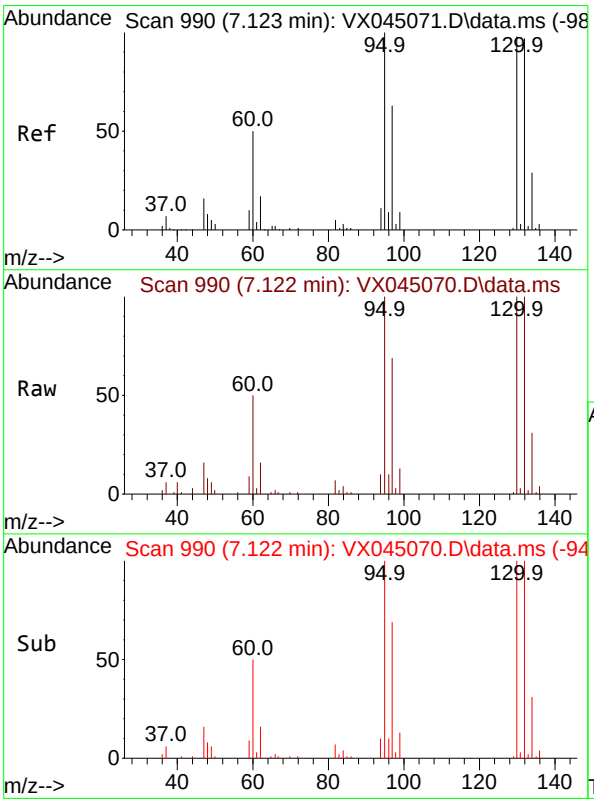
#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66727

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

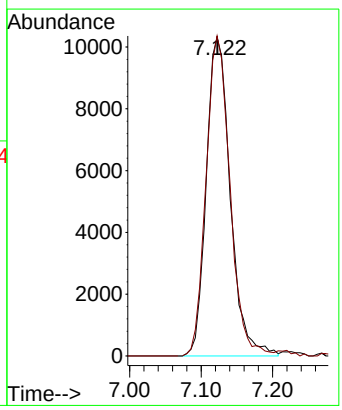


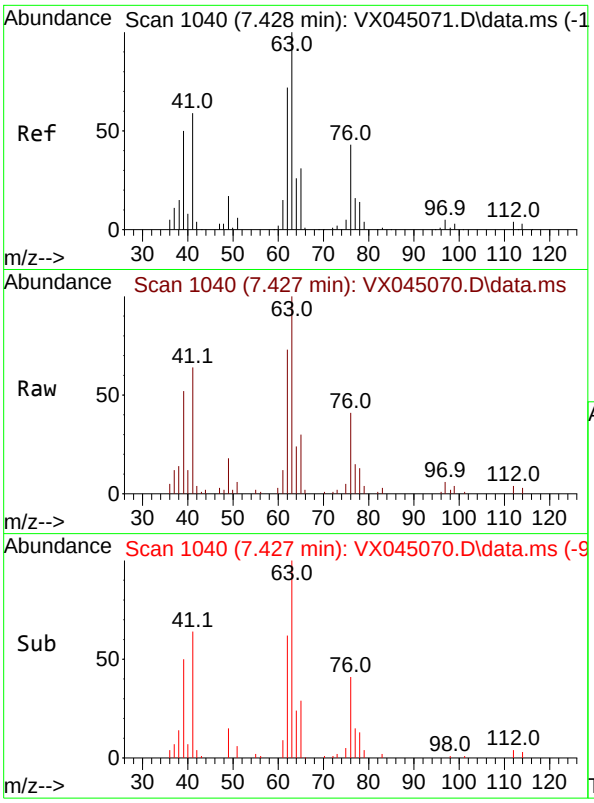


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



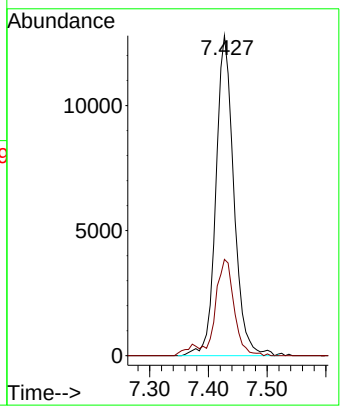


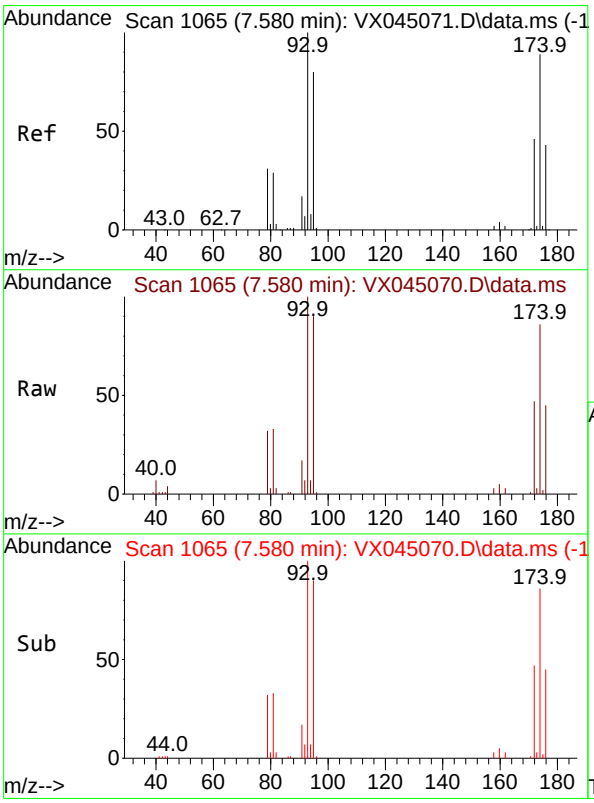
#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 27128

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

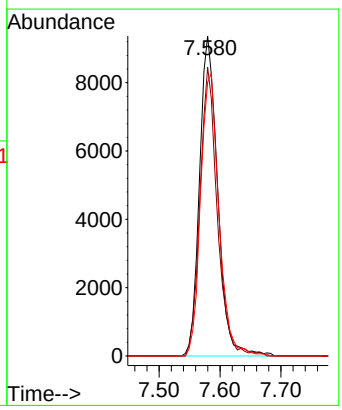


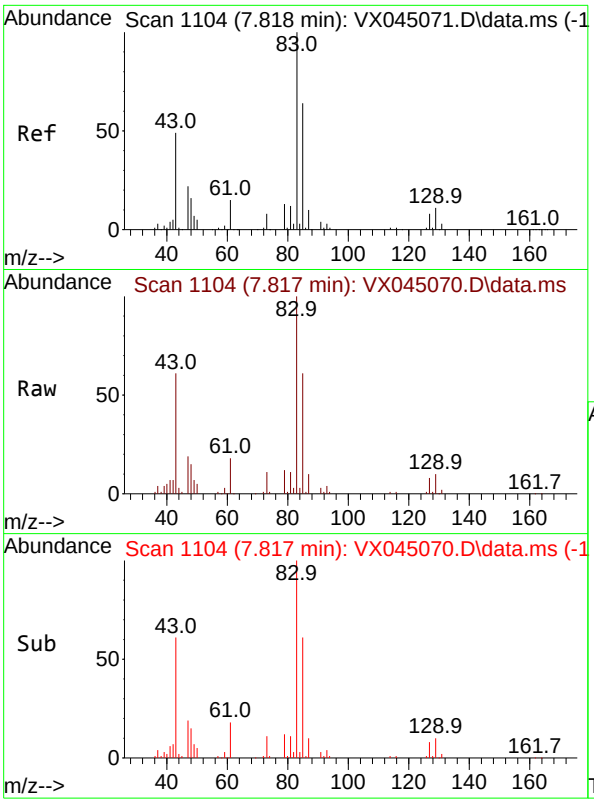


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2



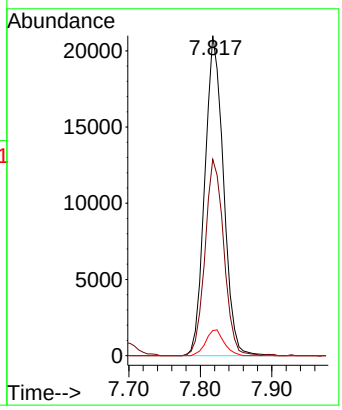


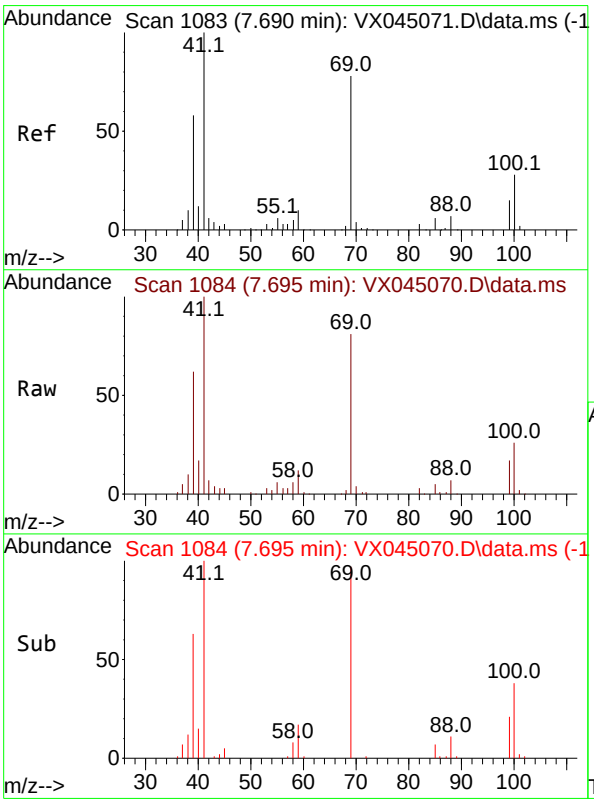
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 38038

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6

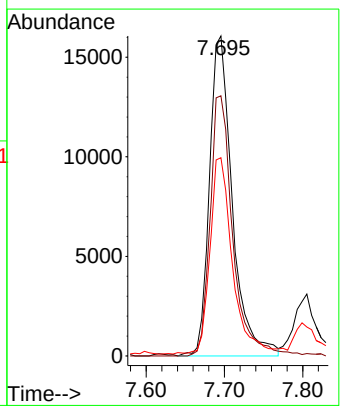


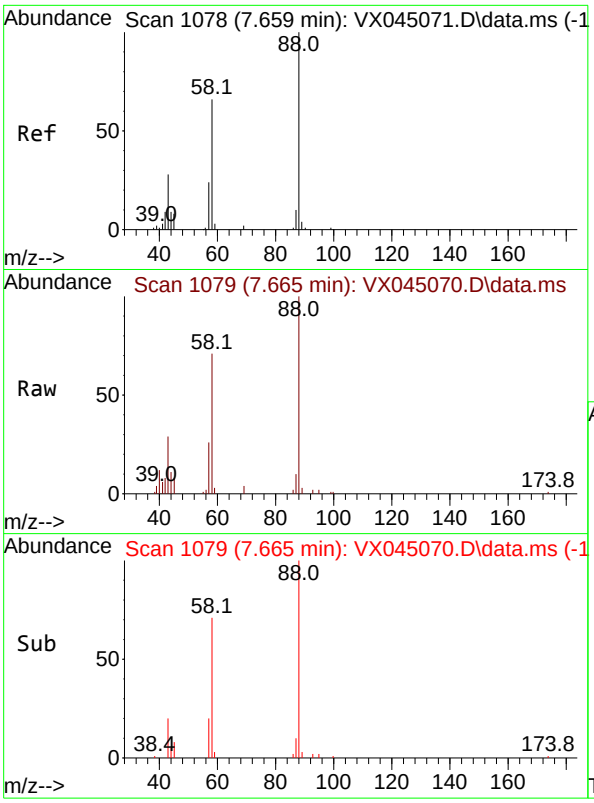


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3



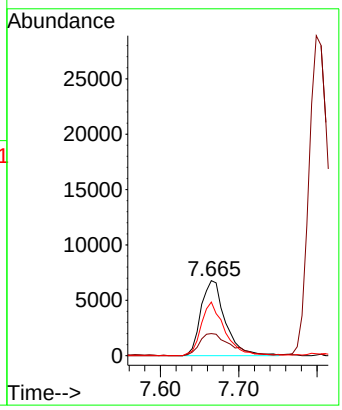


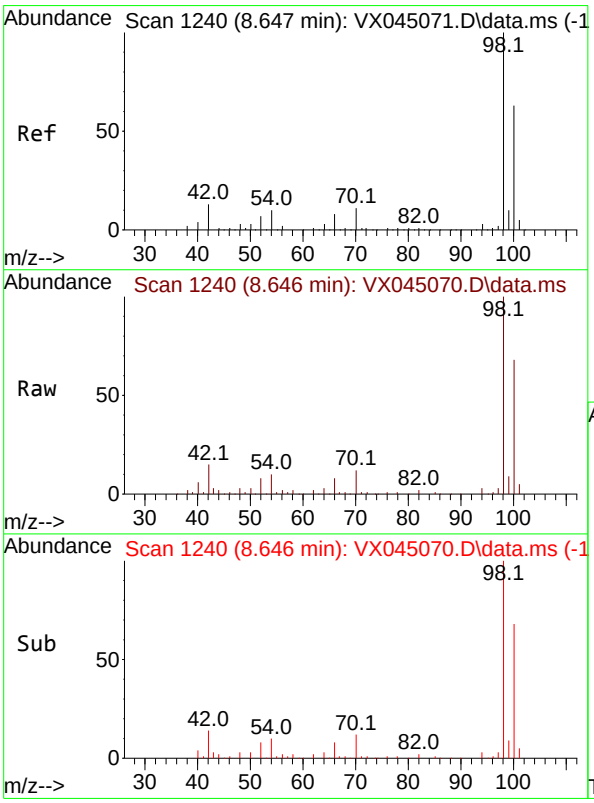
#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 14602

Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8

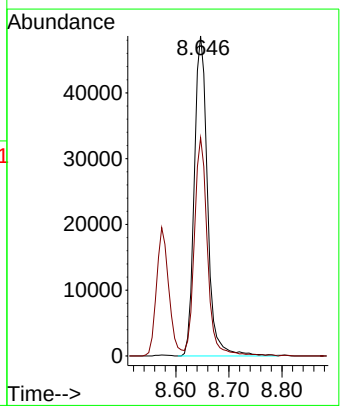


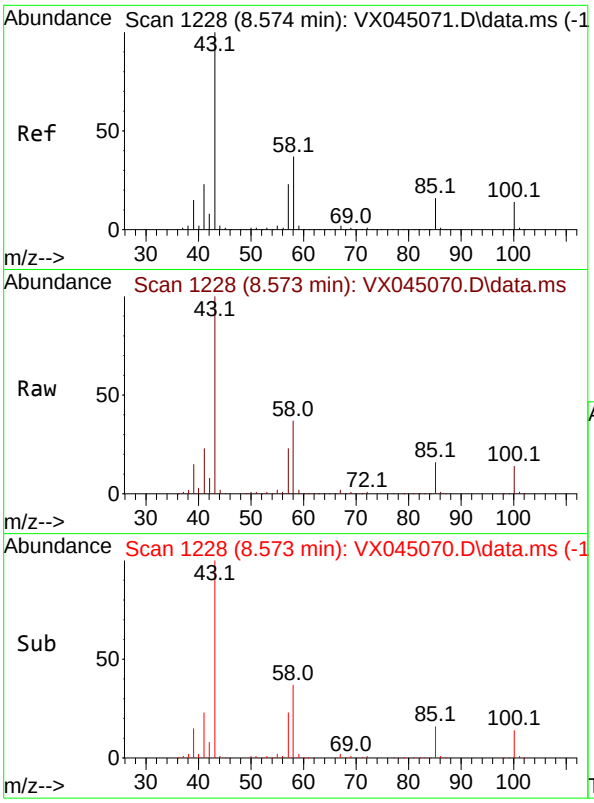


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



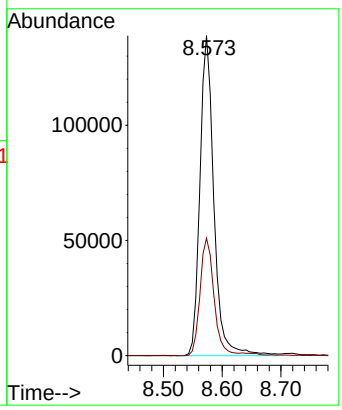


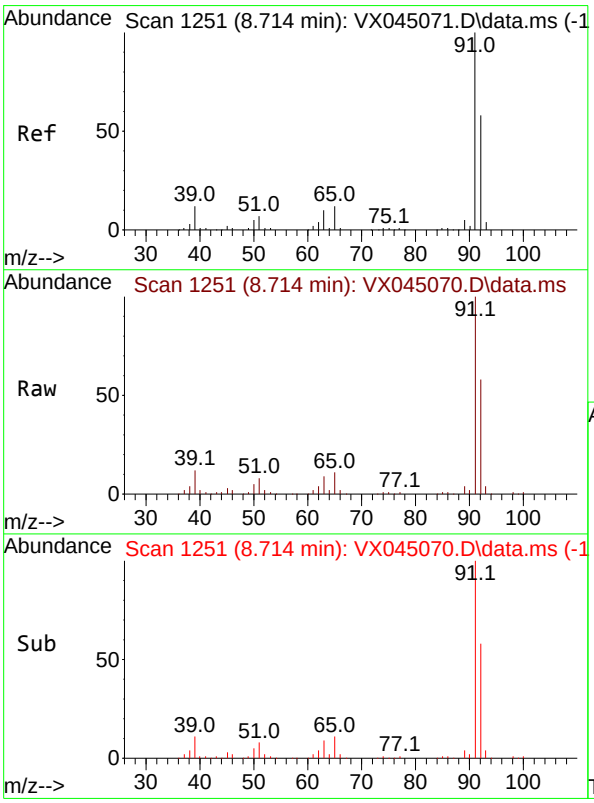
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 229615

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

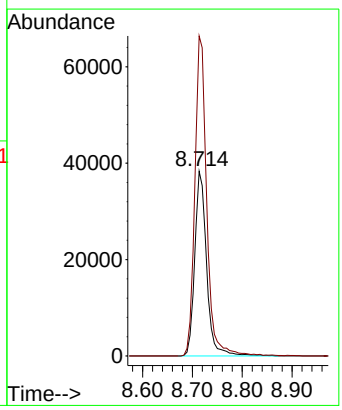


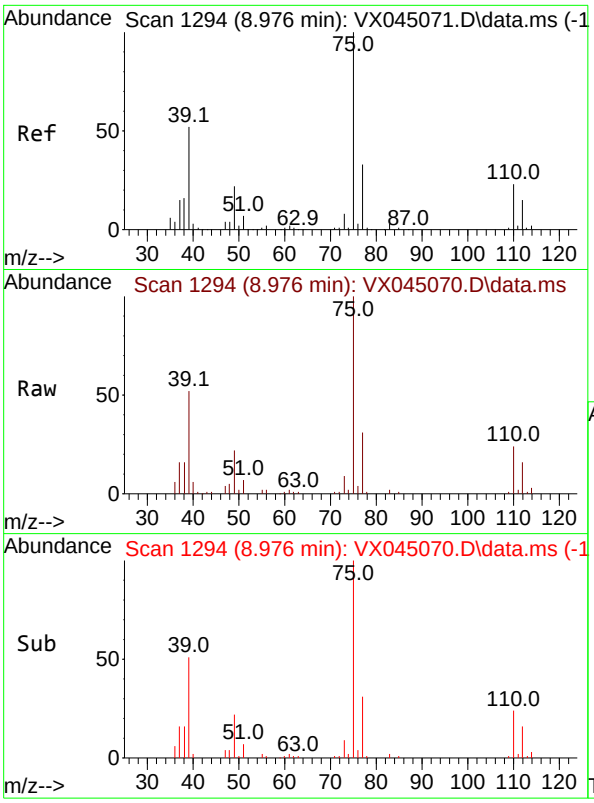


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



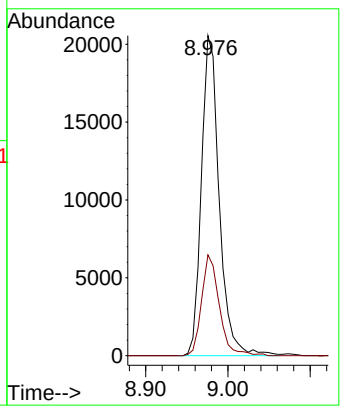


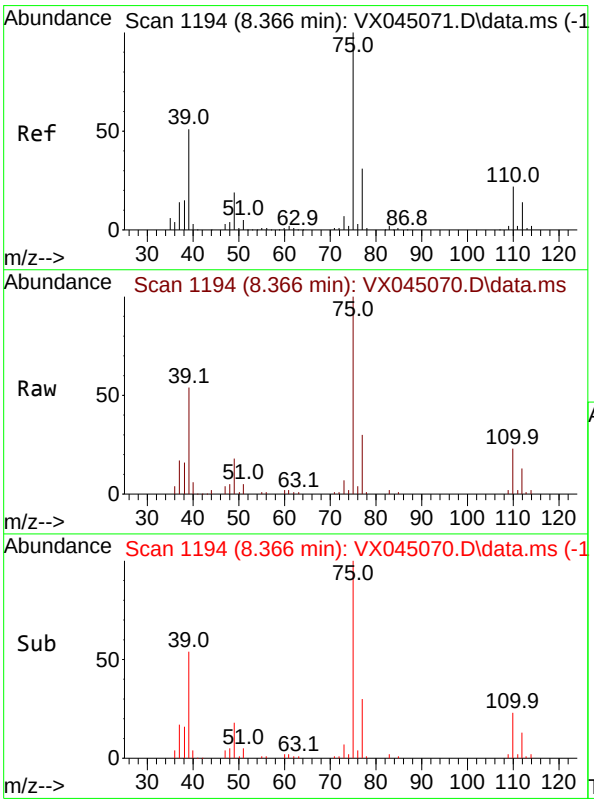
#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

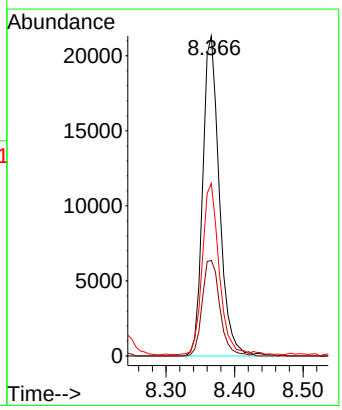


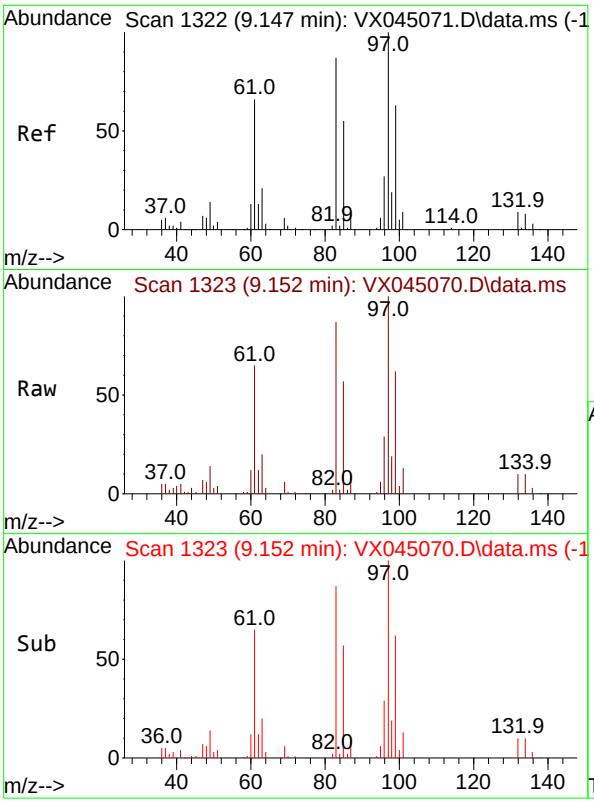


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1



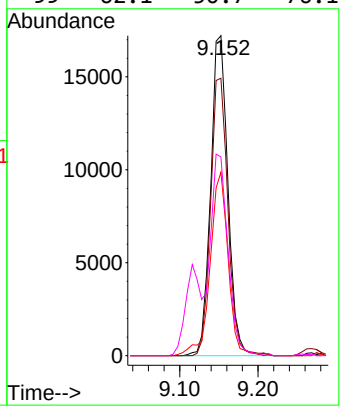


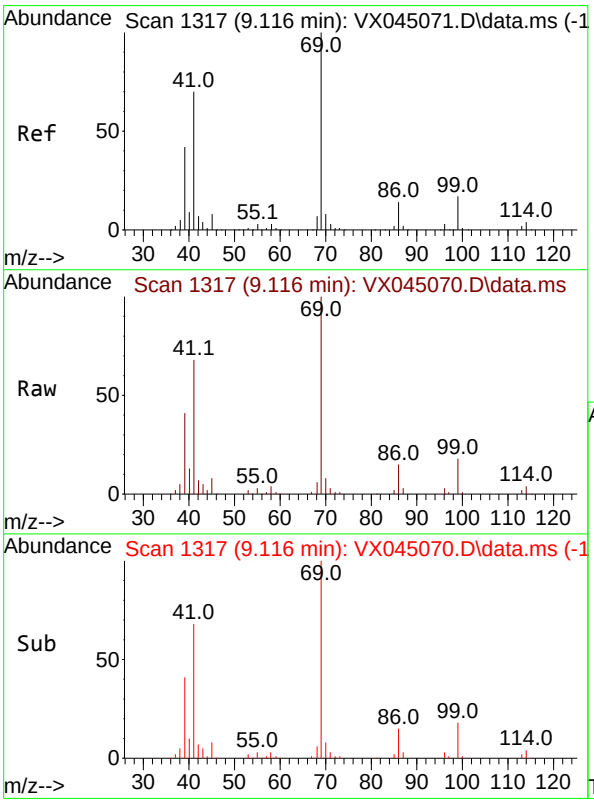
#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 26358

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1

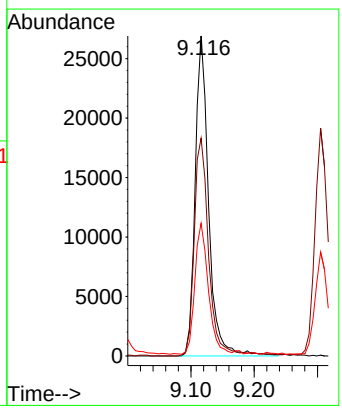


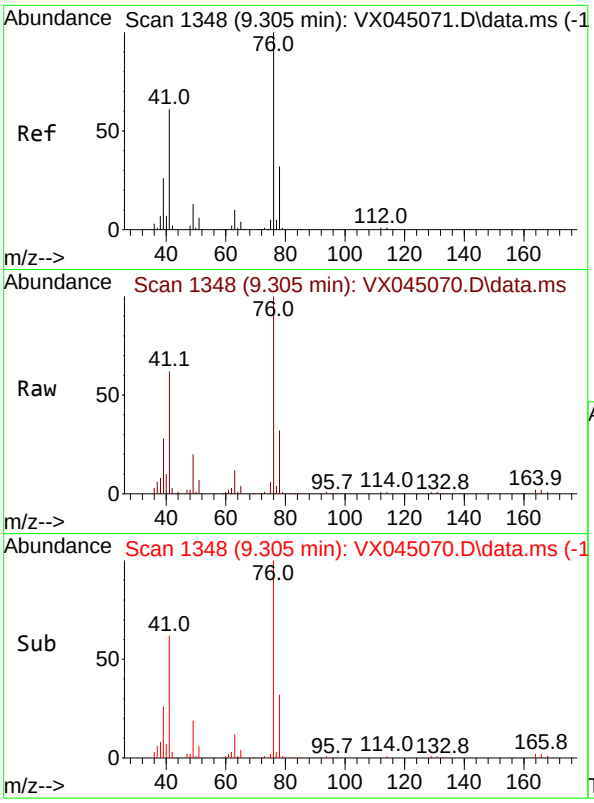


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4



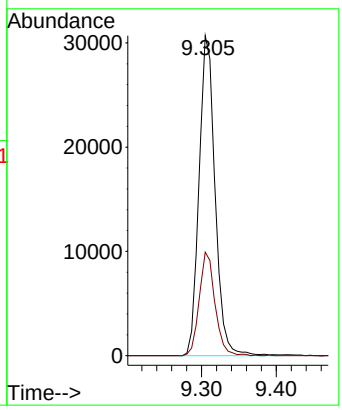


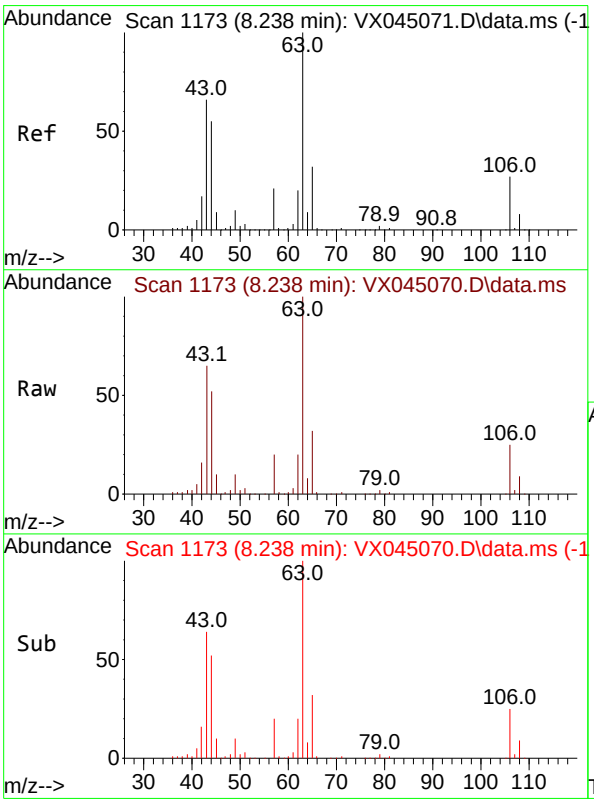
#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

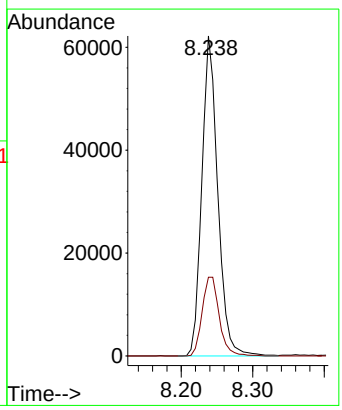


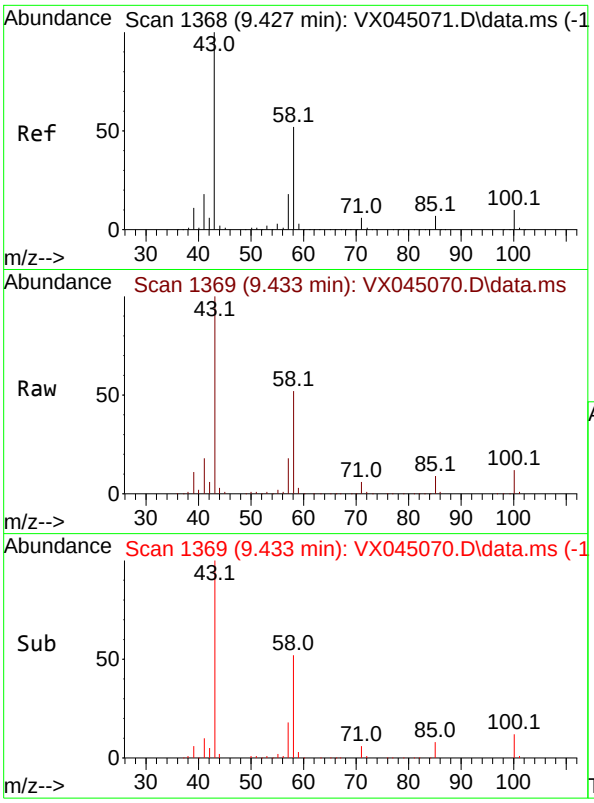


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



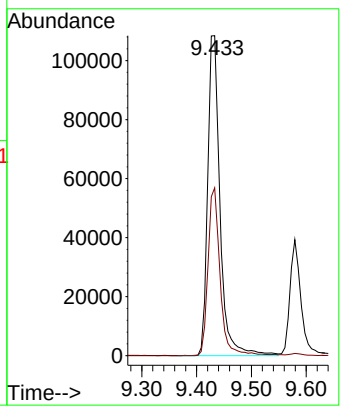


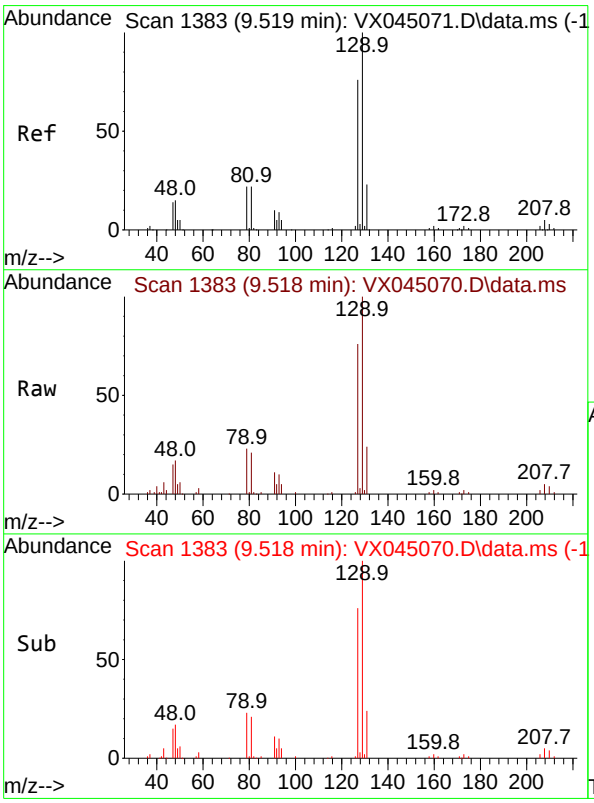
#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

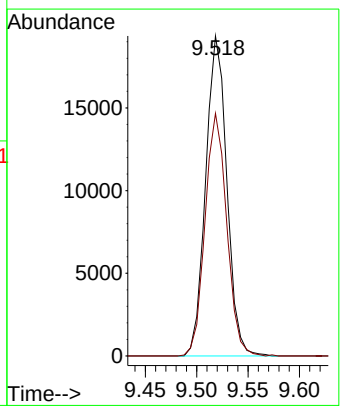


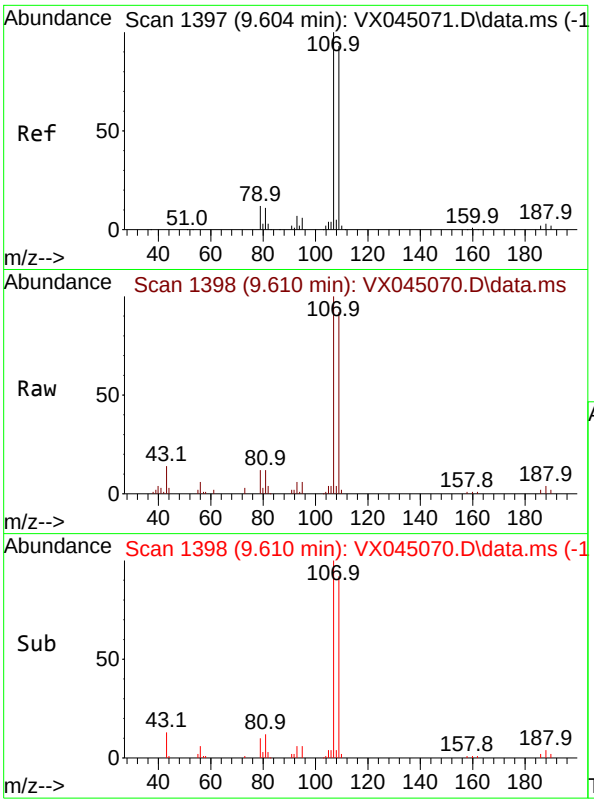


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



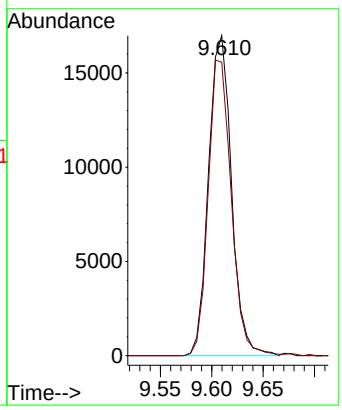


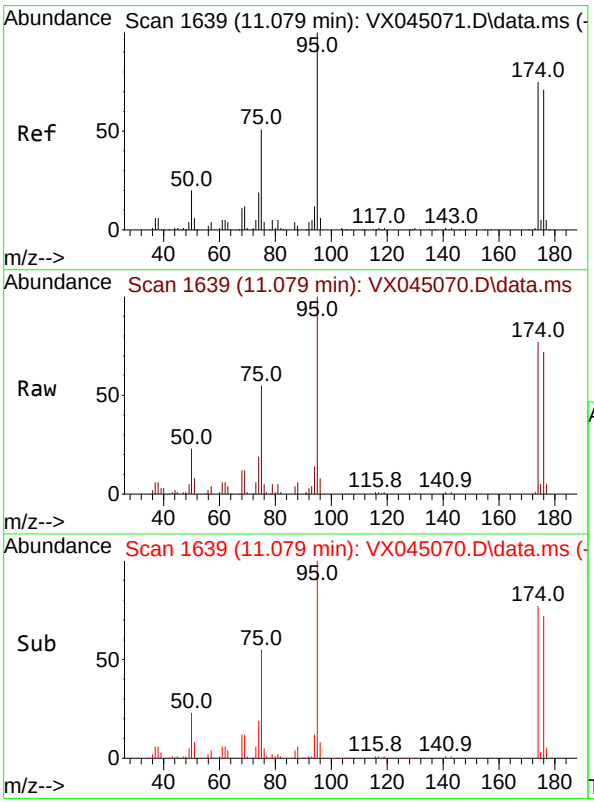
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26311

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

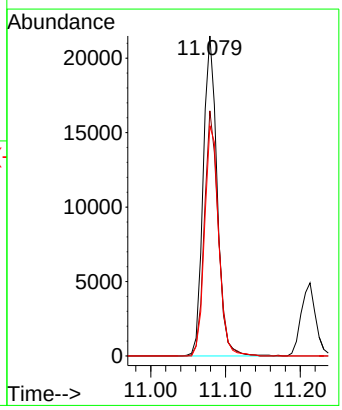


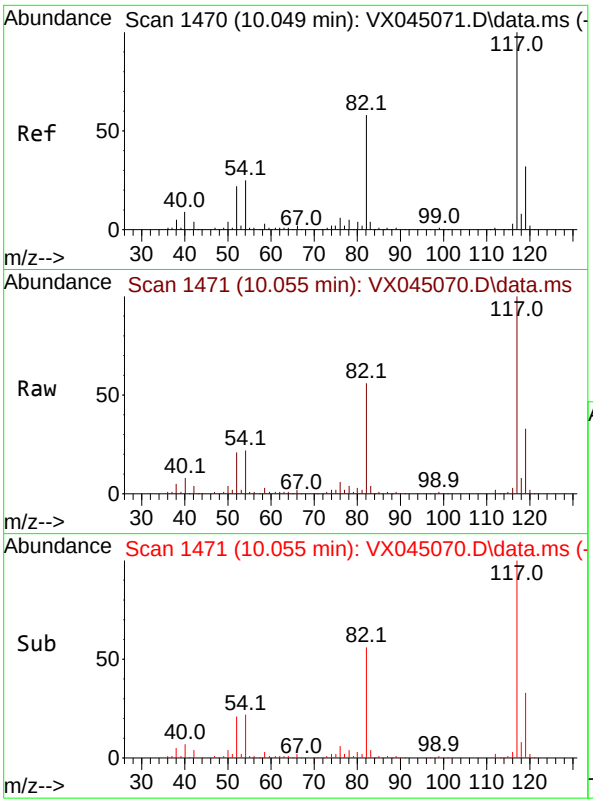


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4



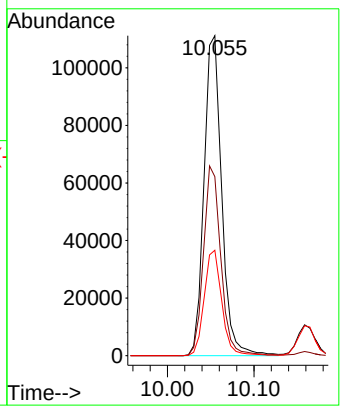


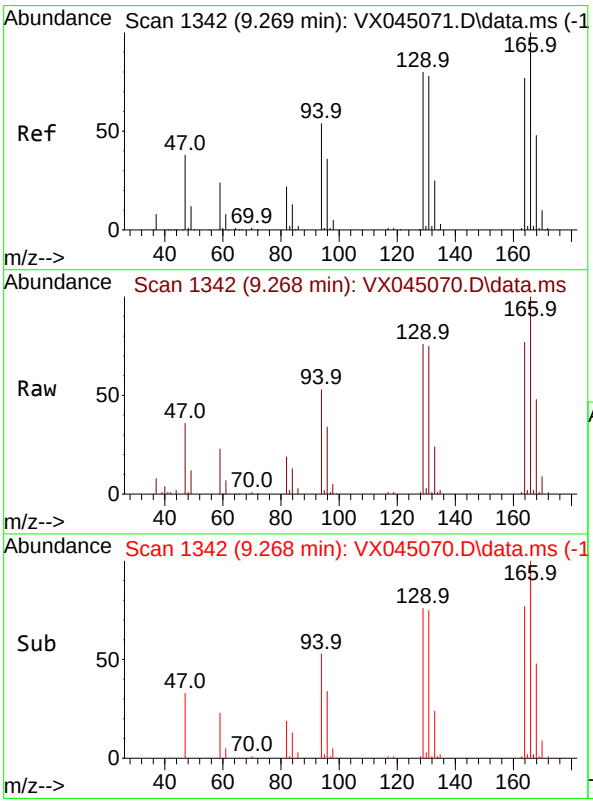
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 157714

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5

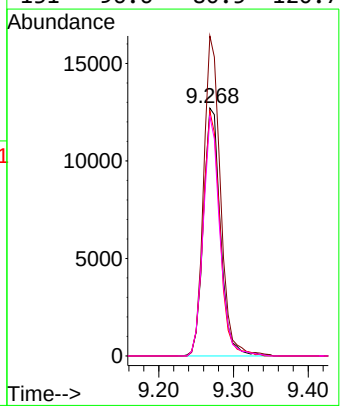


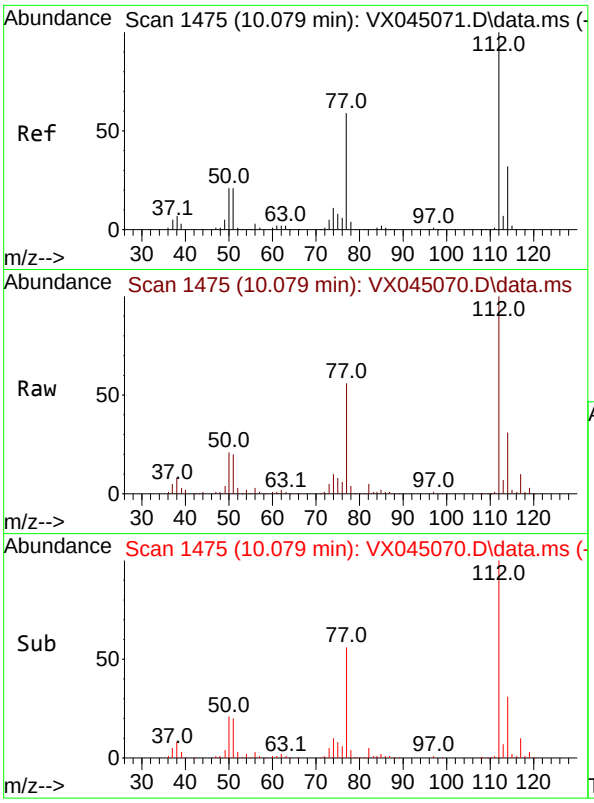


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7



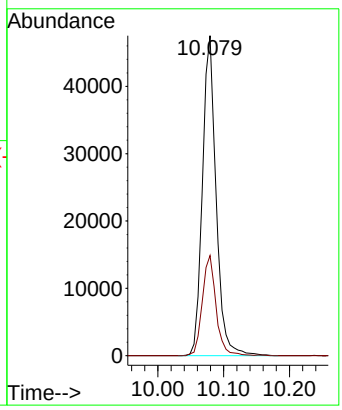


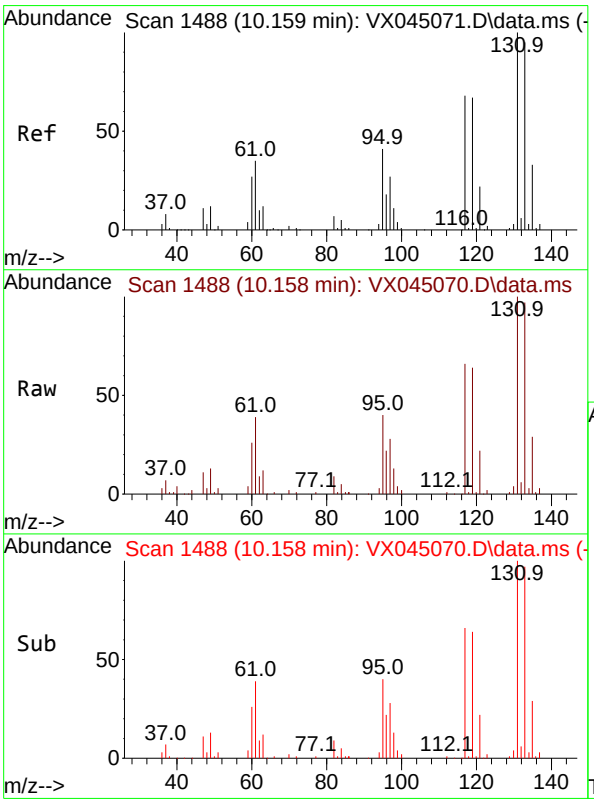
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 68777

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

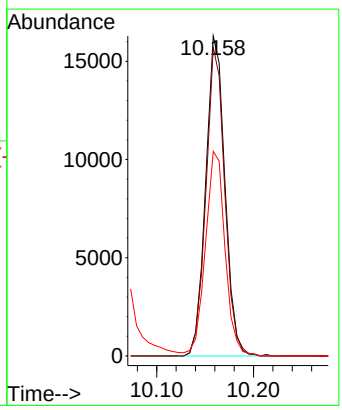


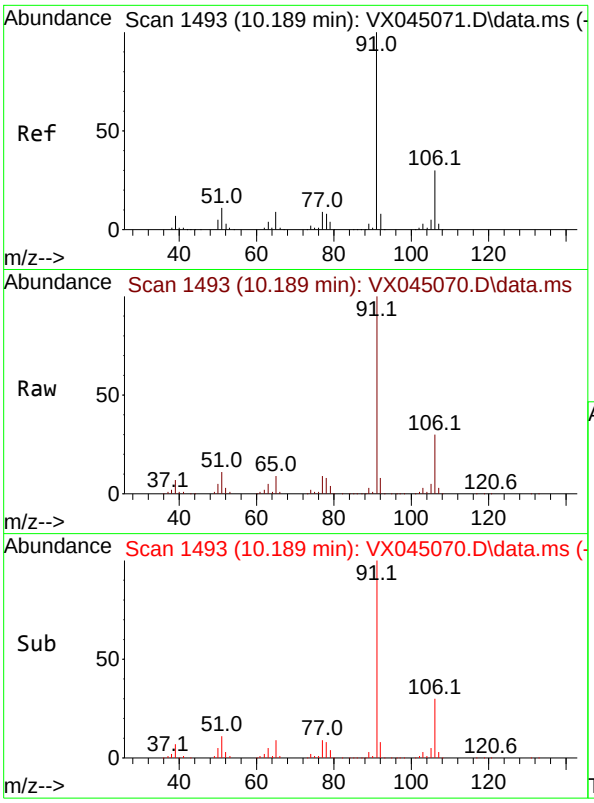


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7



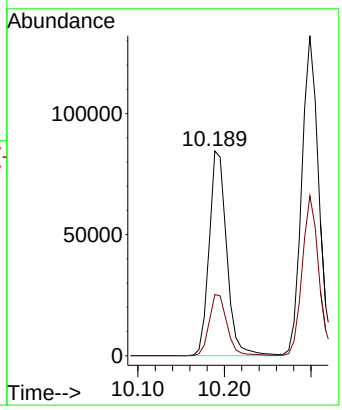


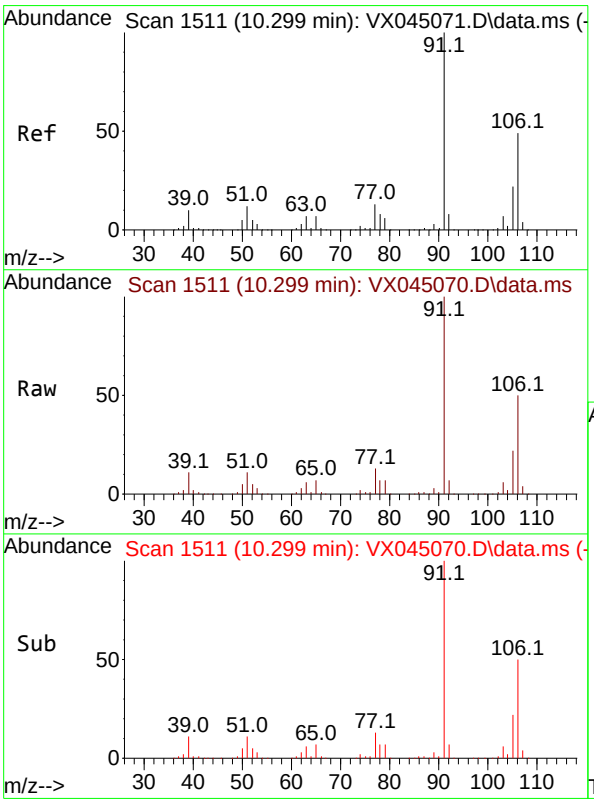
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 119165

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

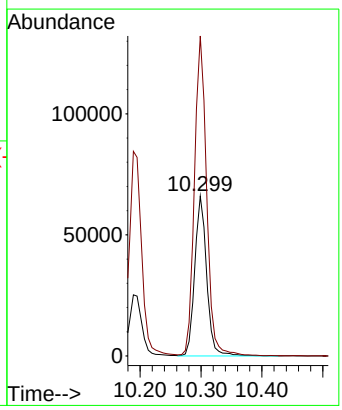


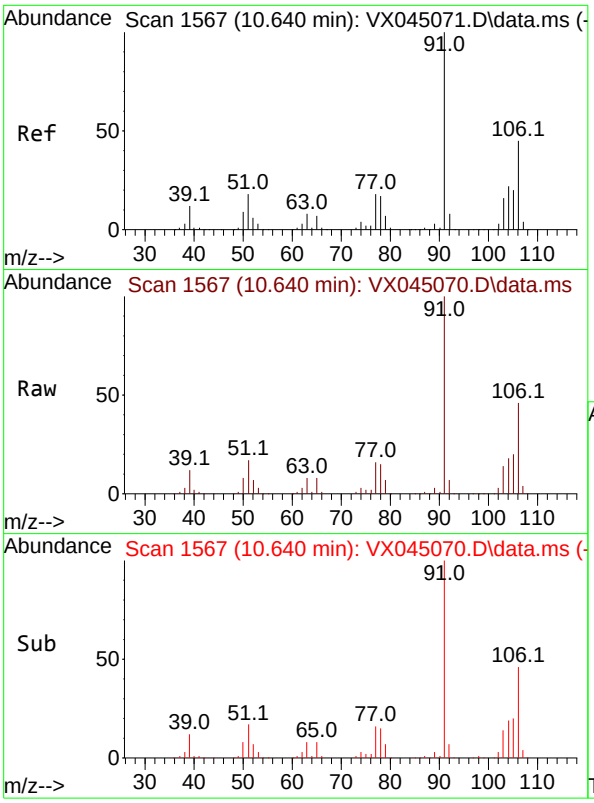


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0



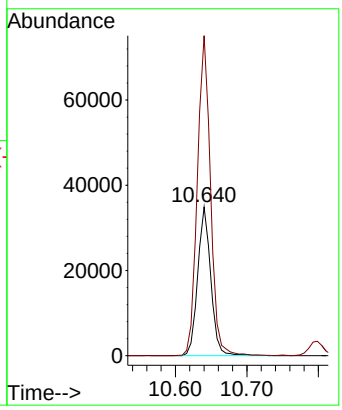


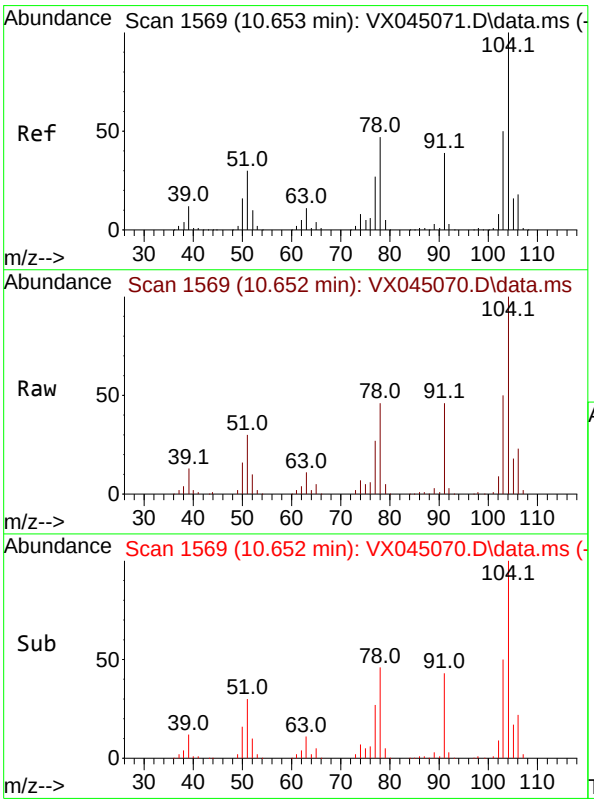
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 44281

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6

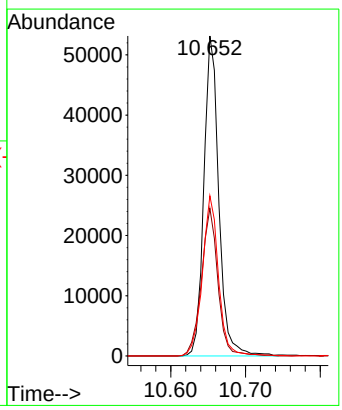


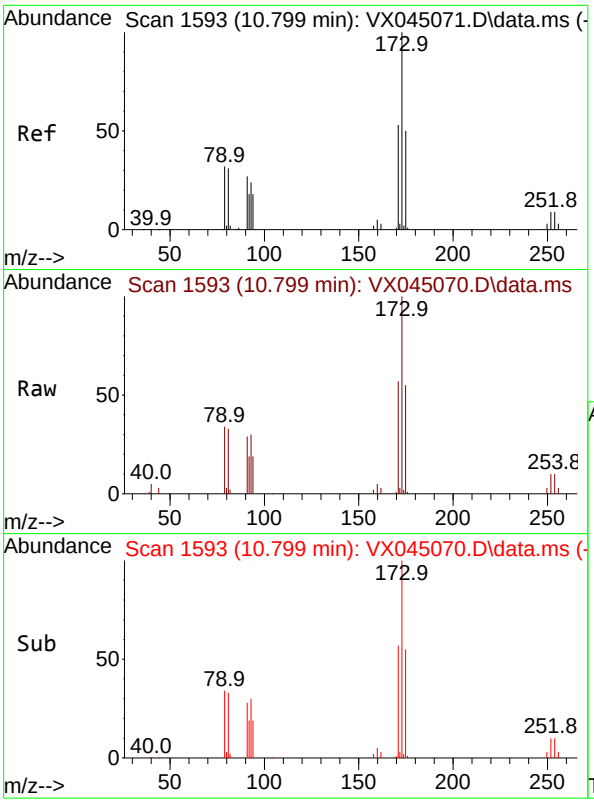


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8



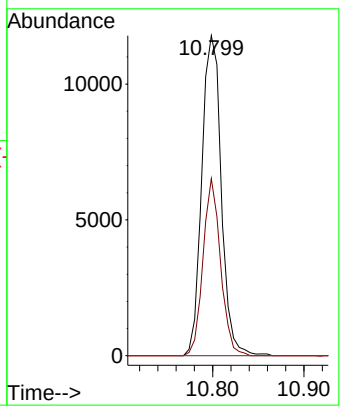


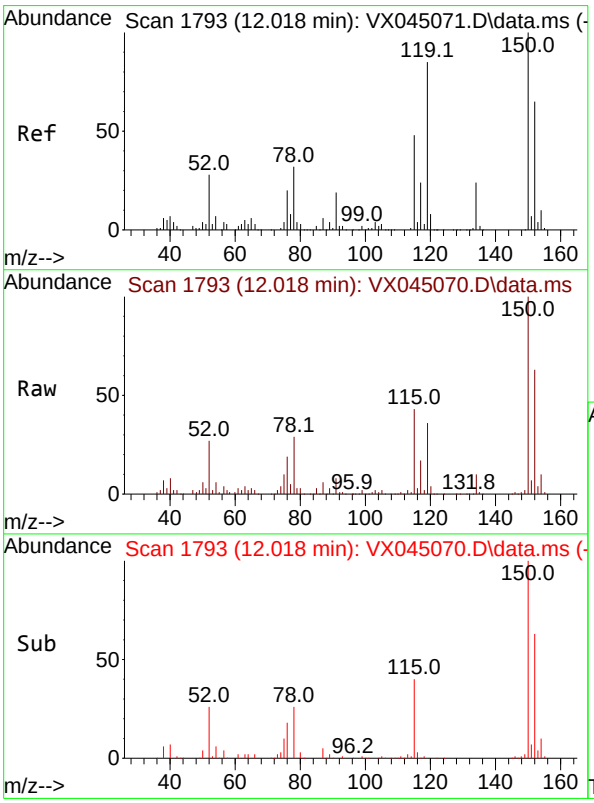
#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 17403

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0

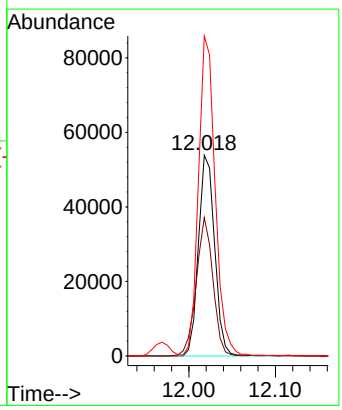


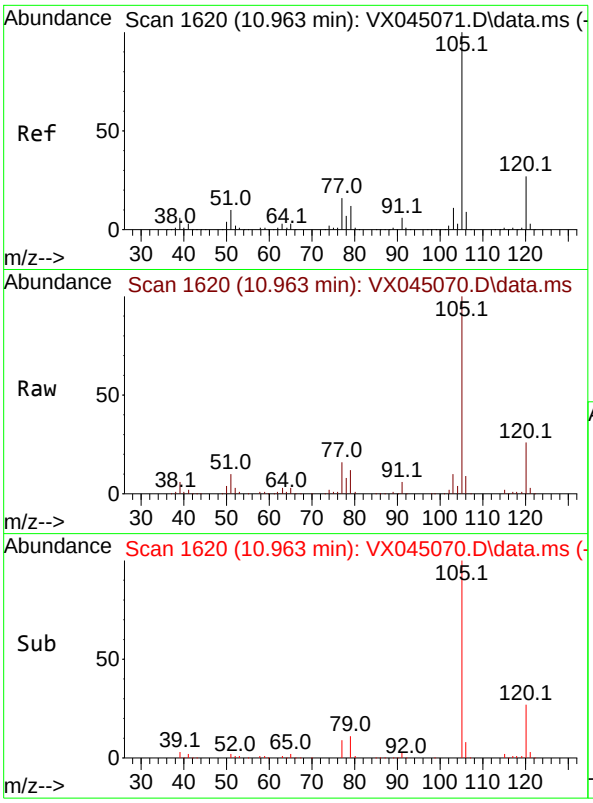


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0



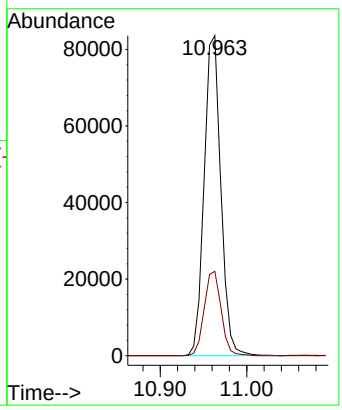


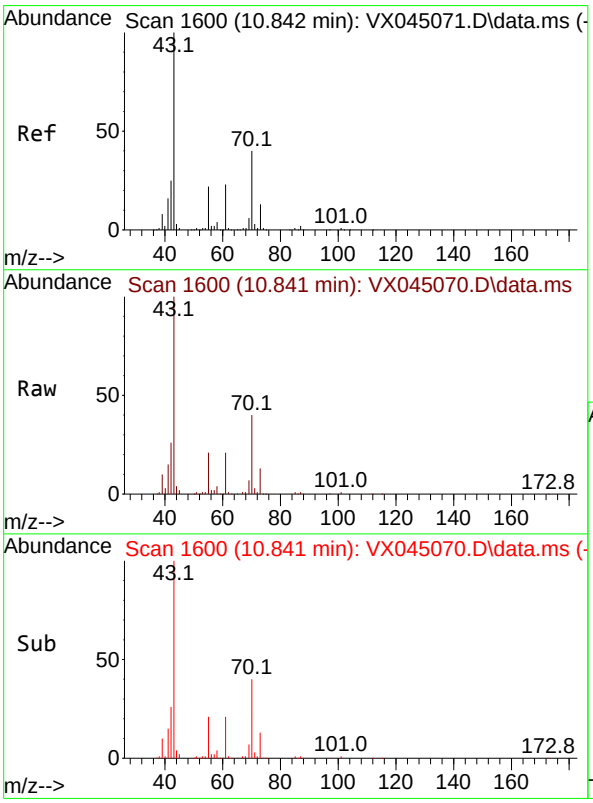
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112099

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

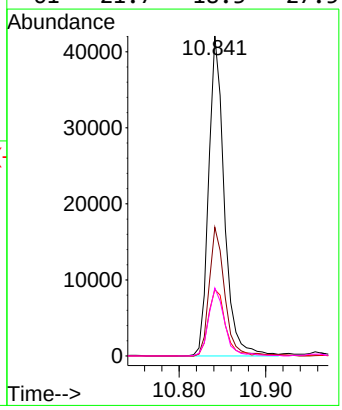


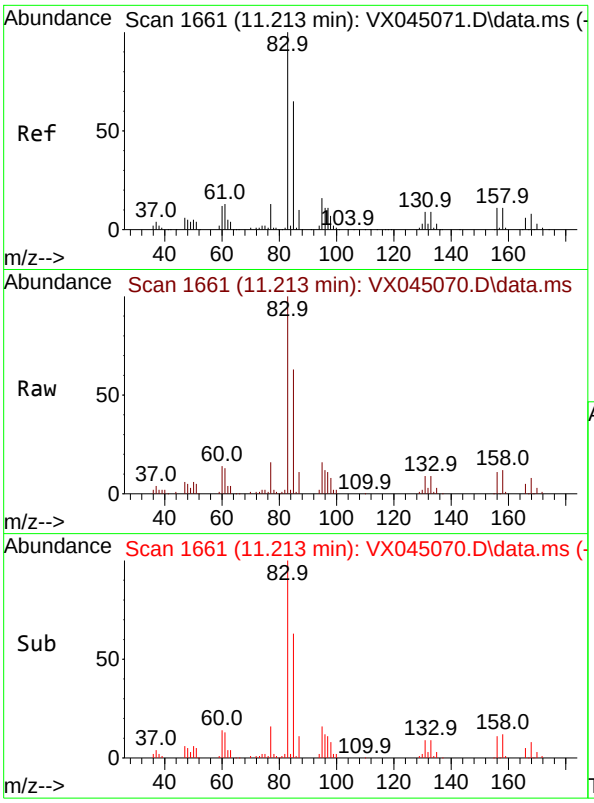


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5



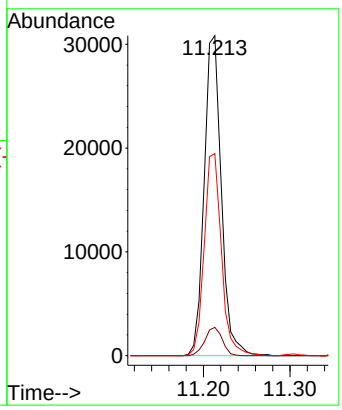


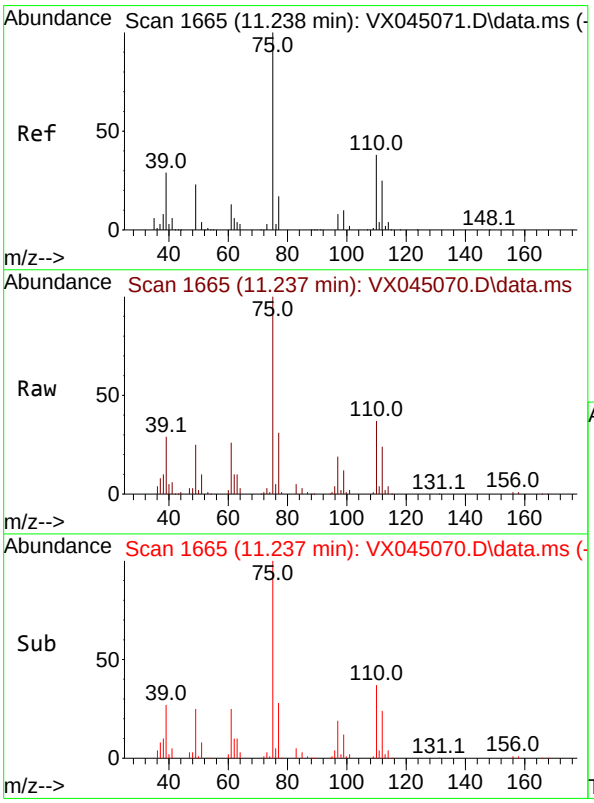
#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 42413

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1

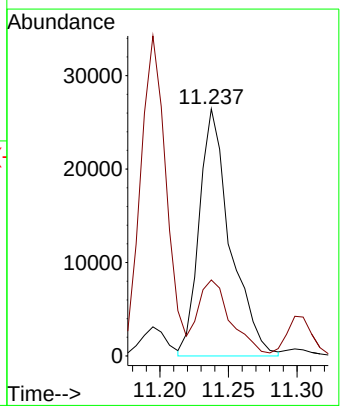


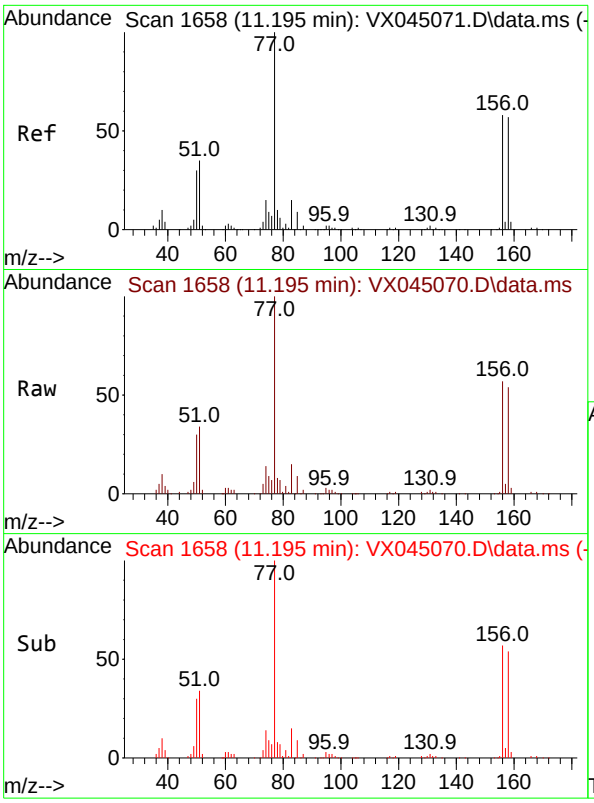


#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 41754

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



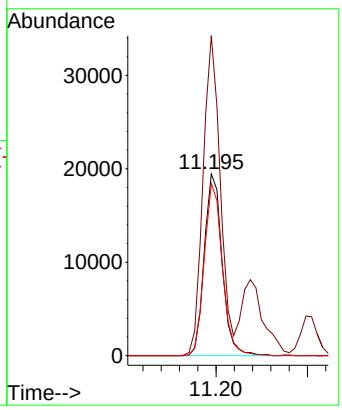


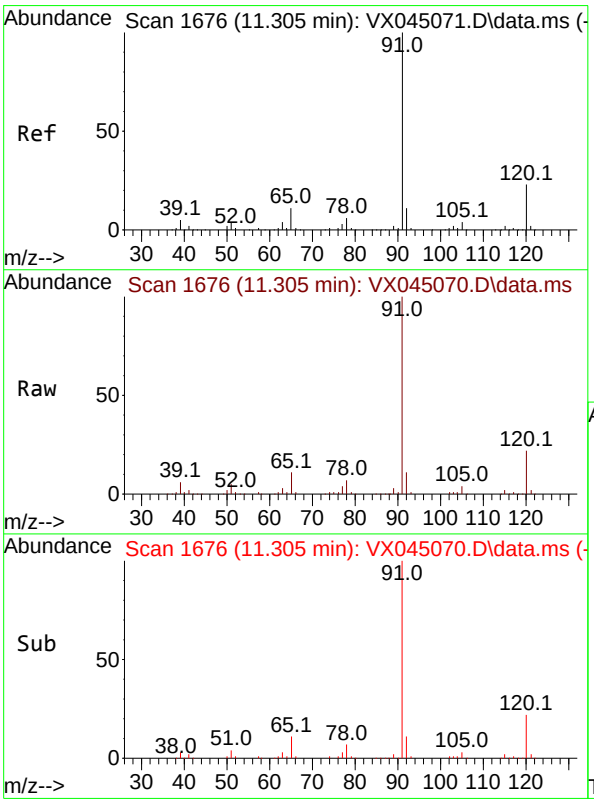
#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 26310

Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2

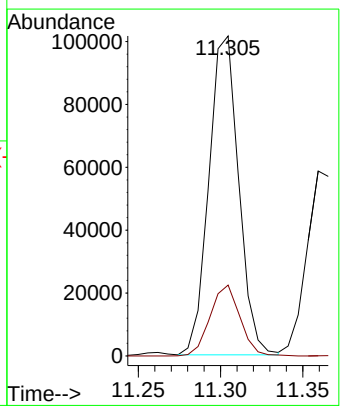


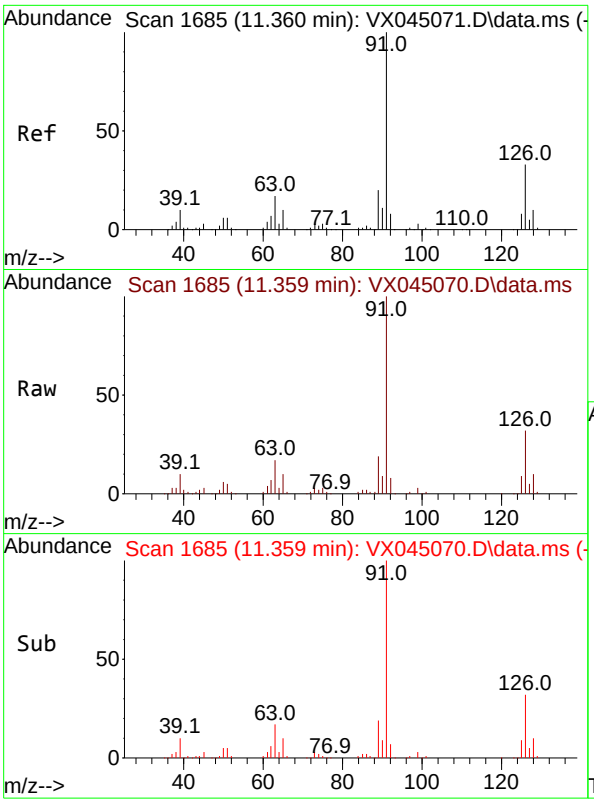


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



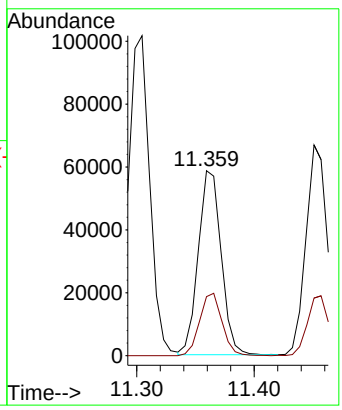


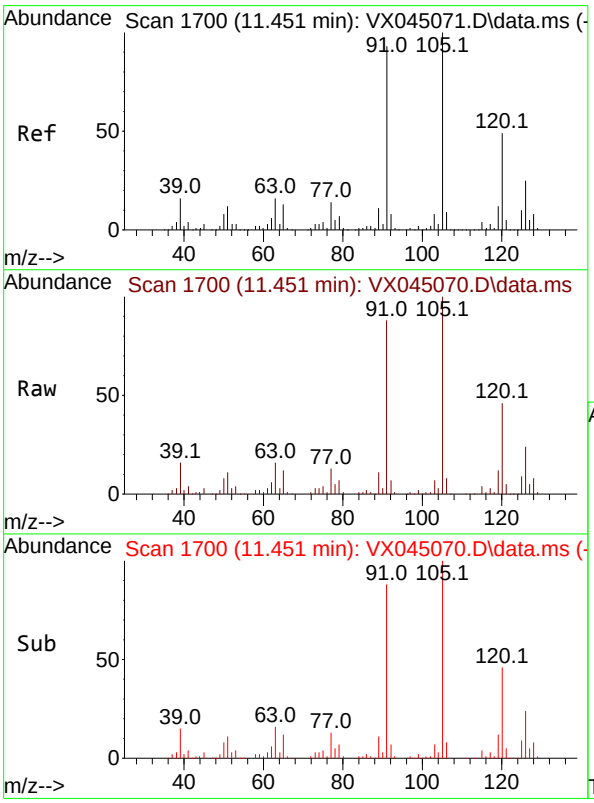
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

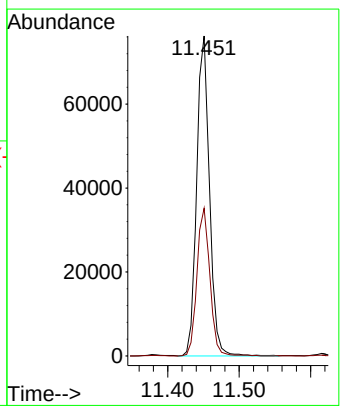


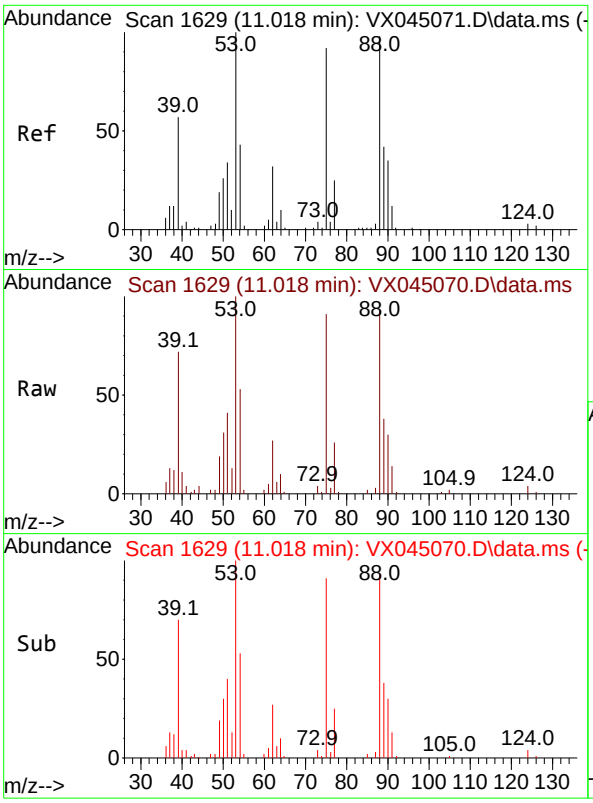


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



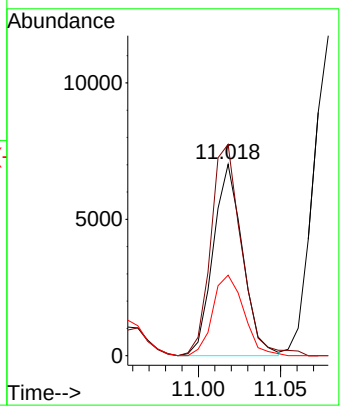


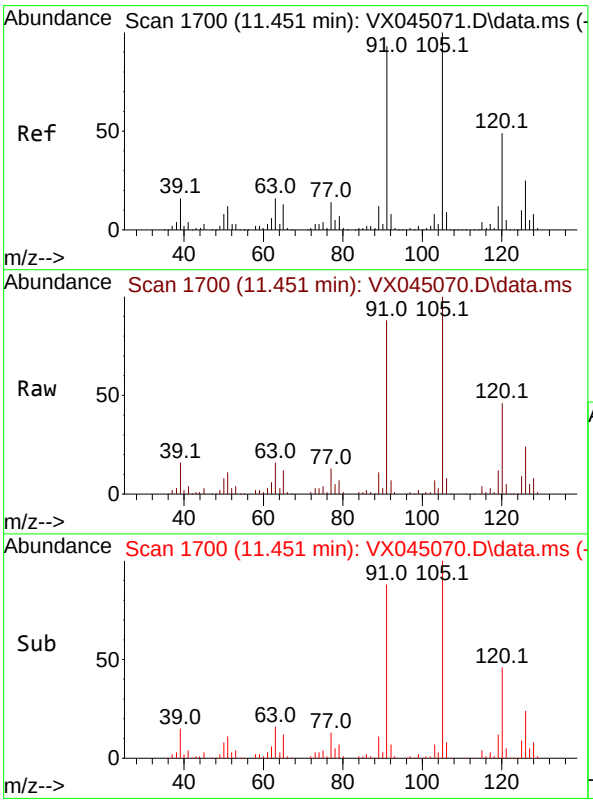
#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8759

Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

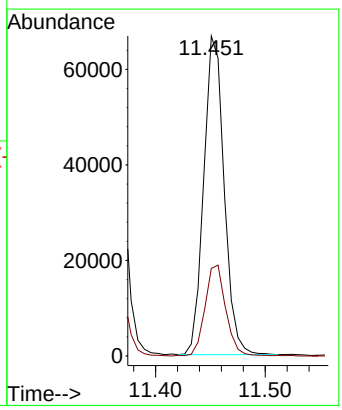


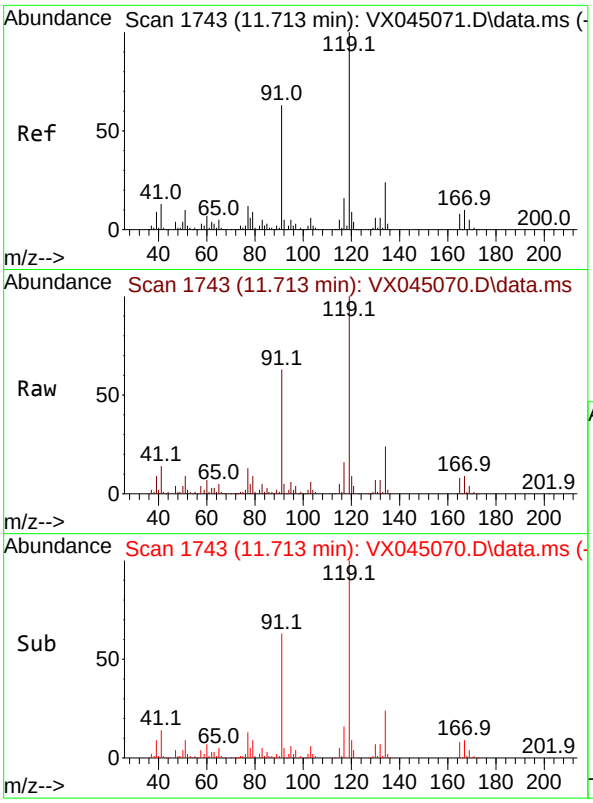


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



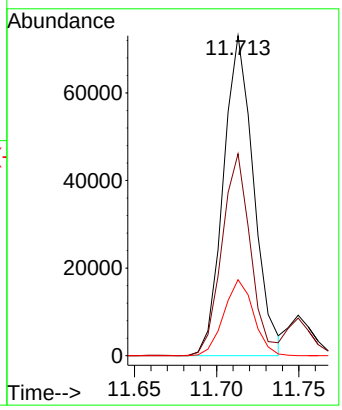


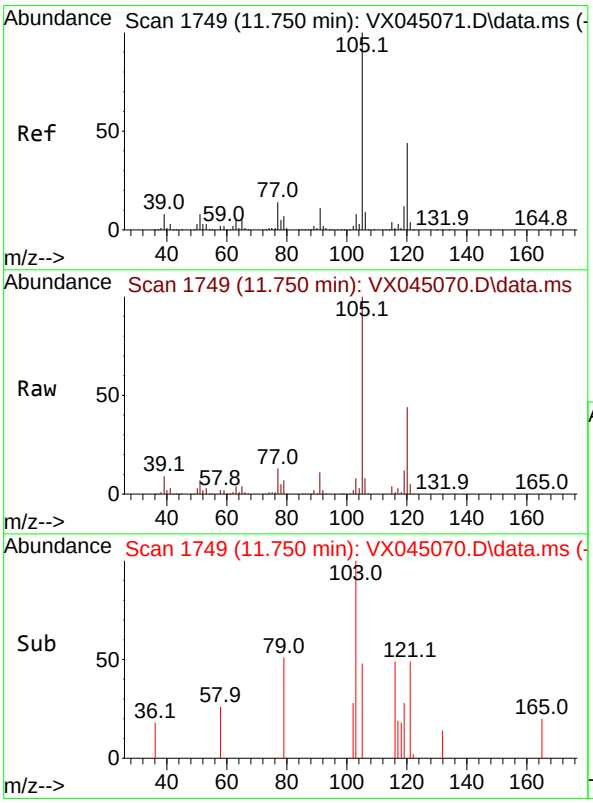
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 93670

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0

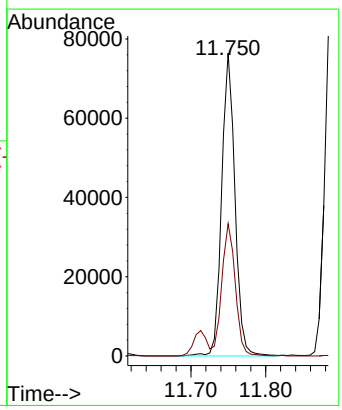


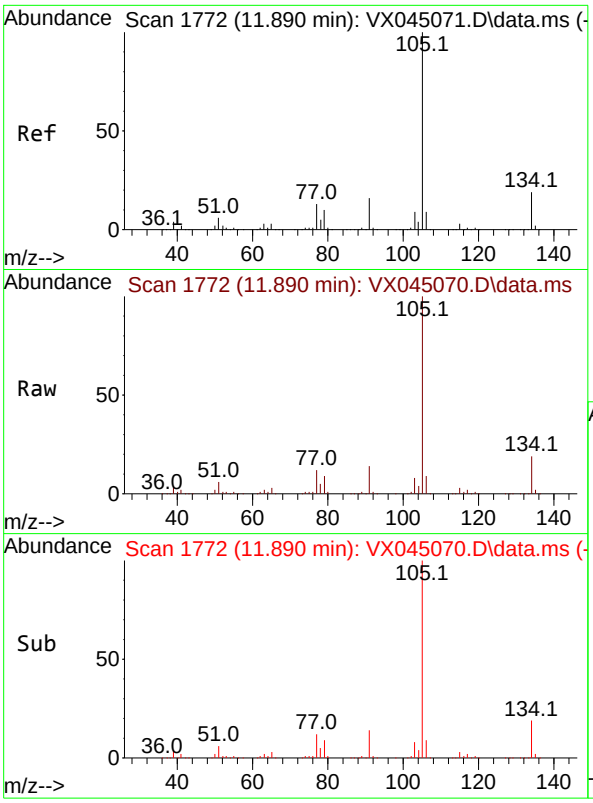


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



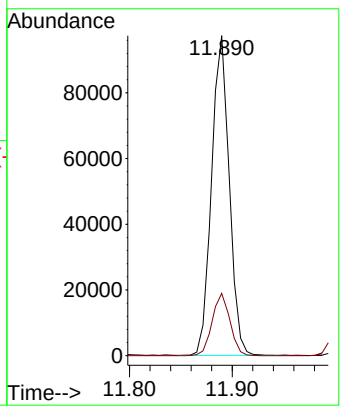


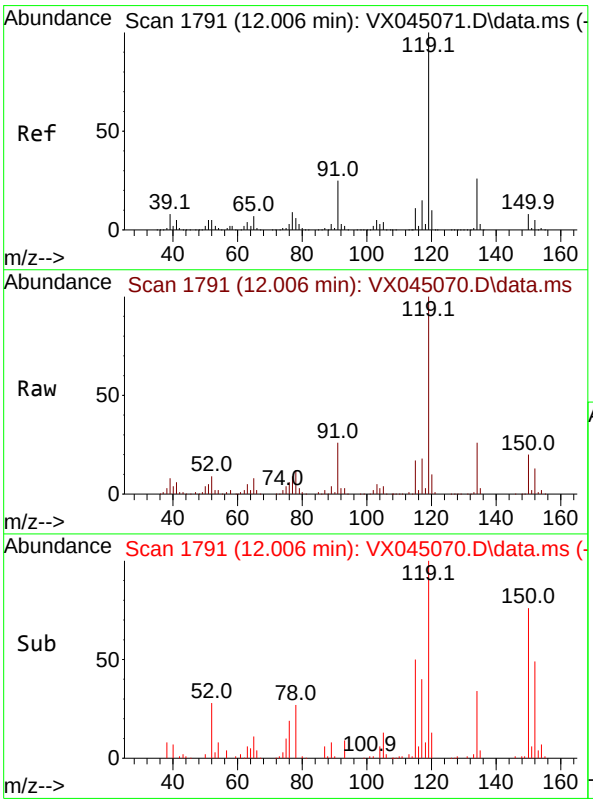
#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 115953

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

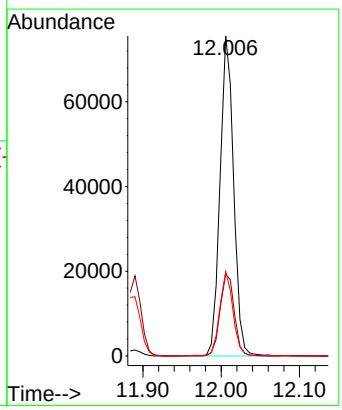


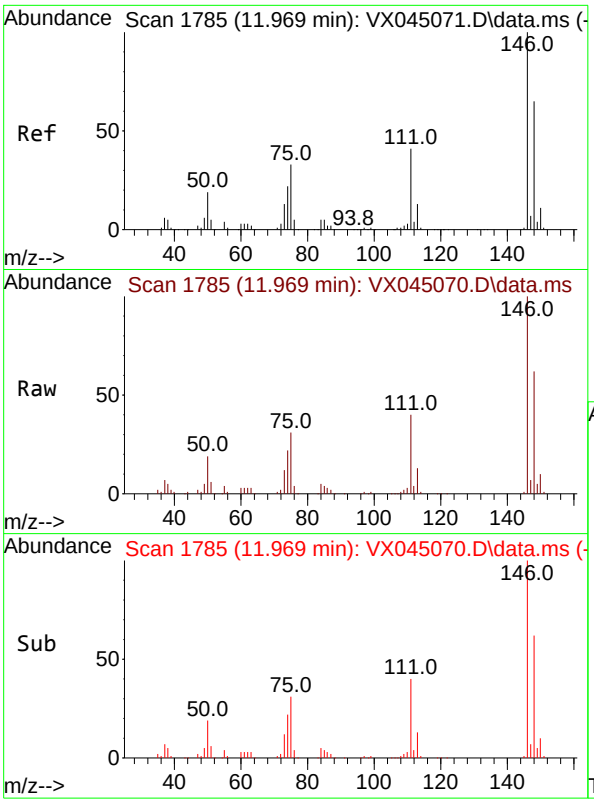


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0



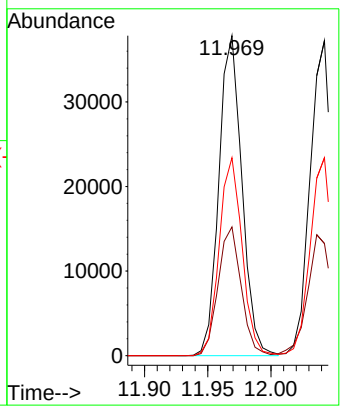


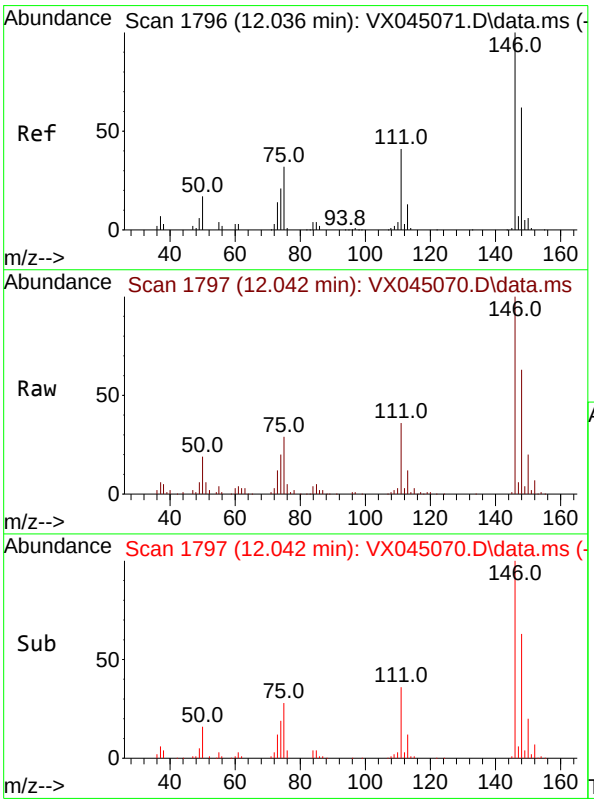
#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 47934

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7

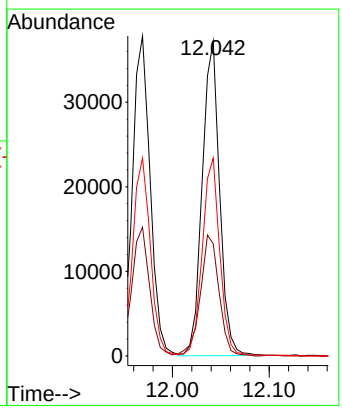


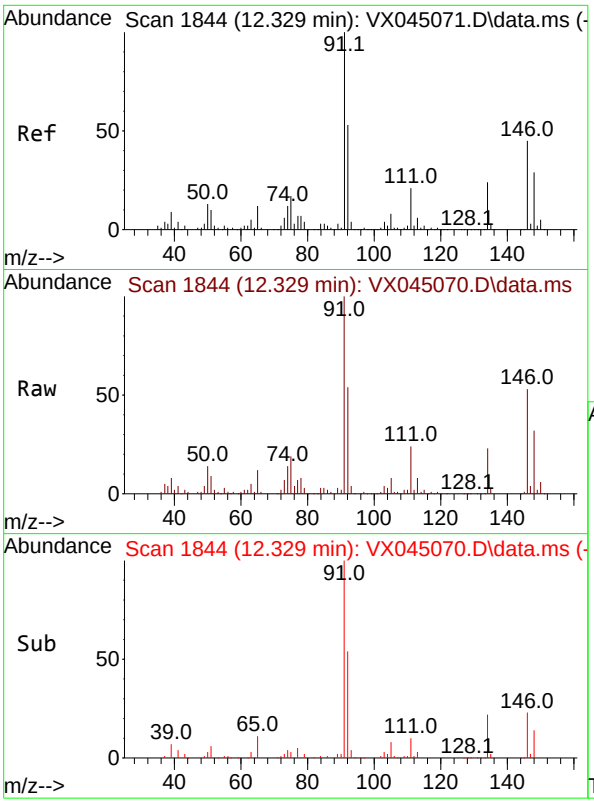


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9



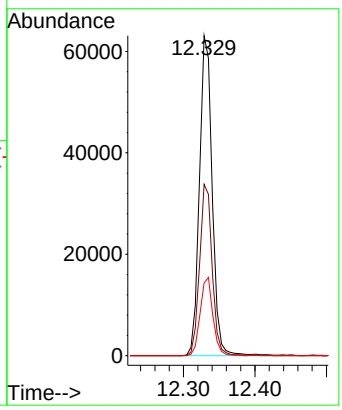


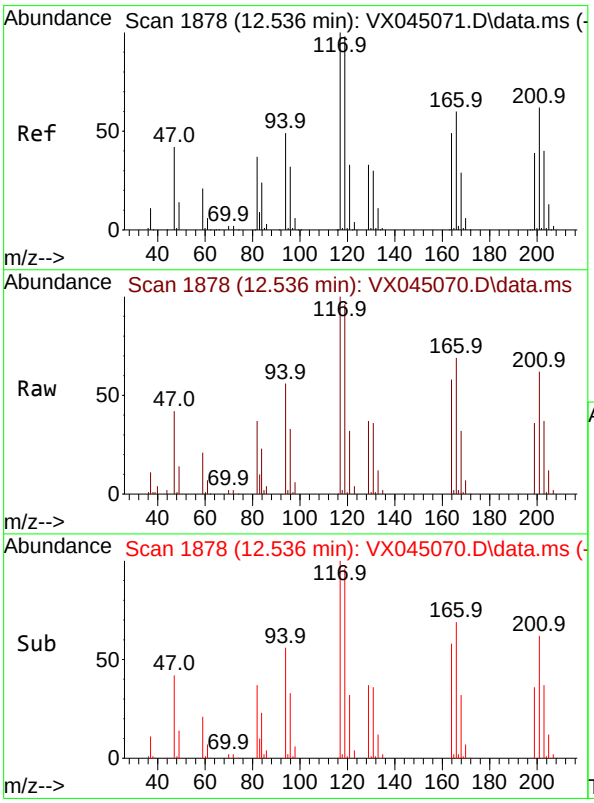
#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 78135

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6

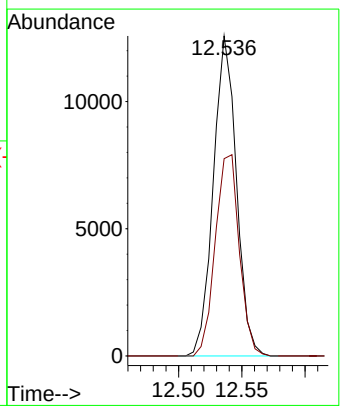


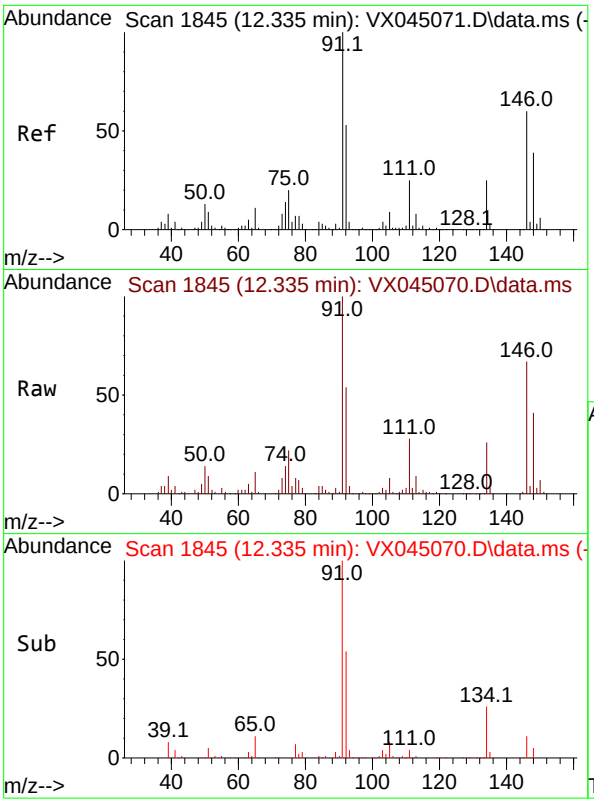


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



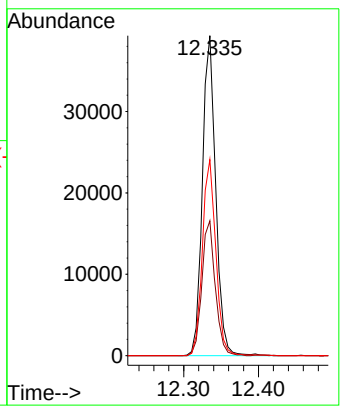


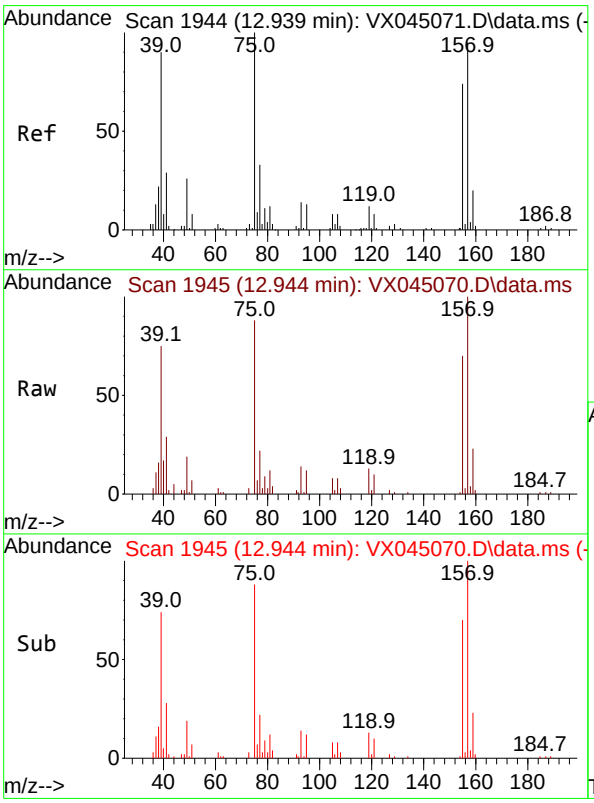
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 48632

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9

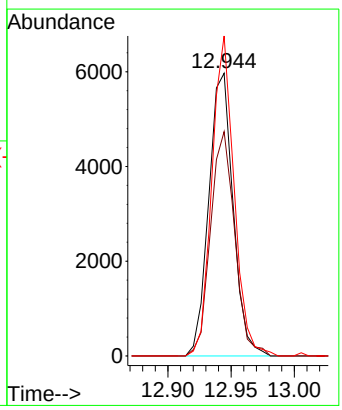


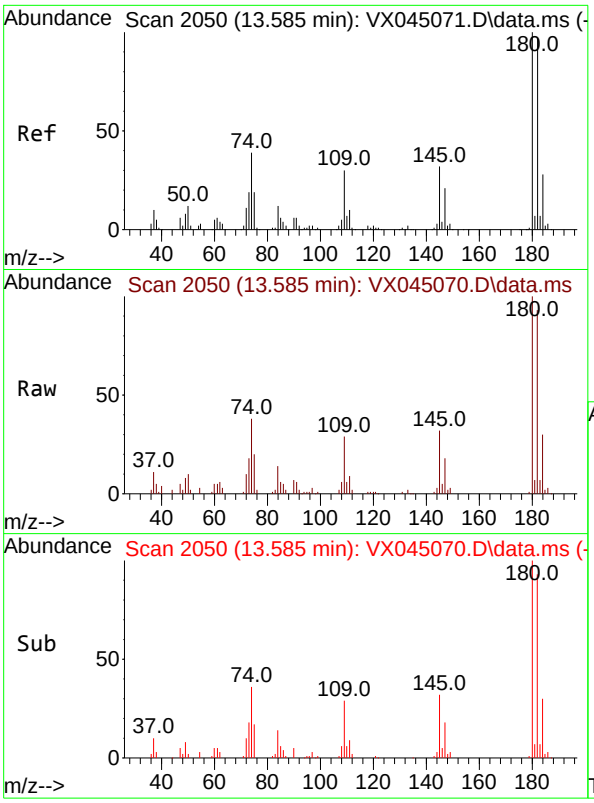


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4



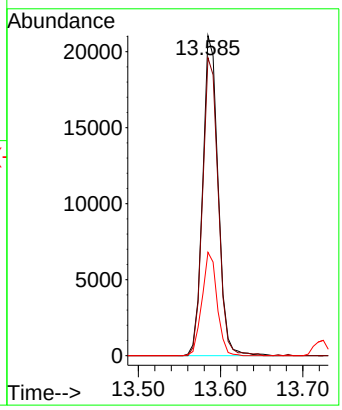


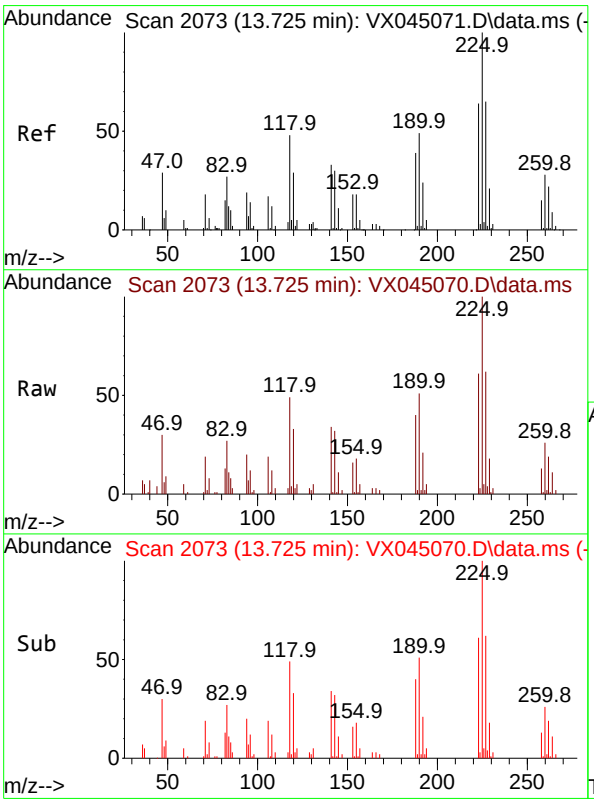
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 27424

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9

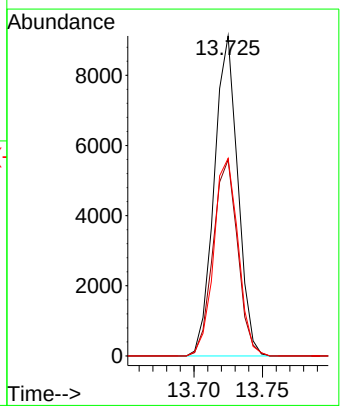


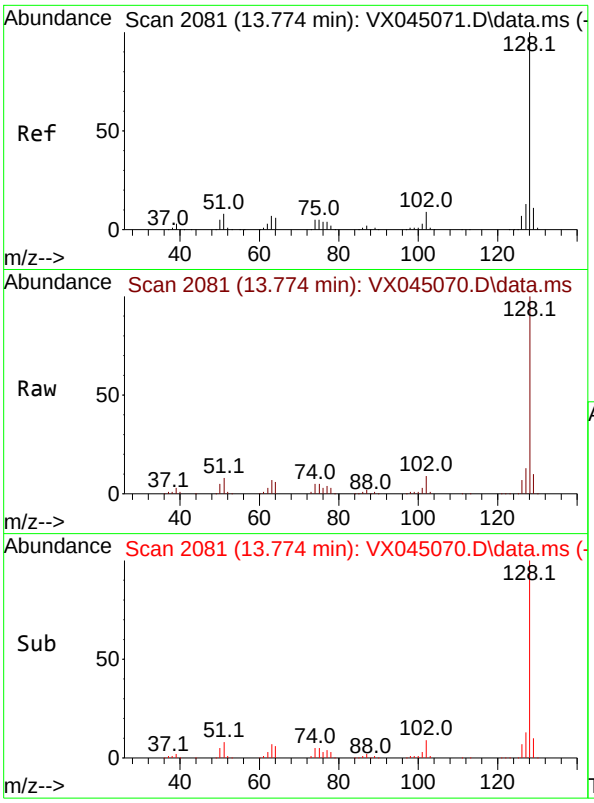


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0



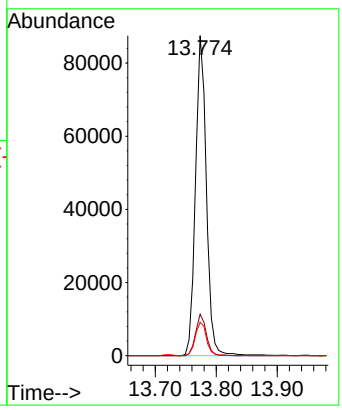


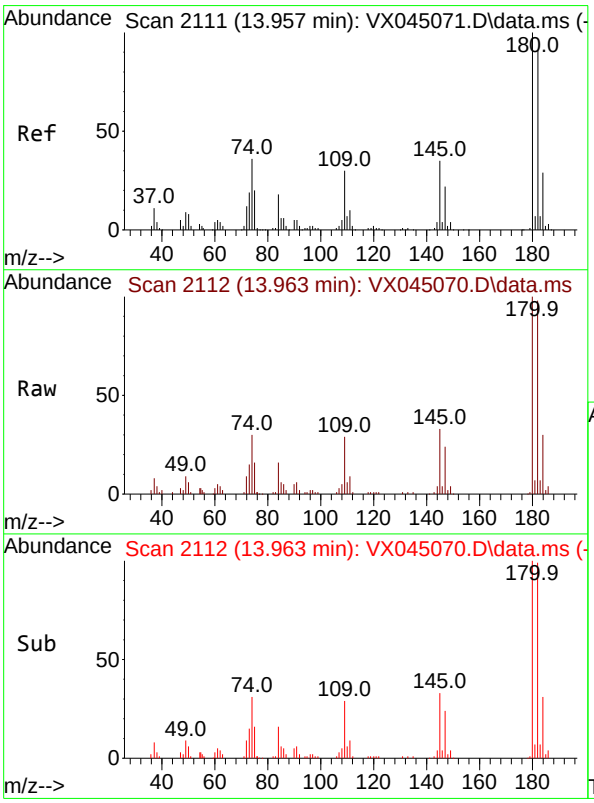
#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 108350

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

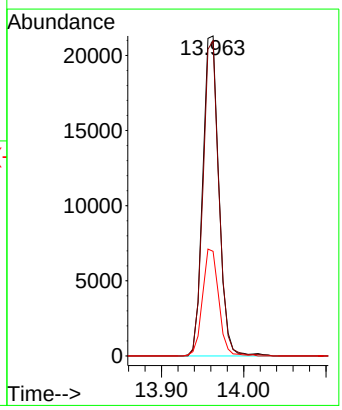




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	103161	64.894	ug/l		86
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

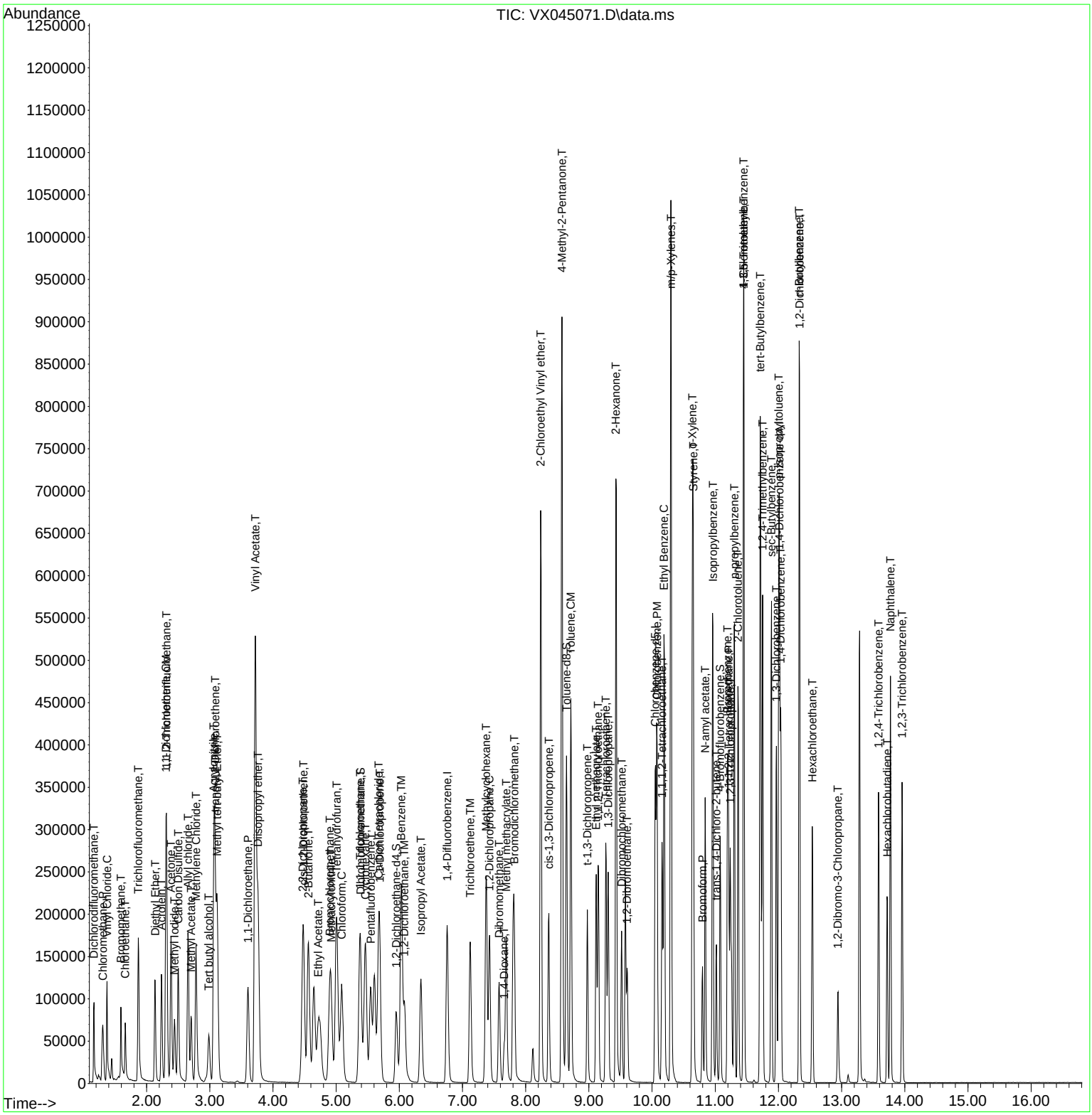
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

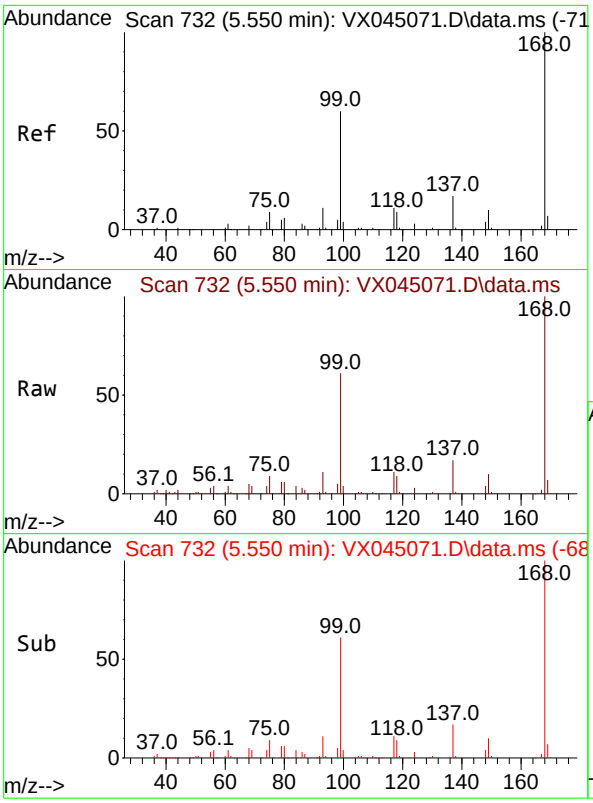
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



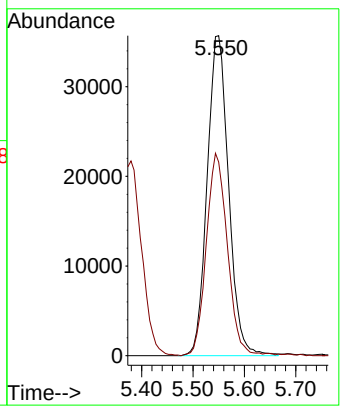


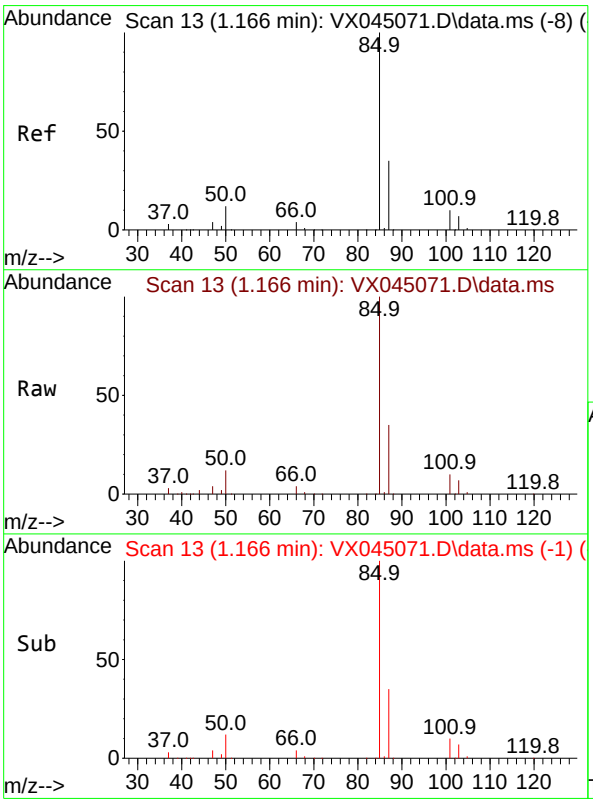
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

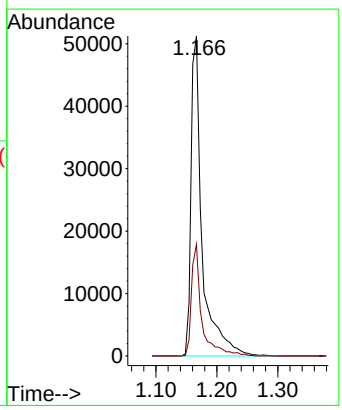


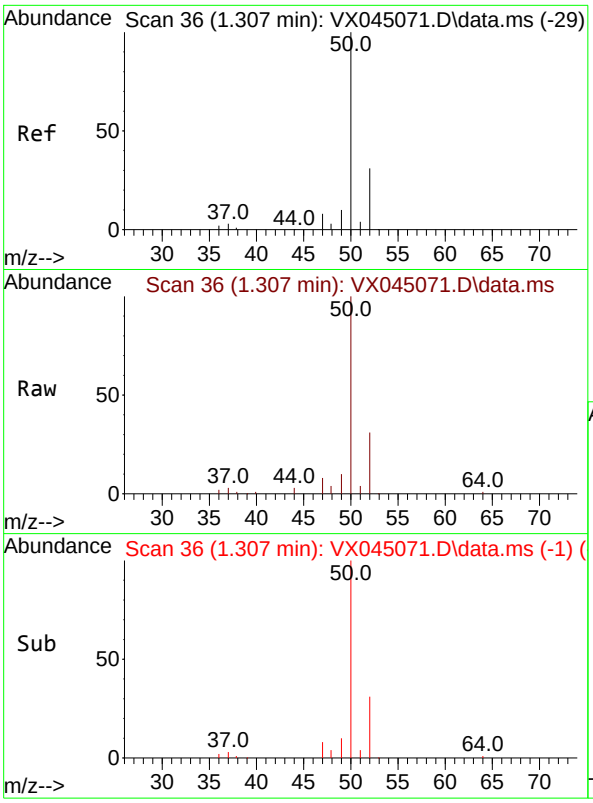


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3



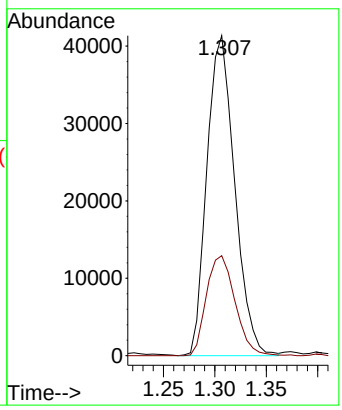


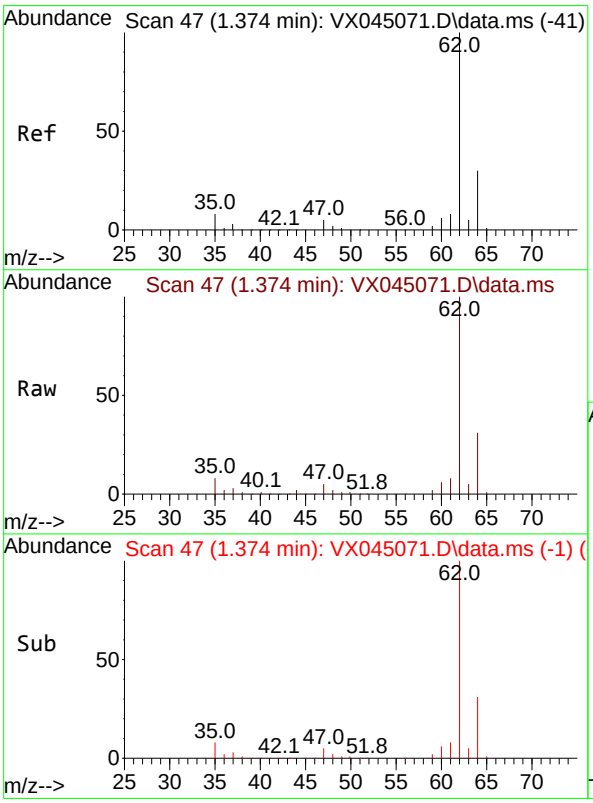
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

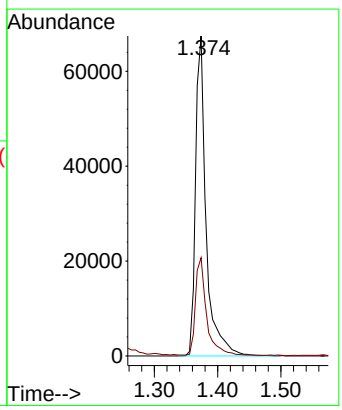


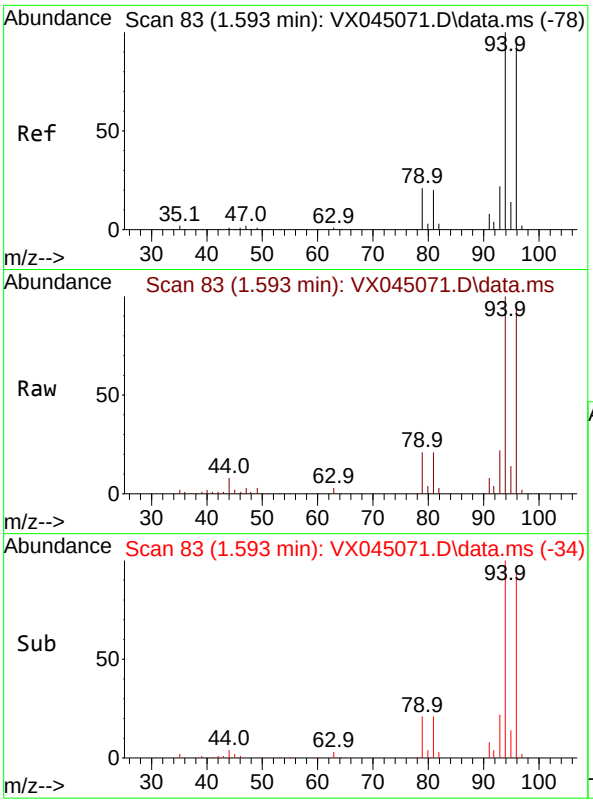


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



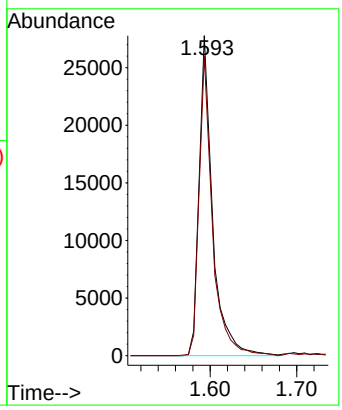


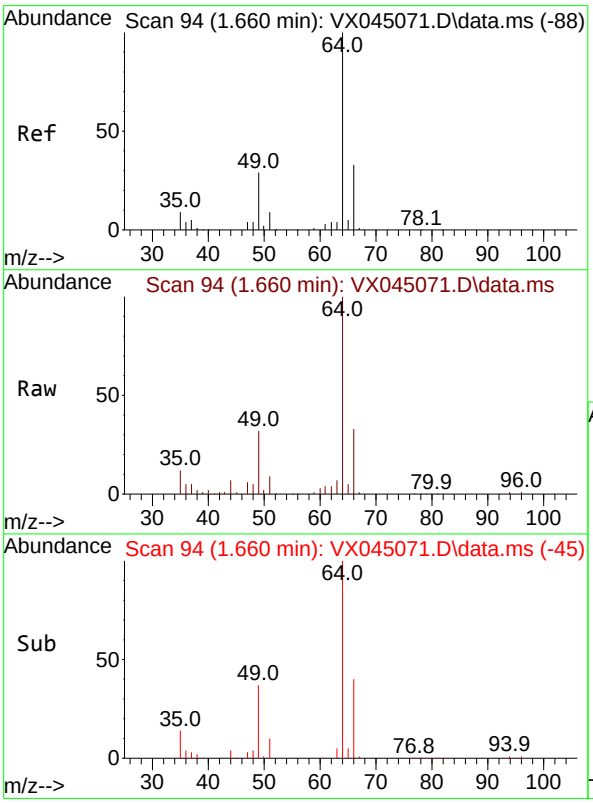
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4

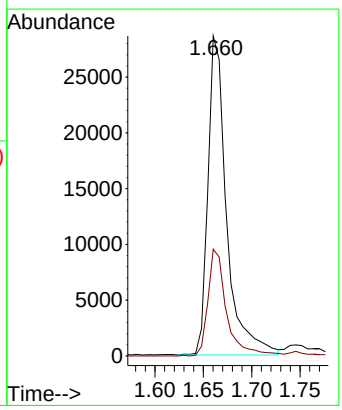


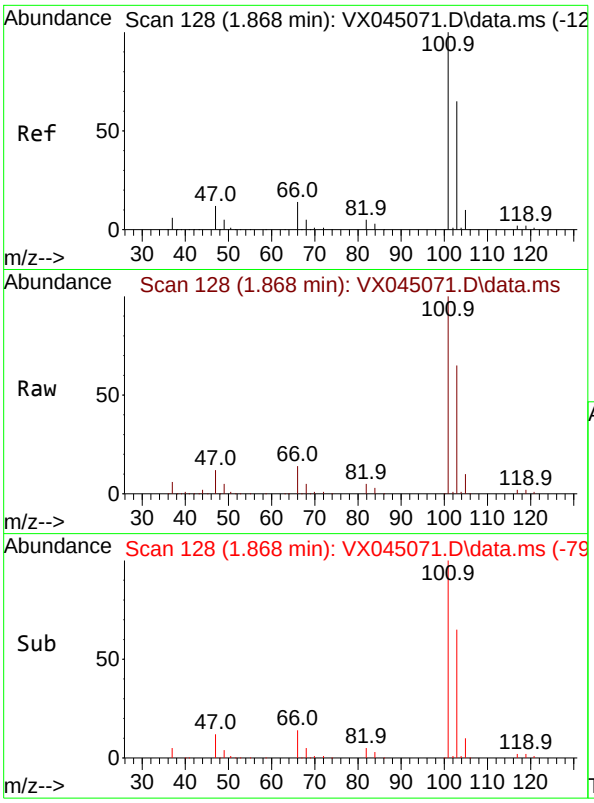


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1



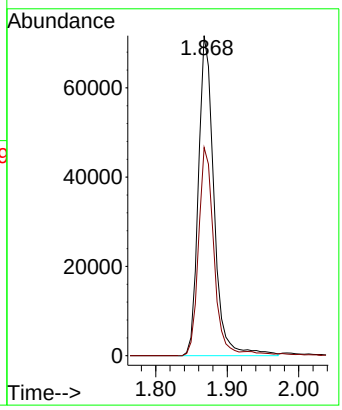


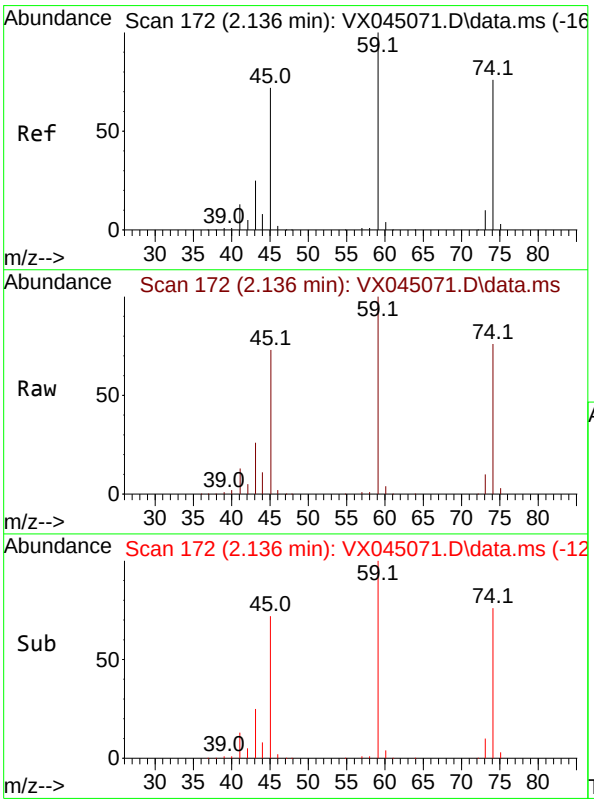
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108411

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

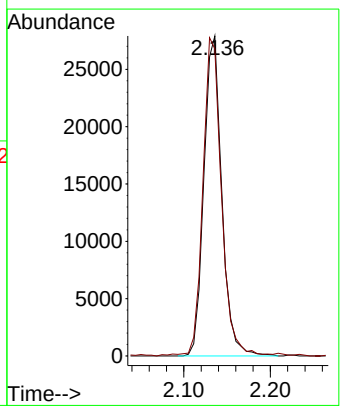


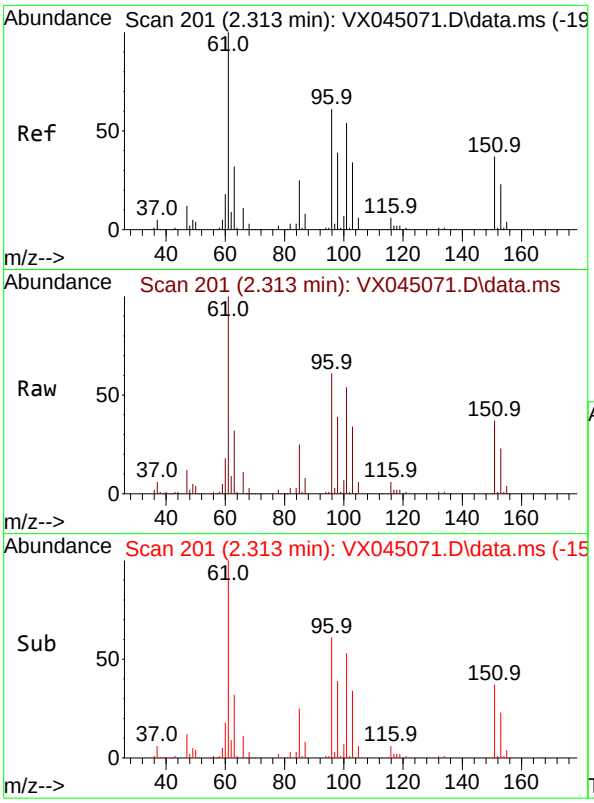


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5



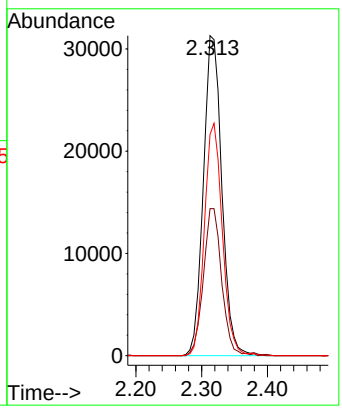


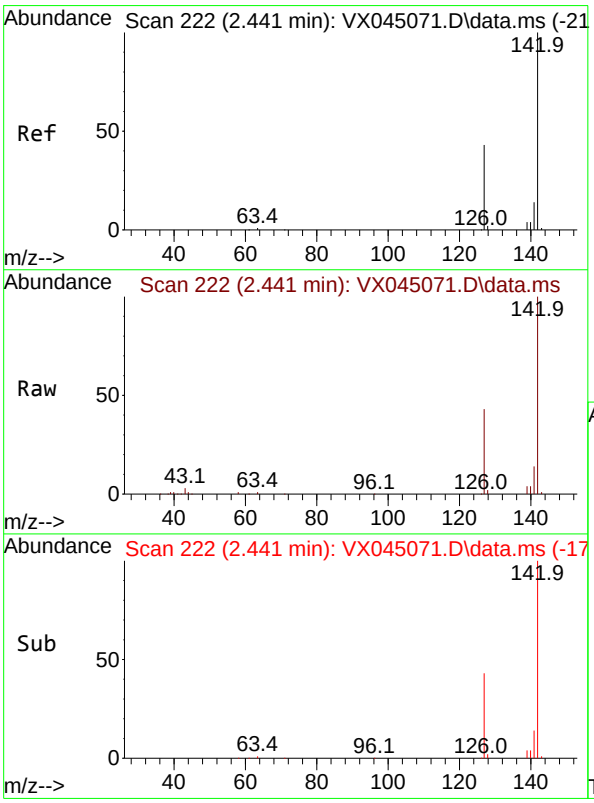
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 61312

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

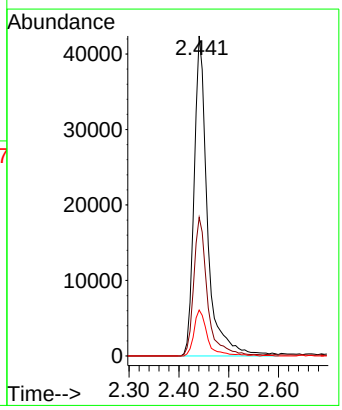


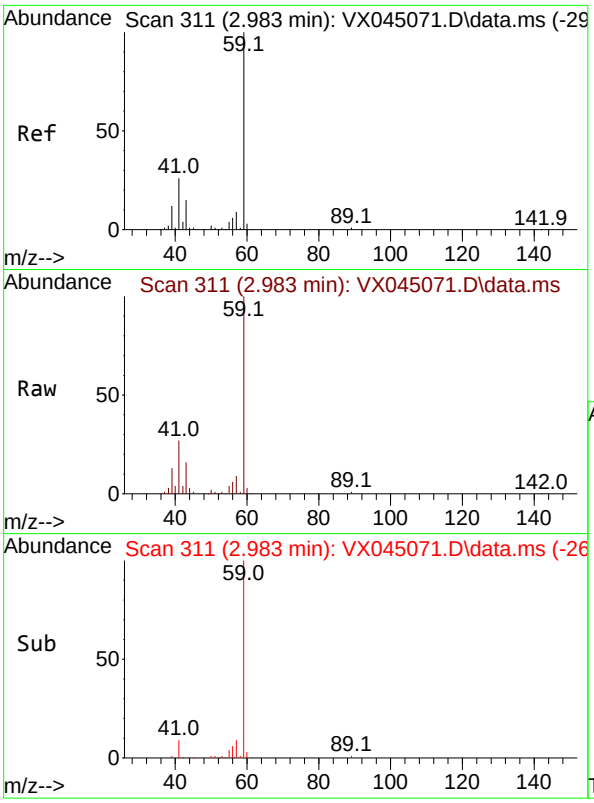


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4



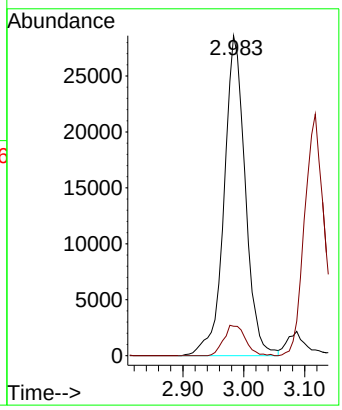


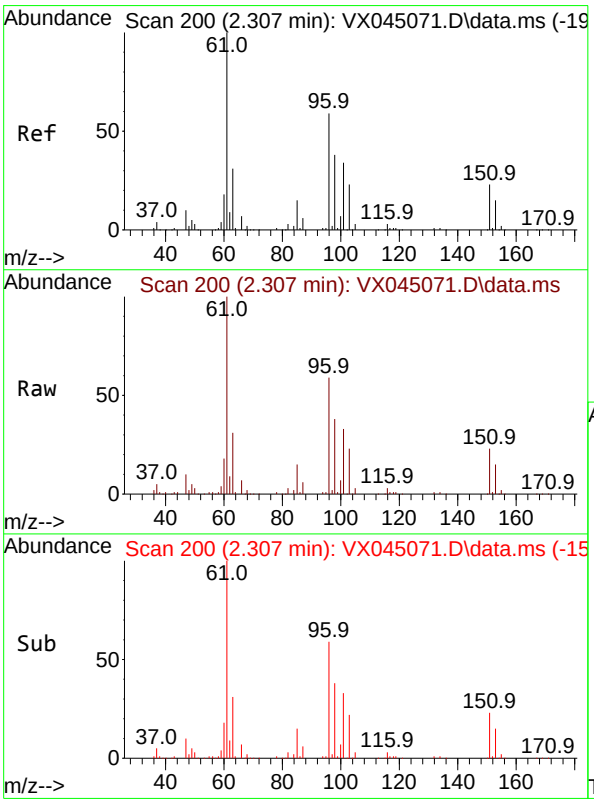
#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

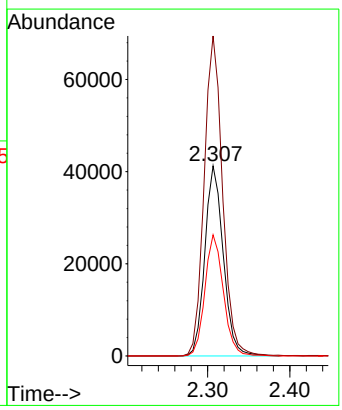


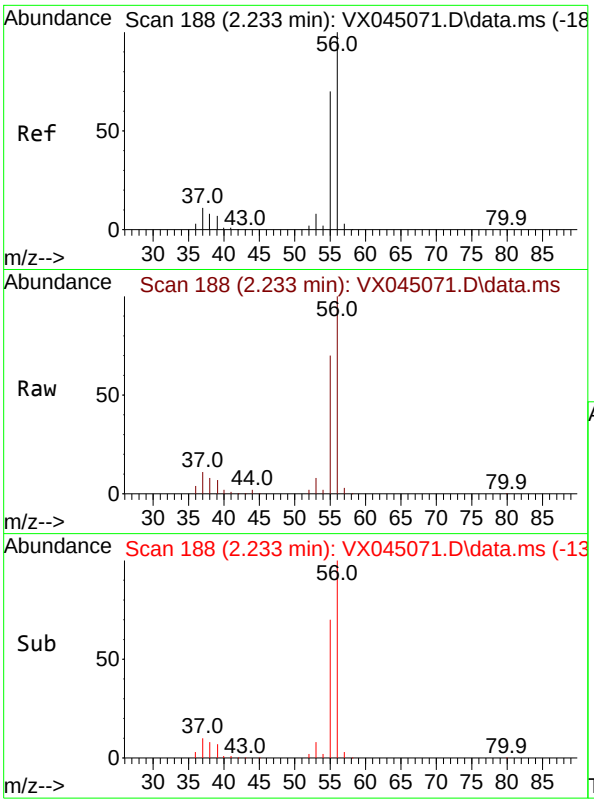


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6



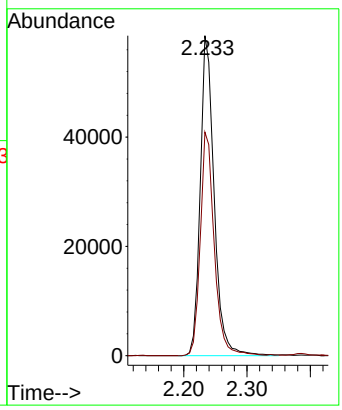


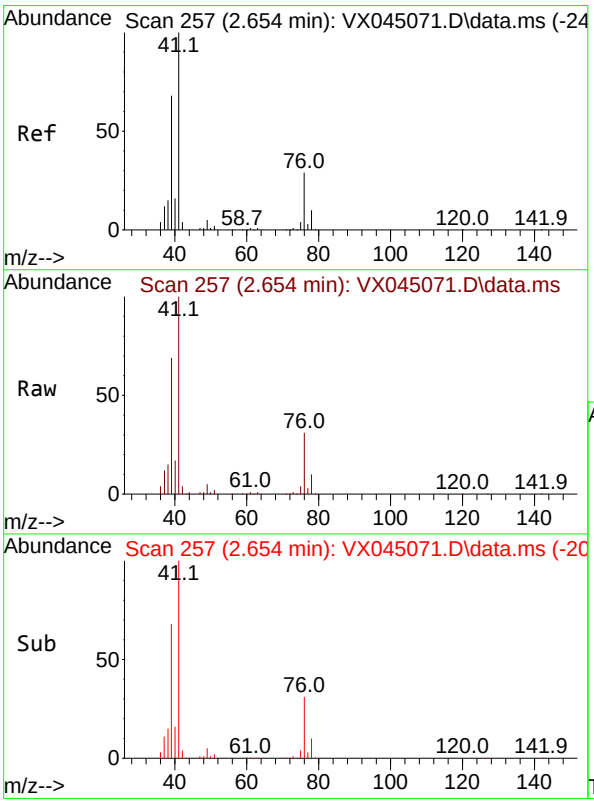
#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

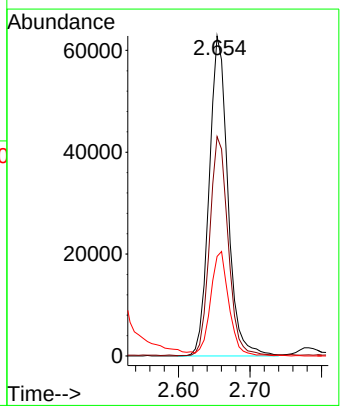


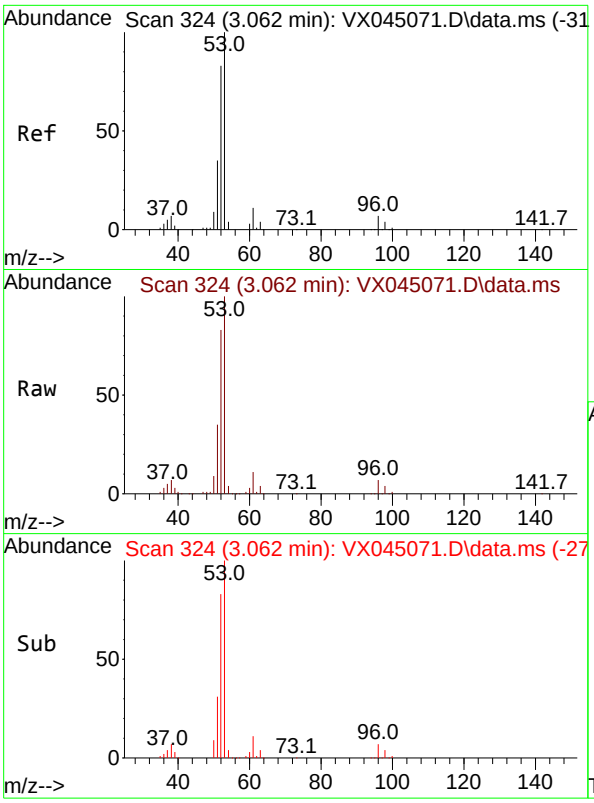


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8



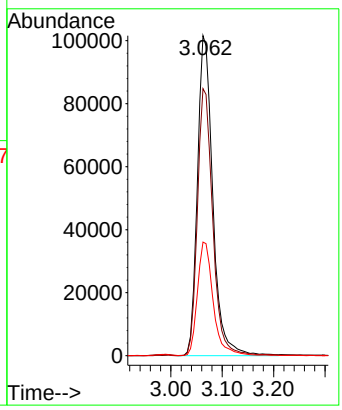


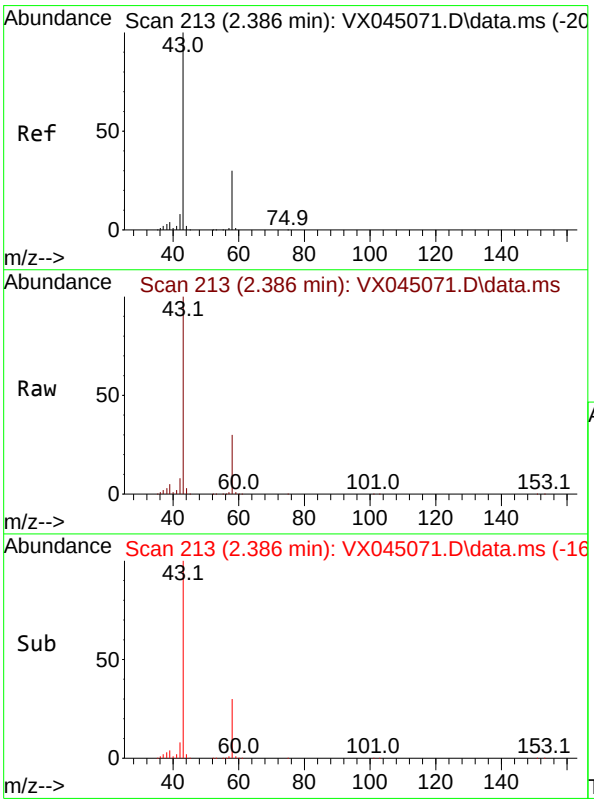
#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 211455

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4

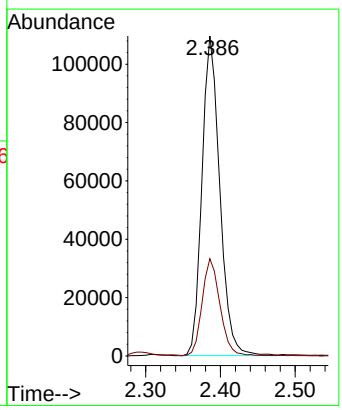


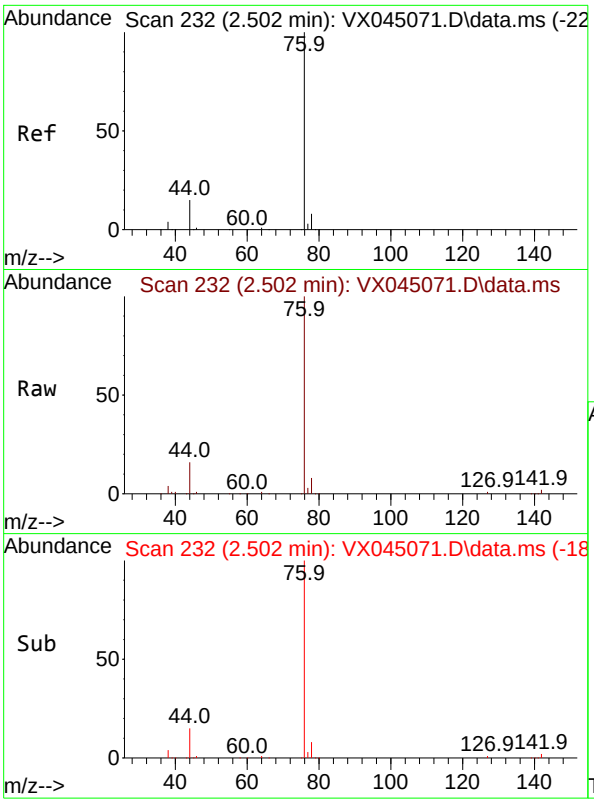


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



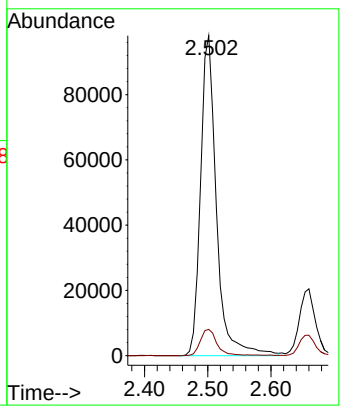


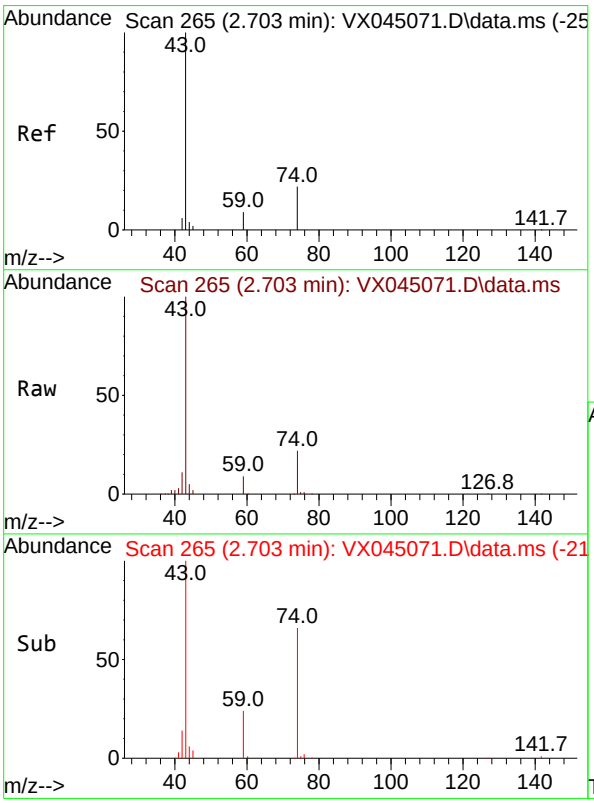
#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 171353

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

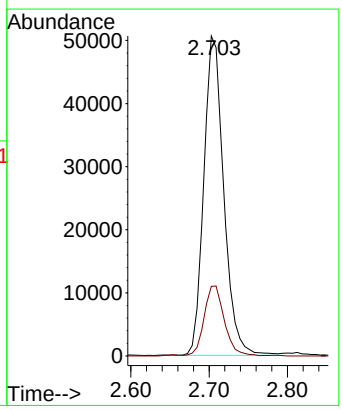


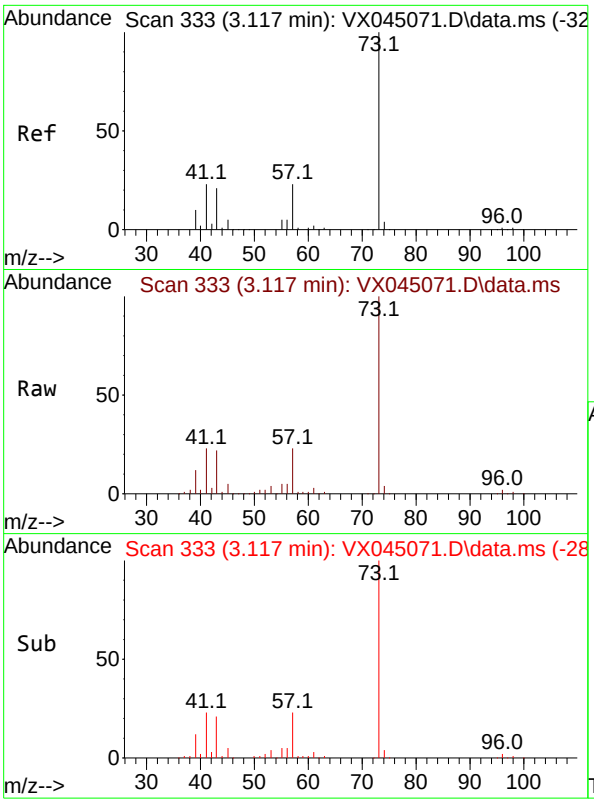


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



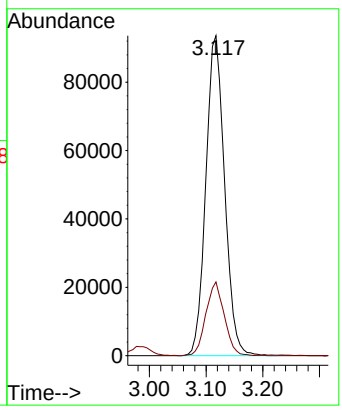


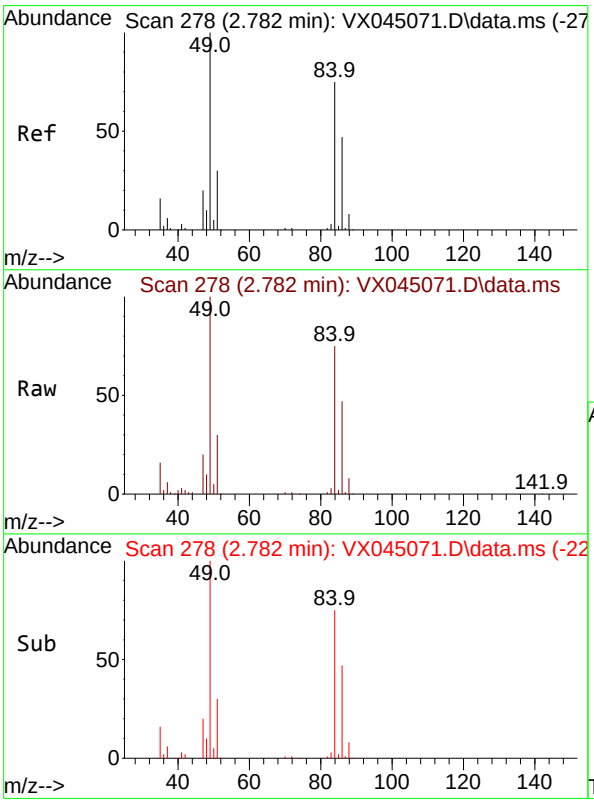
#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 215043

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

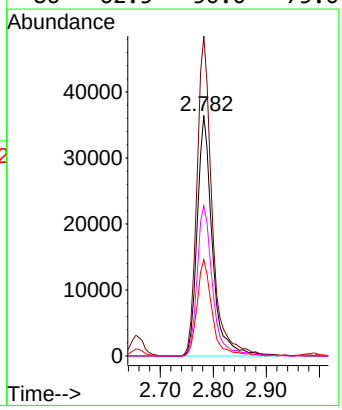


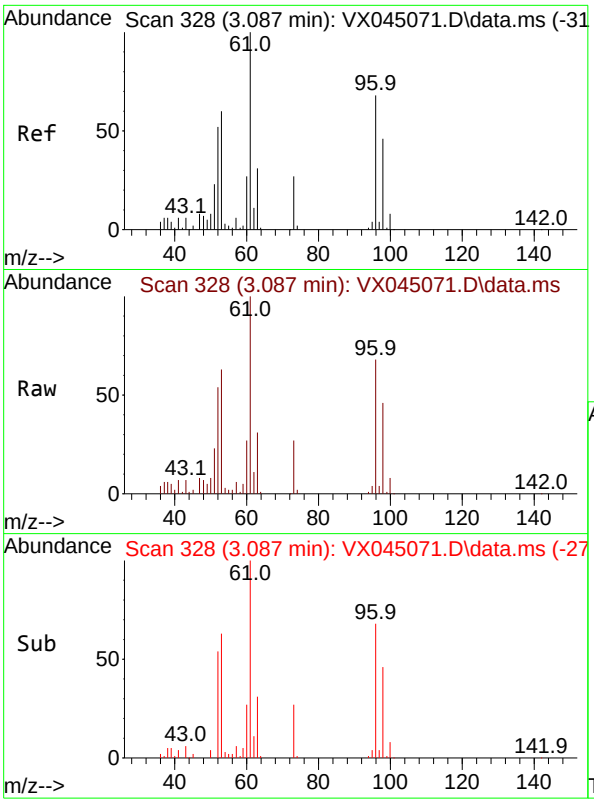


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0



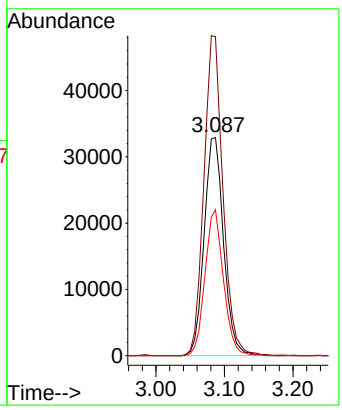


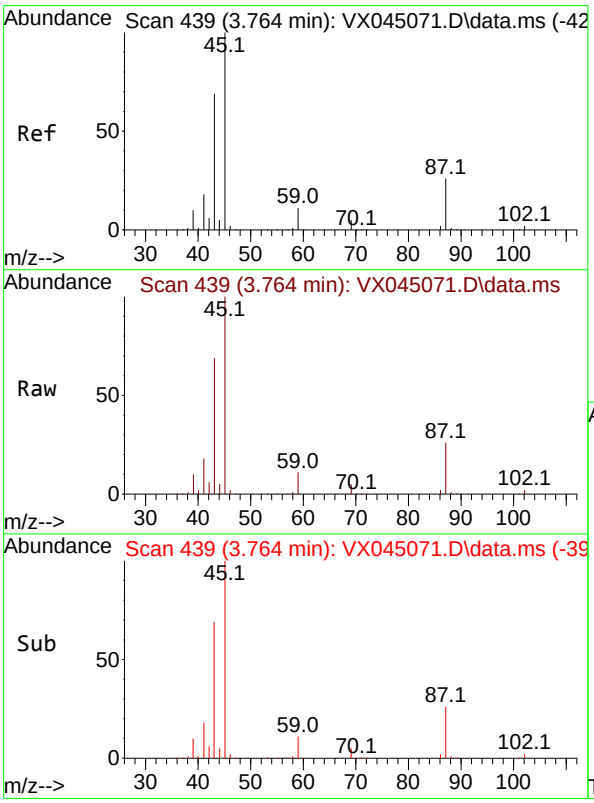
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 65093

Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

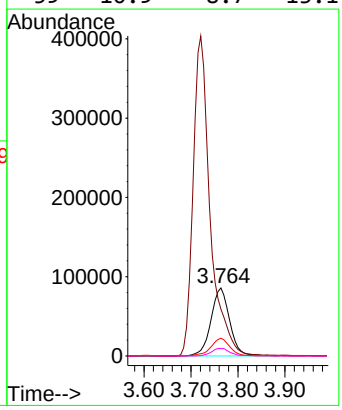


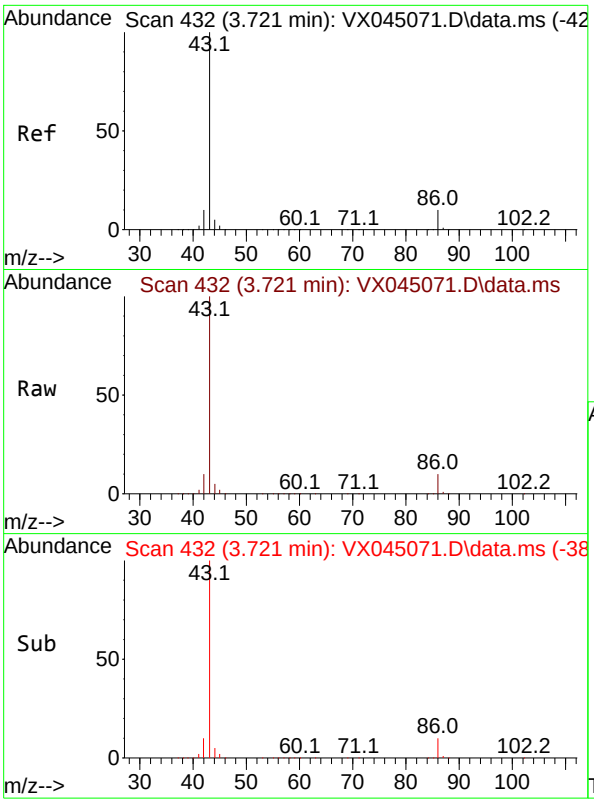


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1



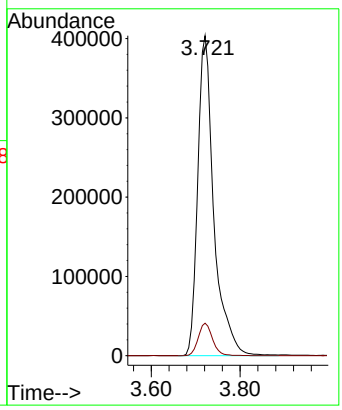


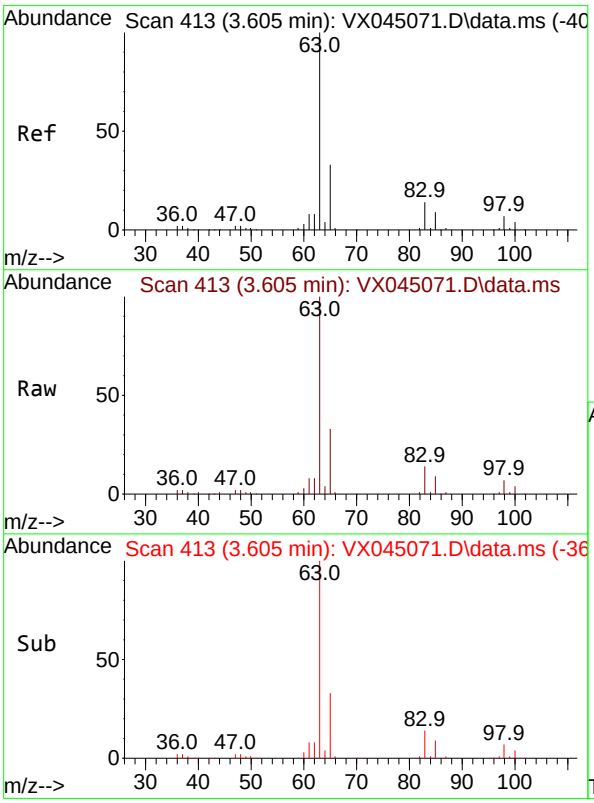
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1018631

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

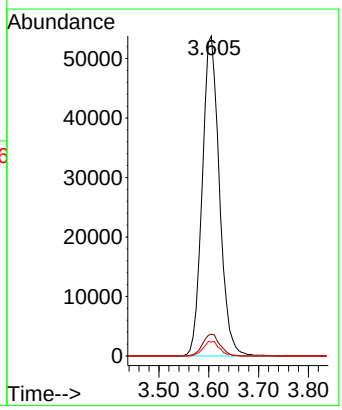


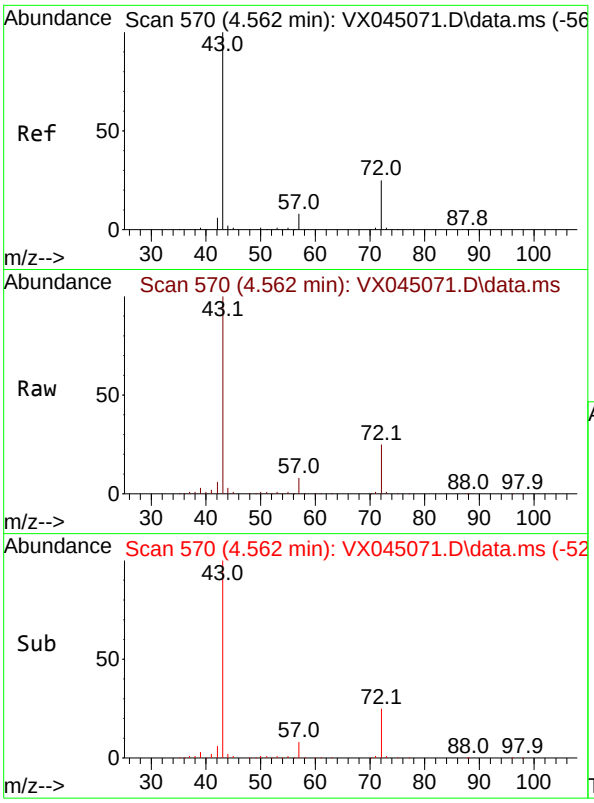


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5



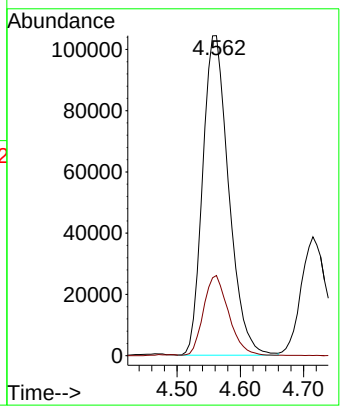


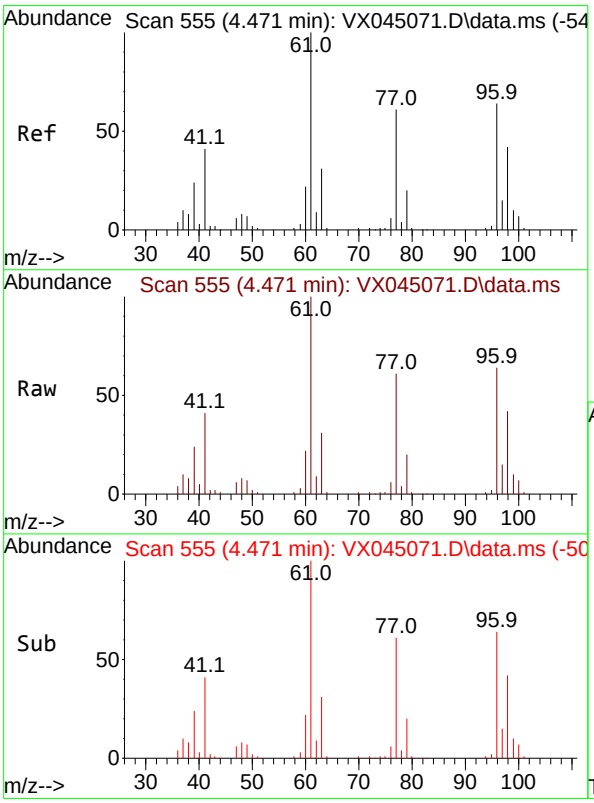
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 298785

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

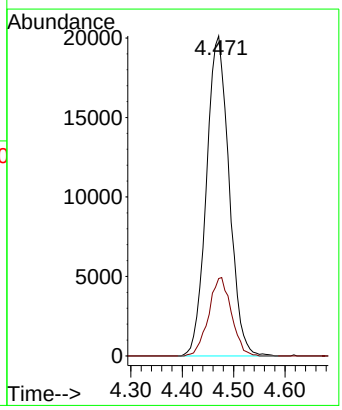


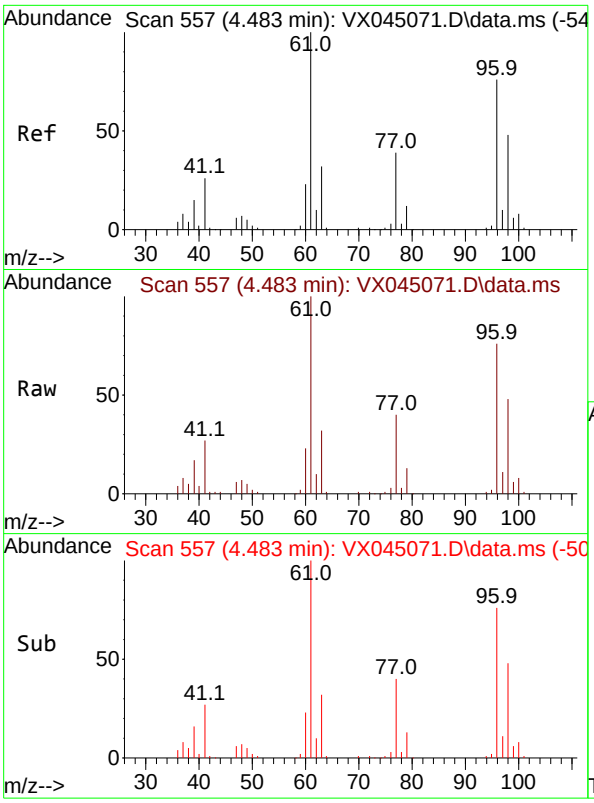


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0



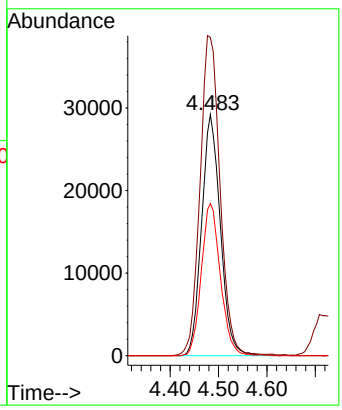


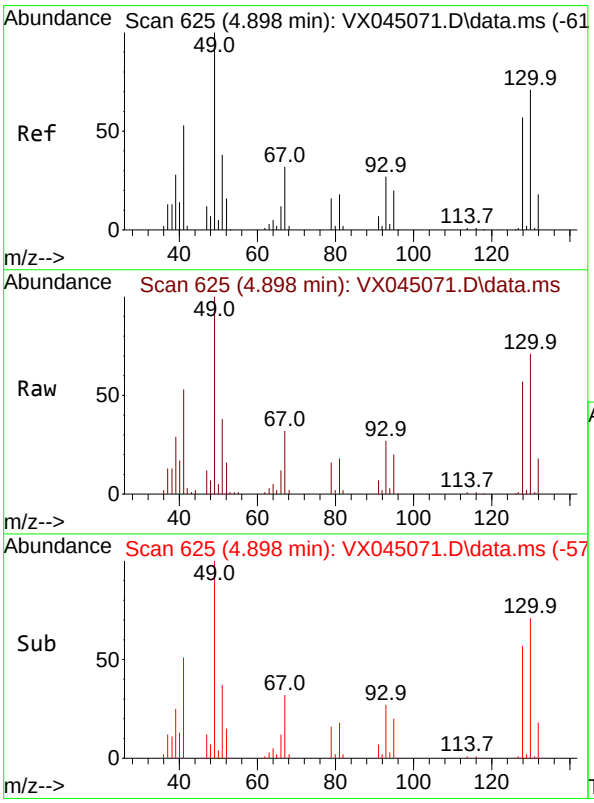
#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 78657

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

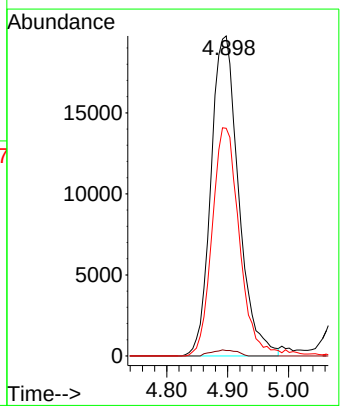


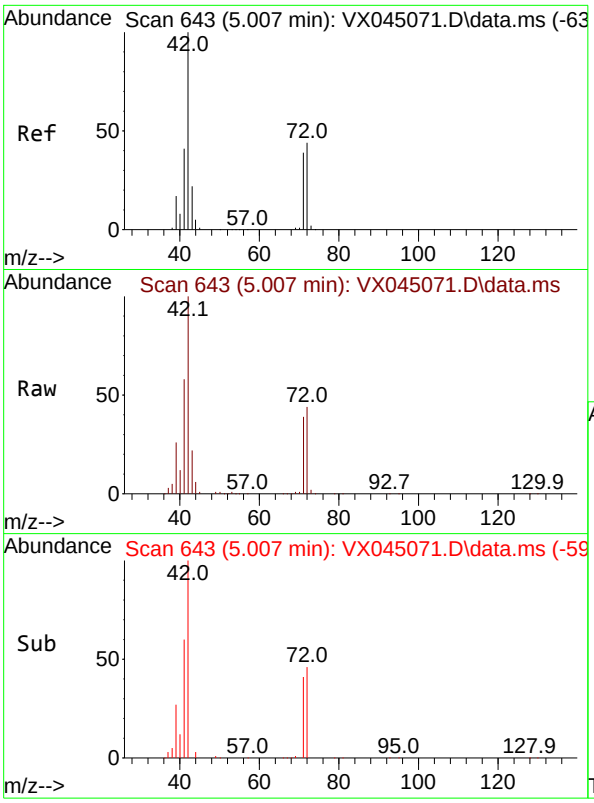


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



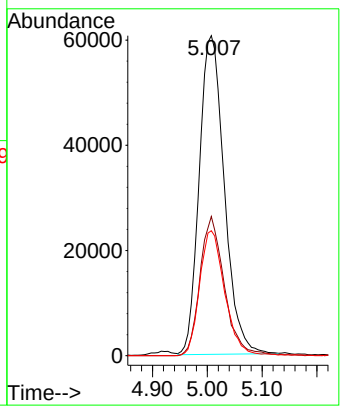


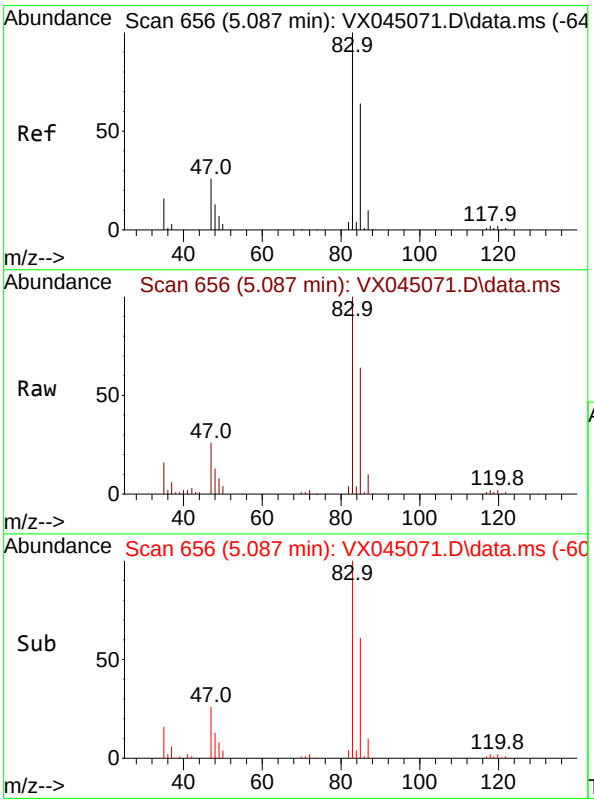
#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 192607

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0

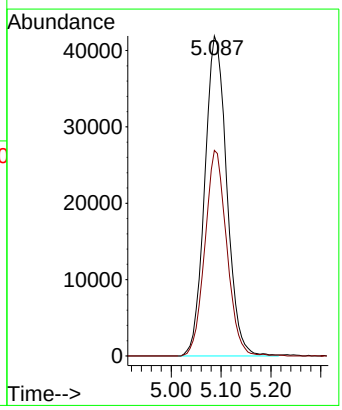


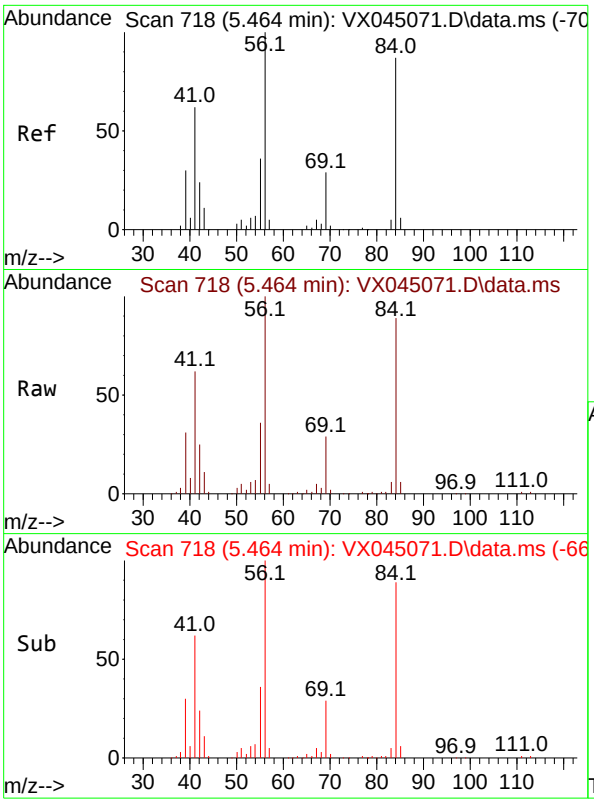


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



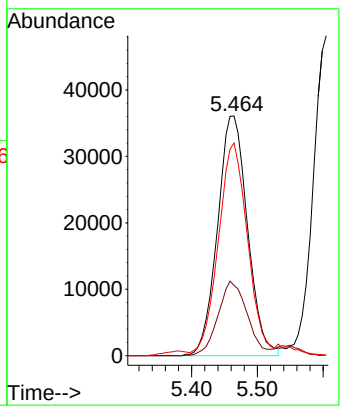


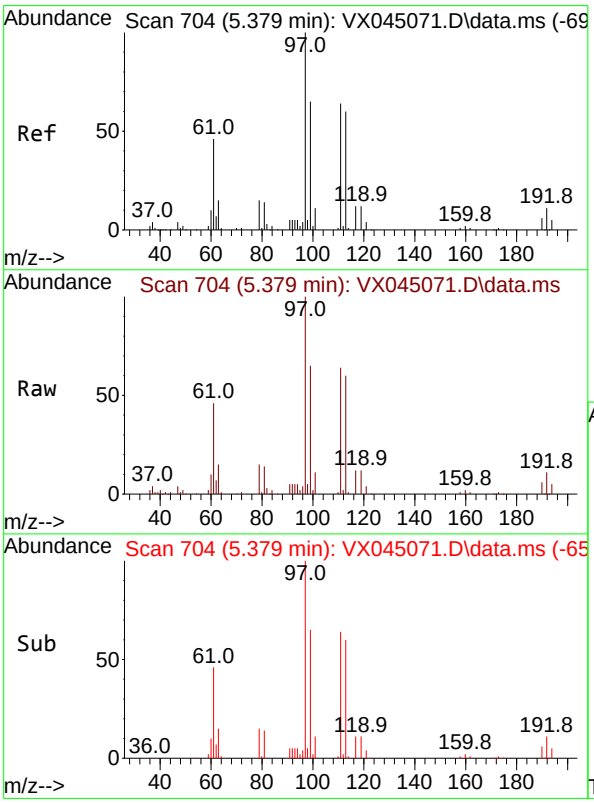
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 114333

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2

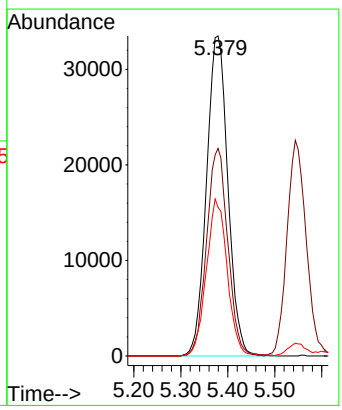


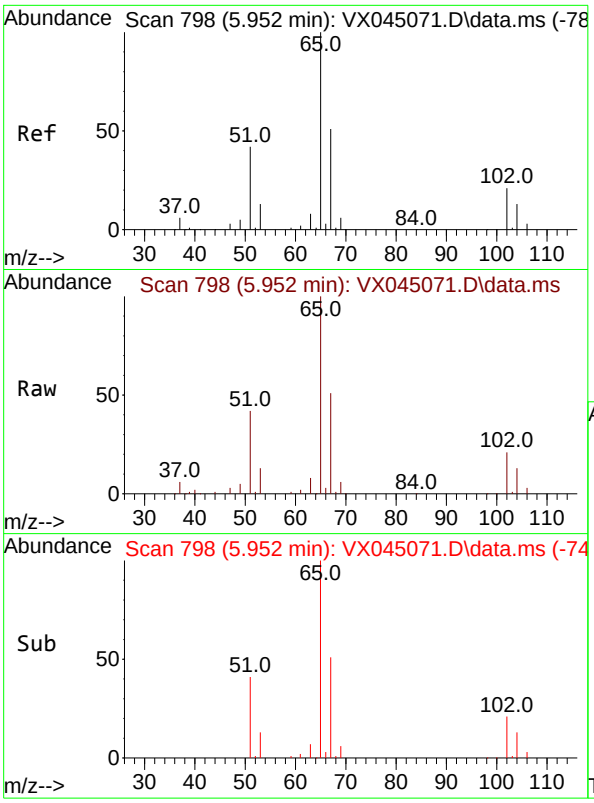


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6



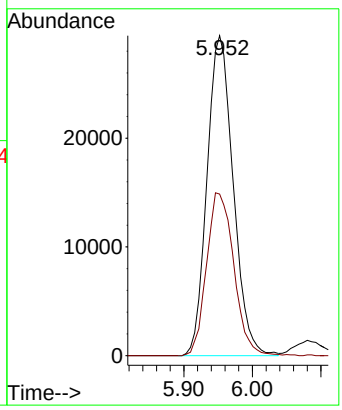


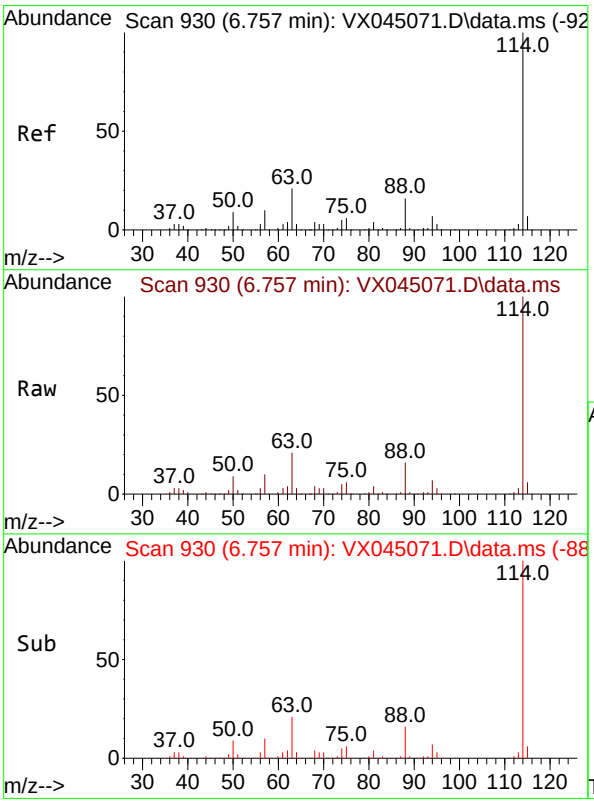
#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

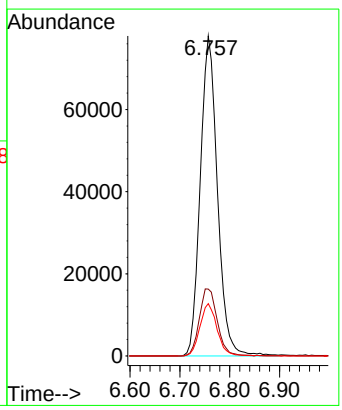


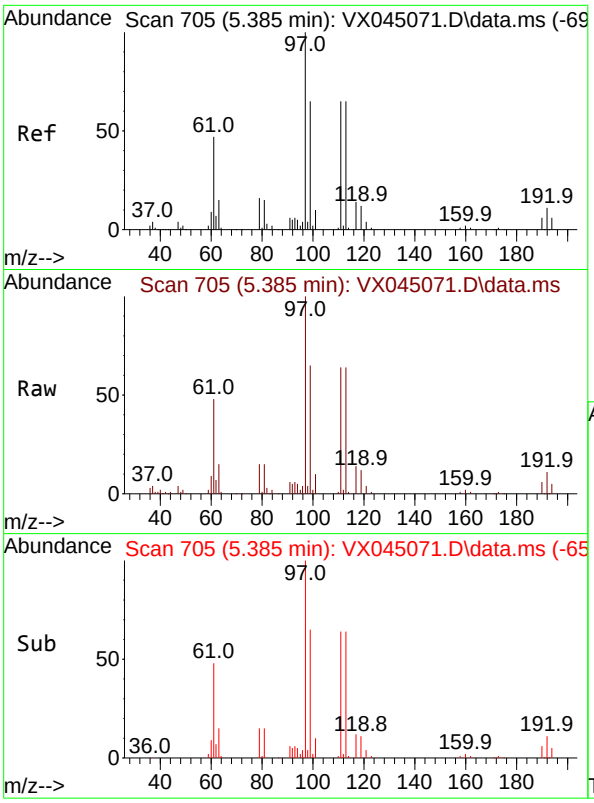


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8



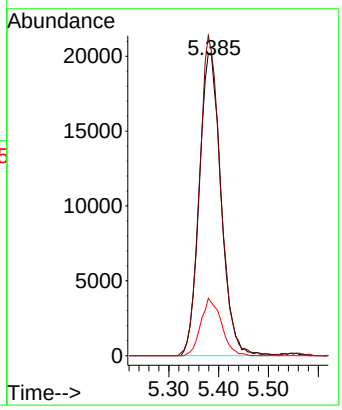


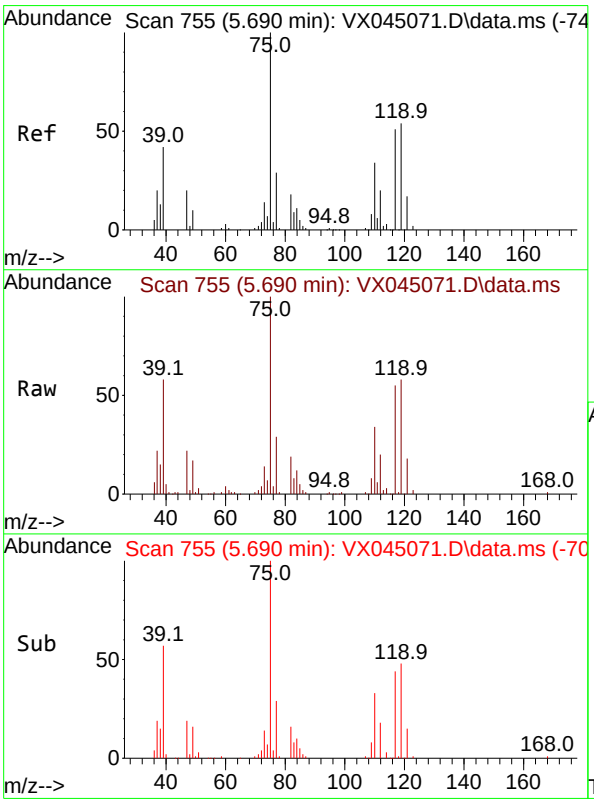
#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 61323

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5

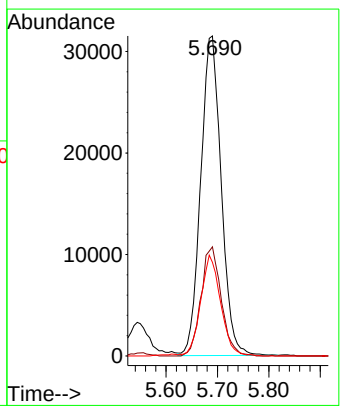


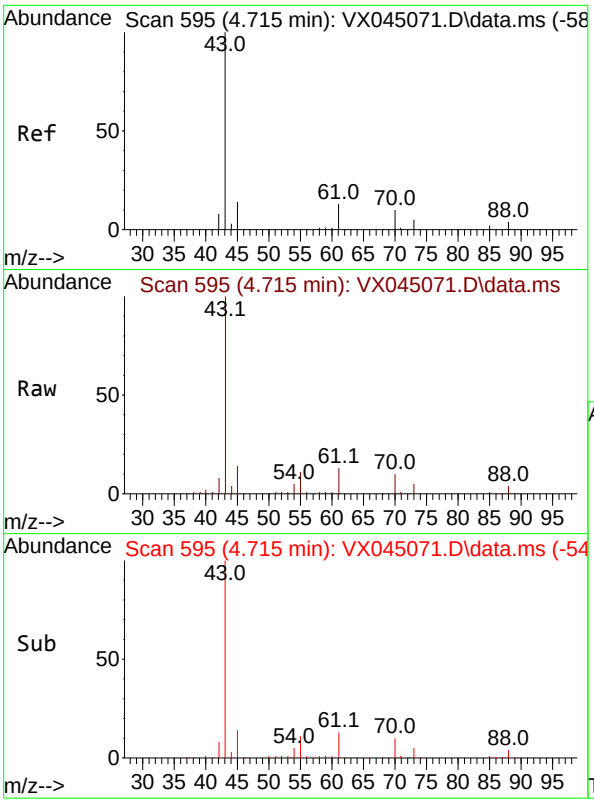


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7



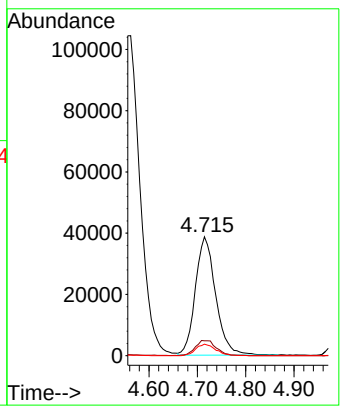


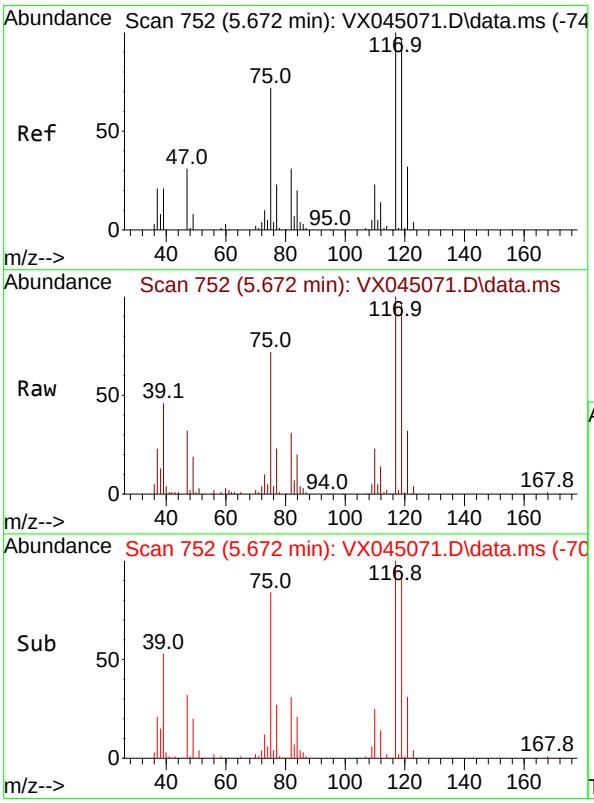
#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 112892

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5

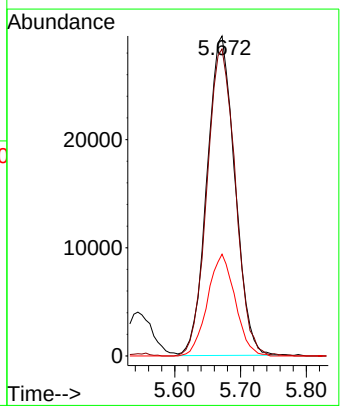


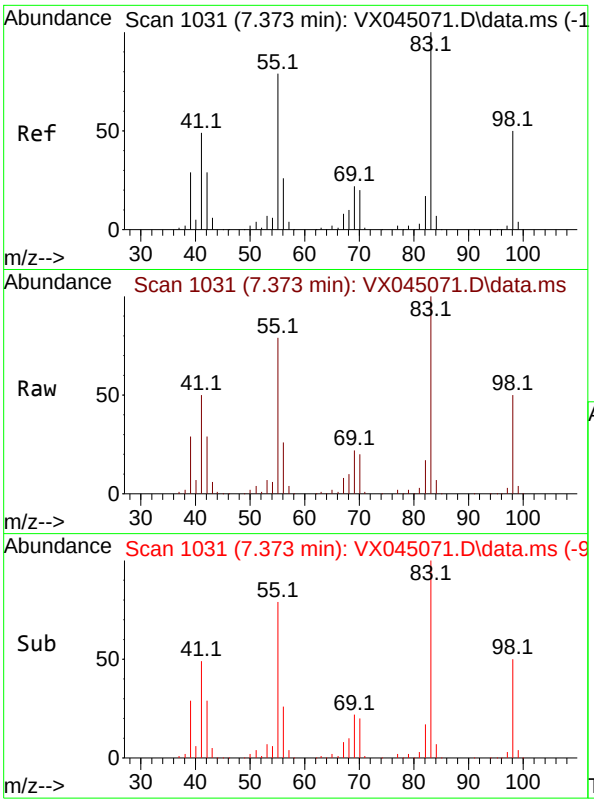


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3



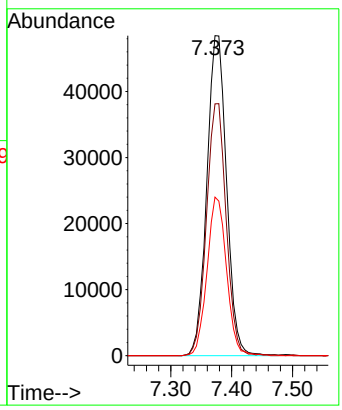


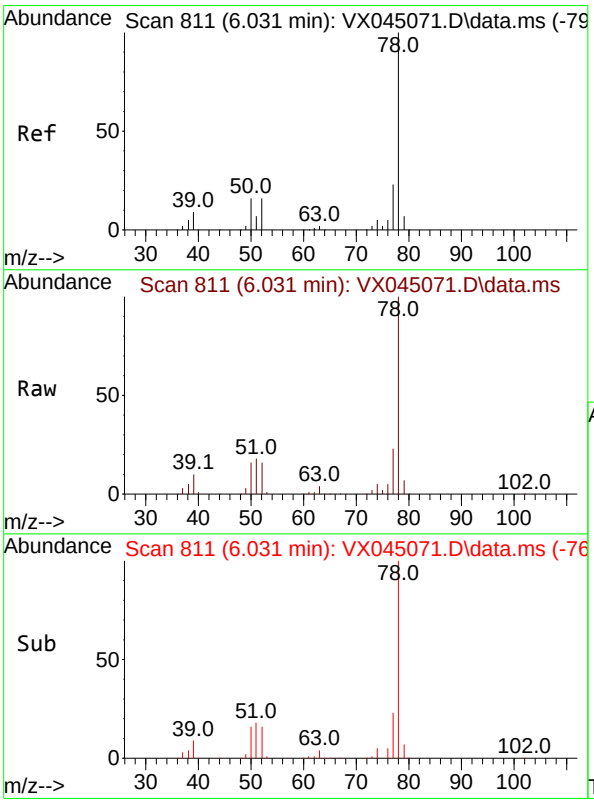
#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 108974

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

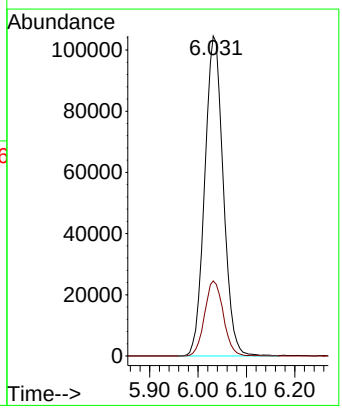


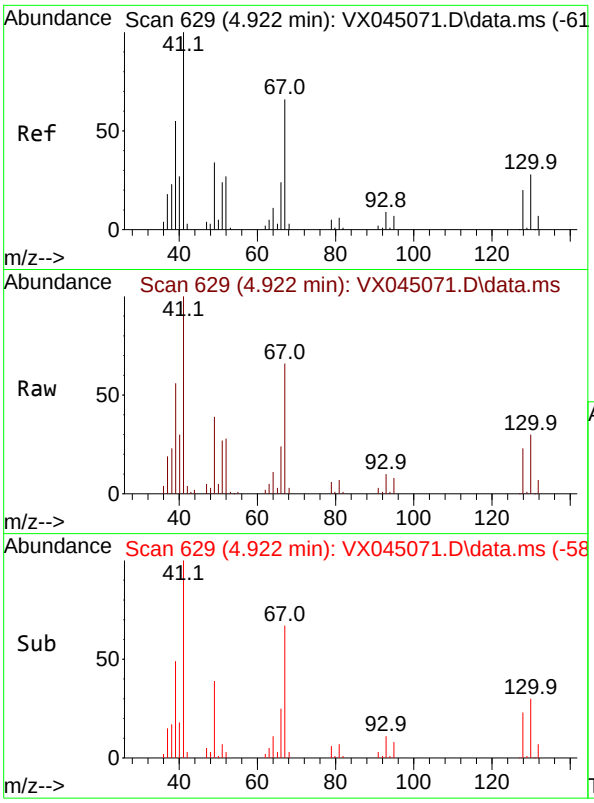


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



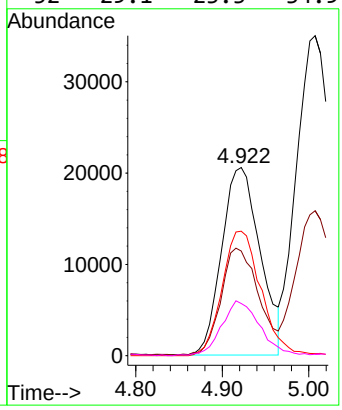


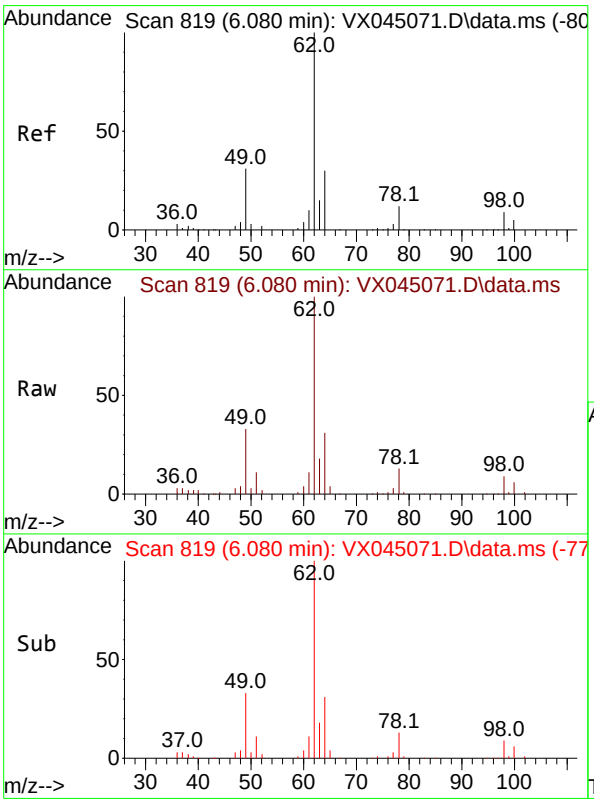
#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 63454

Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9

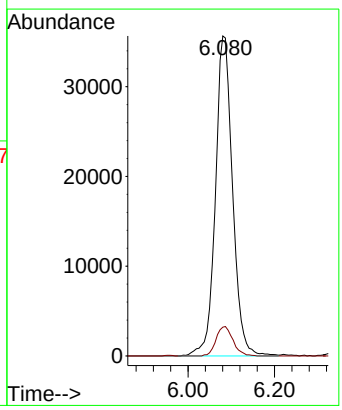


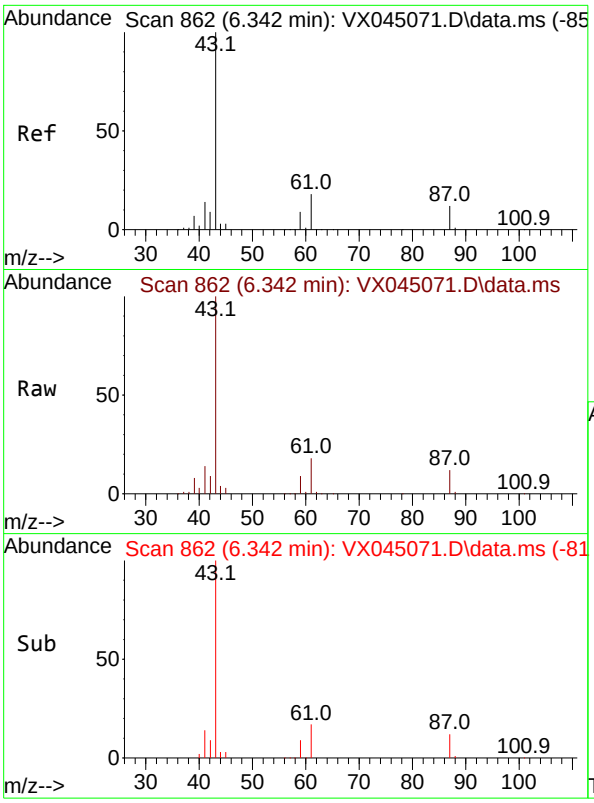


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



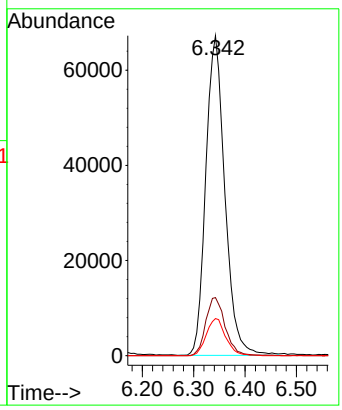


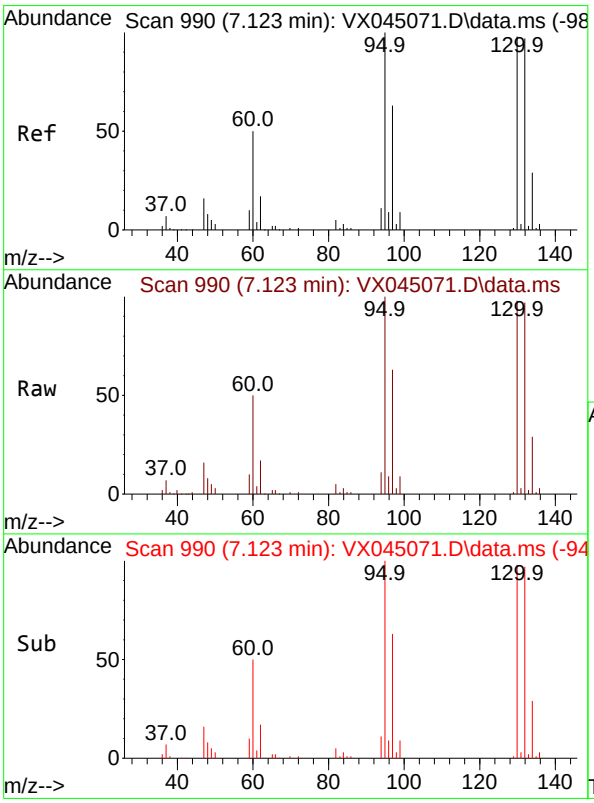
#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 173045

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2

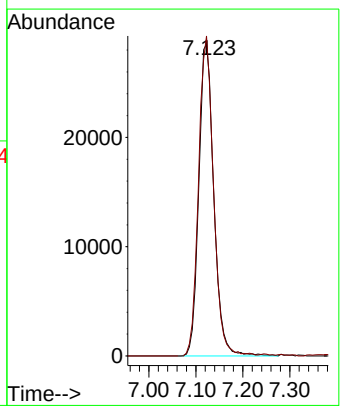


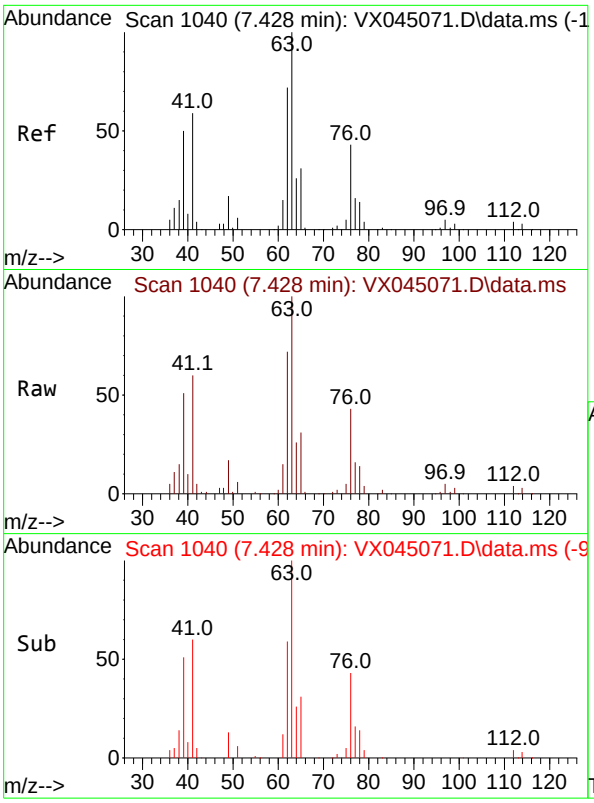


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0



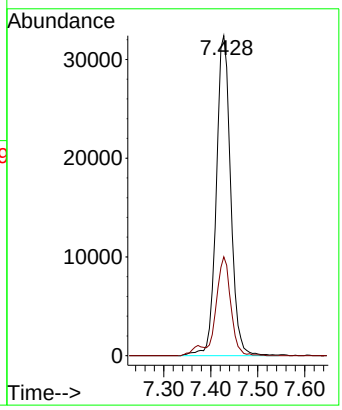


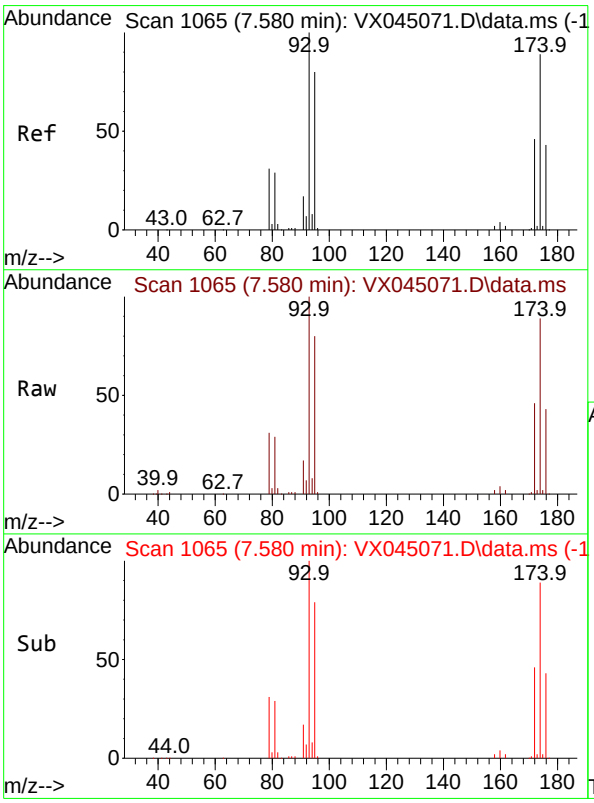
#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

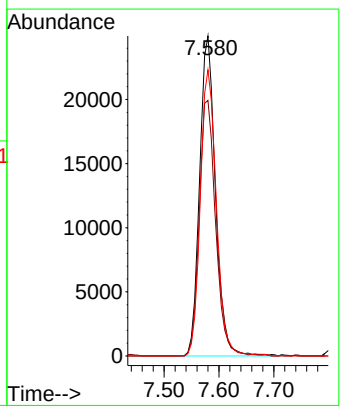


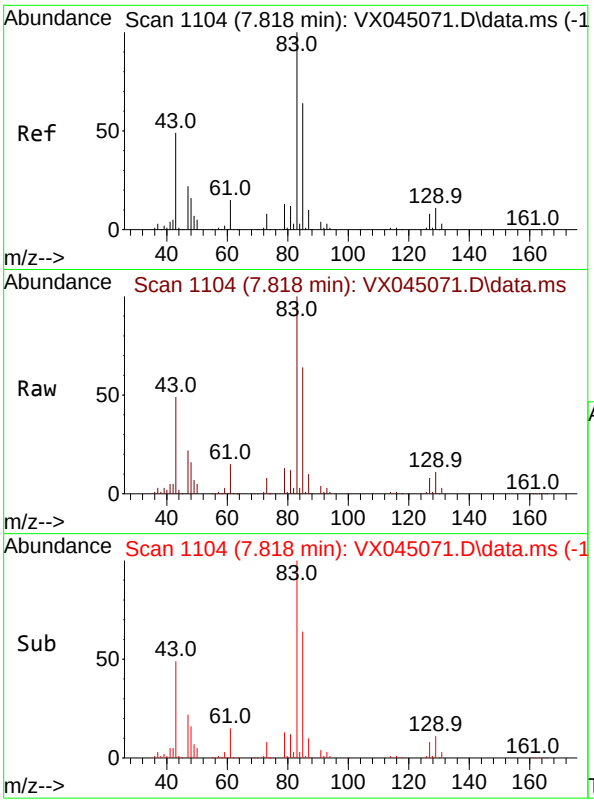


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2



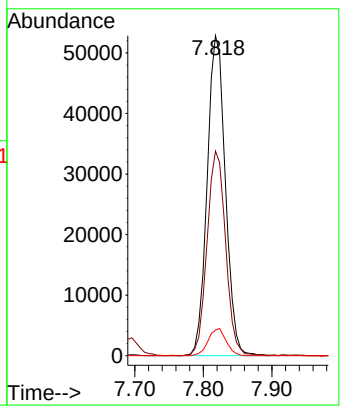


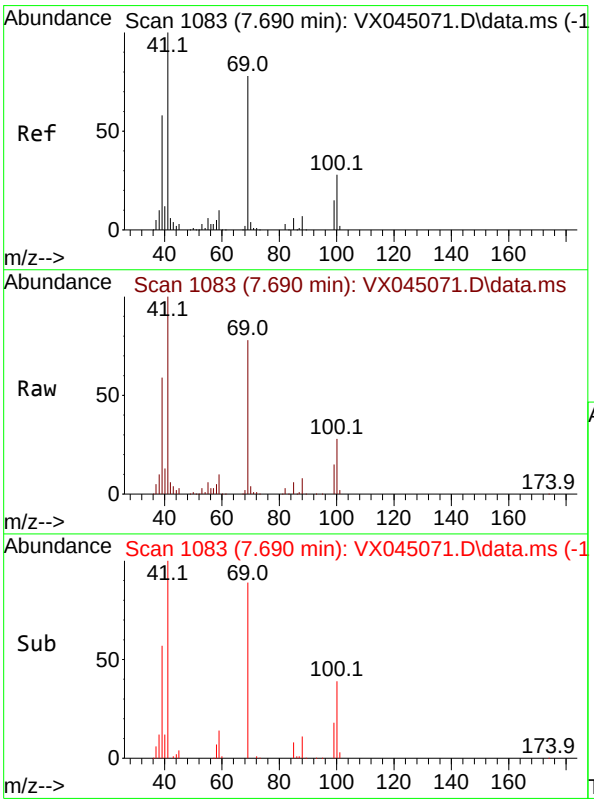
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 97729

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6

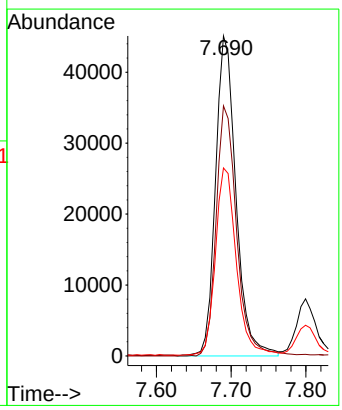


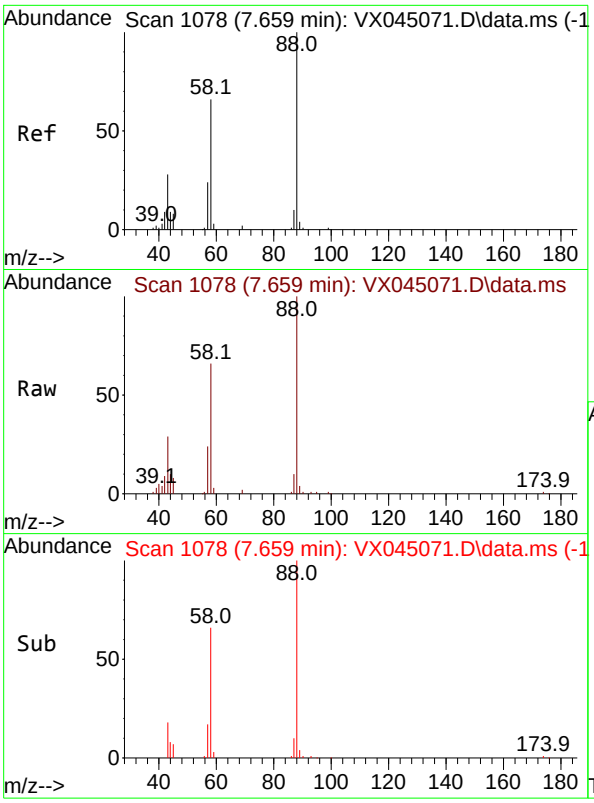


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3



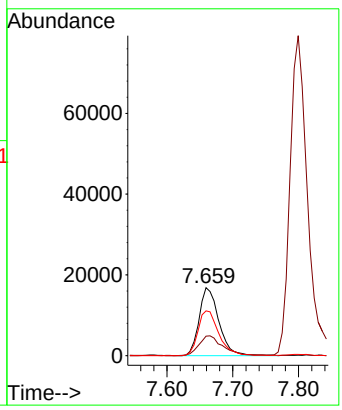


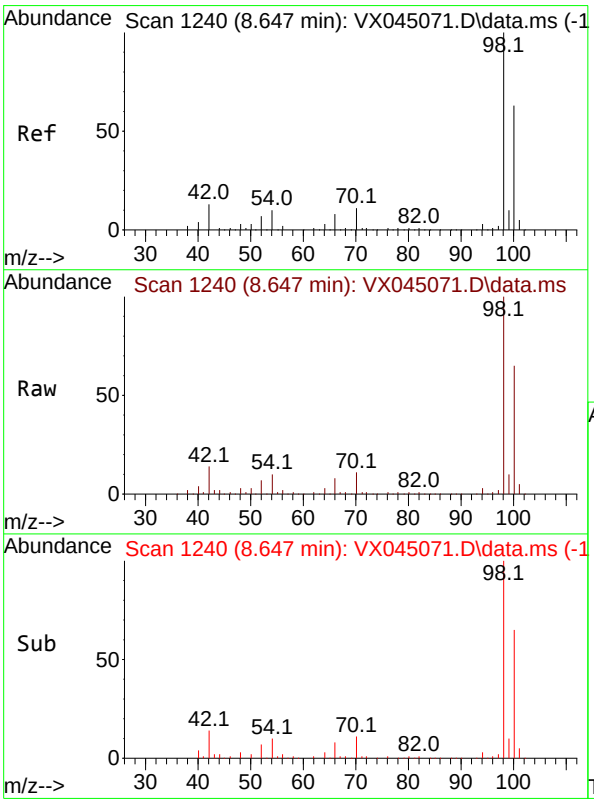
#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 35053

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

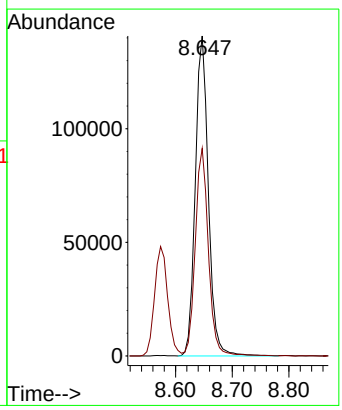


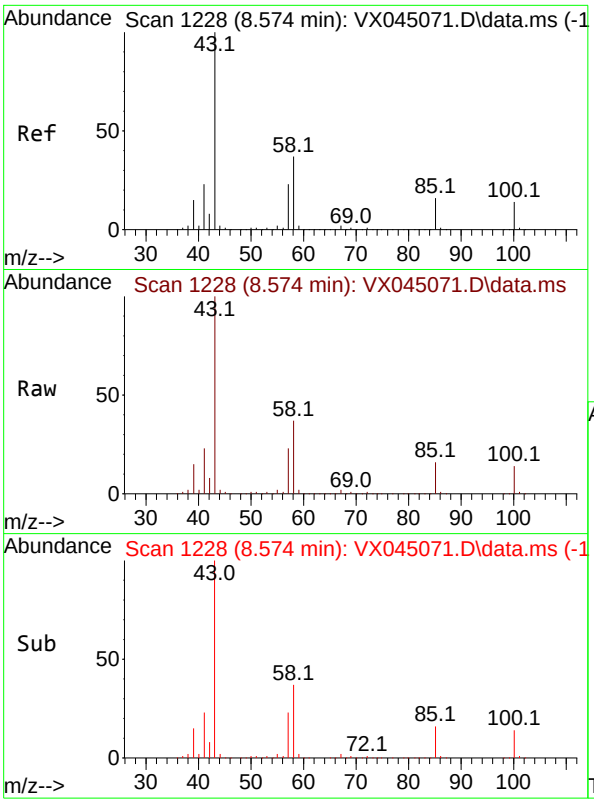


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



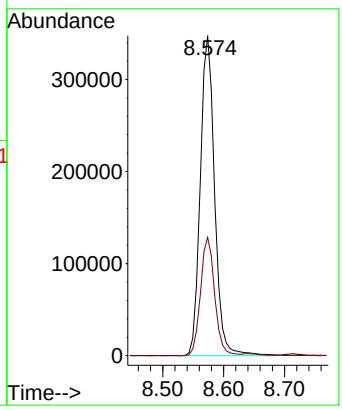


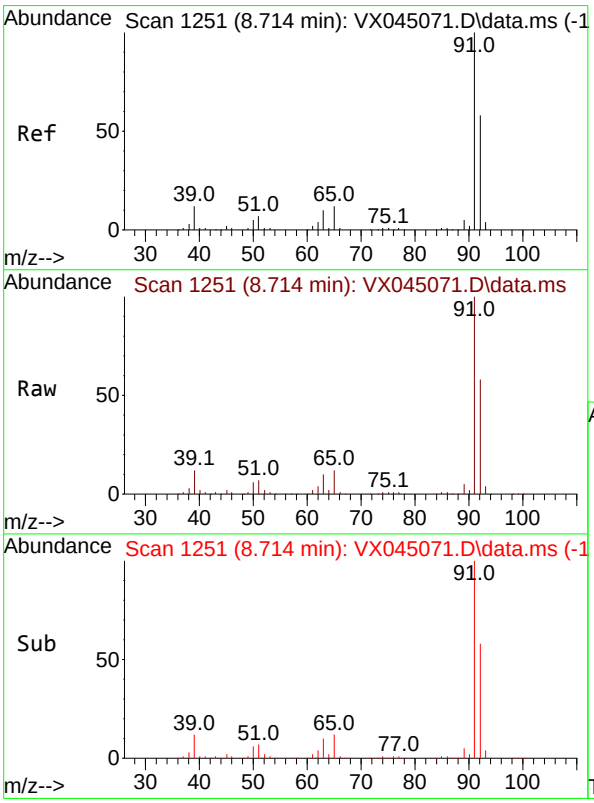
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568737

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

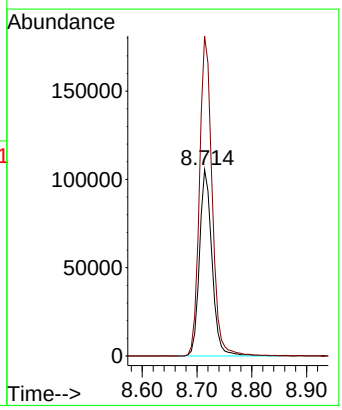


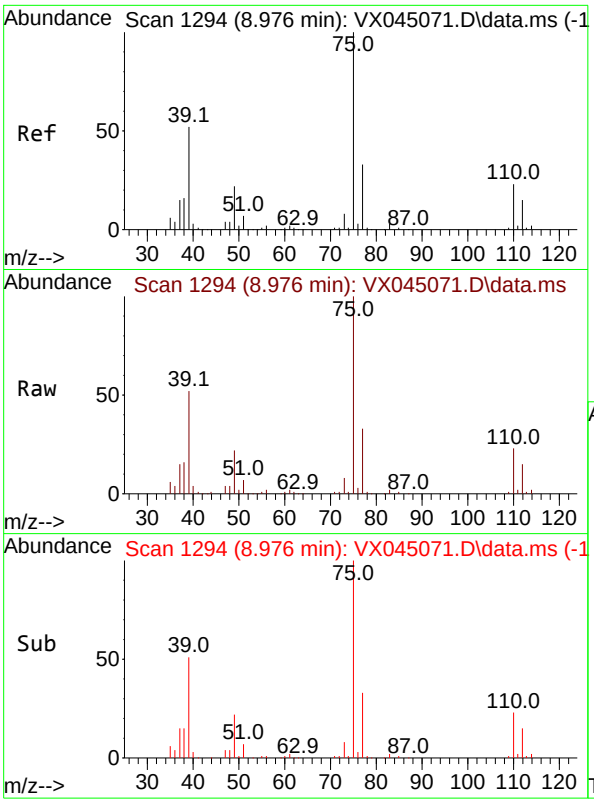


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



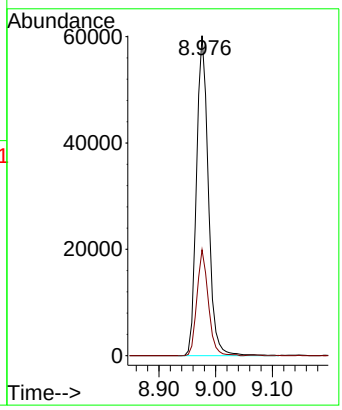


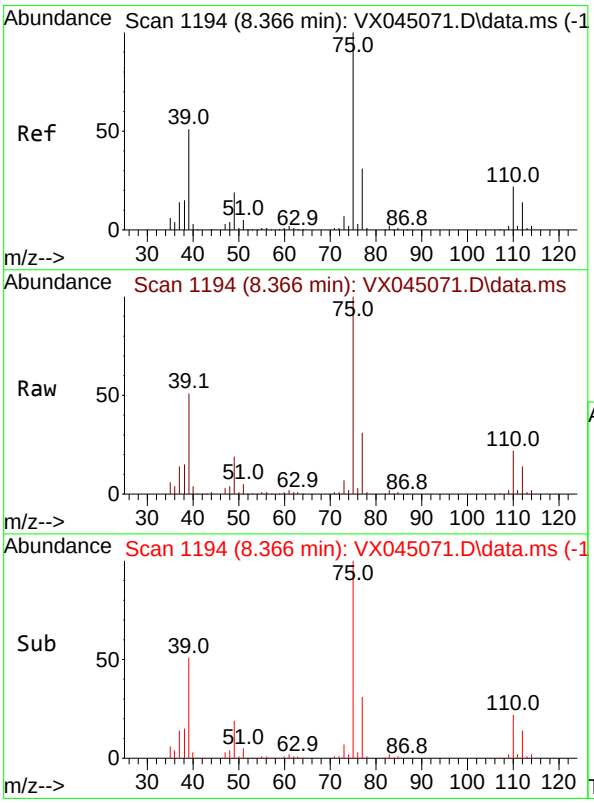
#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

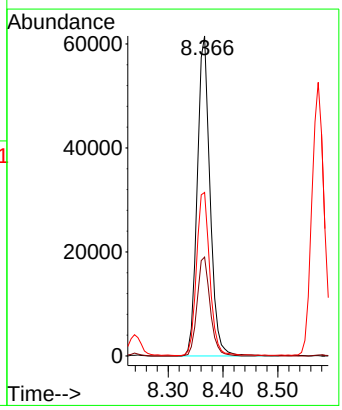


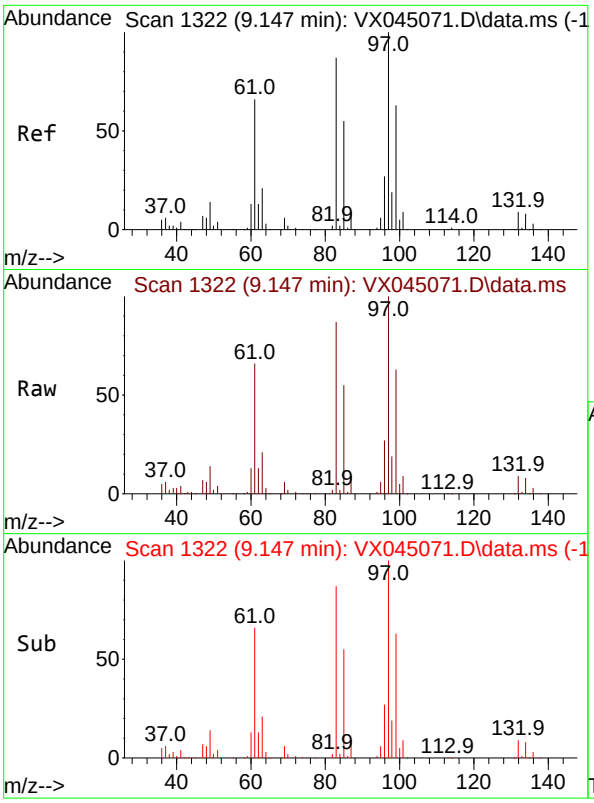


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



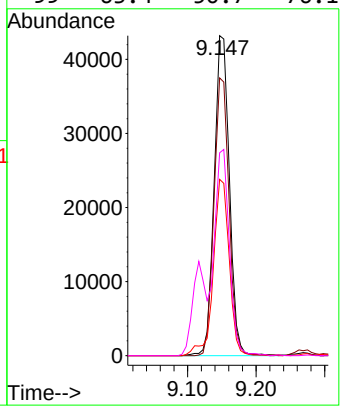


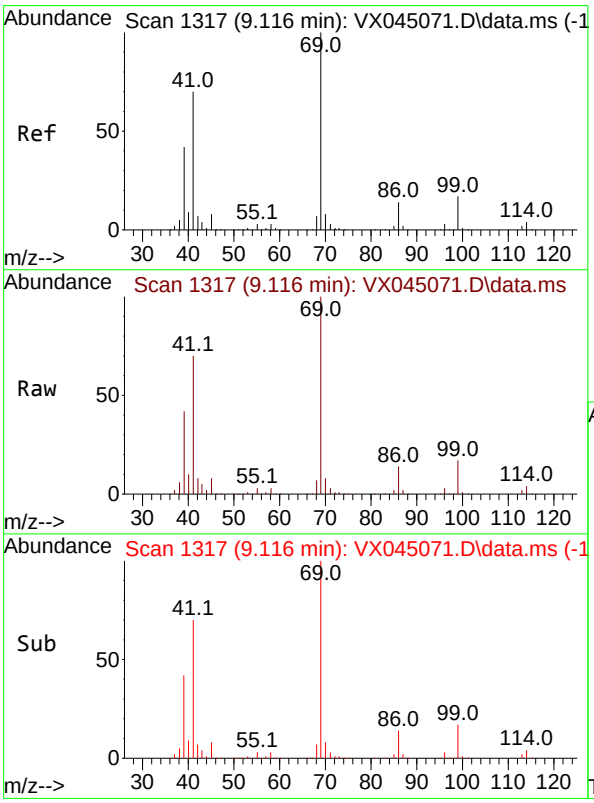
#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 66379

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1

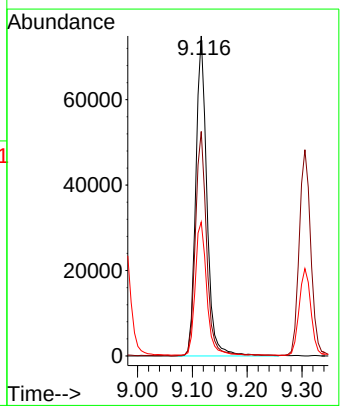


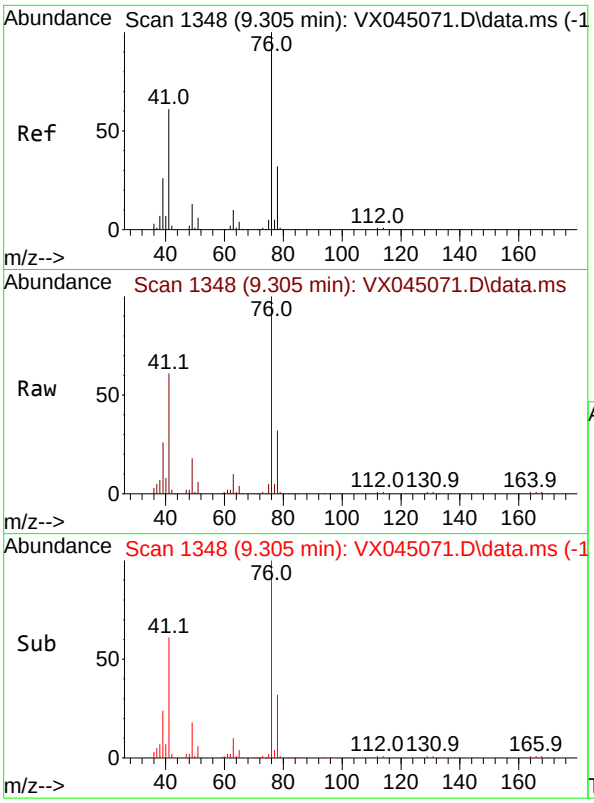


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4



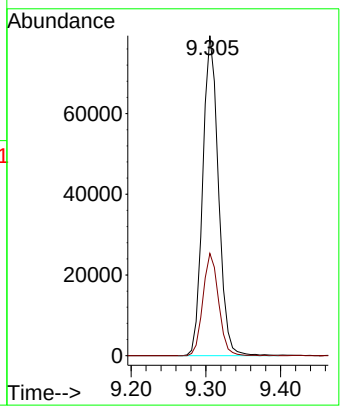


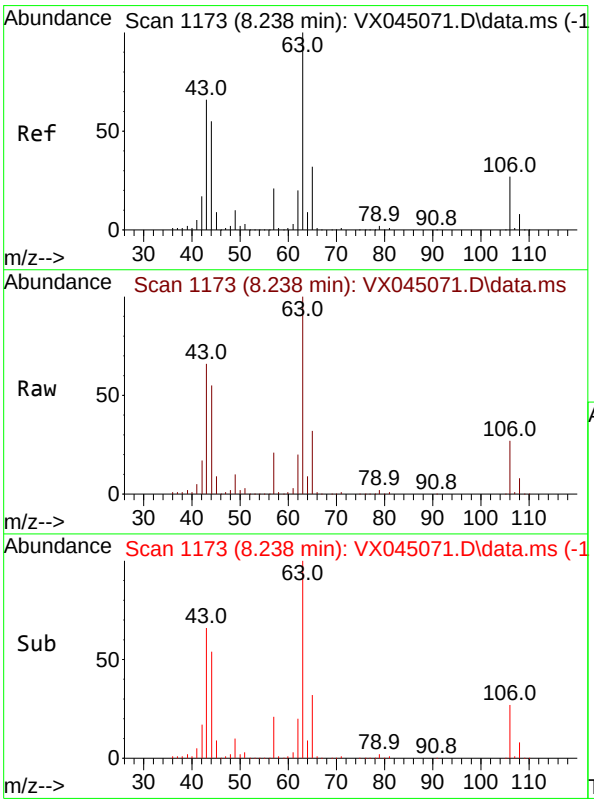
#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

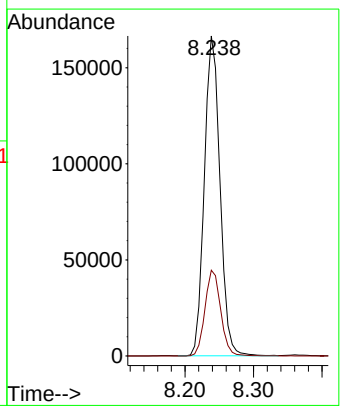


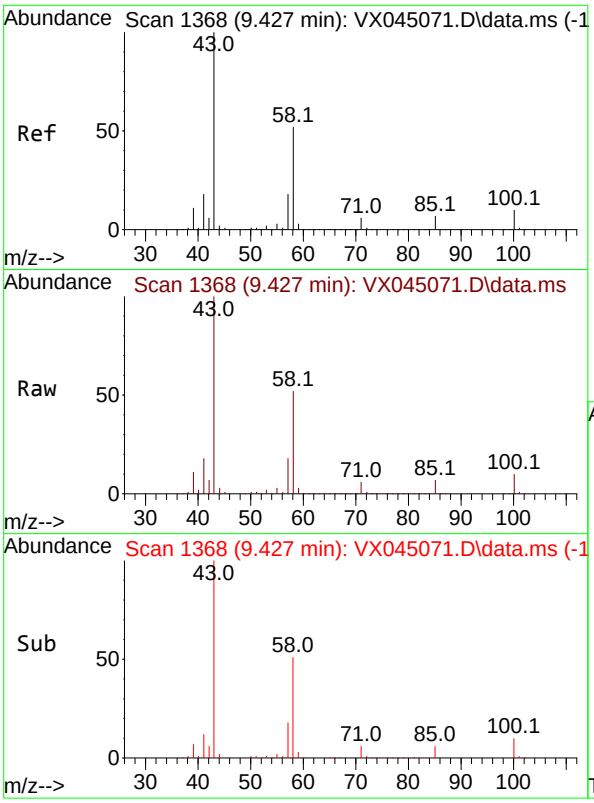


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



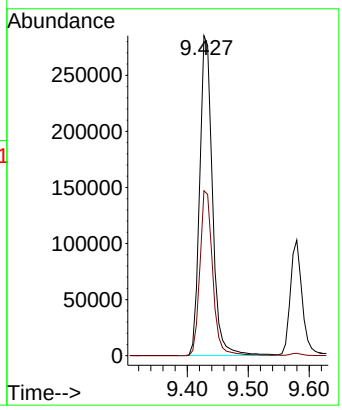


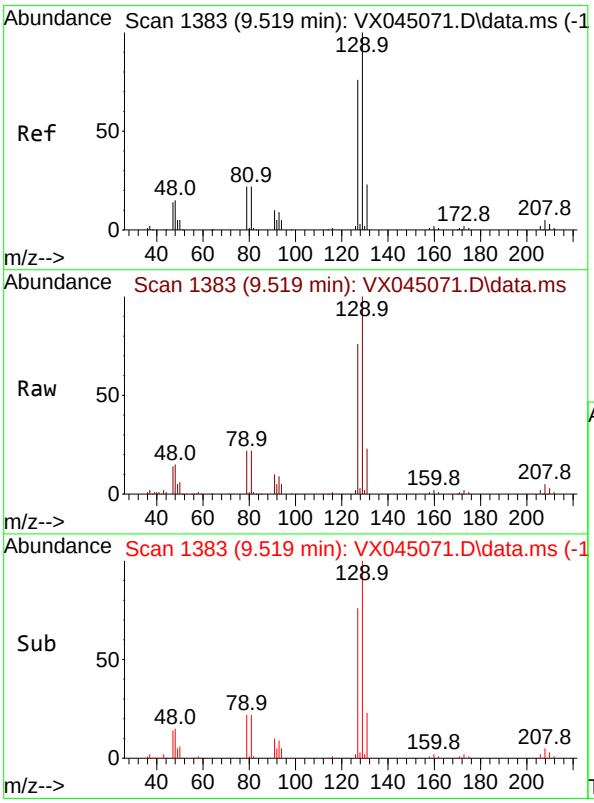
#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

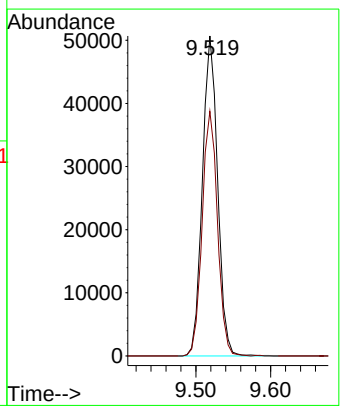


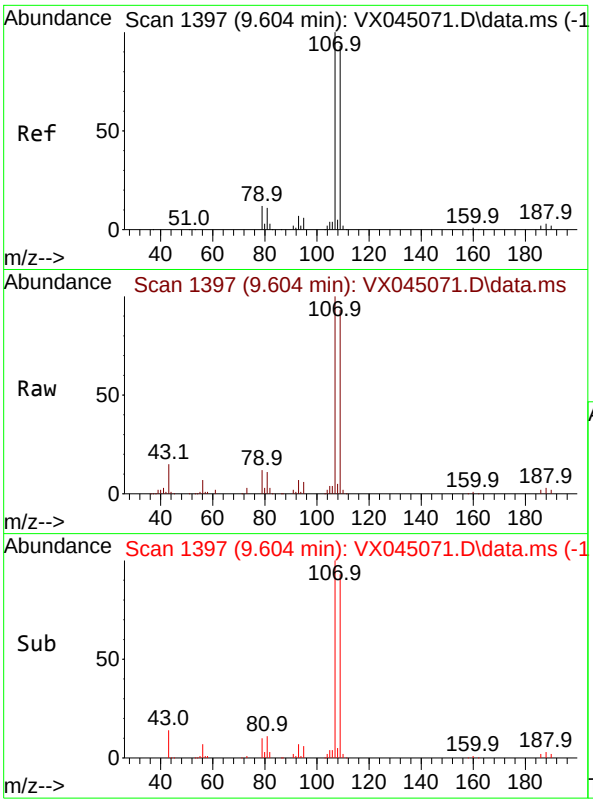


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



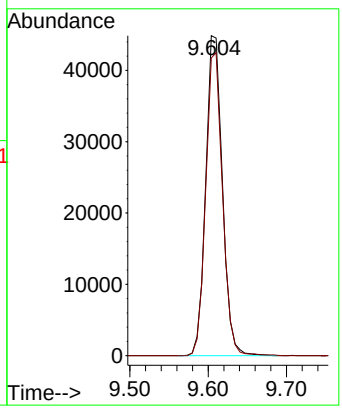


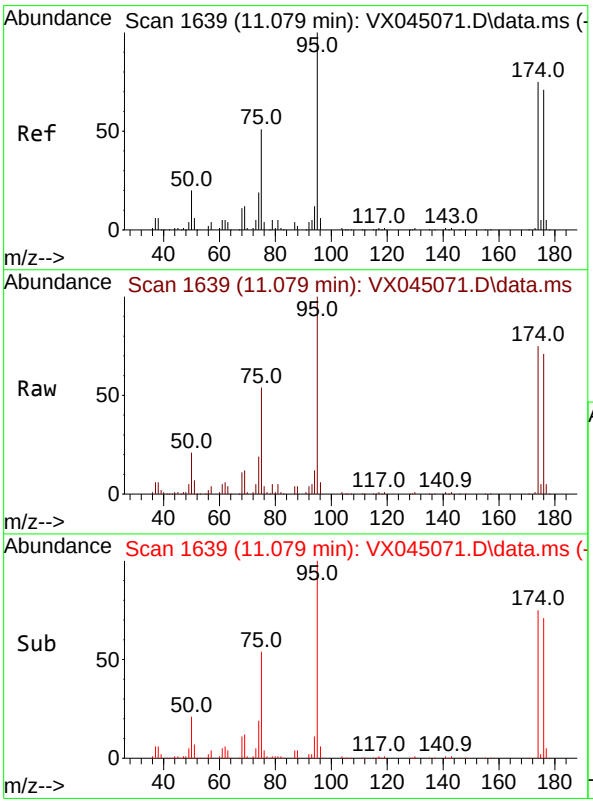
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

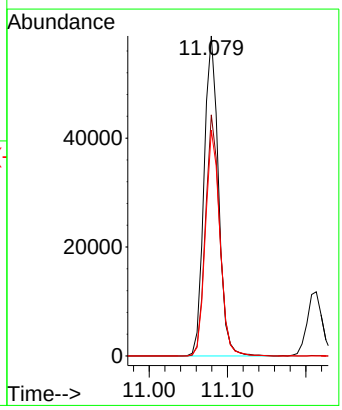


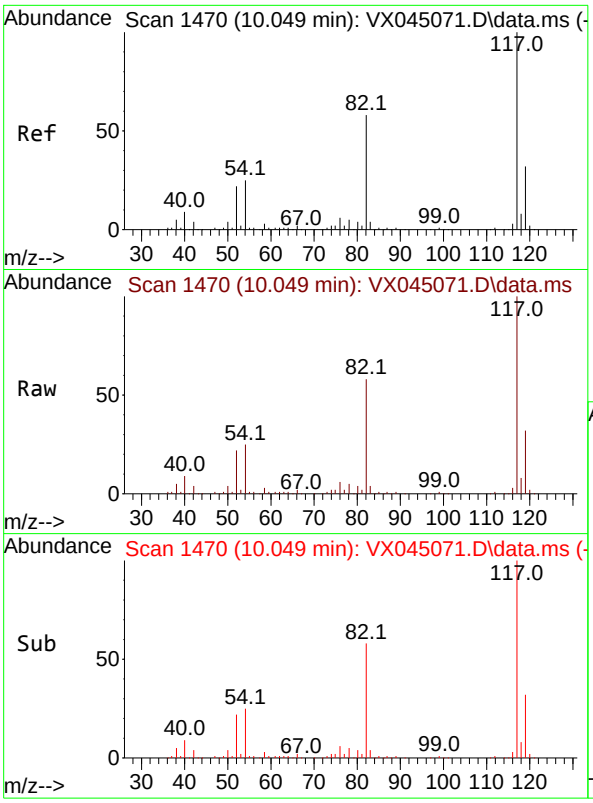


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4



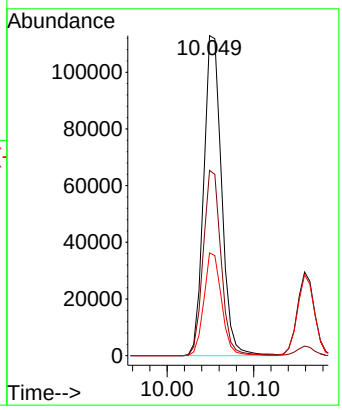


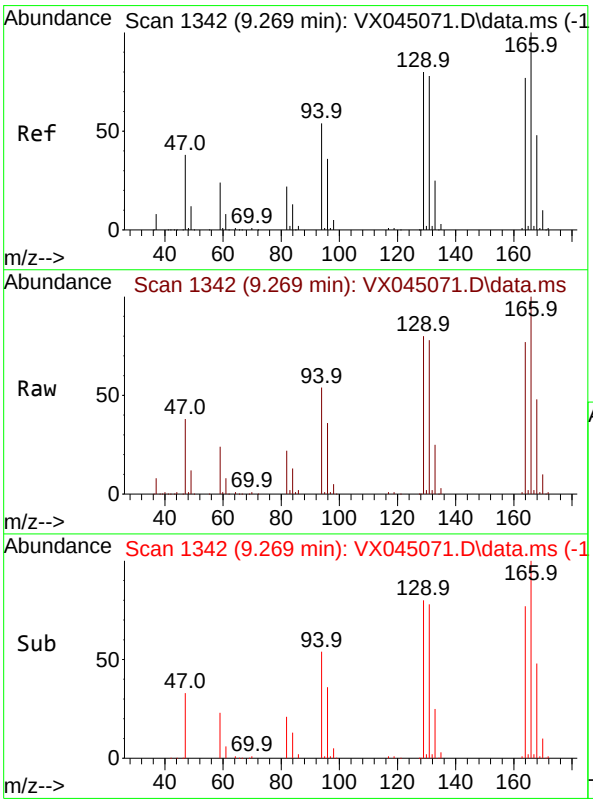
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 162079

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

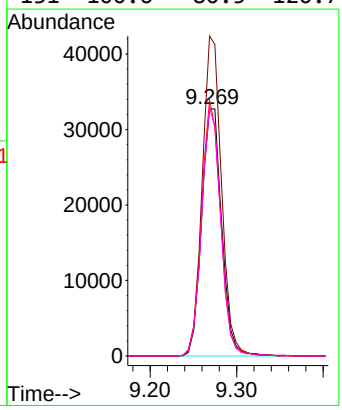


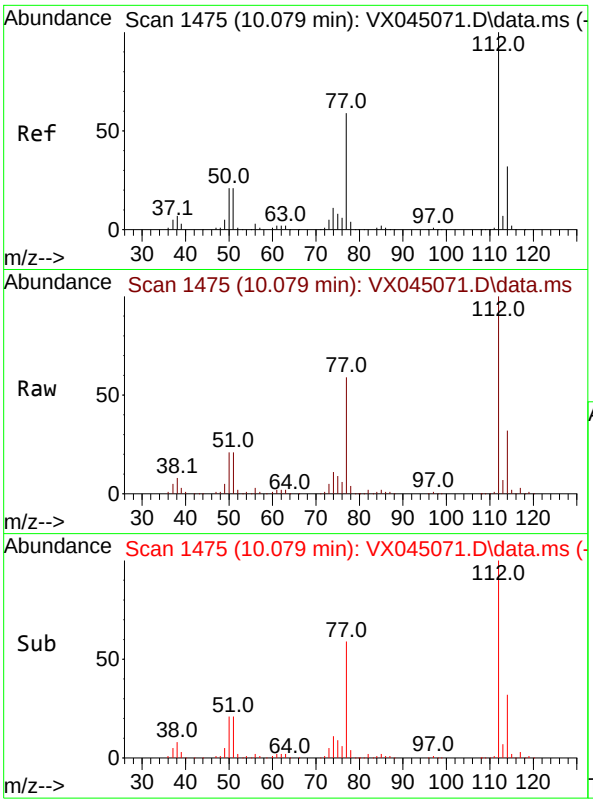


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7



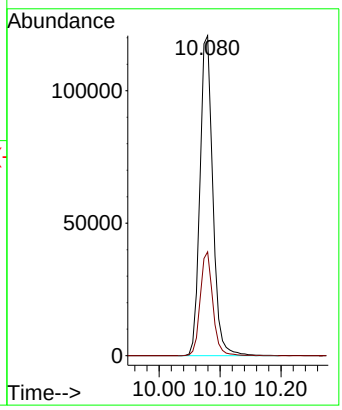


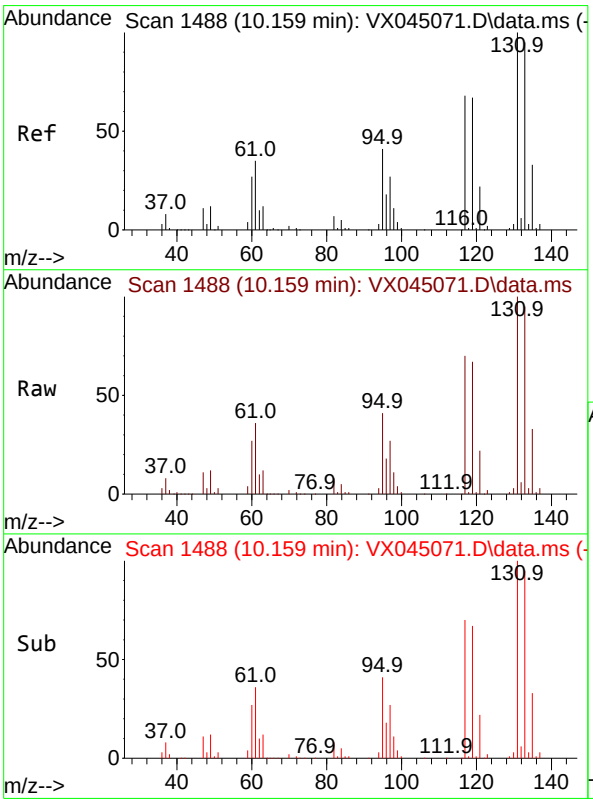
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 176922

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

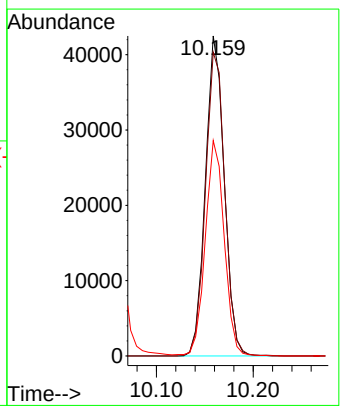


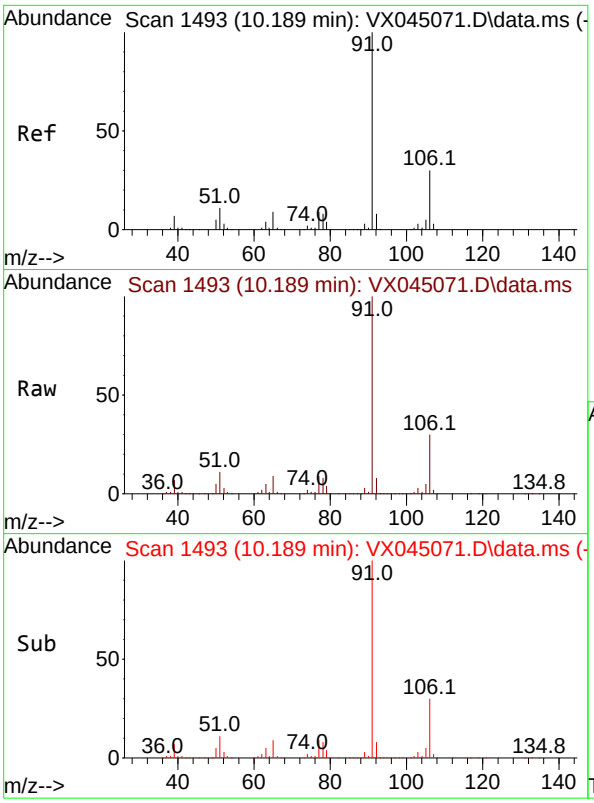


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7



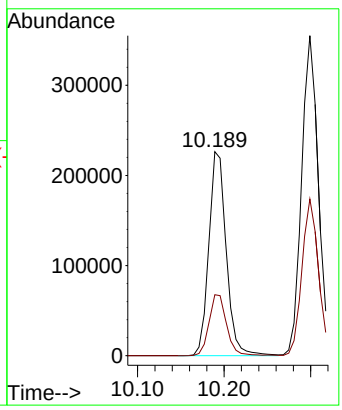


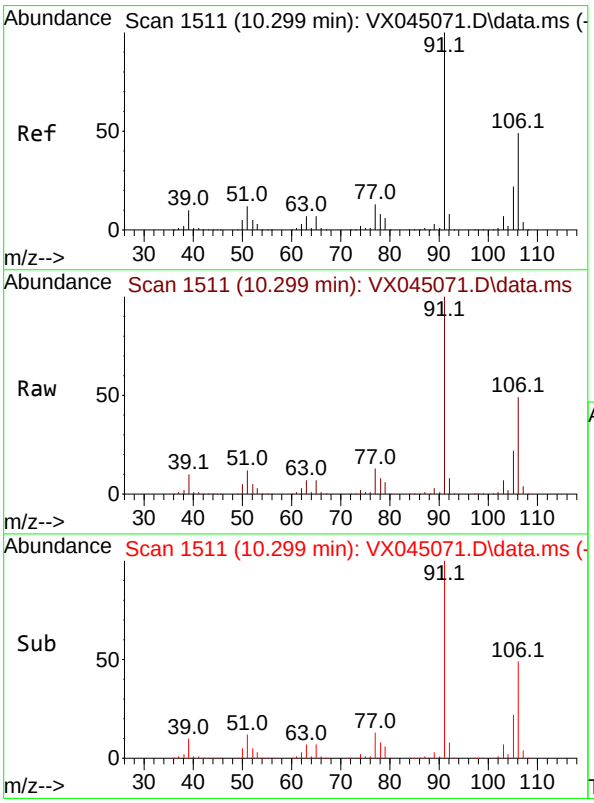
#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 316427

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

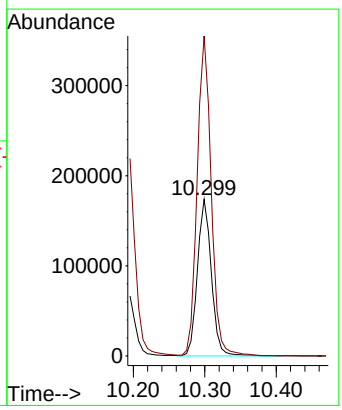


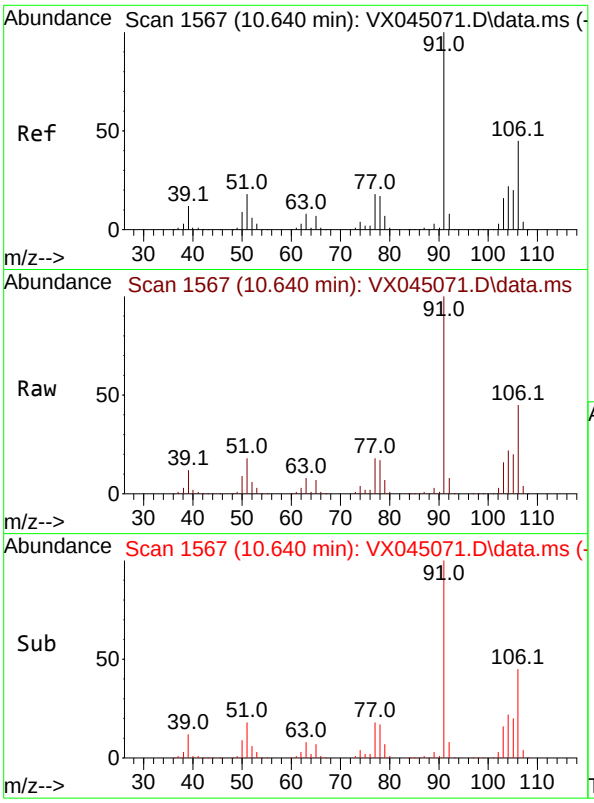


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0



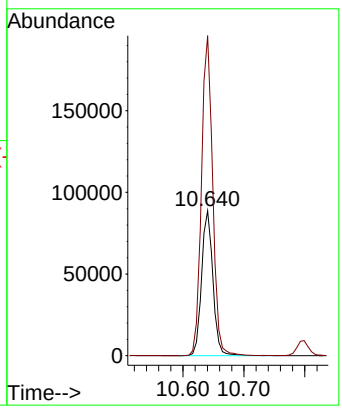


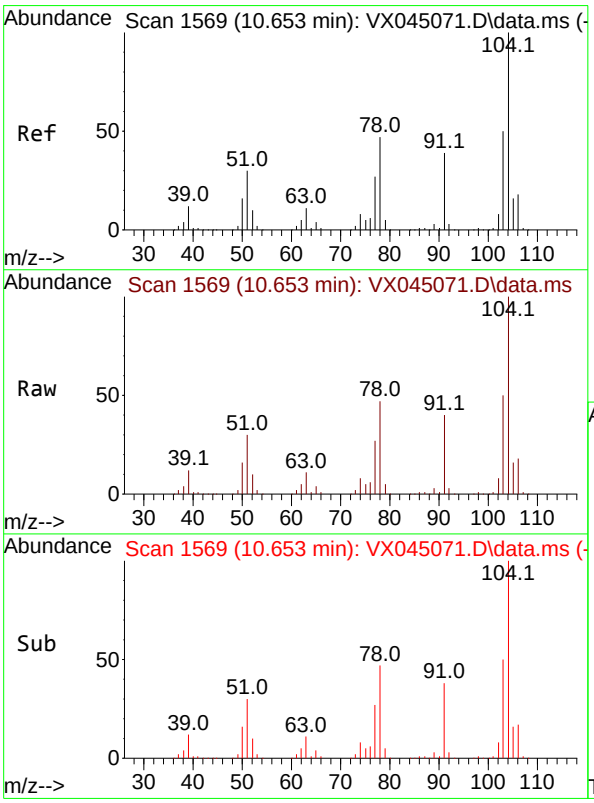
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

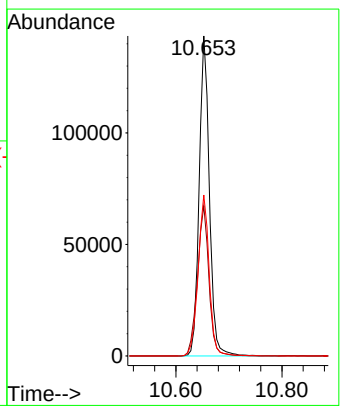


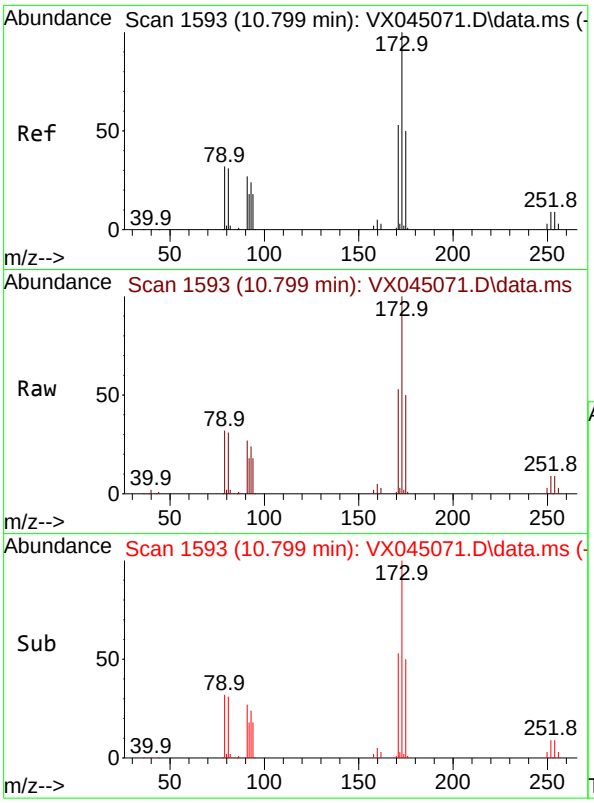


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8



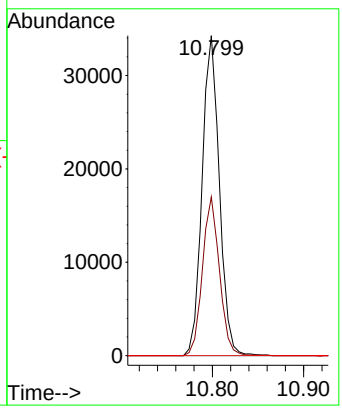


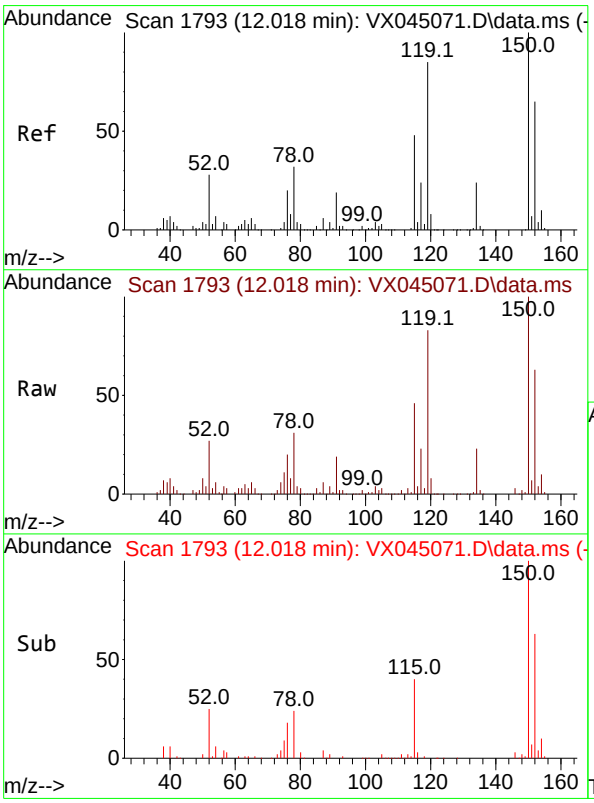
#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 44730

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0

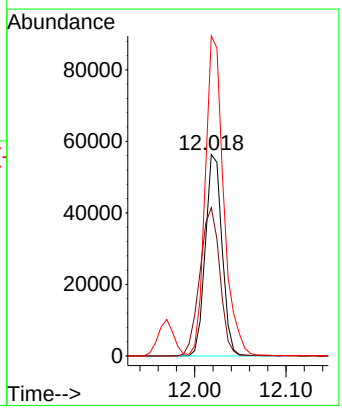


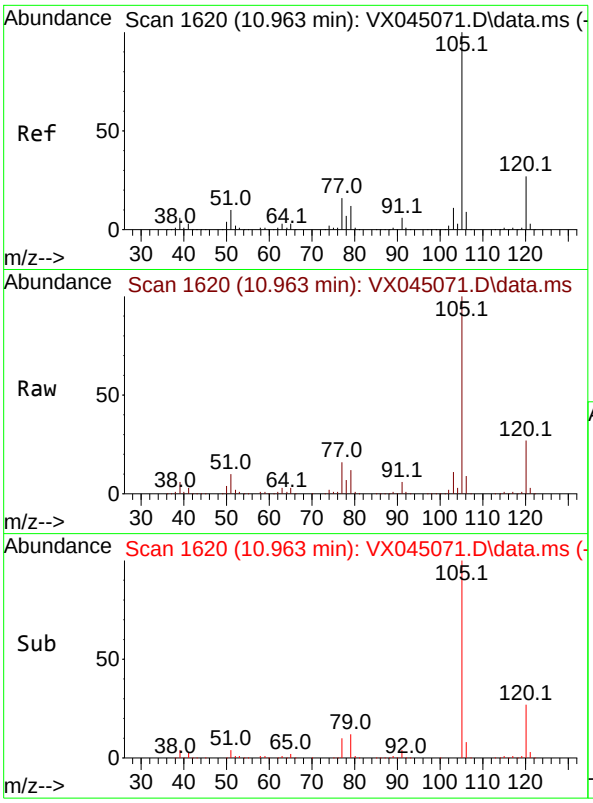


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0



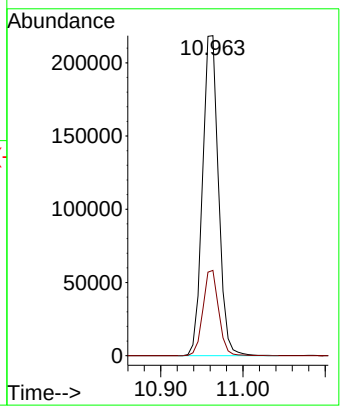


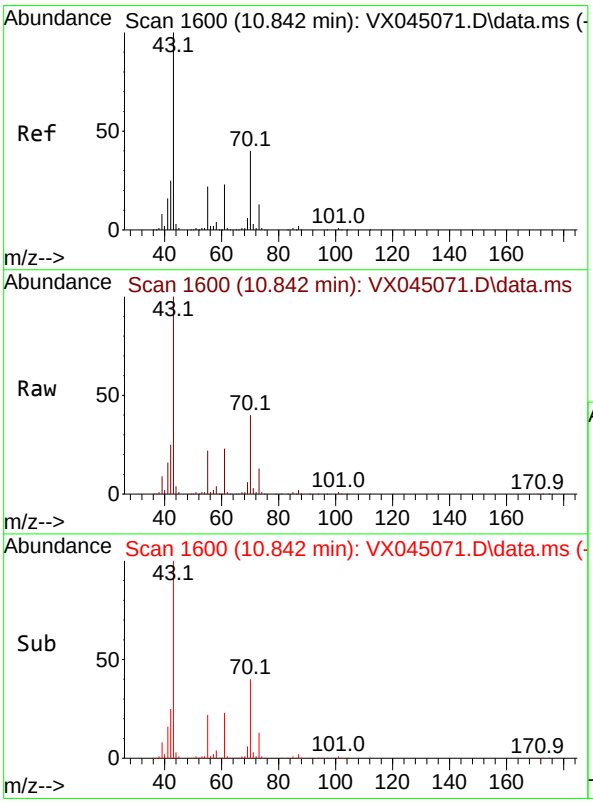
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

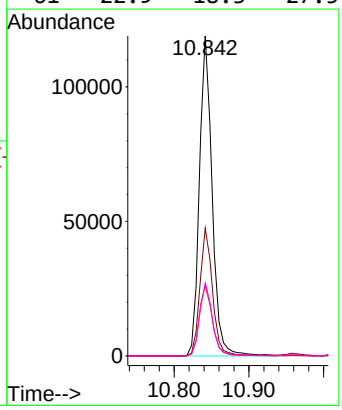


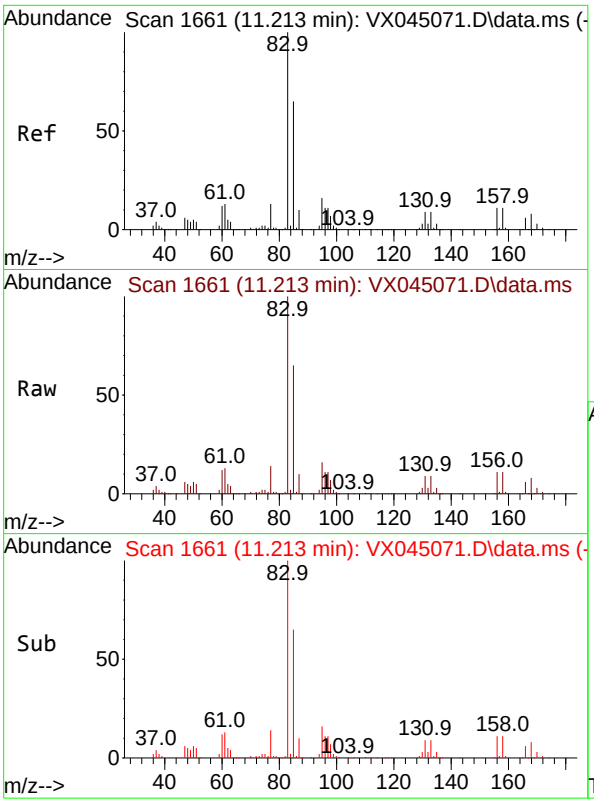


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5



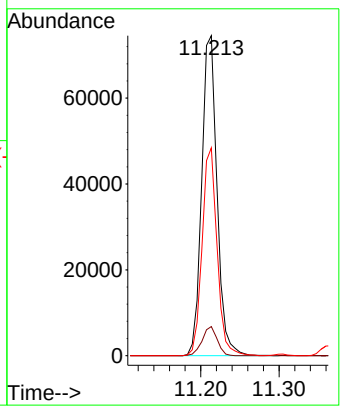


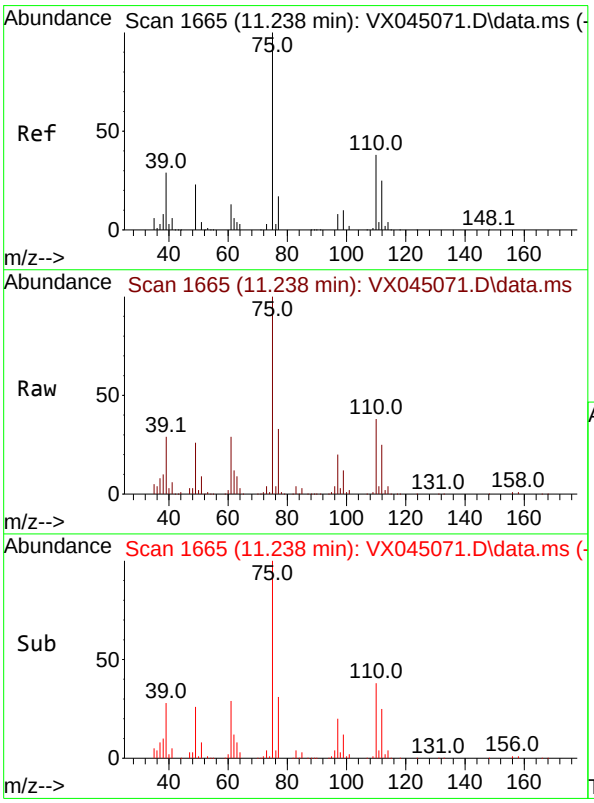
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 101089

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1

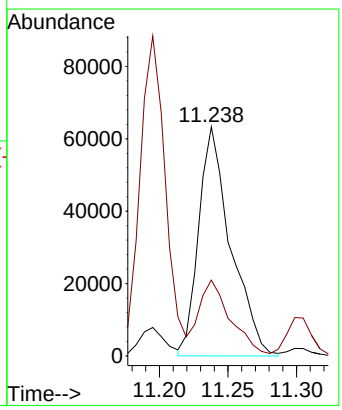


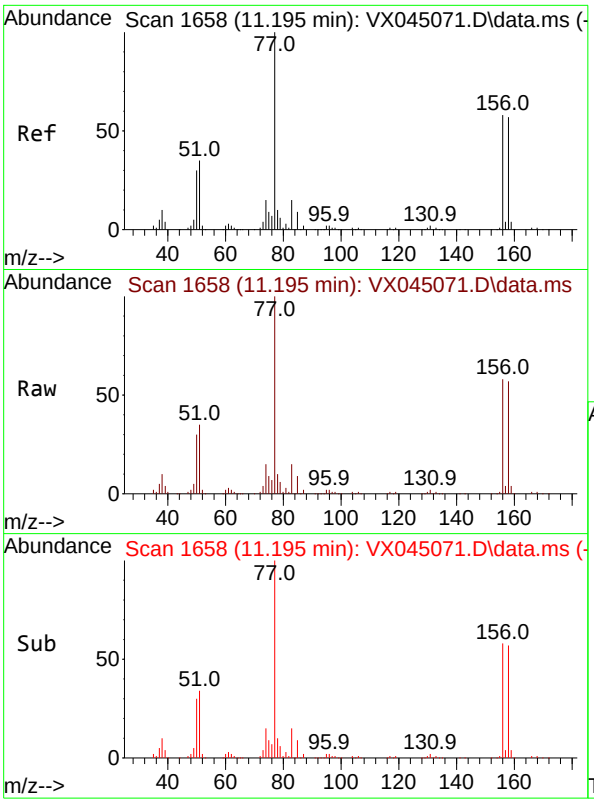


#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 103161

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.7	62.1



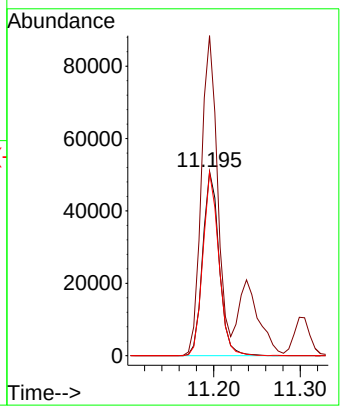


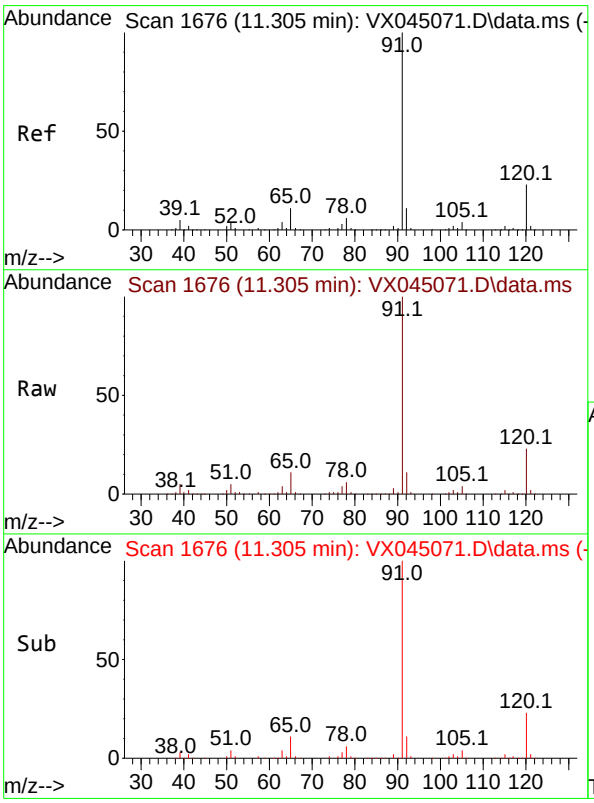
#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 66904

Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2

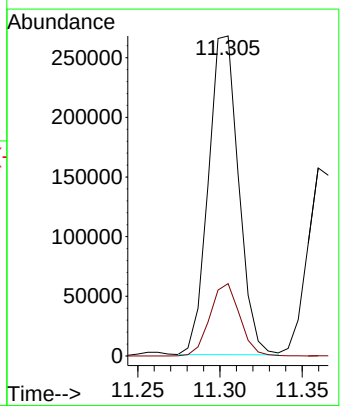


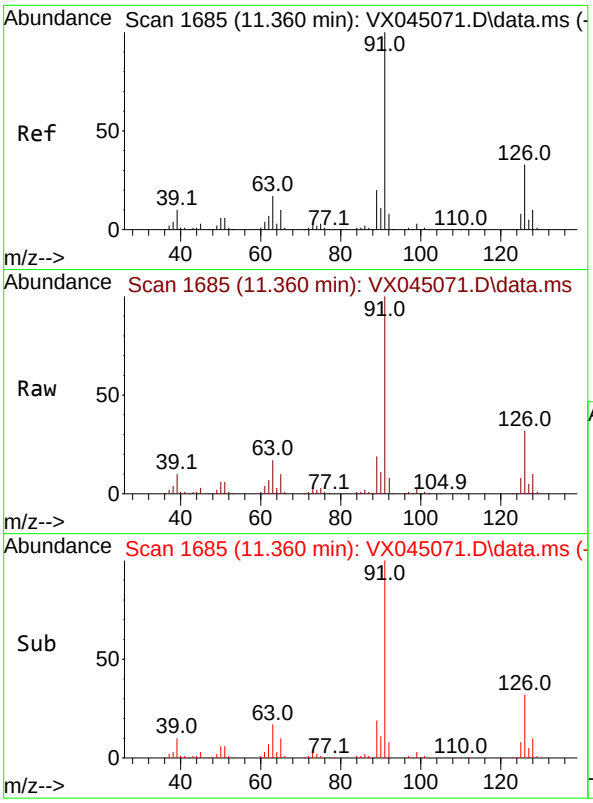


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



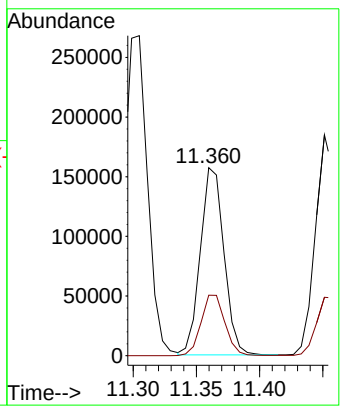


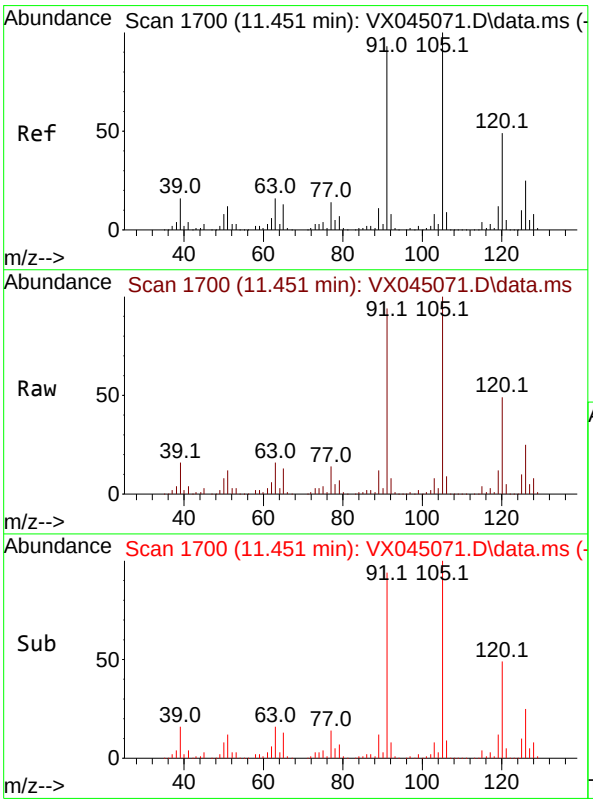
#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

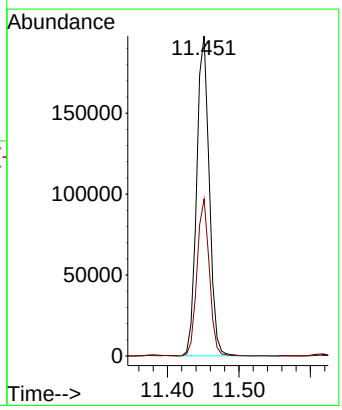


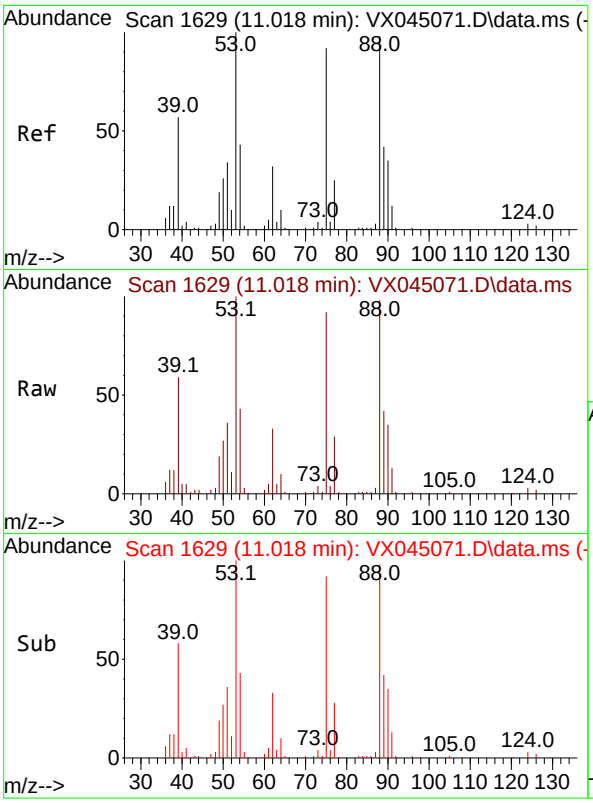


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2



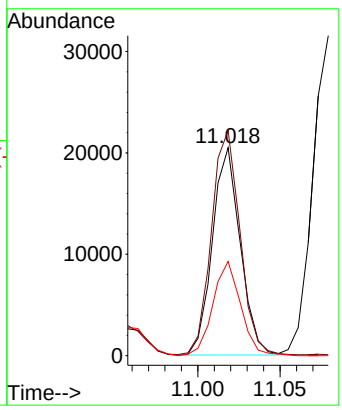


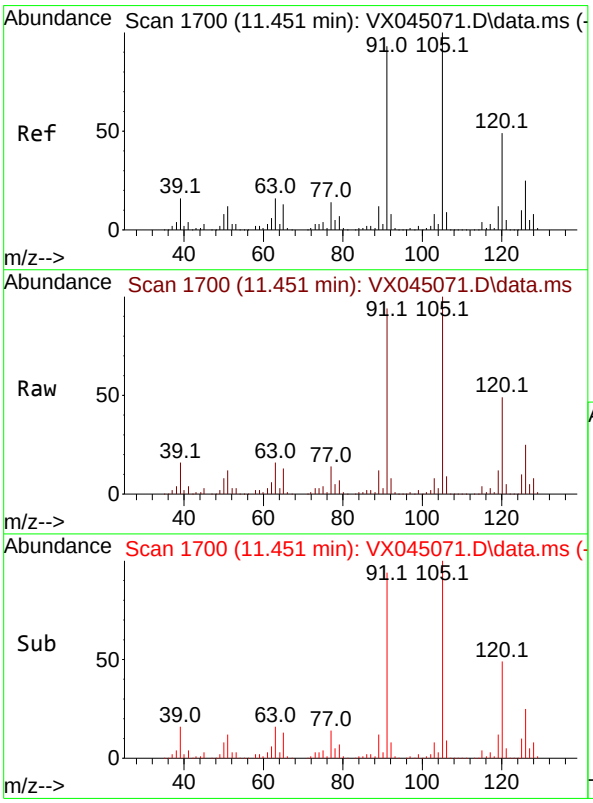
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 24135

Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

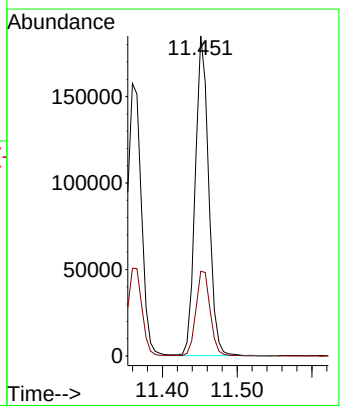


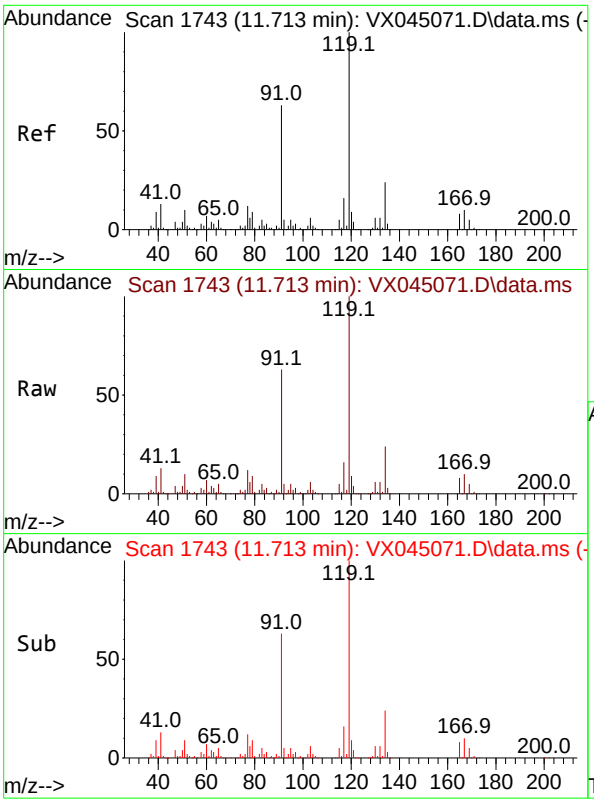


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



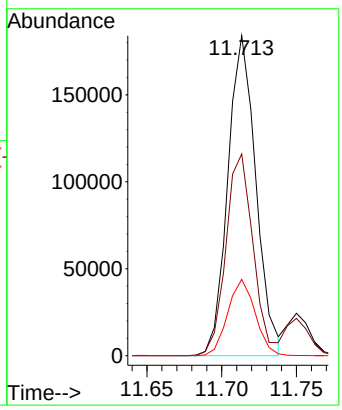


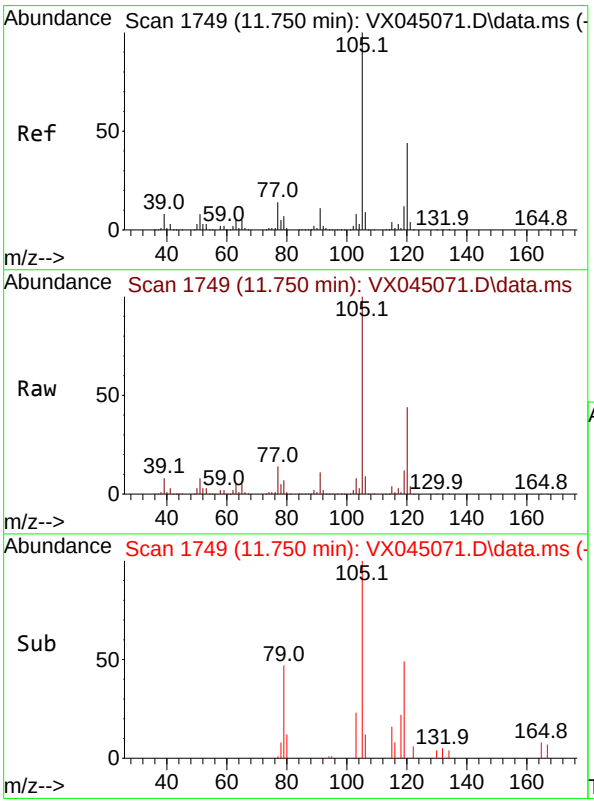
#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 240510

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0

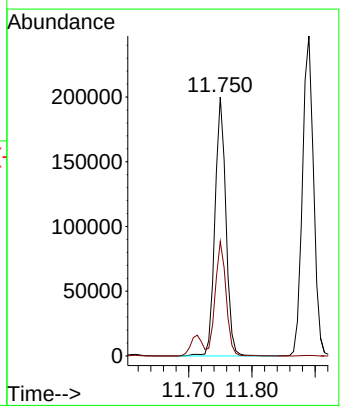


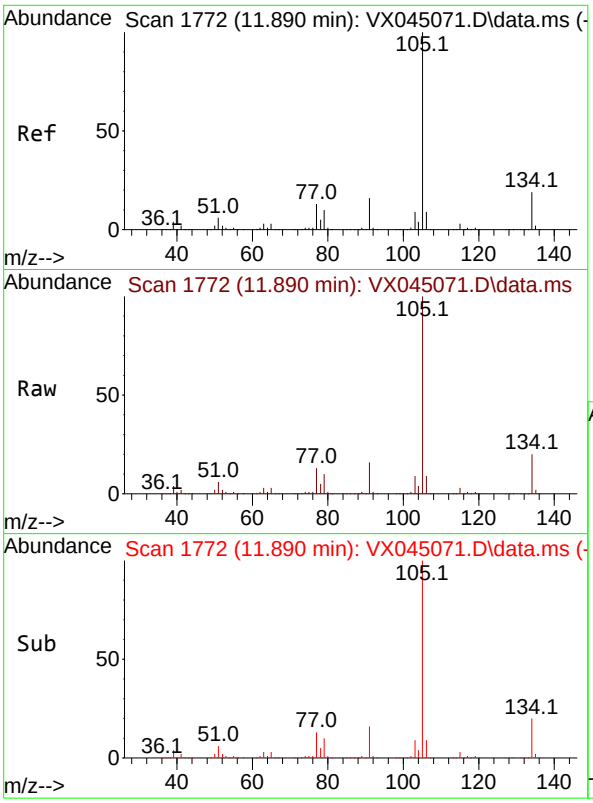


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



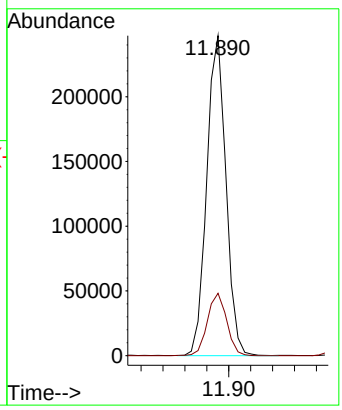


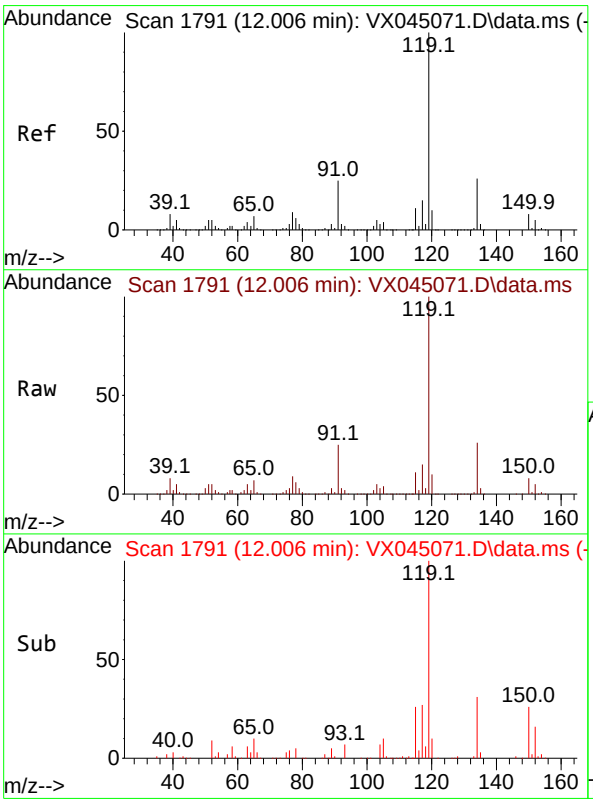
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 300393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

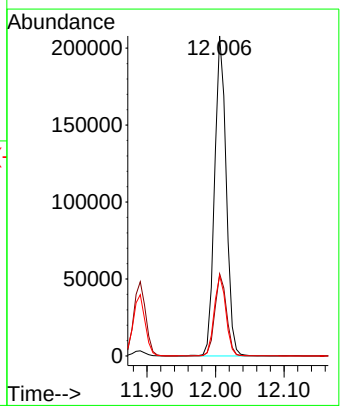


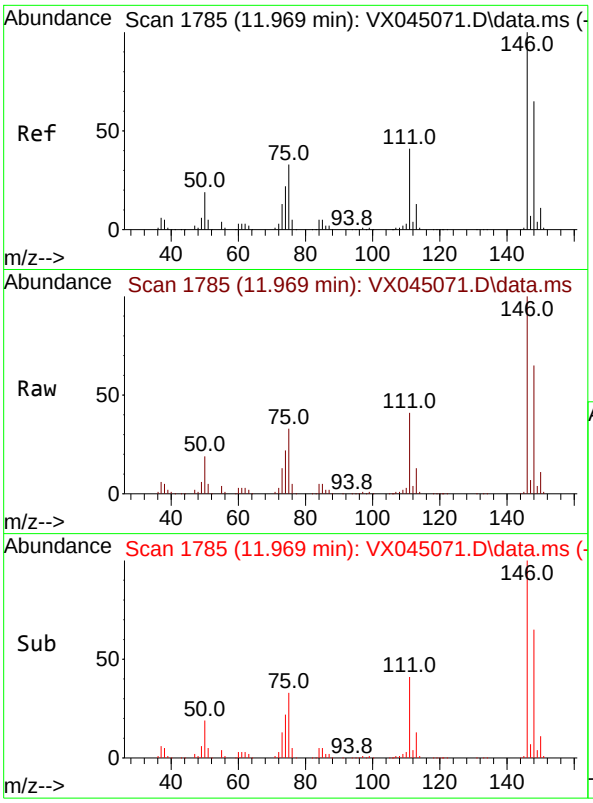


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0



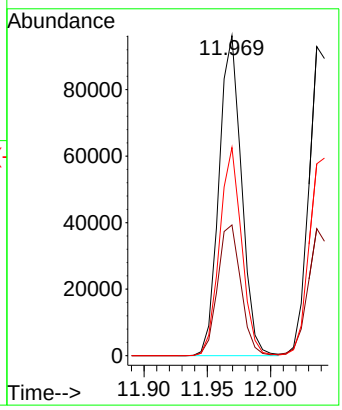


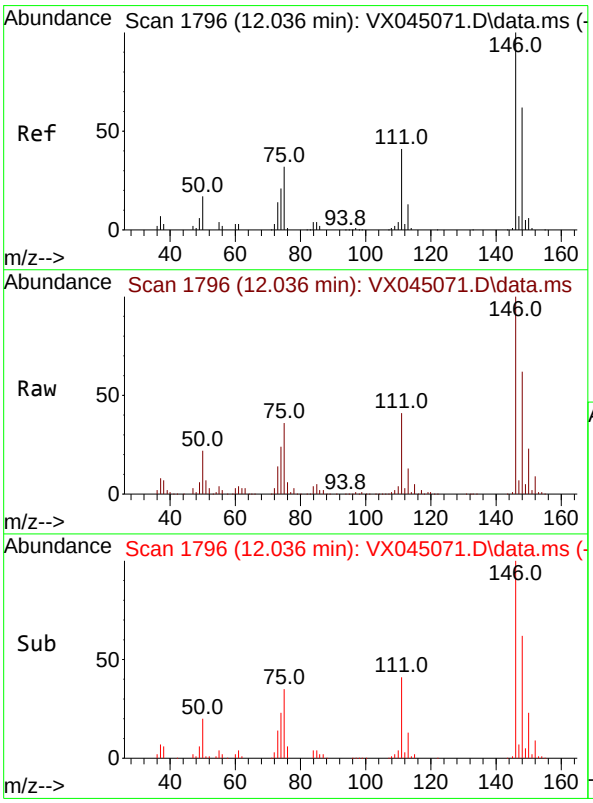
#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118879

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

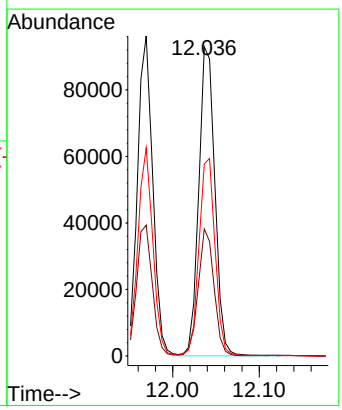


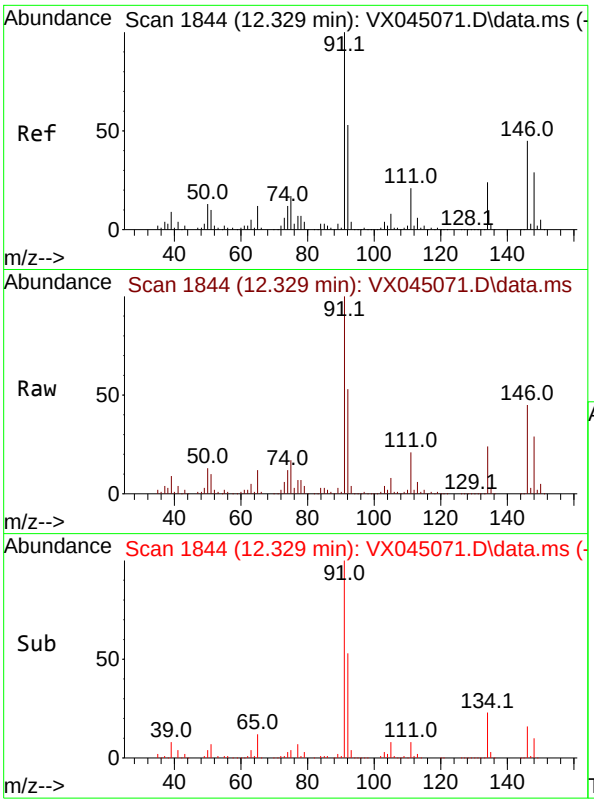


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9



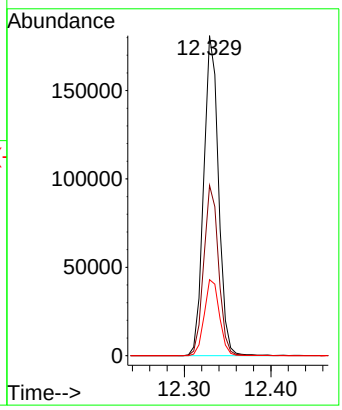


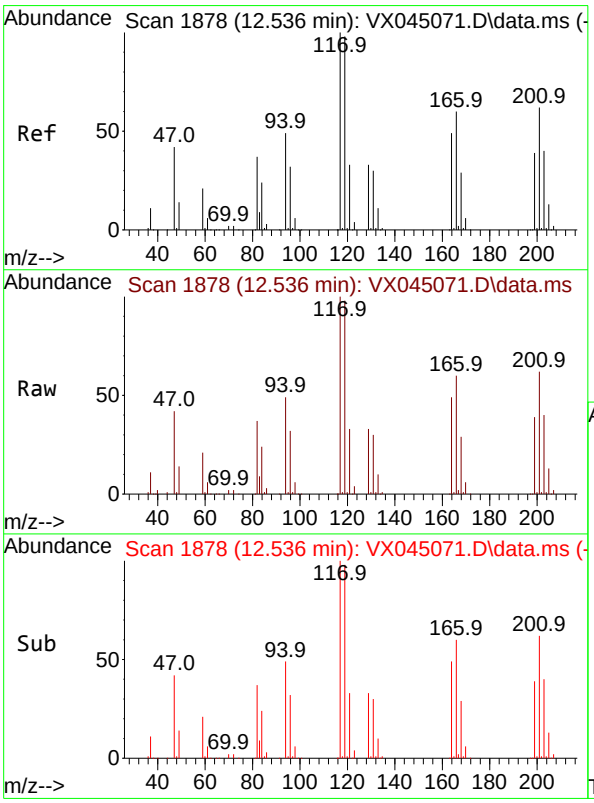
#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 214685

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6

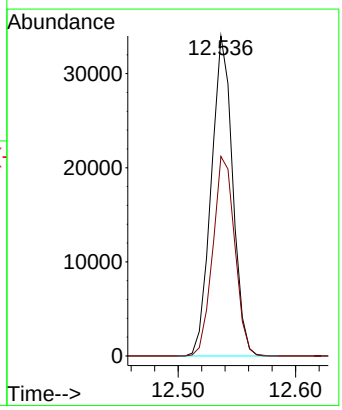


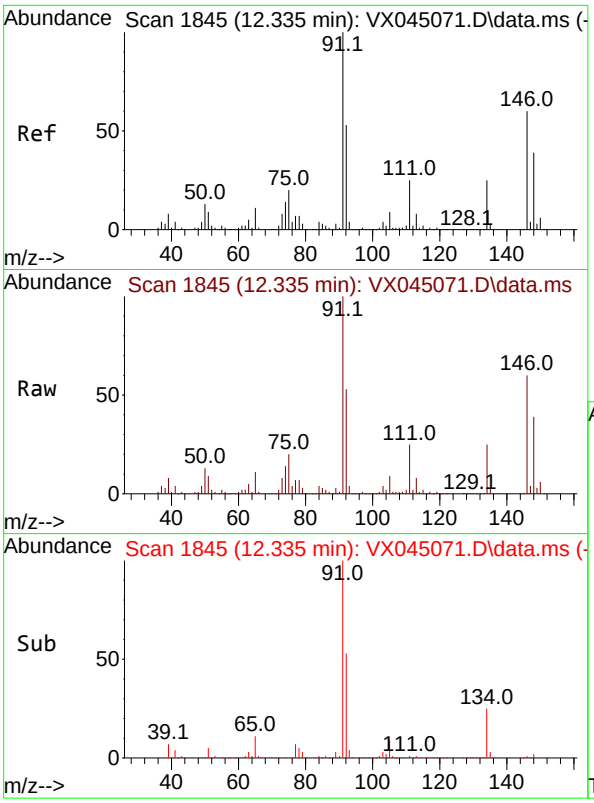


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9



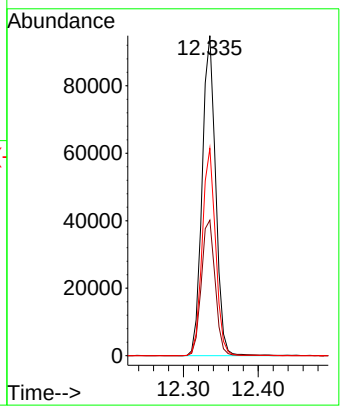


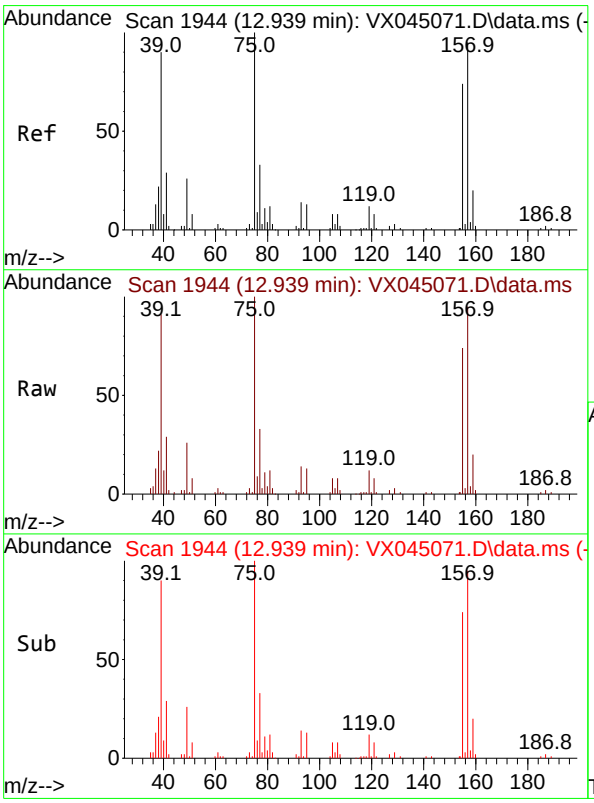
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118896

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9

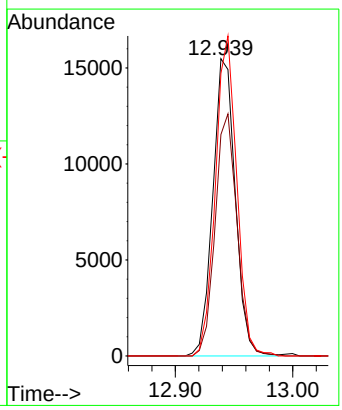


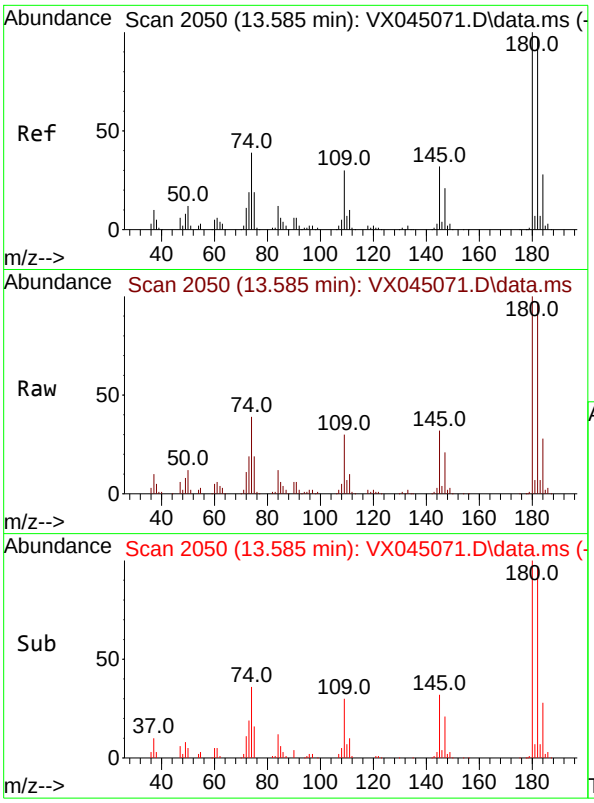


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4



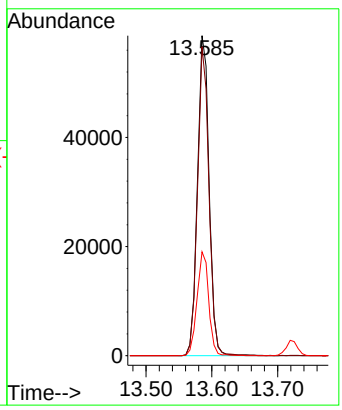


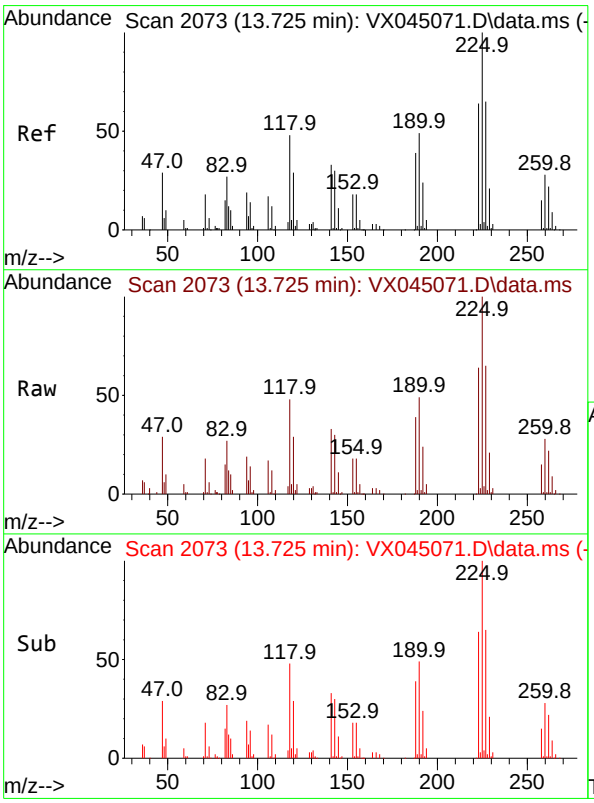
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 71897

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

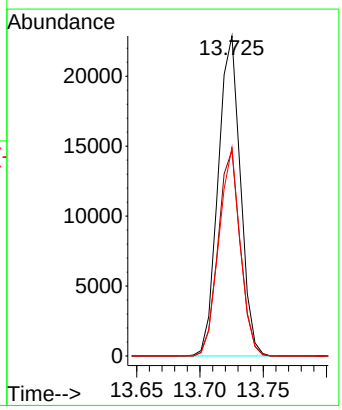


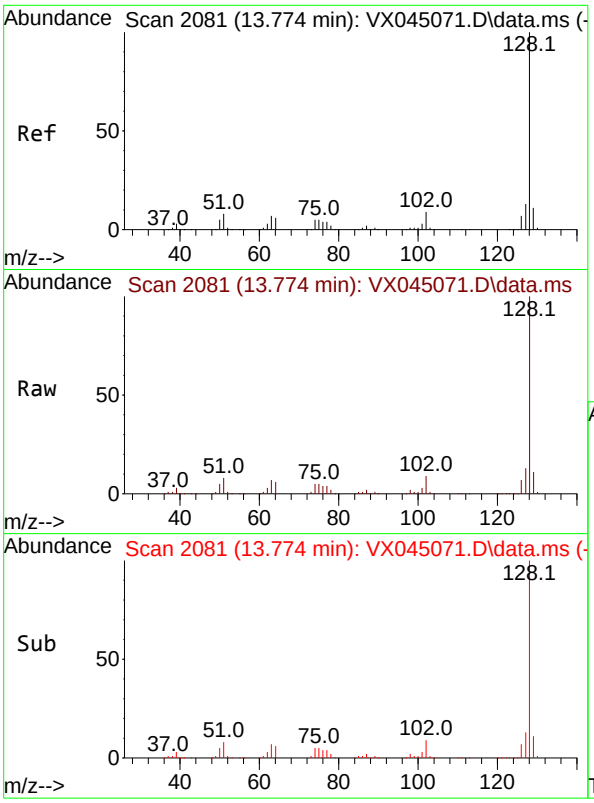


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0



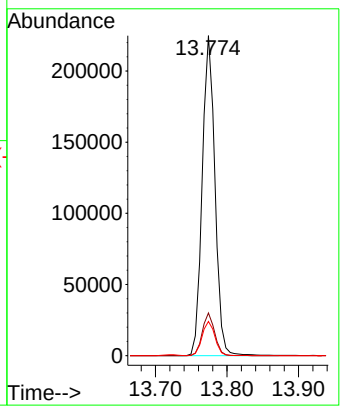


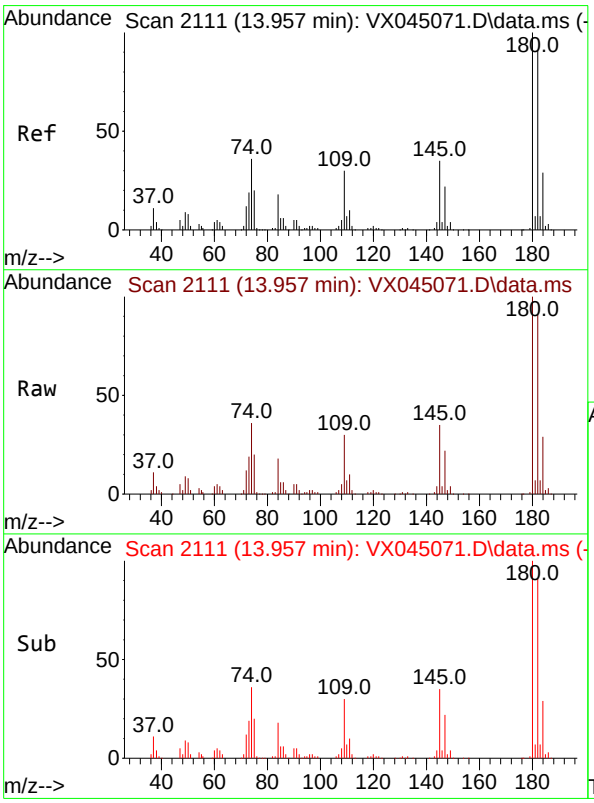
#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 278086

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

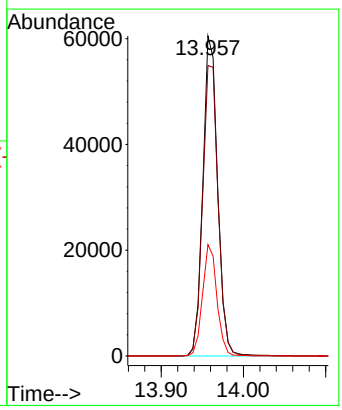




#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l	99
44) Trichloroethene	7.122	130	128124	105.402 ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l	100
46) Dibromomethane	7.580	93	97248	105.329 ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l	99
52) Toluene	8.714	92	316349	100.178 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l	99
69) o-Xylene	10.640	106	213835	100.849 ug/l	99
70) Styrene	10.652	104	357649	104.948 ug/l	99
71) Bromoform	10.799	173	90800	116.751 ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	203020	131.738 ug/l	86
77) Bromobenzene	11.195	156	125700	99.175 ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l	99
95) Naphthalene	13.774	128	565250	112.593 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

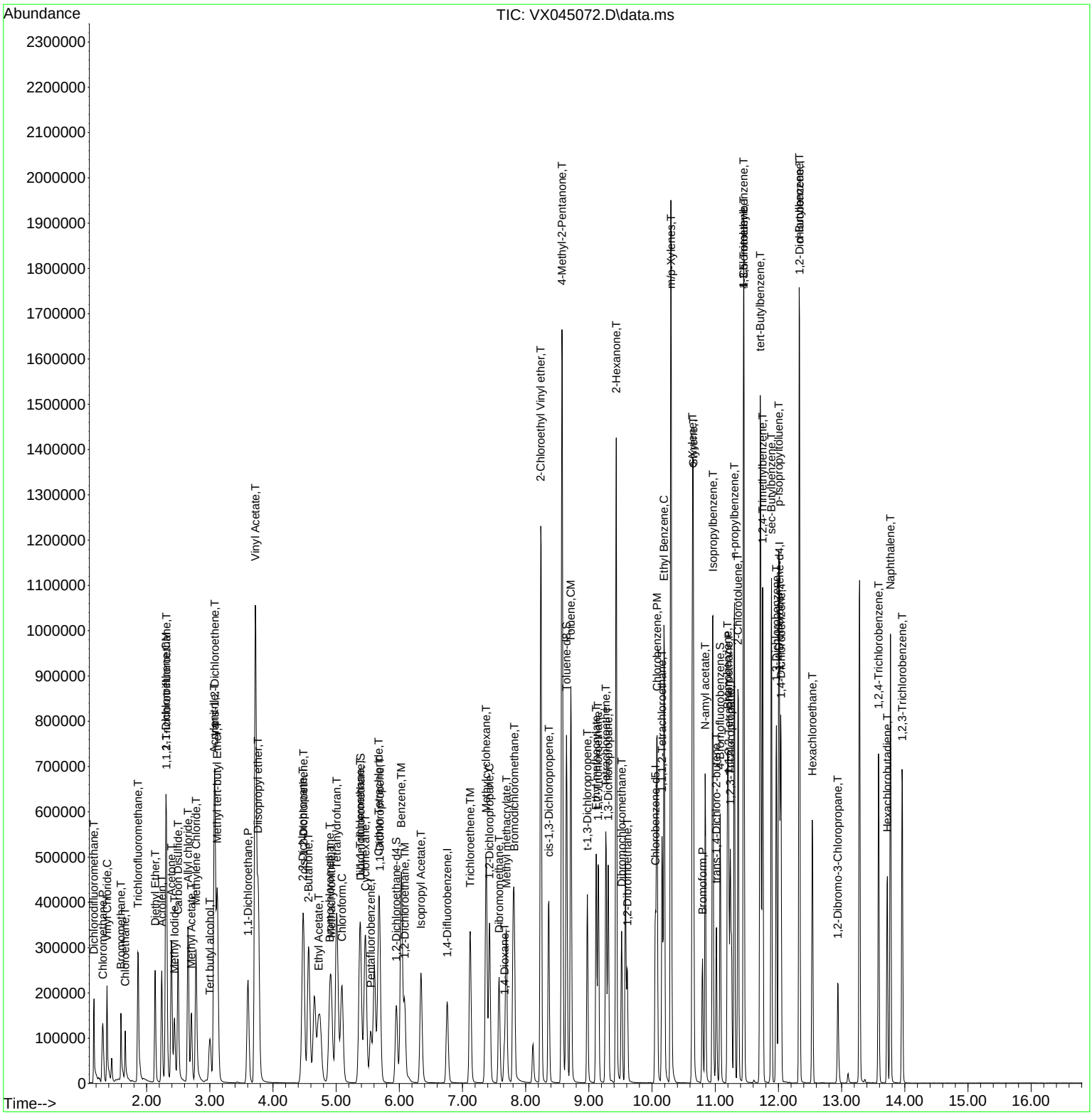
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

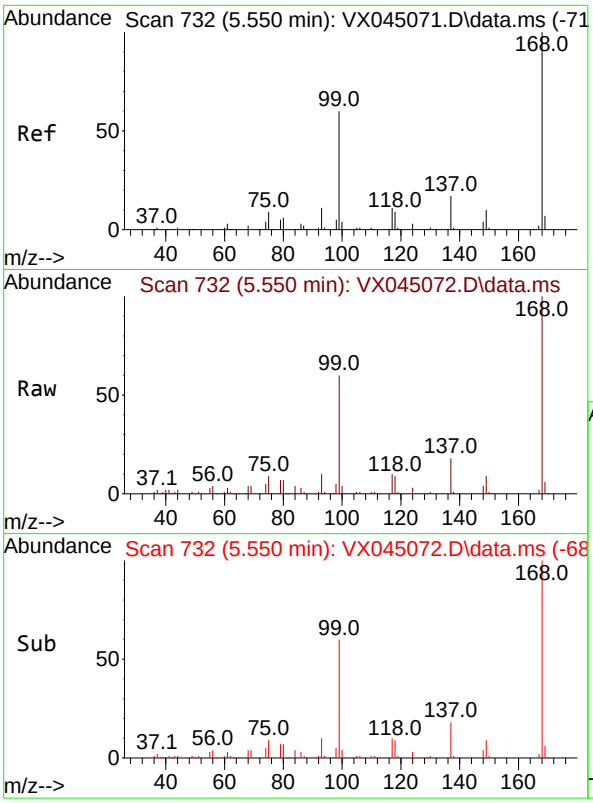
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



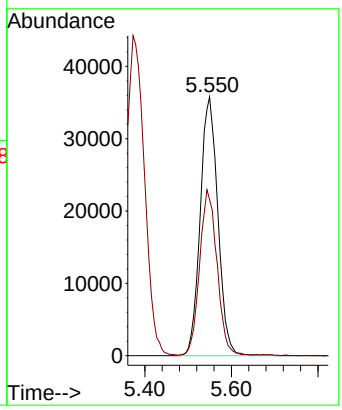


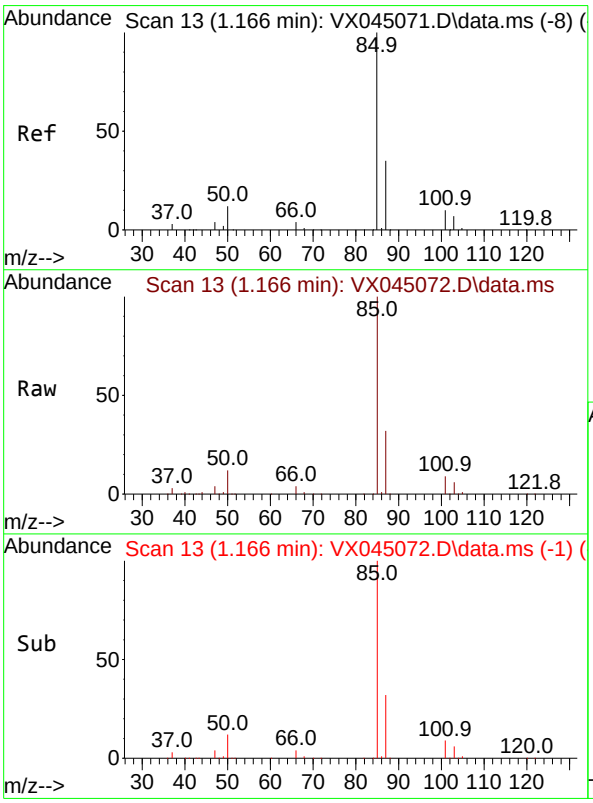
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4

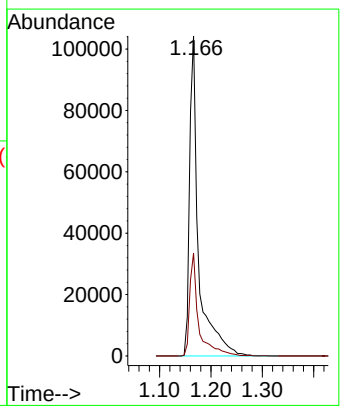


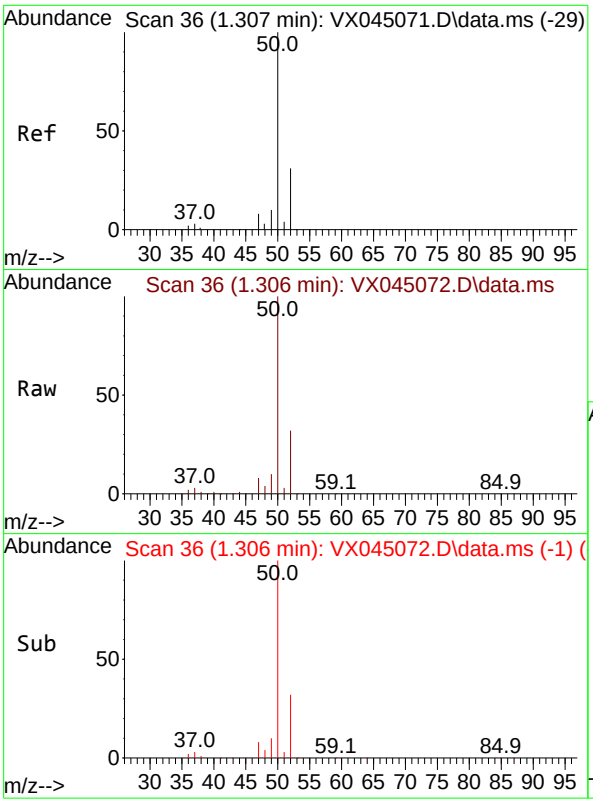


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



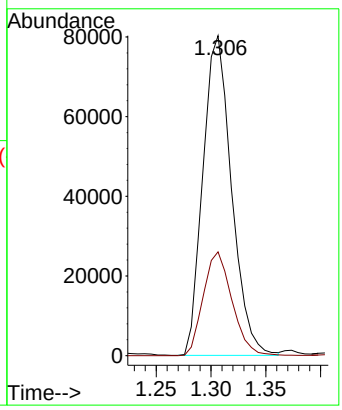


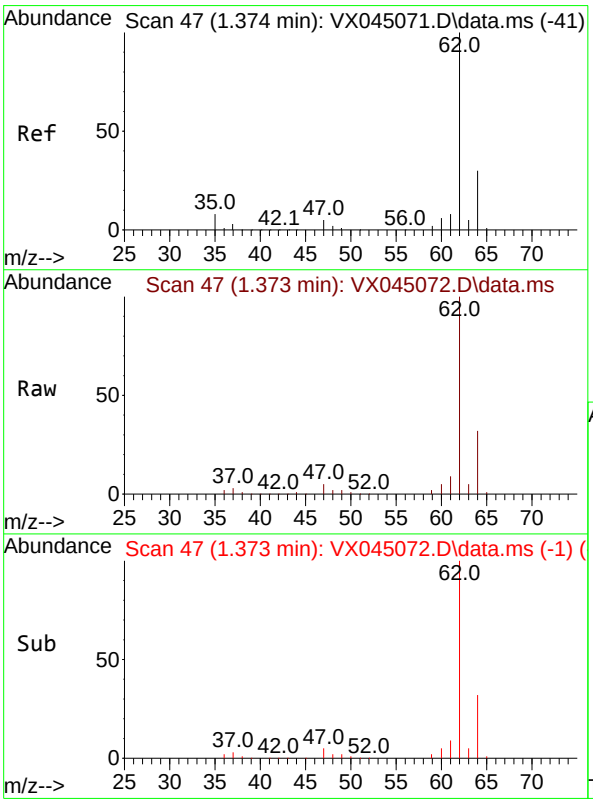
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

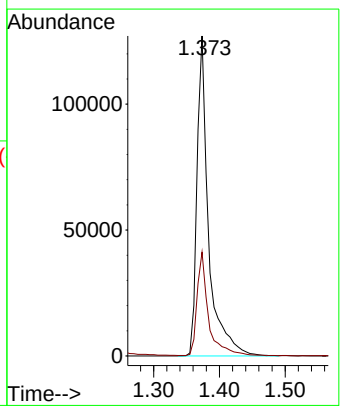


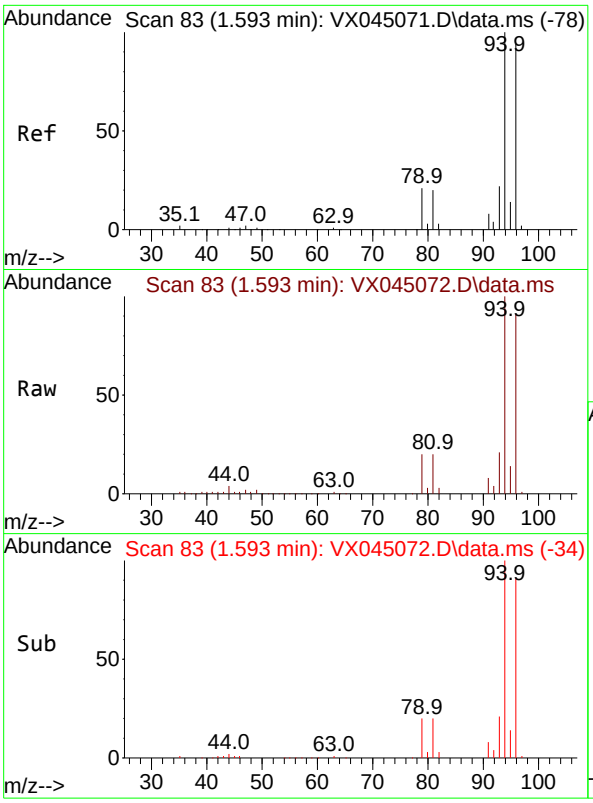


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5



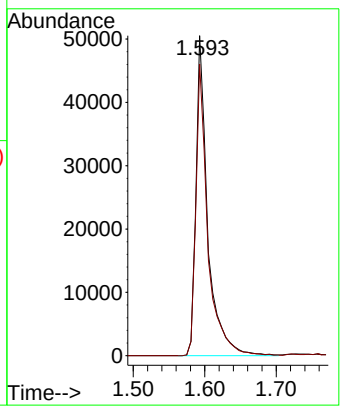


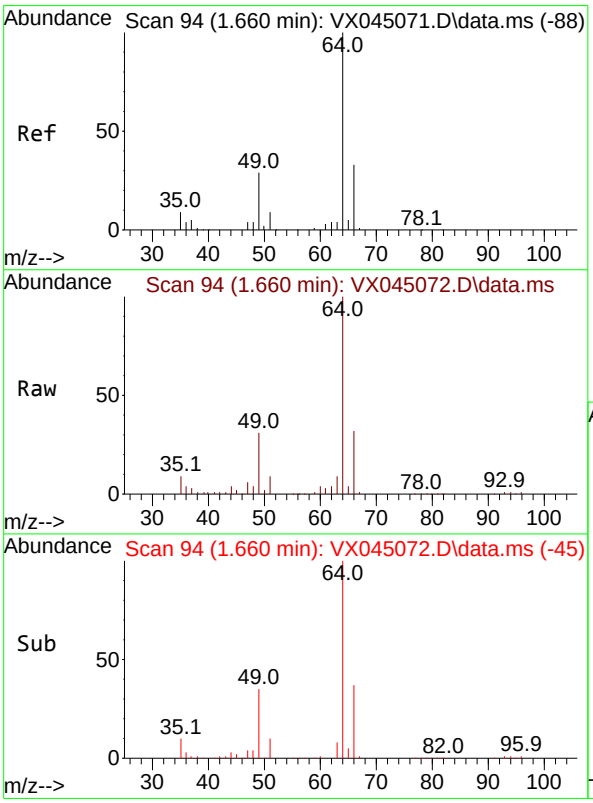
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57503

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

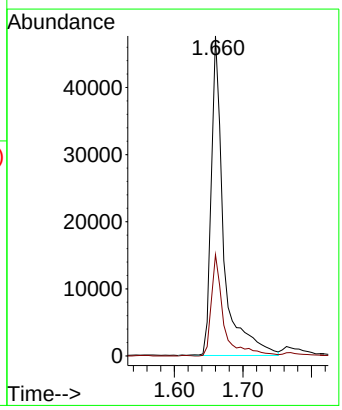


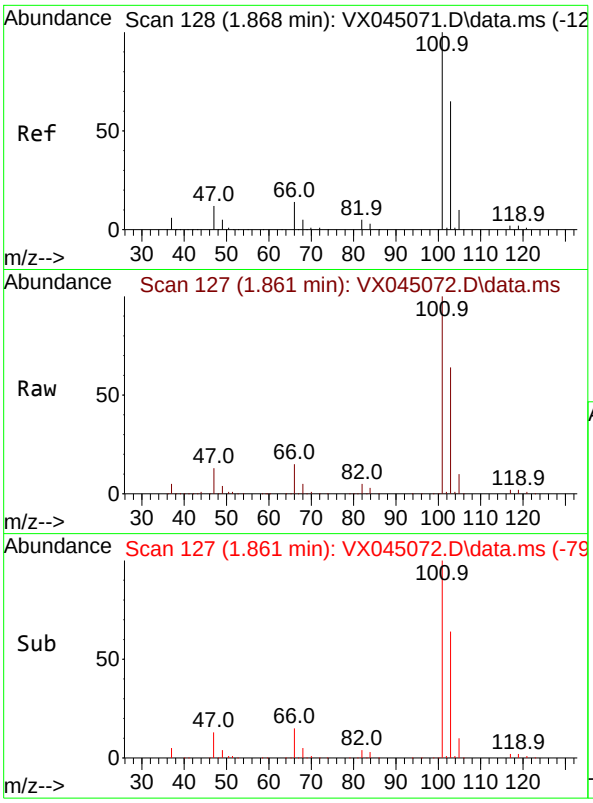


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1



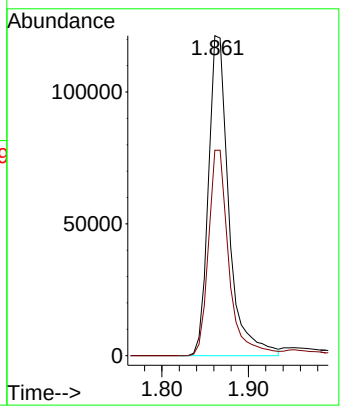


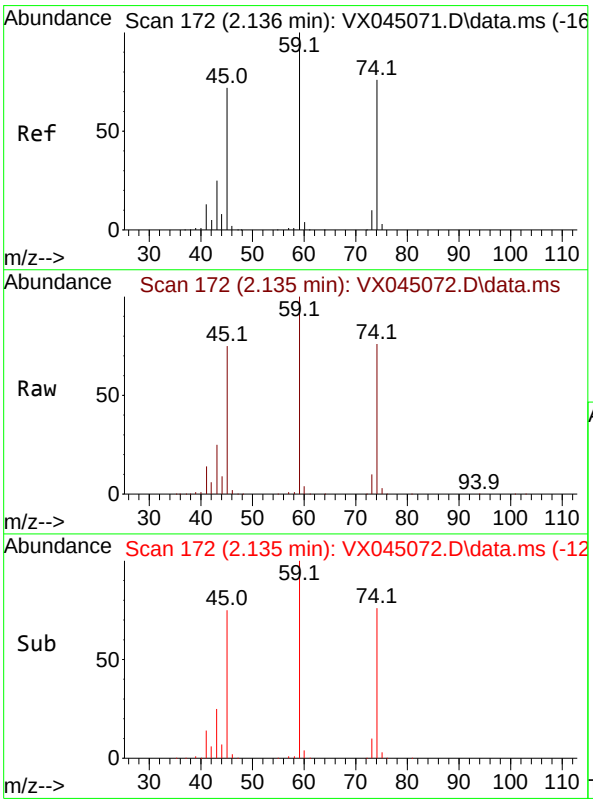
#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198701

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

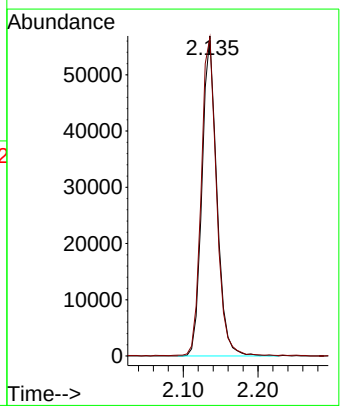


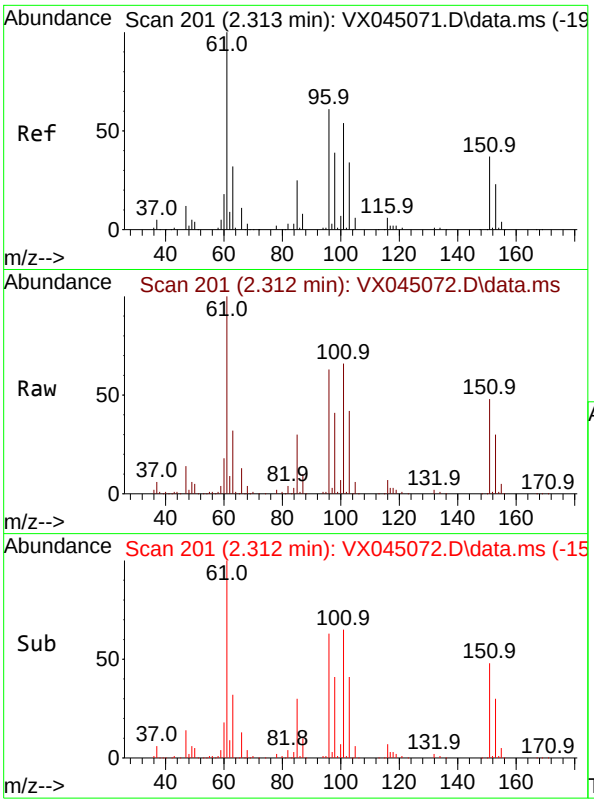


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5



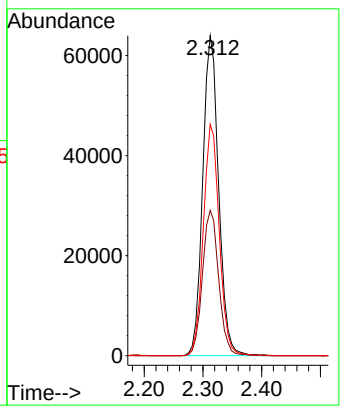


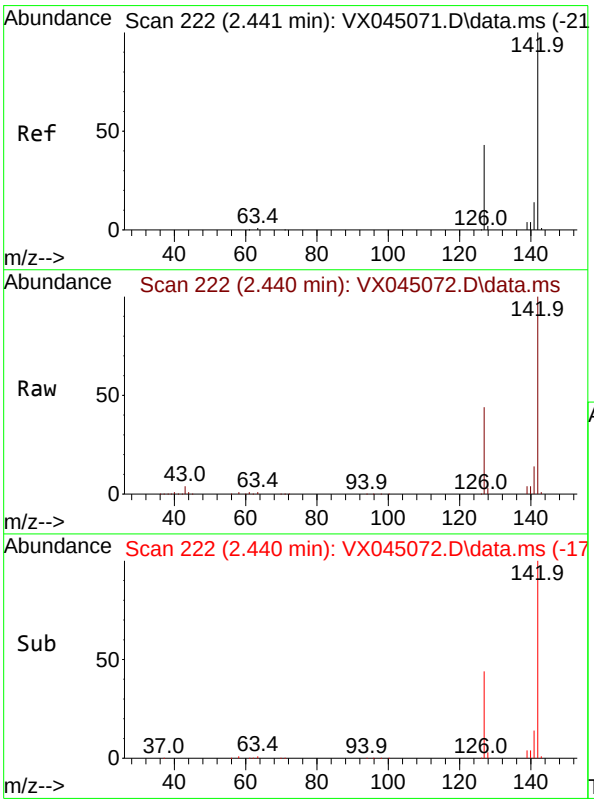
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 120518

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

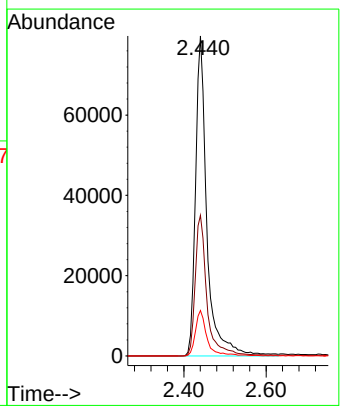


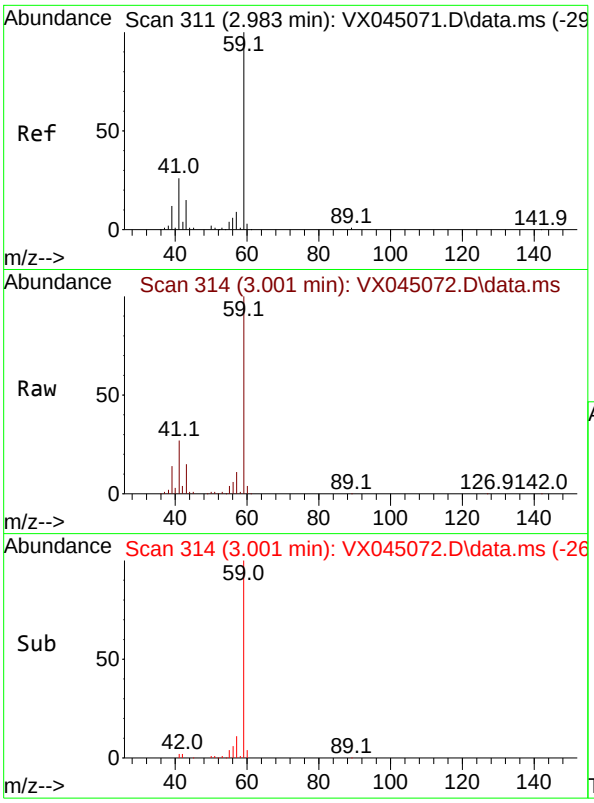


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4



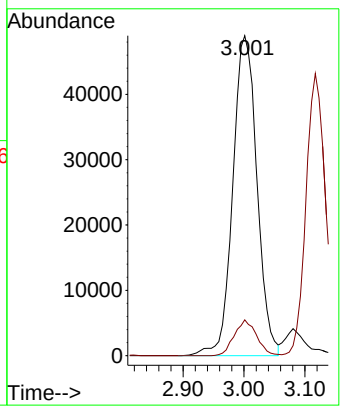


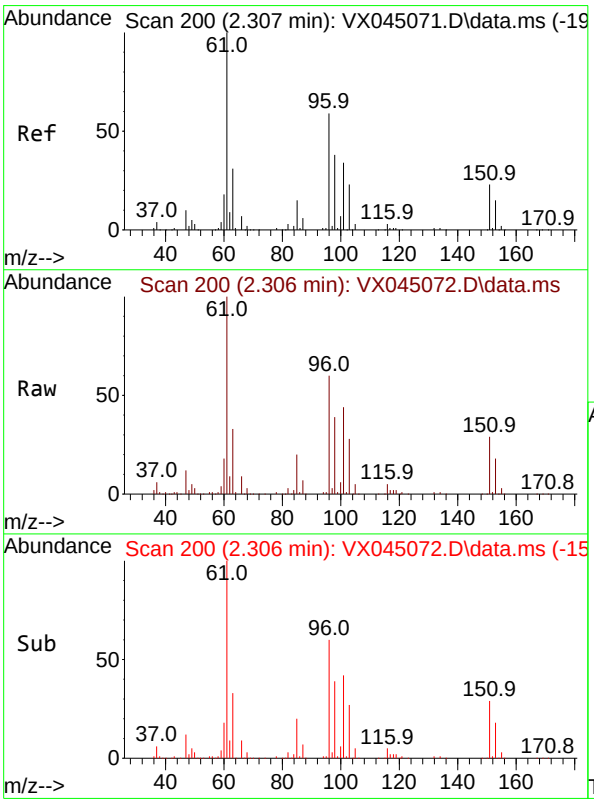
#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 135016

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

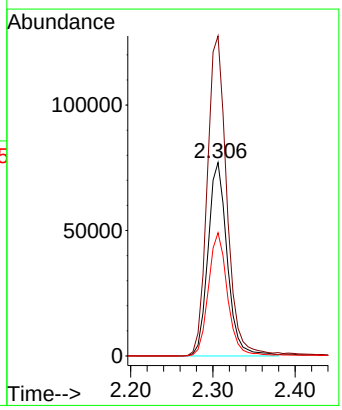


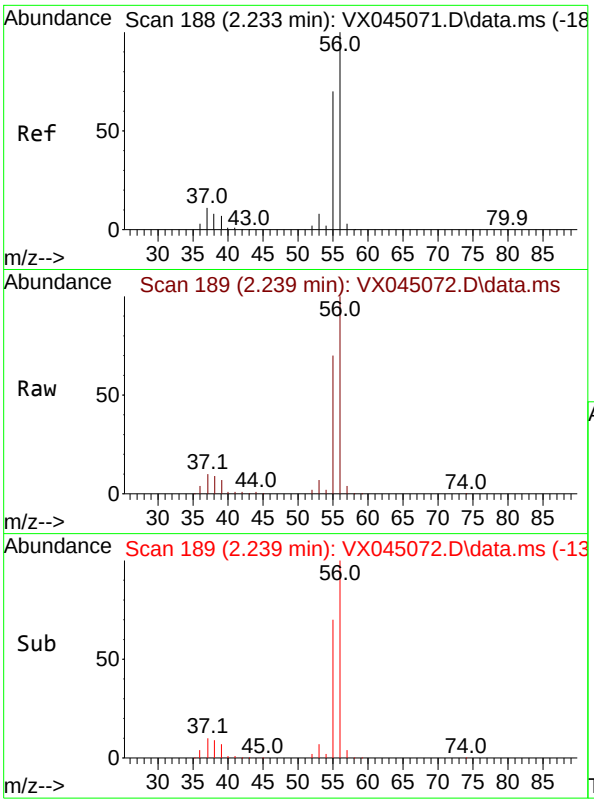


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6



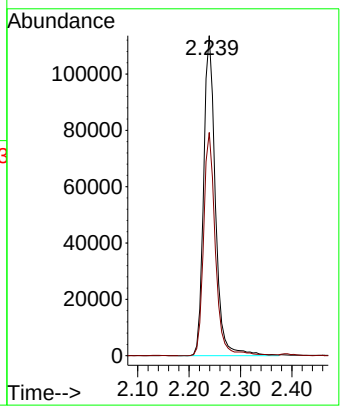


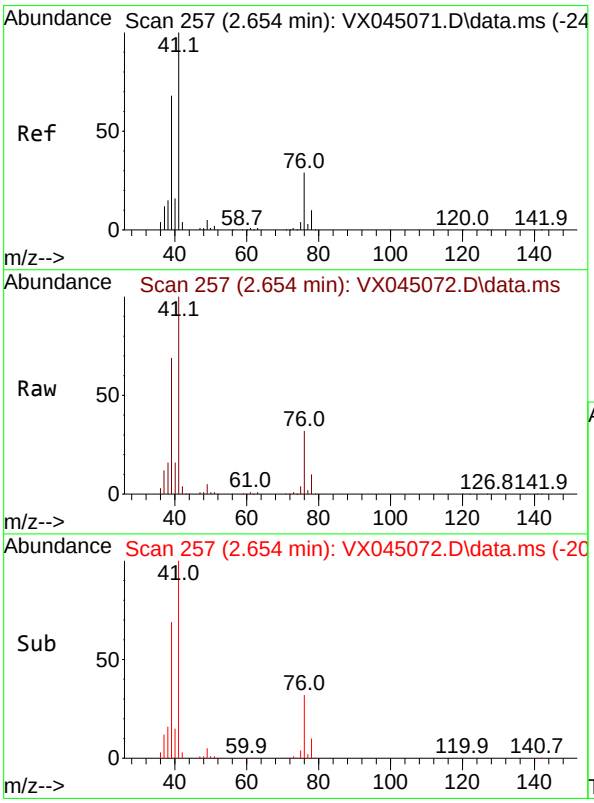
#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180411

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

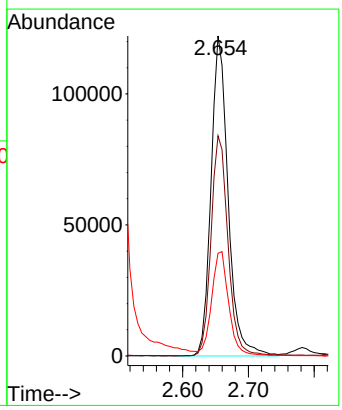


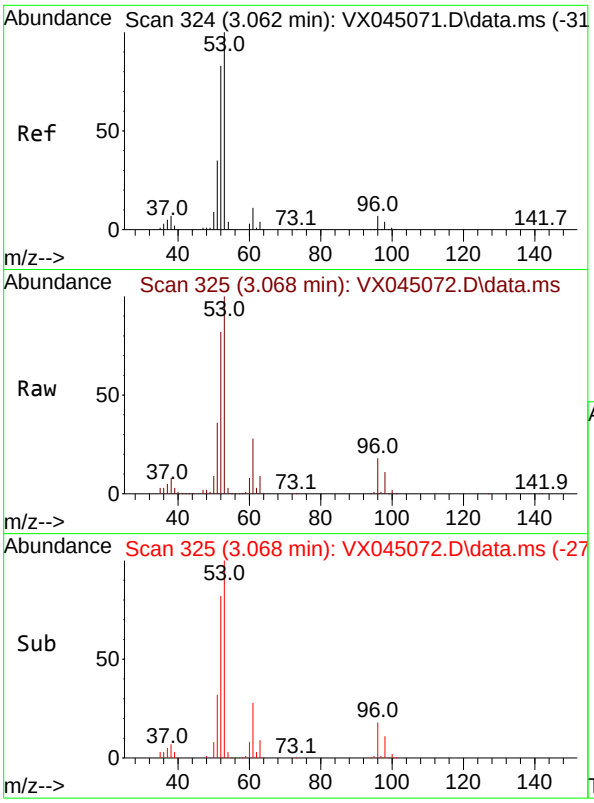


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8



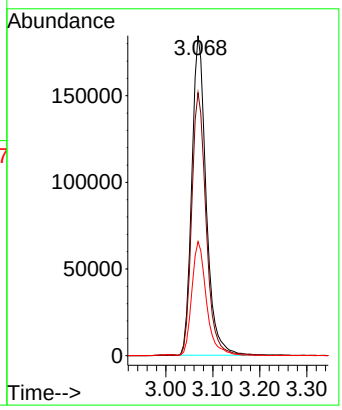


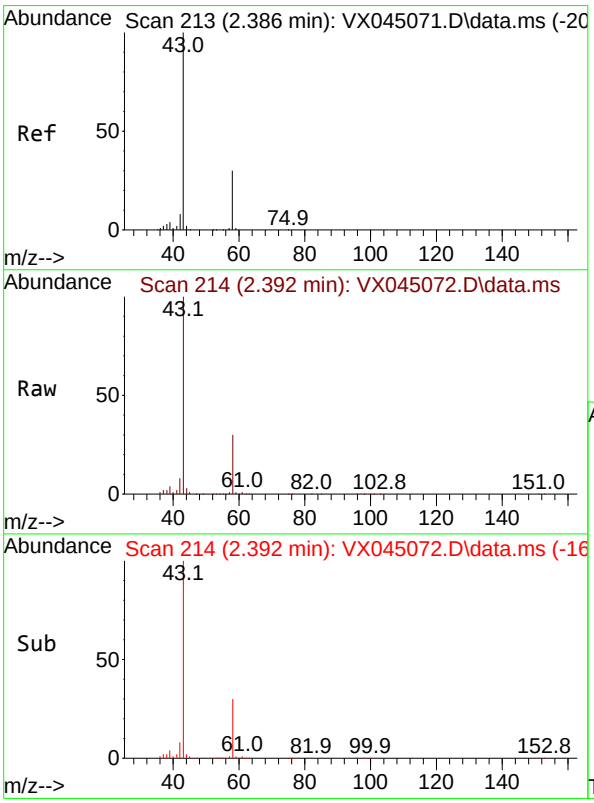
#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 391946

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4

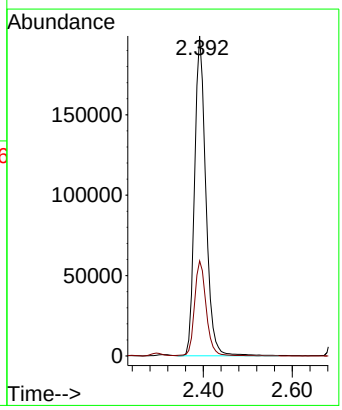


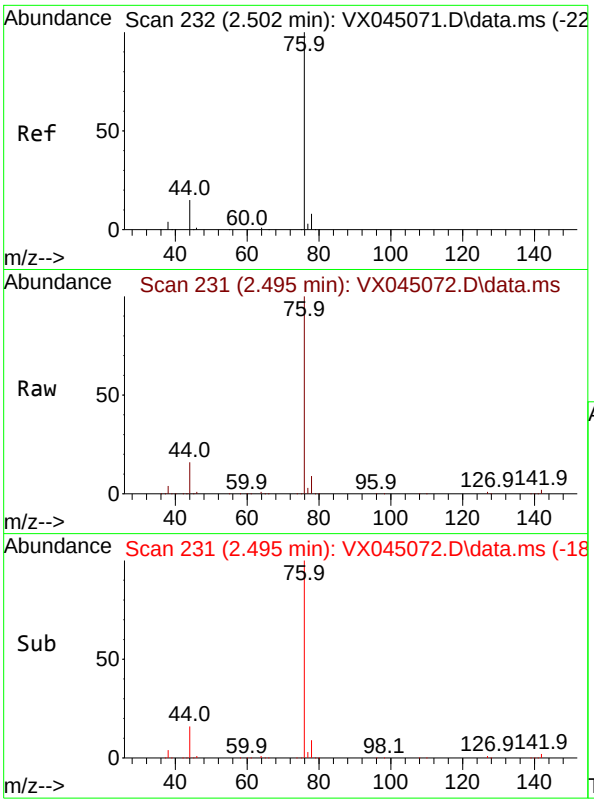


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



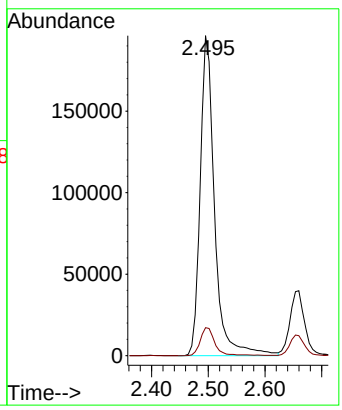


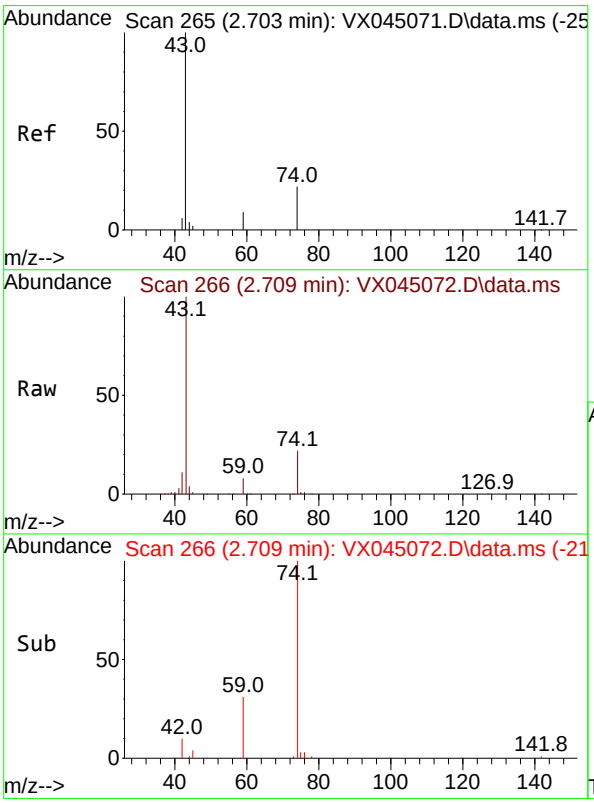
#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

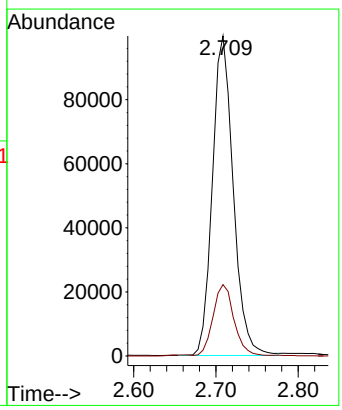


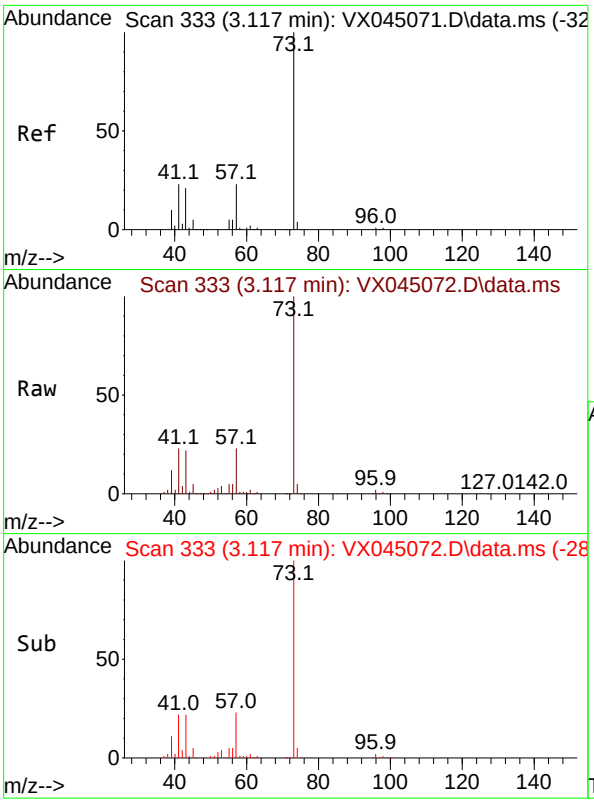


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



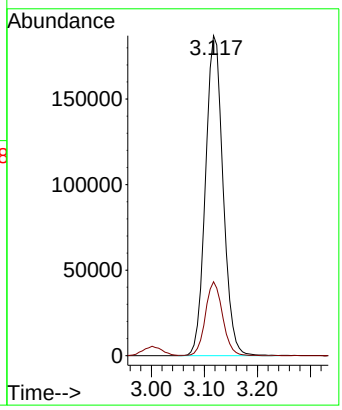


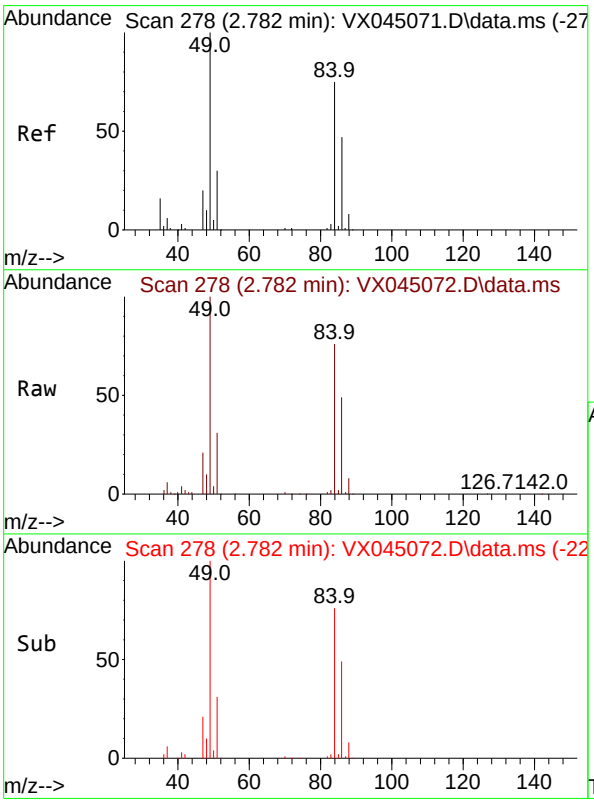
#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 431413

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

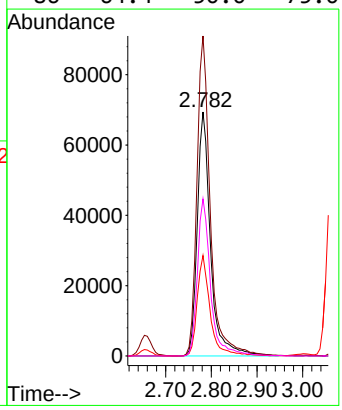


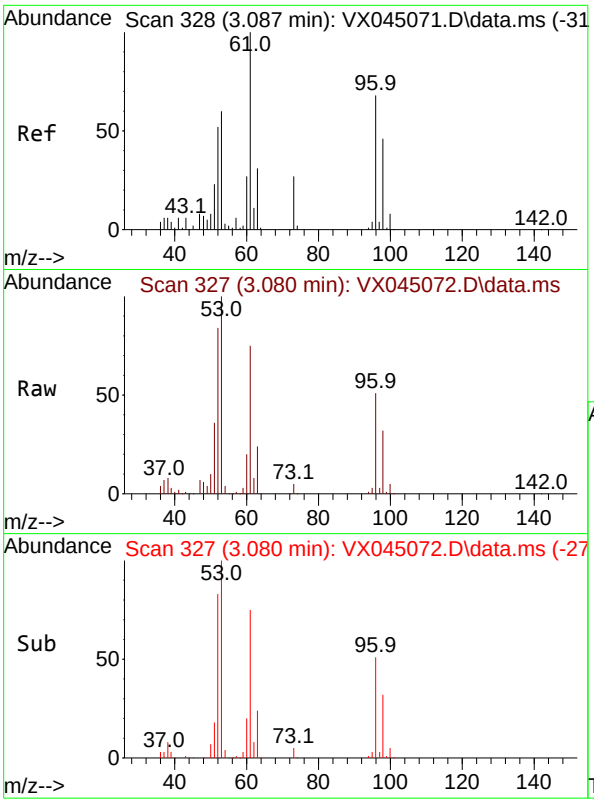


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0



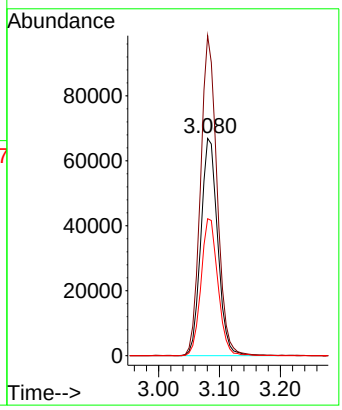


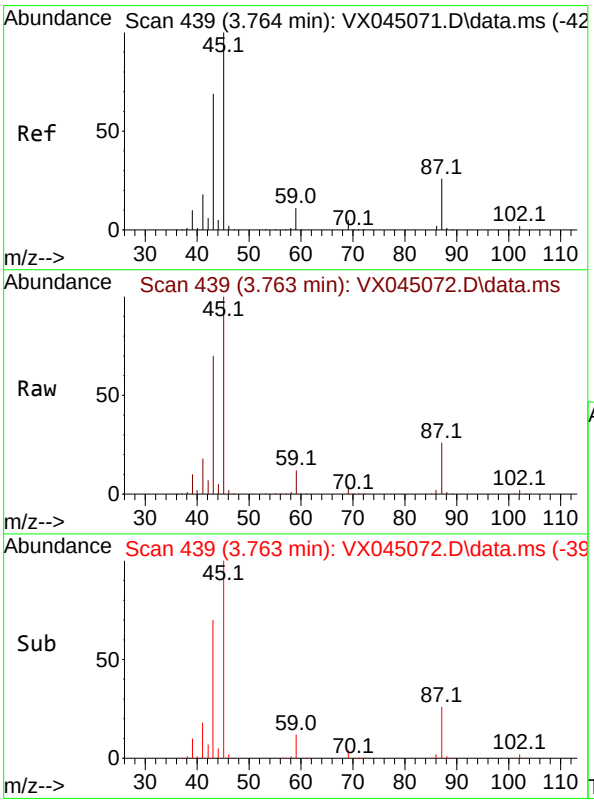
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 128232

Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

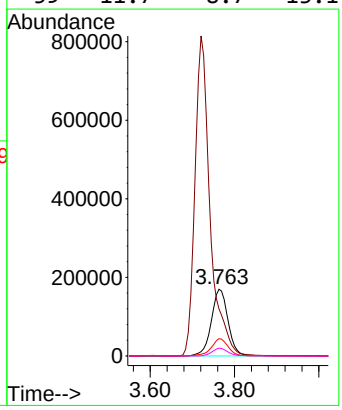


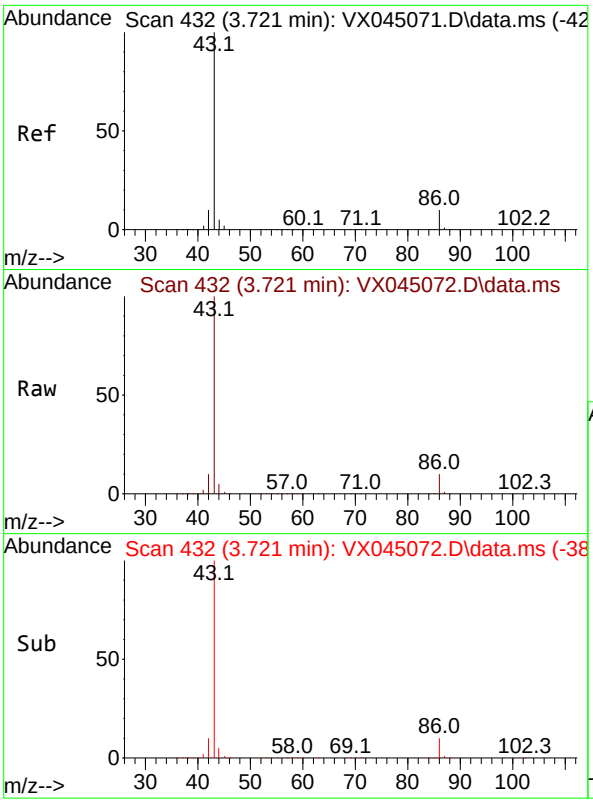


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1



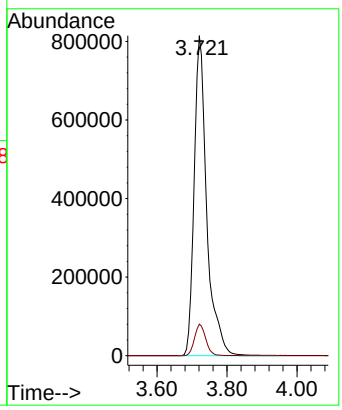


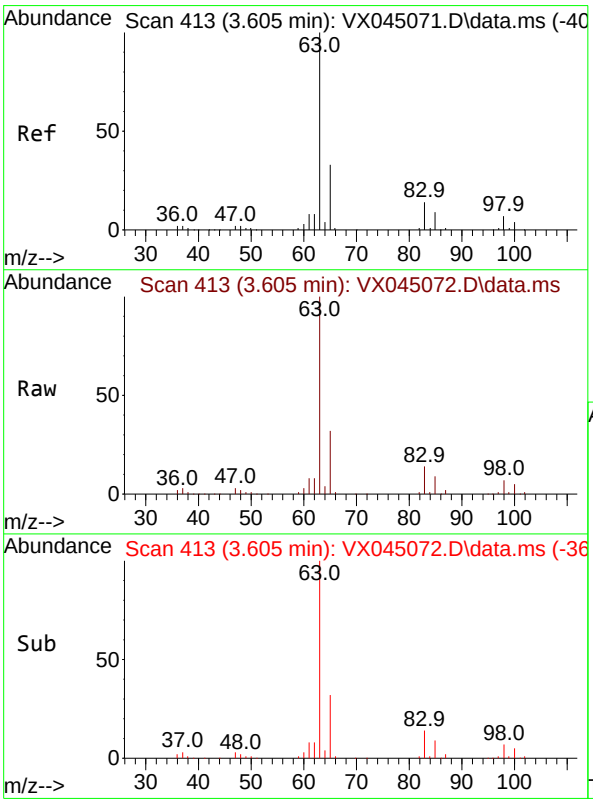
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

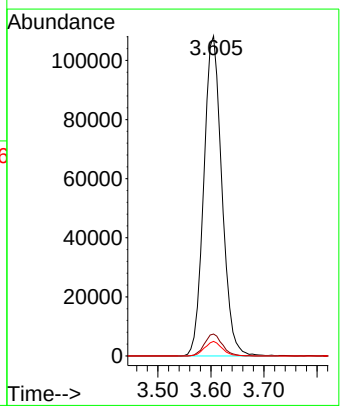


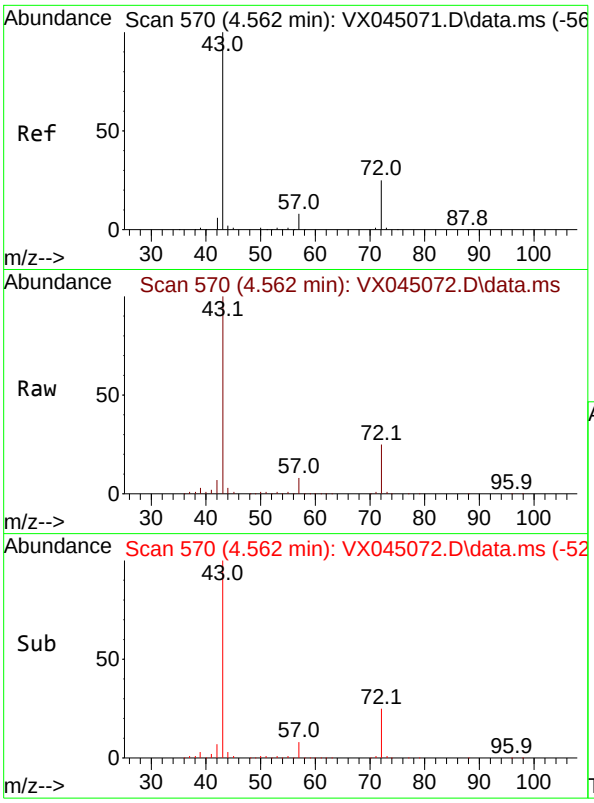


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5



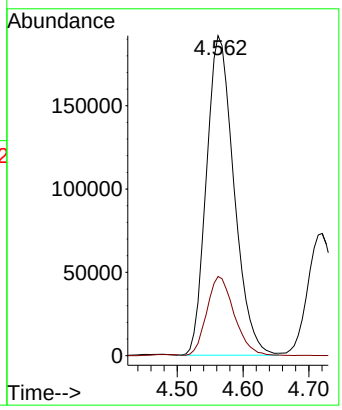


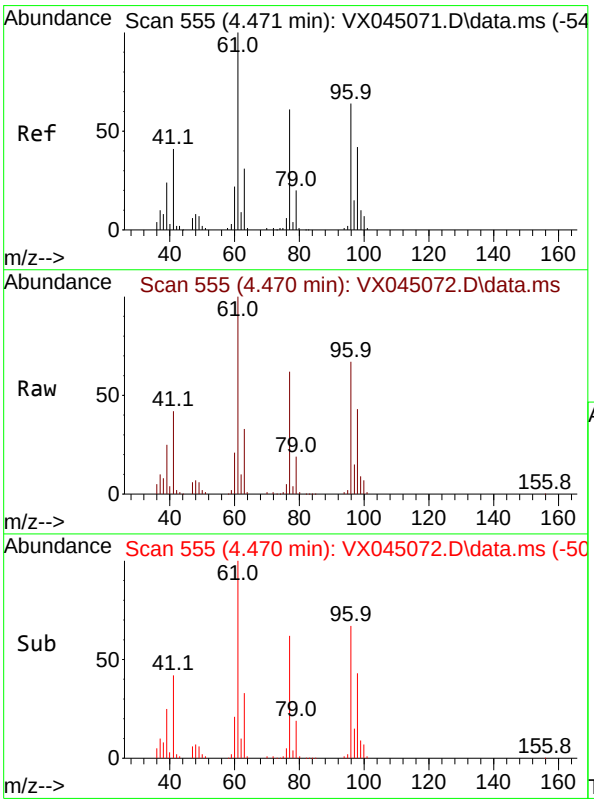
#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 559182

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0

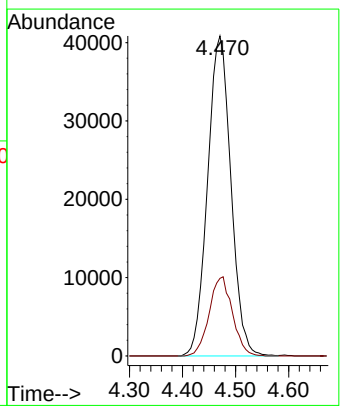


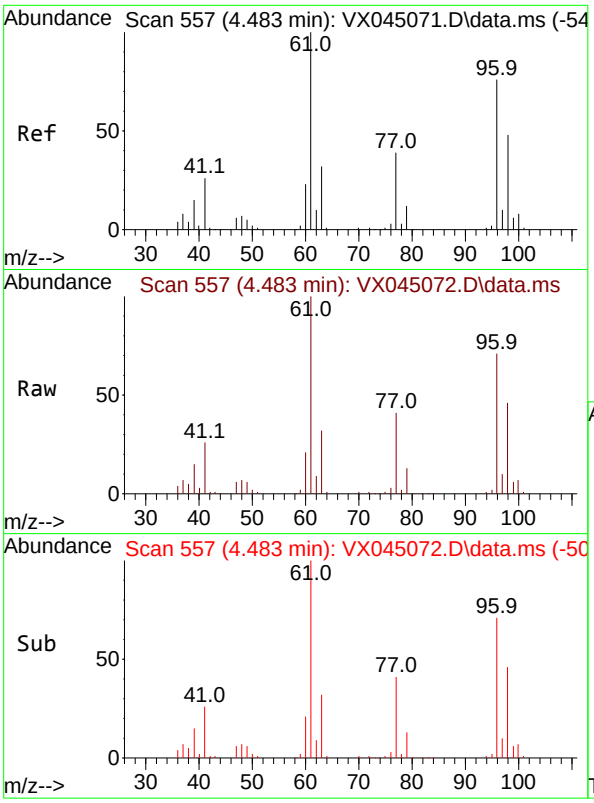


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0



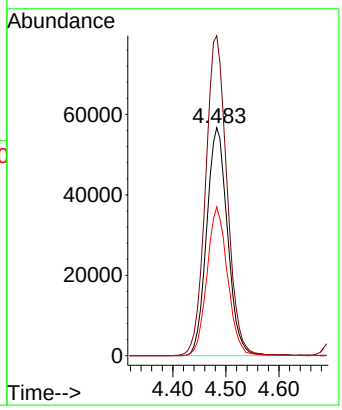


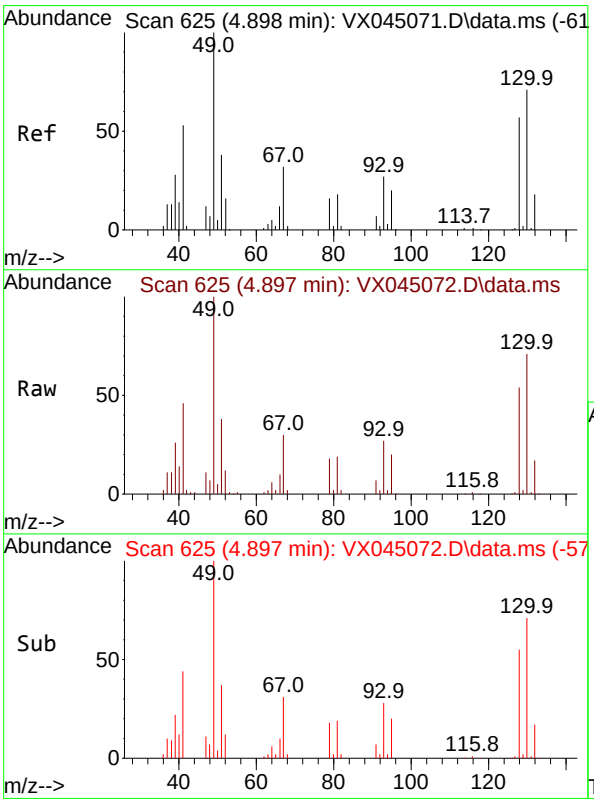
#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 155193

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

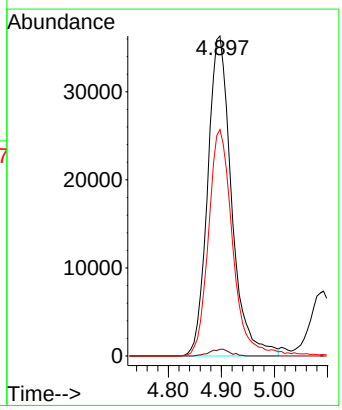


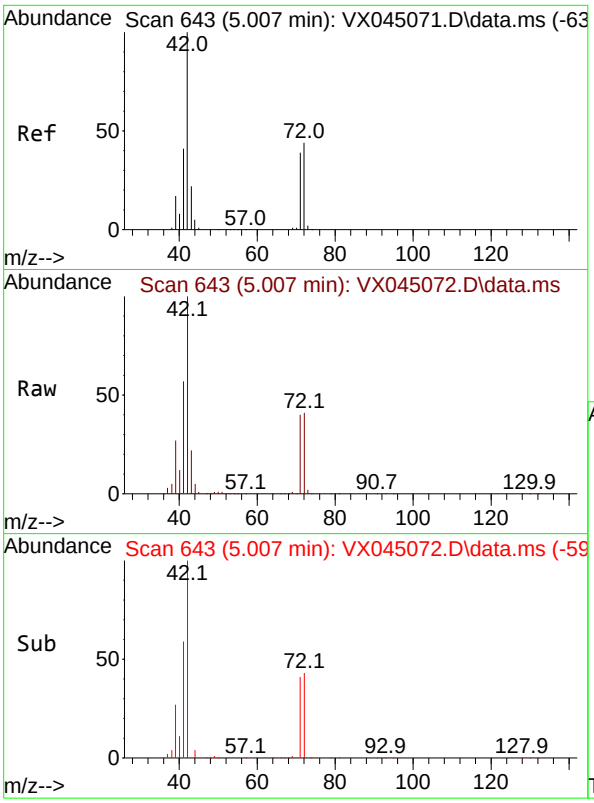


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1



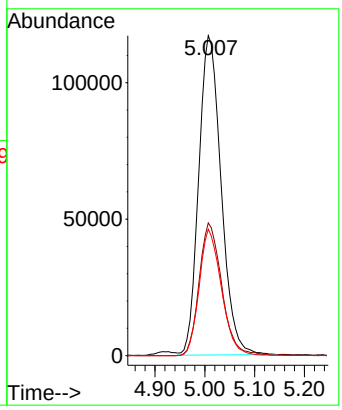


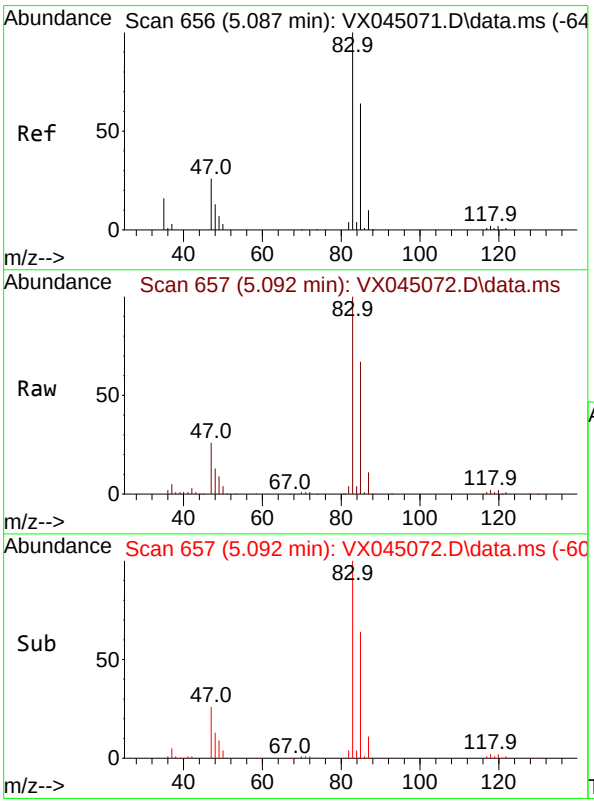
#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 365565

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

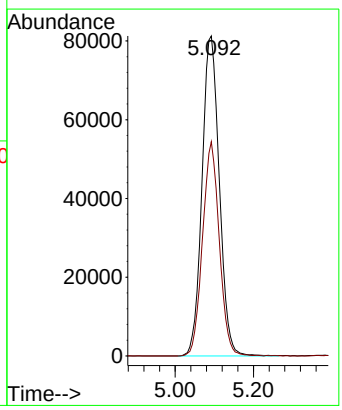


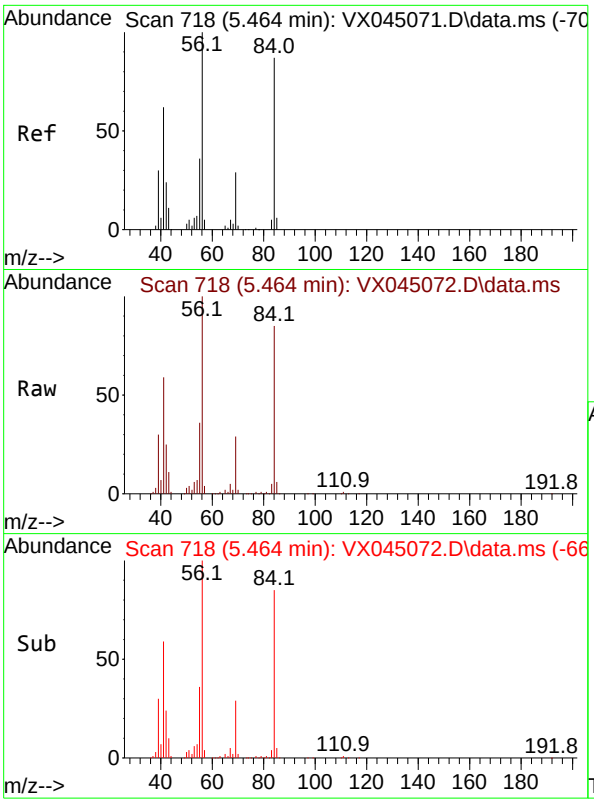


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



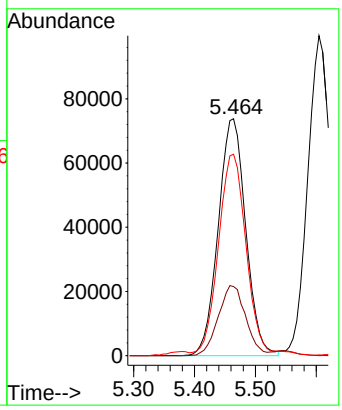


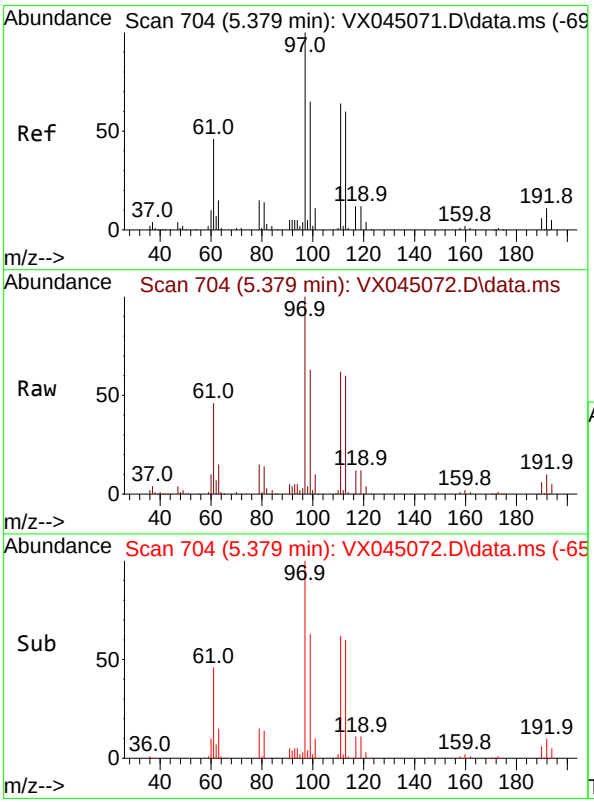
#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 231082

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2

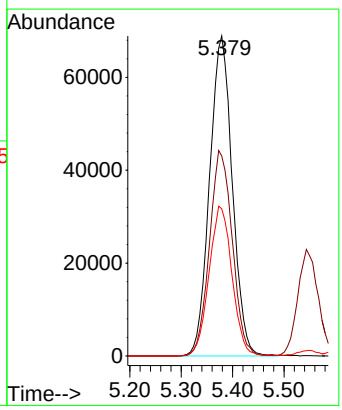


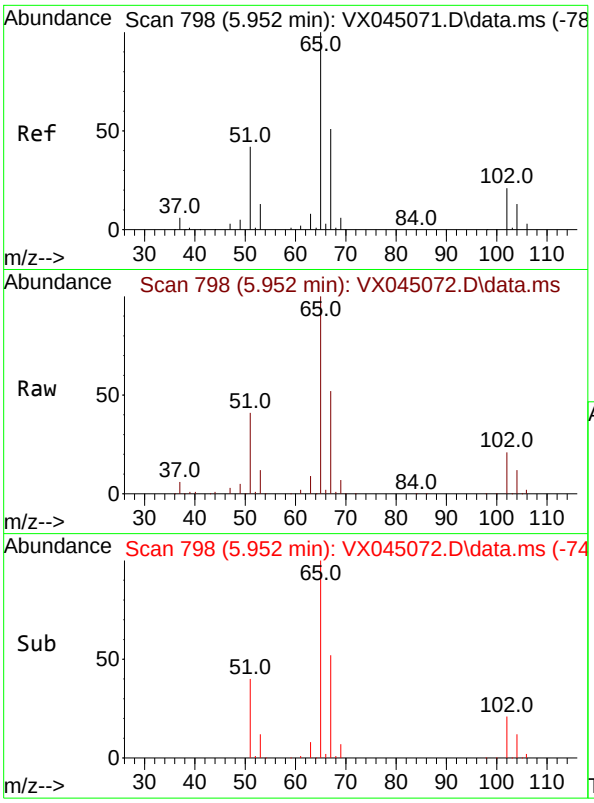


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6



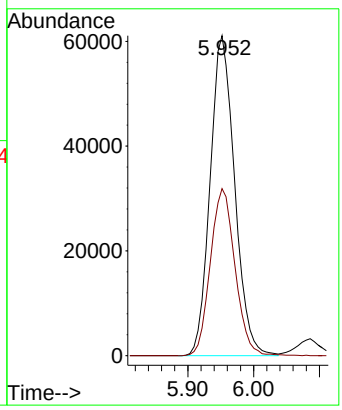


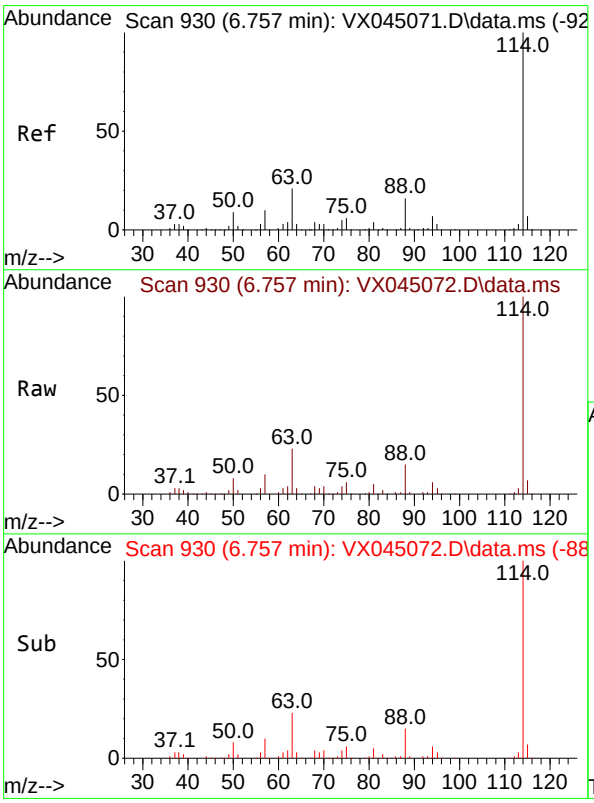
#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

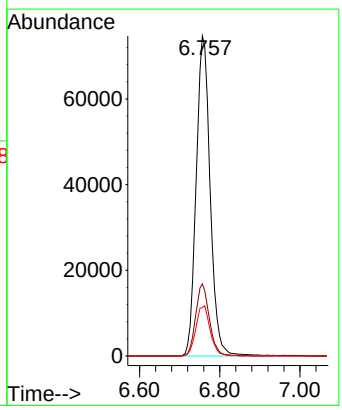


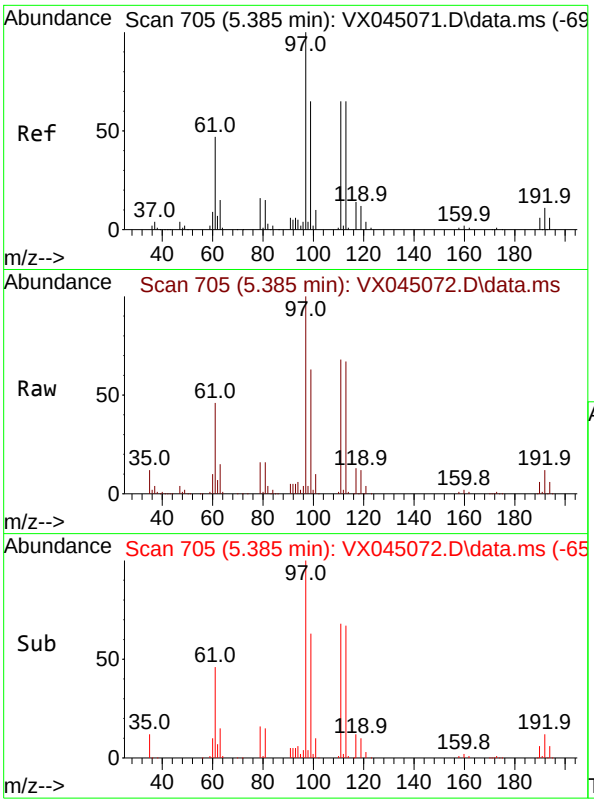


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8



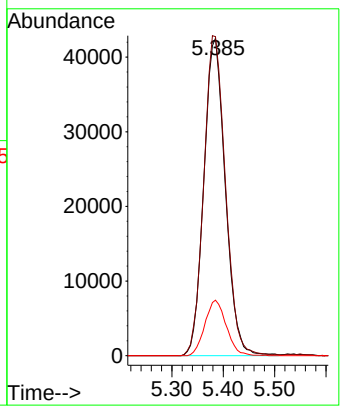


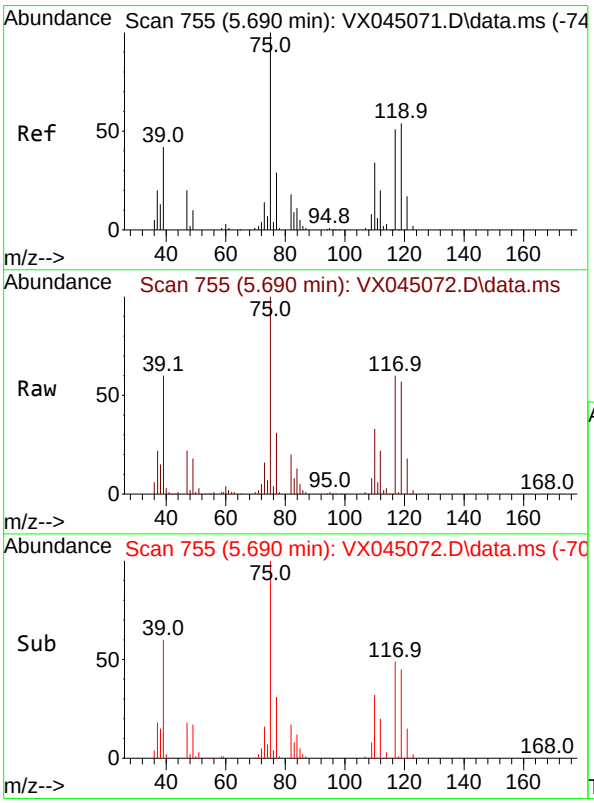
#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 123185

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5

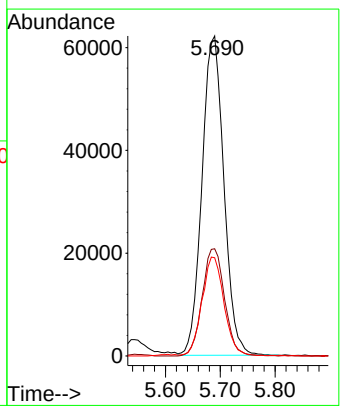


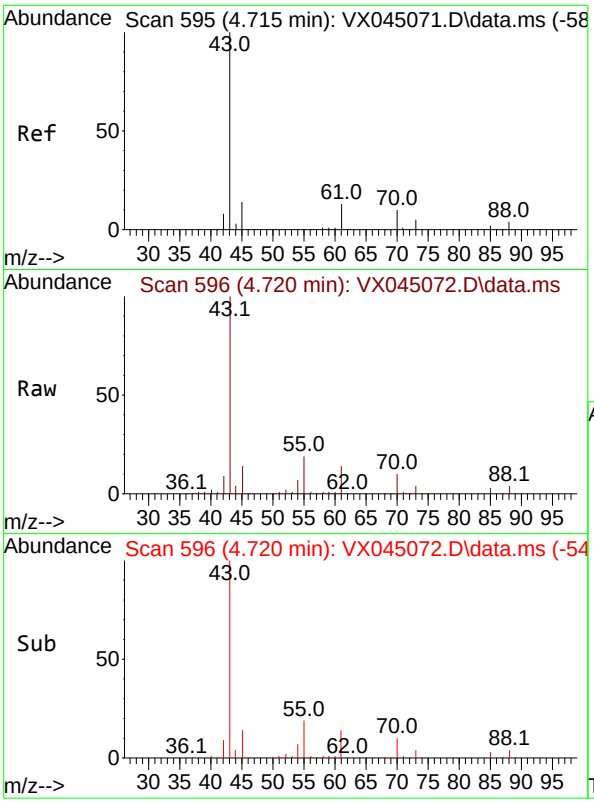


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7



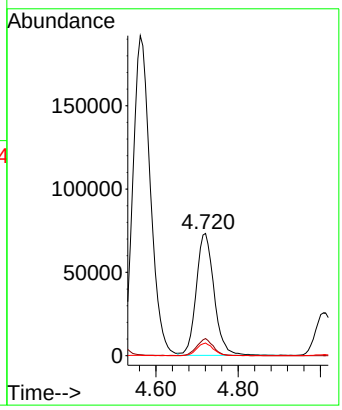


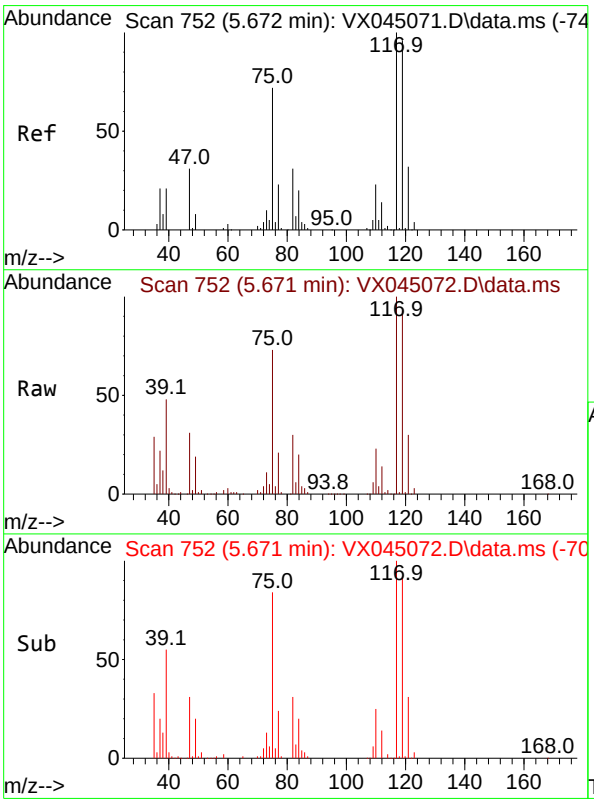
#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 220327

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5

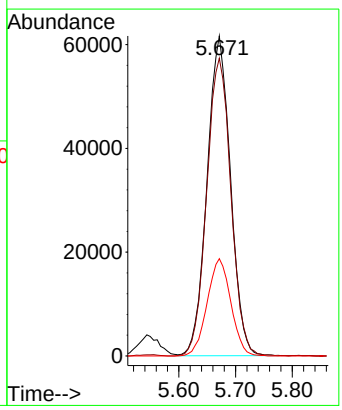


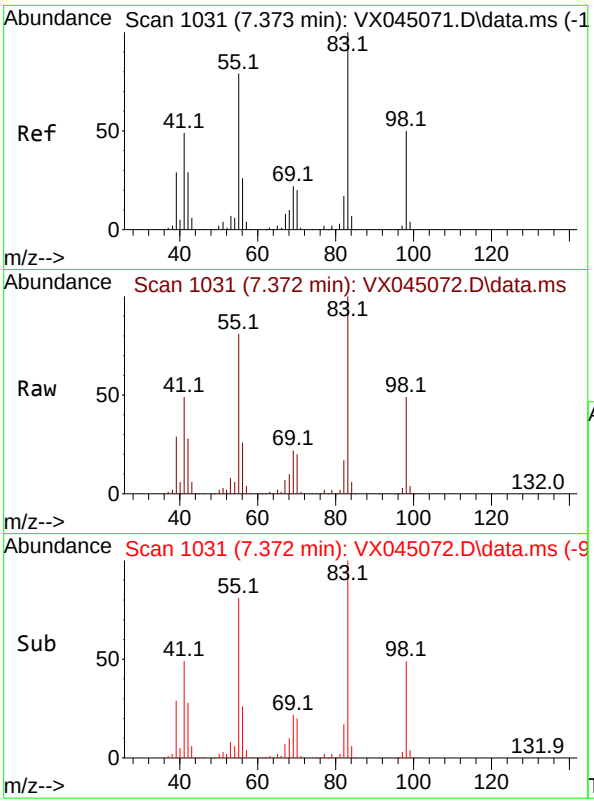


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3



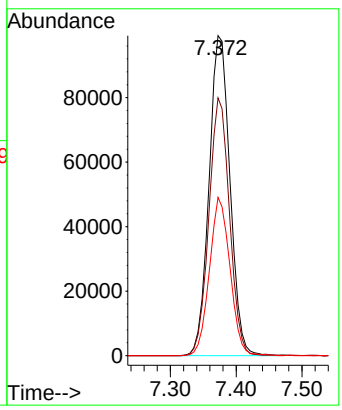


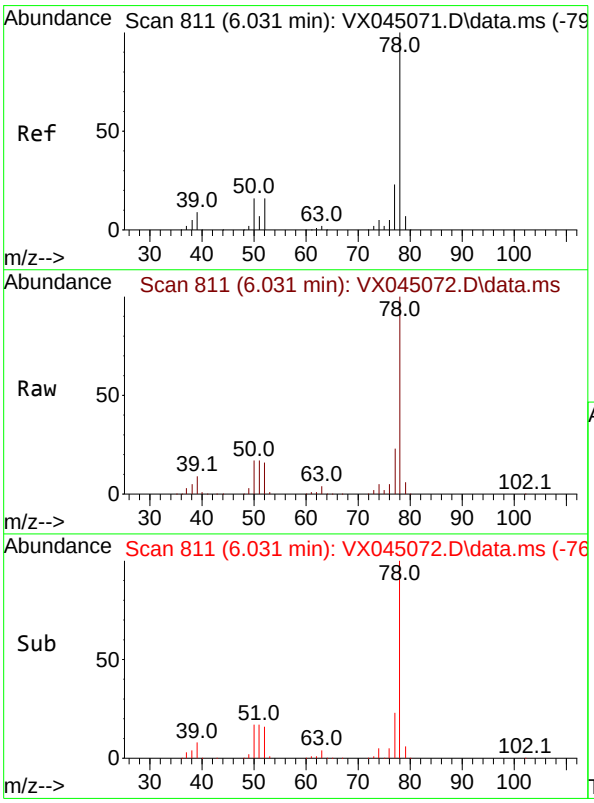
#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 219856

Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5

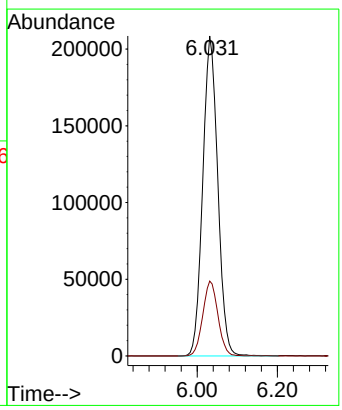


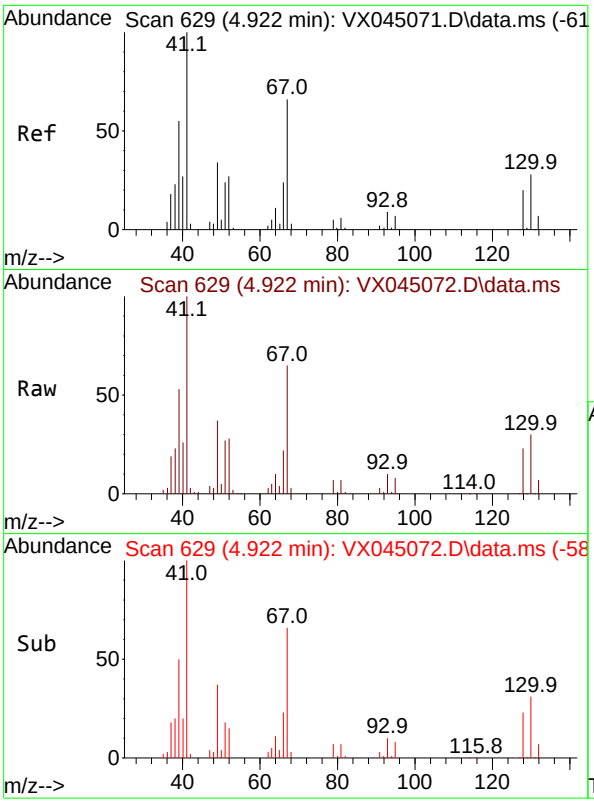


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



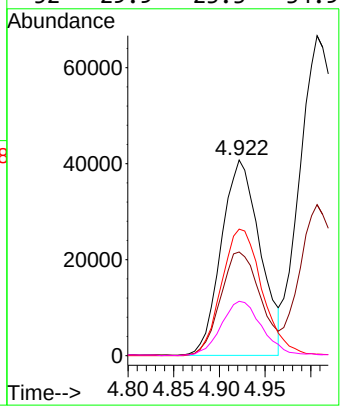


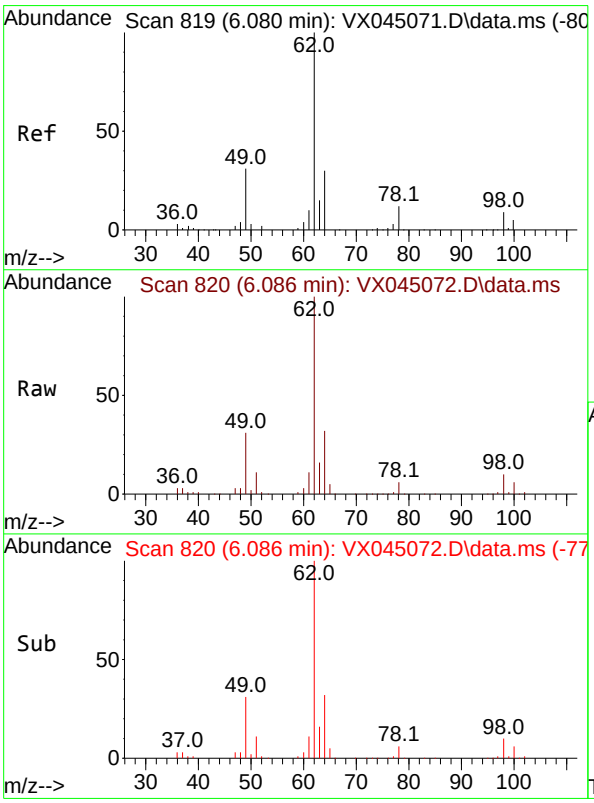
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 120186

Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9

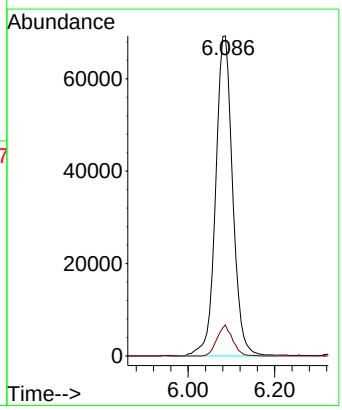


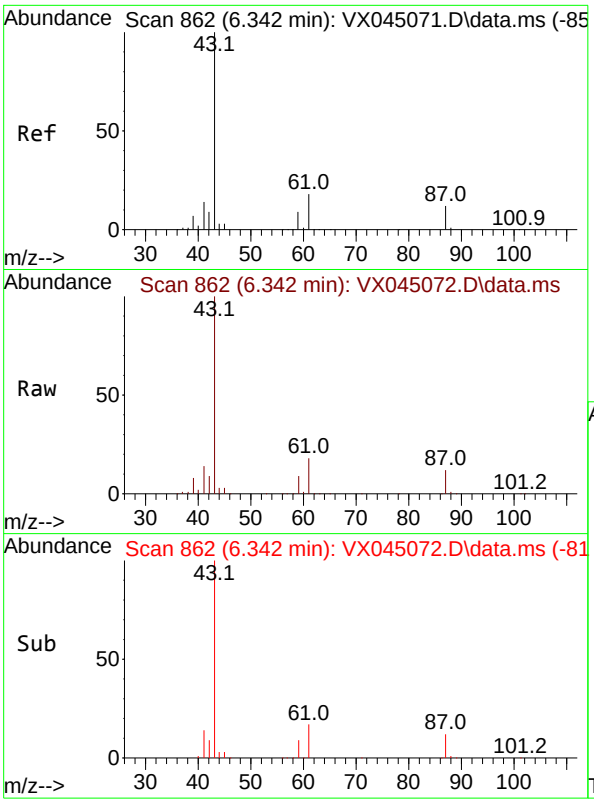


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



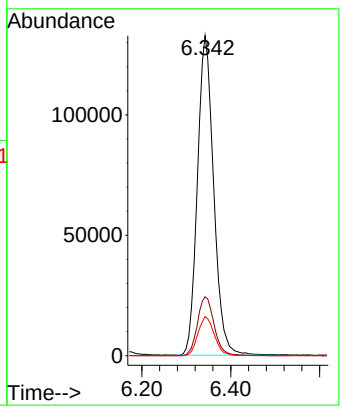


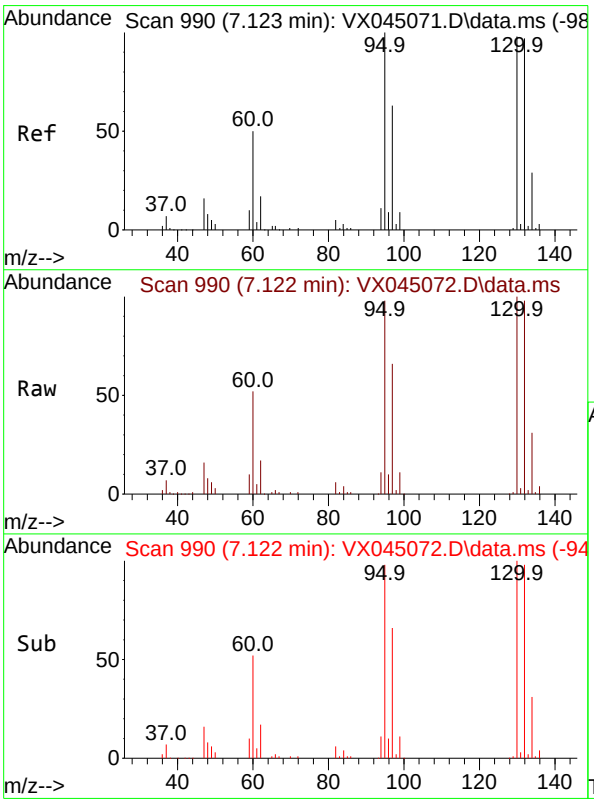
#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 338414

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

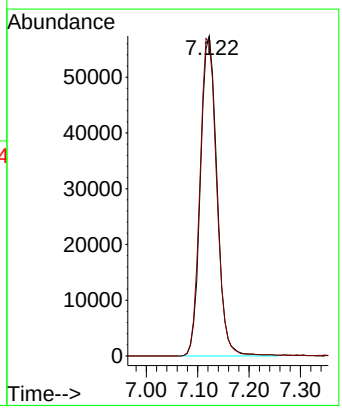


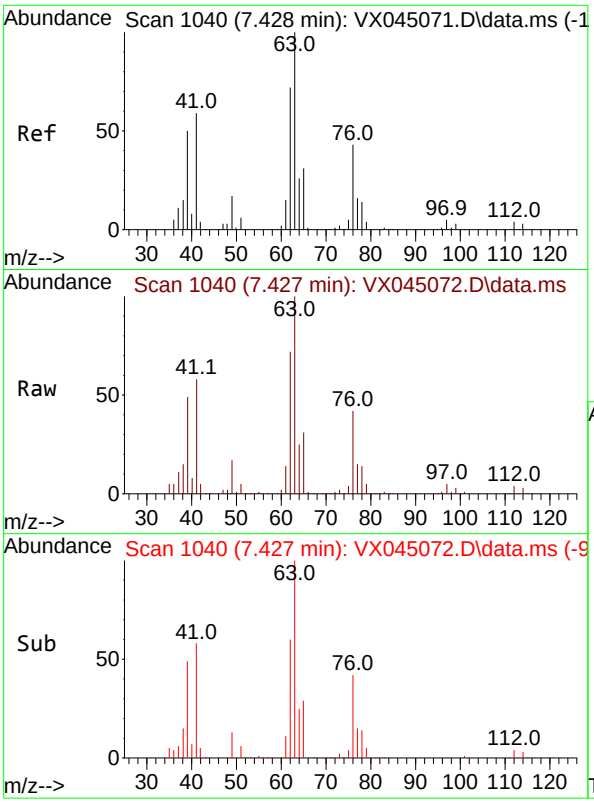


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0



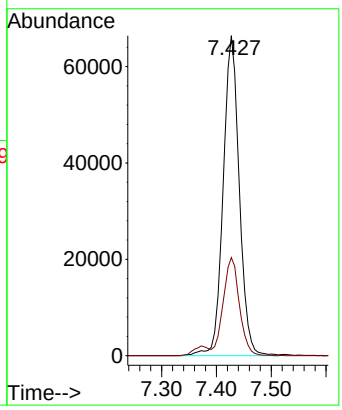


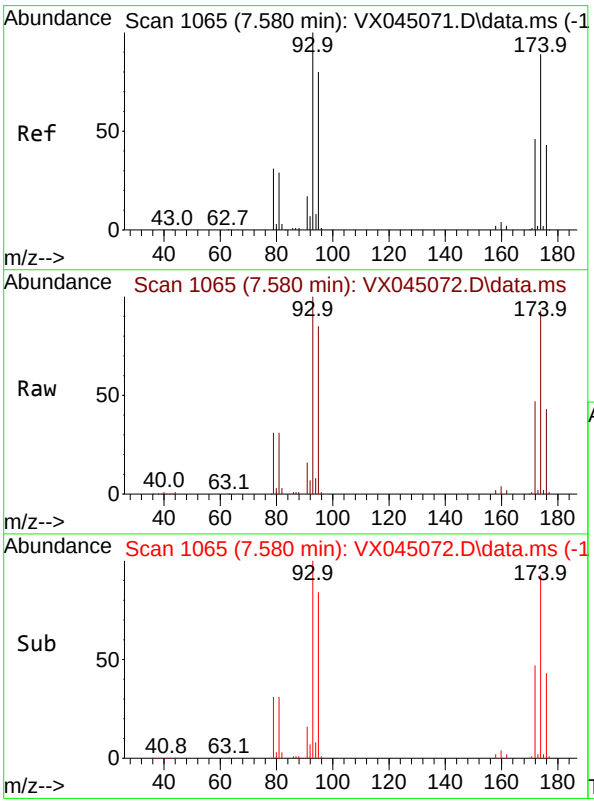
#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 135997

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

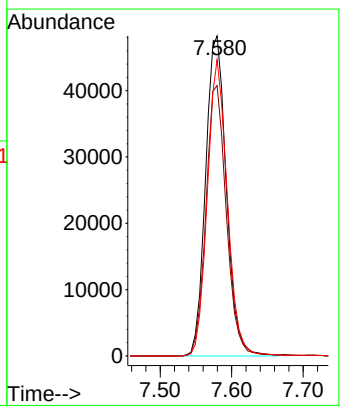


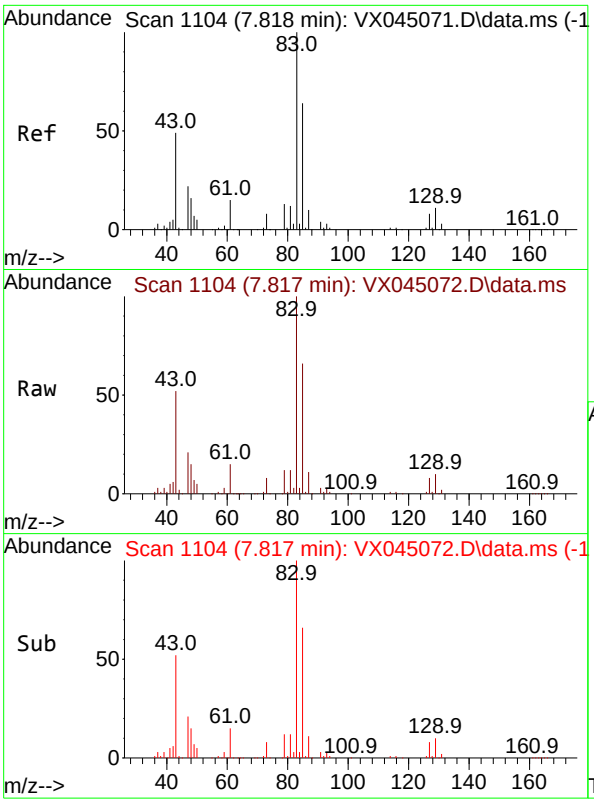


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2



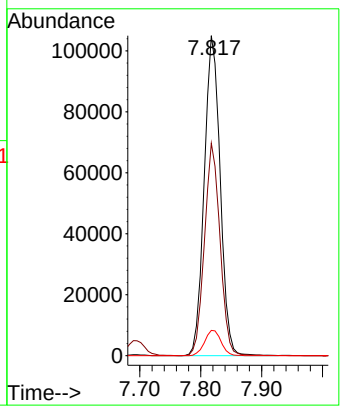


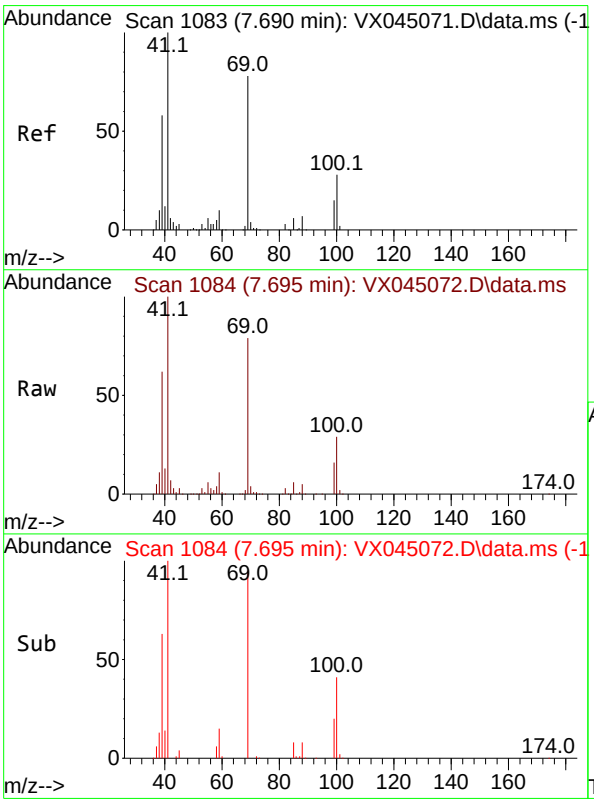
#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 191016

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6

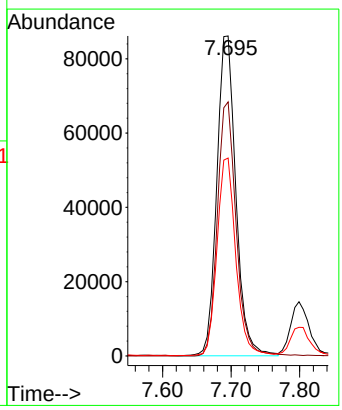


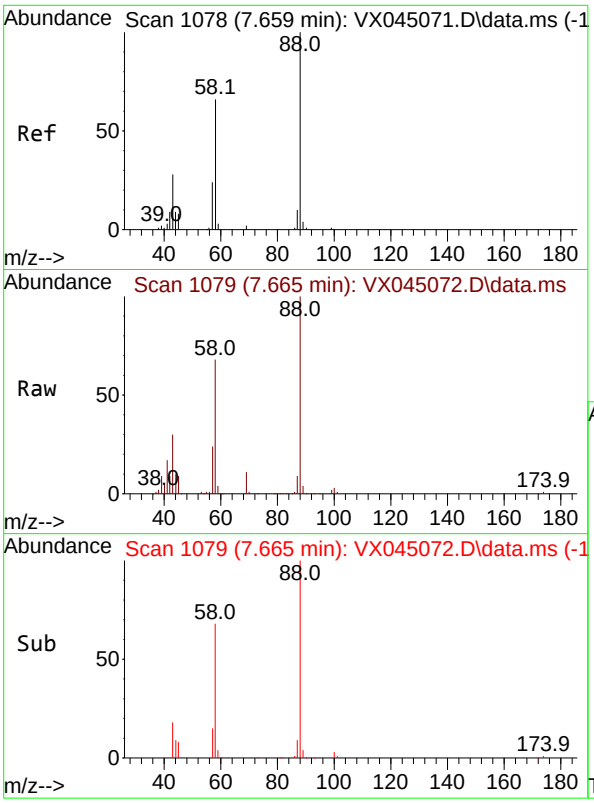


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3



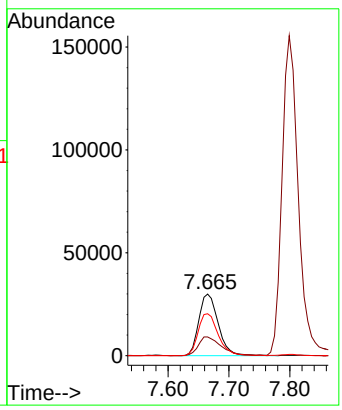


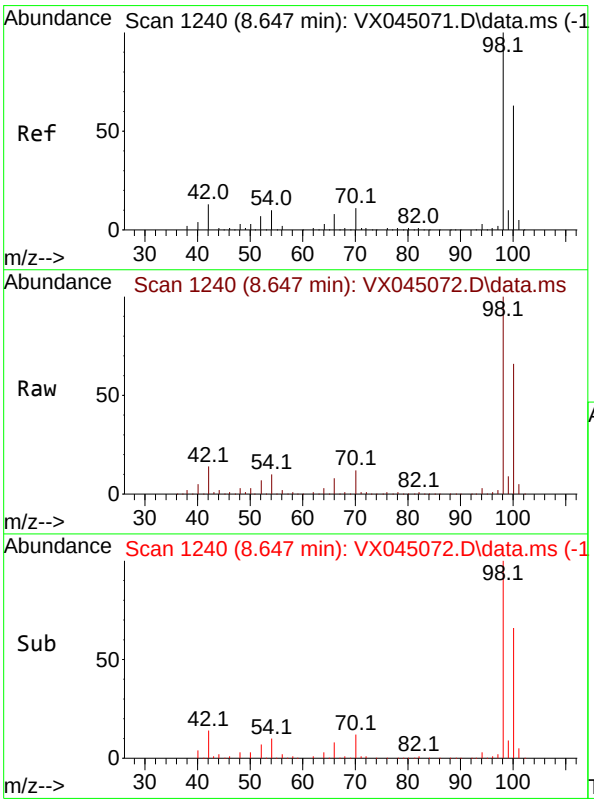
#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 66308

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

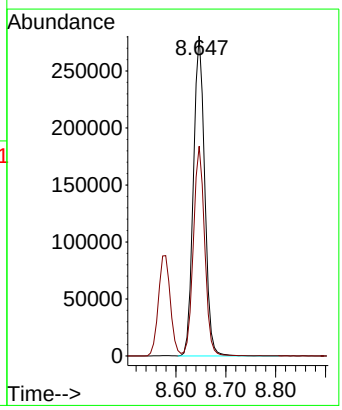


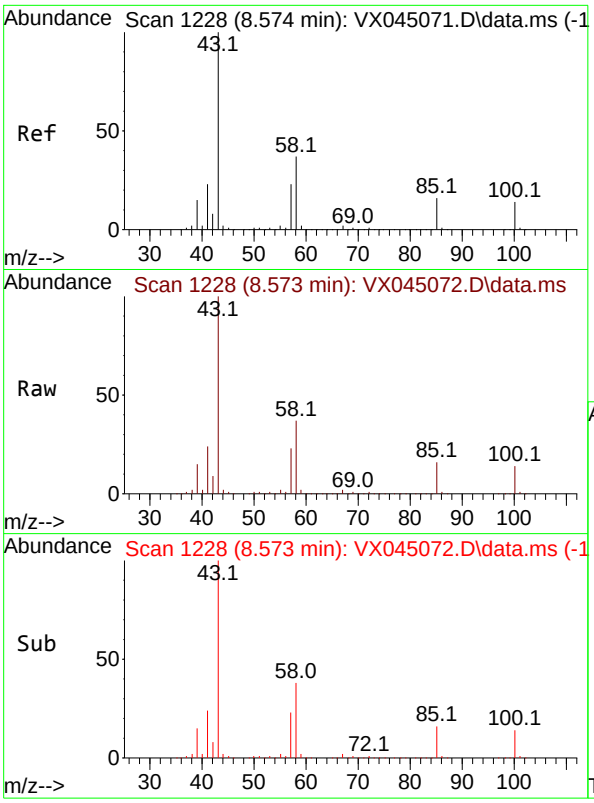


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



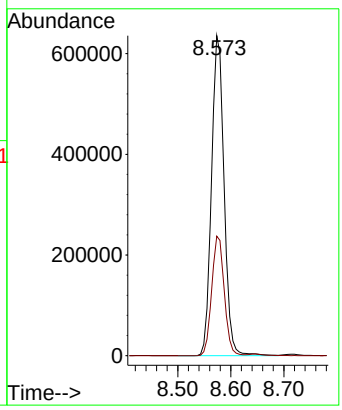


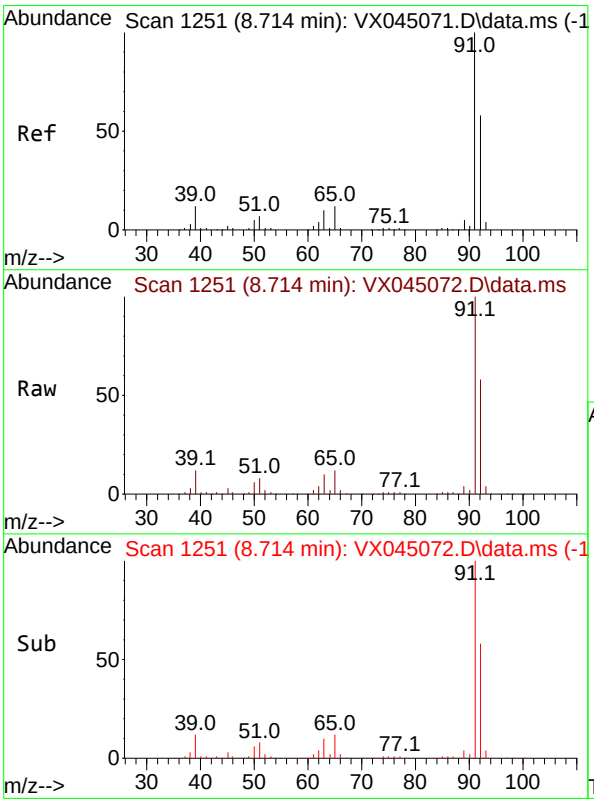
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8

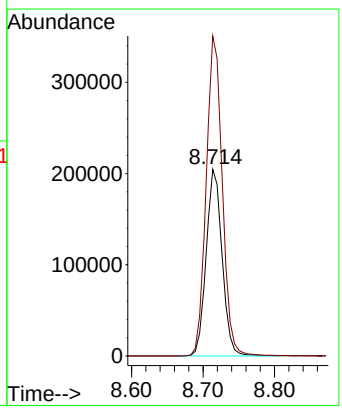


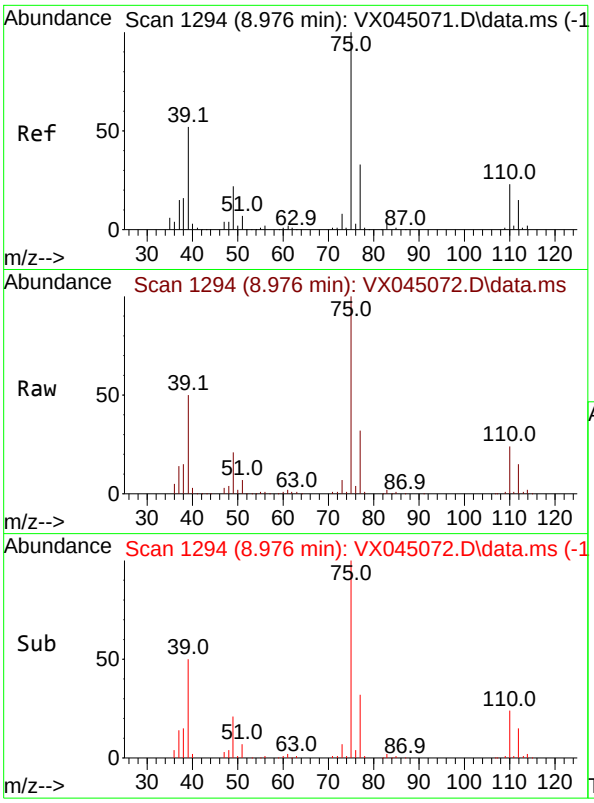


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3



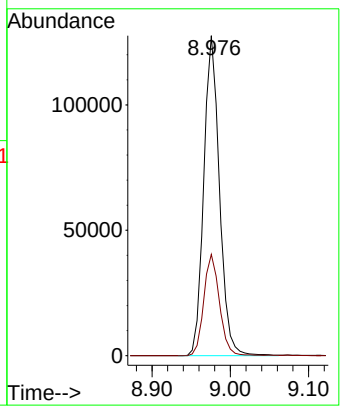


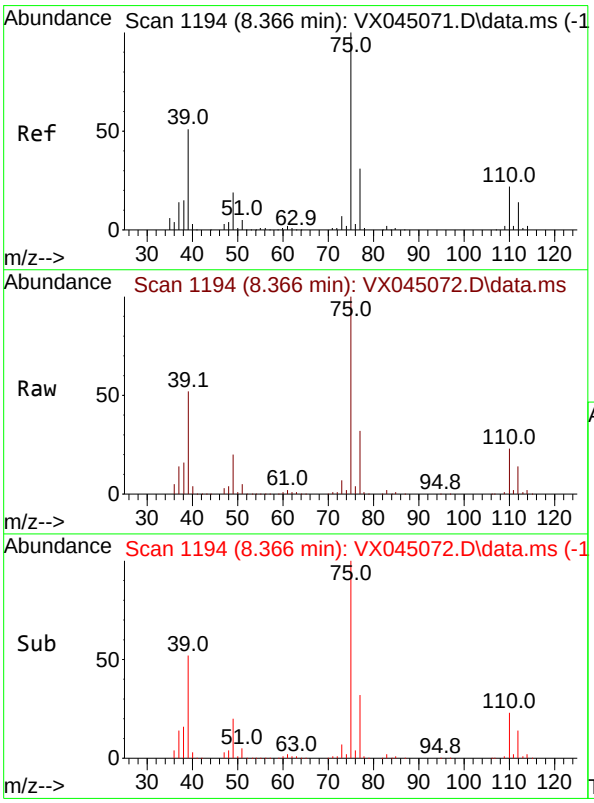
#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7

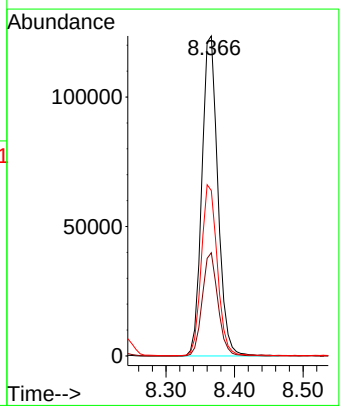


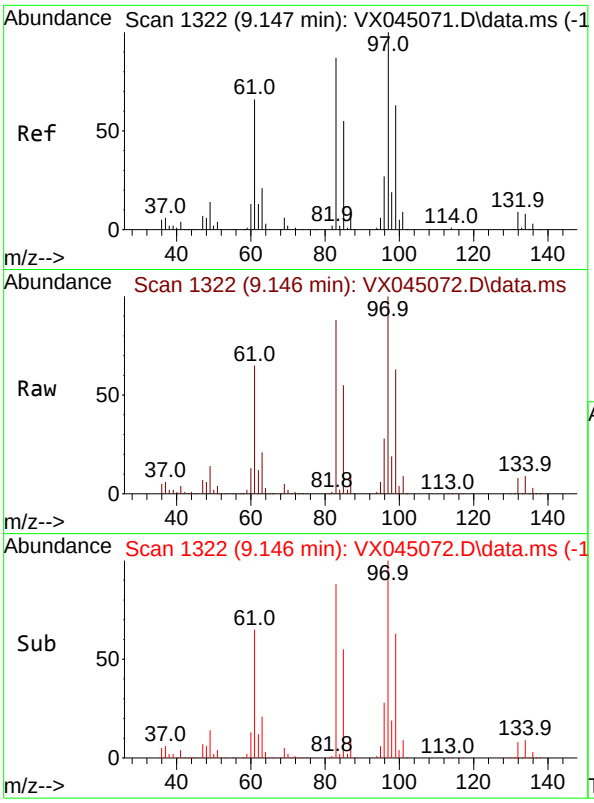


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1



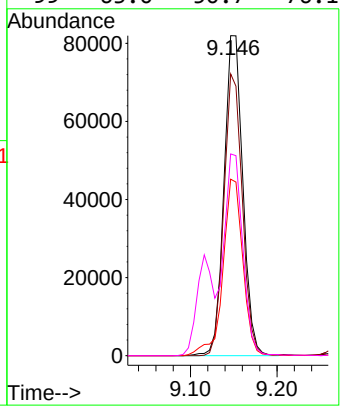


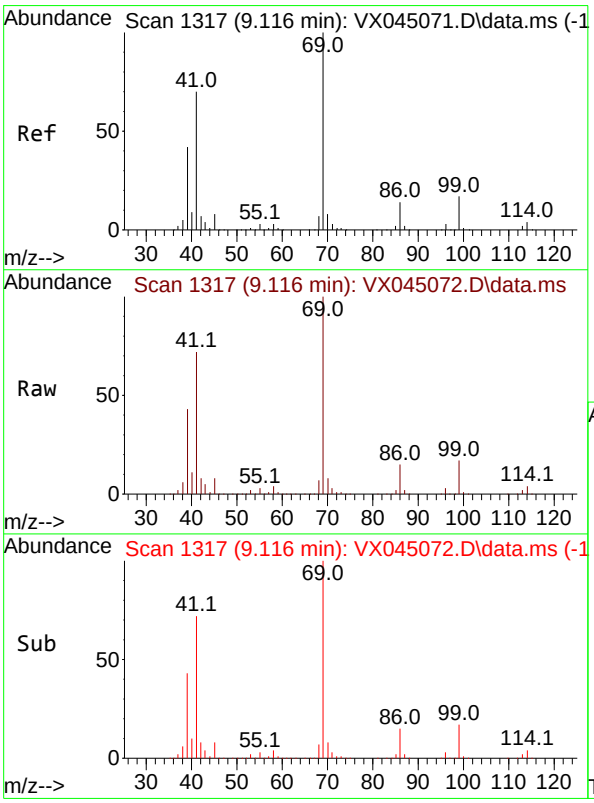
#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 123426

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

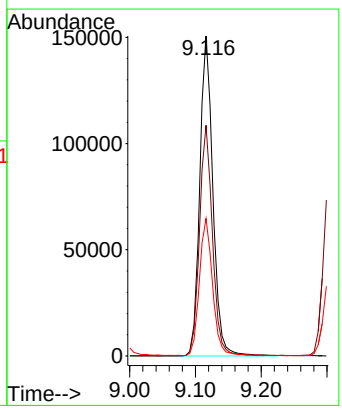


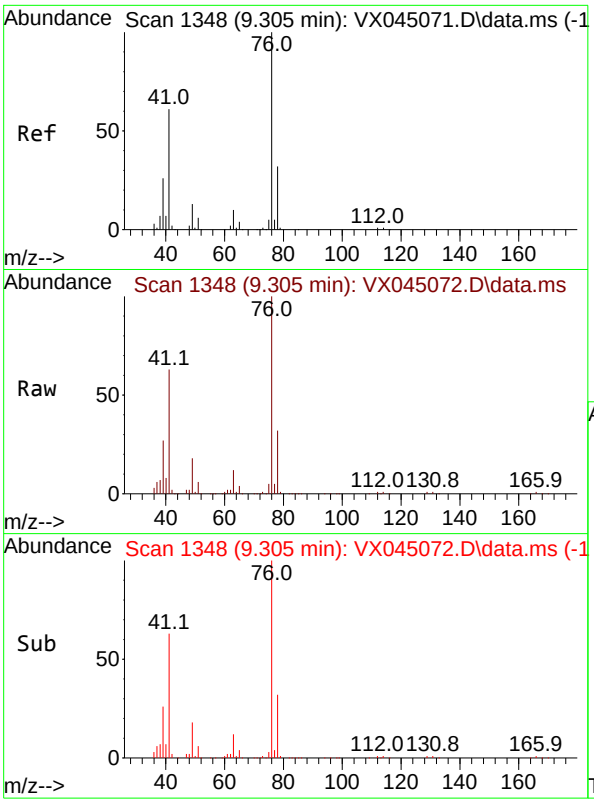


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



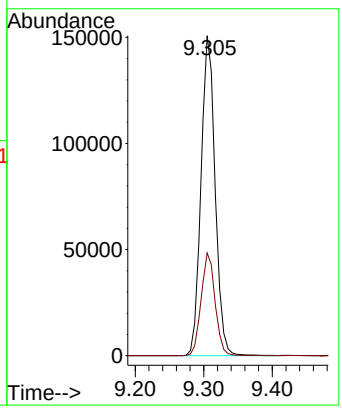


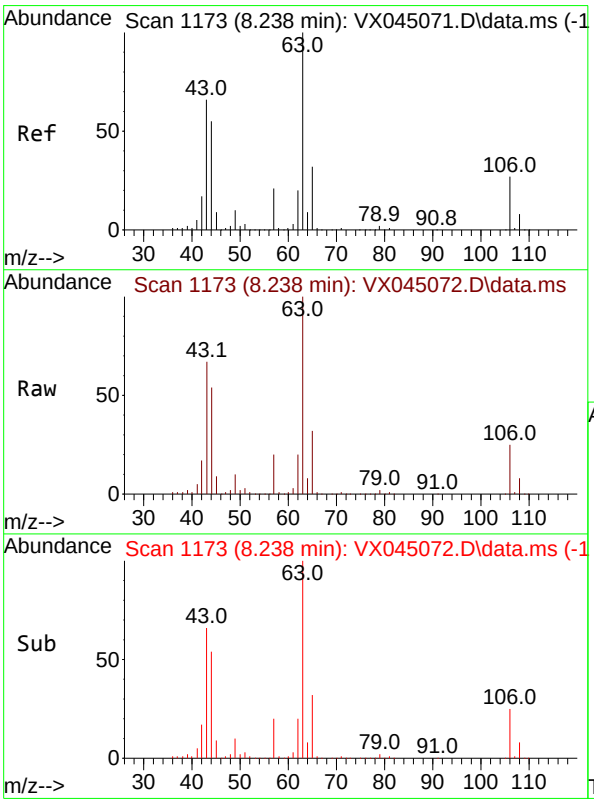
#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

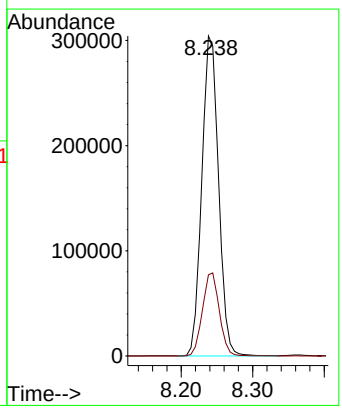


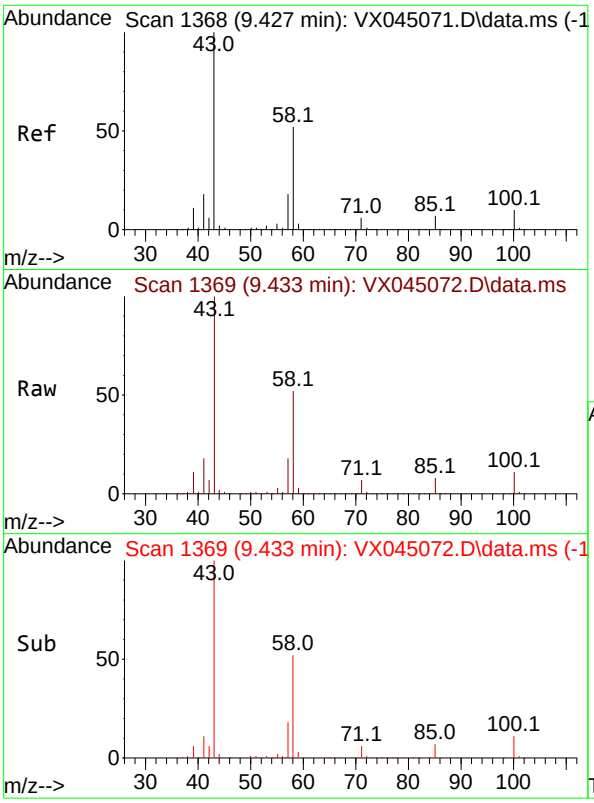


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



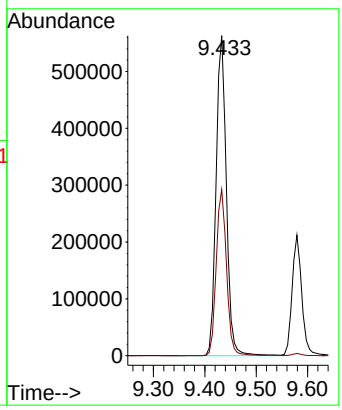


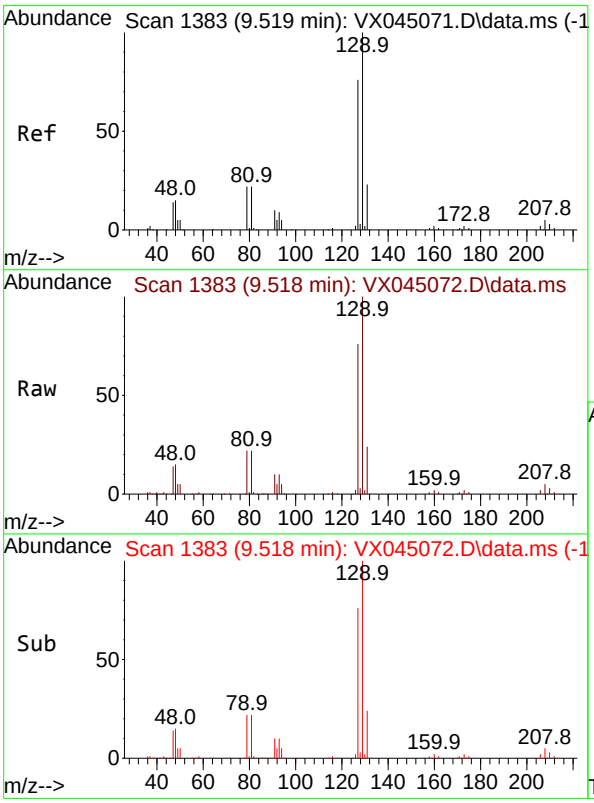
#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

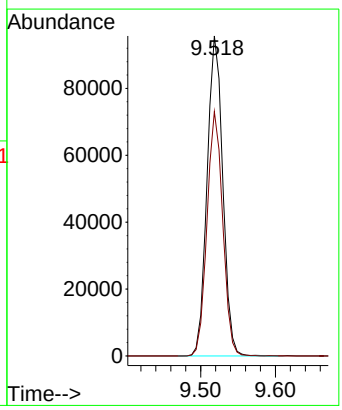


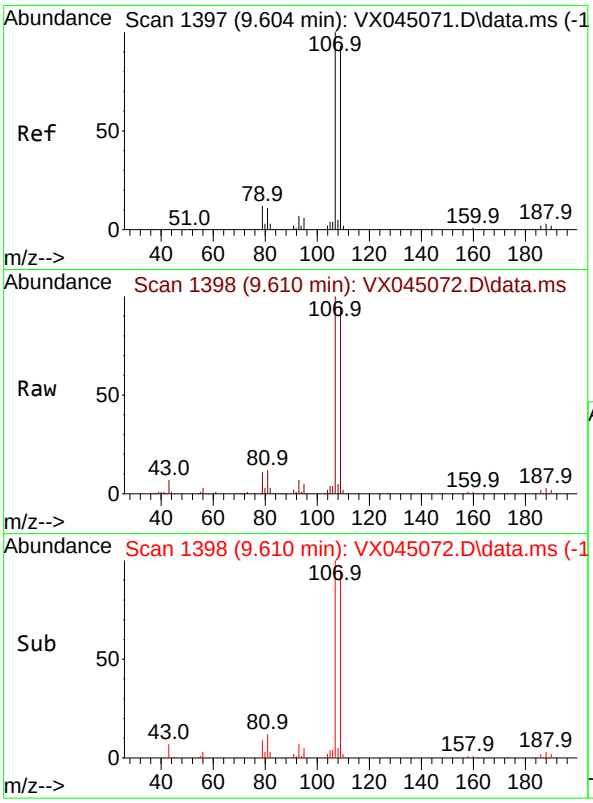


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



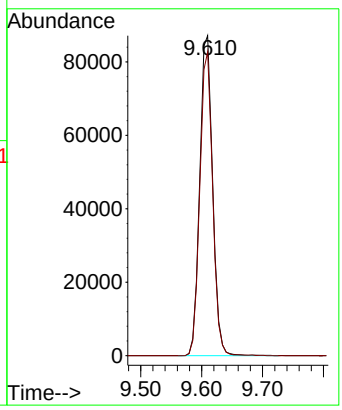


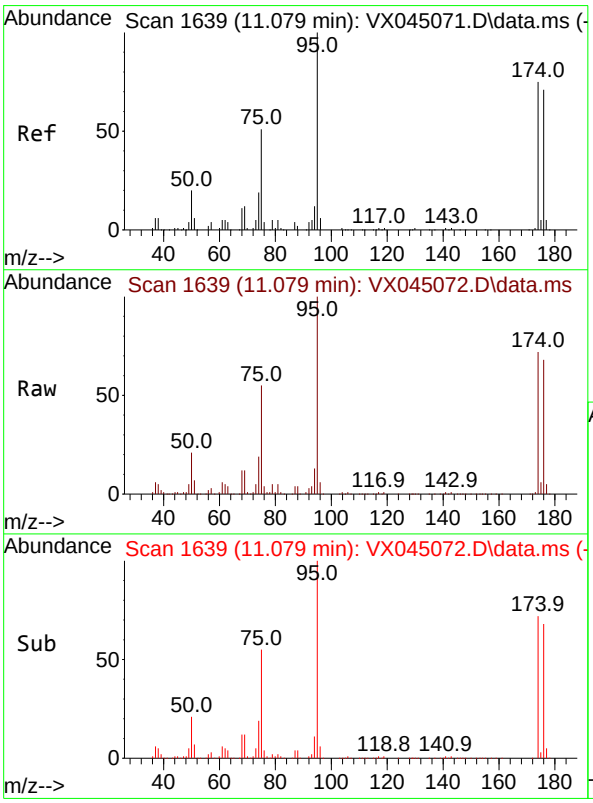
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 128617

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

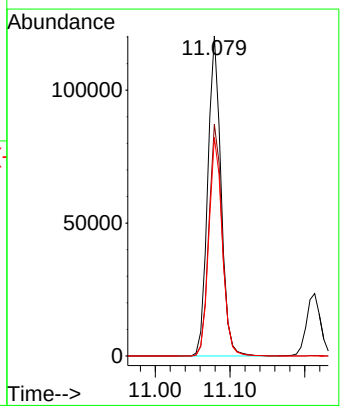


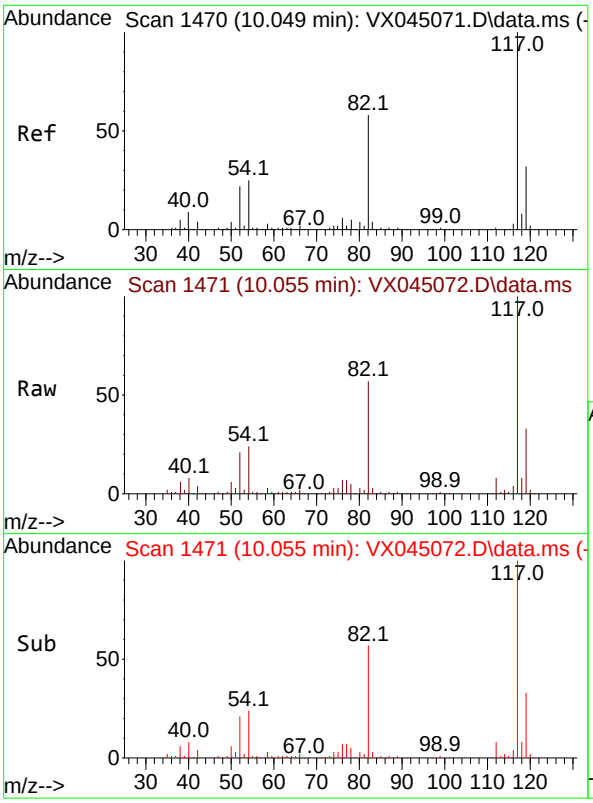


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4



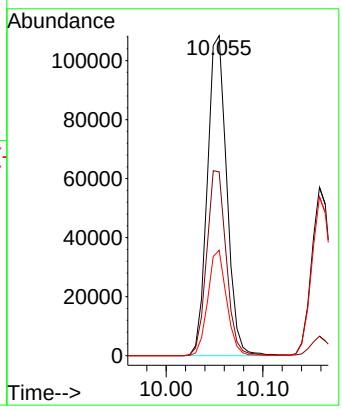


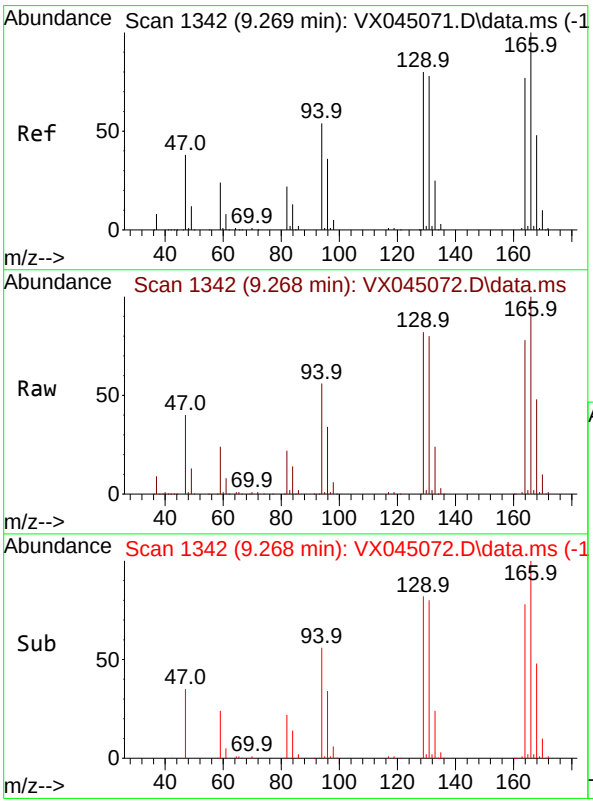
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 151175

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5

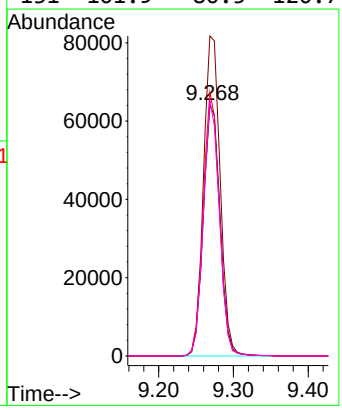


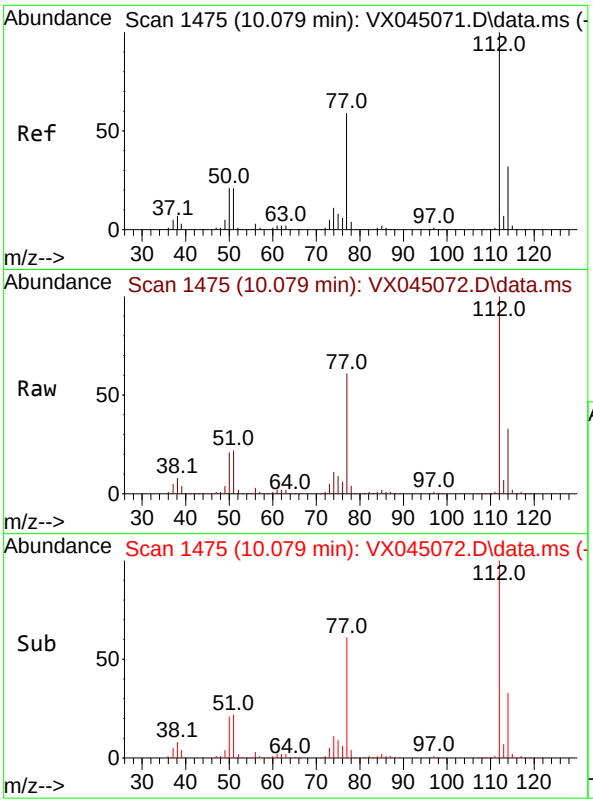


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7



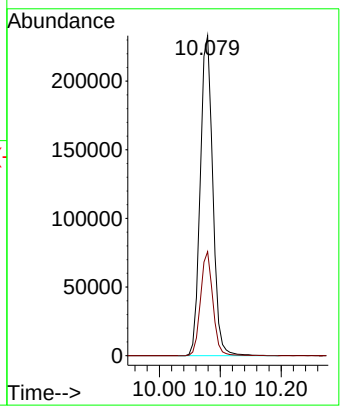


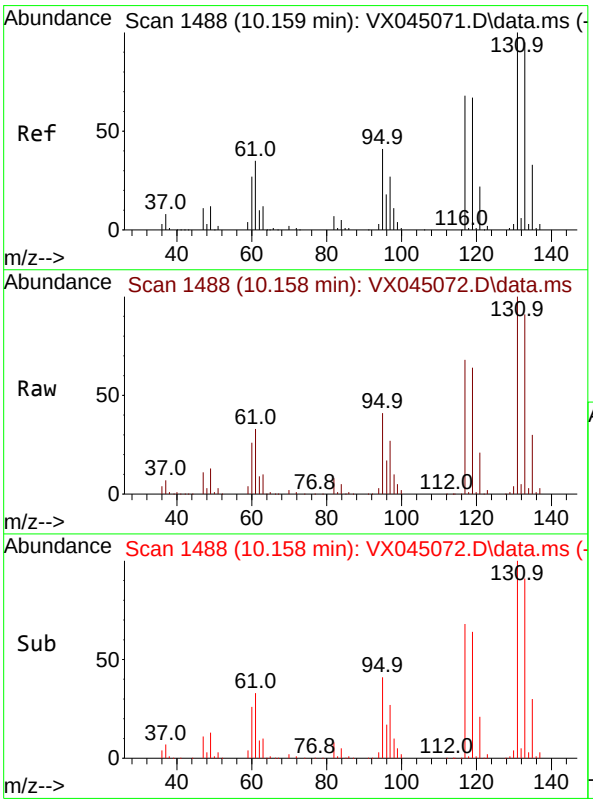
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 332473

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

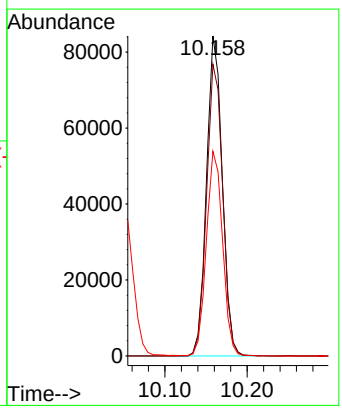


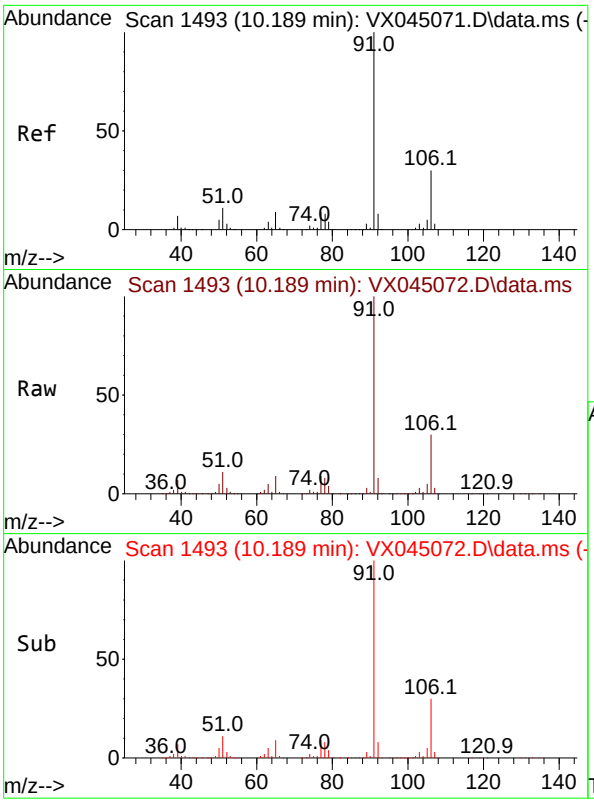


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7



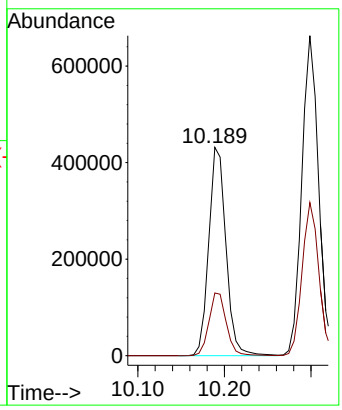


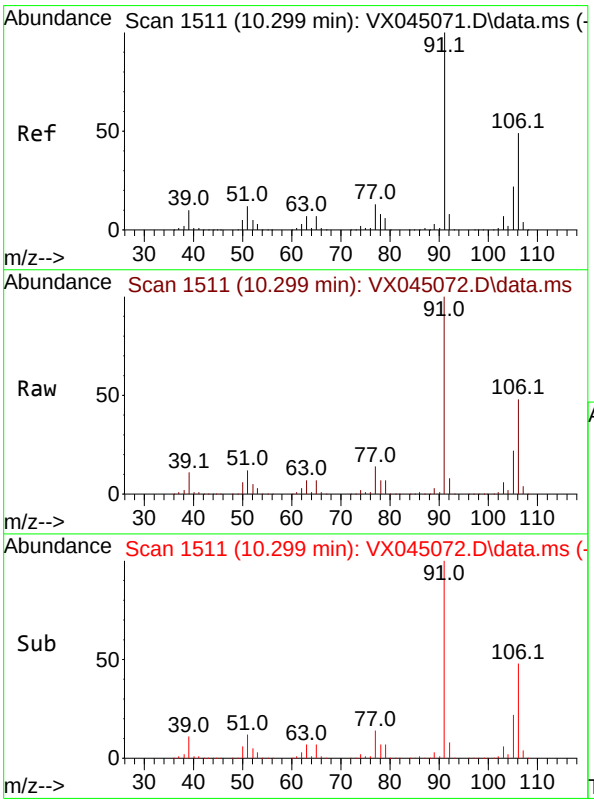
#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 596257

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

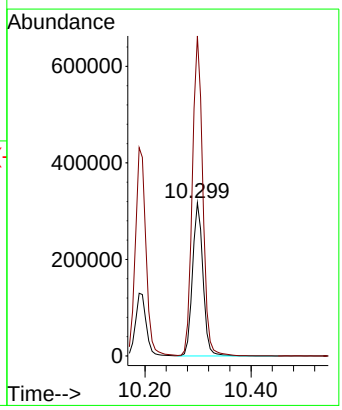


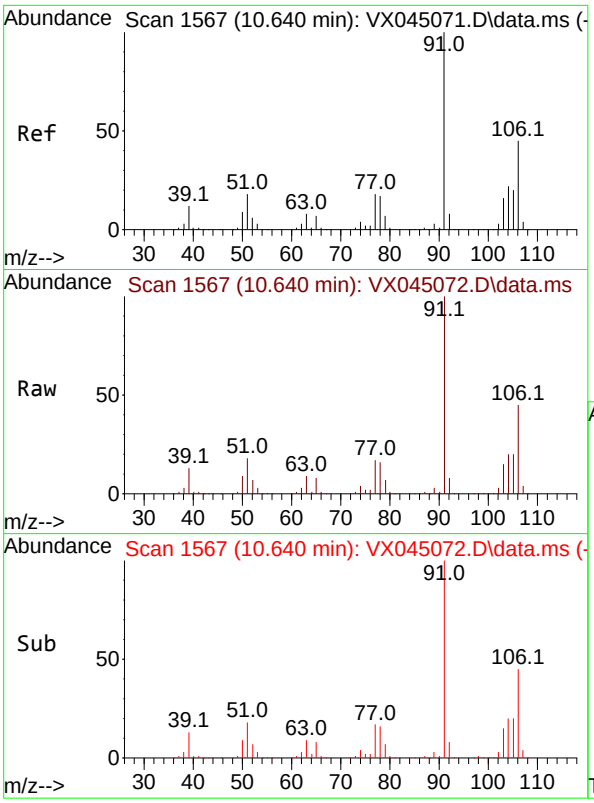


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0



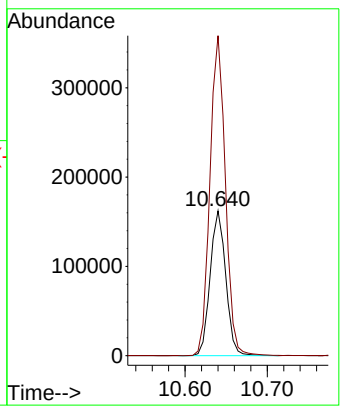


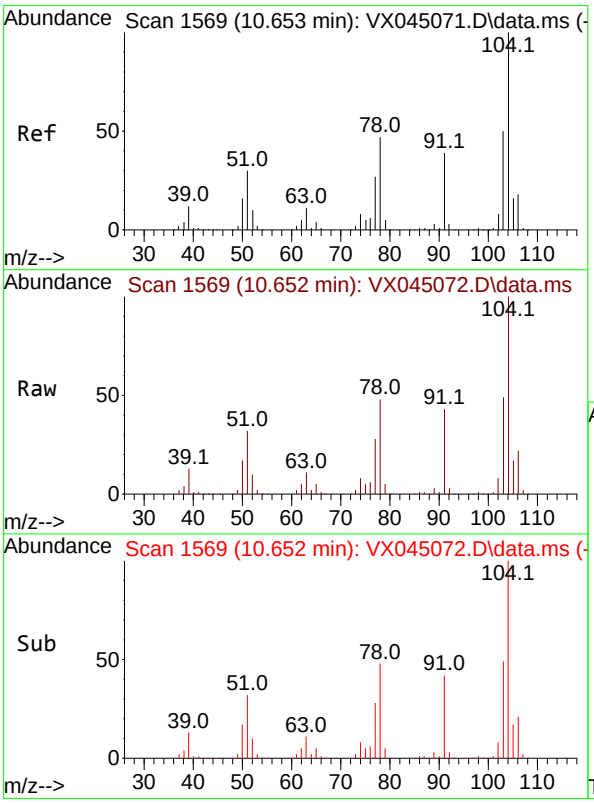
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 213835

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6

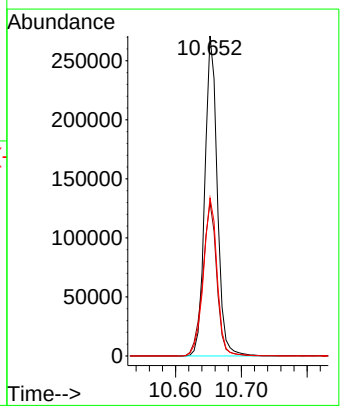


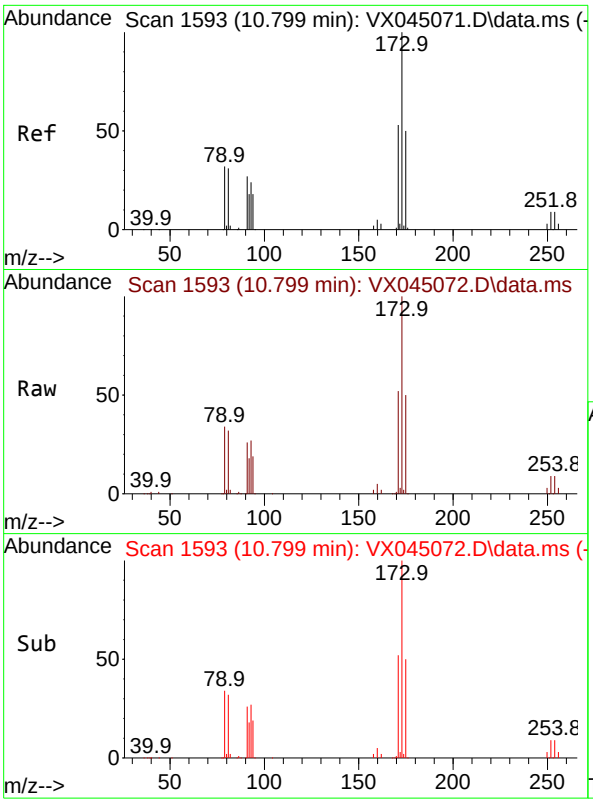


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8



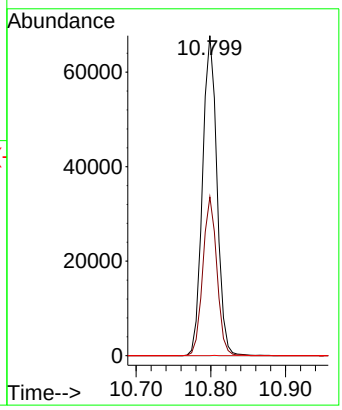


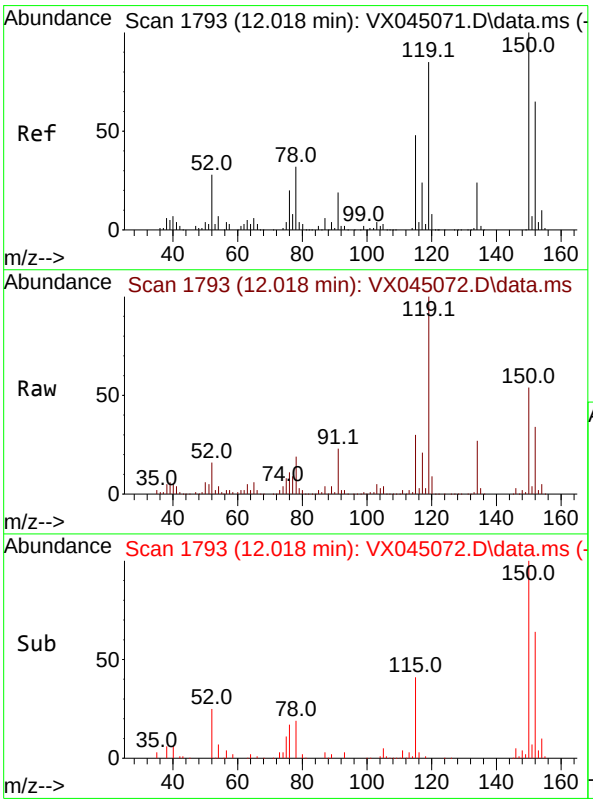
#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 90800

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0#

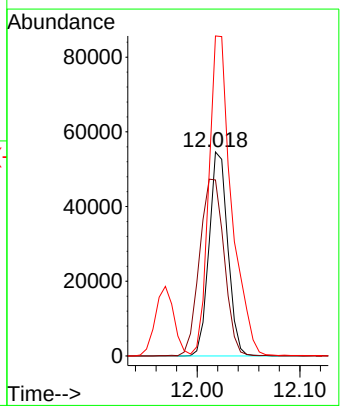


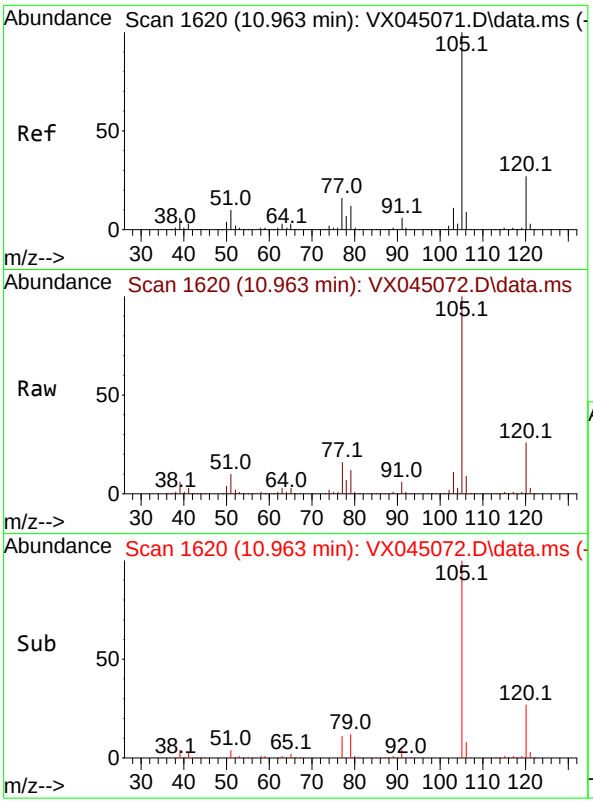


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0



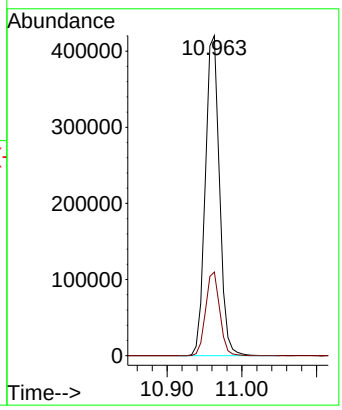


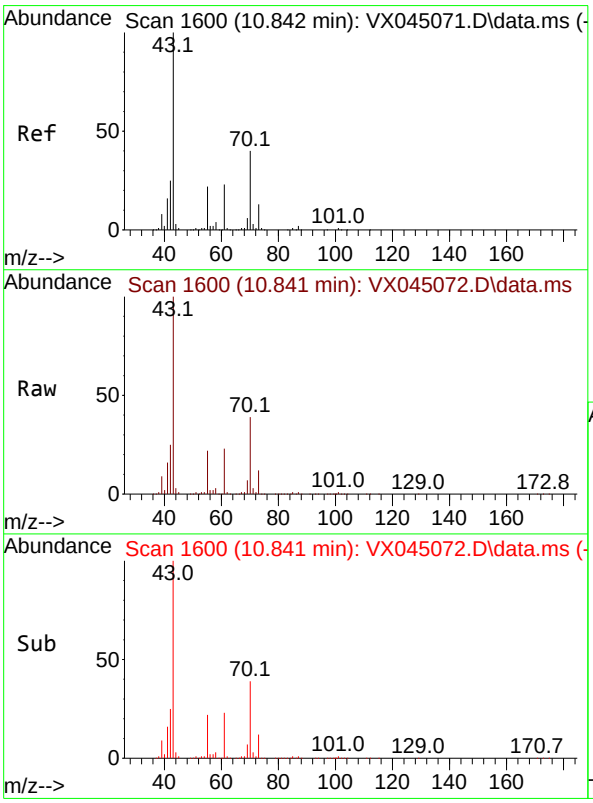
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

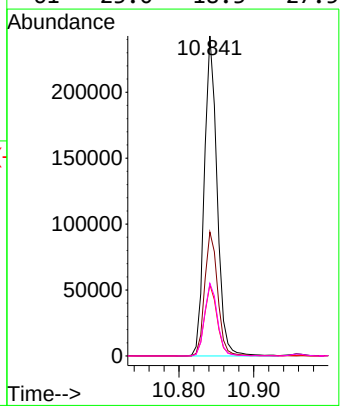


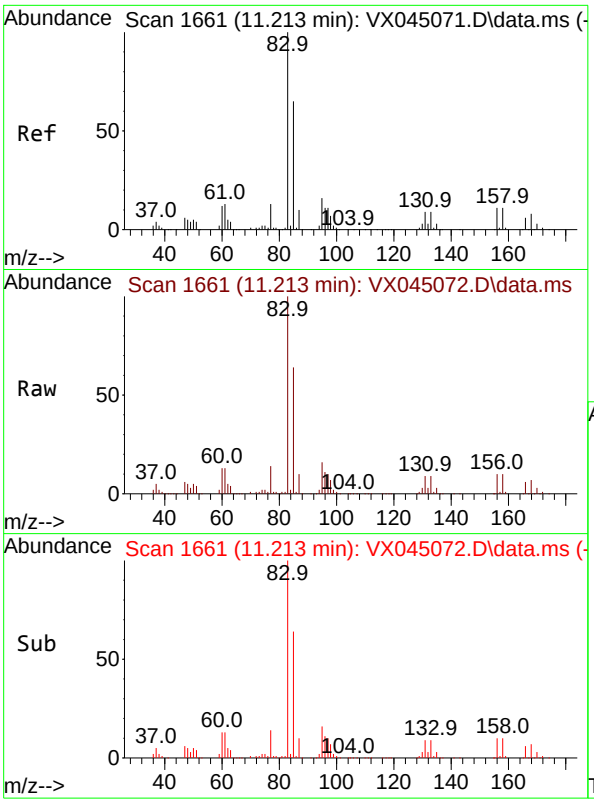


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



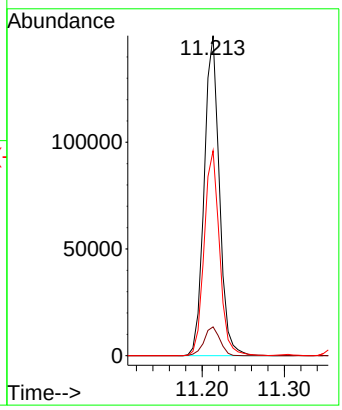


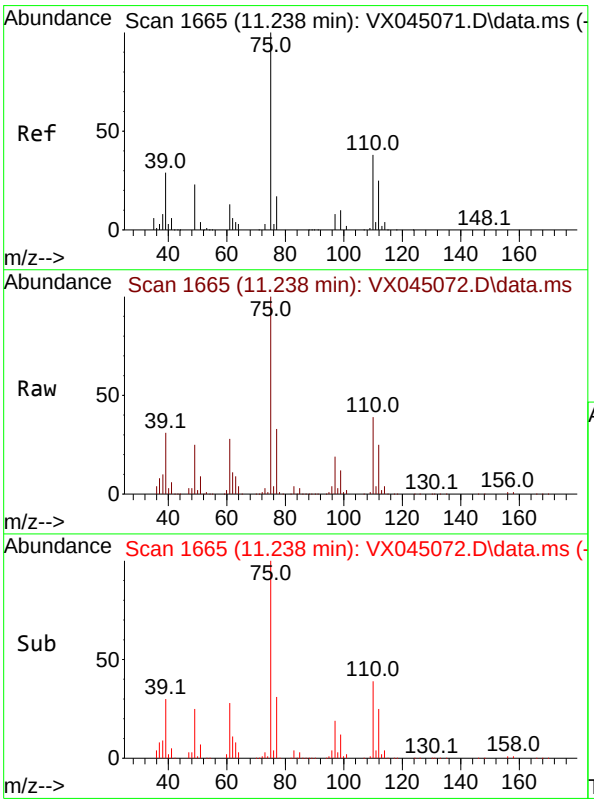
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 192217

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1

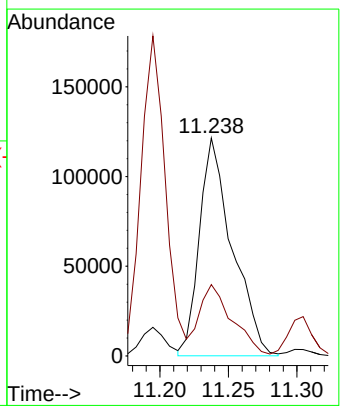


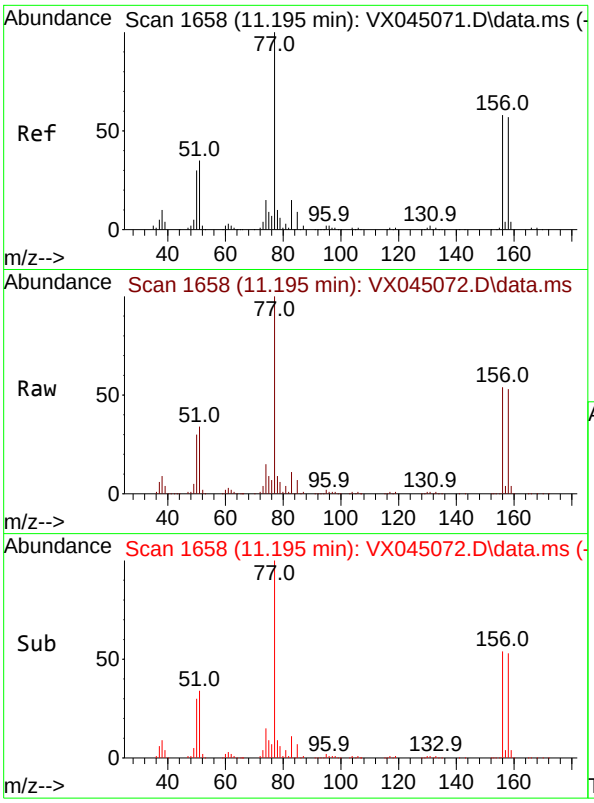


#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 203020

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



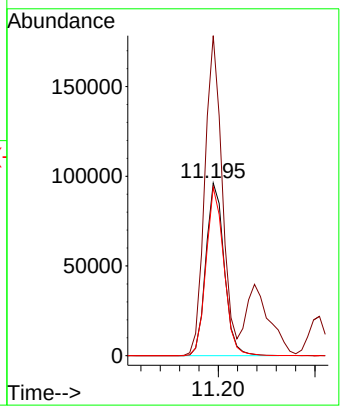


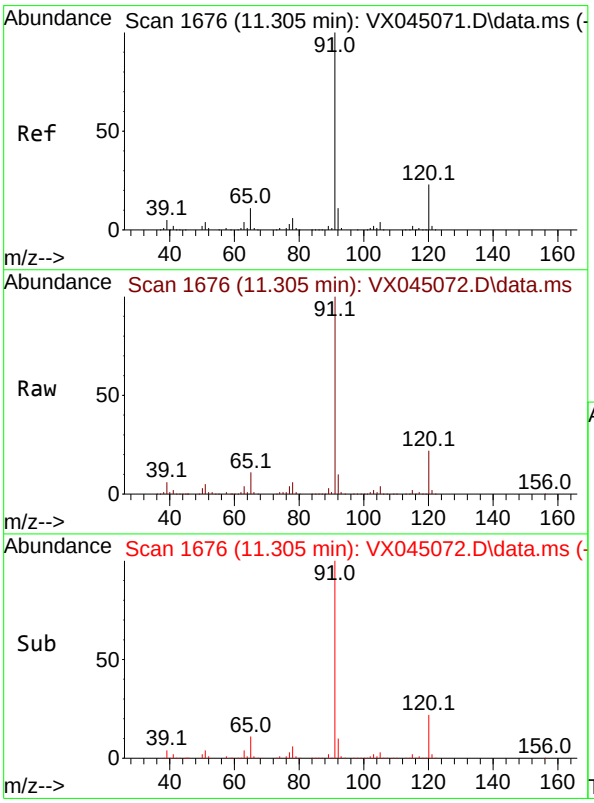
#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 125700

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2

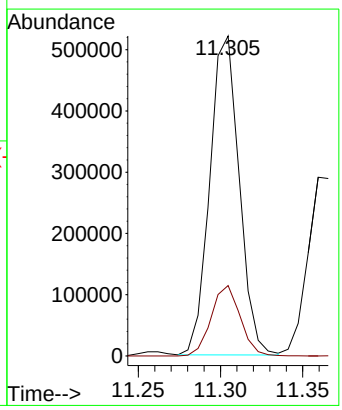


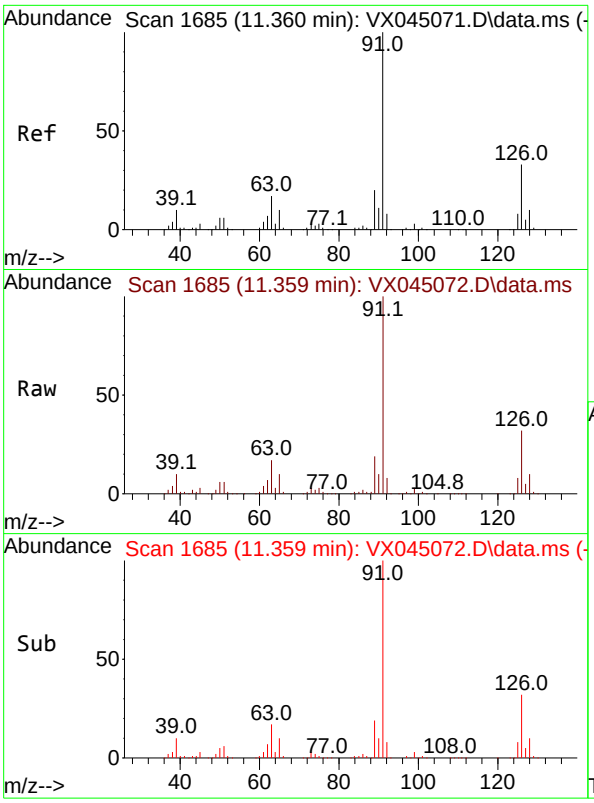


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



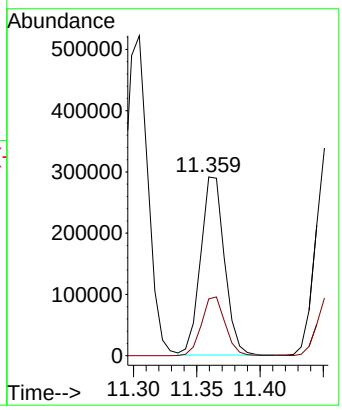


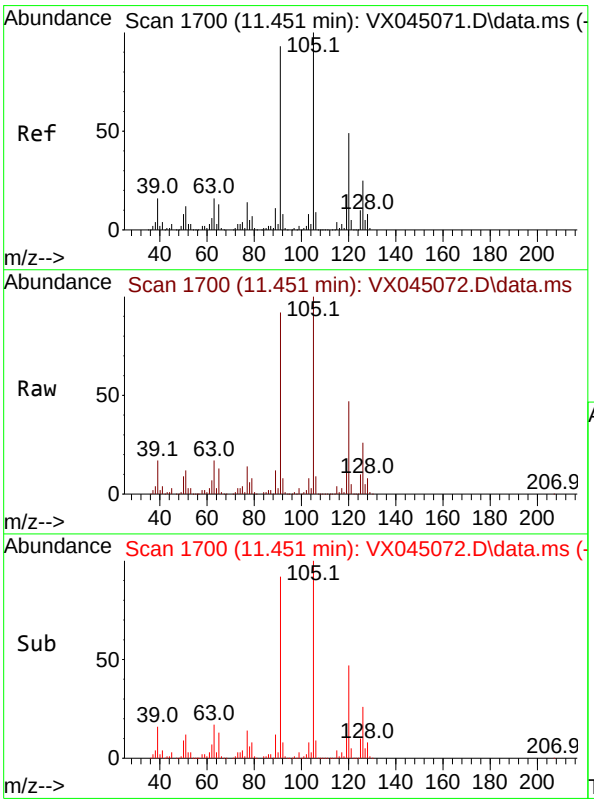
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 382703

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

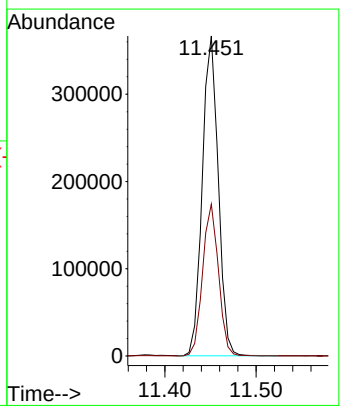


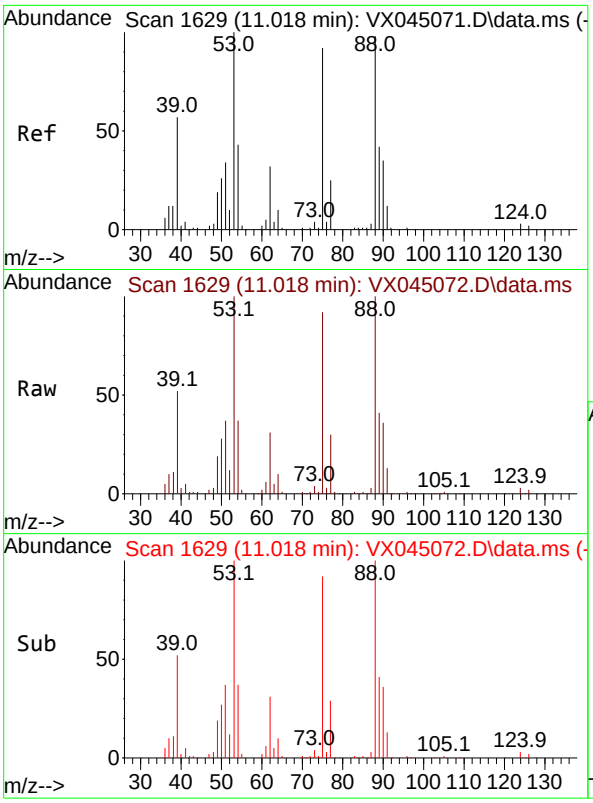


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



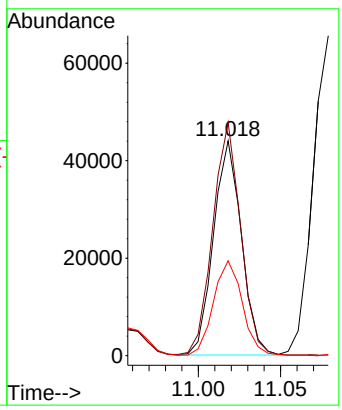


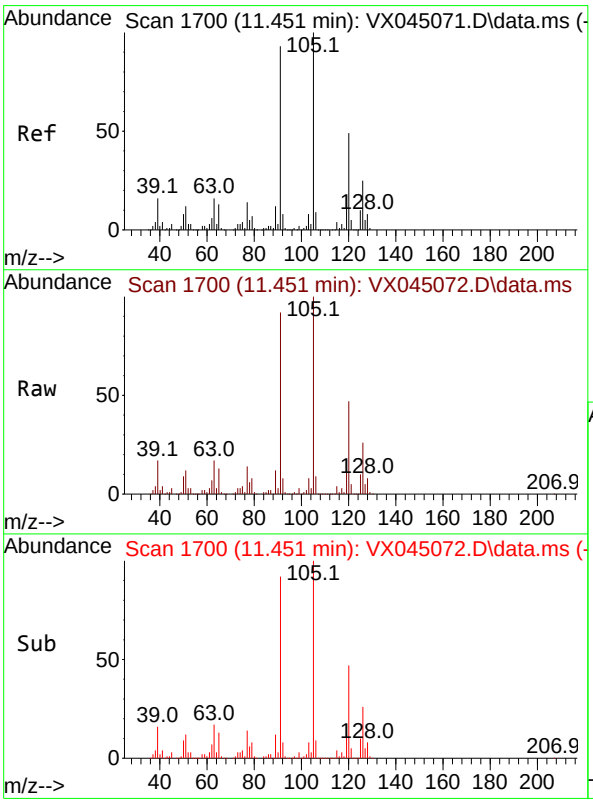
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 51975

Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4

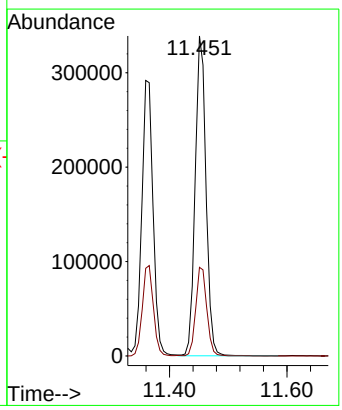


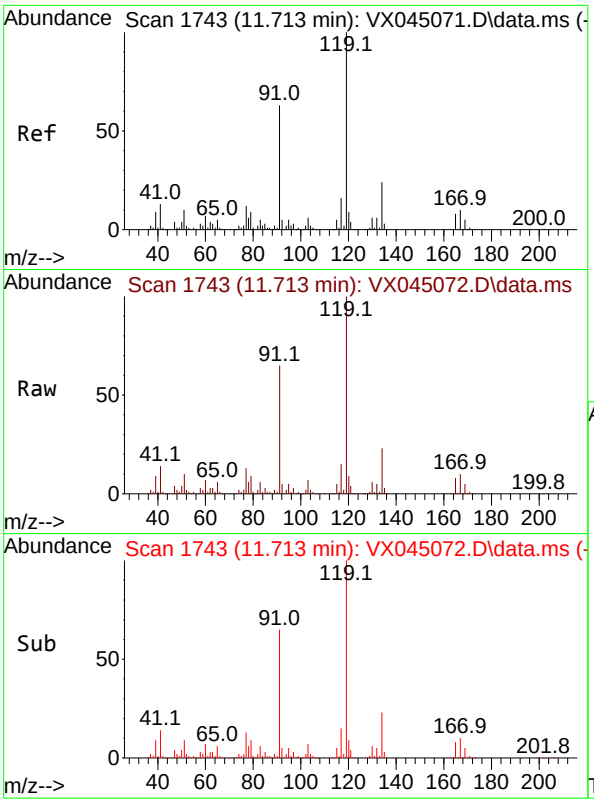


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



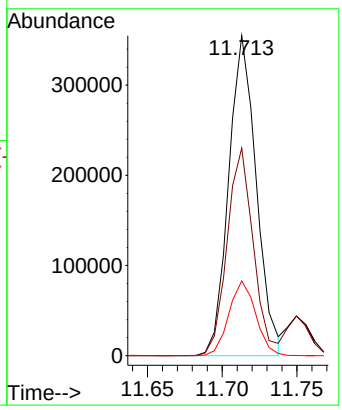


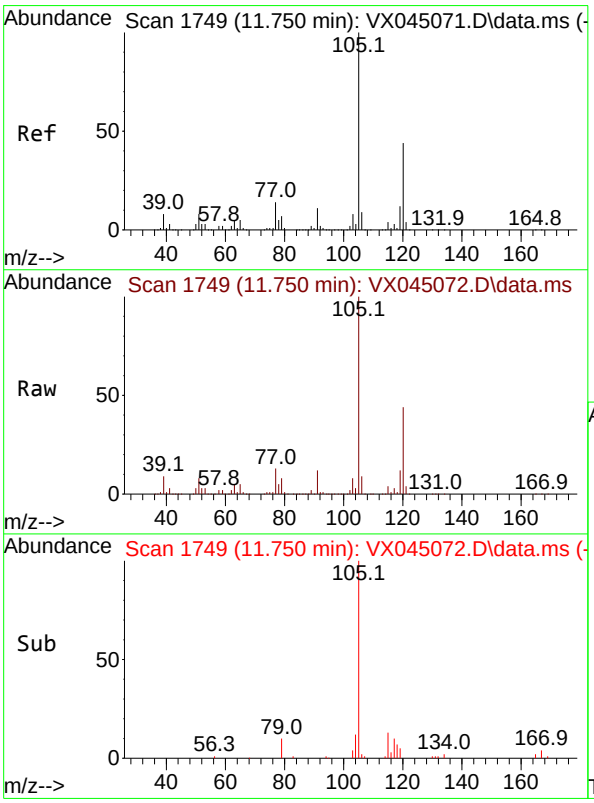
#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 454859

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0

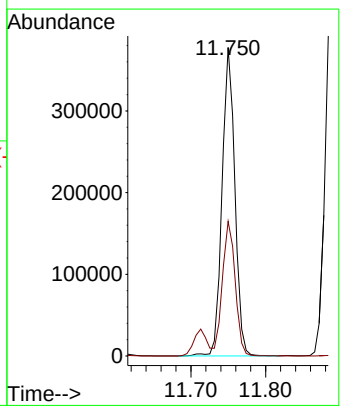


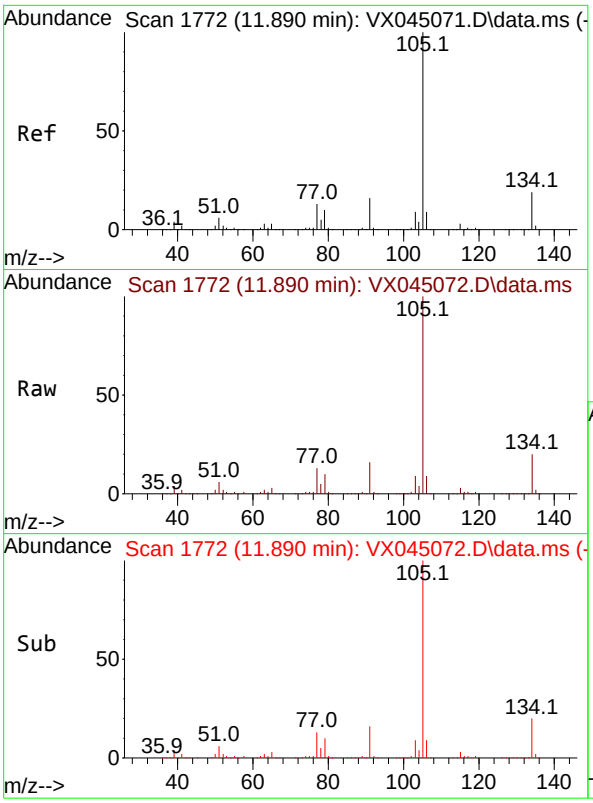


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



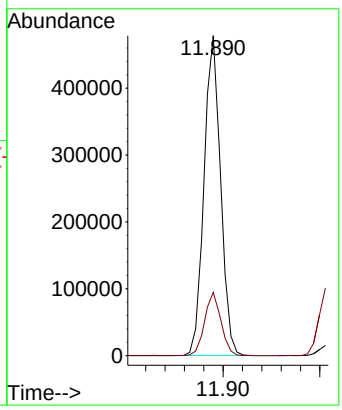


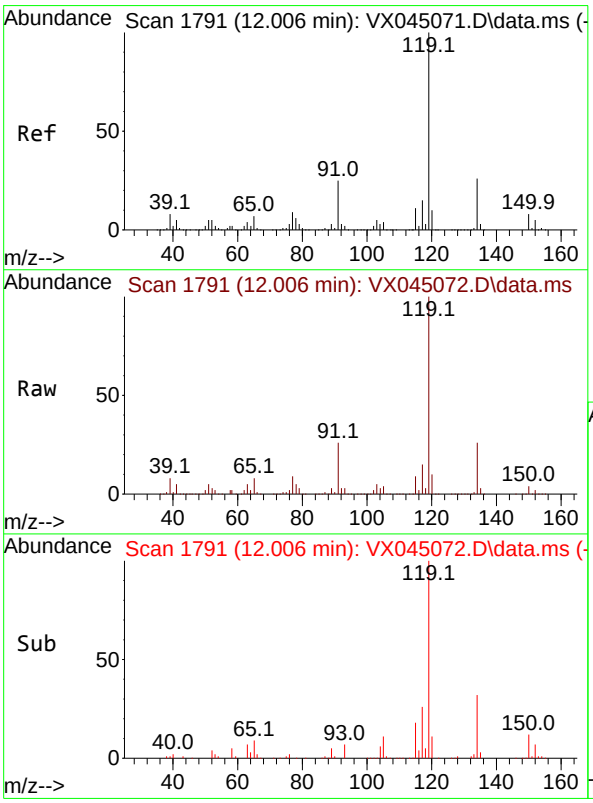
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570006

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

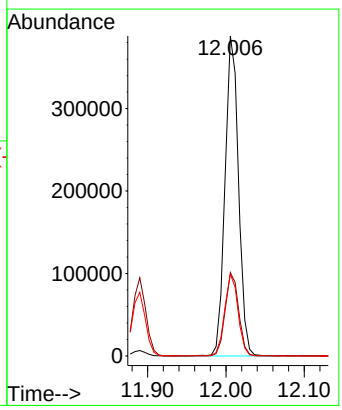


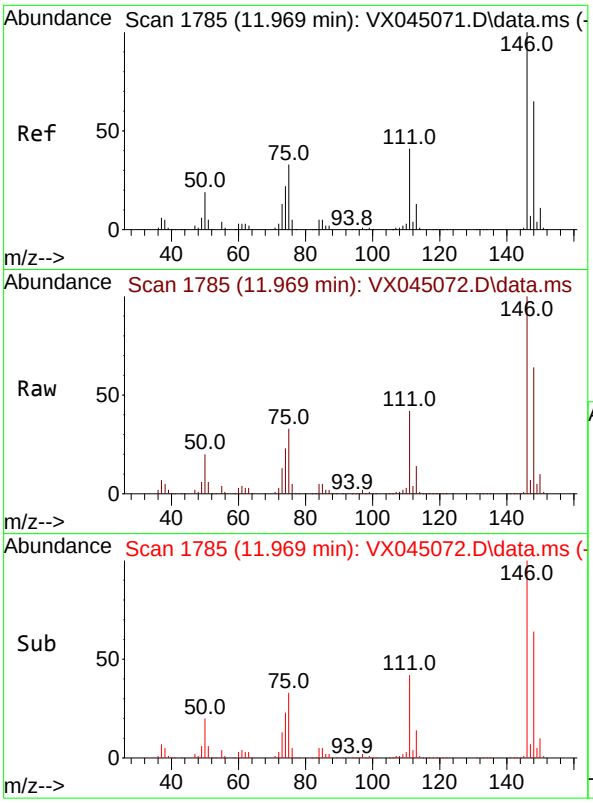


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0



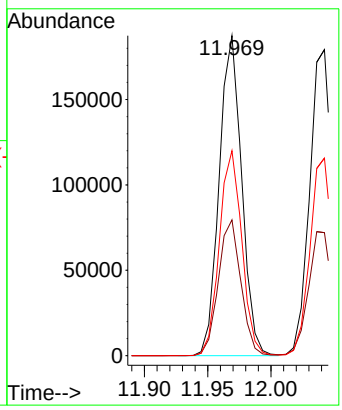


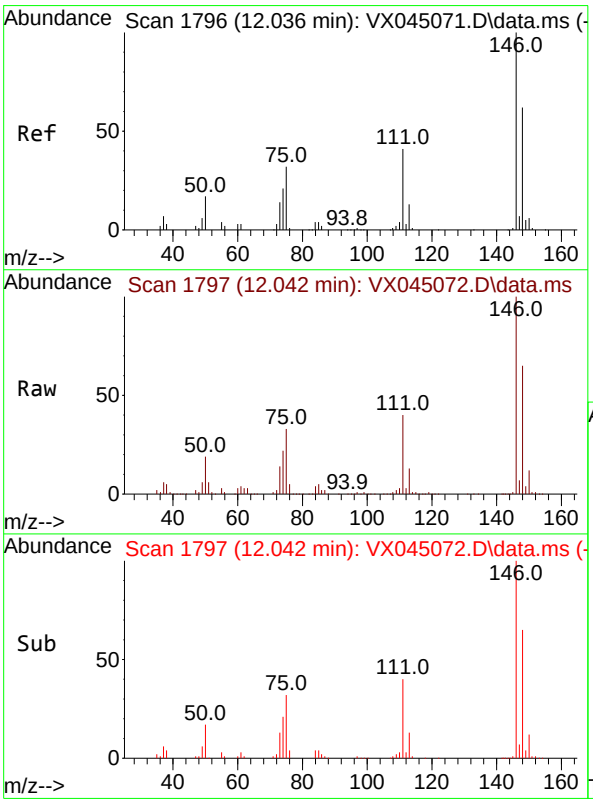
#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 231440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7

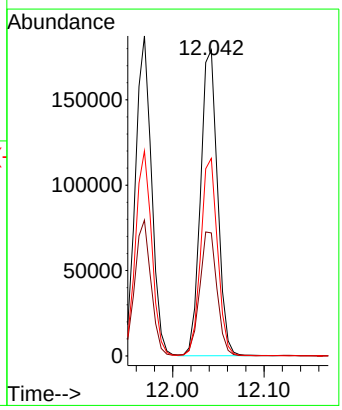


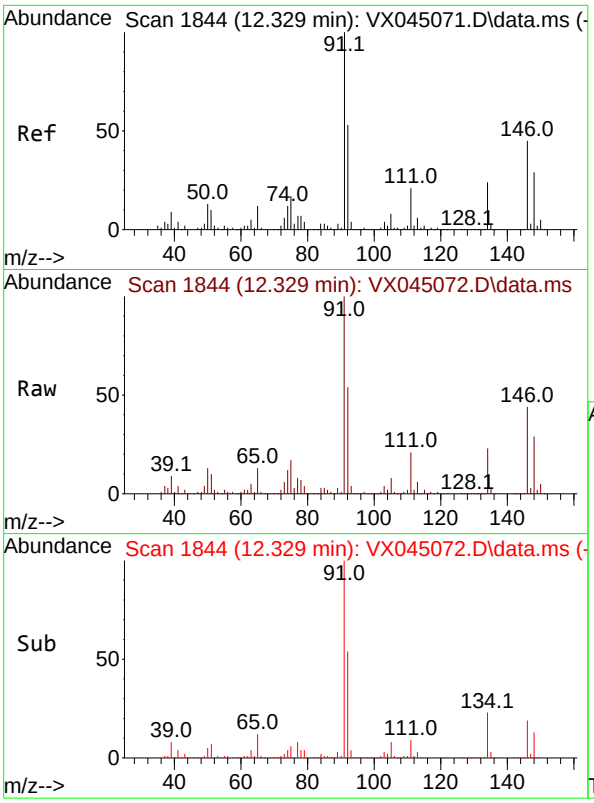


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9



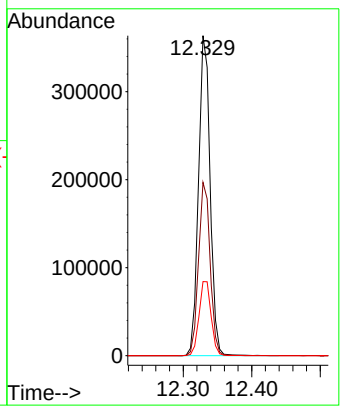


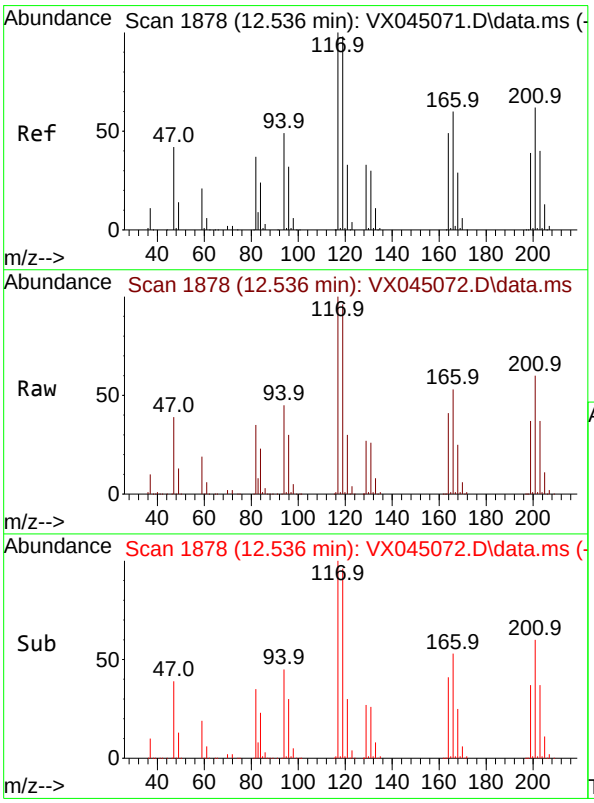
#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 428209

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6

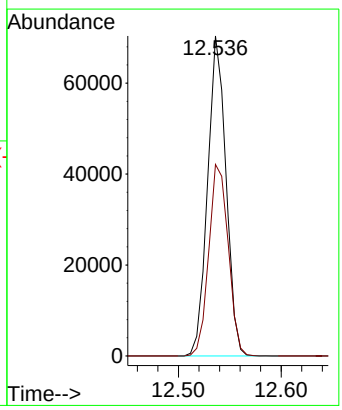


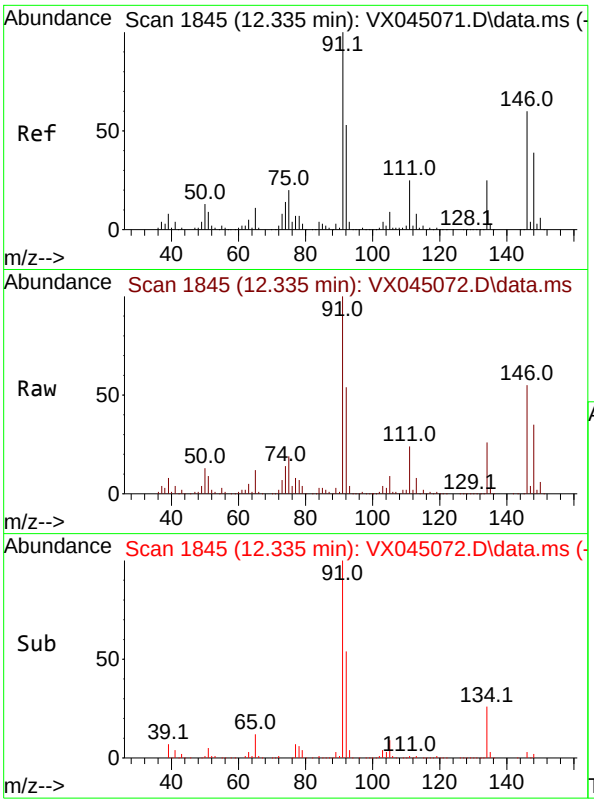


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



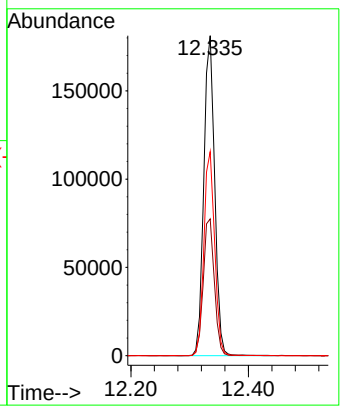


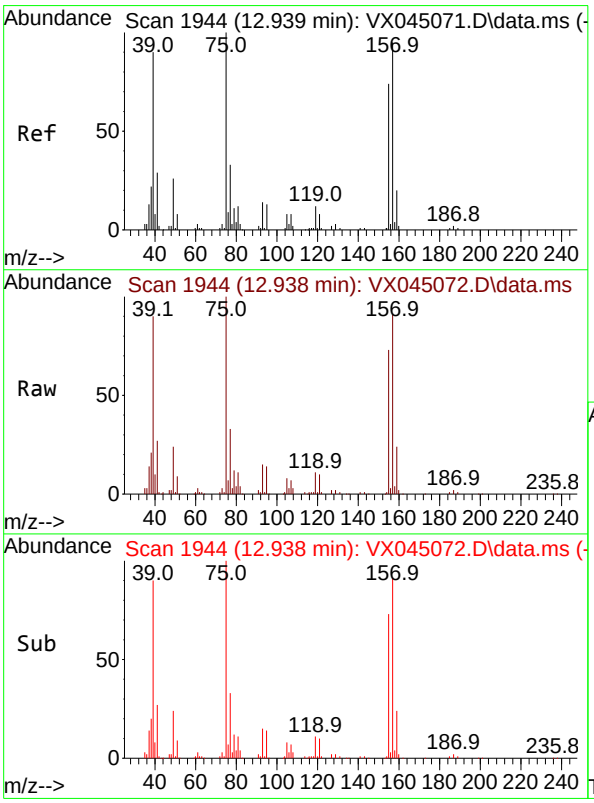
#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 233125

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9

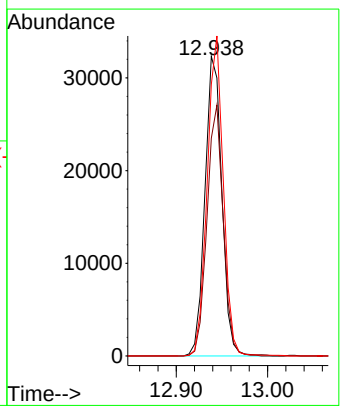


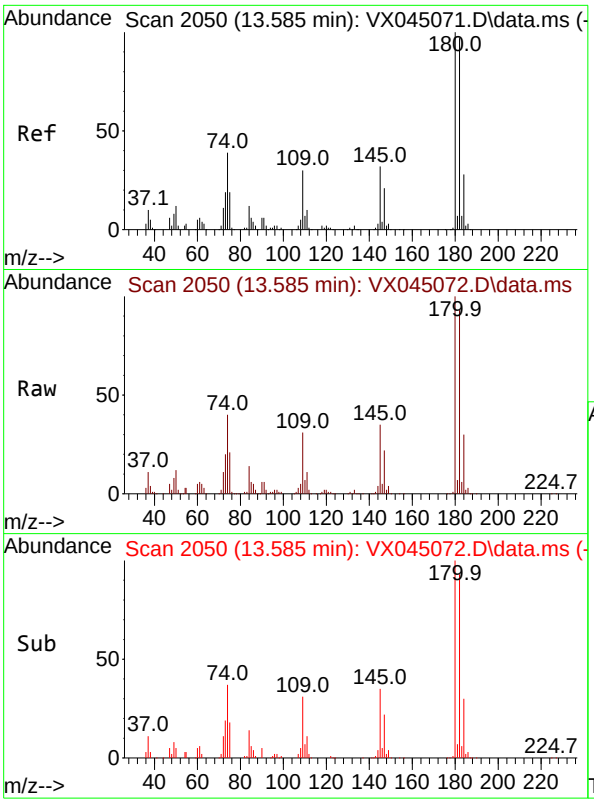


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4



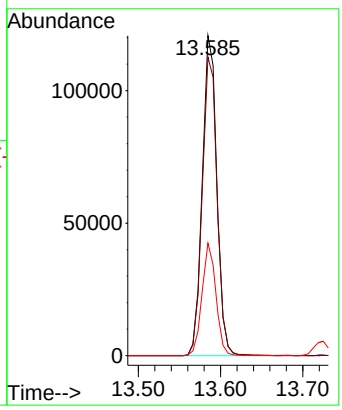


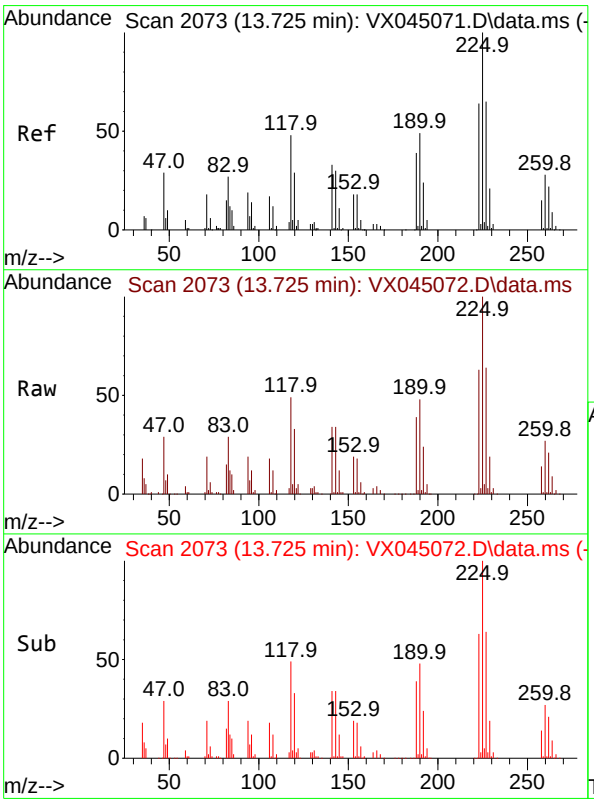
#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 148368

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9

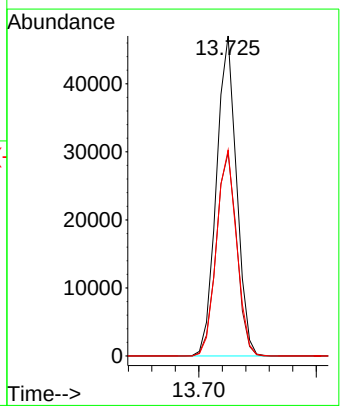


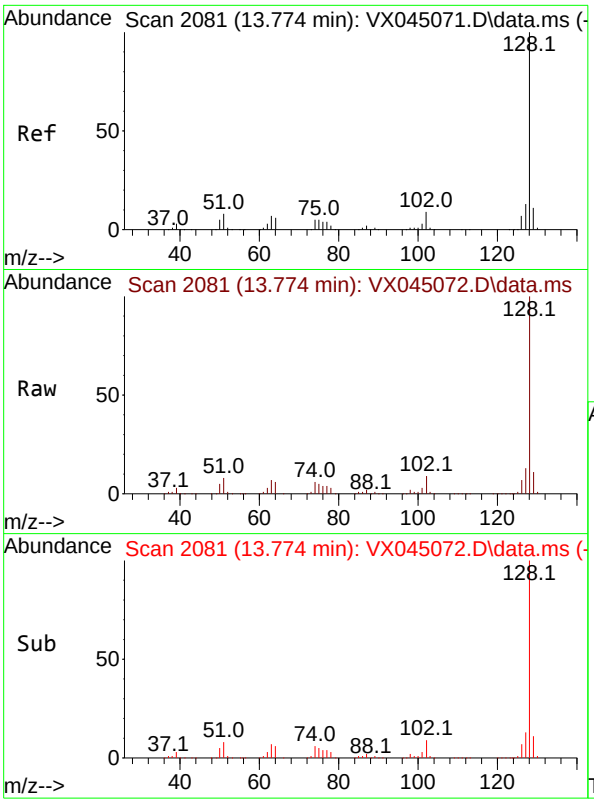


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0



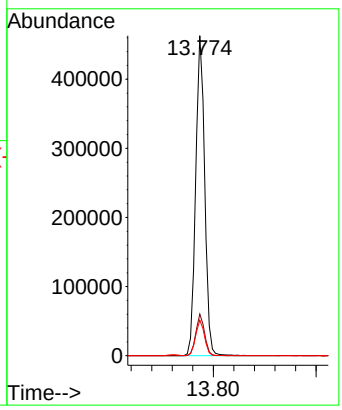


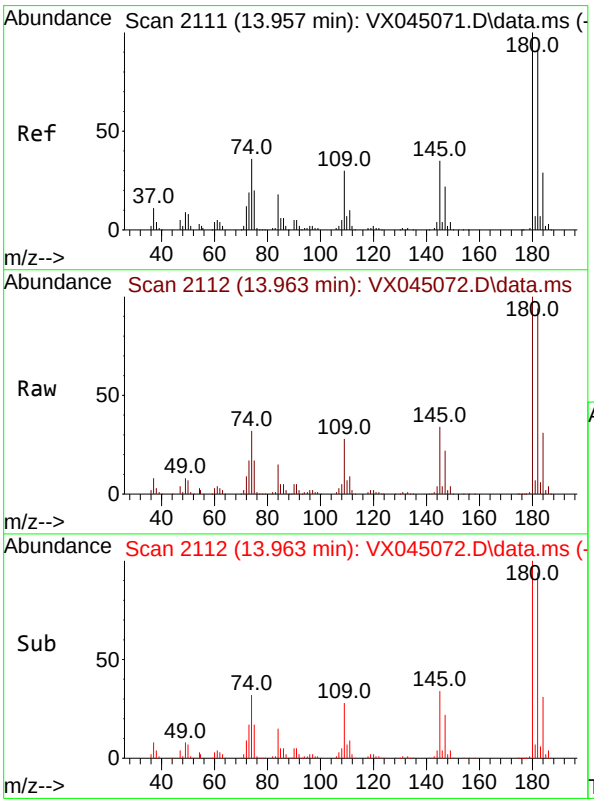
#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 565250

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

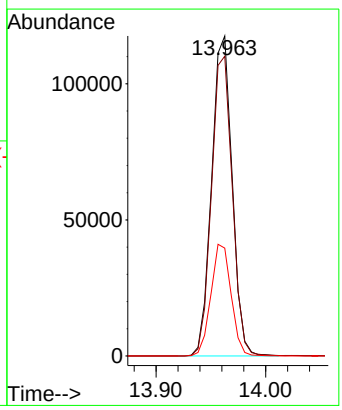




#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l		99
44) Trichloroethene	7.123	130	178483	150.181	ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l		100
46) Dibromomethane	7.580	93	142119	157.443	ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l		99
52) Toluene	8.714	92	448664	145.321	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l		97
69) o-Xylene	10.640	106	302495	143.259	ug/l		99
70) Styrene	10.653	104	512379	150.979	ug/l		99
71) Bromoform	10.799	173	135388	174.808	ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	303633	201.103	ug/l		86
77) Bromobenzene	11.195	156	180997	145.760	ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l		99
95) Naphthalene	13.774	128	828949	168.538	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

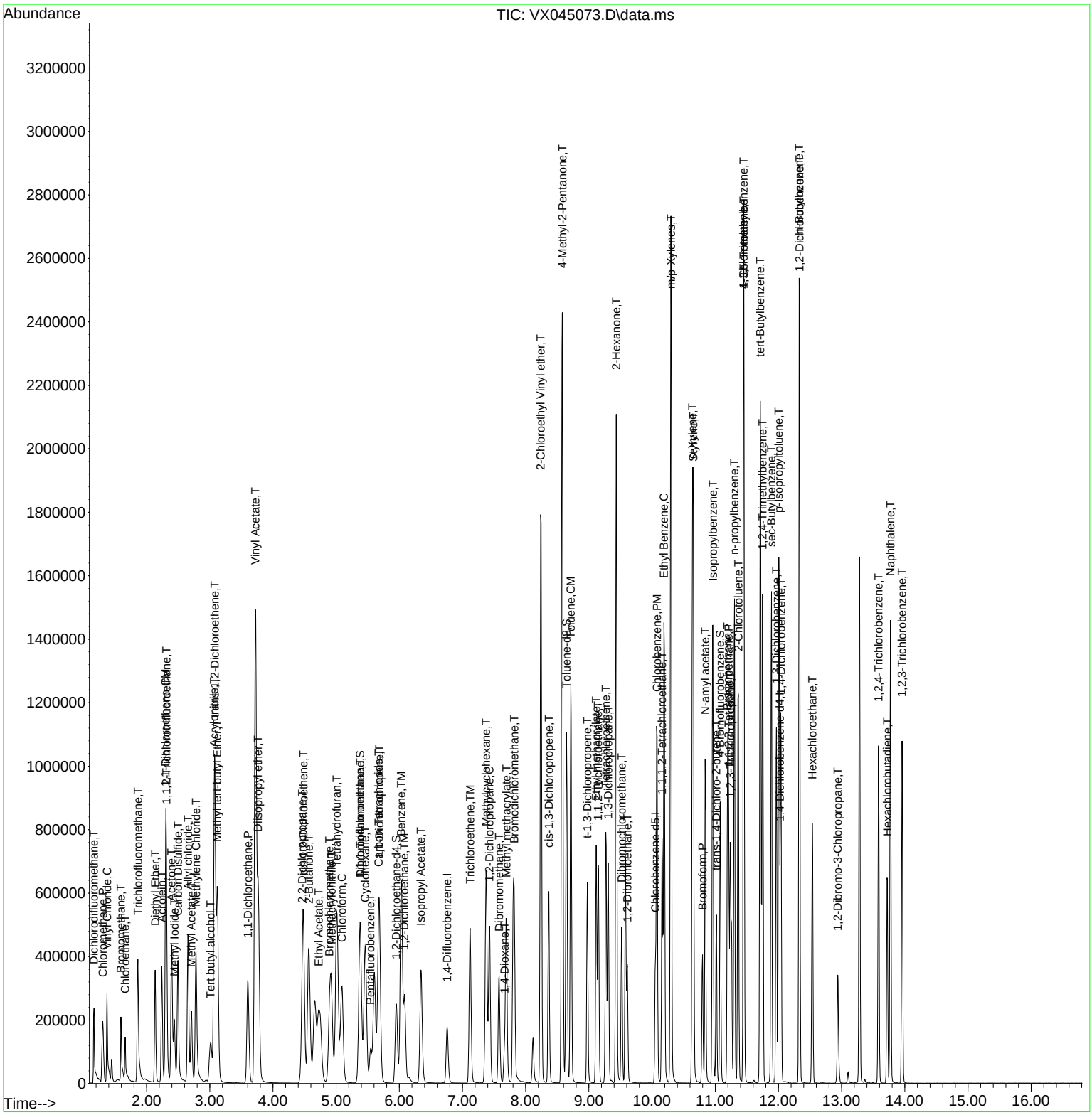
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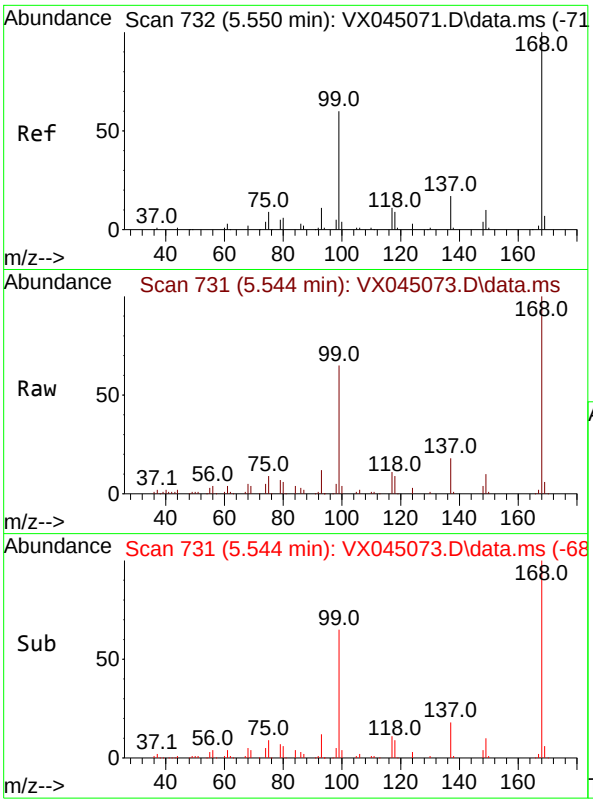
Quantitation Report (Not Reviewed)

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Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



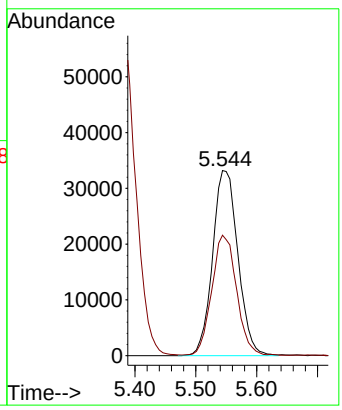


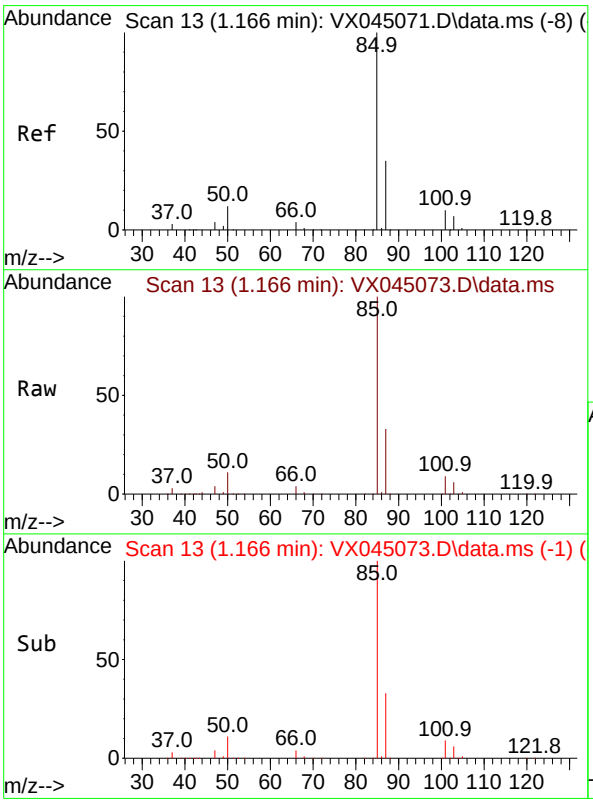
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

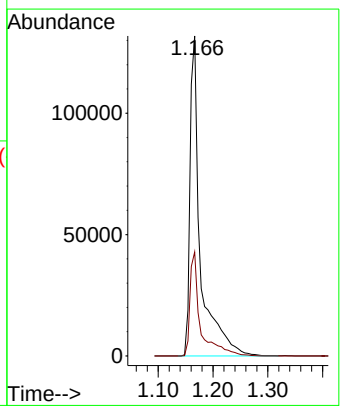


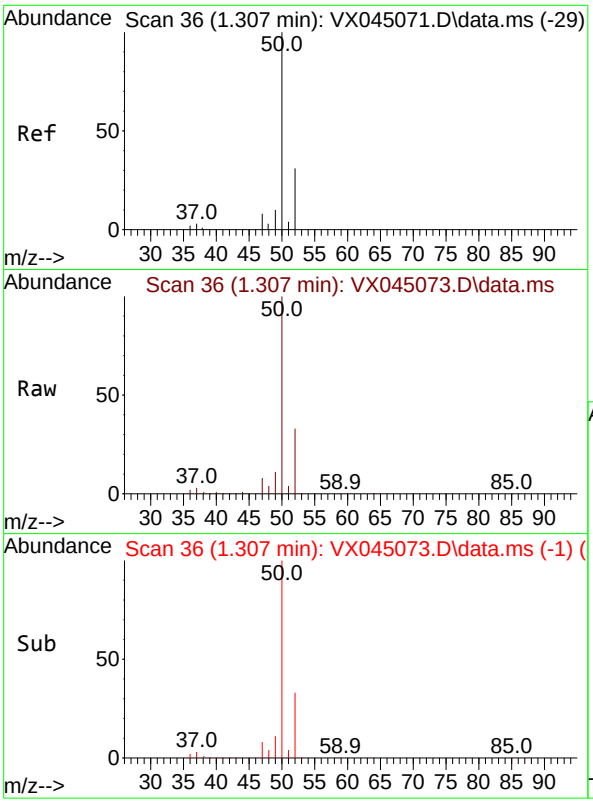


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



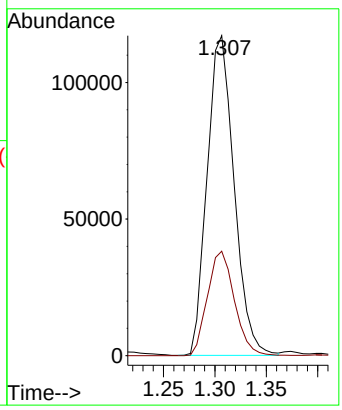


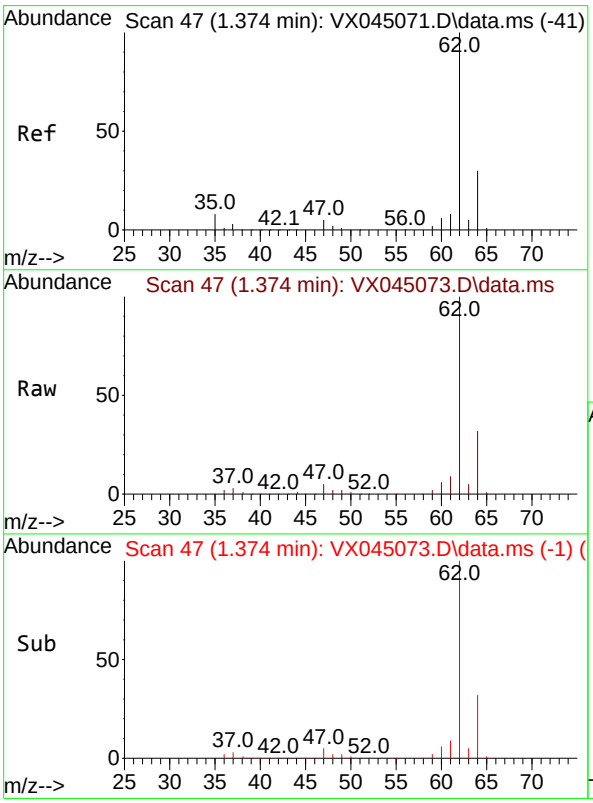
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

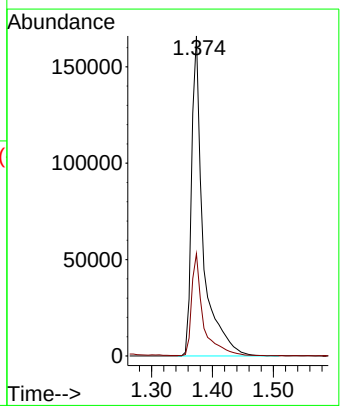


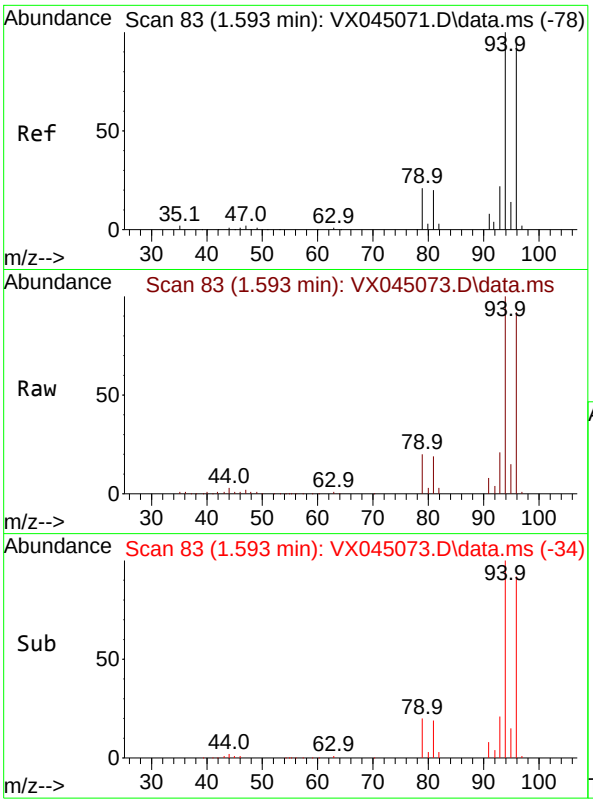


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5



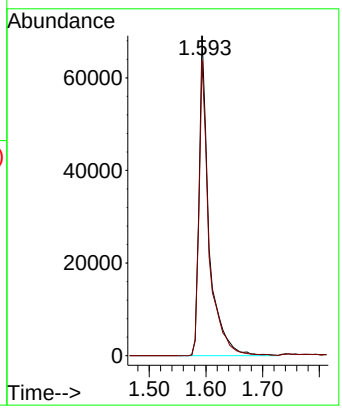


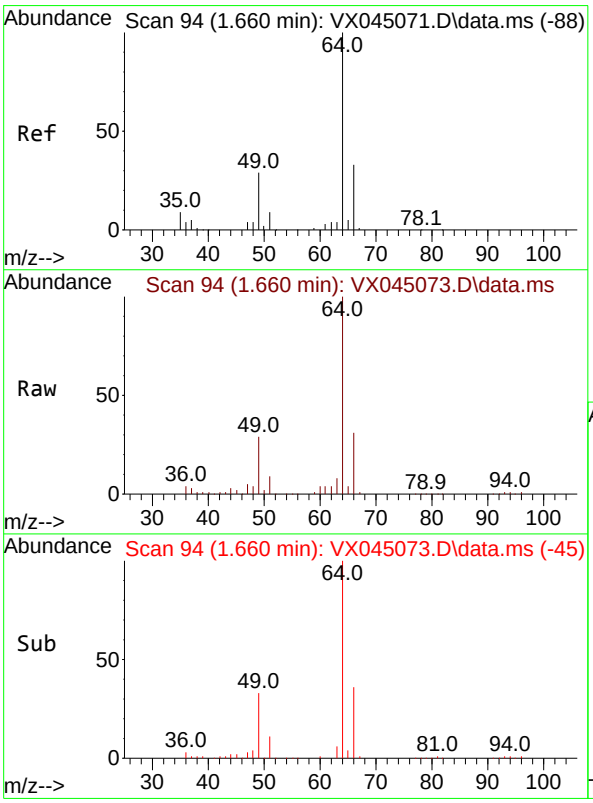
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83547

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

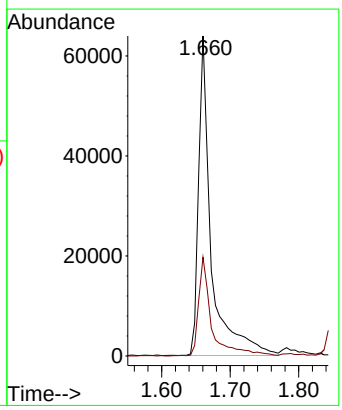


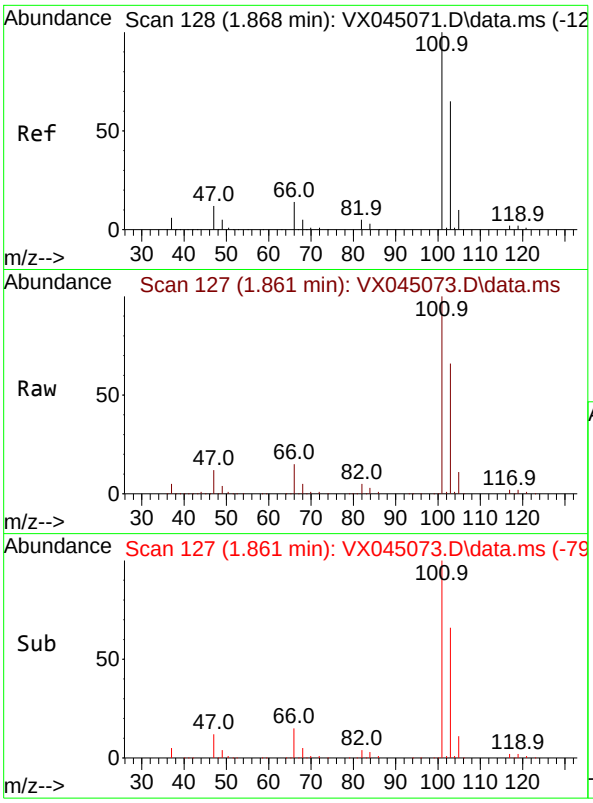


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1



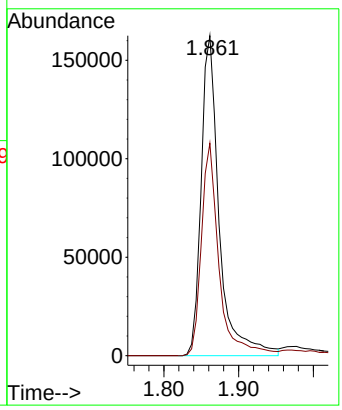


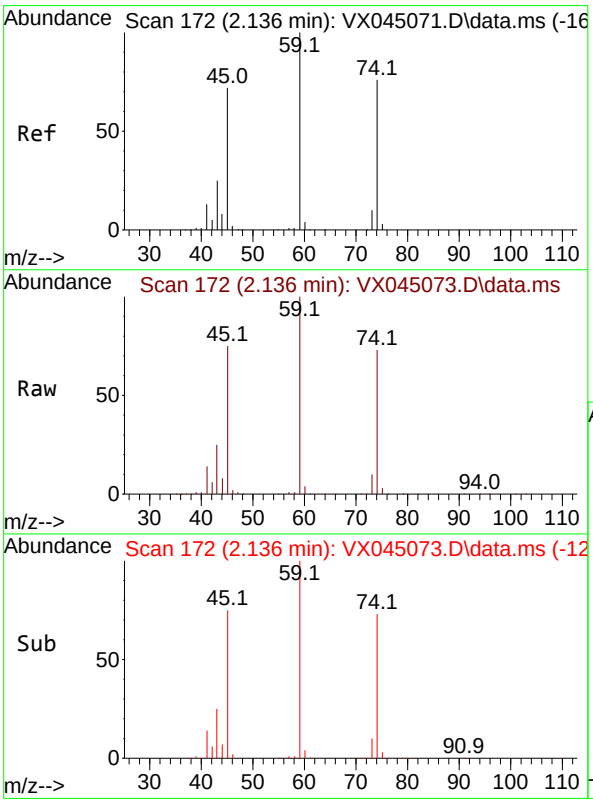
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 272235

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

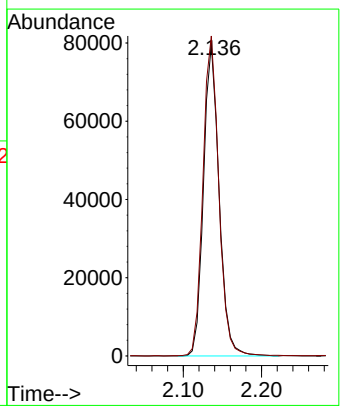


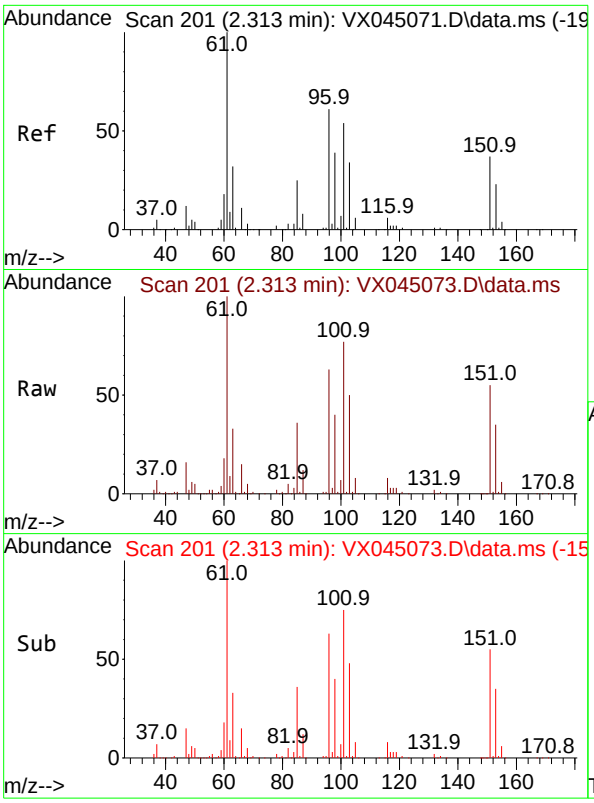


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5



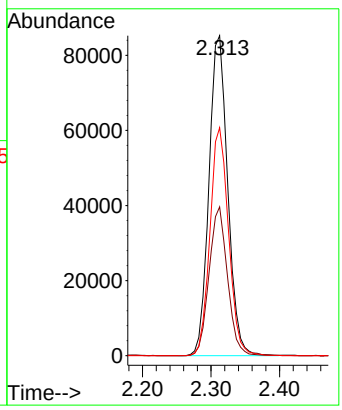


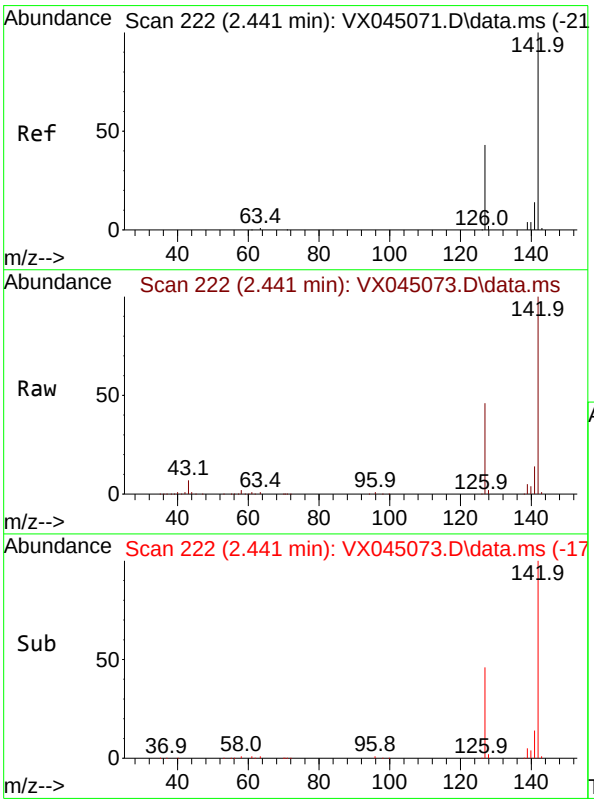
#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 161825

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

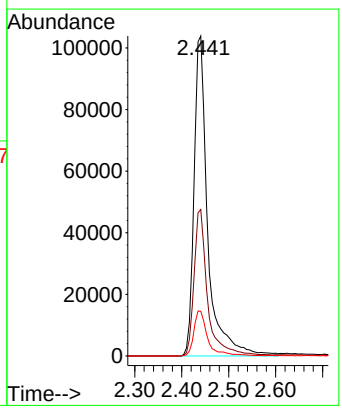


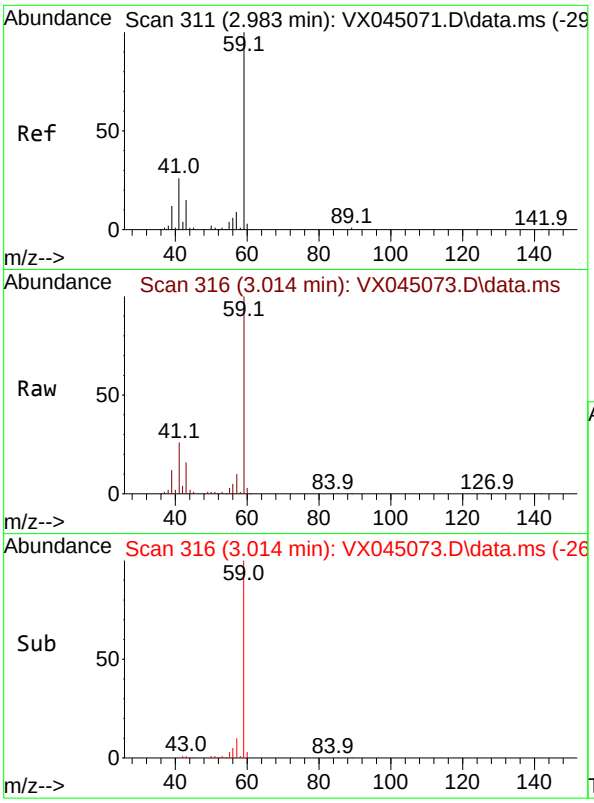


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4



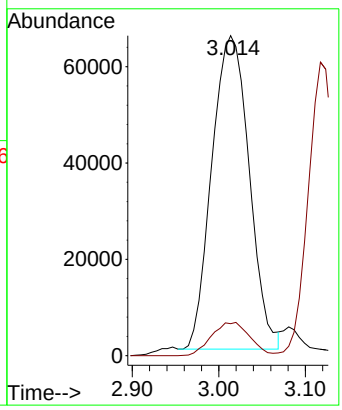


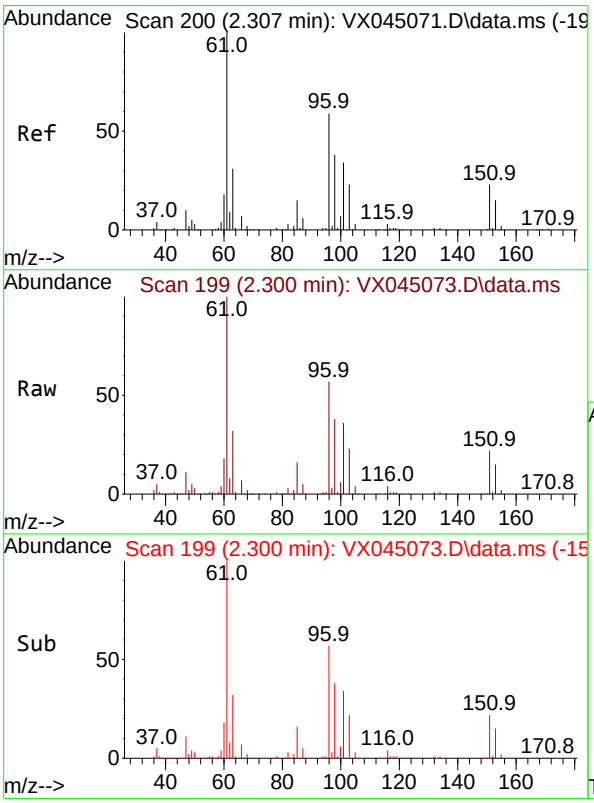
#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 195415

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

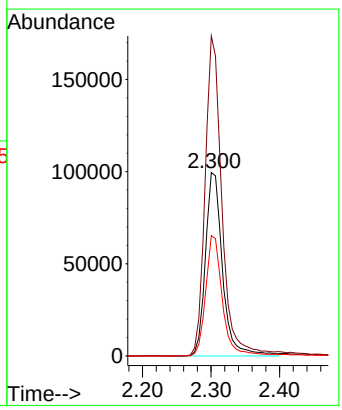


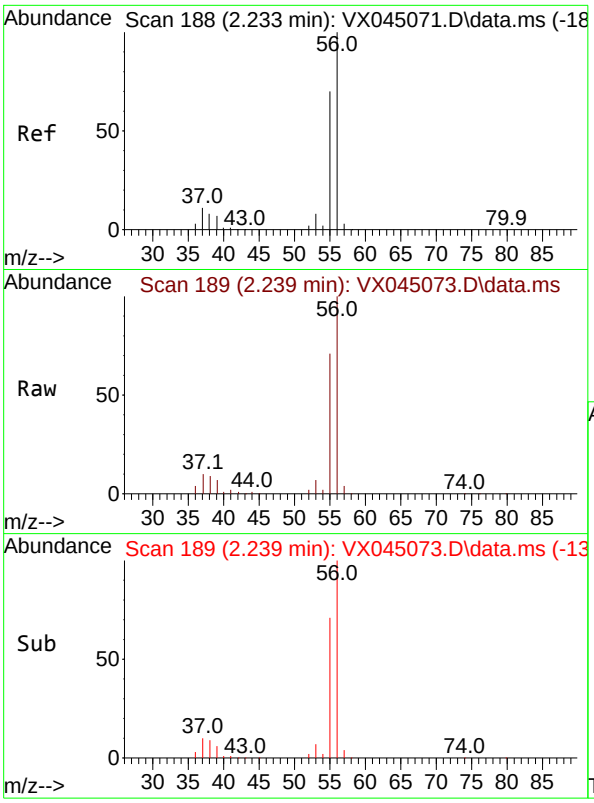


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6



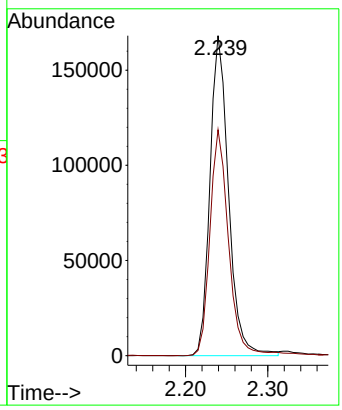


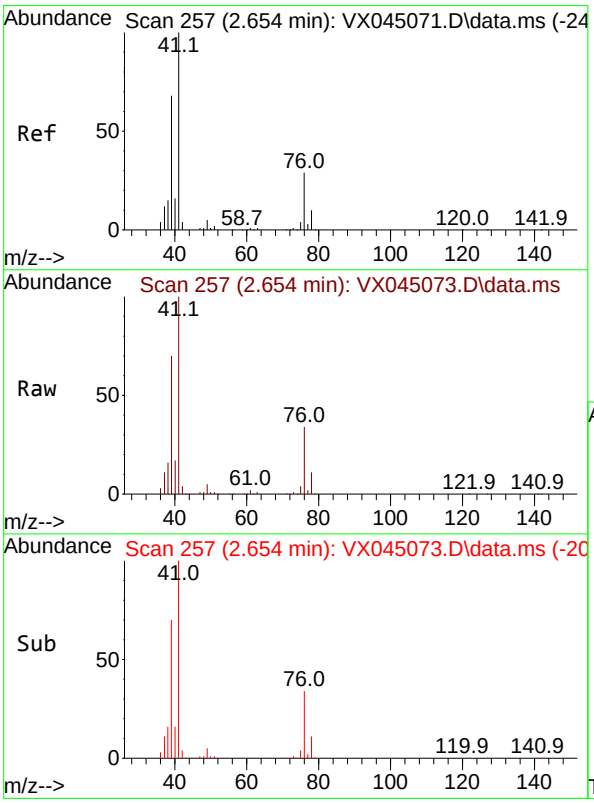
#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 263999

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

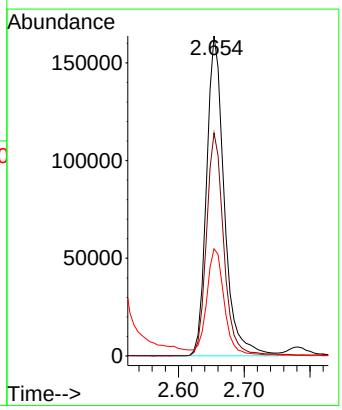


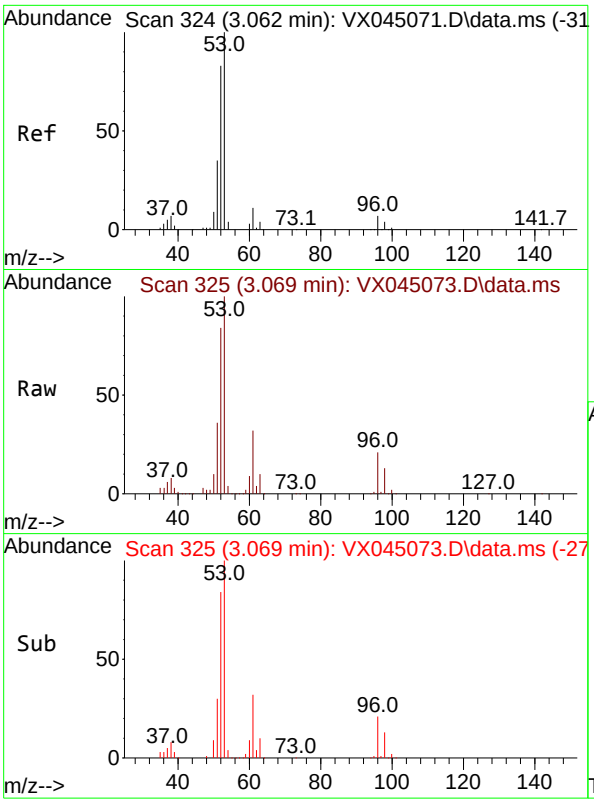


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8



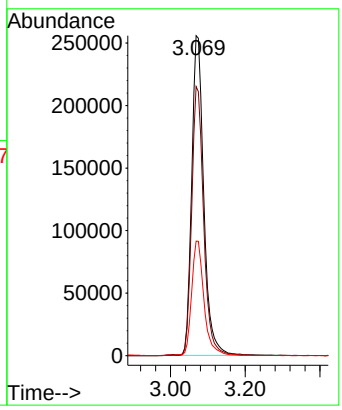


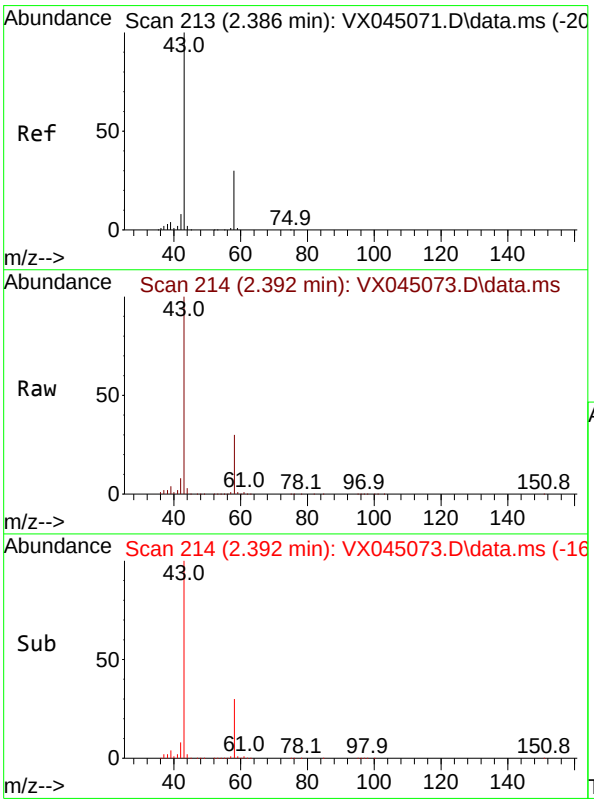
#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 573208

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4

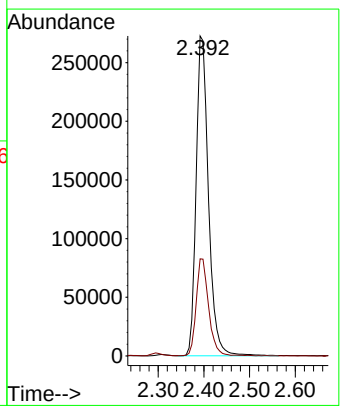


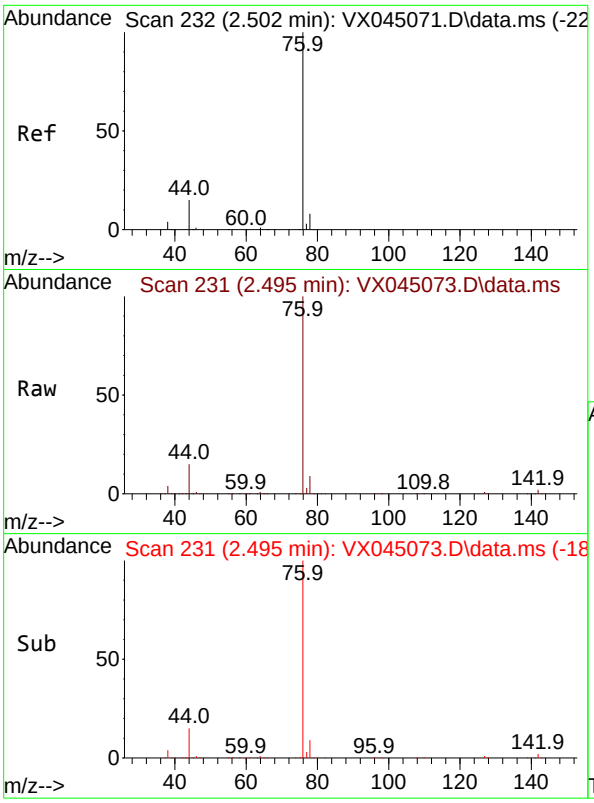


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



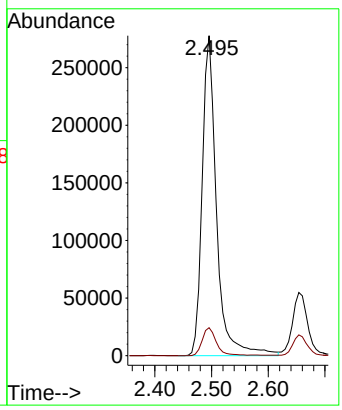


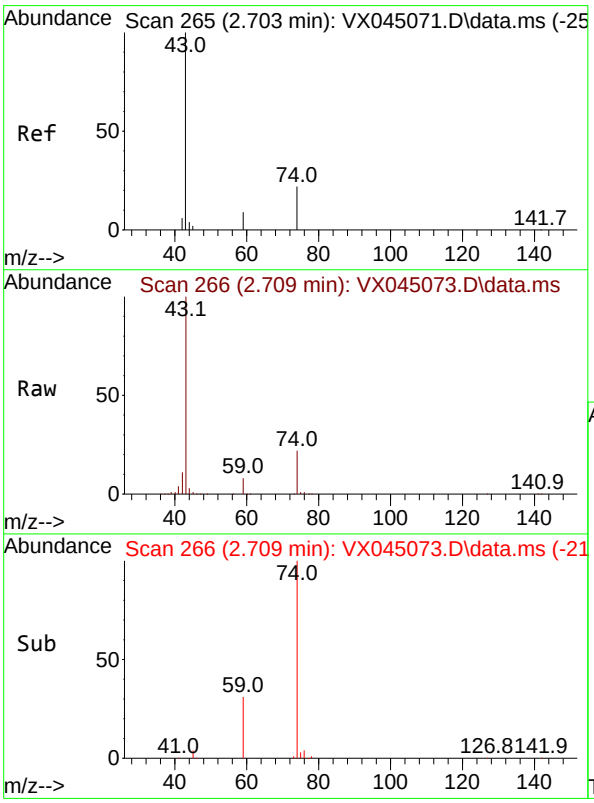
#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 487720

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

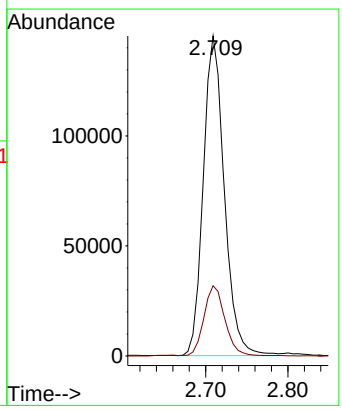


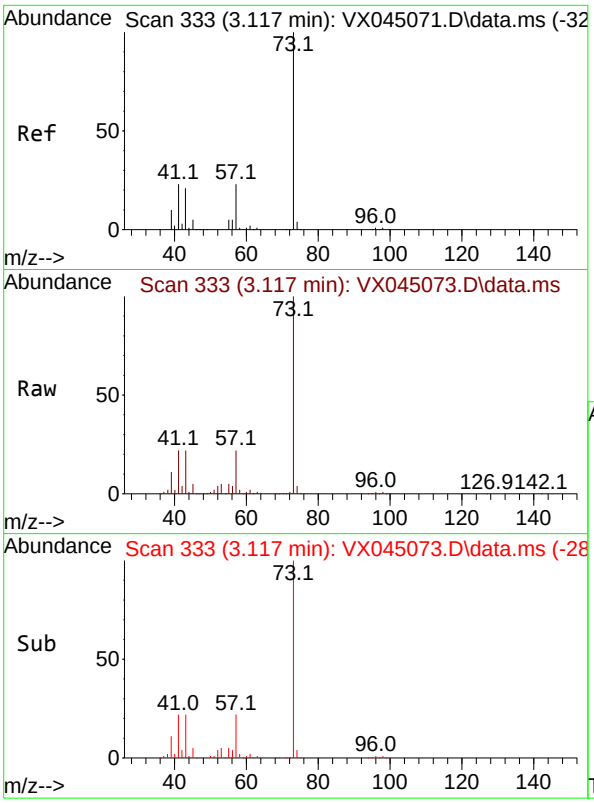


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



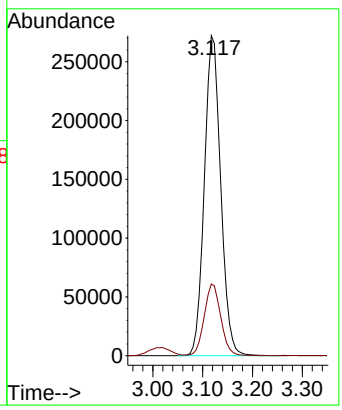


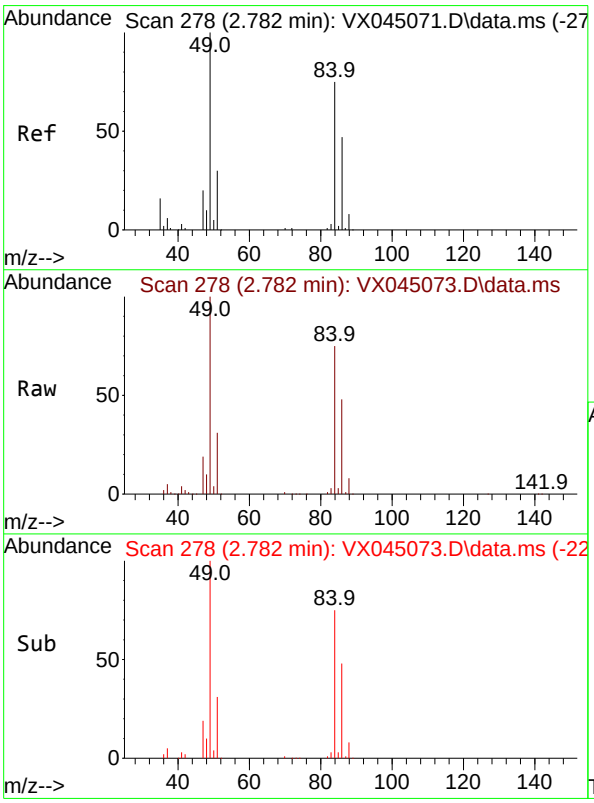
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 619778

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

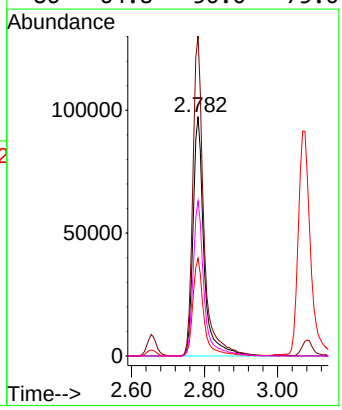


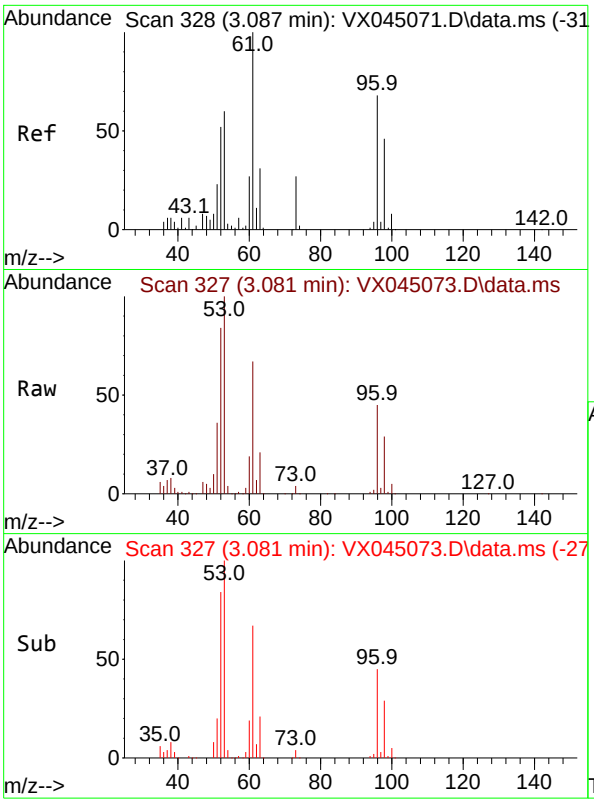


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0



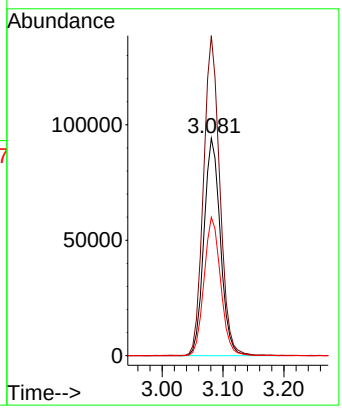


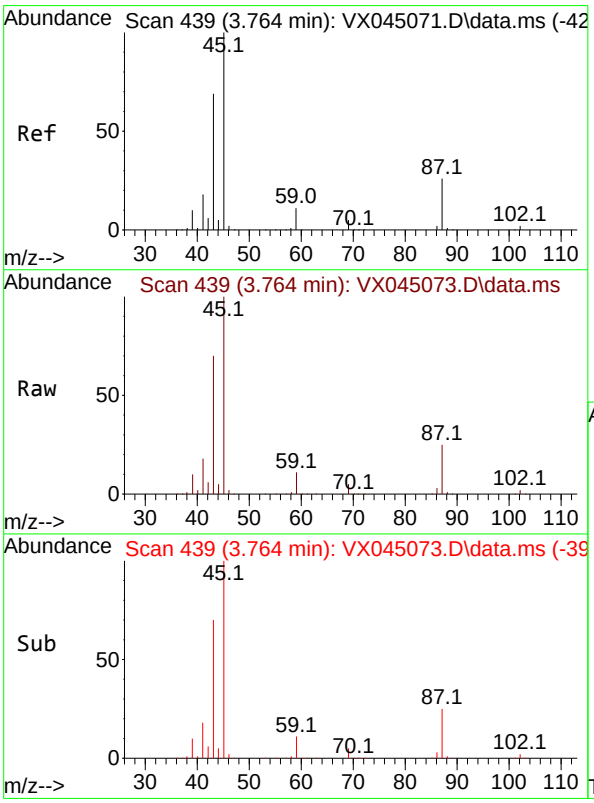
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 176924

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2

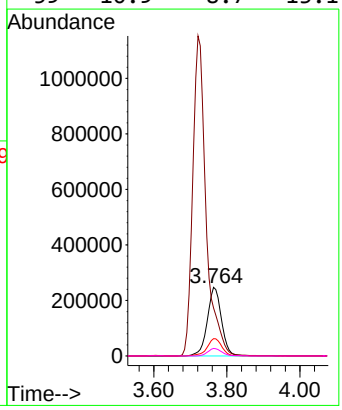


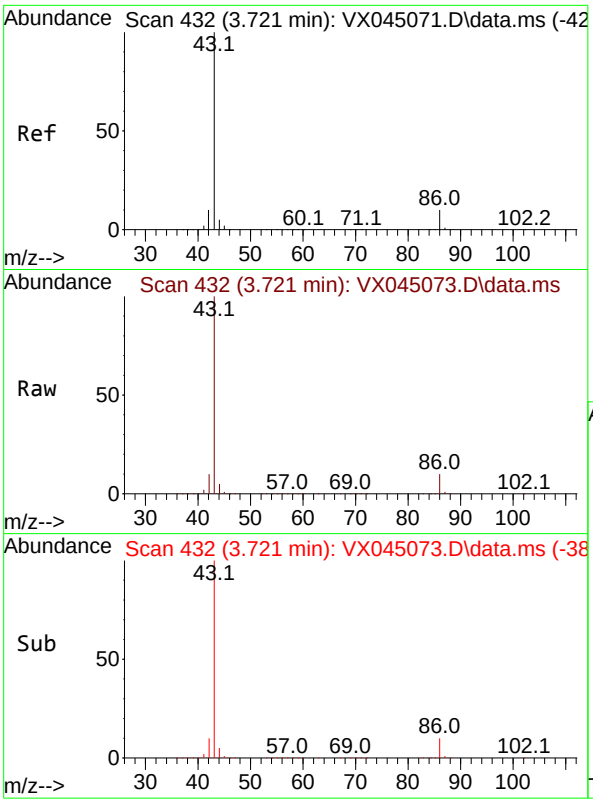


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1



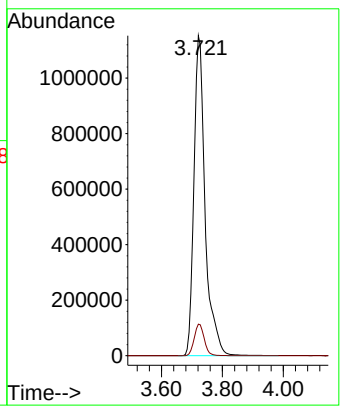


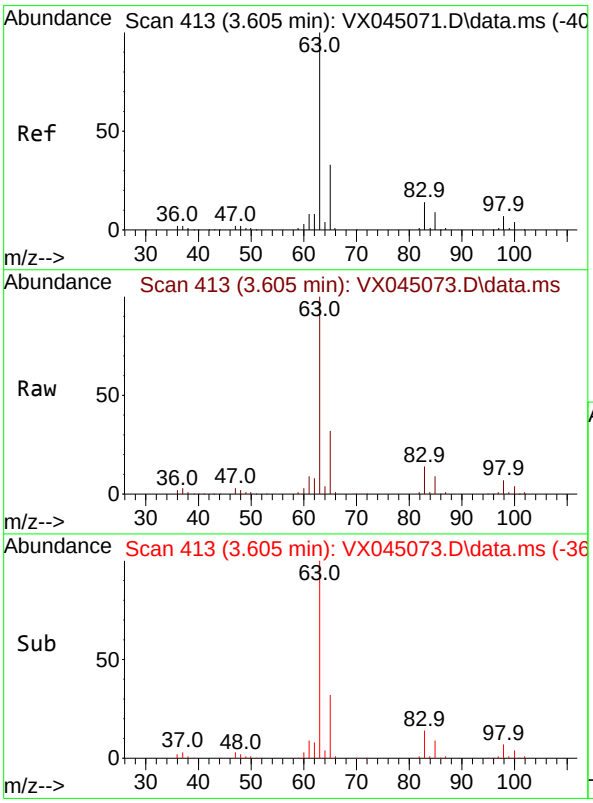
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

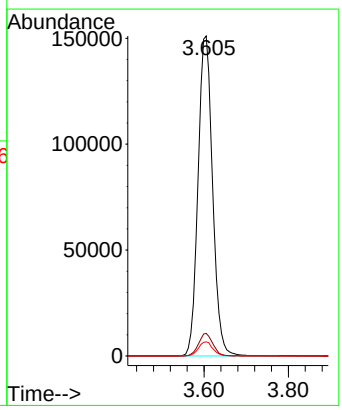


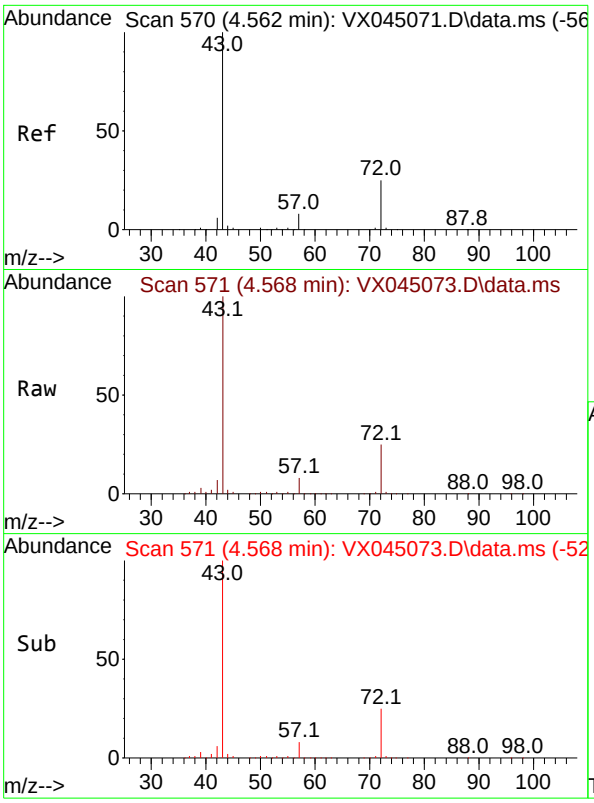


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5



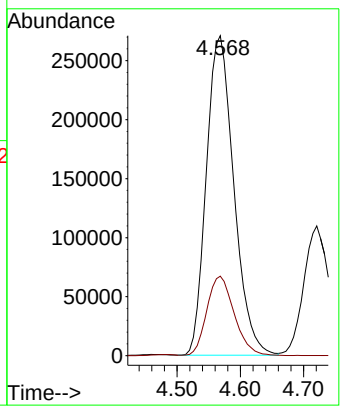


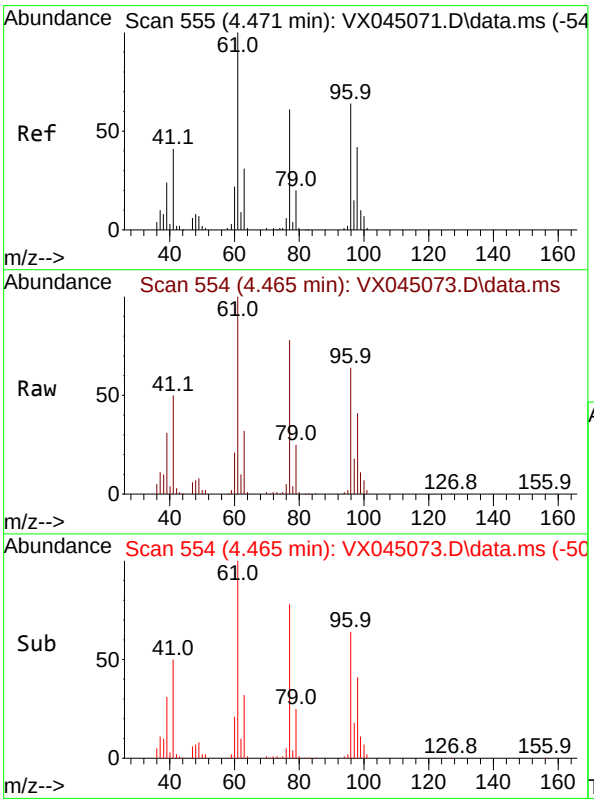
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 818497

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

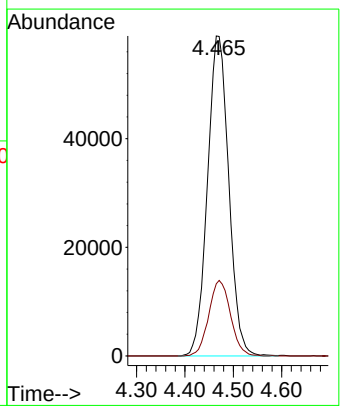


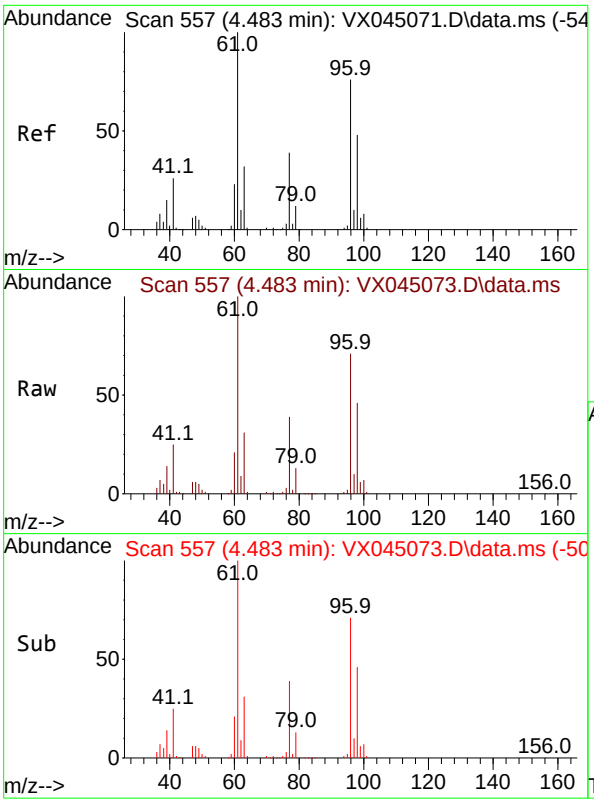


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0



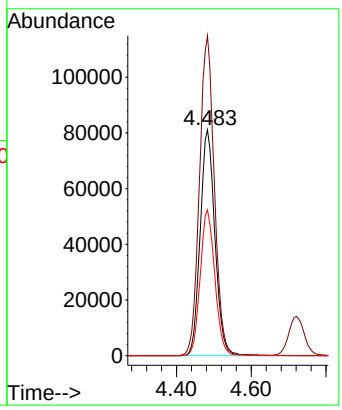


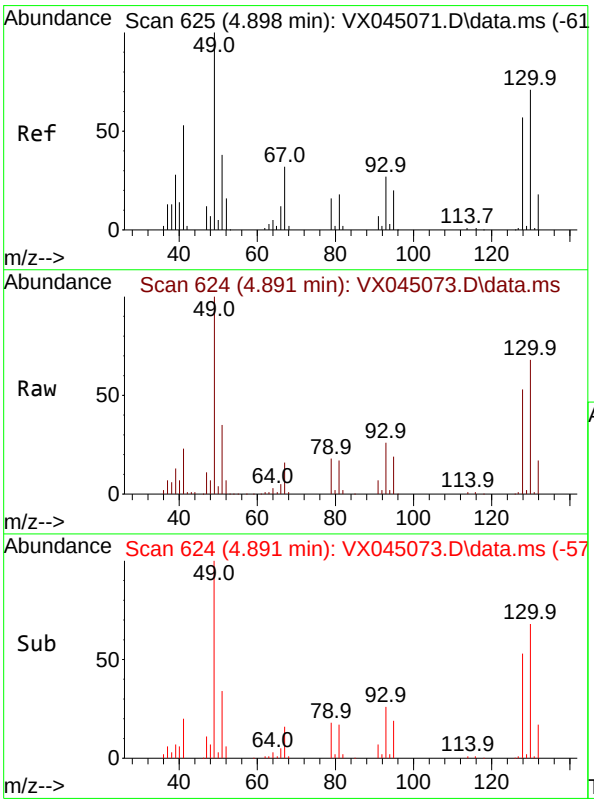
#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 220826

Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0

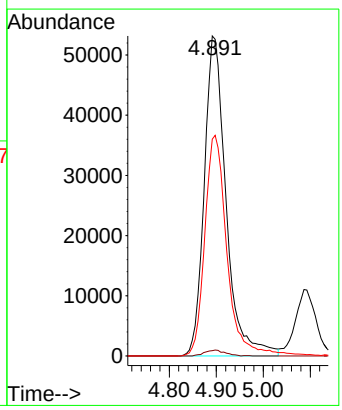


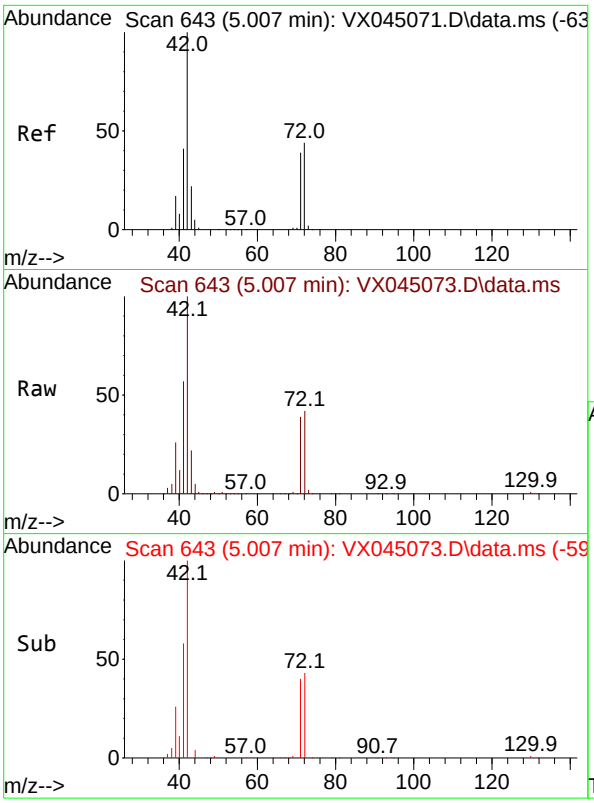


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1



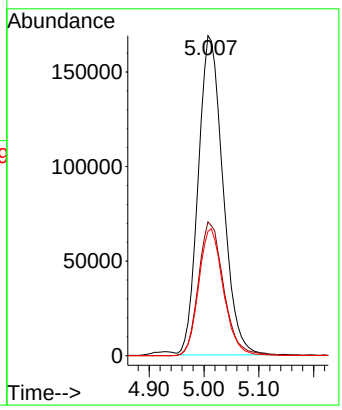


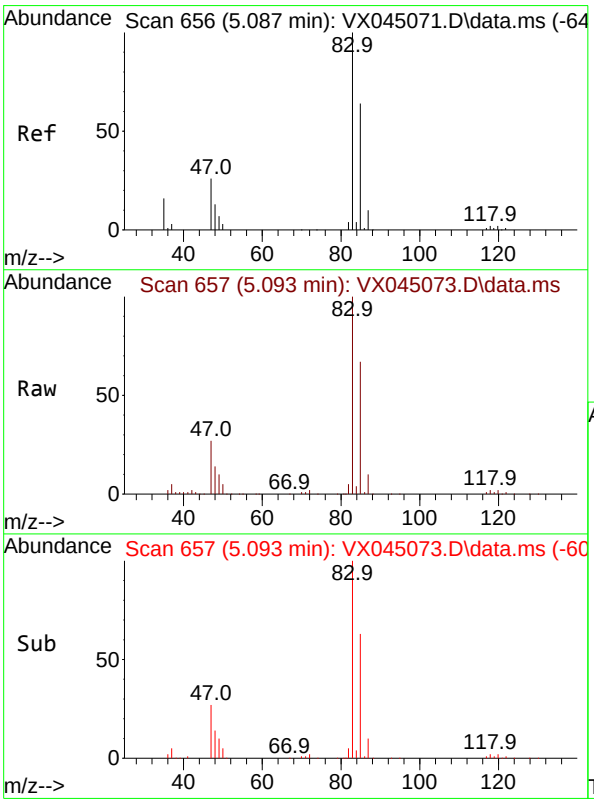
#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 528574

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

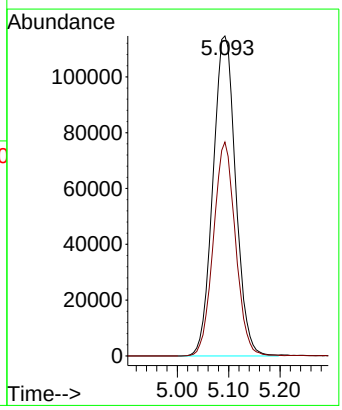


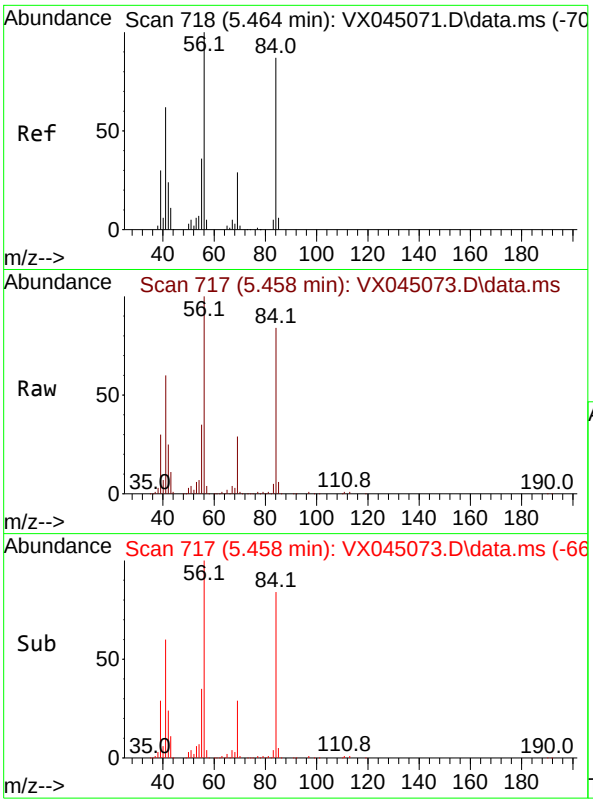


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



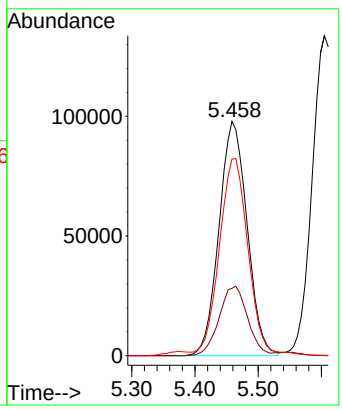


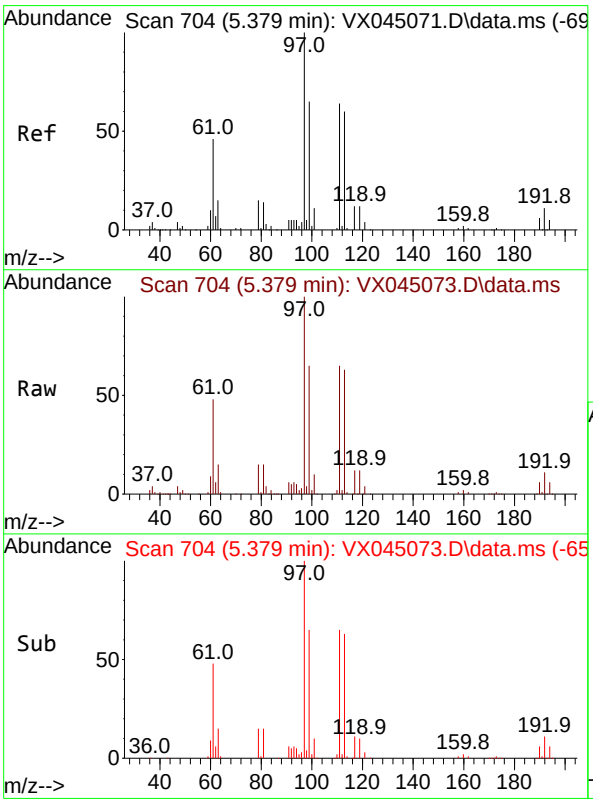
#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 302215

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2

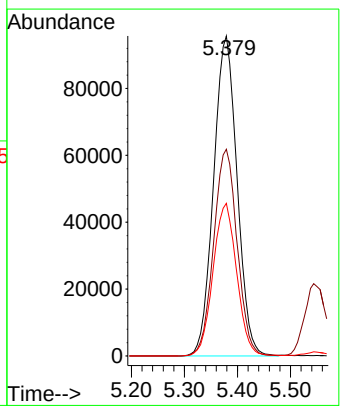


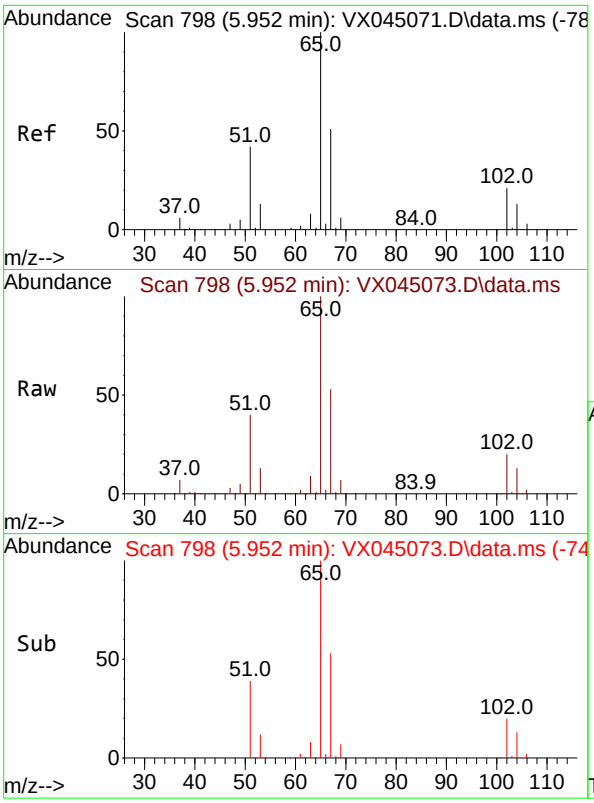


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6



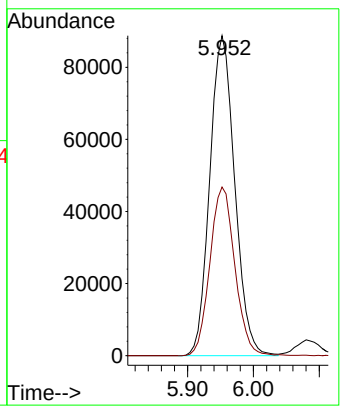


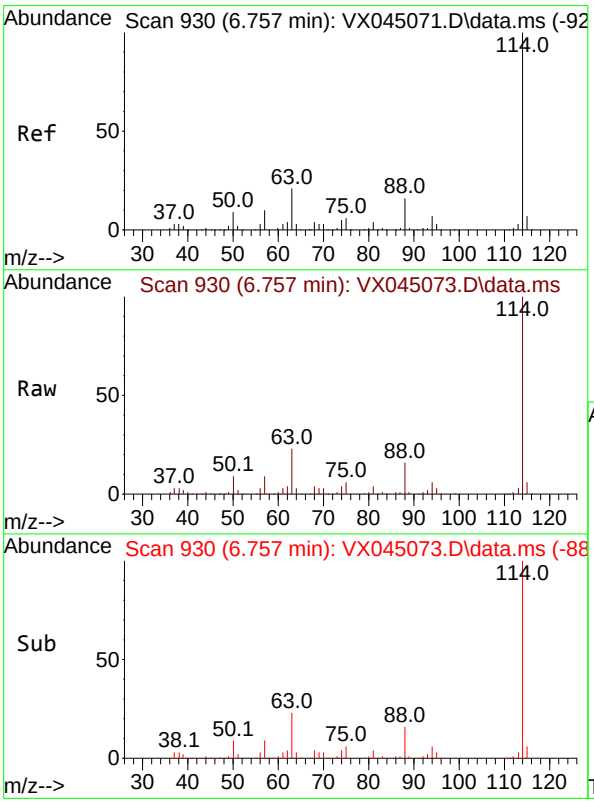
#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

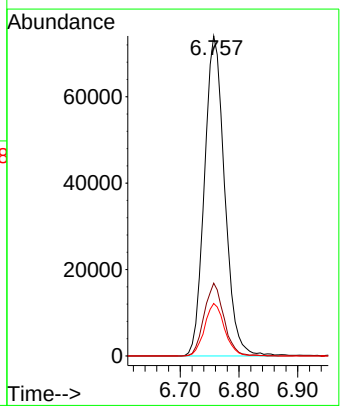


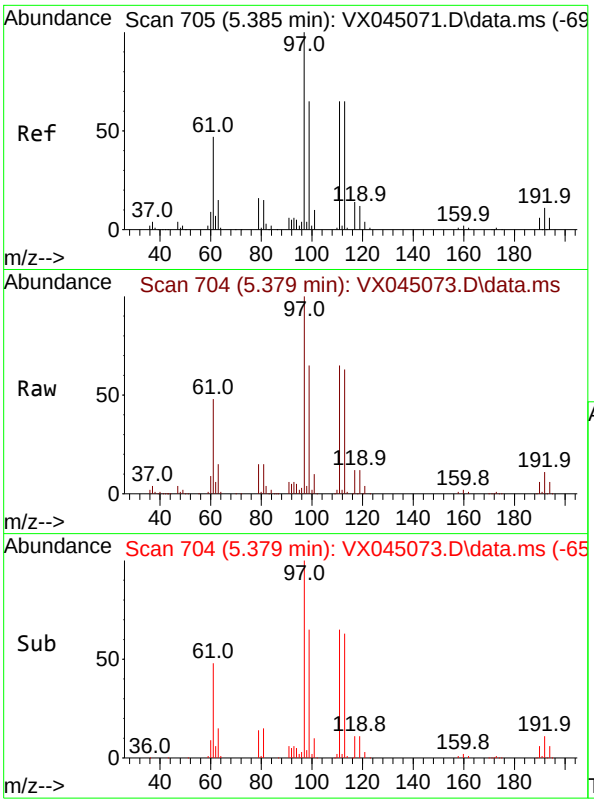


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8



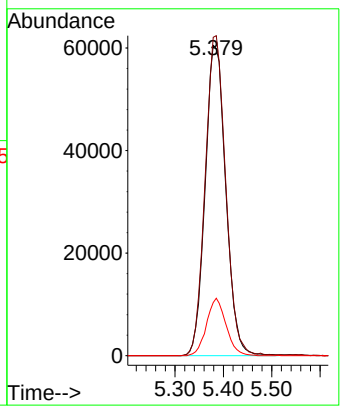


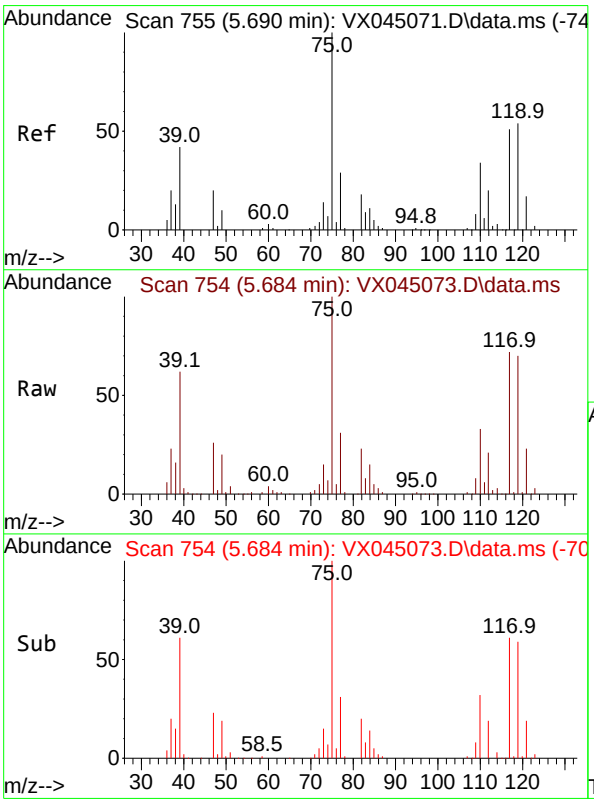
#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 179722

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5

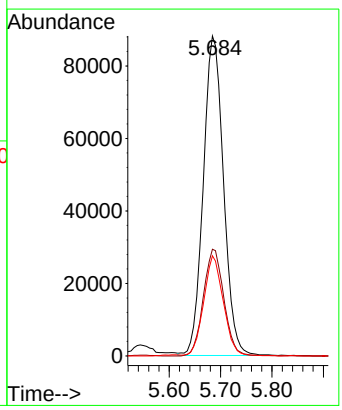


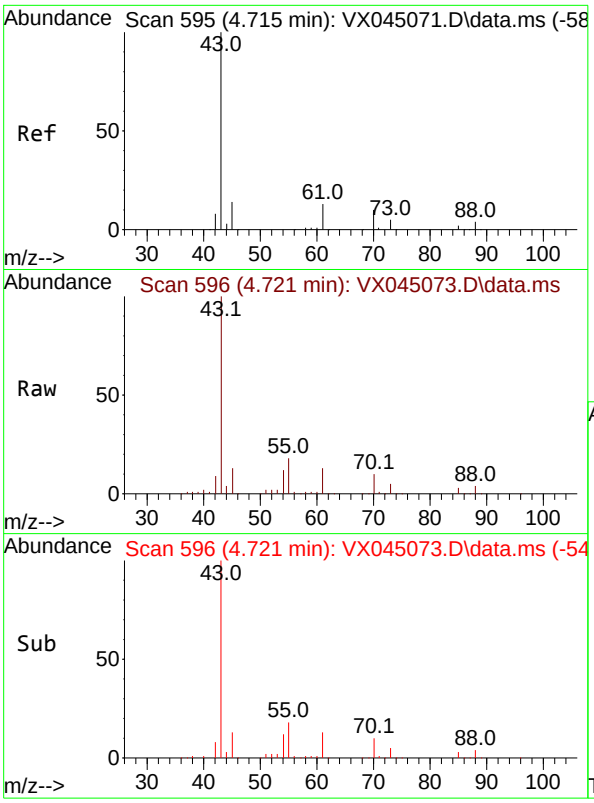


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7



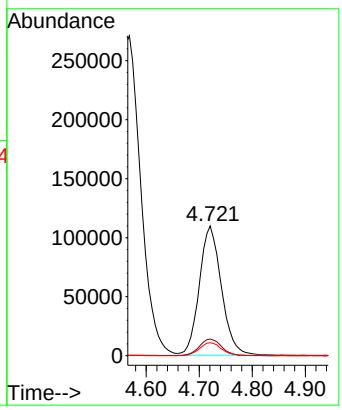


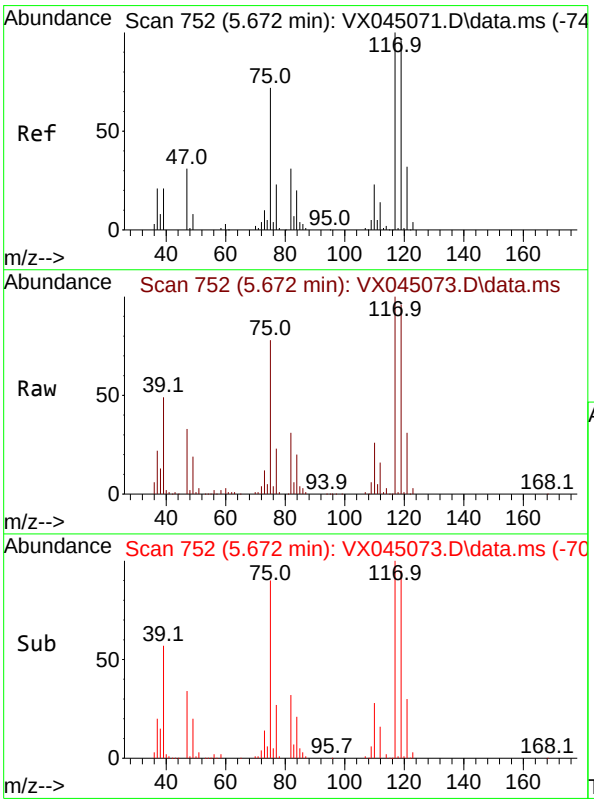
#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 316250

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5

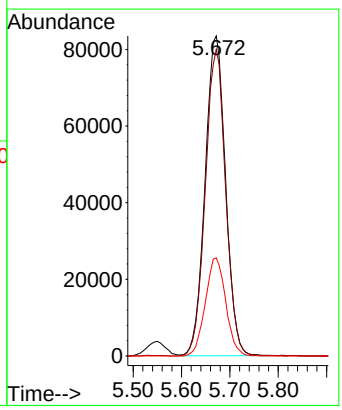


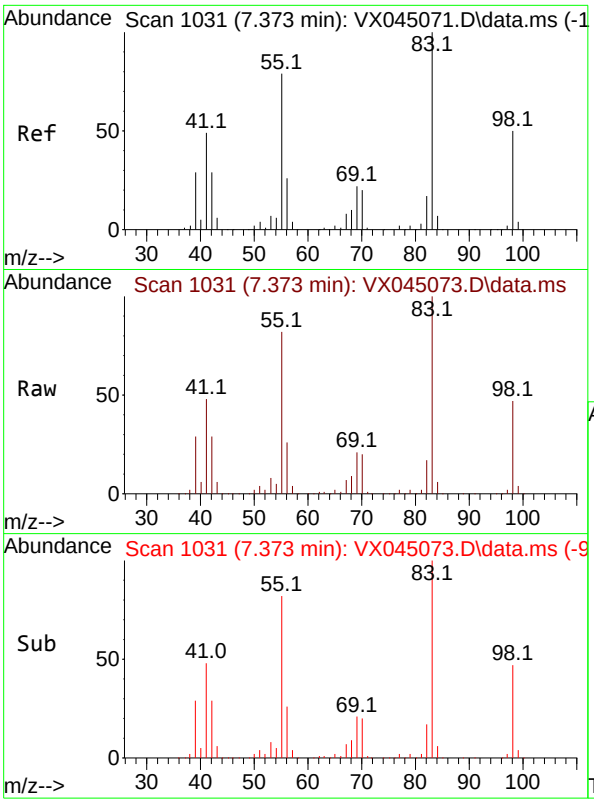


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3



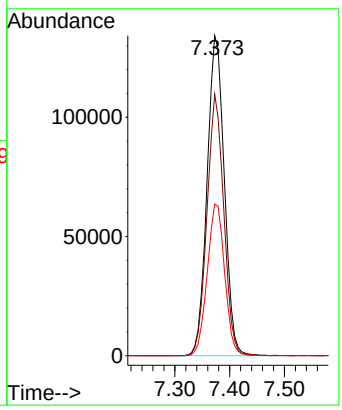


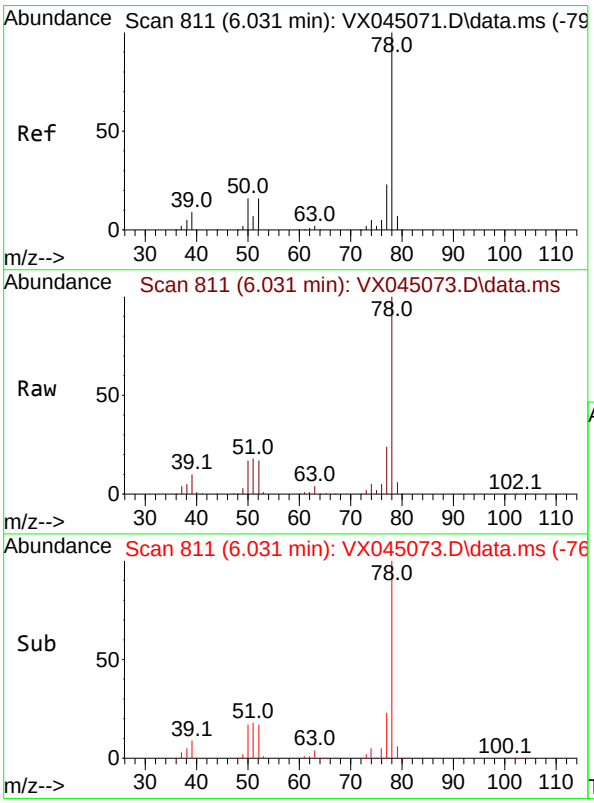
#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 292216

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5

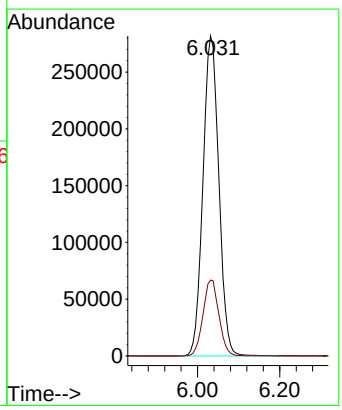


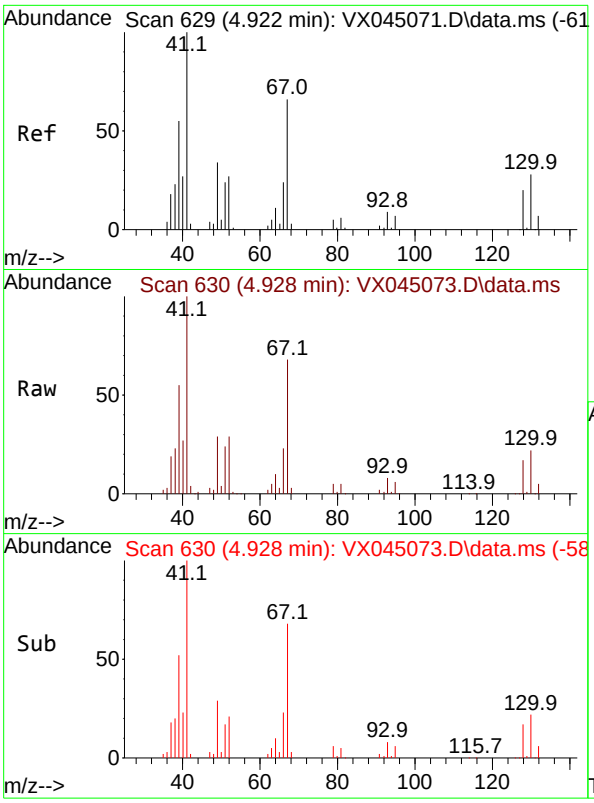


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



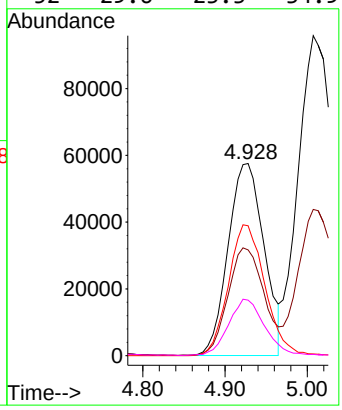


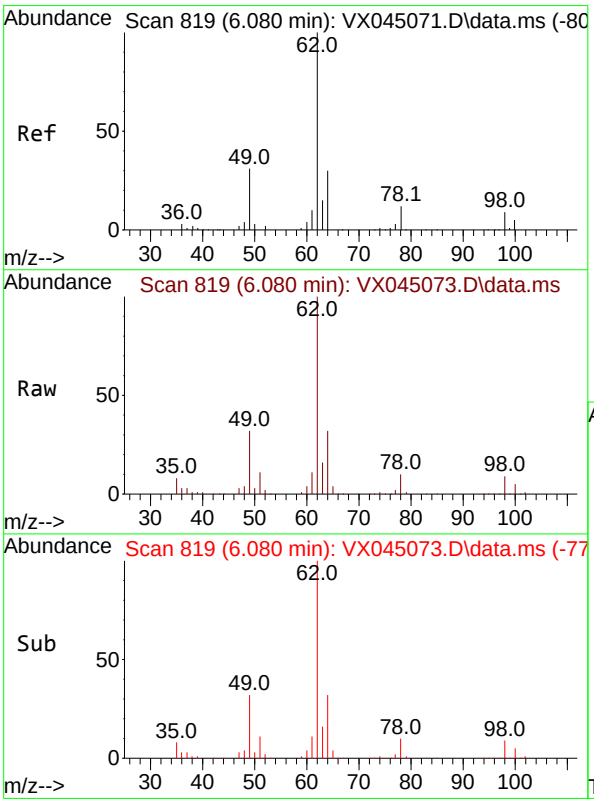
#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 175023

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9

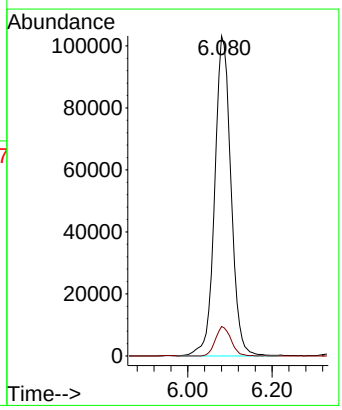


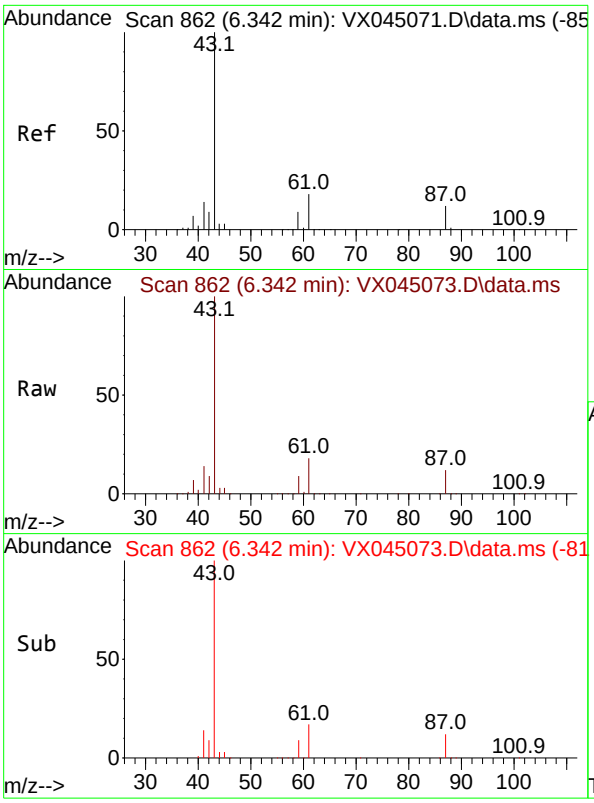


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



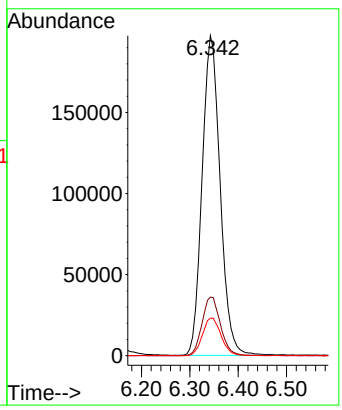


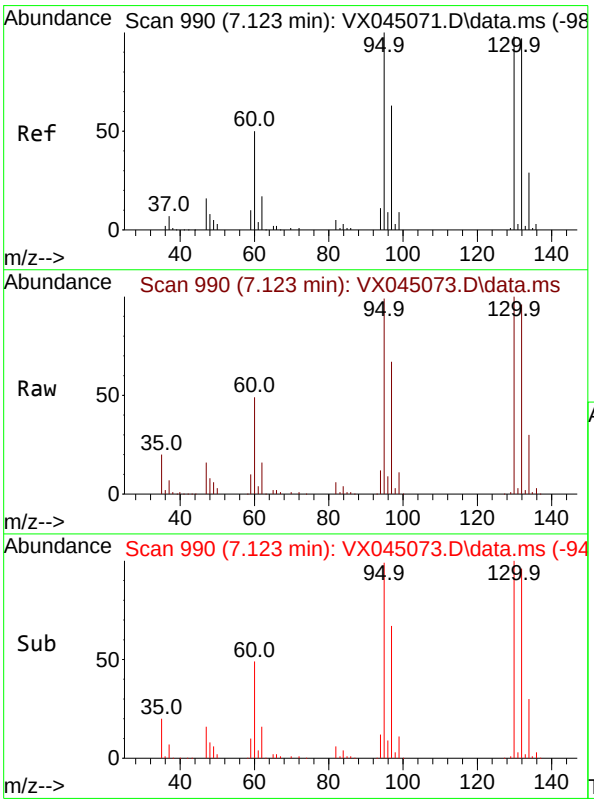
#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 511643

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

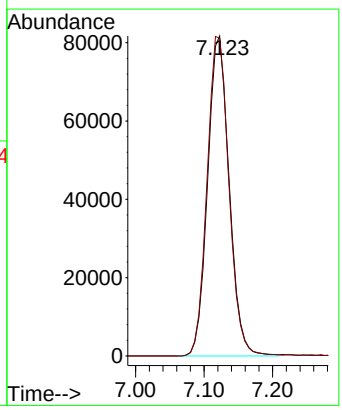


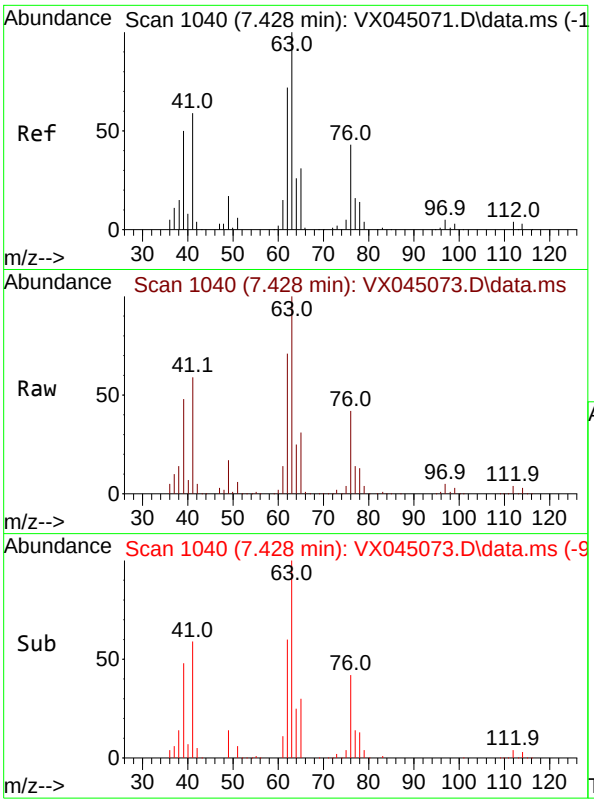


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



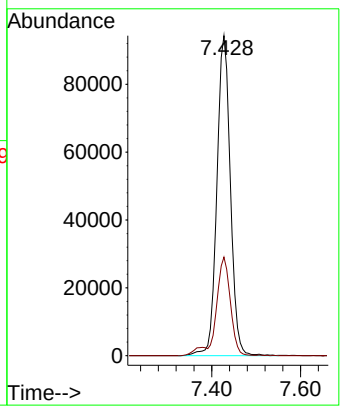


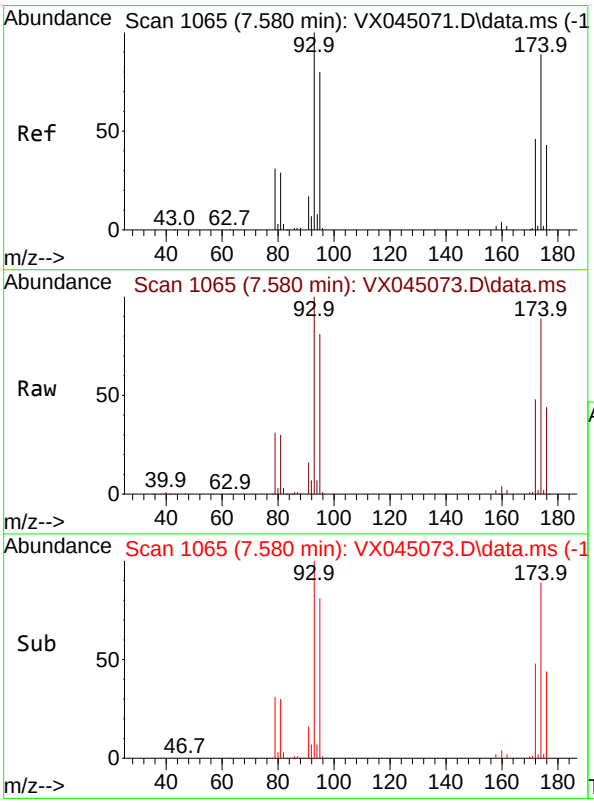
#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 198135

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

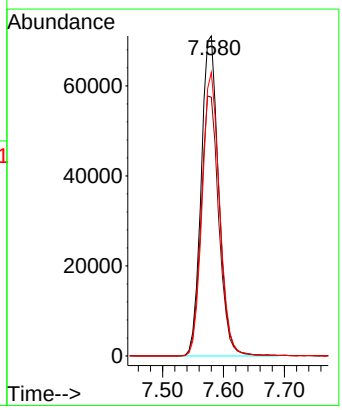


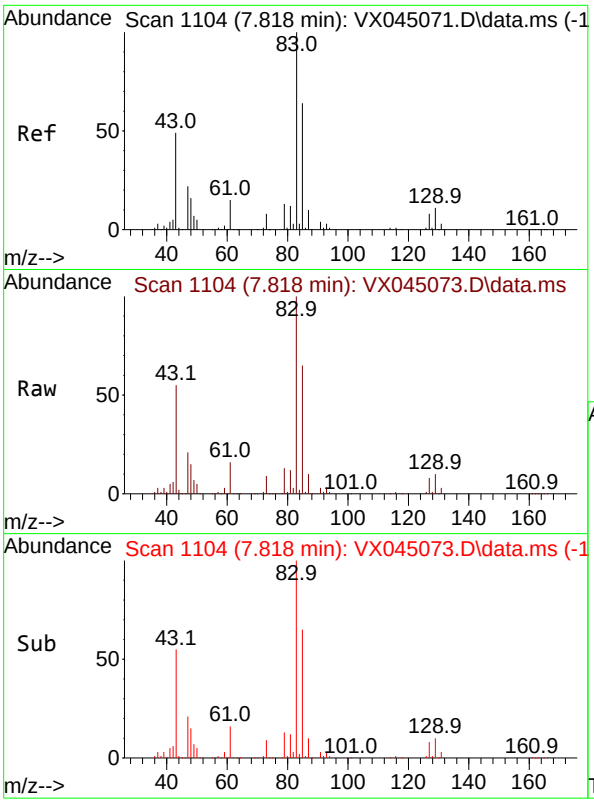


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2



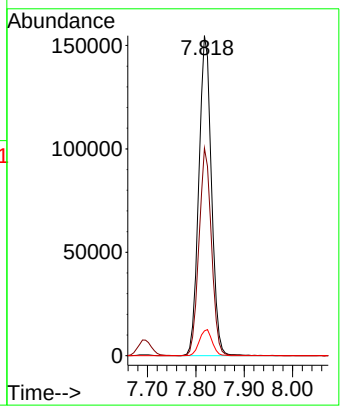


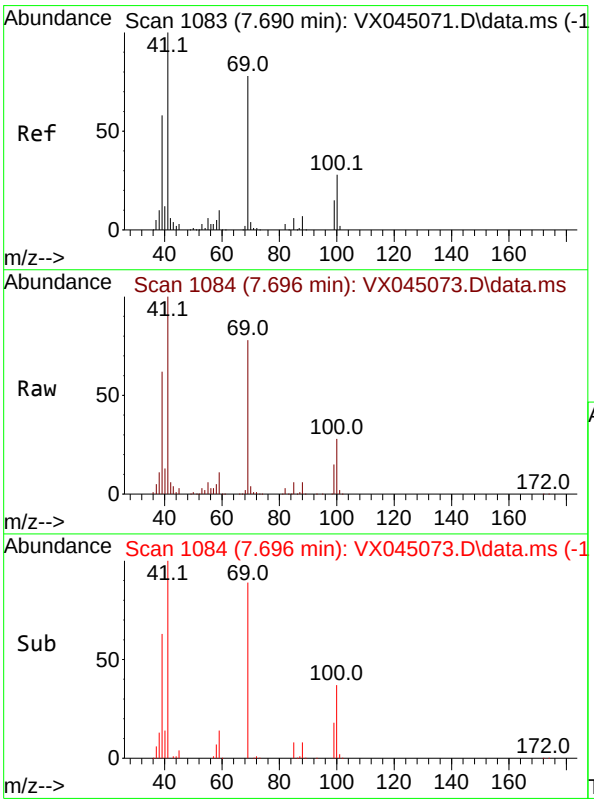
#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 280255

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6

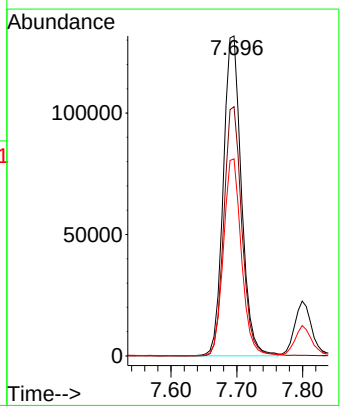


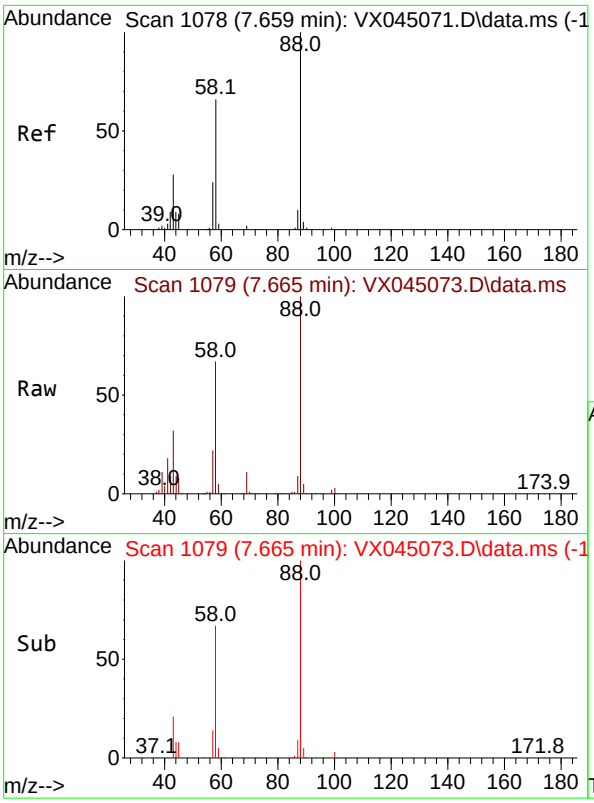


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3



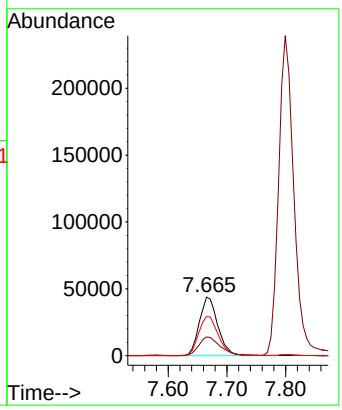


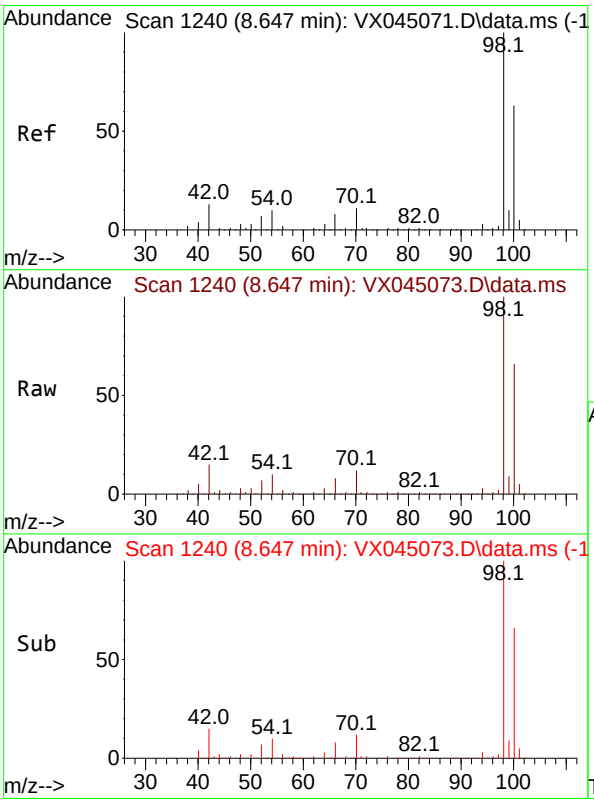
#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 96268

Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8

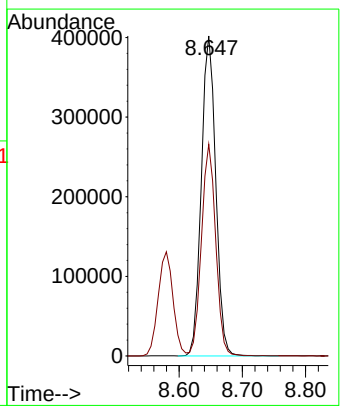


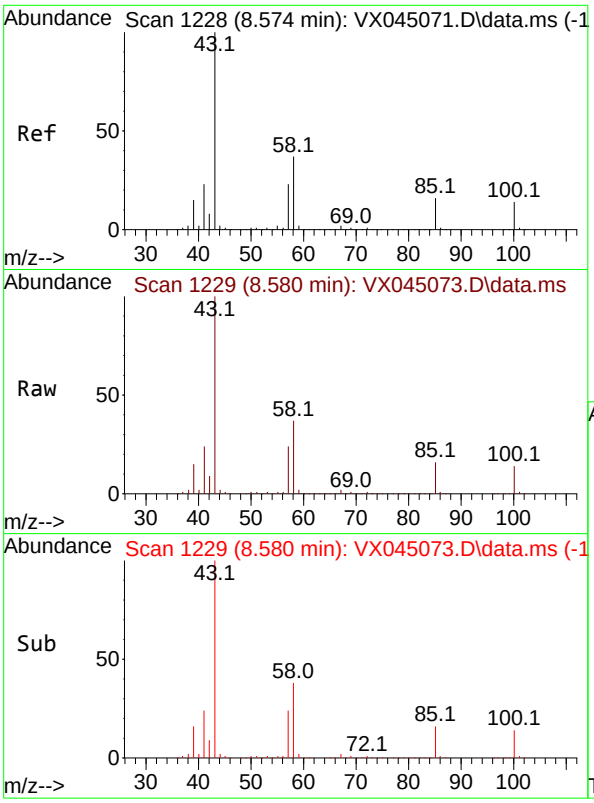


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



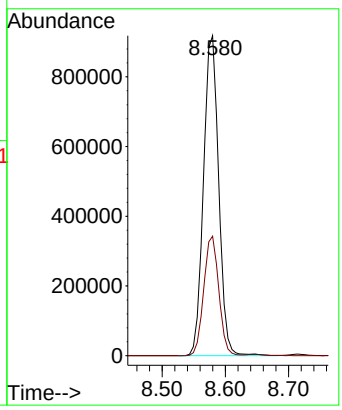


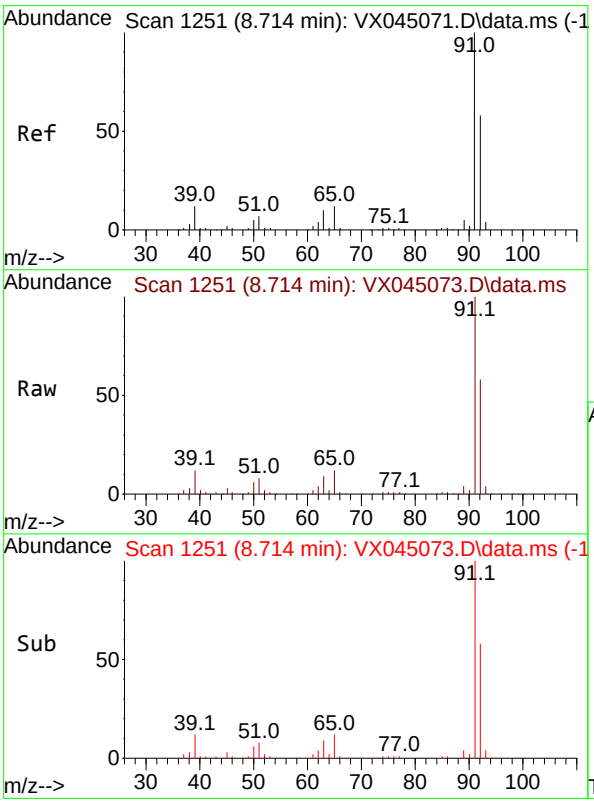
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1536157

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

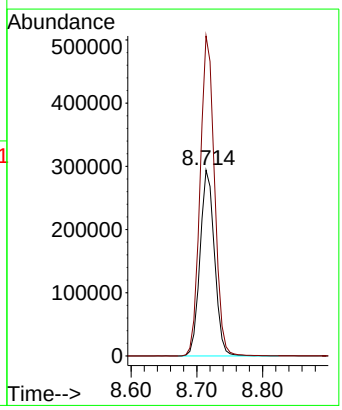


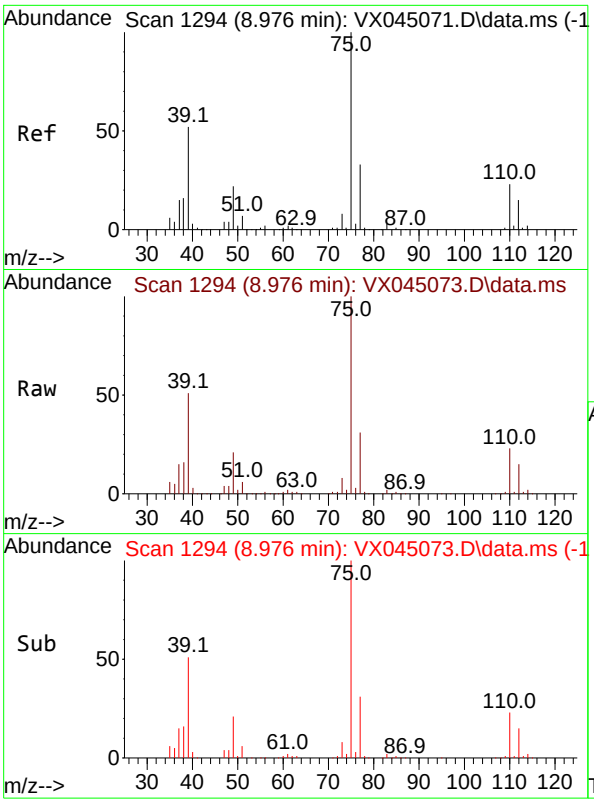


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



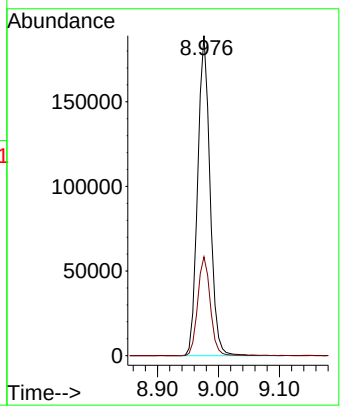


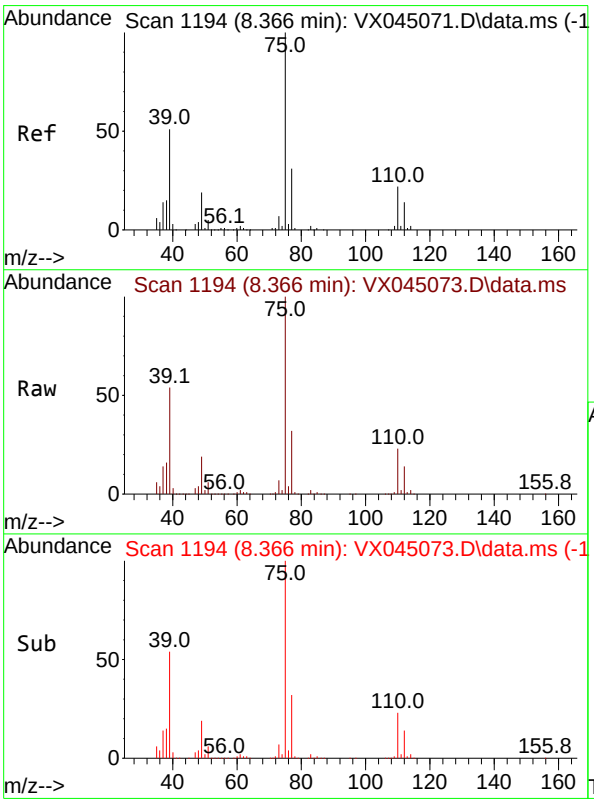
#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7

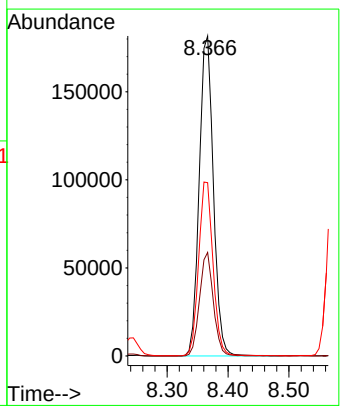


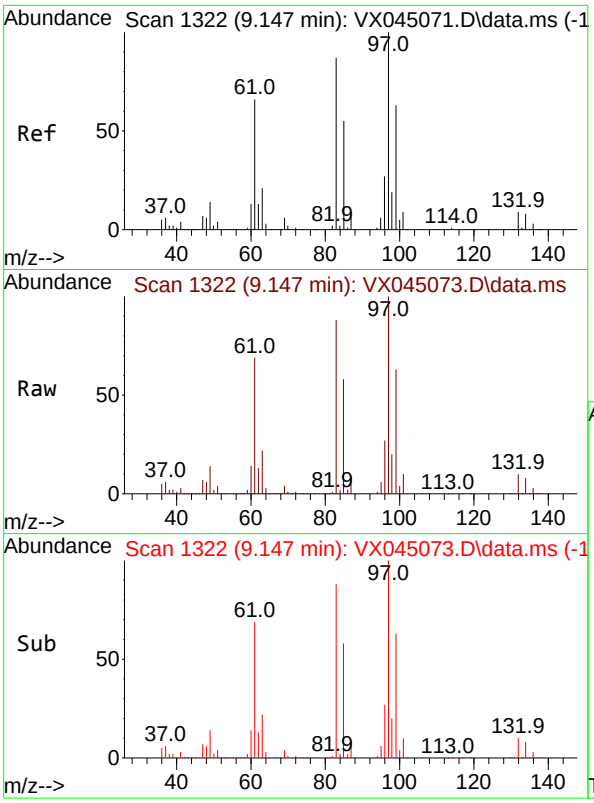


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1



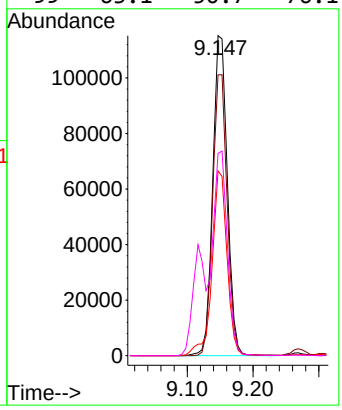


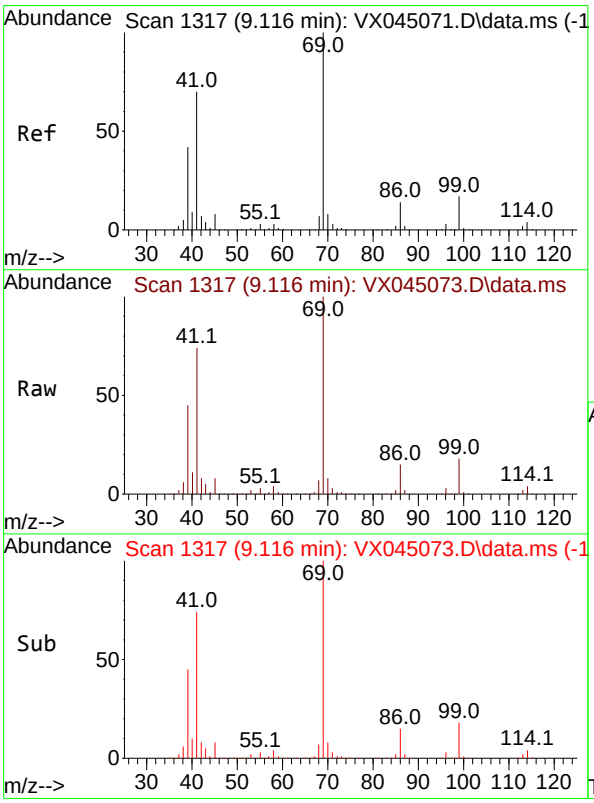
#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 178217

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1

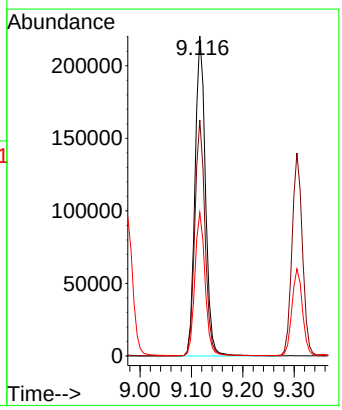


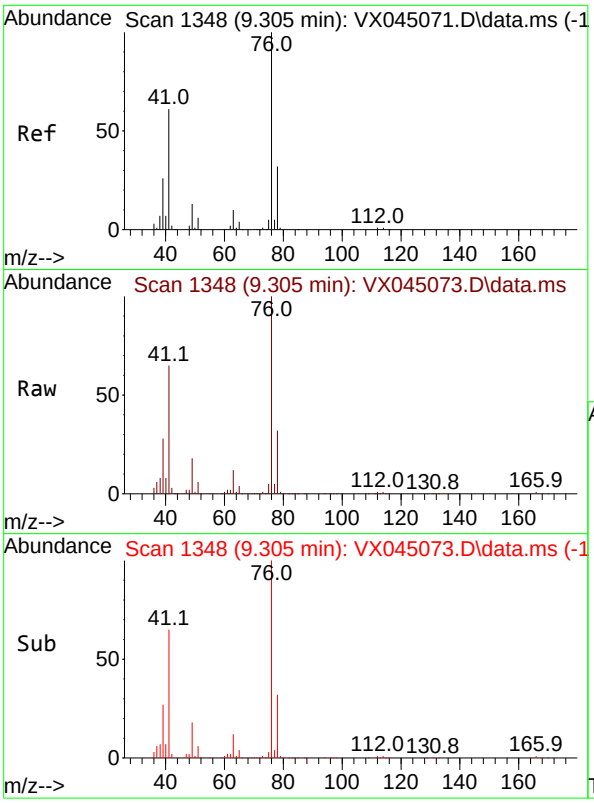


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4



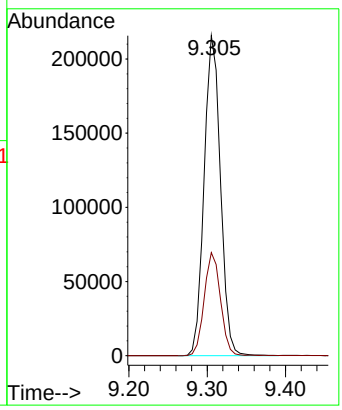


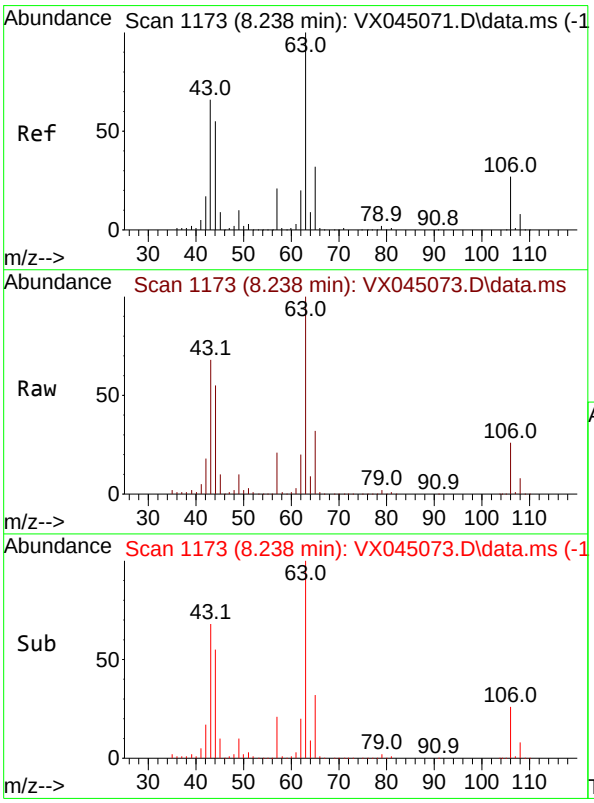
#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

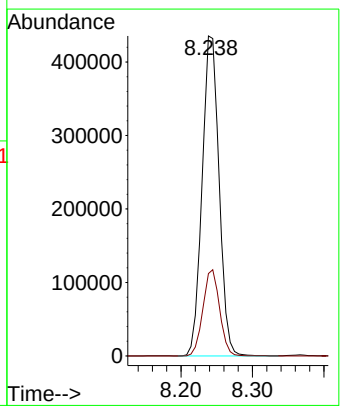


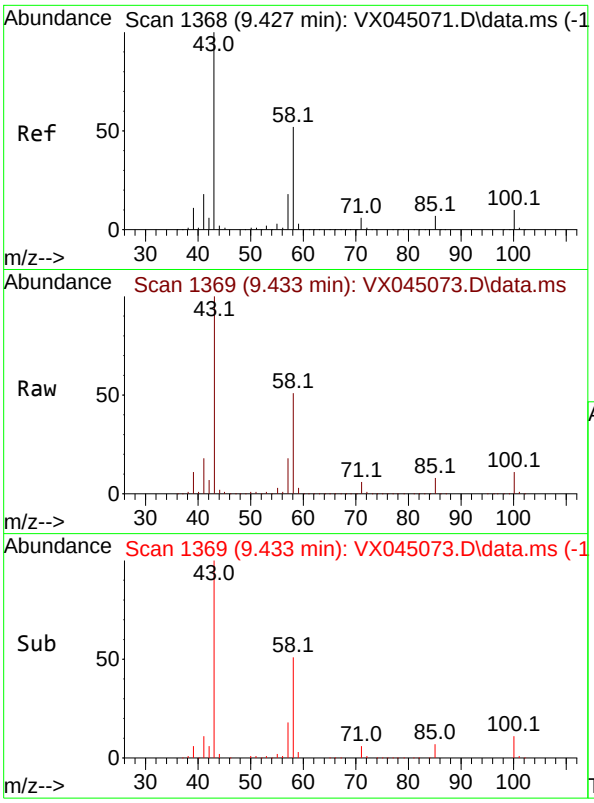


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



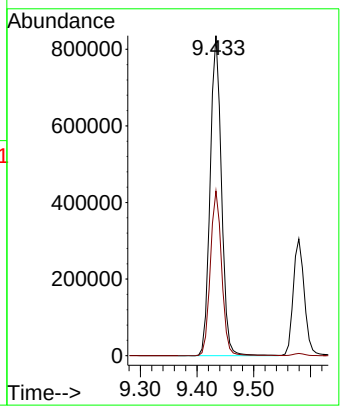


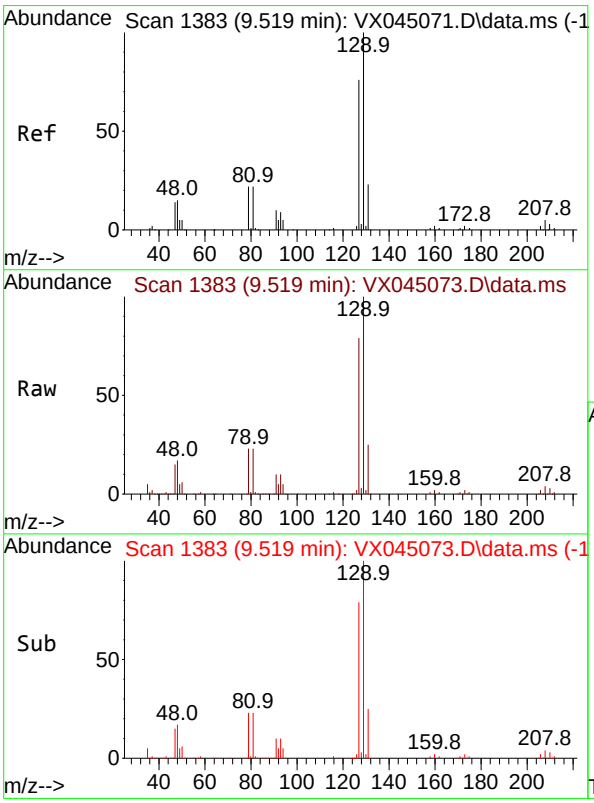
#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

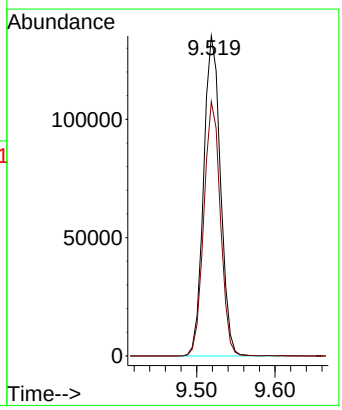


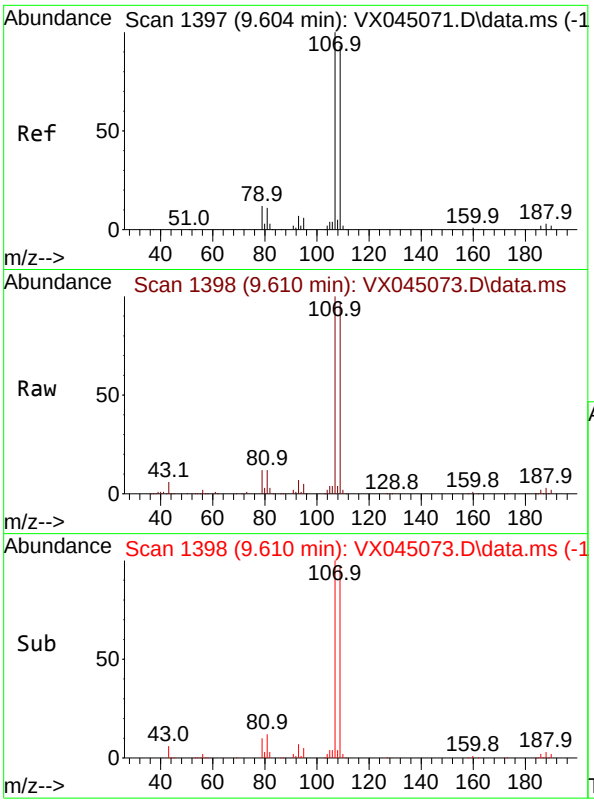


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



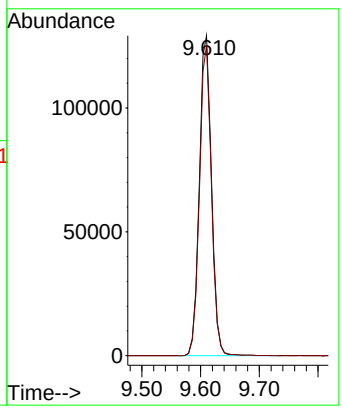


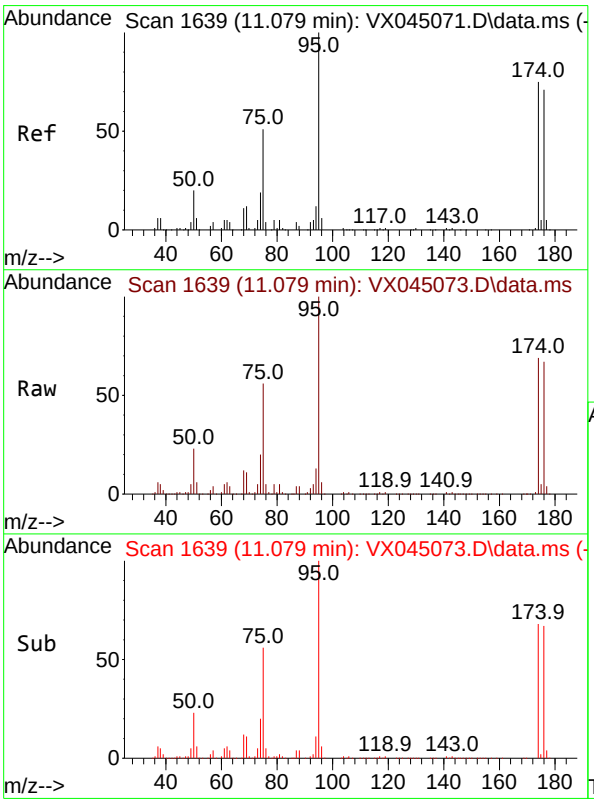
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 185828

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

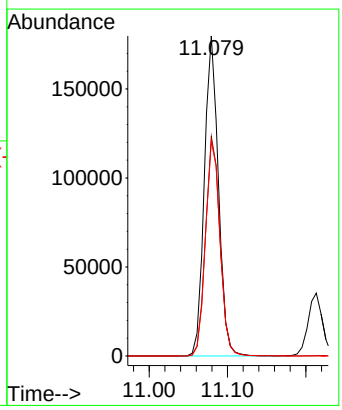


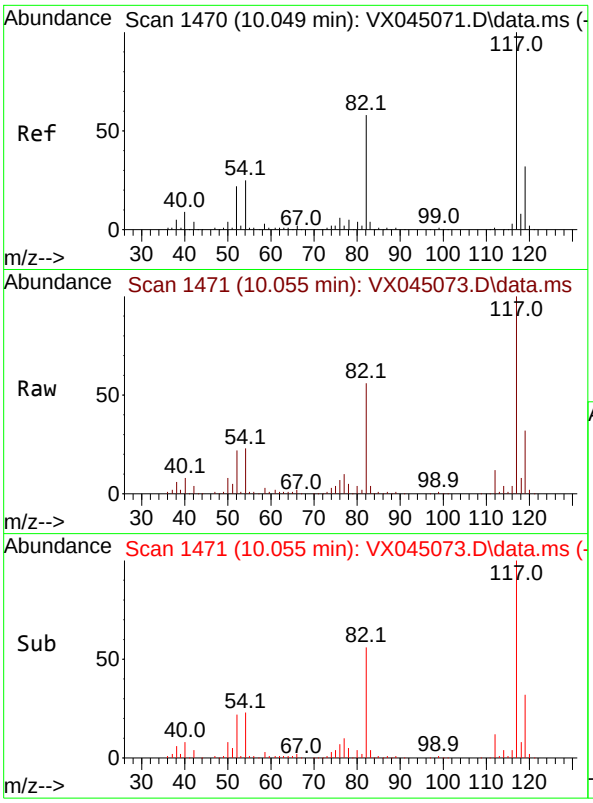


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4



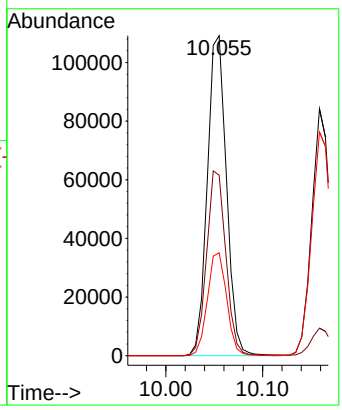


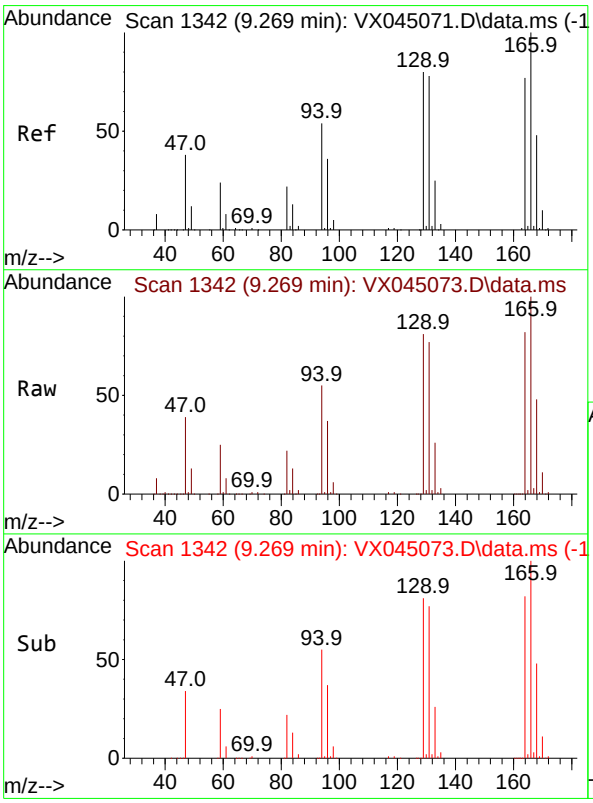
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 150547

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5

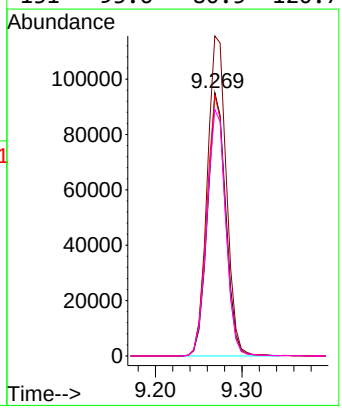


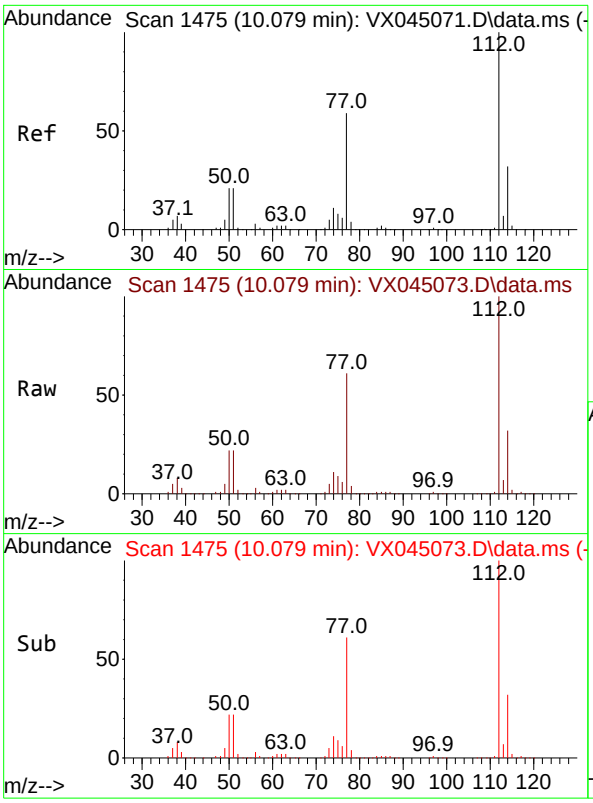


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7



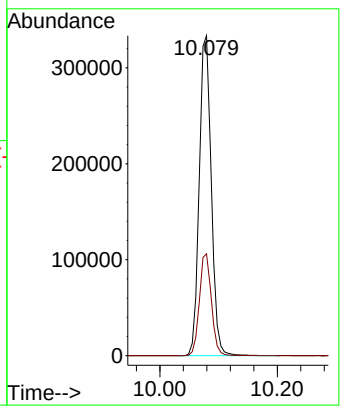


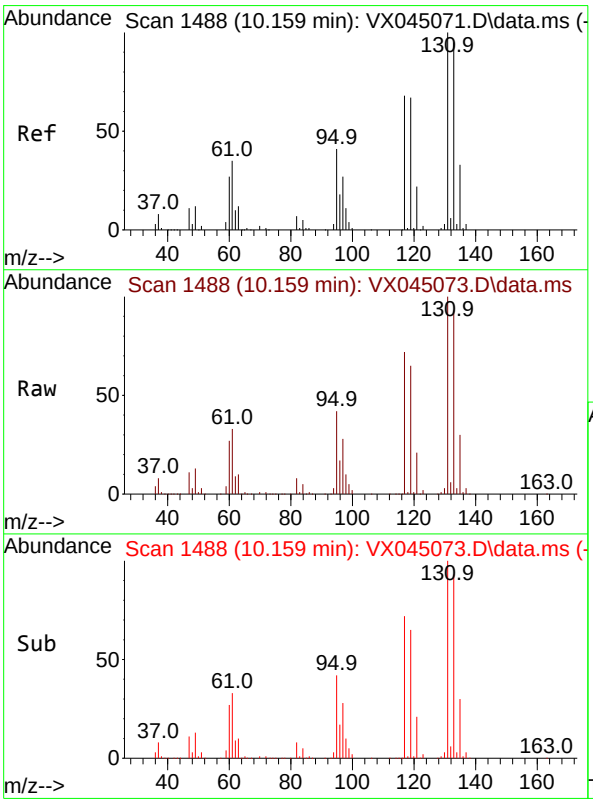
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

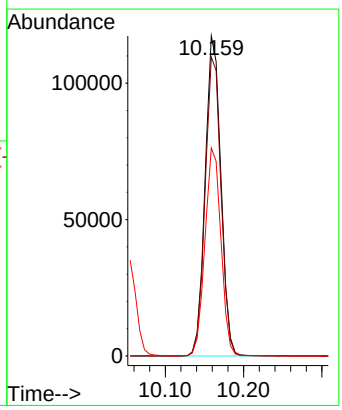


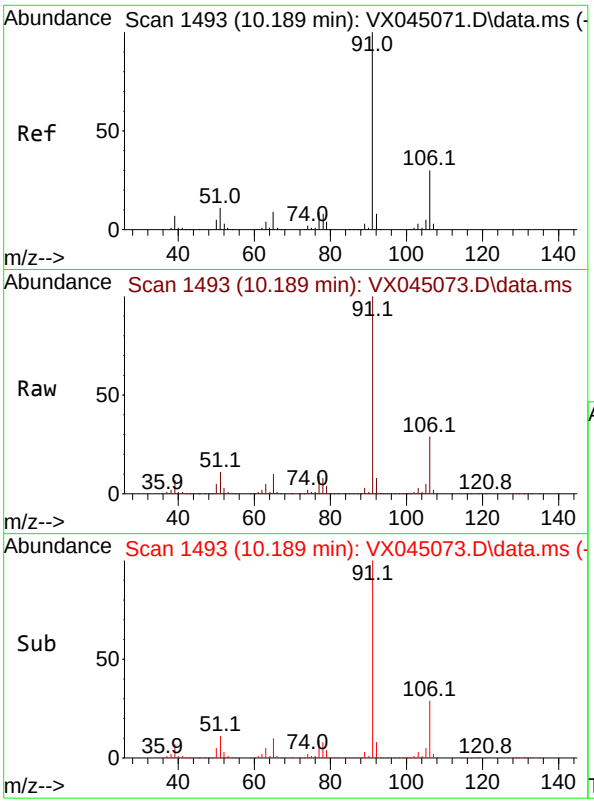


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7



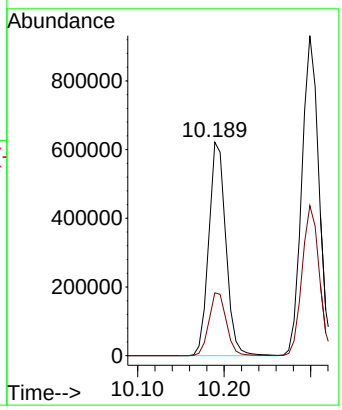


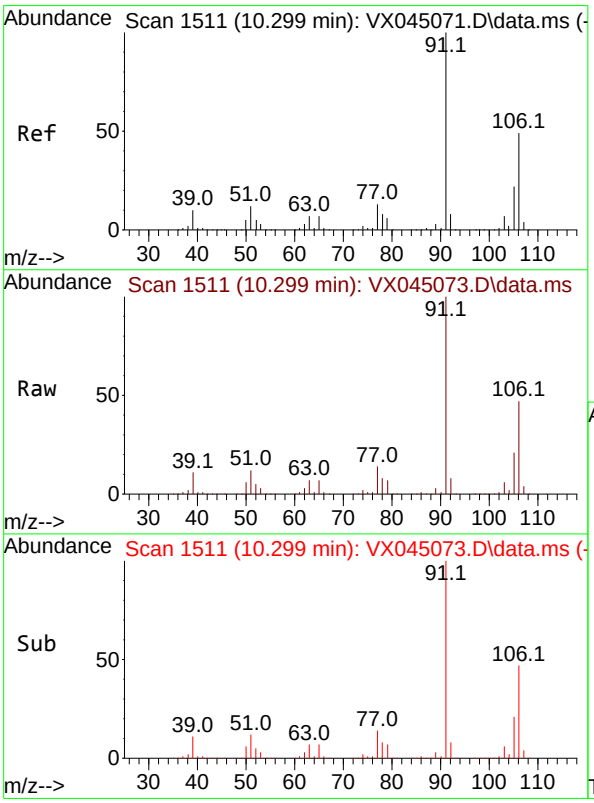
#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

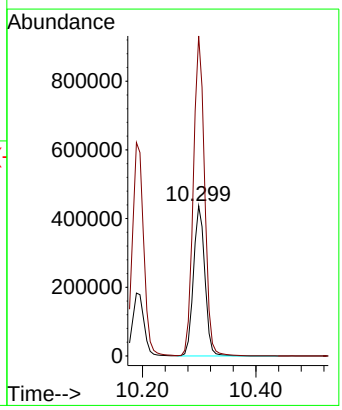


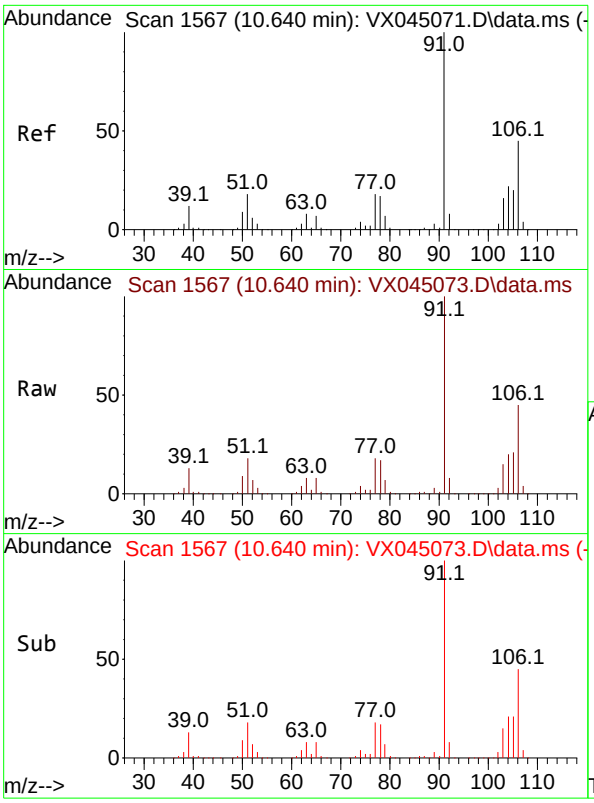


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



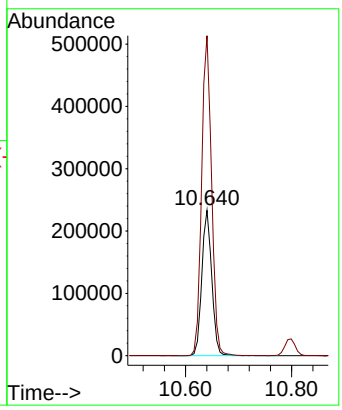


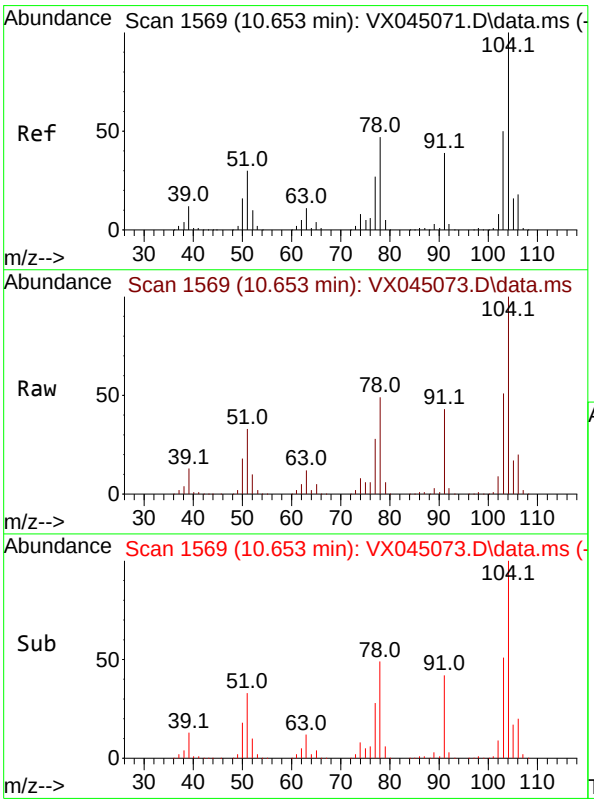
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 302495

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

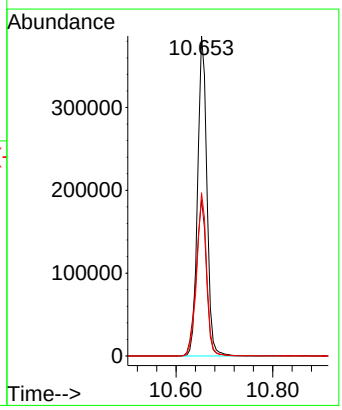


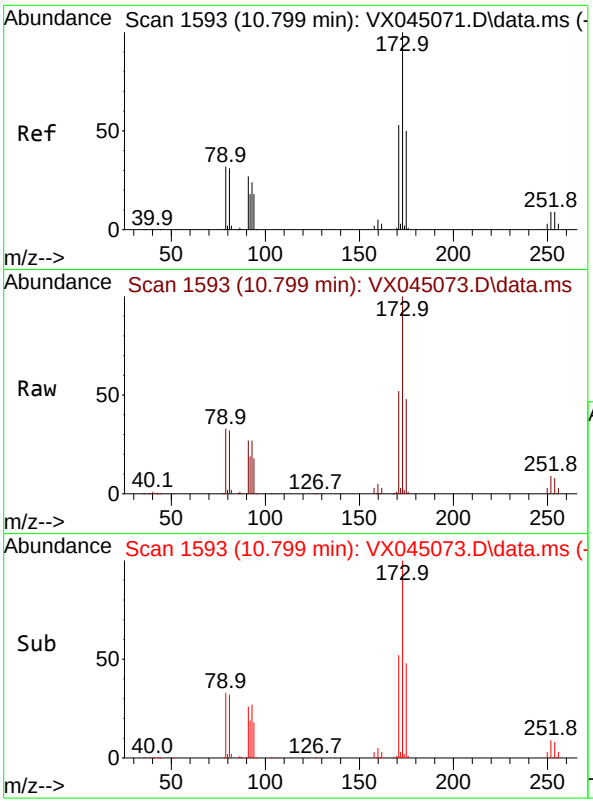


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8



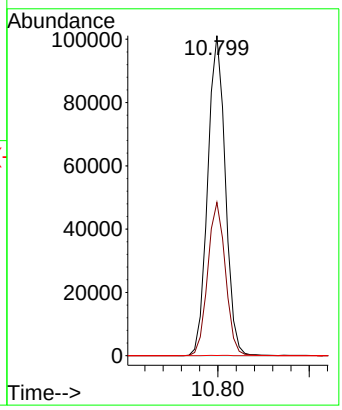


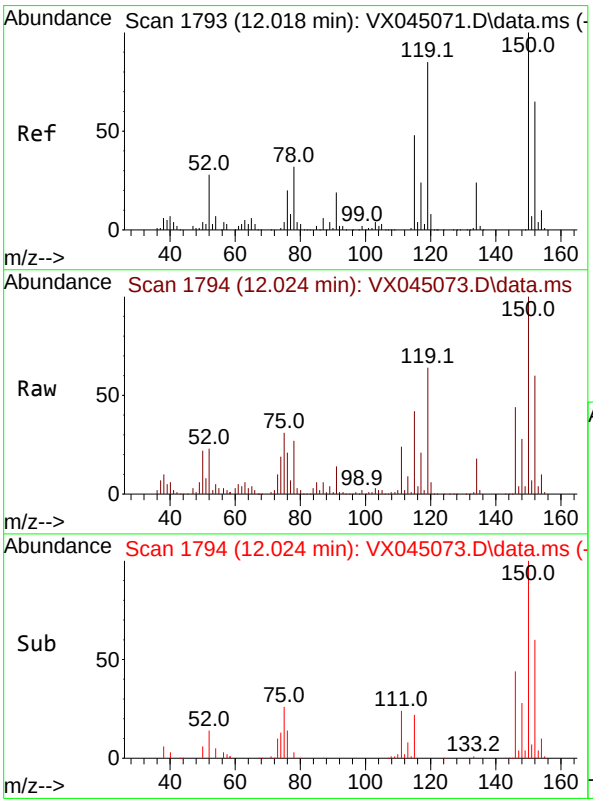
#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 135388

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#

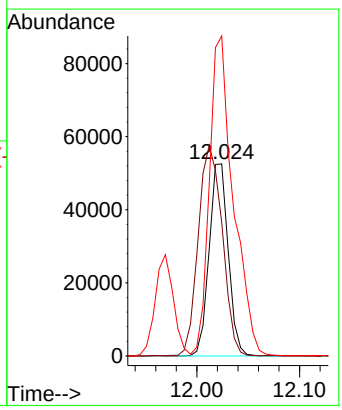


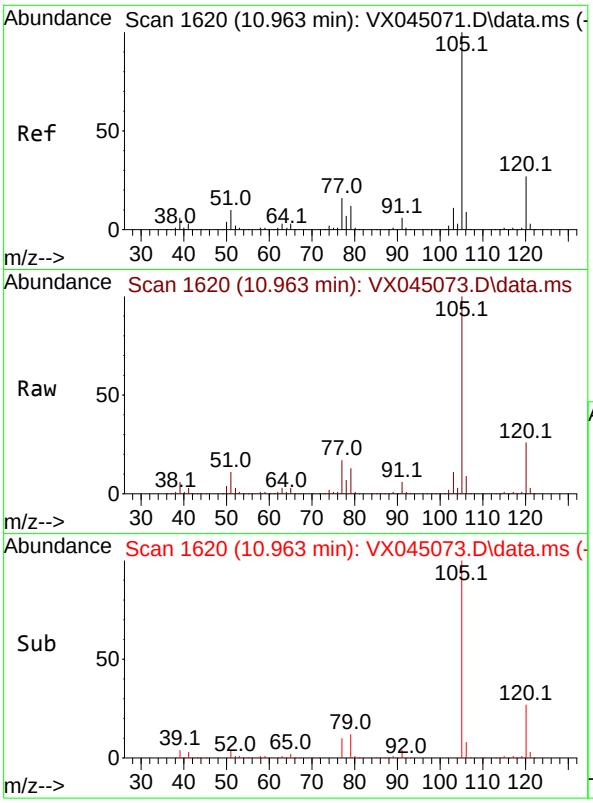


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0



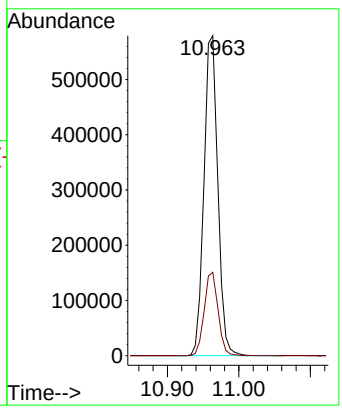


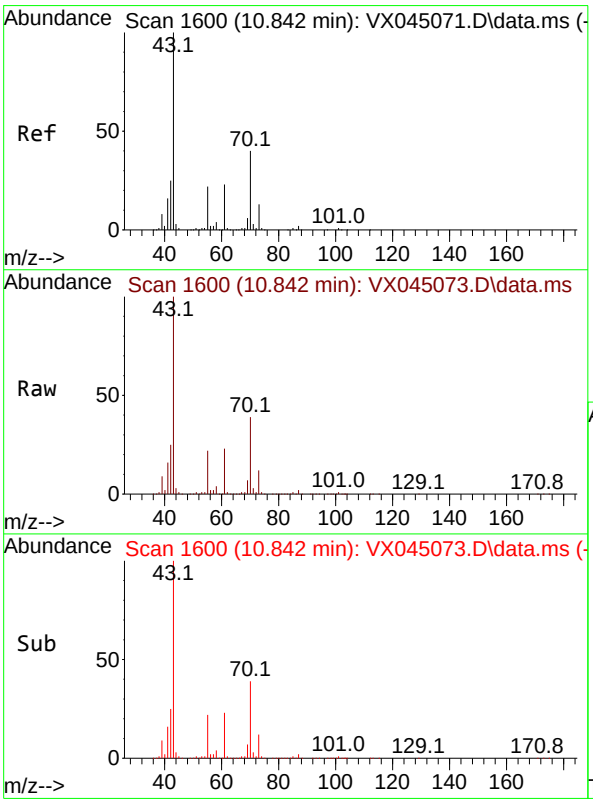
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780706

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

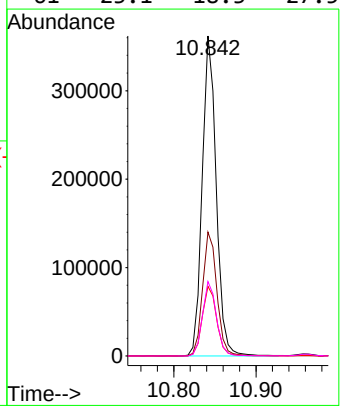


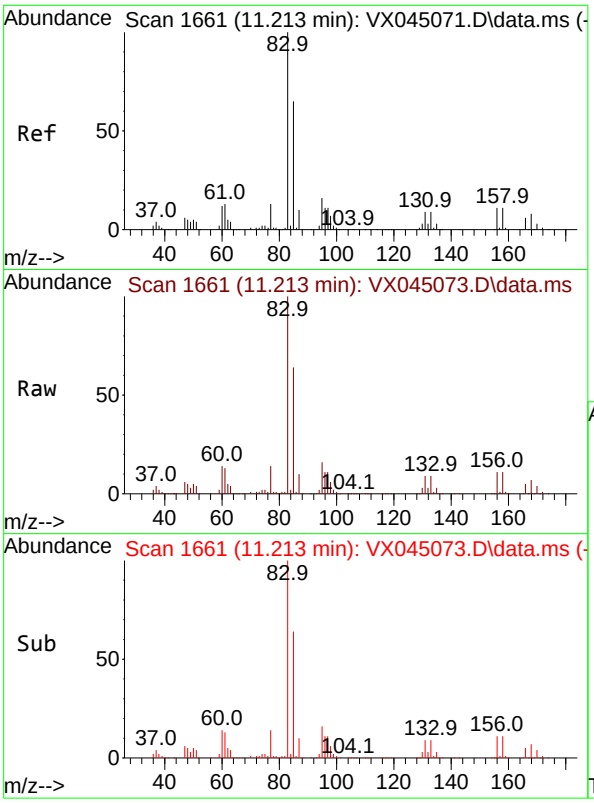


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5



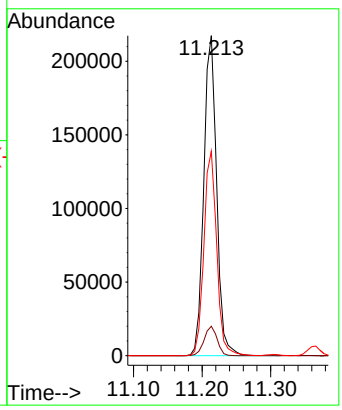


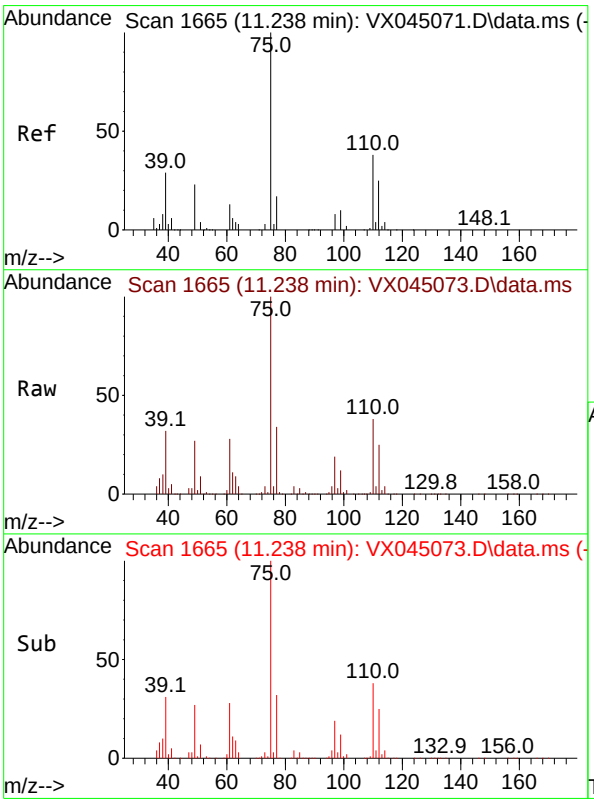
#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 283558

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

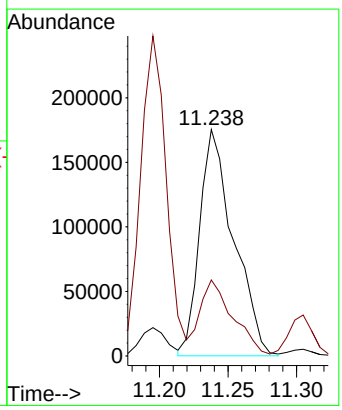


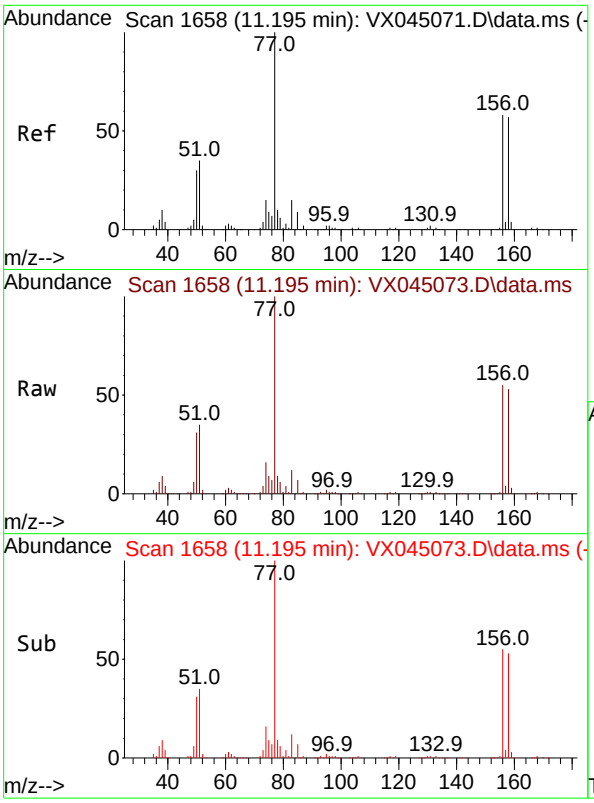


#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 303633

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



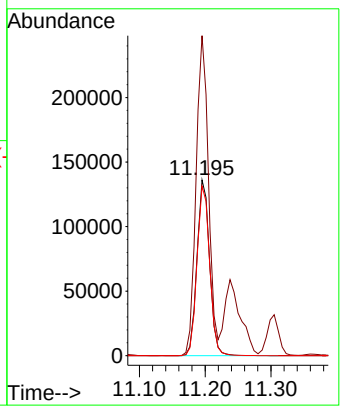


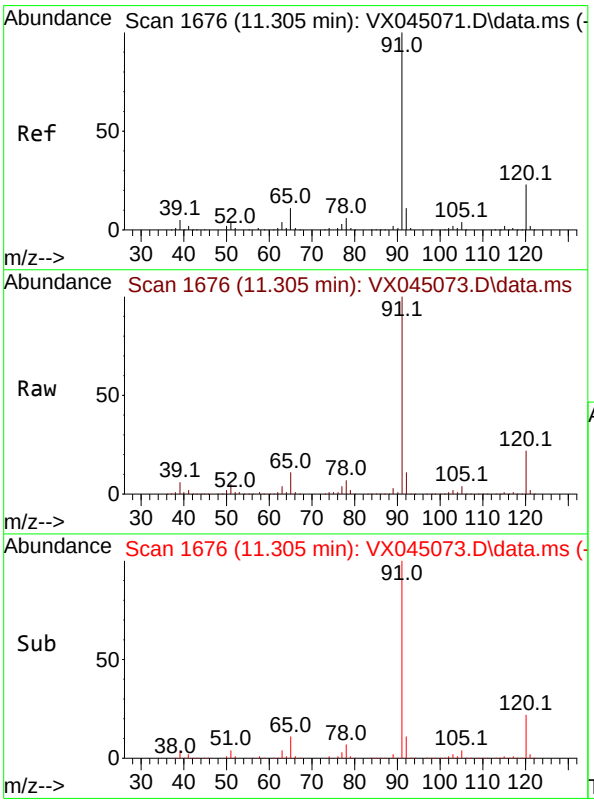
#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 180997

Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2

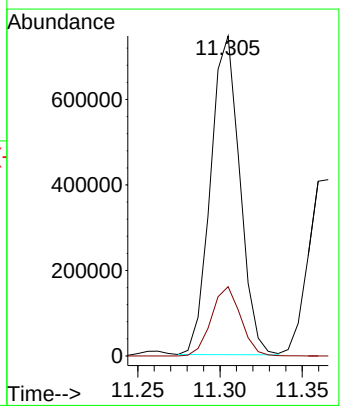


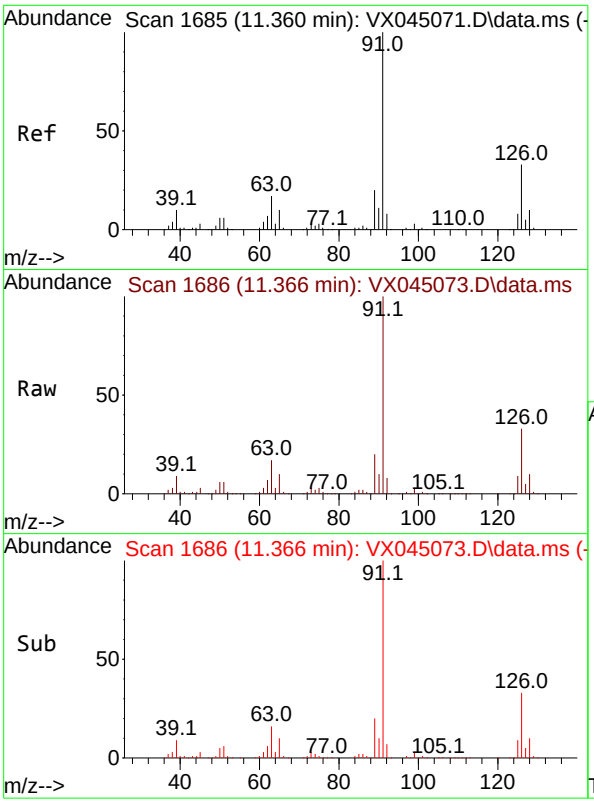


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



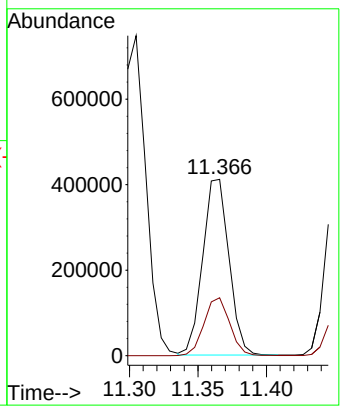


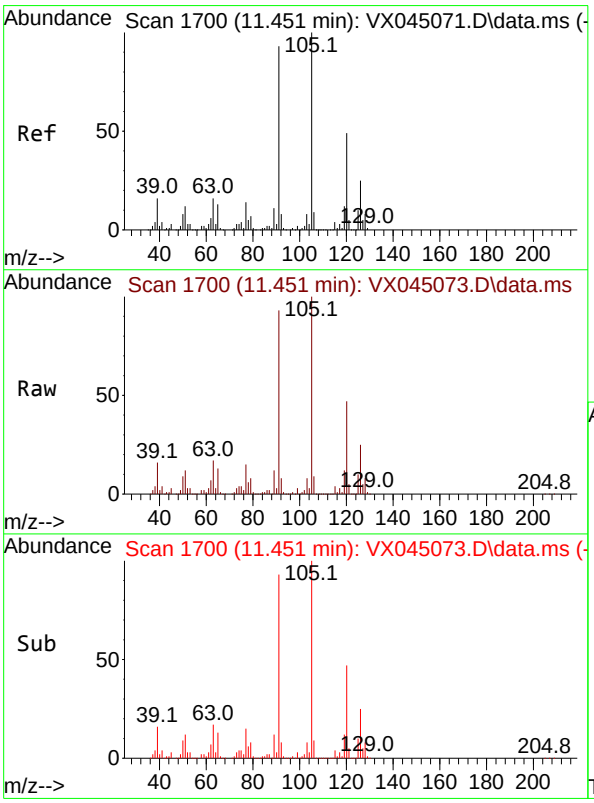
#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 548695

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

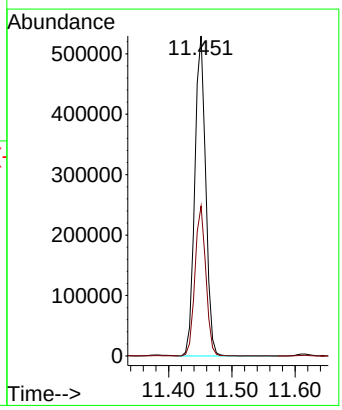


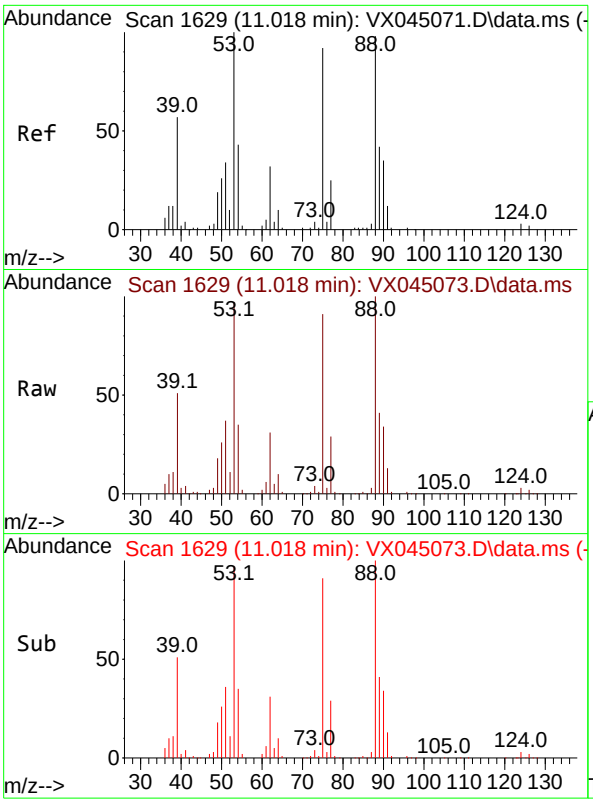


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



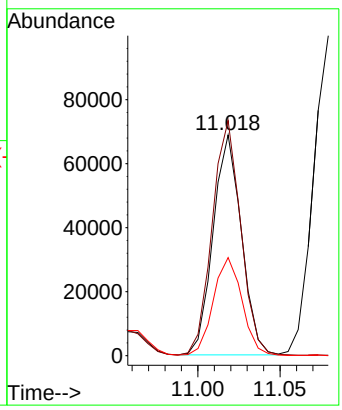


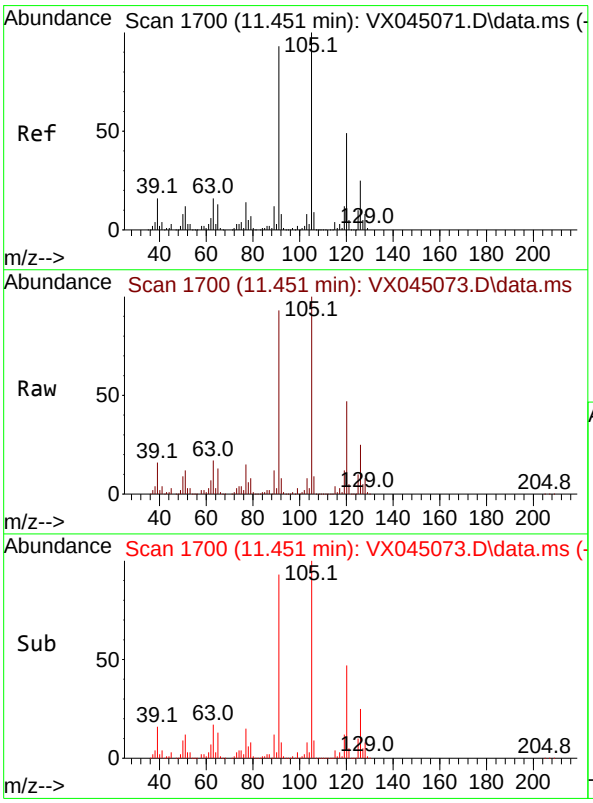
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 82267

Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

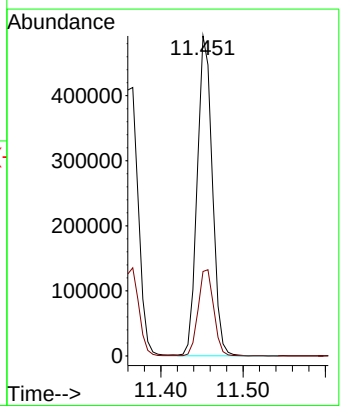


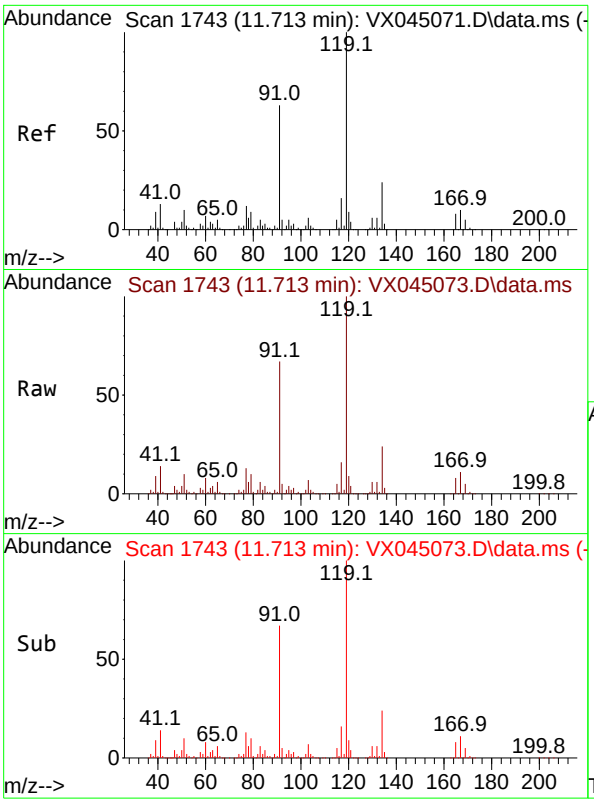


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



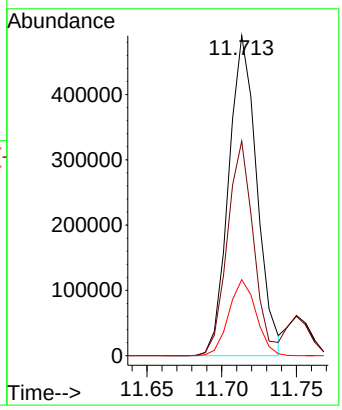


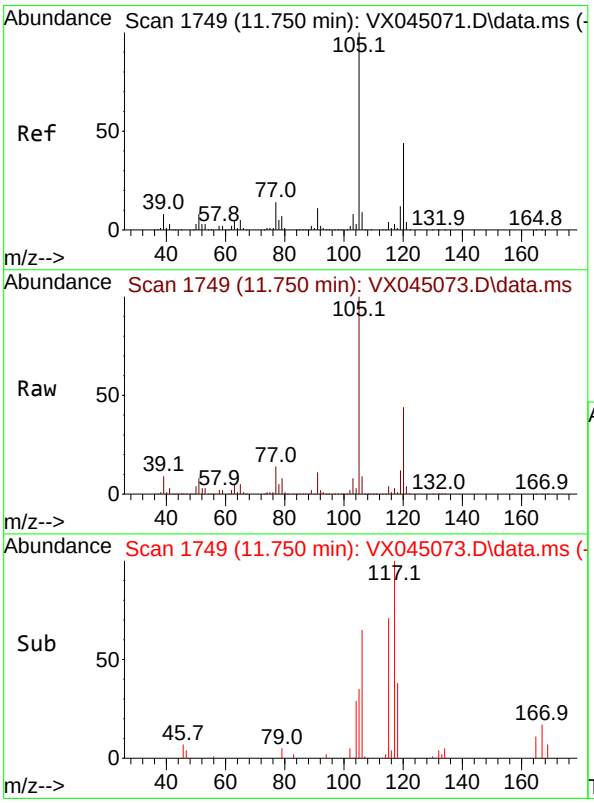
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 641713

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0

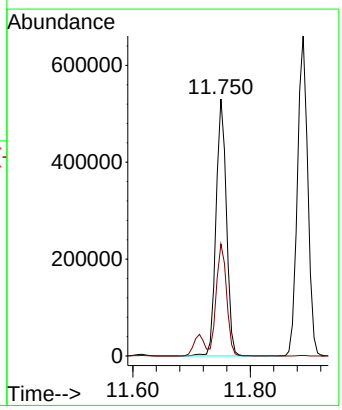


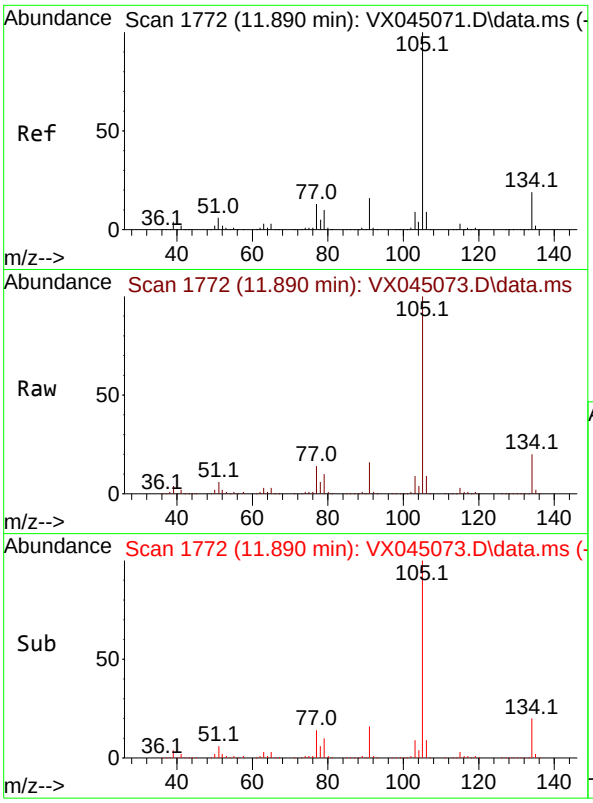


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



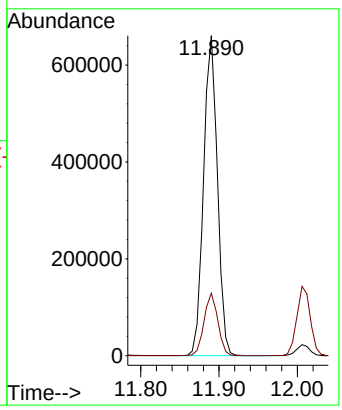


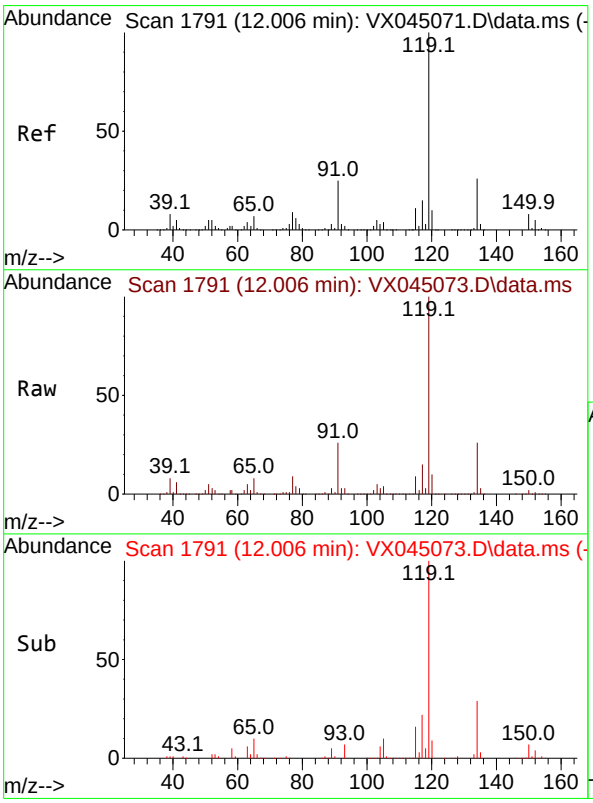
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 807713

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

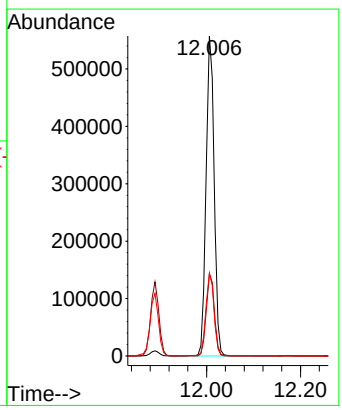


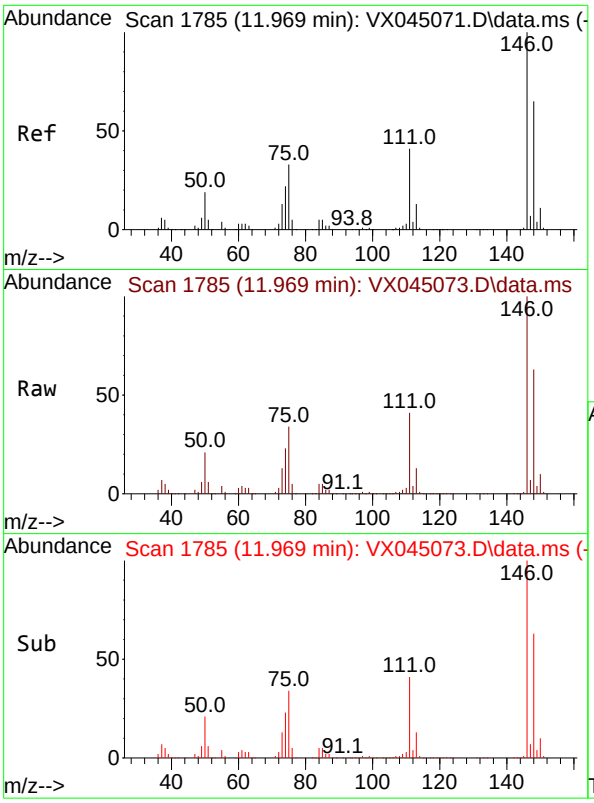


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0



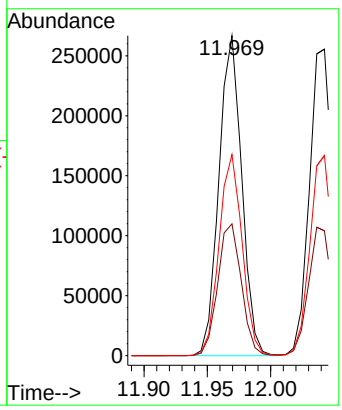


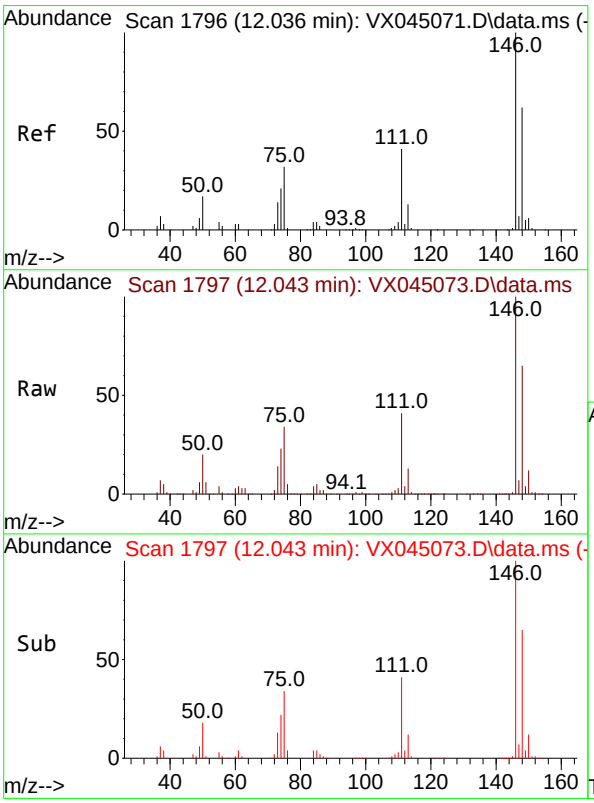
#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 334751

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7

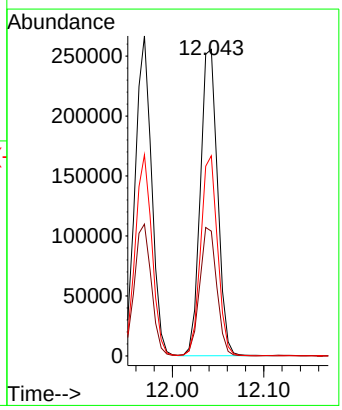


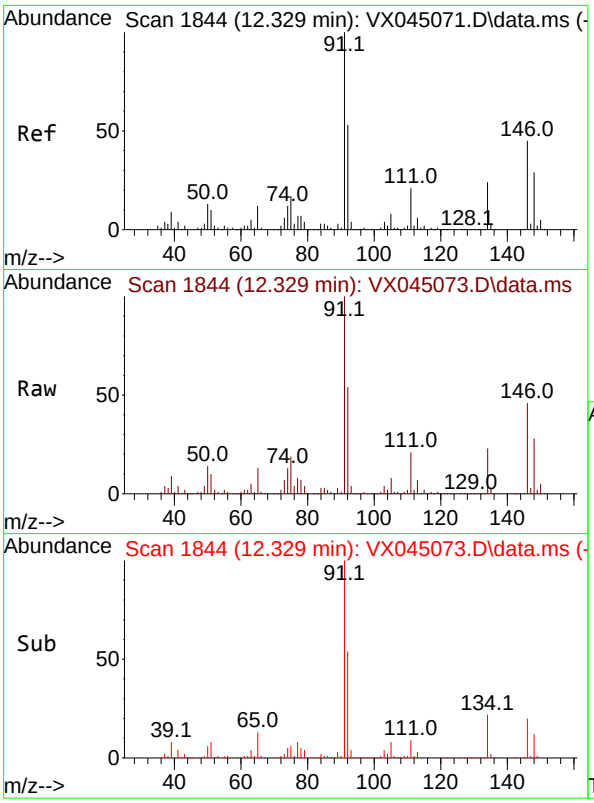


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9



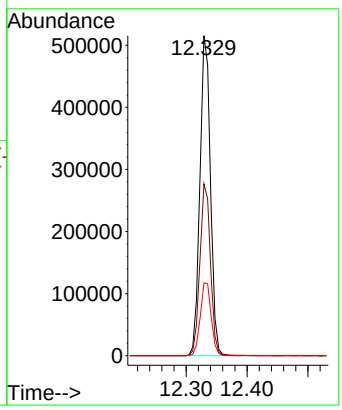


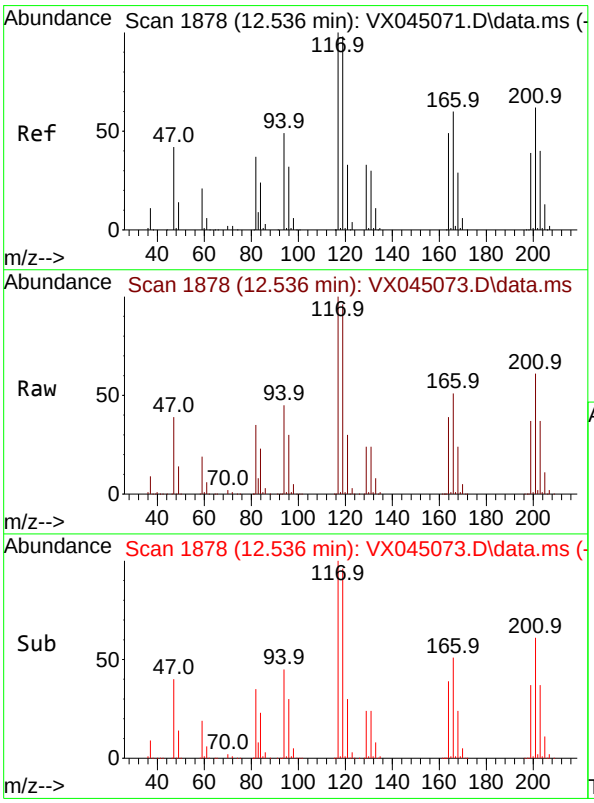
#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 620757

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6

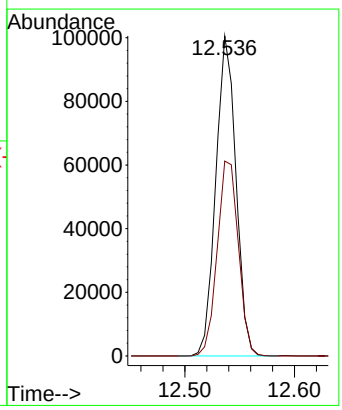


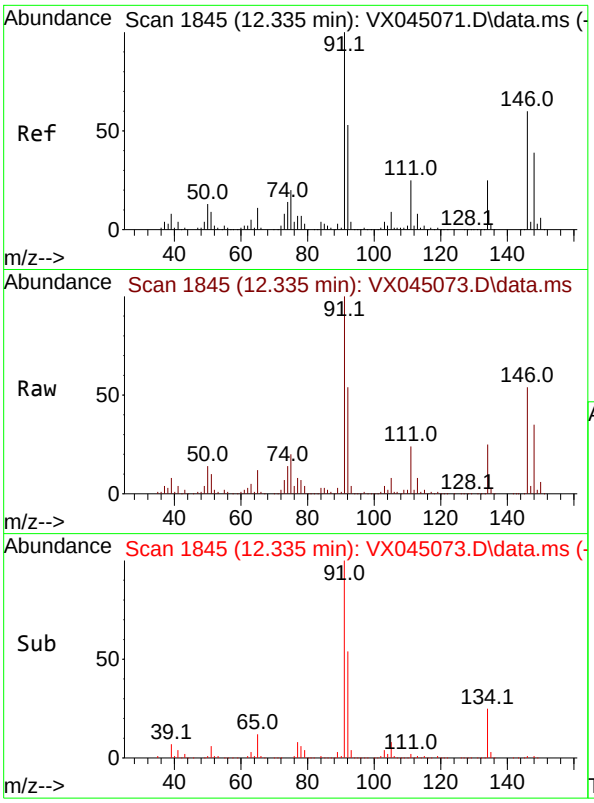


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9



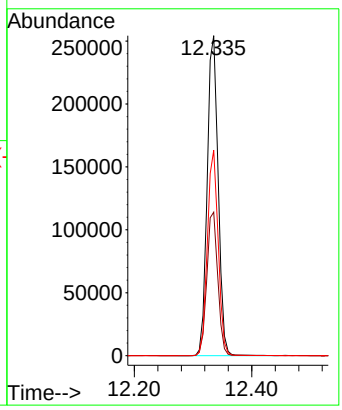


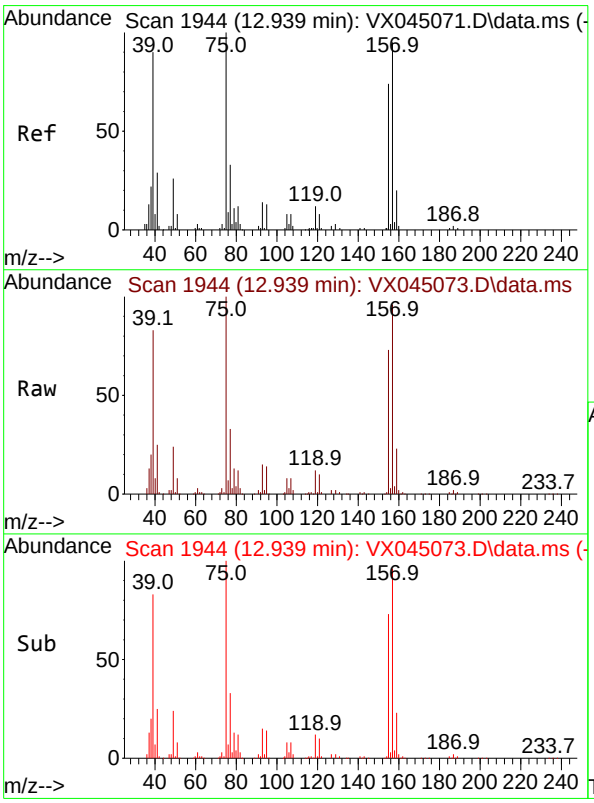
#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 329318

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9

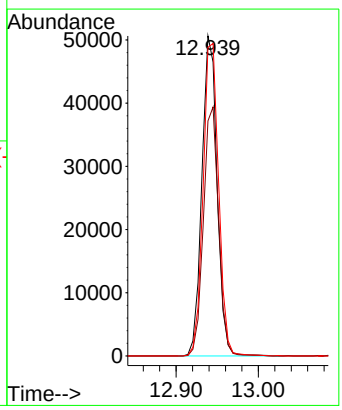


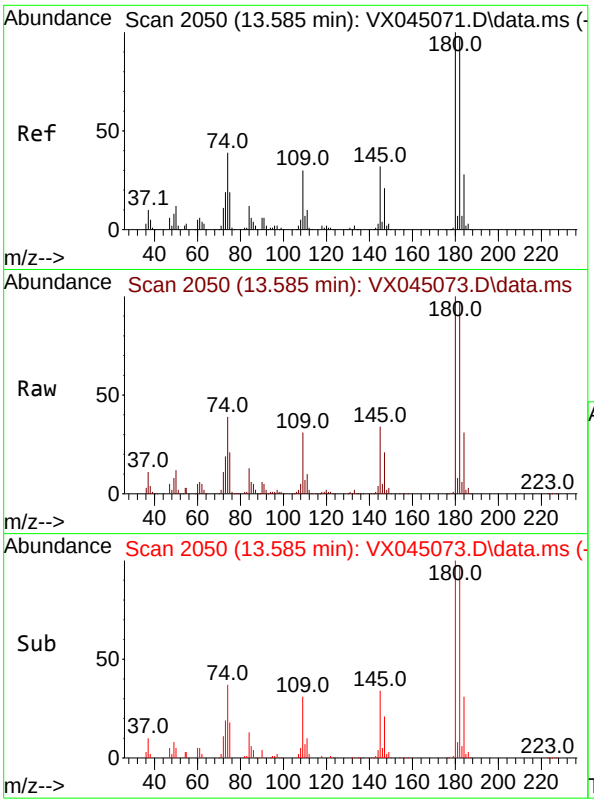


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4



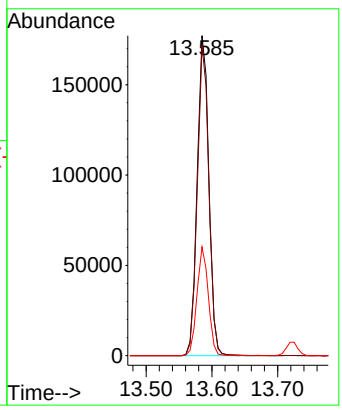


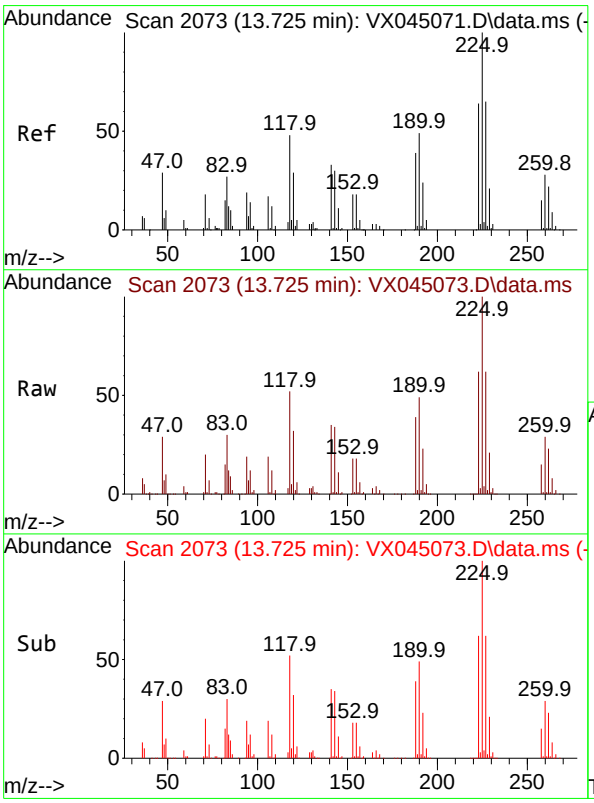
#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 219313

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9

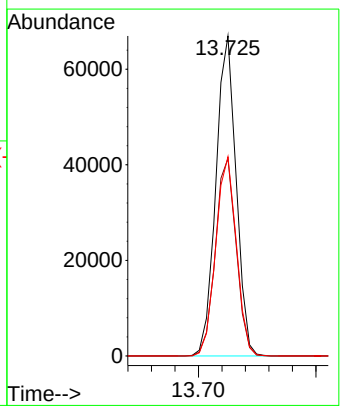


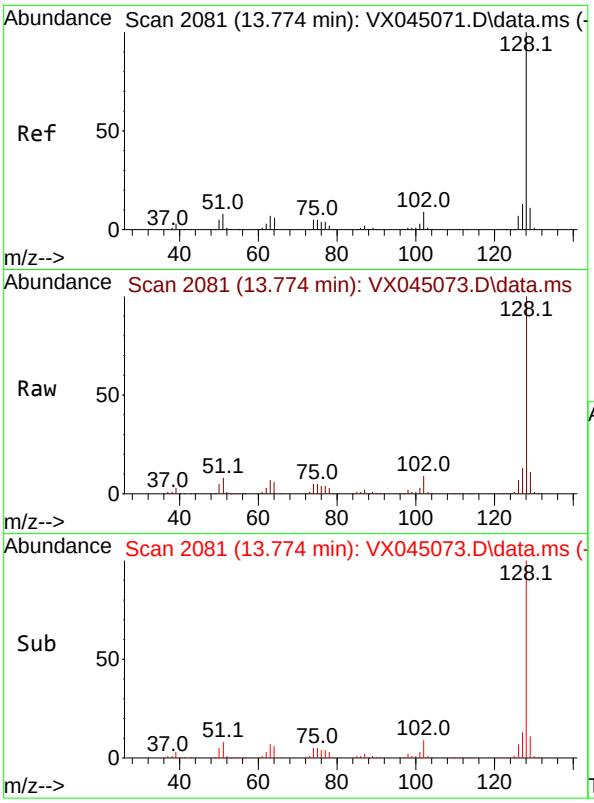


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0



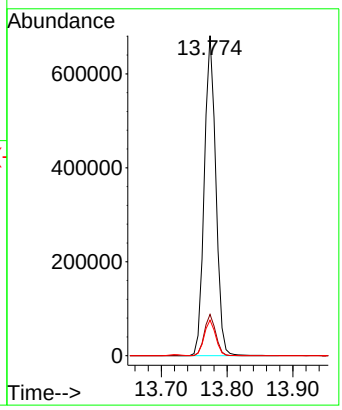


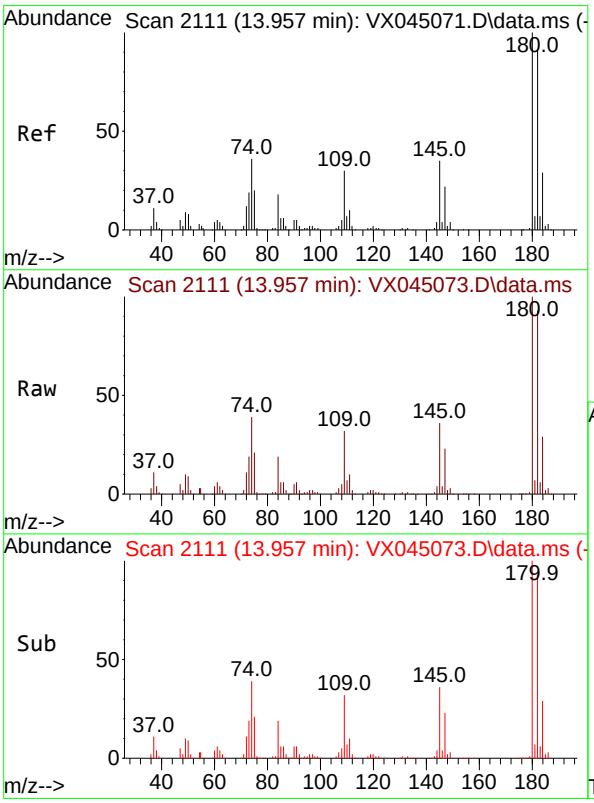
#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 828949

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

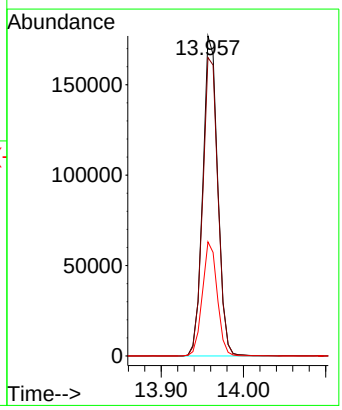




#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	102821	63.694	ug/l		87
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

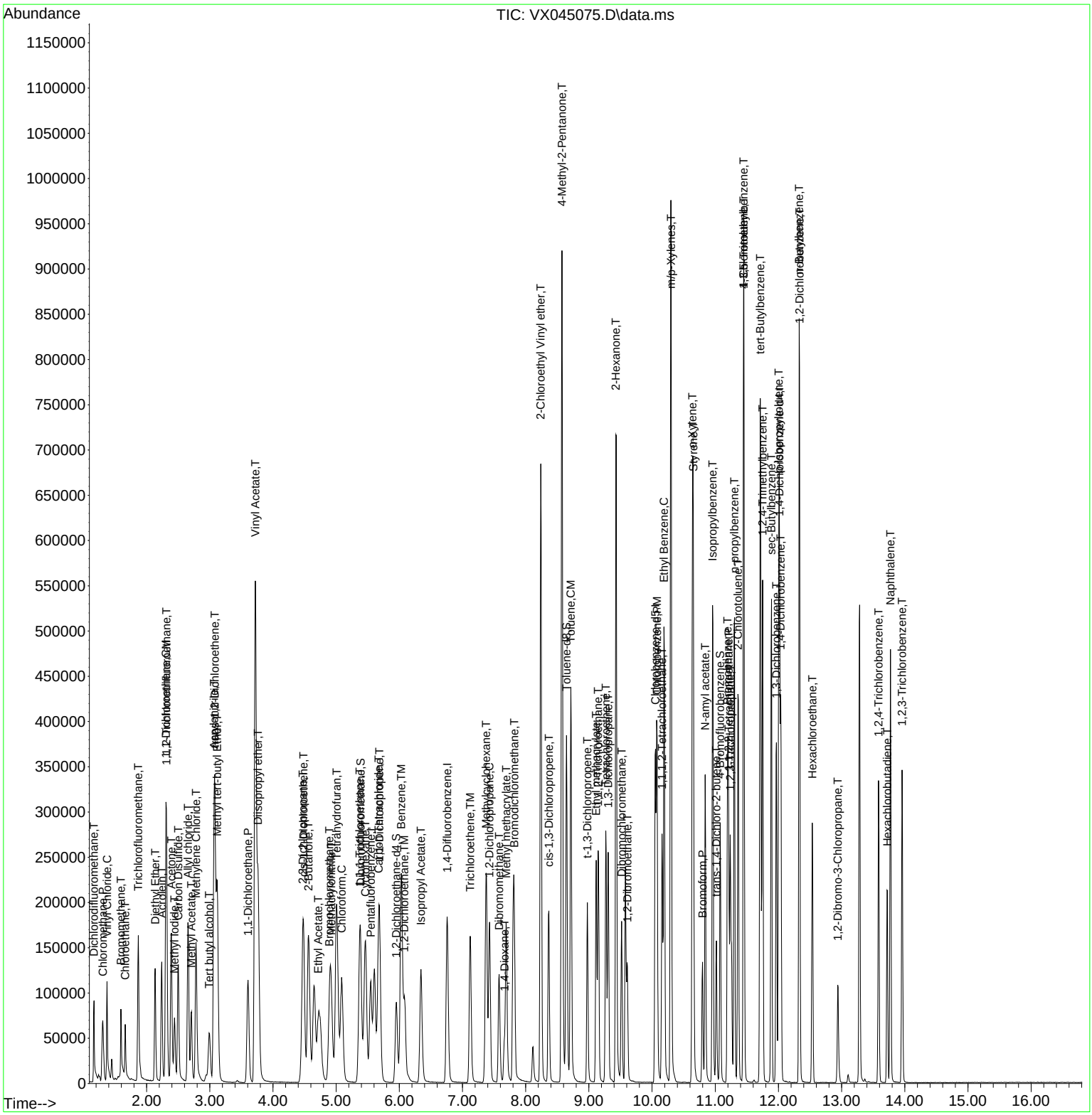
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

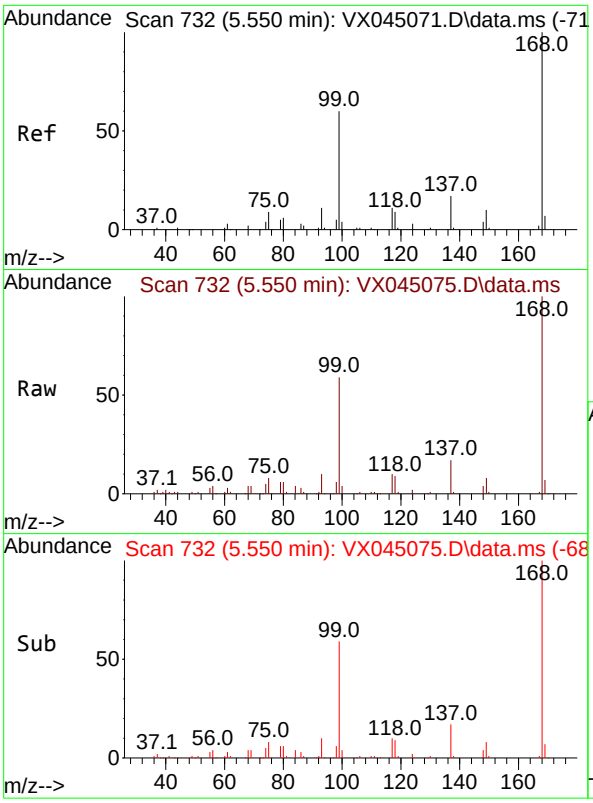
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



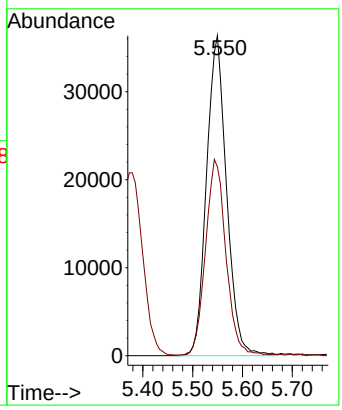


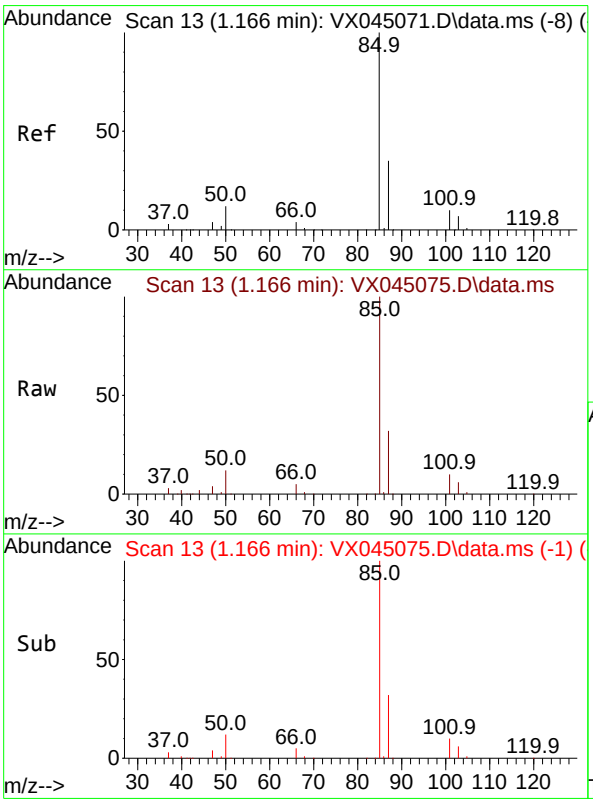
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 101603

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4

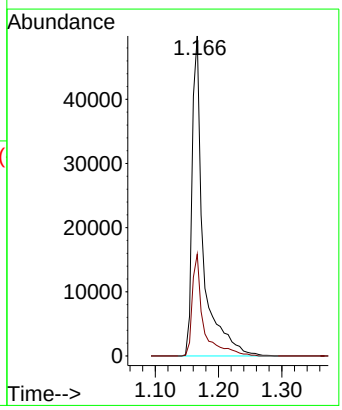


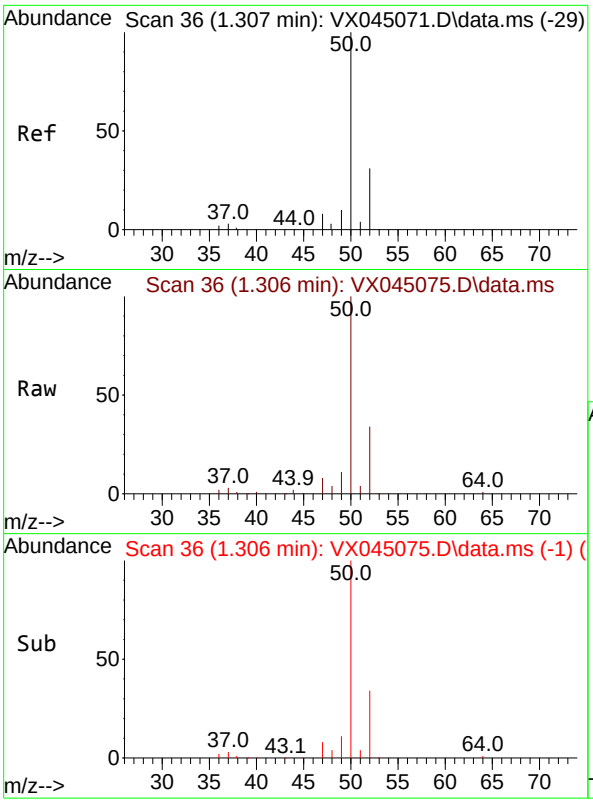


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



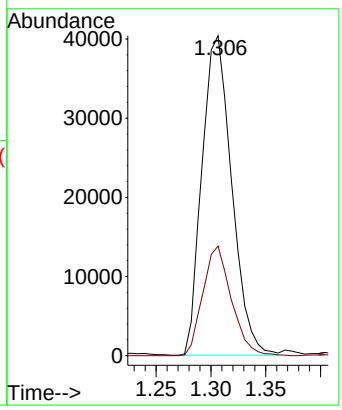


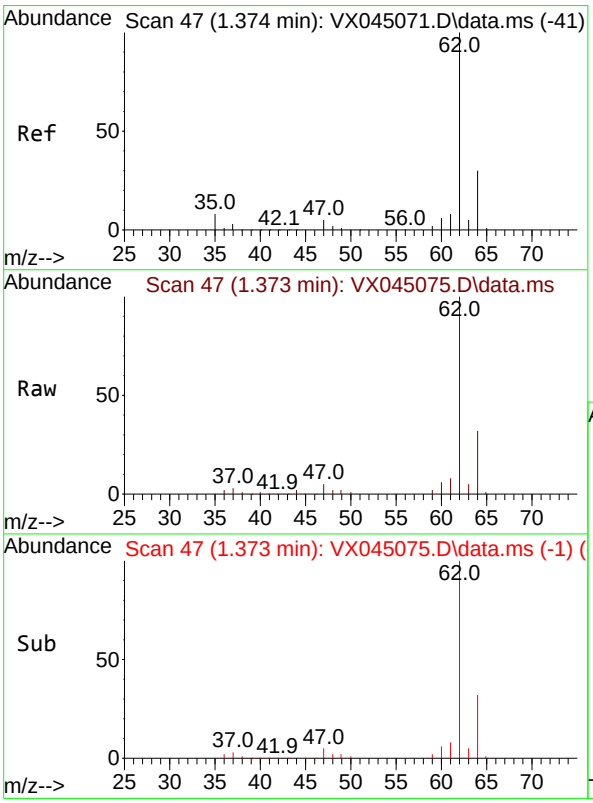
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 50 Resp: 76216

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

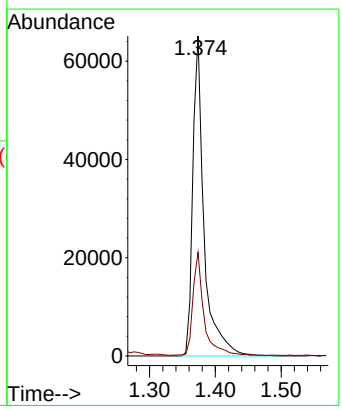


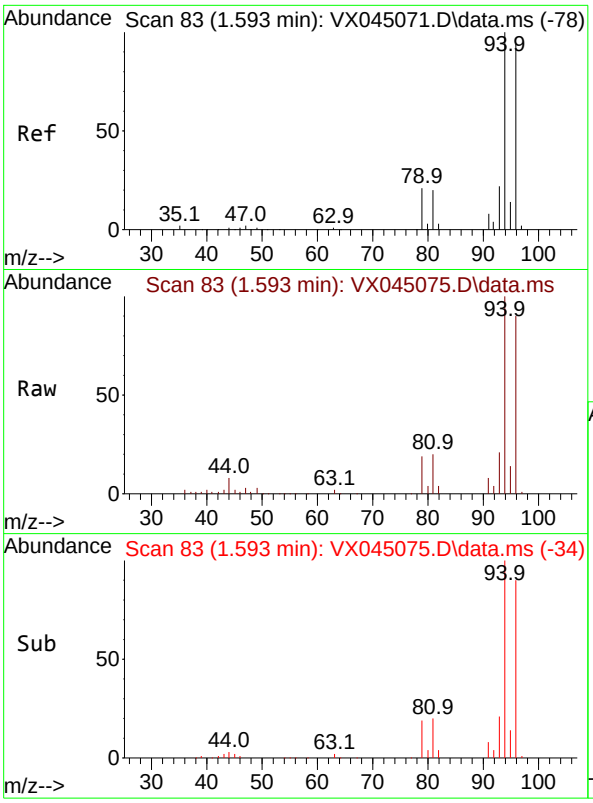


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



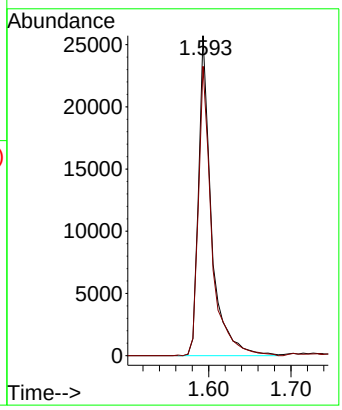


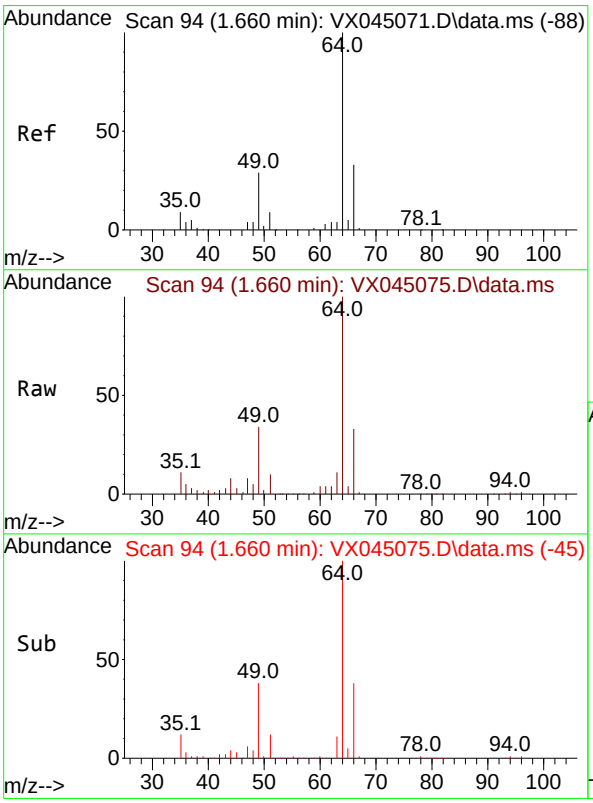
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 94 Resp: 28193

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4

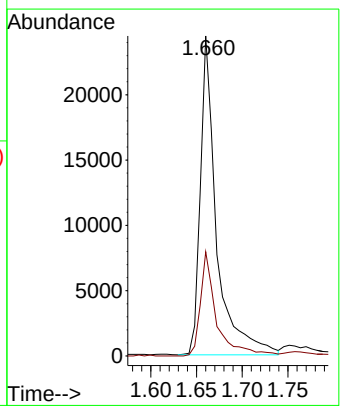


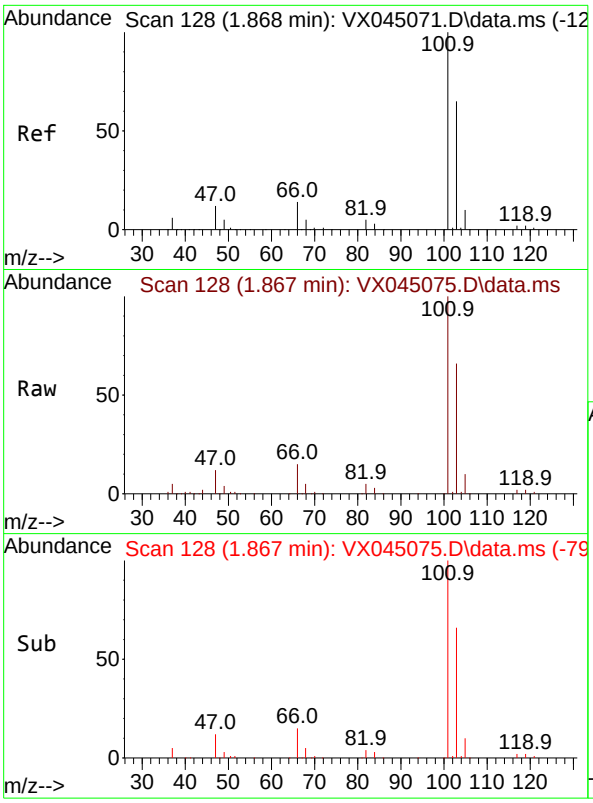


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



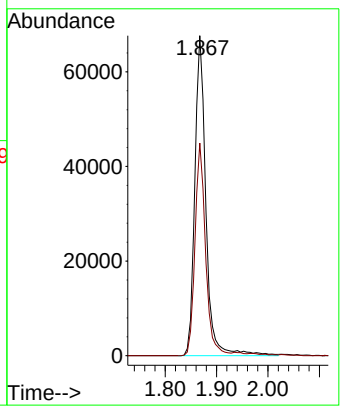


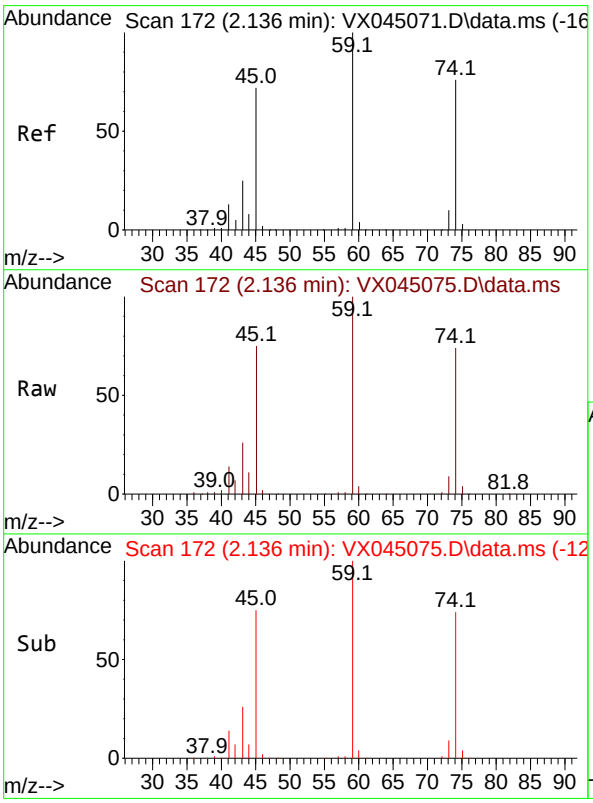
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 101886

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

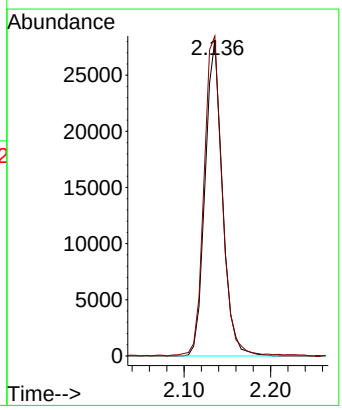


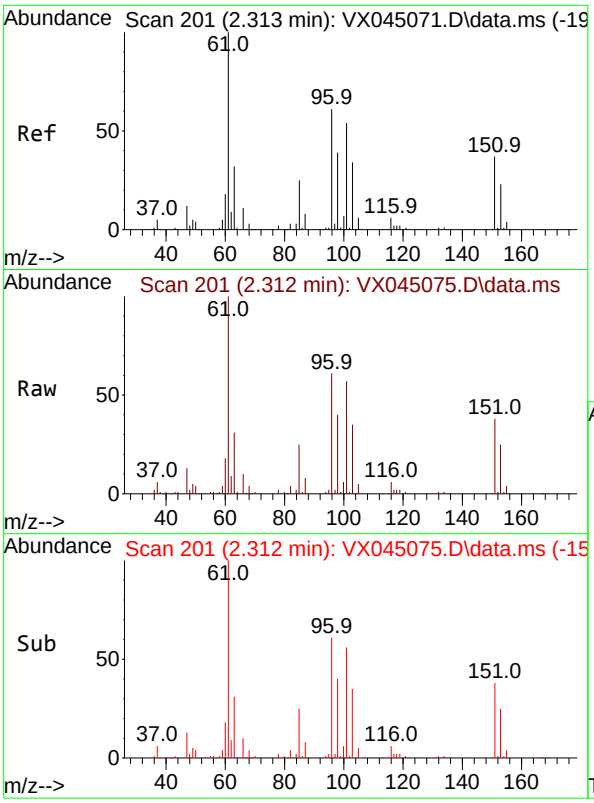


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



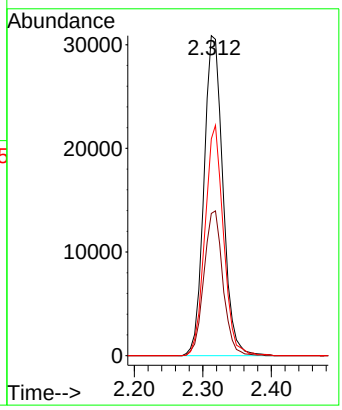


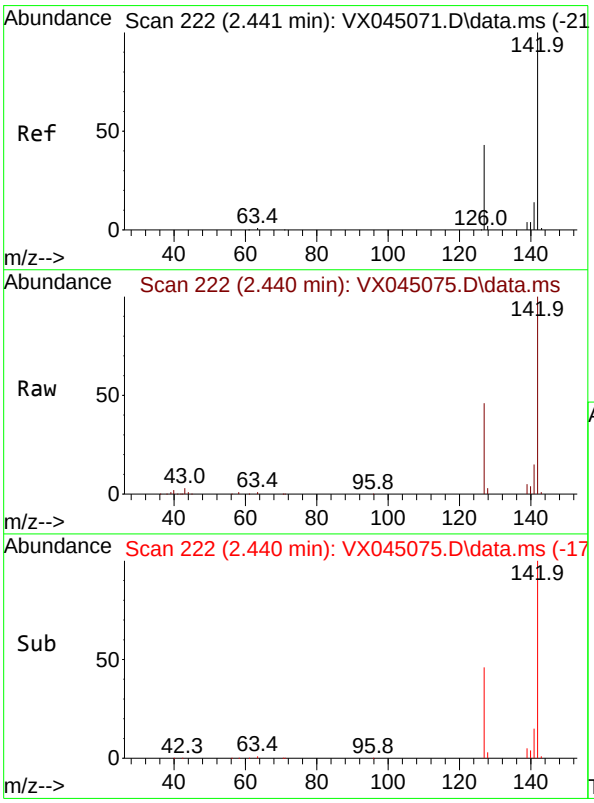
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 59477

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

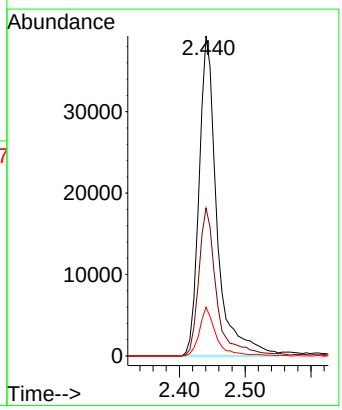


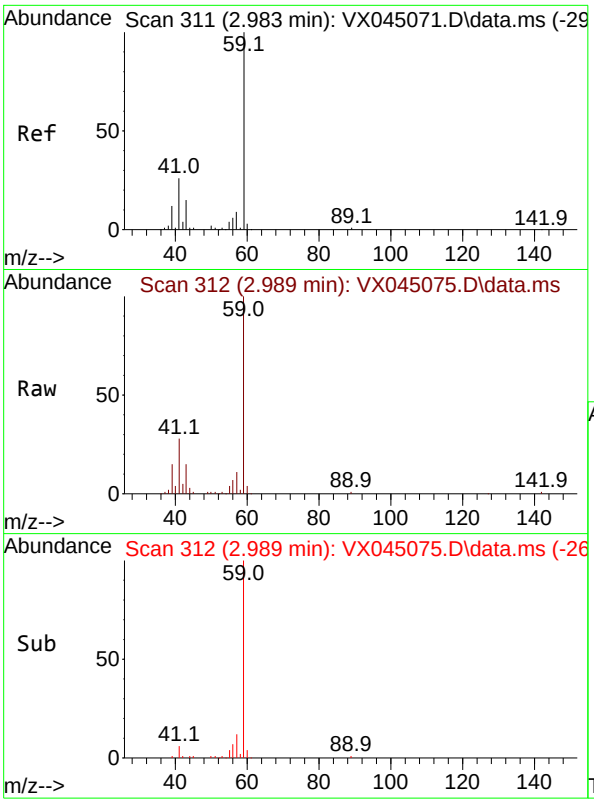


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4



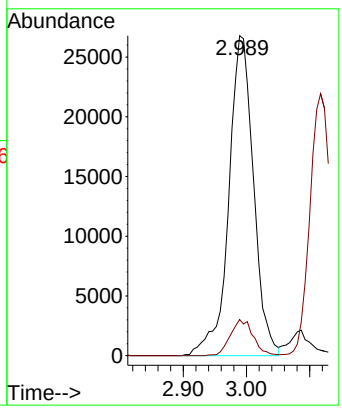


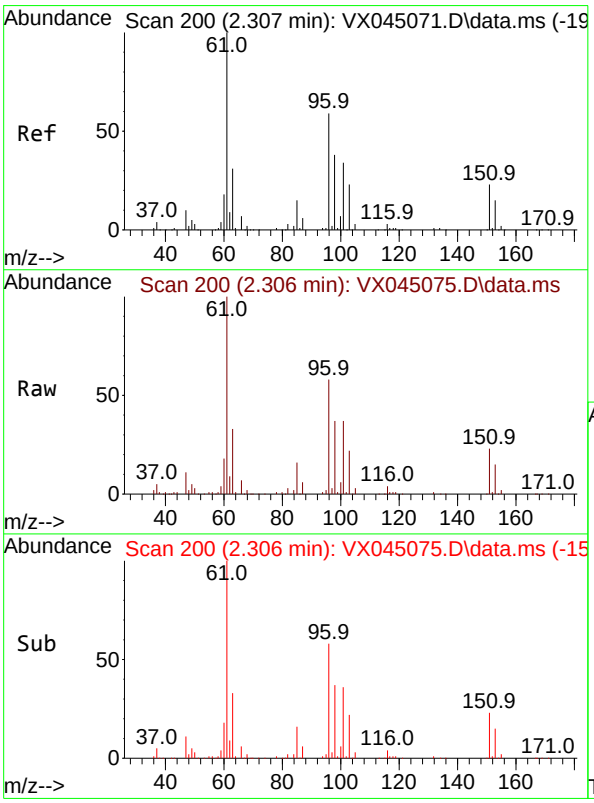
#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

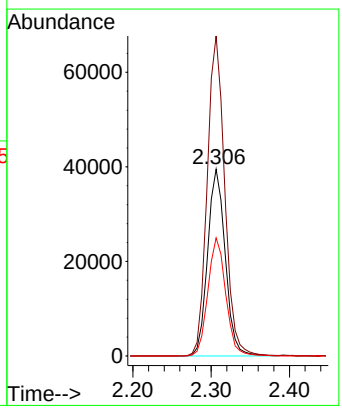


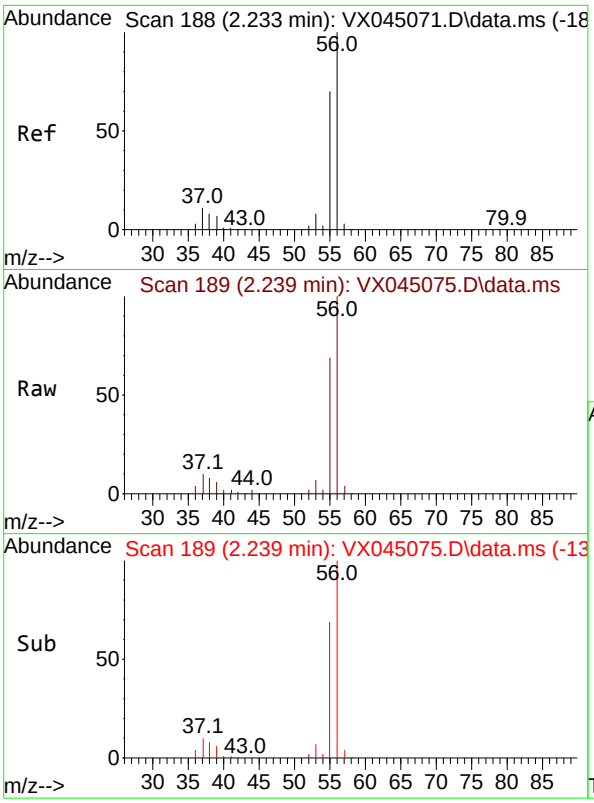


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6



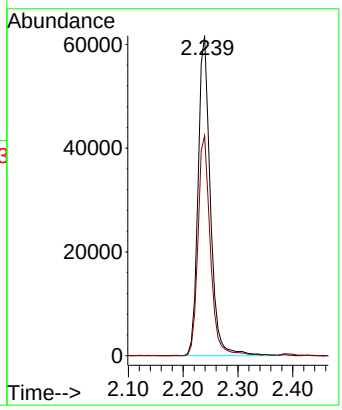


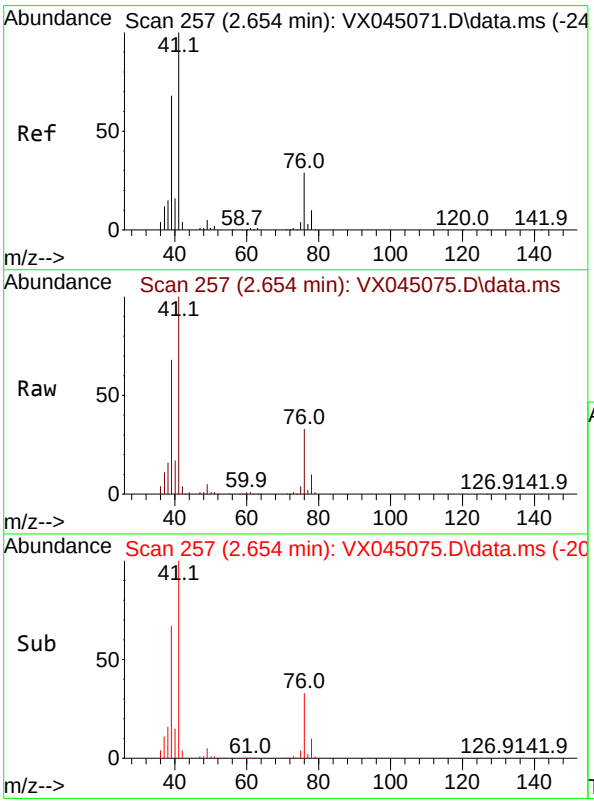
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4

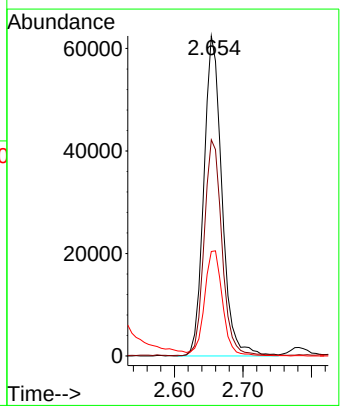


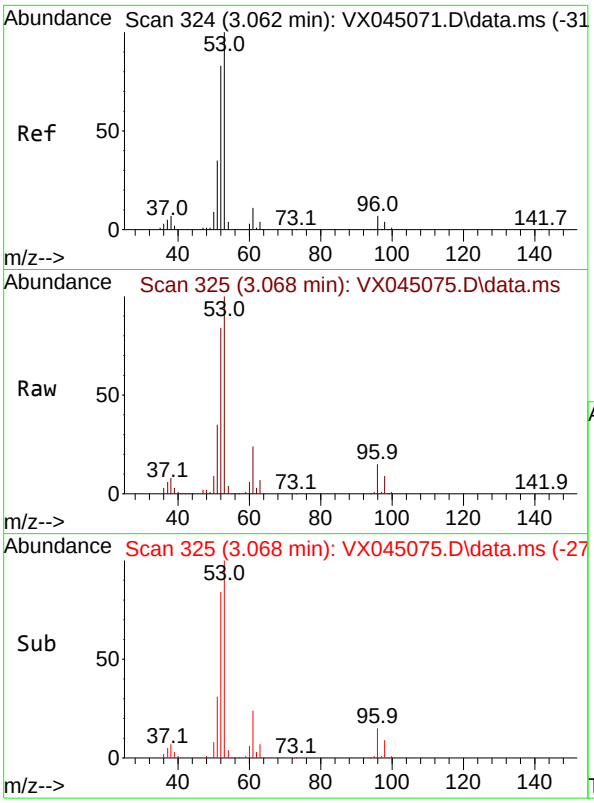


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8



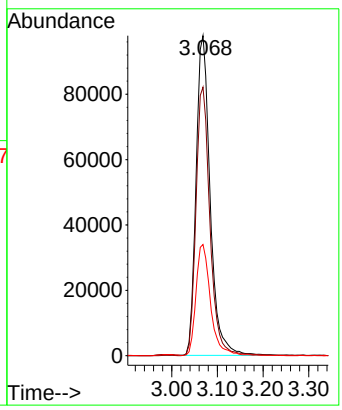


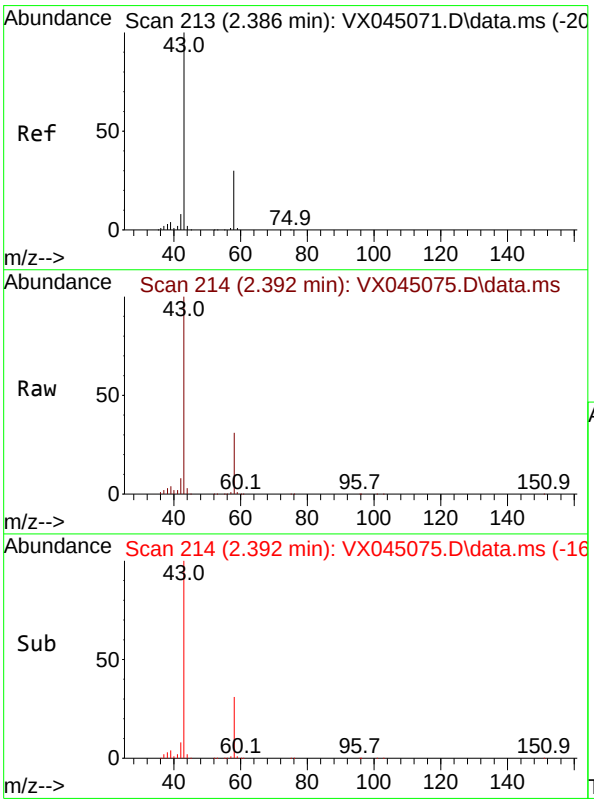
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 53 Resp: 209607

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4

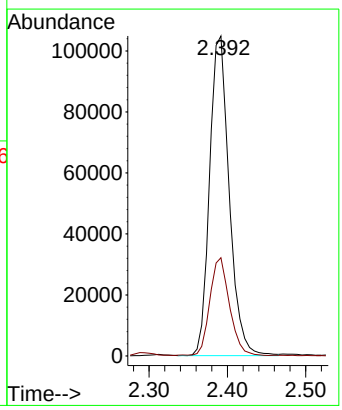


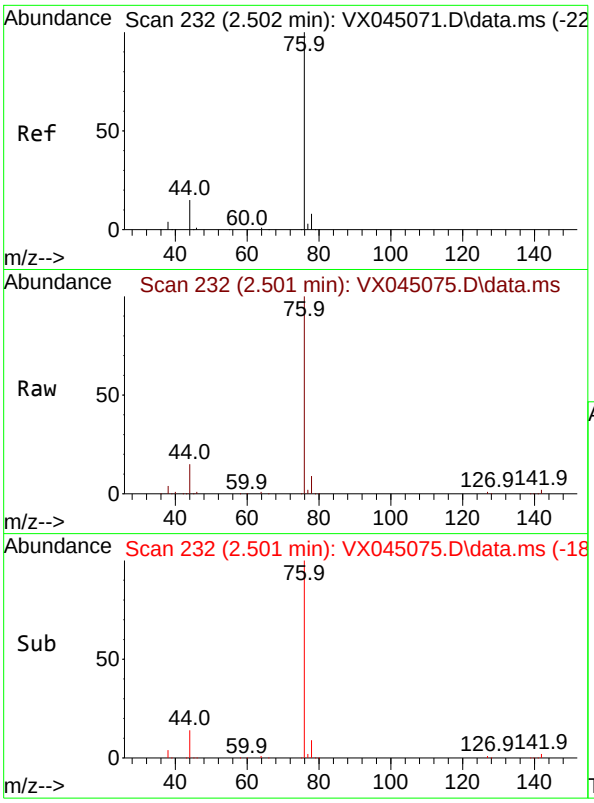


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



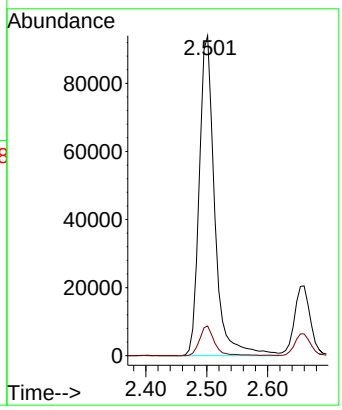


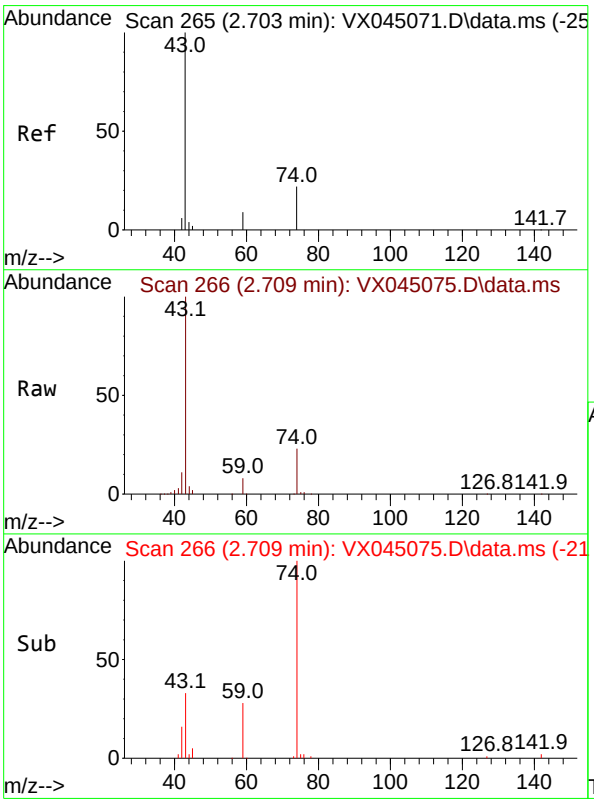
#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 166105

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

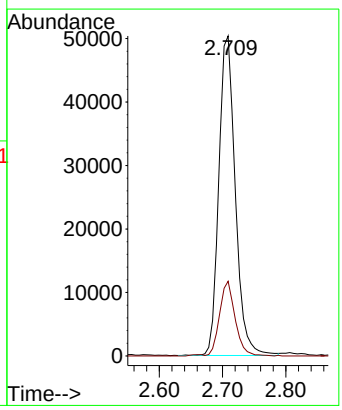


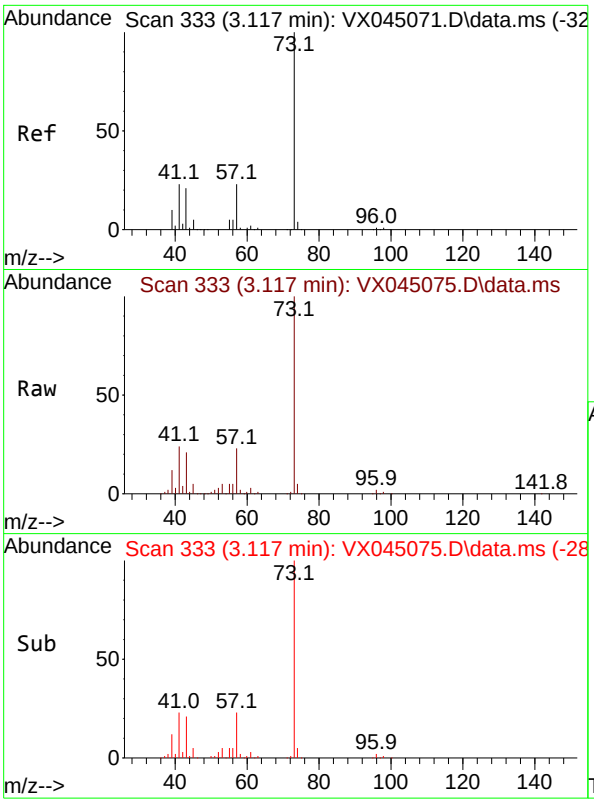


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



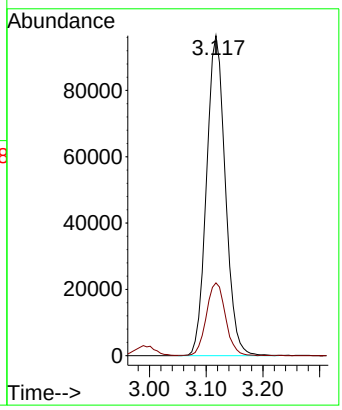


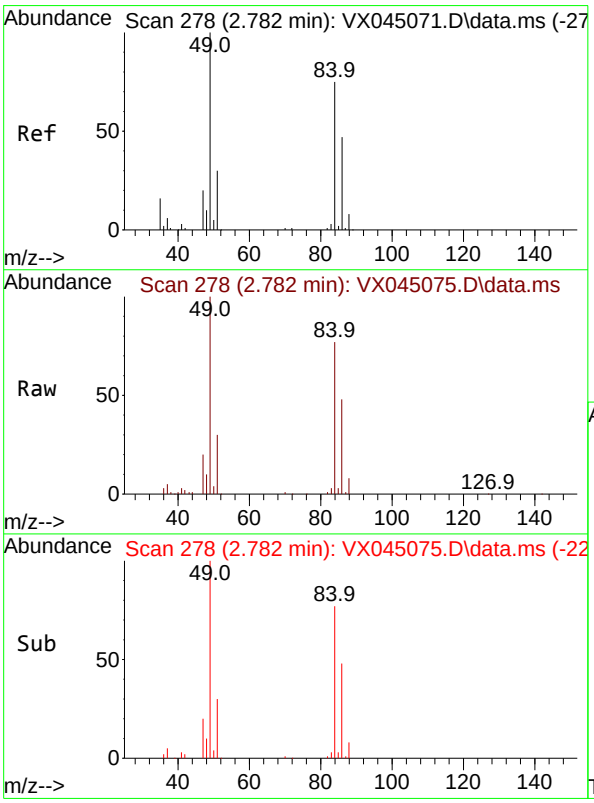
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

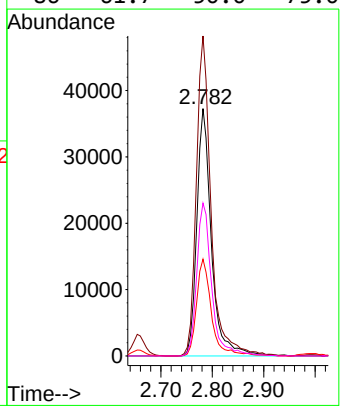


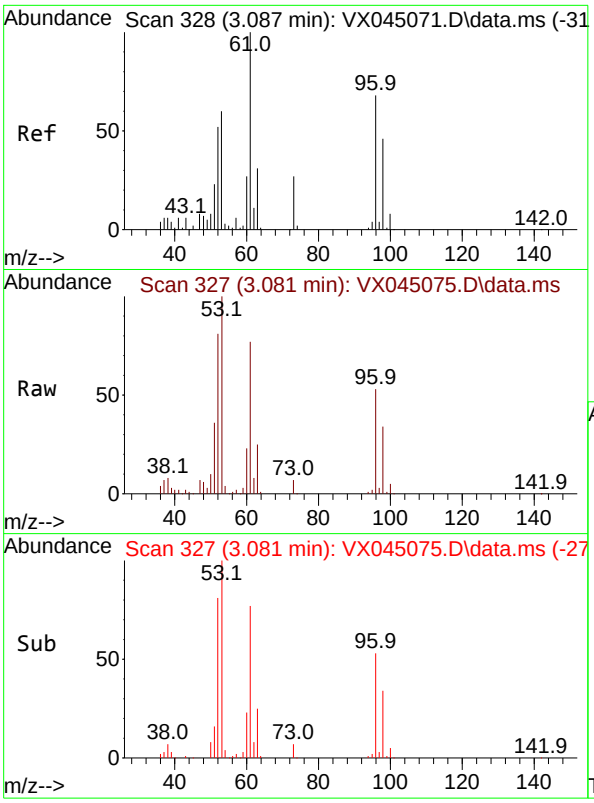


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0



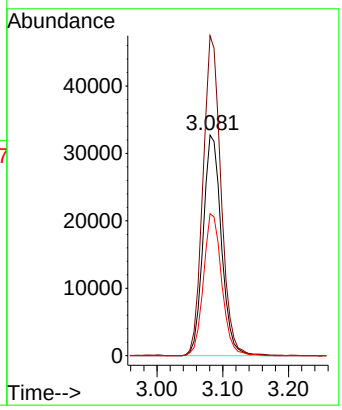


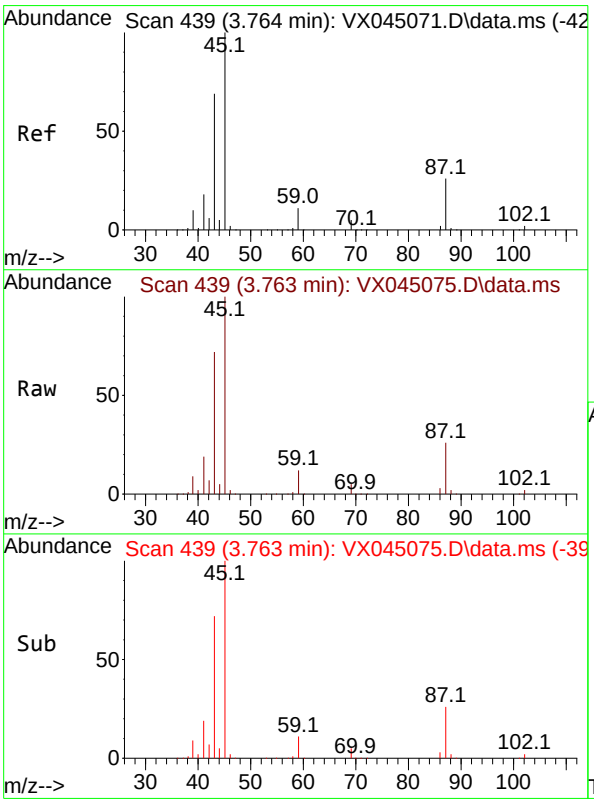
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 63117

Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2

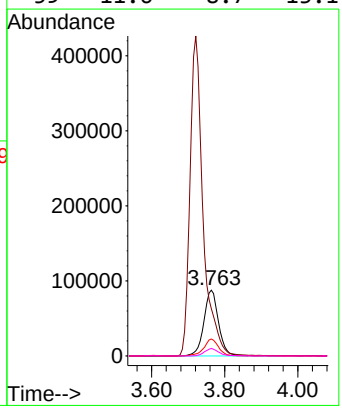


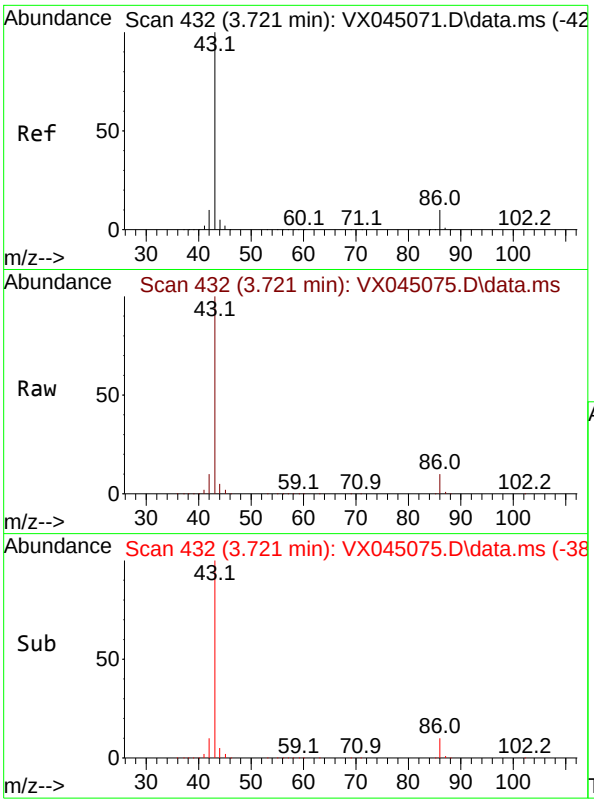


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1



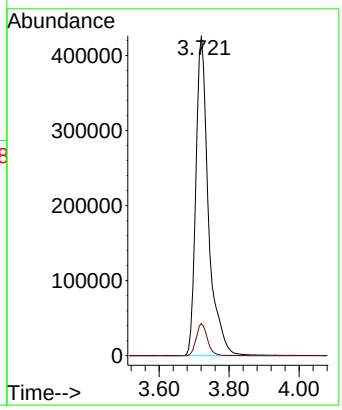


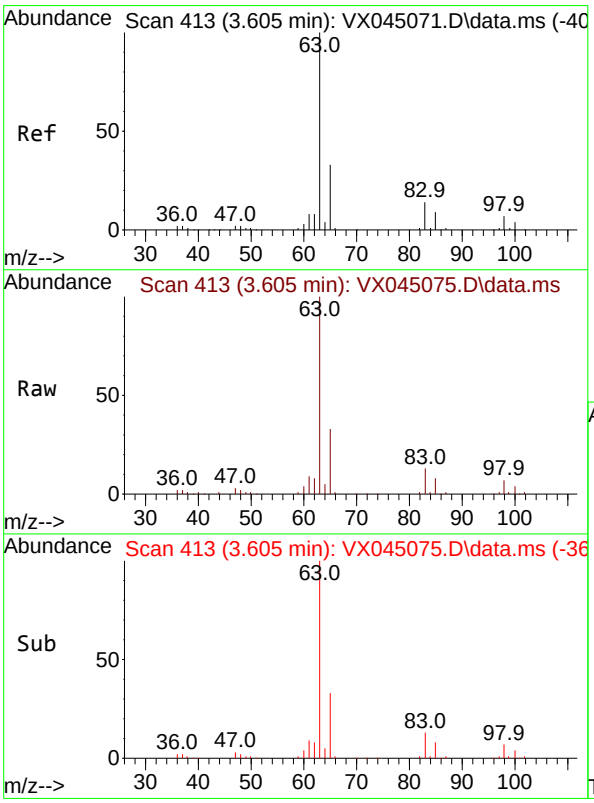
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 1064817

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

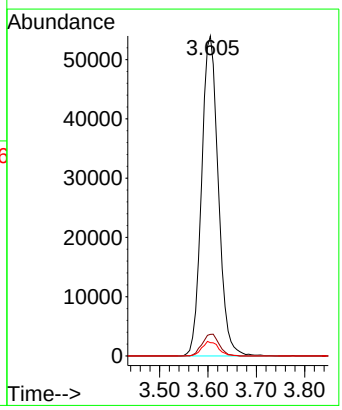


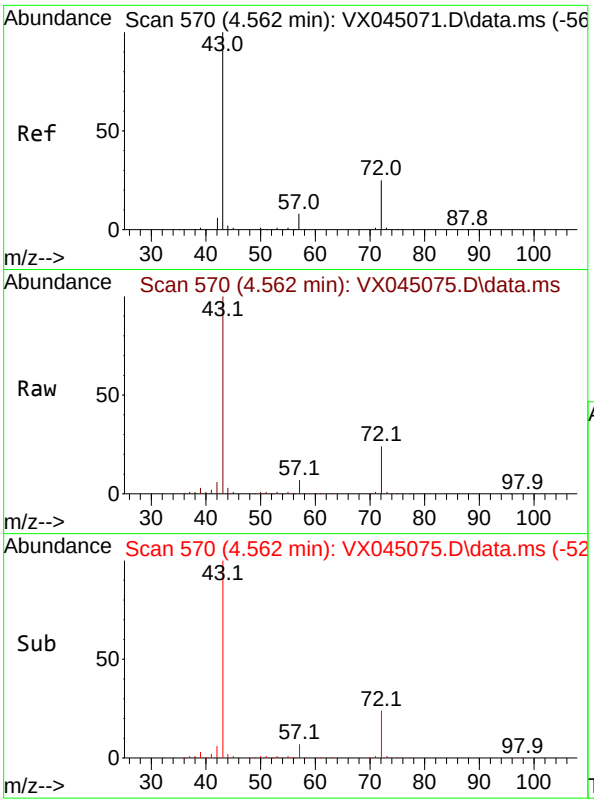


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5



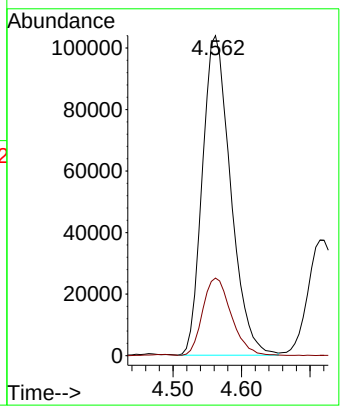


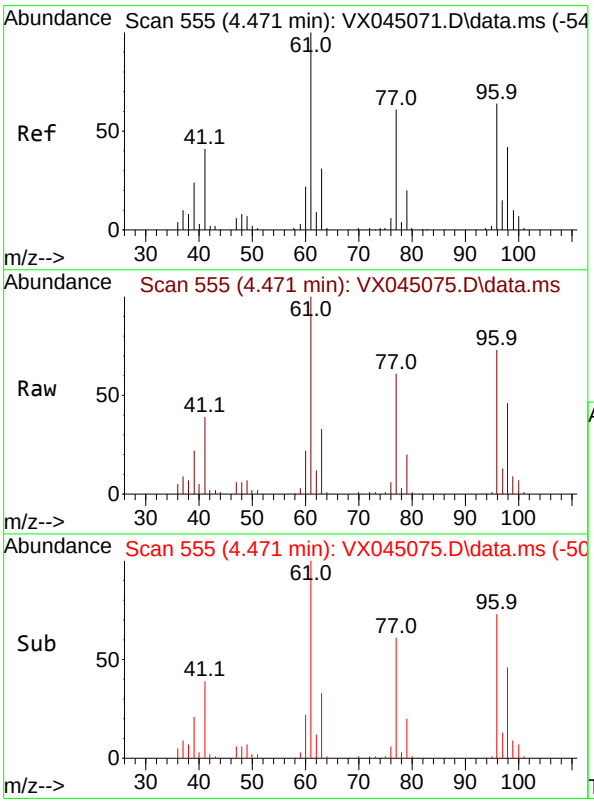
#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 298021

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

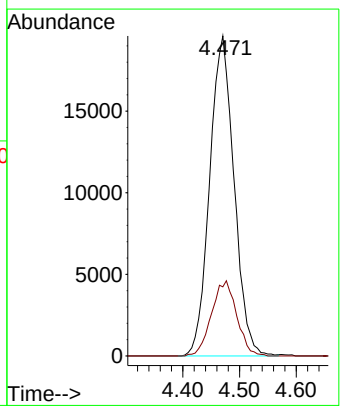


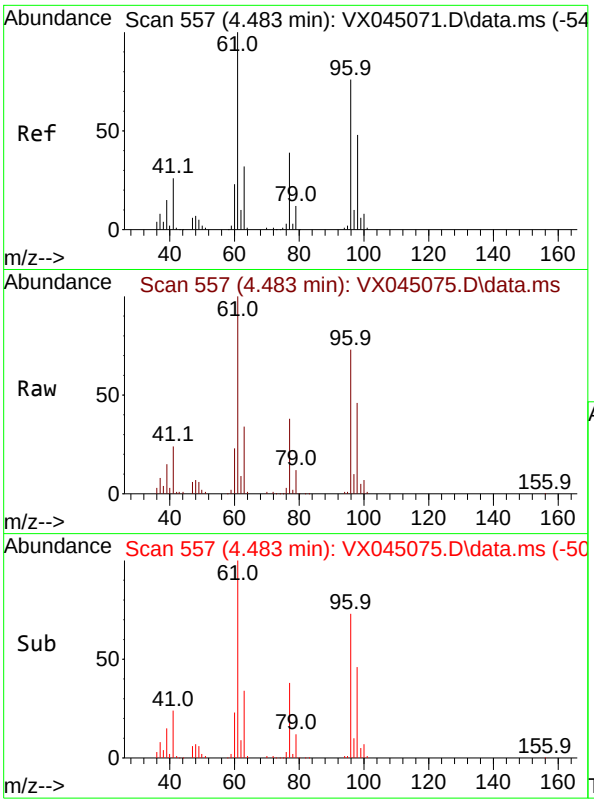


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



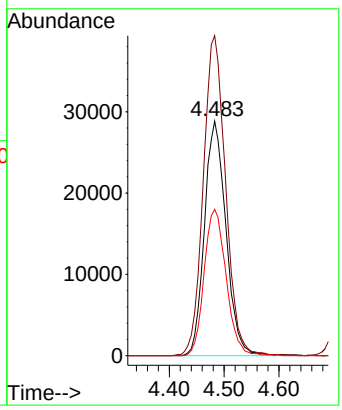


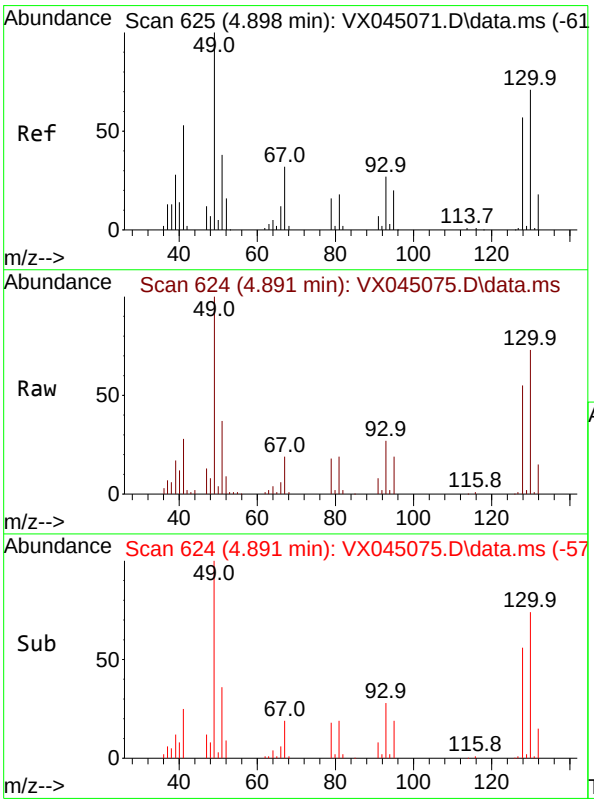
#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 78576

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0

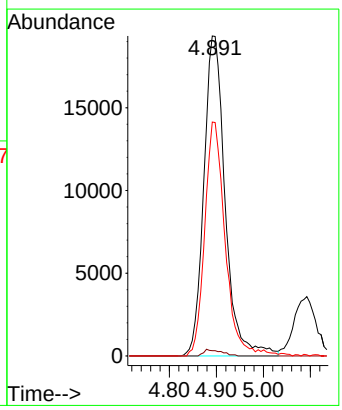


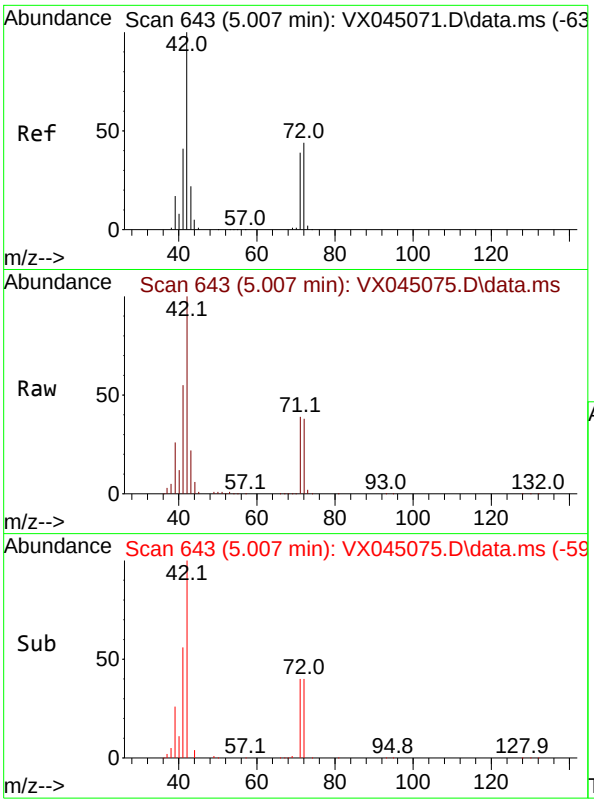


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1



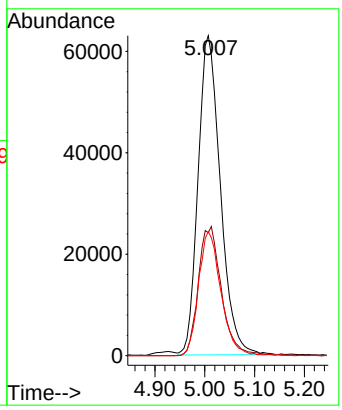


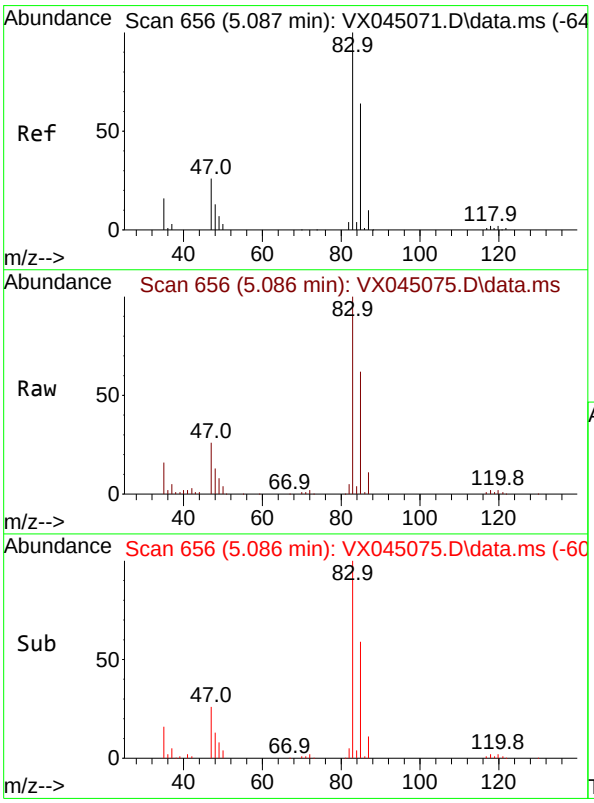
#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 42 Resp: 195768

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

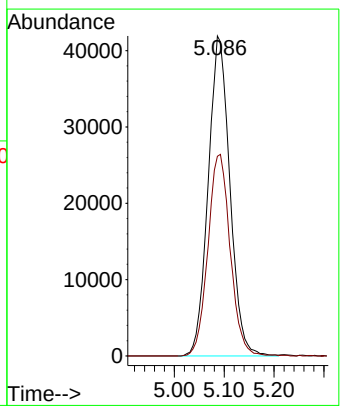


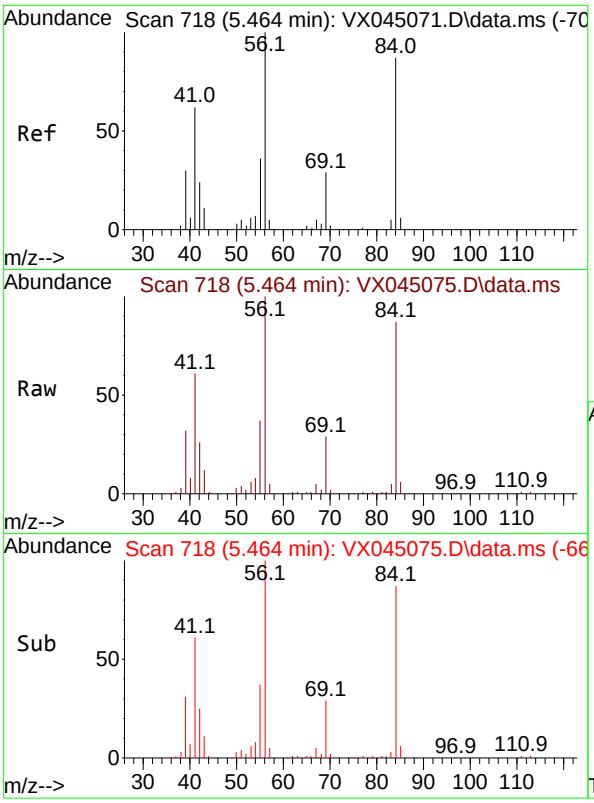


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



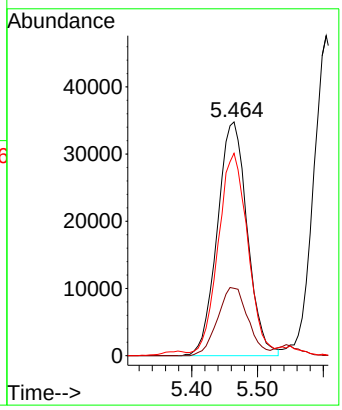


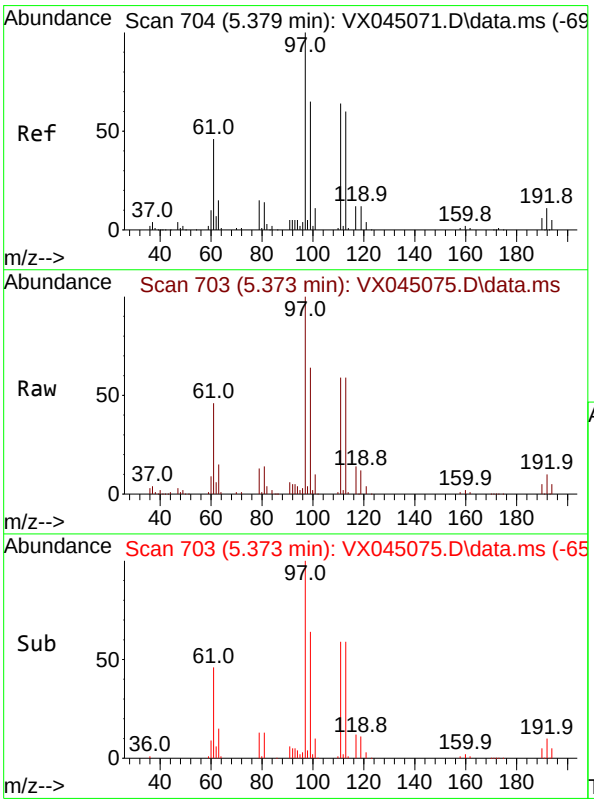
#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 110288

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2

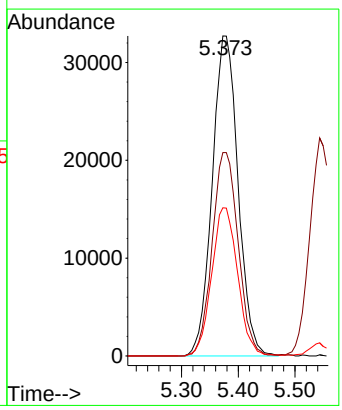


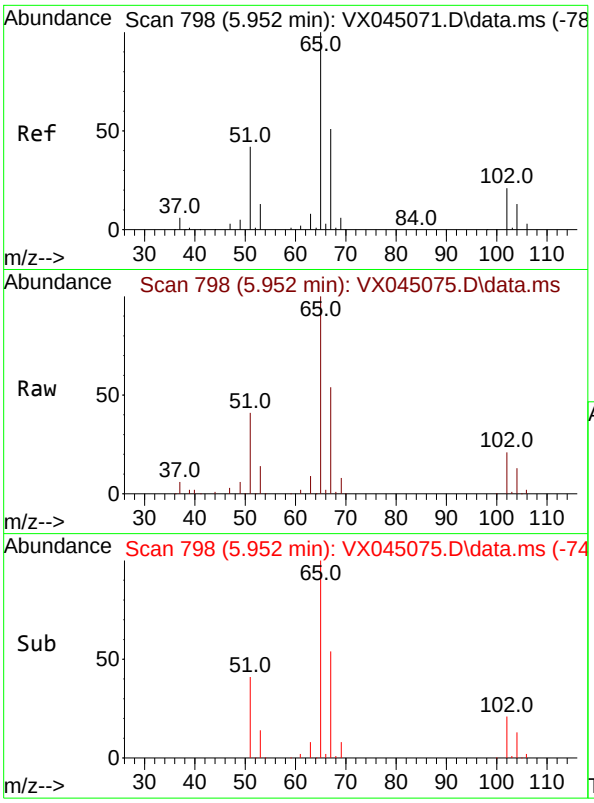


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6



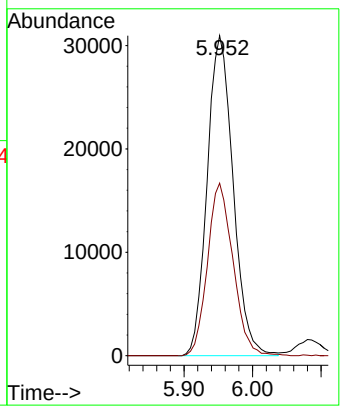


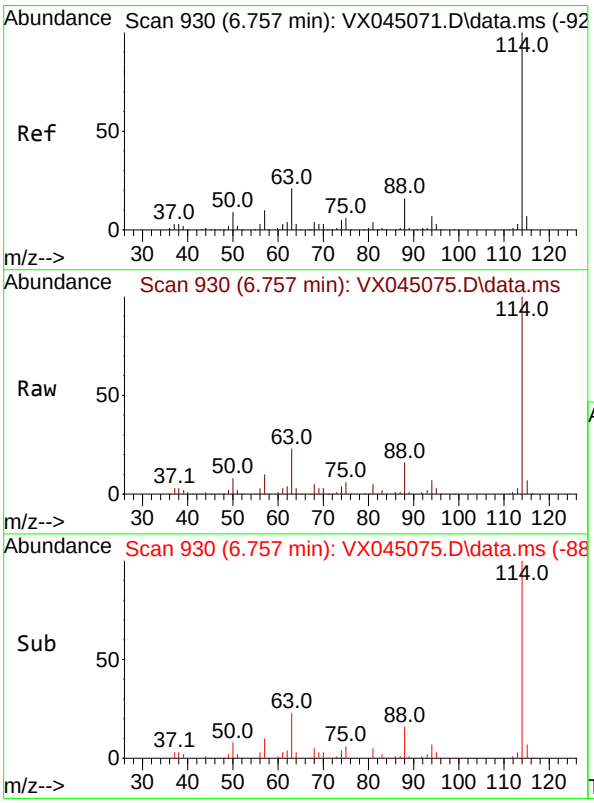
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

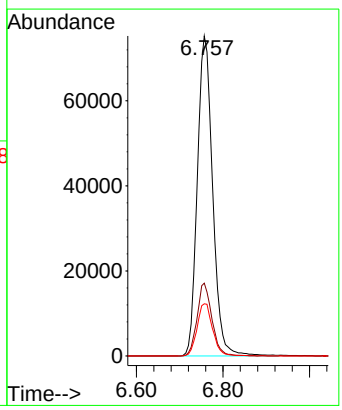


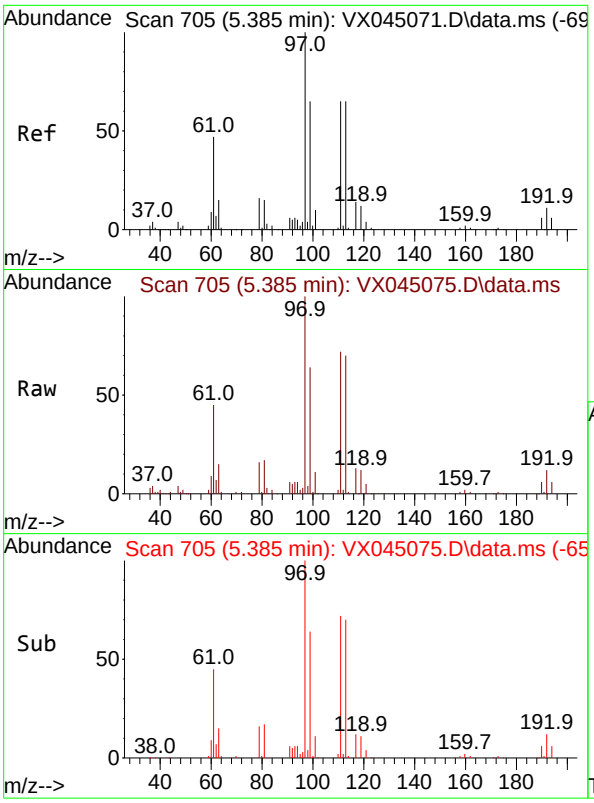


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8



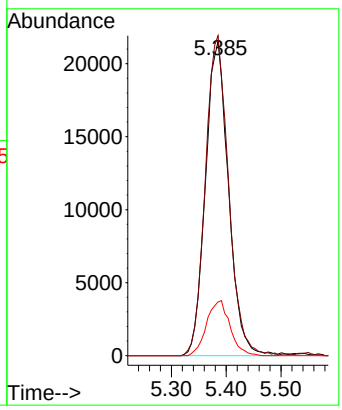


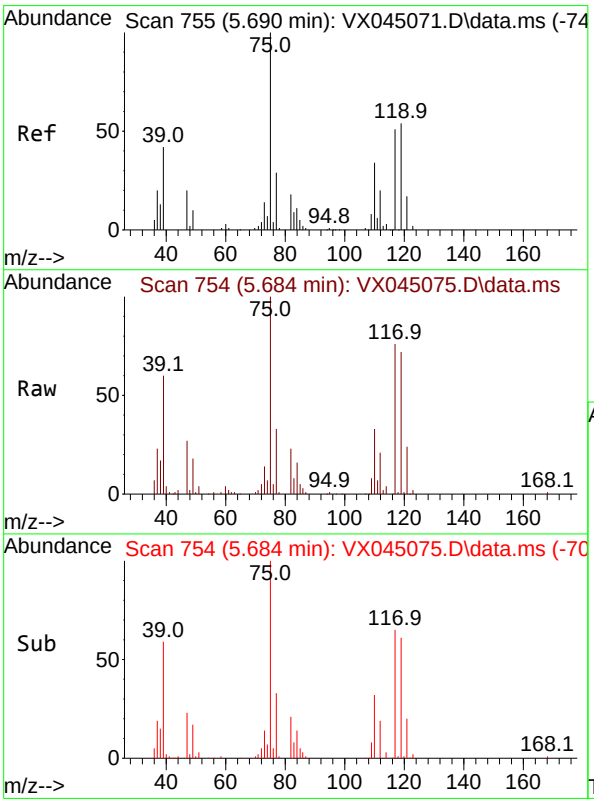
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:113 Resp: 62880

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5

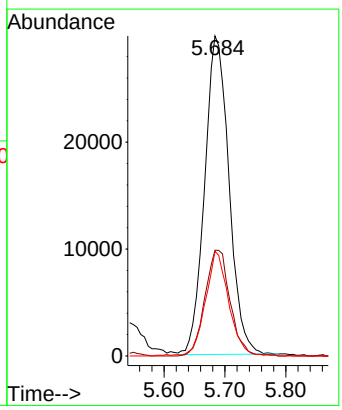


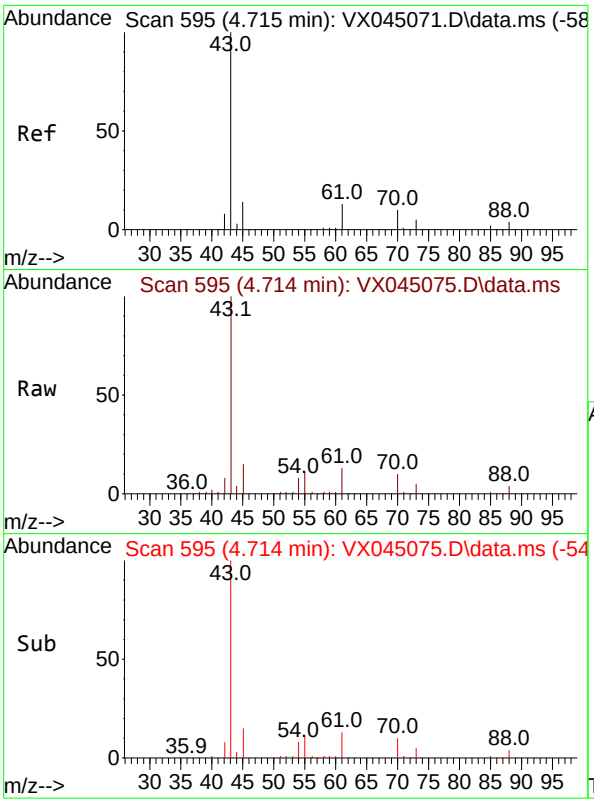


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7



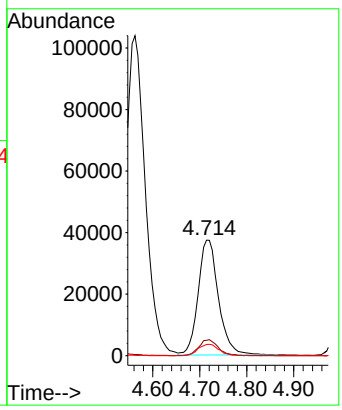


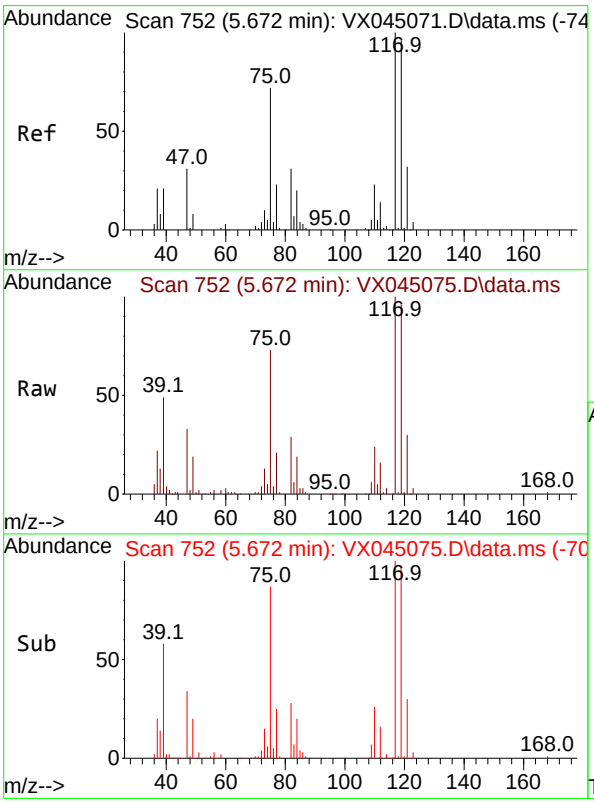
#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 112768

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5

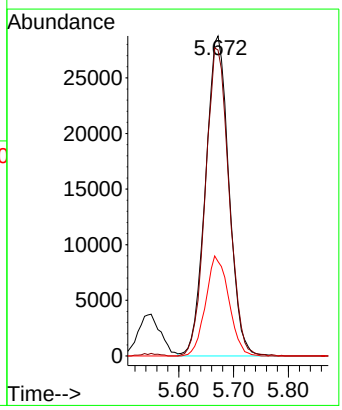


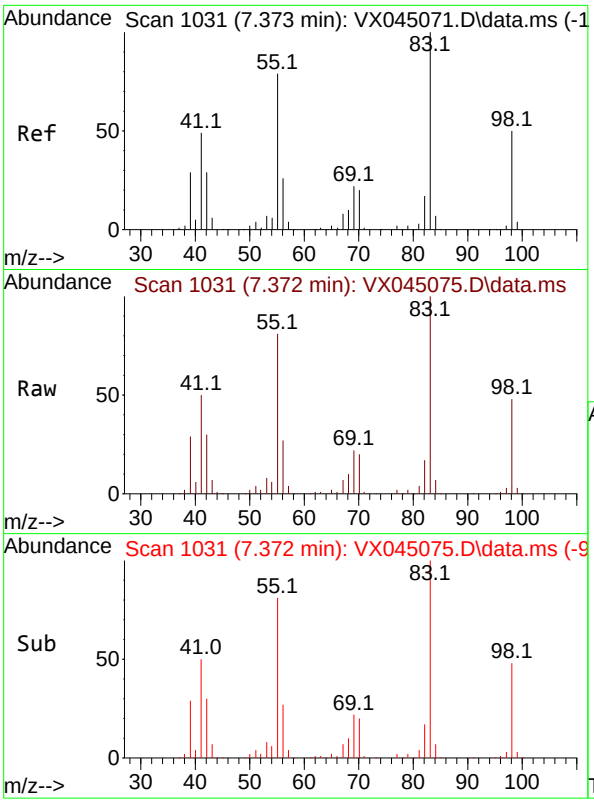


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3



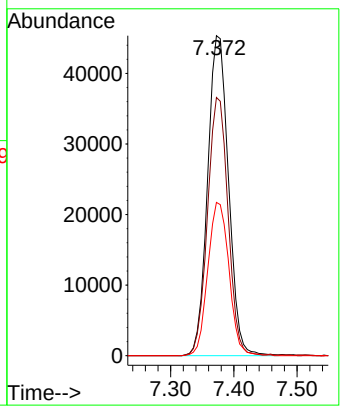


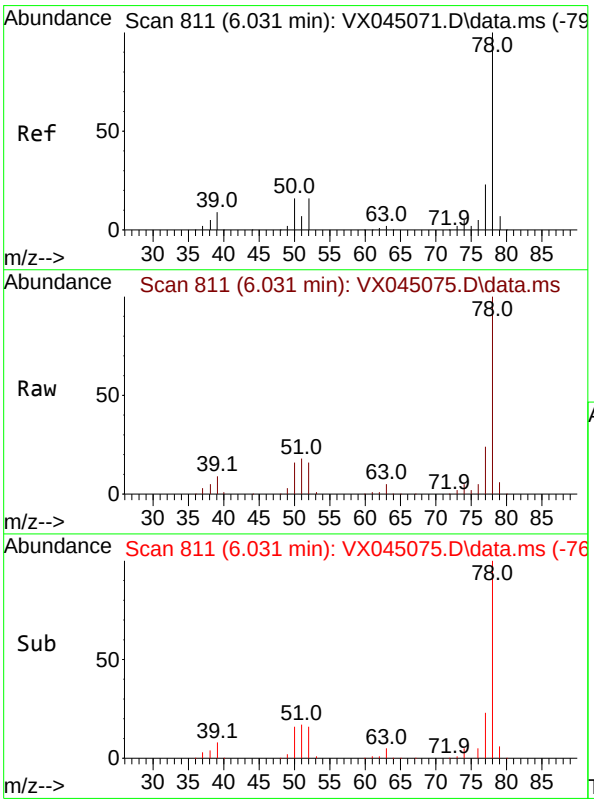
#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 103996

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5

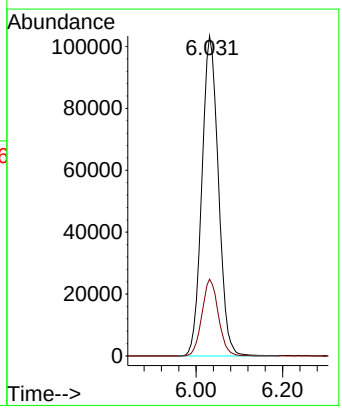


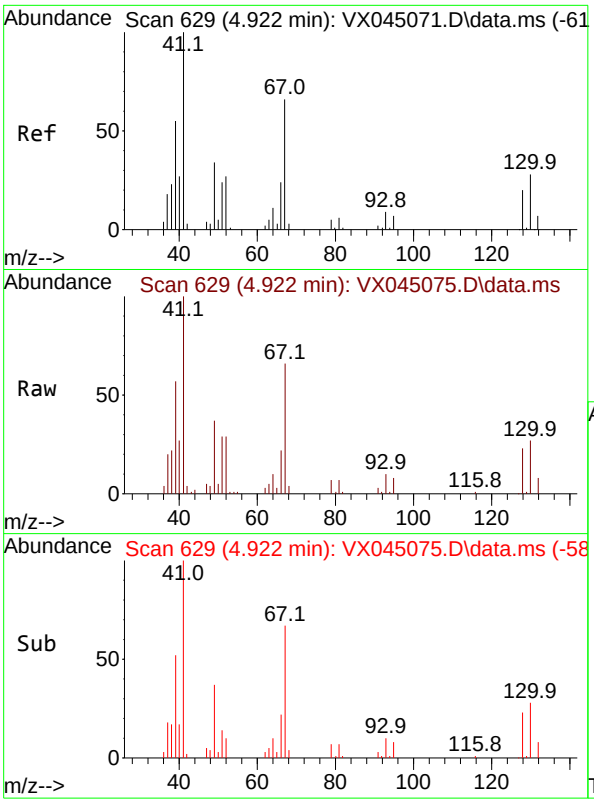


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



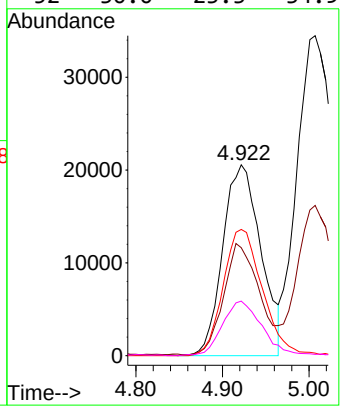


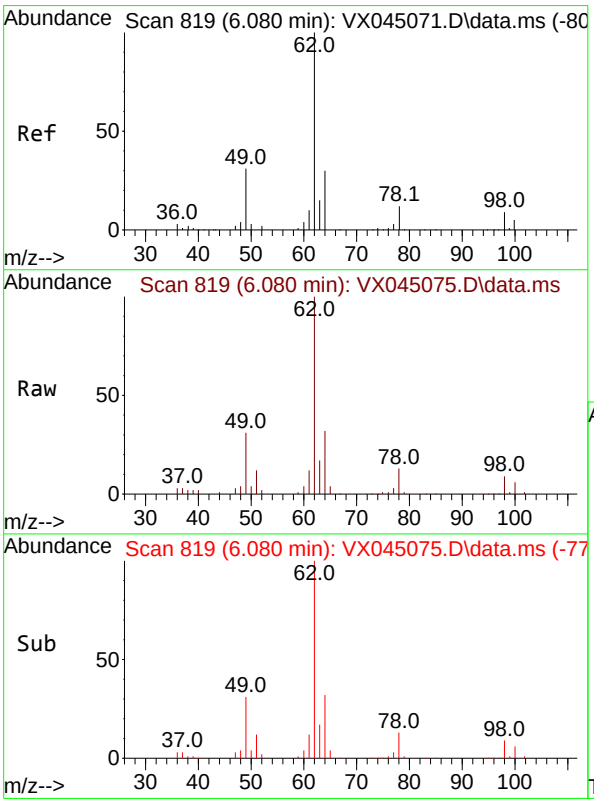
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 41 Resp: 63051

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9

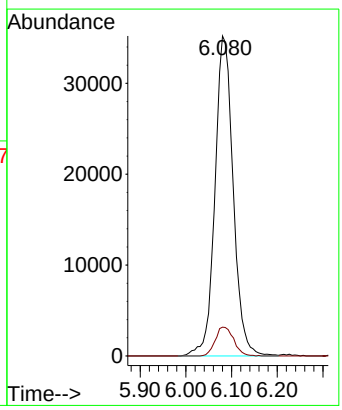


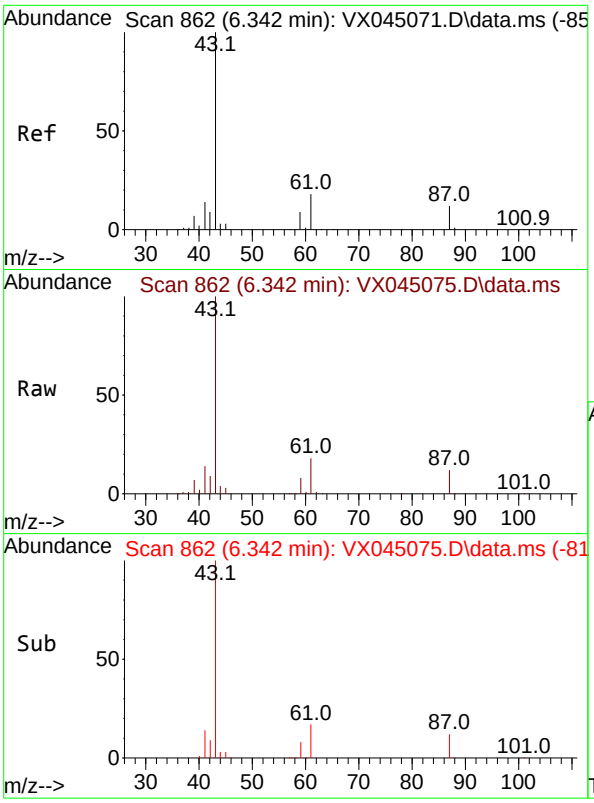


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



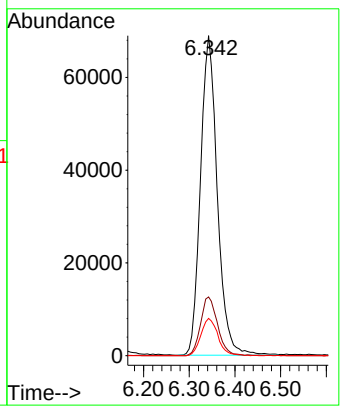


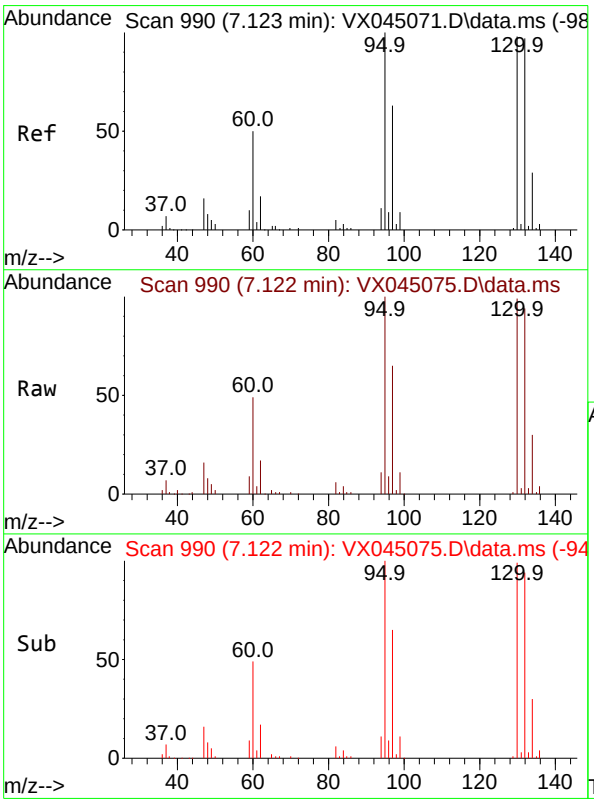
#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 175982

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

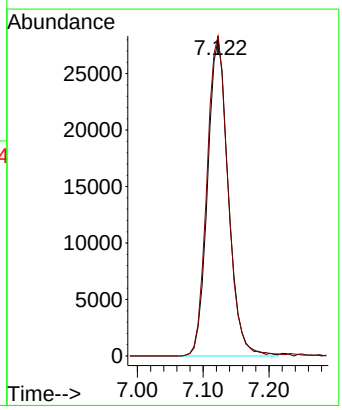


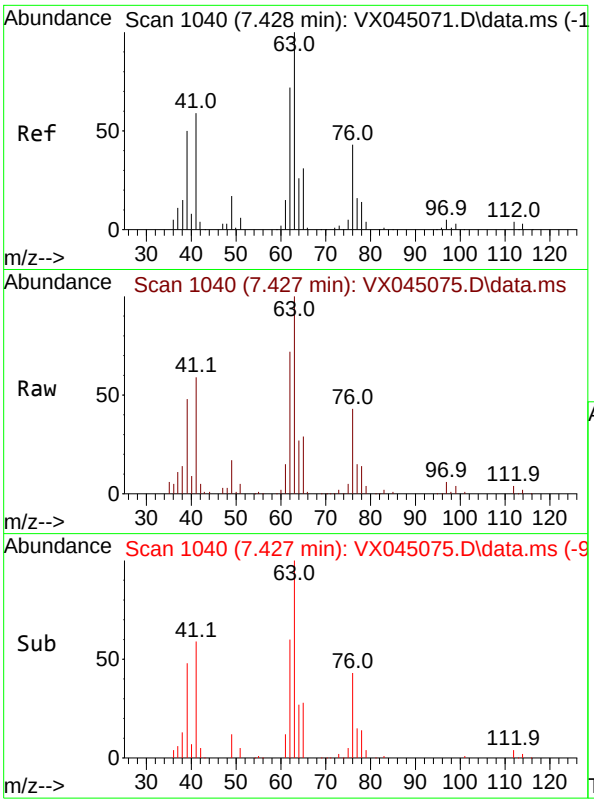


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0



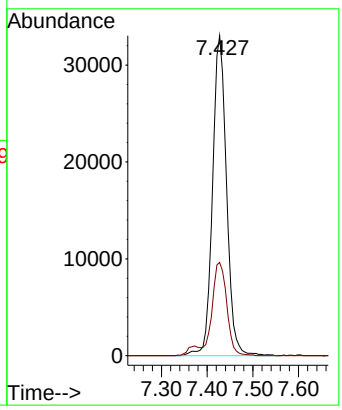


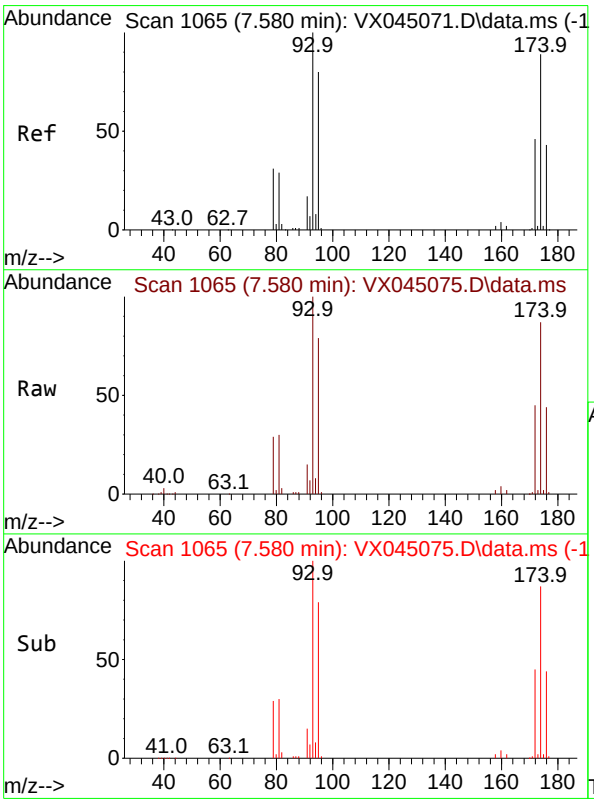
#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

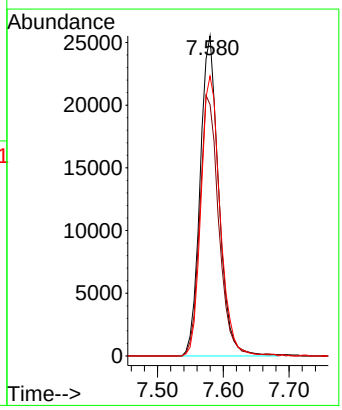


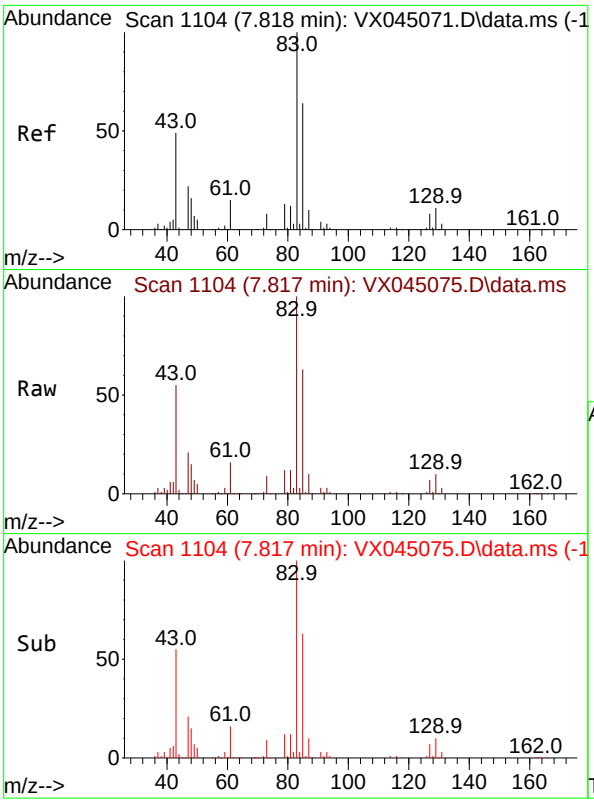


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2



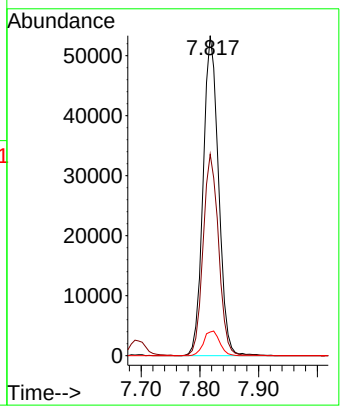


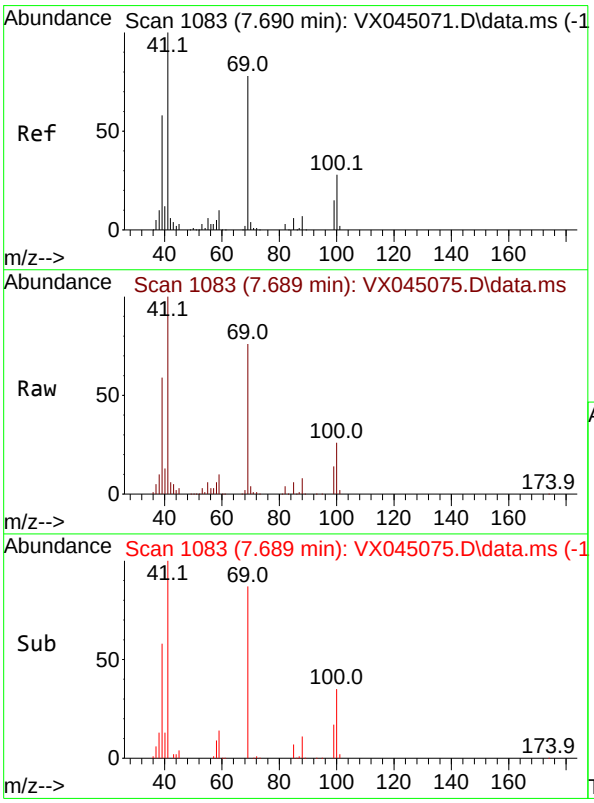
#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 97236

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6

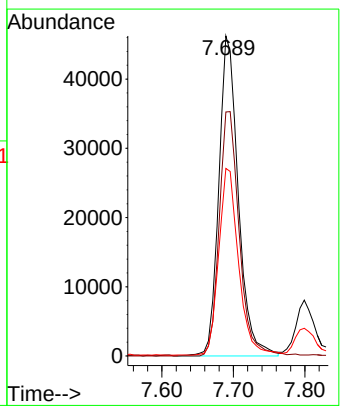


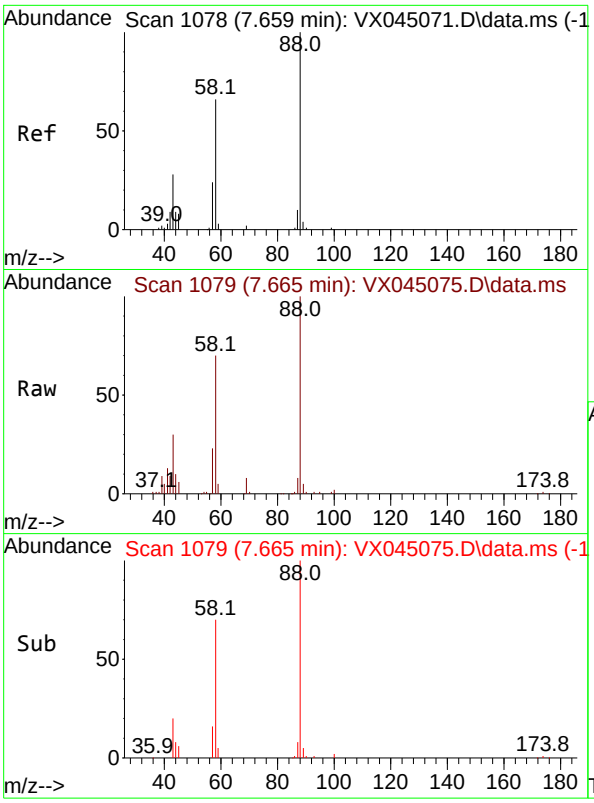


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3



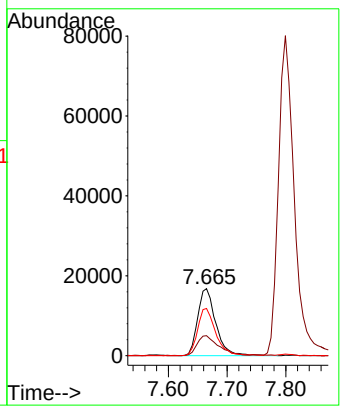


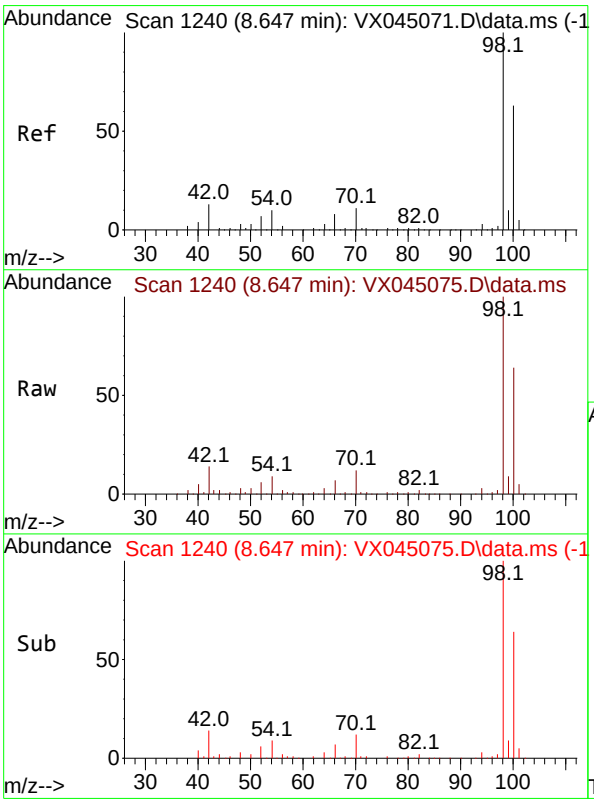
#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 88 Resp: 35878

Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

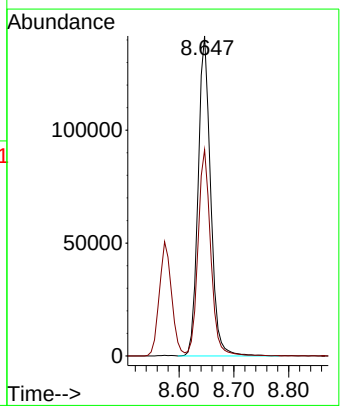


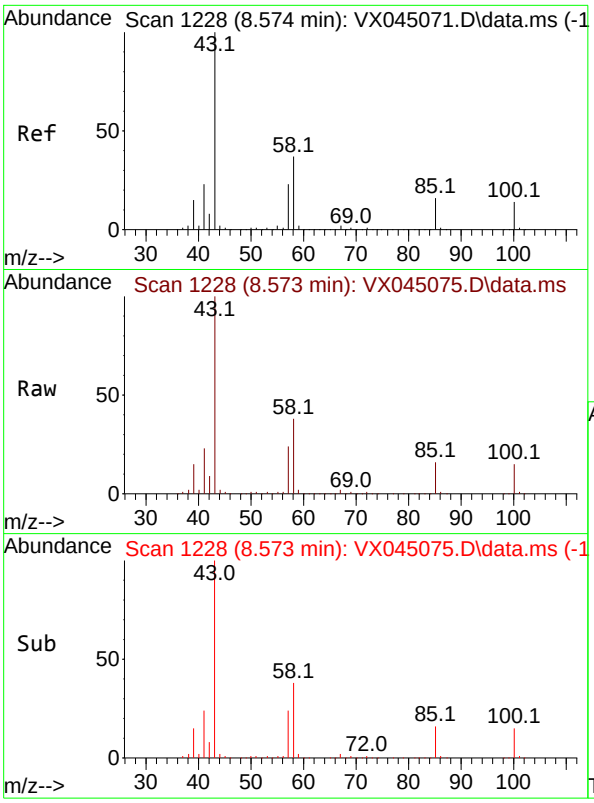


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



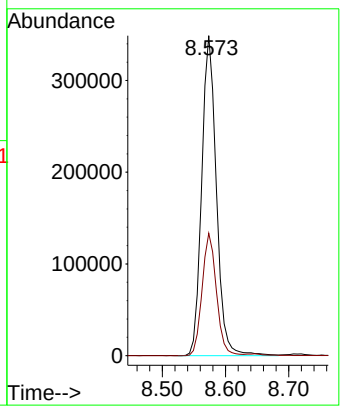


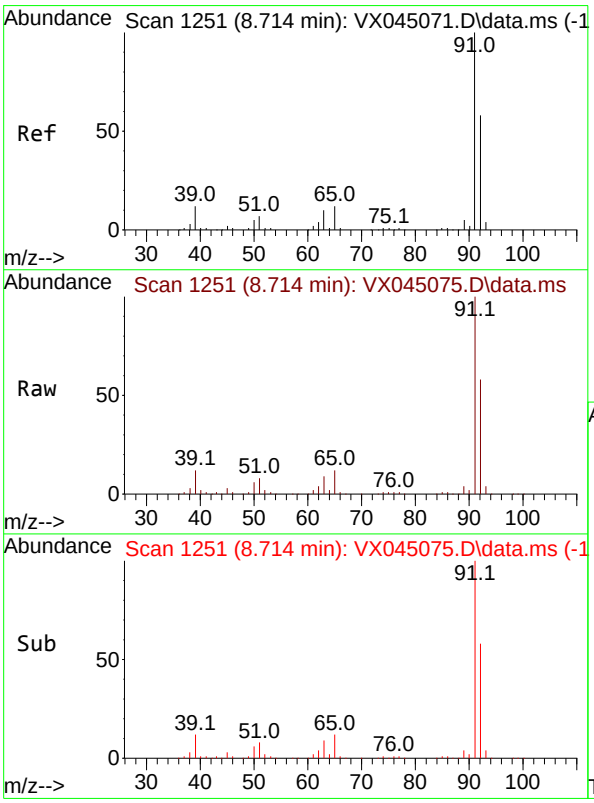
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 564197

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

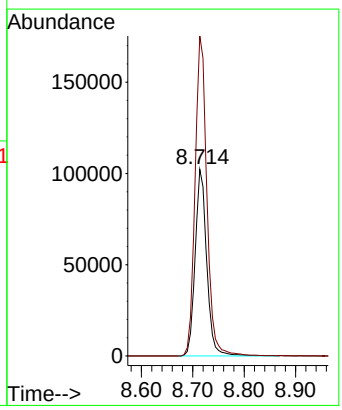


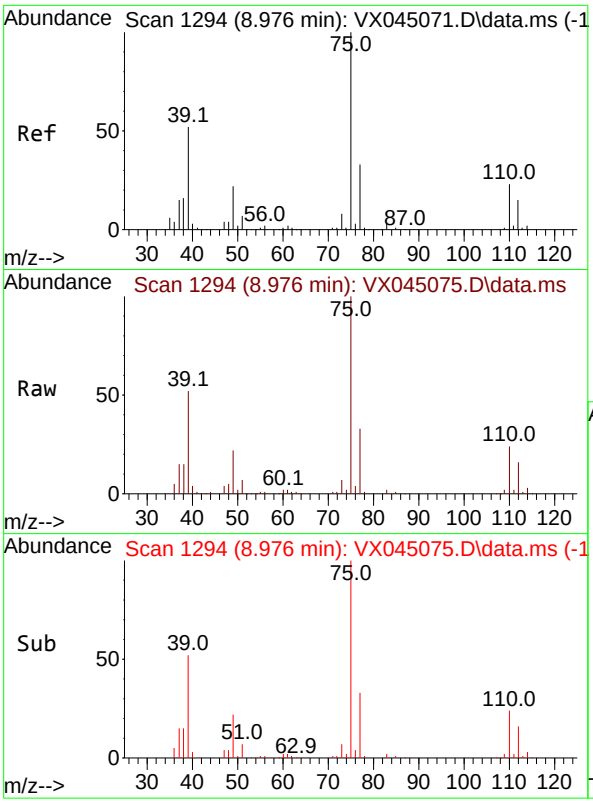


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3



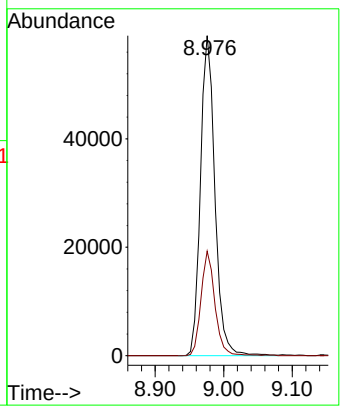


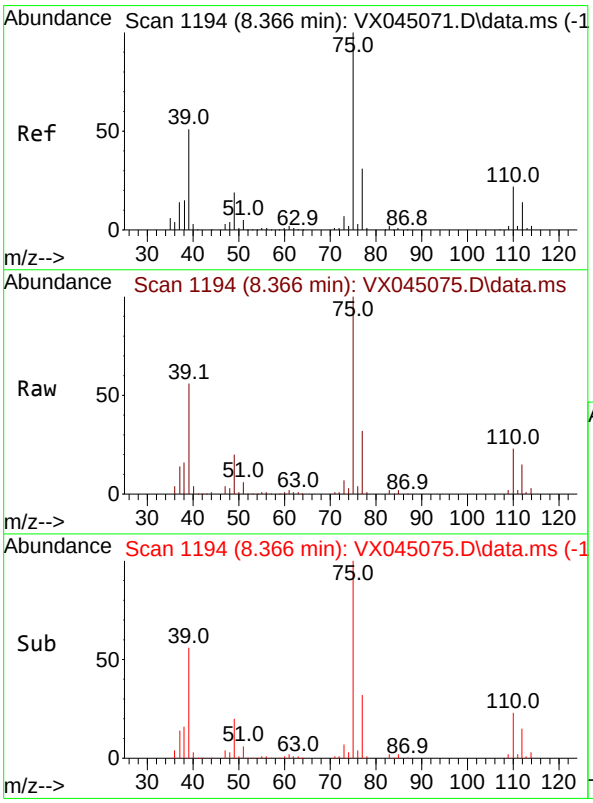
#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

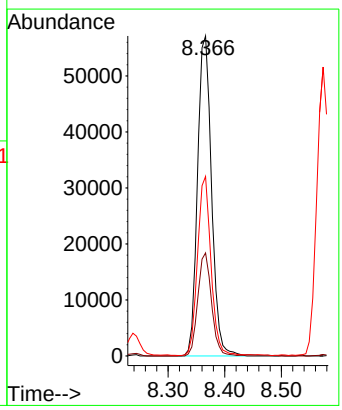


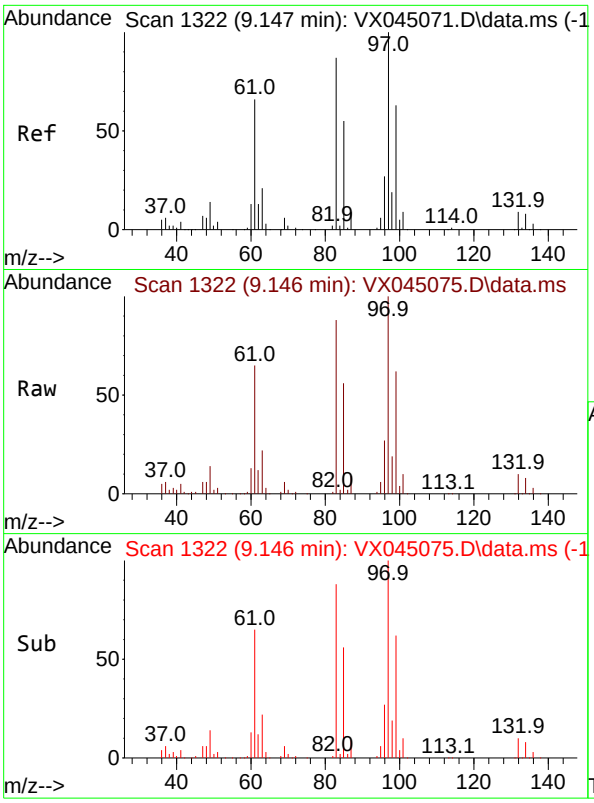


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1



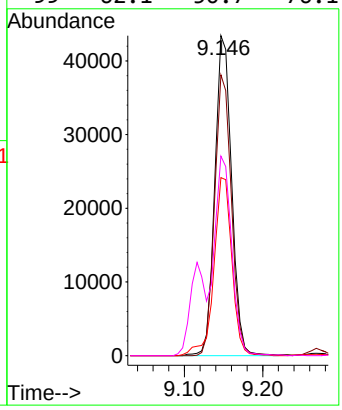


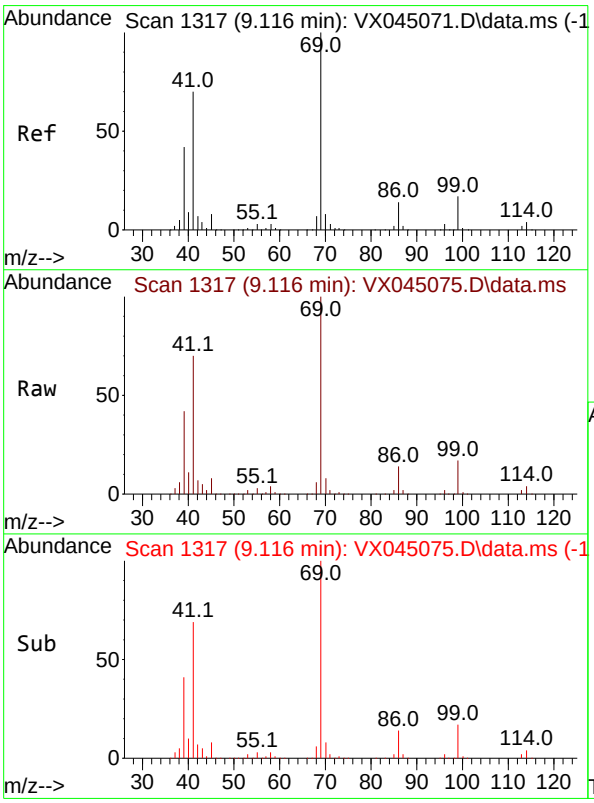
#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 97 Resp: 64985

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1

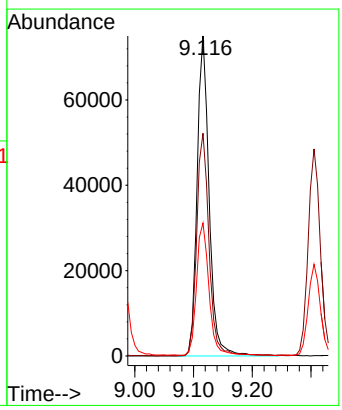


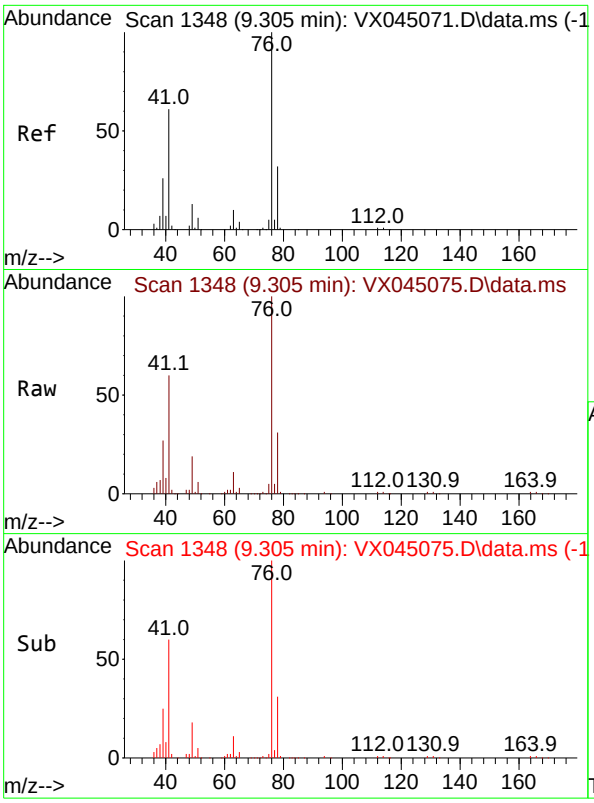


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4



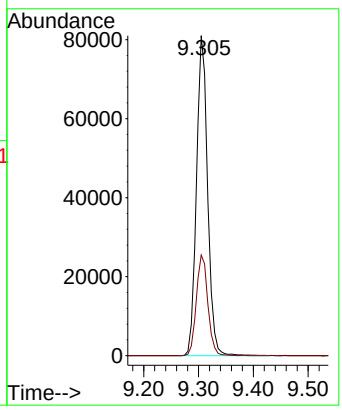


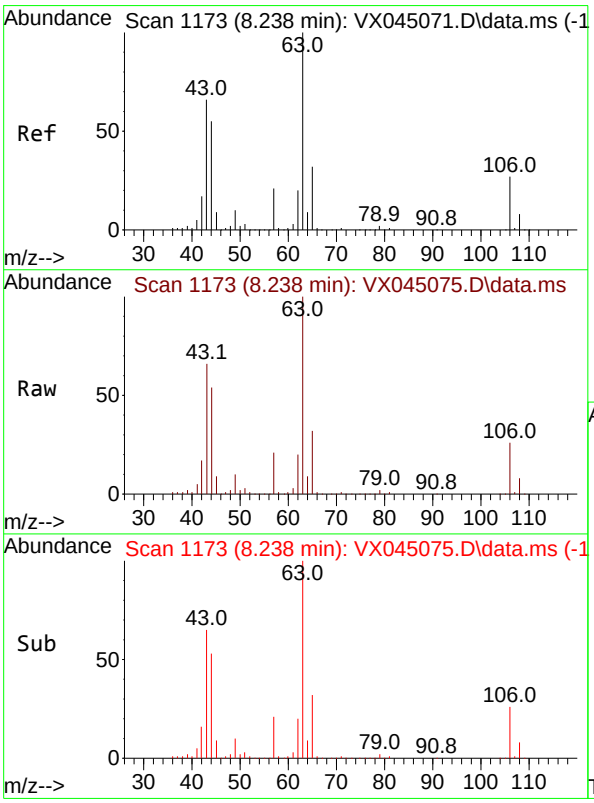
#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

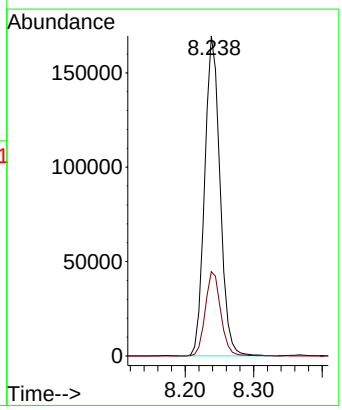


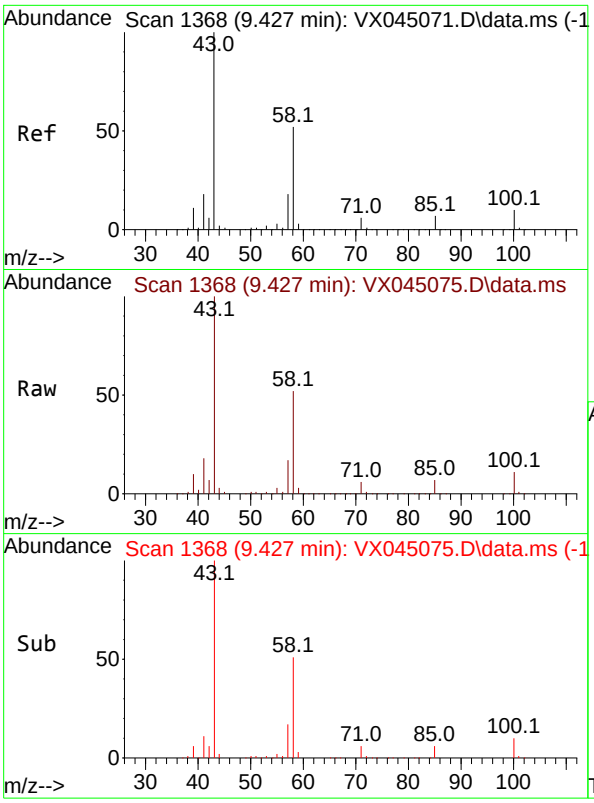


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



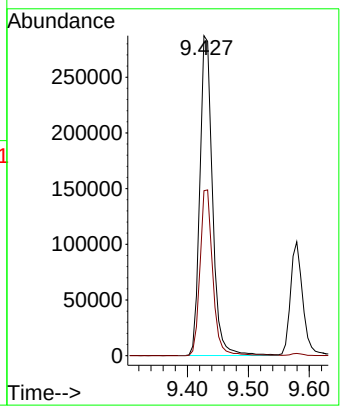


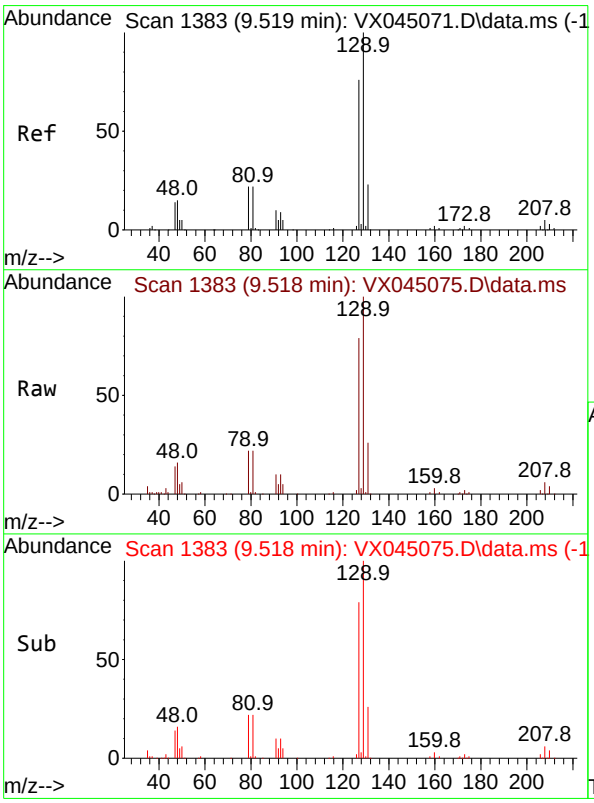
#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 416731

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

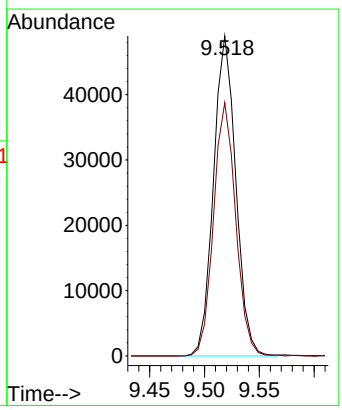


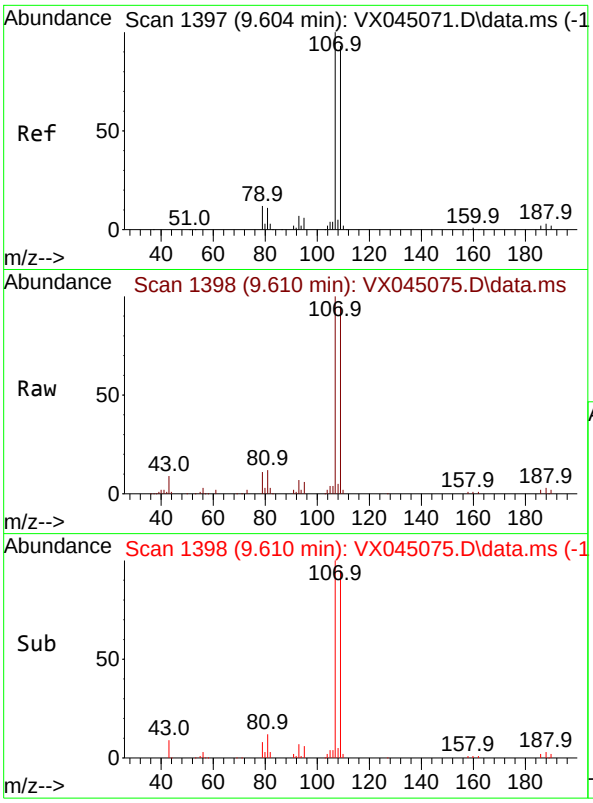


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



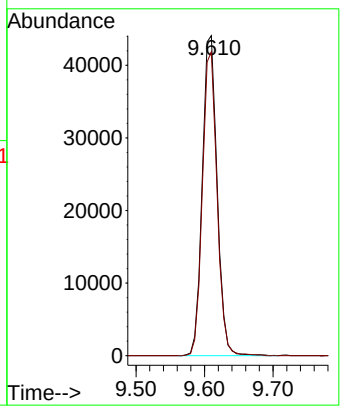


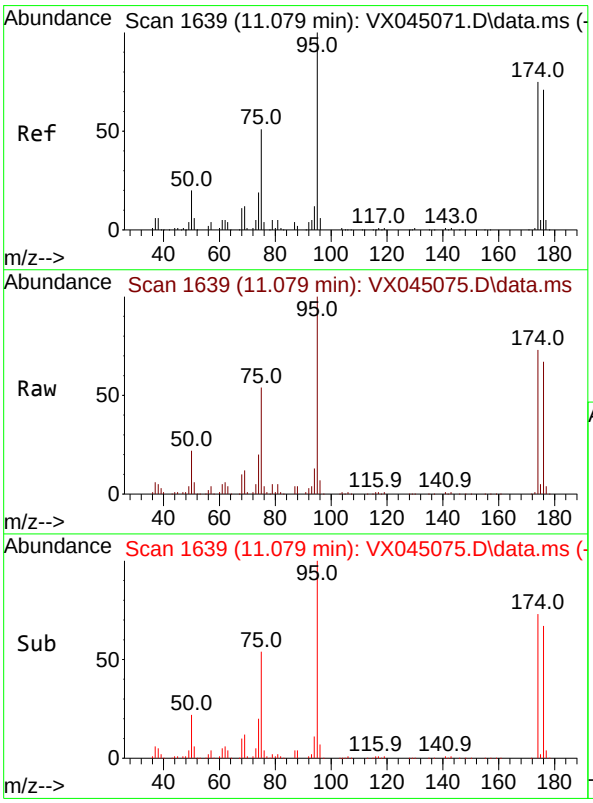
#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:107 Resp: 66501

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

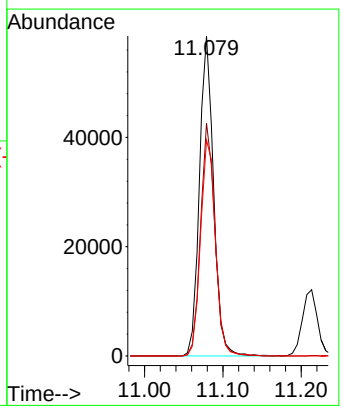


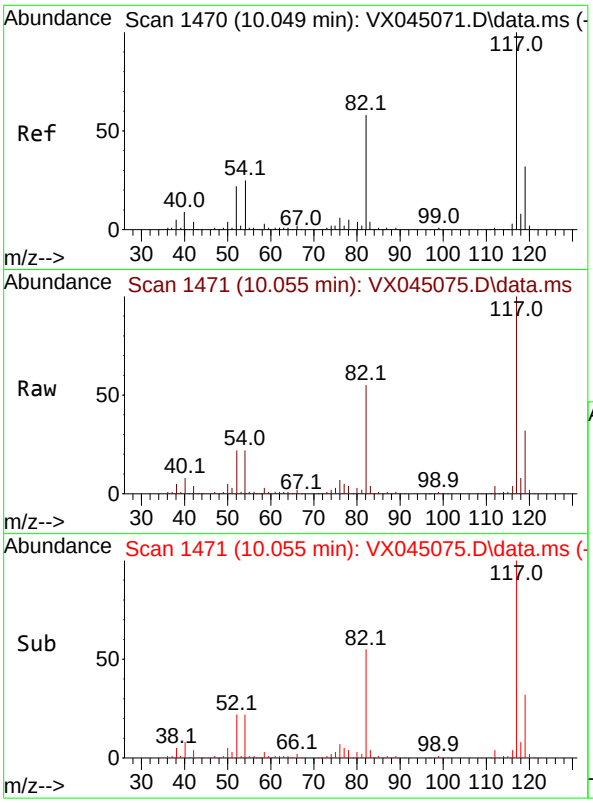


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4



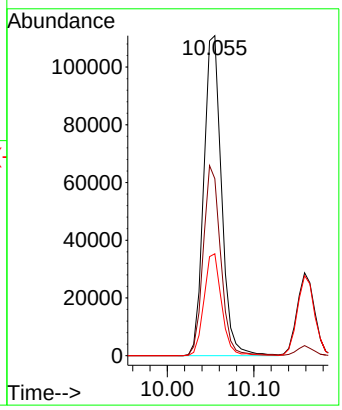


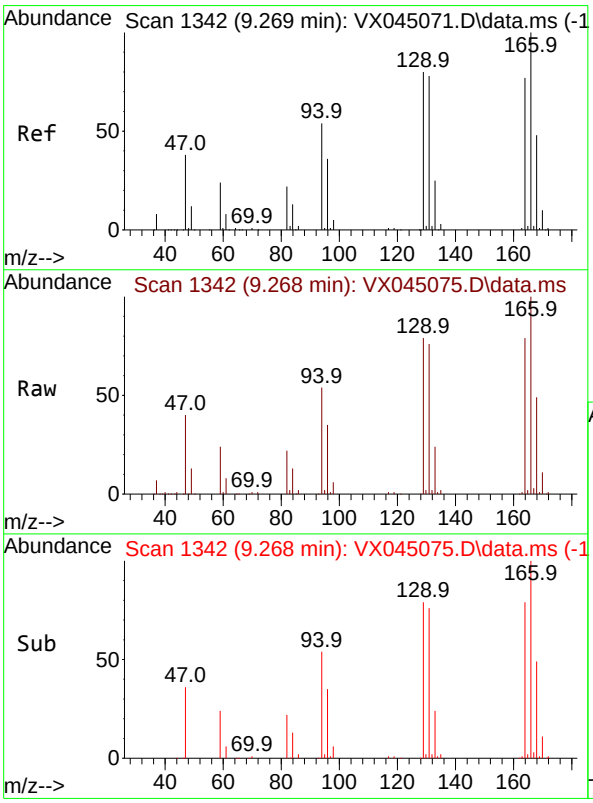
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:117 Resp: 157797

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5

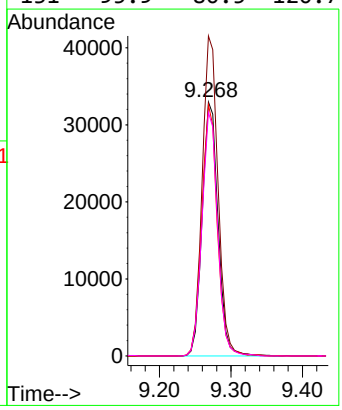


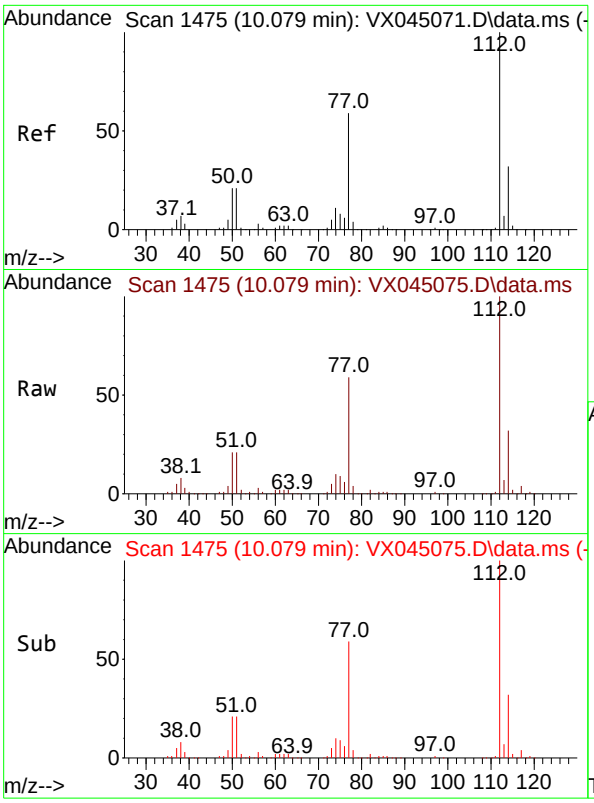


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7



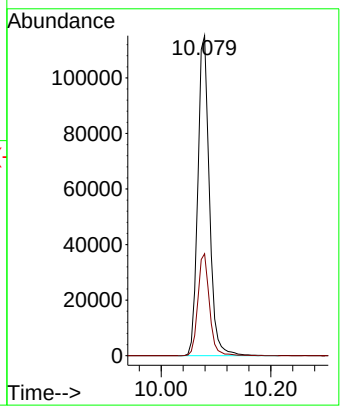


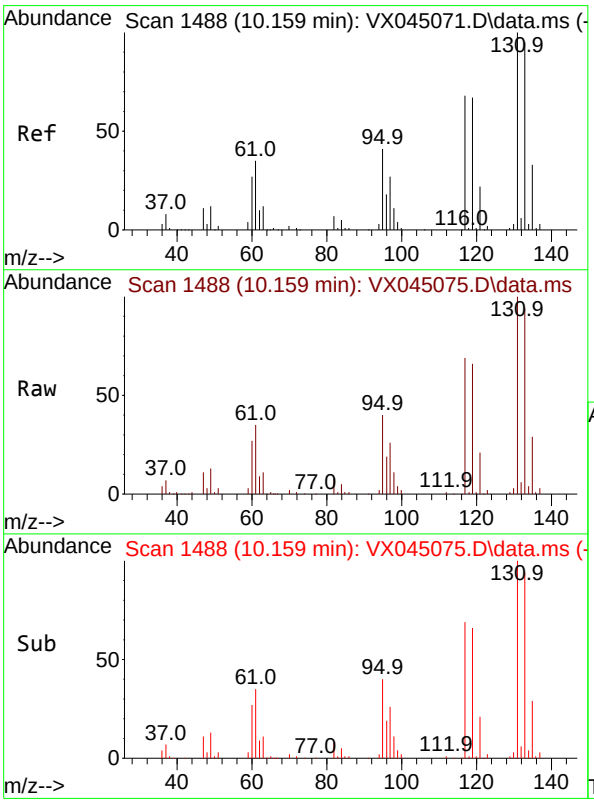
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:112 Resp: 168885

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

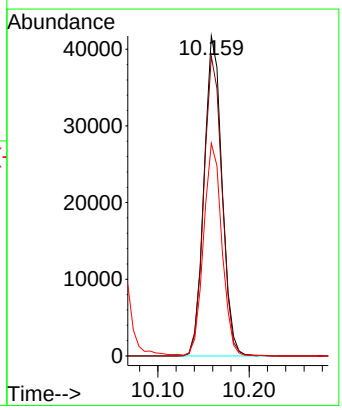


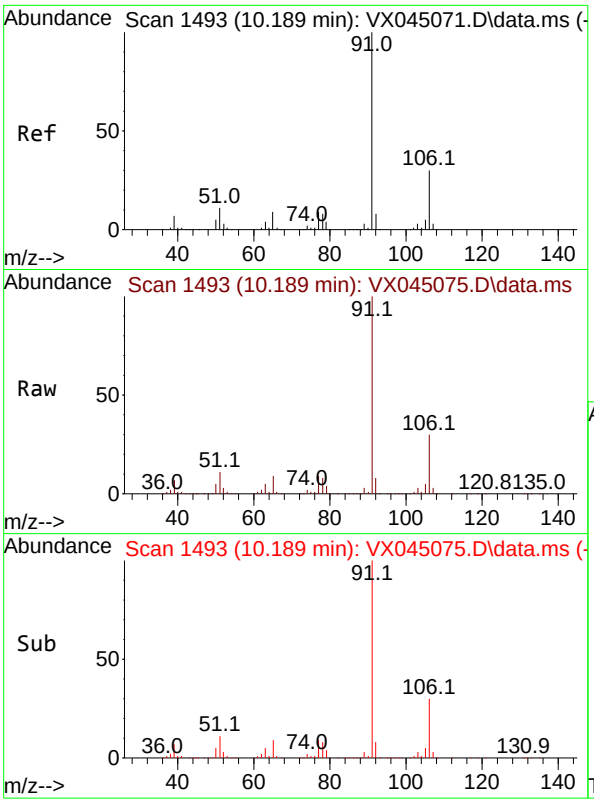


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7



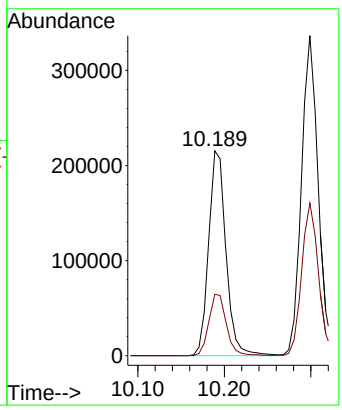


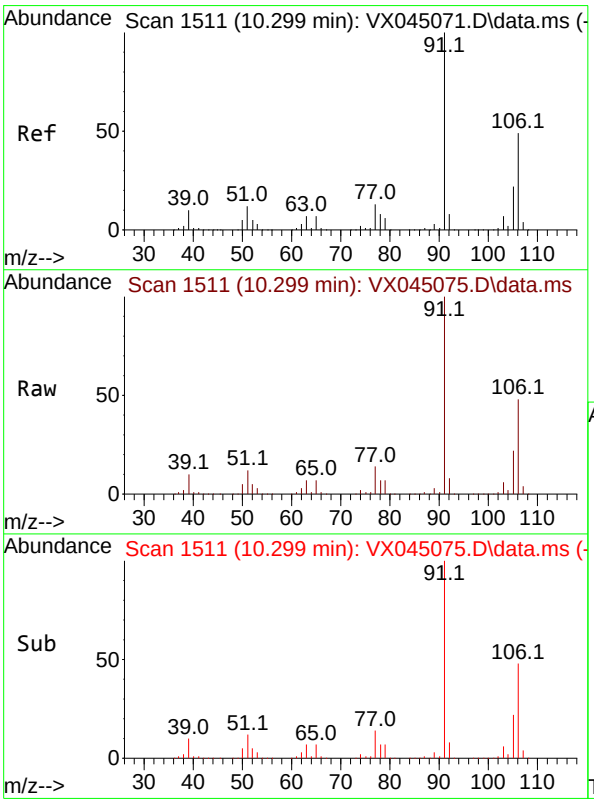
#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

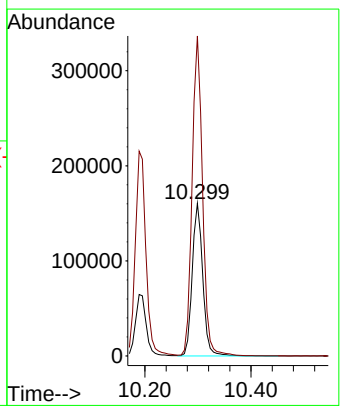


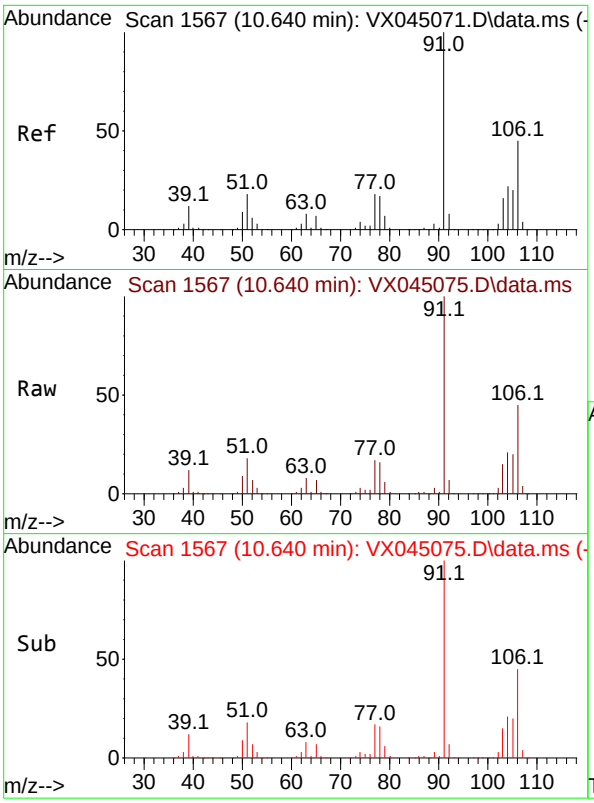


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0



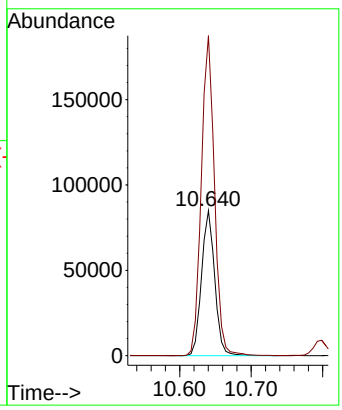


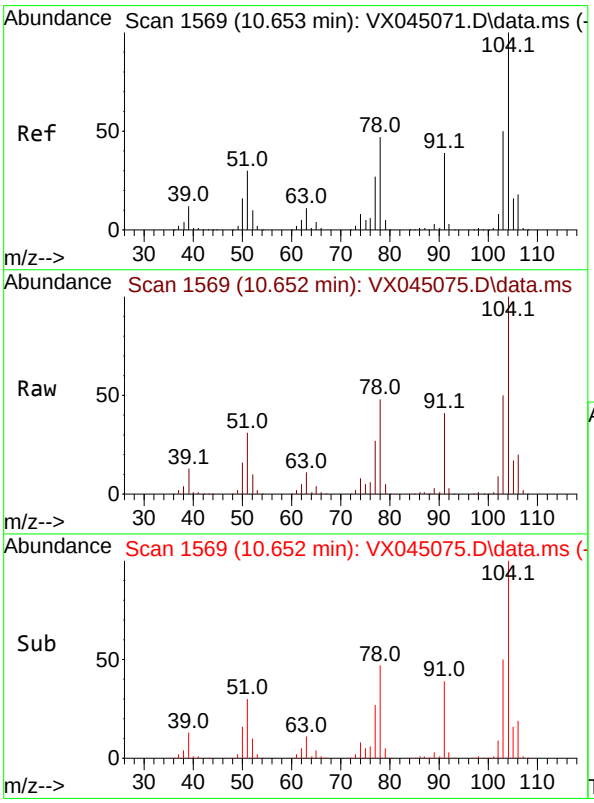
#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:106 Resp: 108836

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

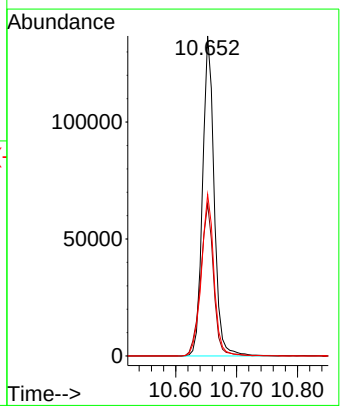


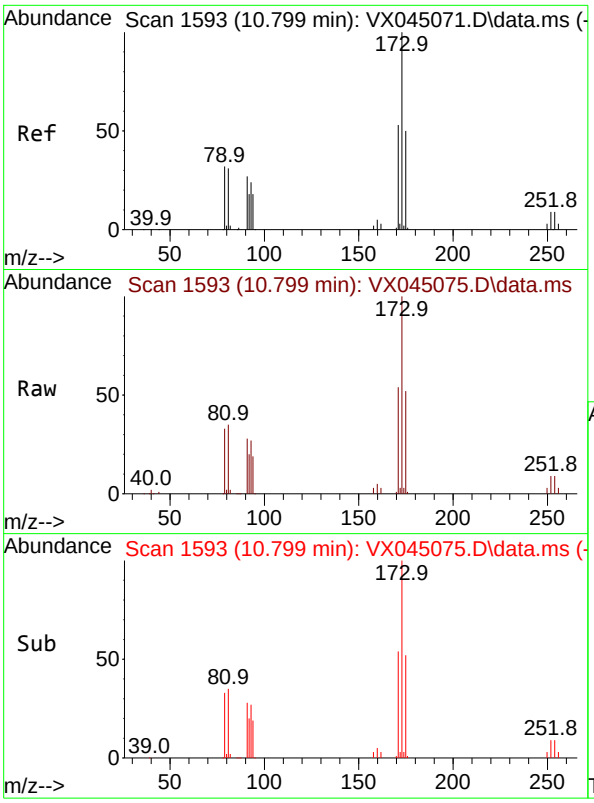


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8



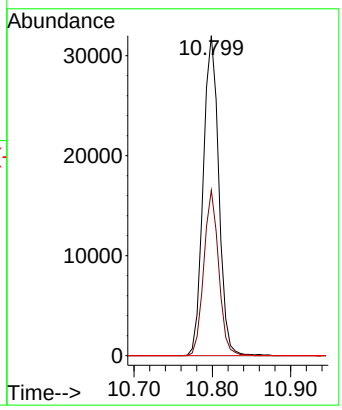


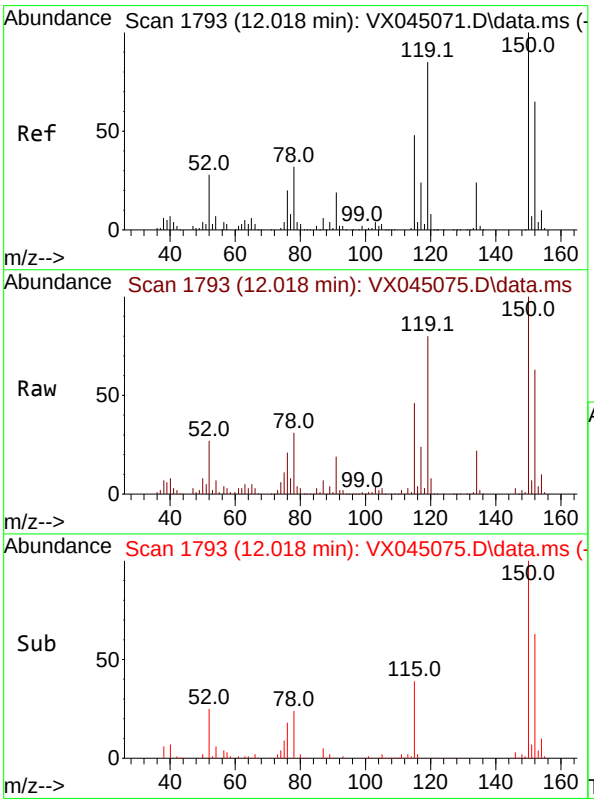
#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:173 Resp: 44135

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0

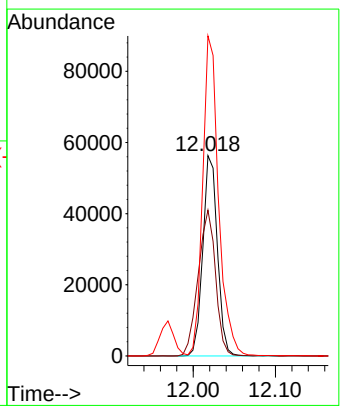


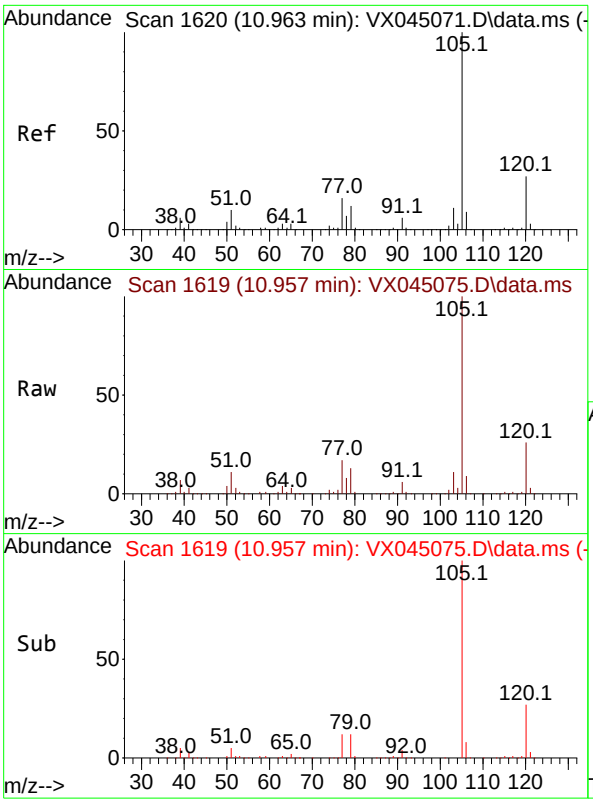


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0



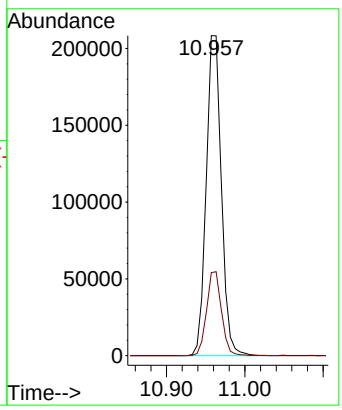


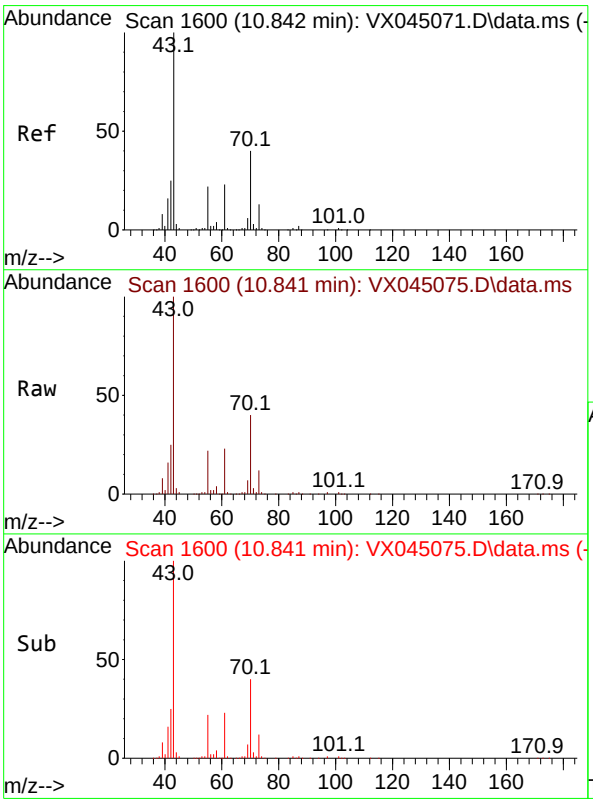
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

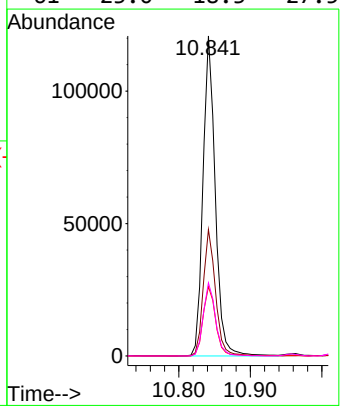


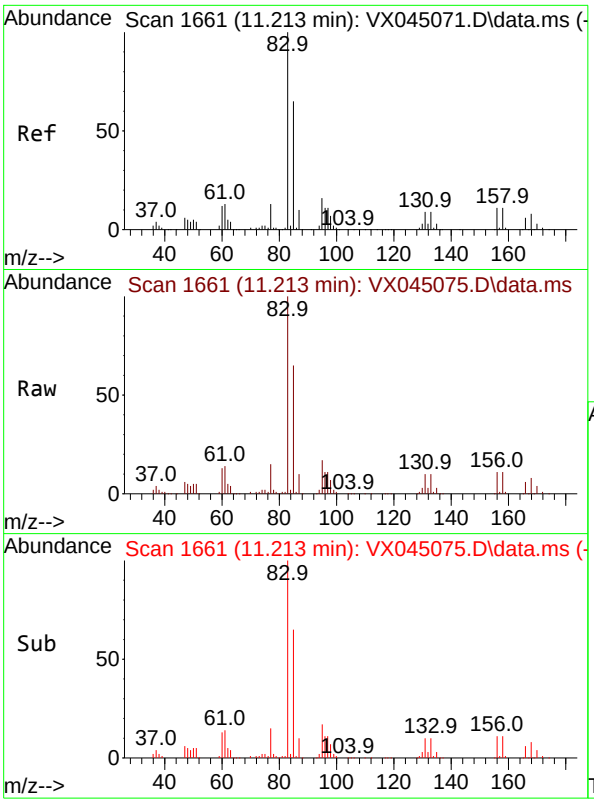


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



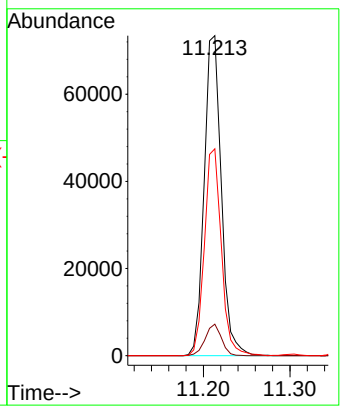


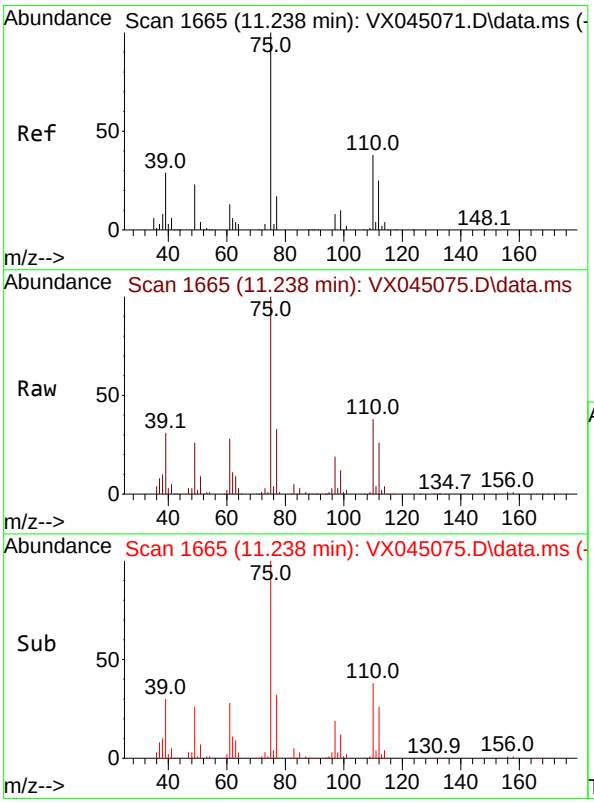
#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 100800

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1

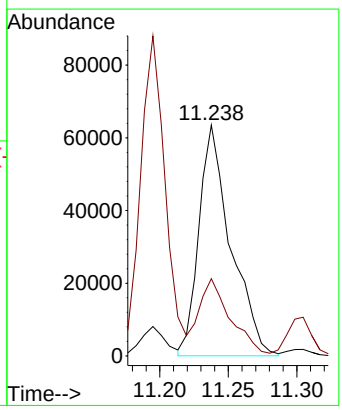


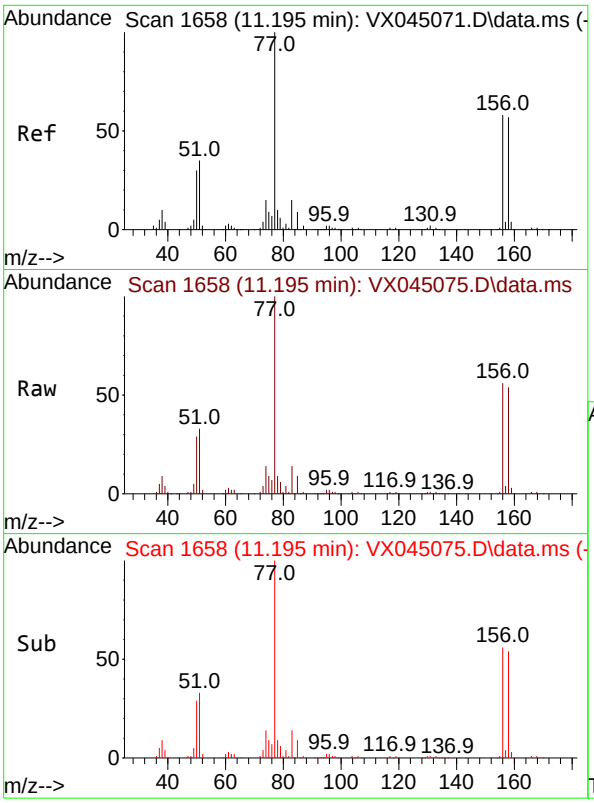


#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 102821

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



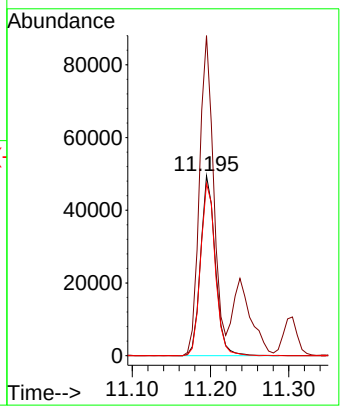


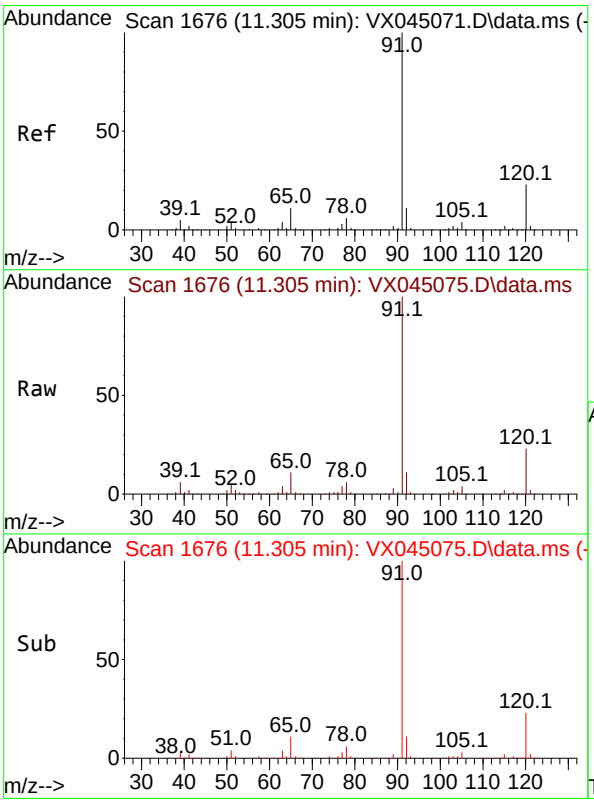
#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:156 Resp: 64324

Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2

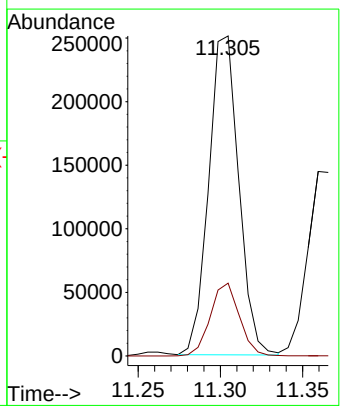


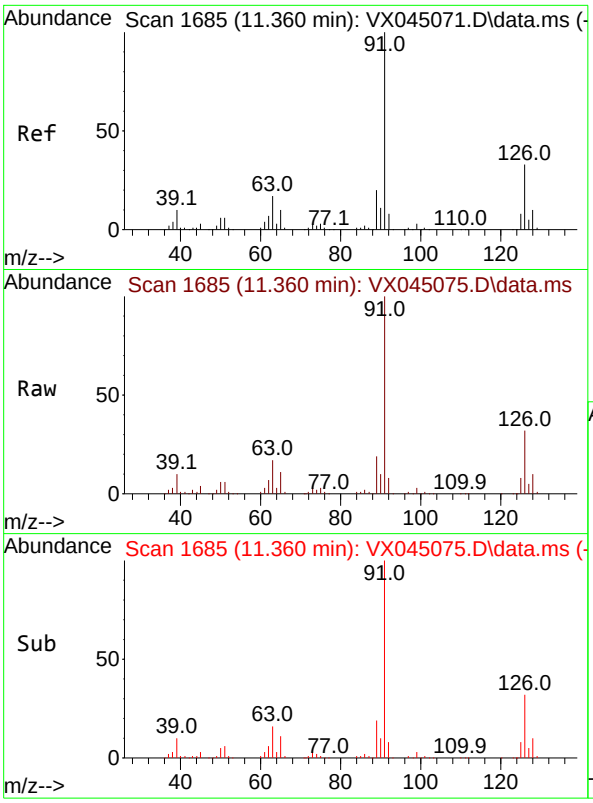


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



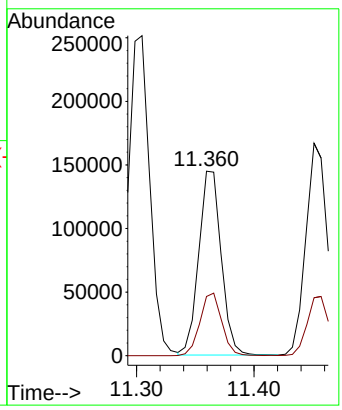


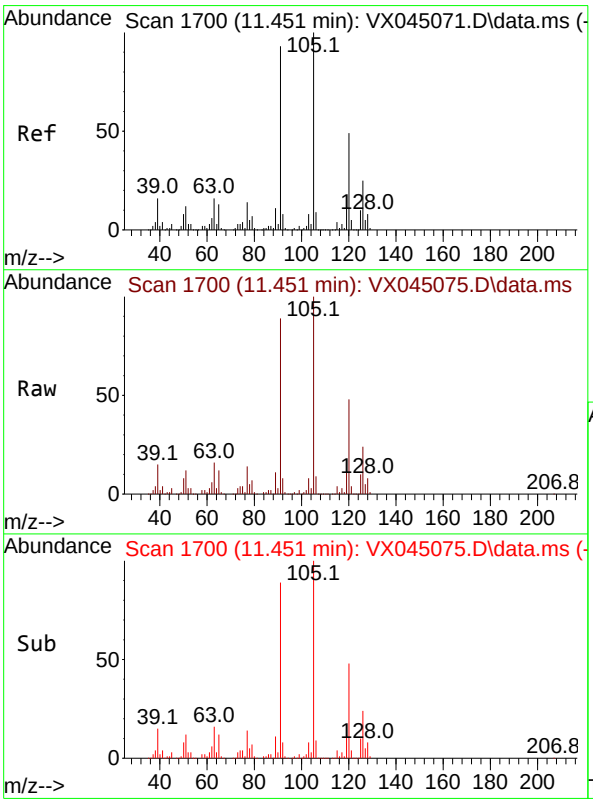
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

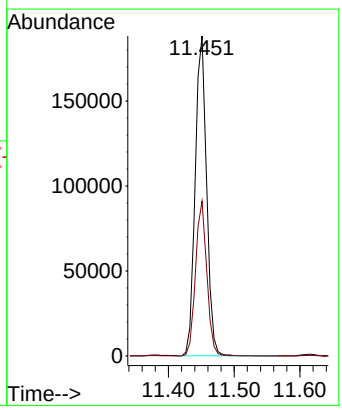


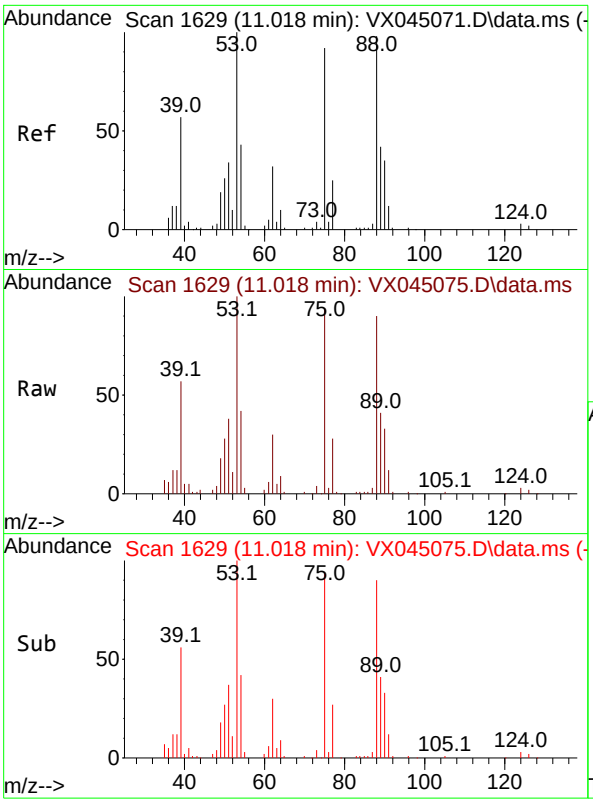


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



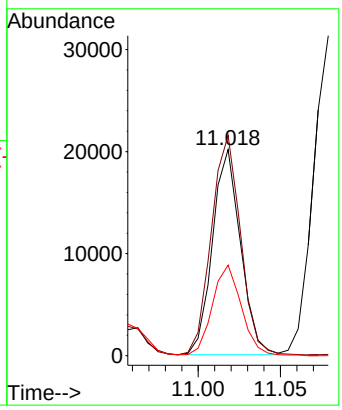


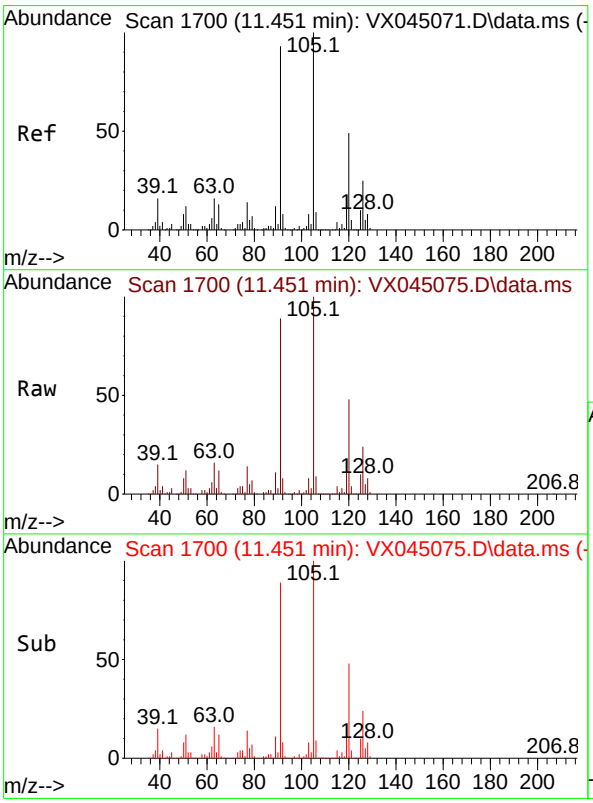
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 23943

Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

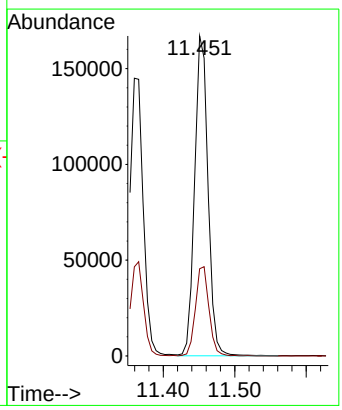


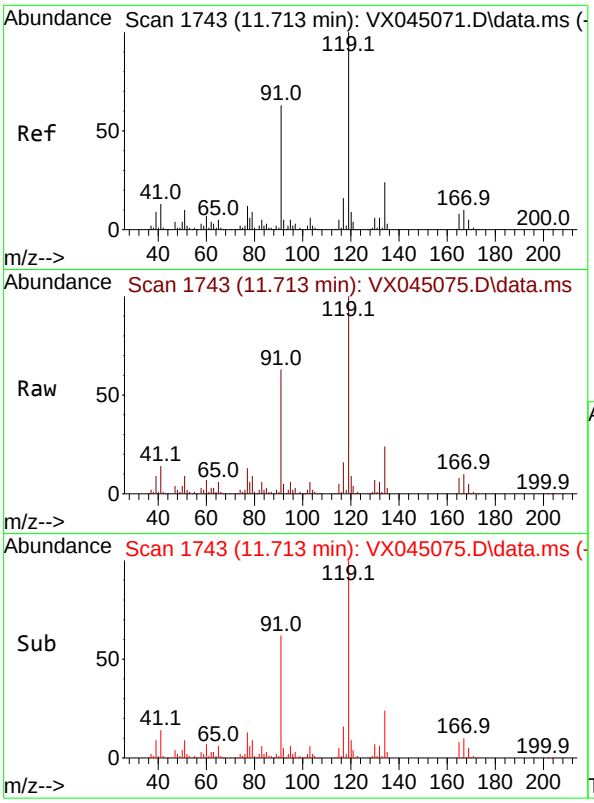


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



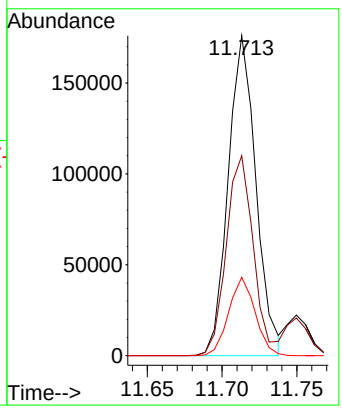


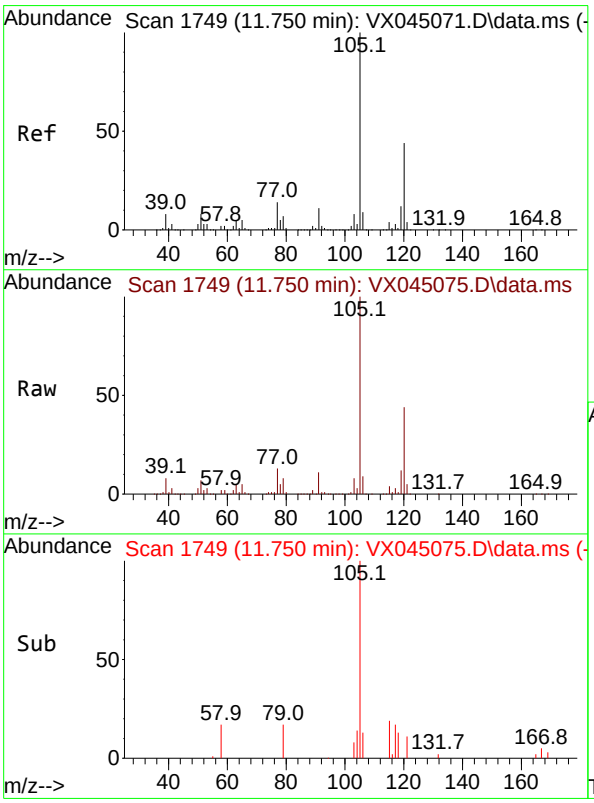
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:119 Resp: 227357

Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0

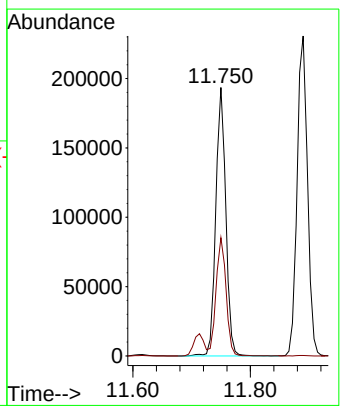


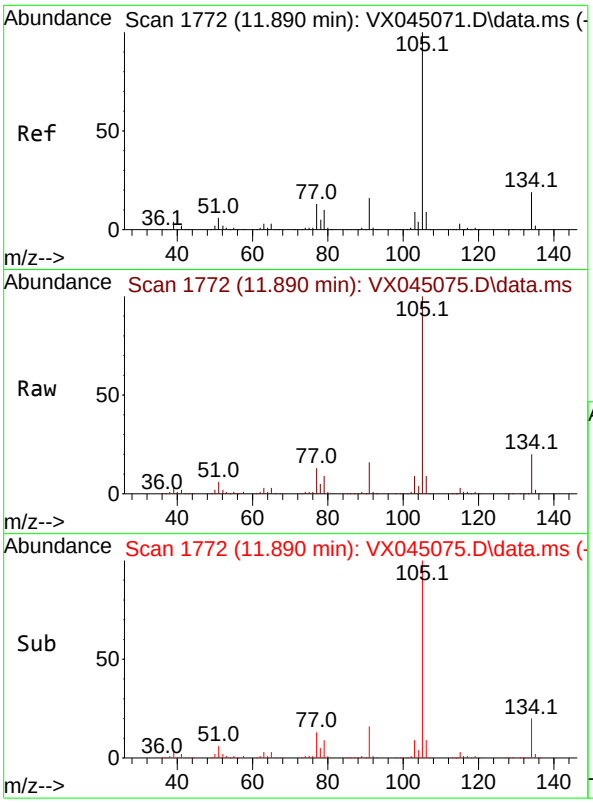


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



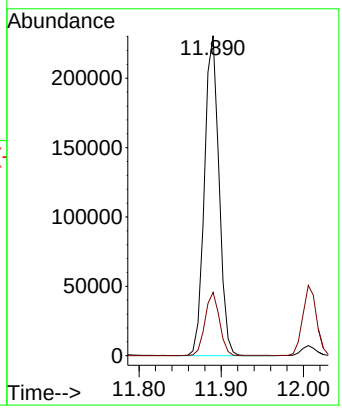


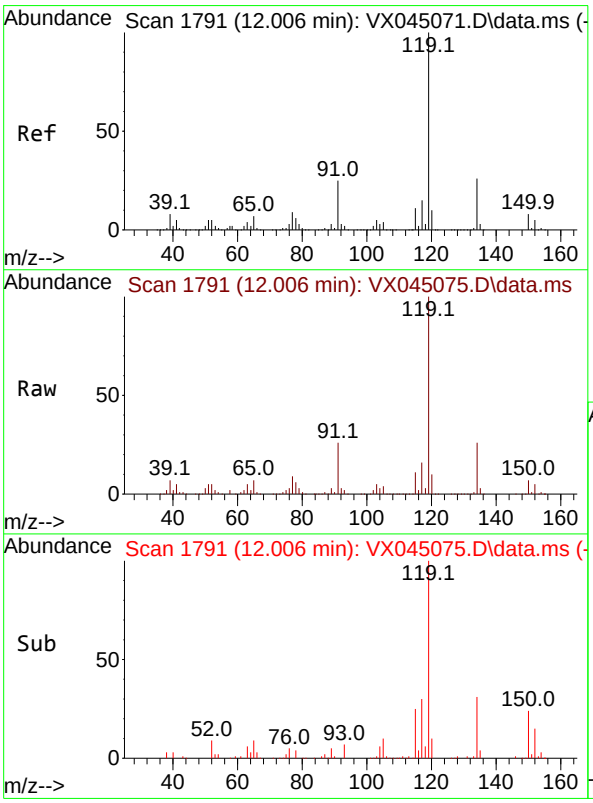
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 283931

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

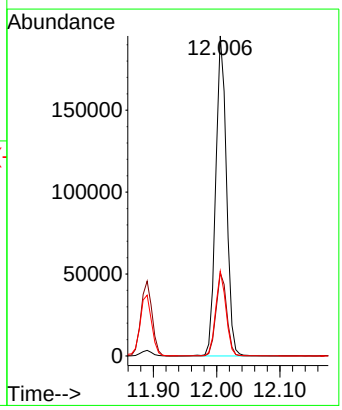


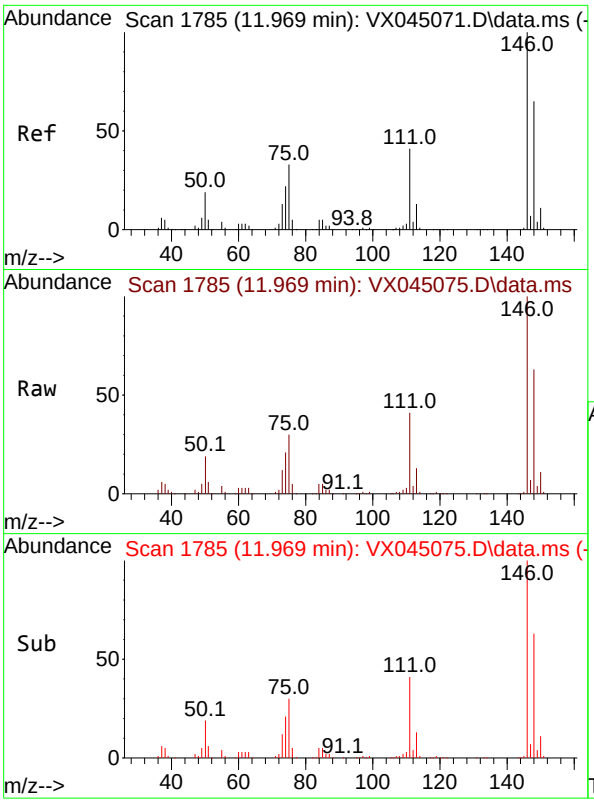


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0



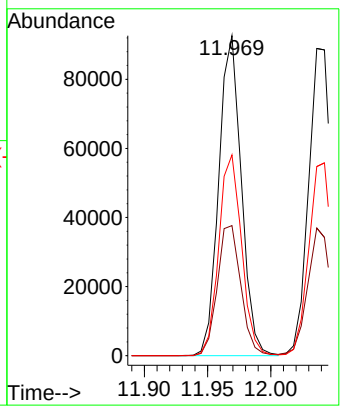


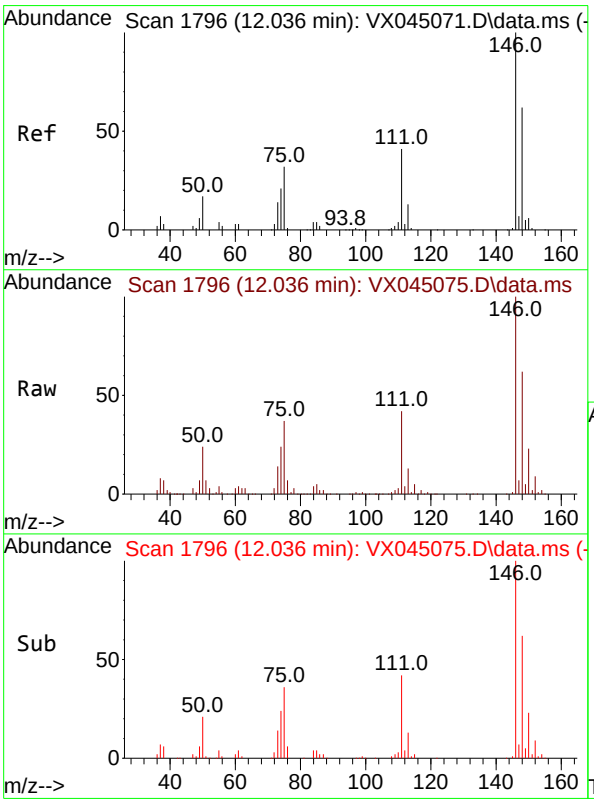
#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 114778

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7

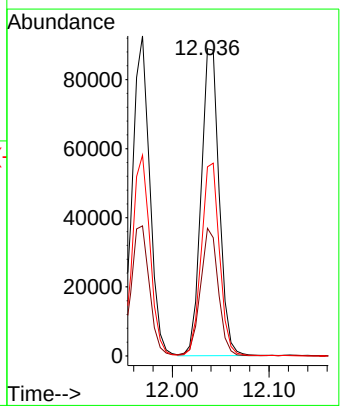


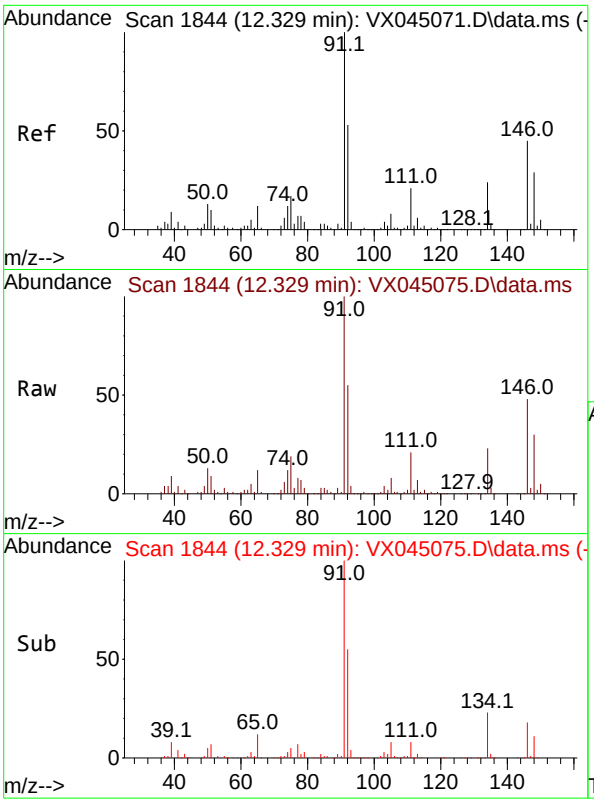


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9



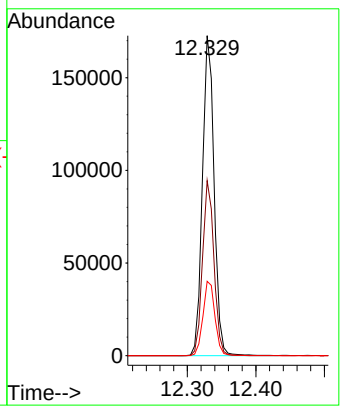


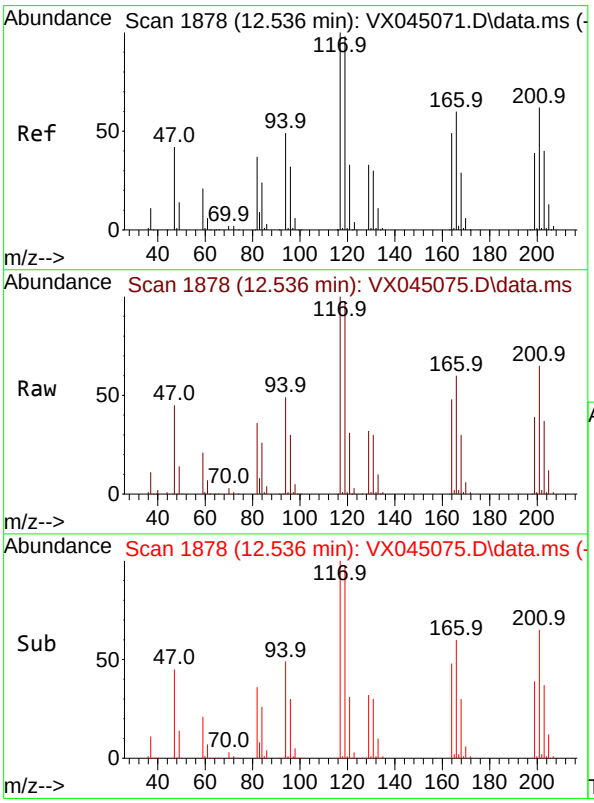
#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 204972

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6

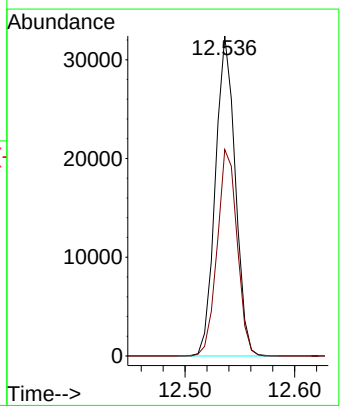


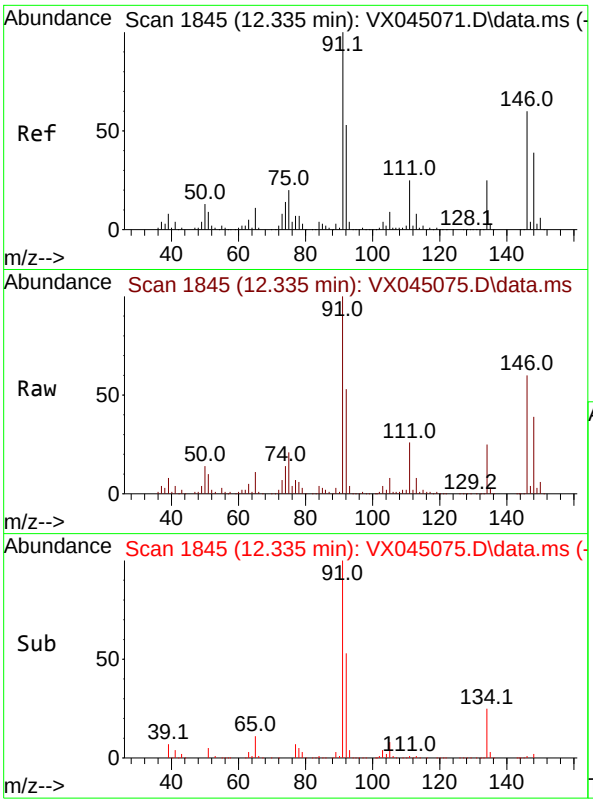


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9



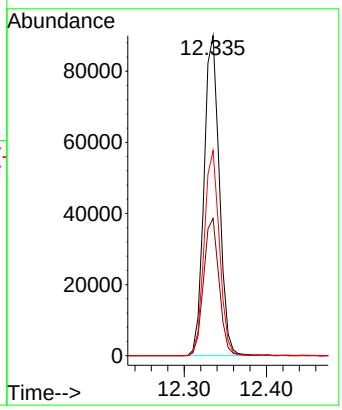


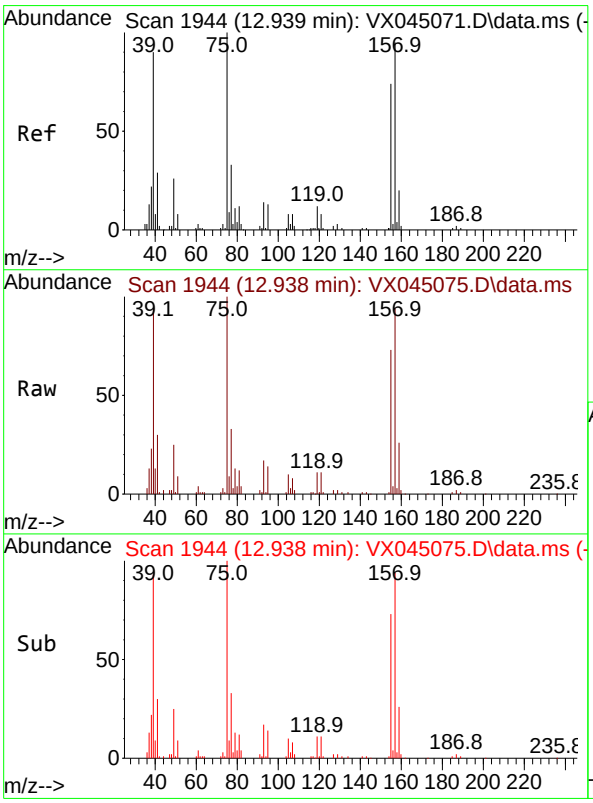
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 116343

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9

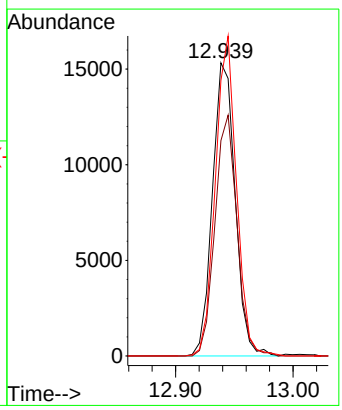


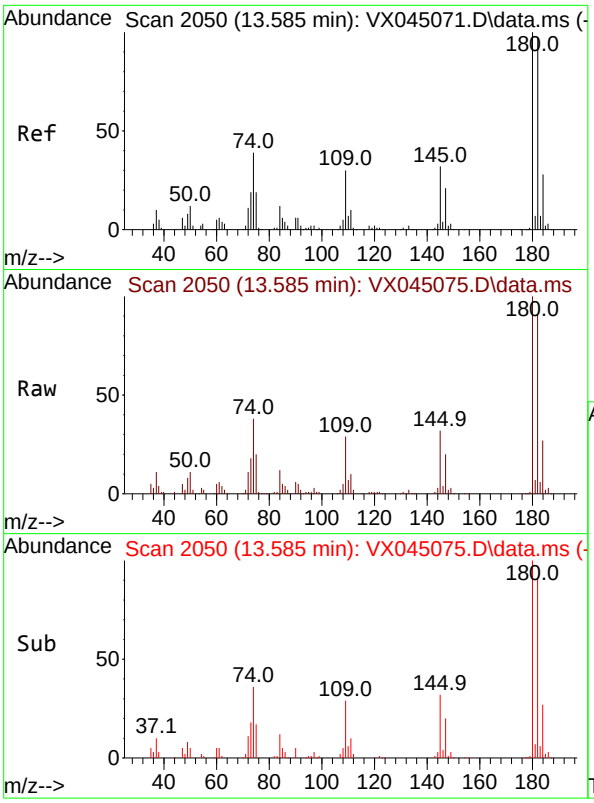


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4



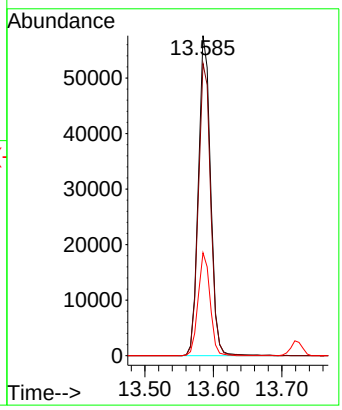


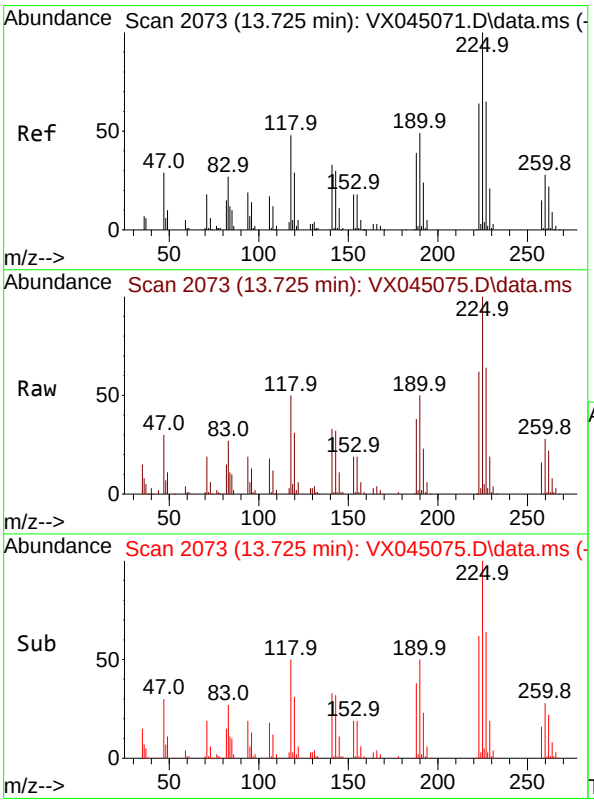
#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:180 Resp: 71368

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9

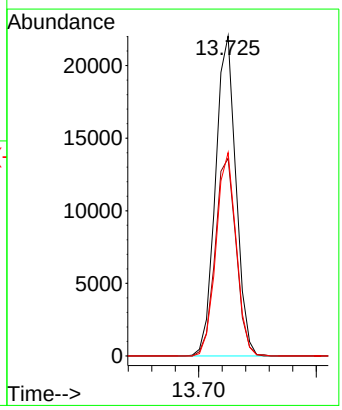


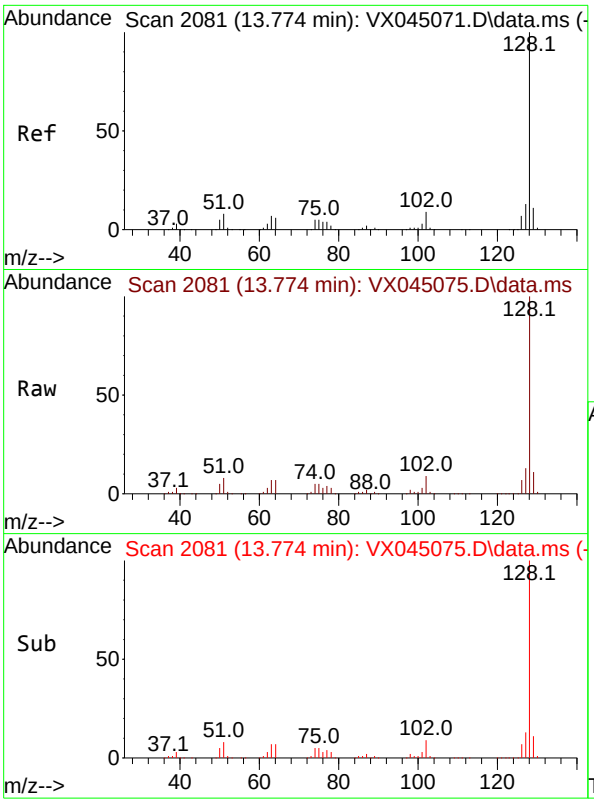


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0



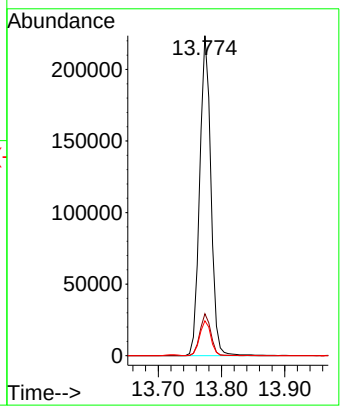


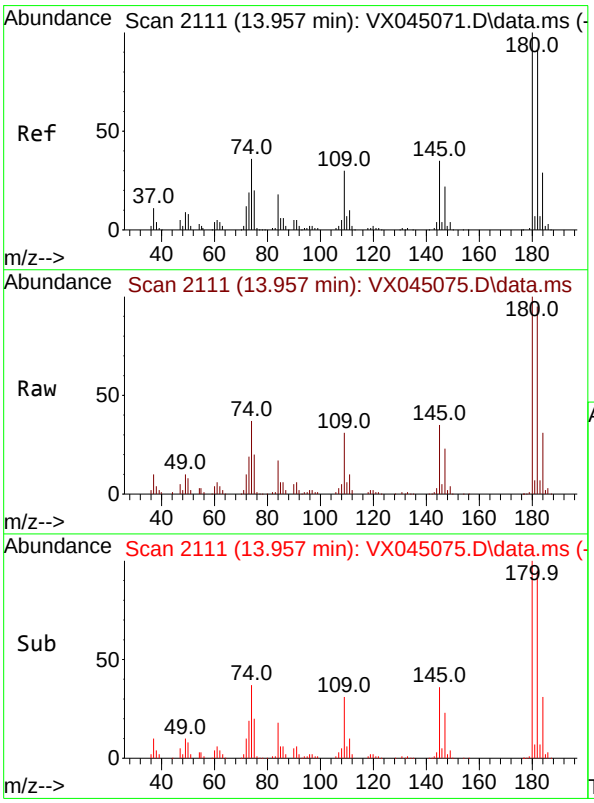
#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:128 Resp: 275844

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

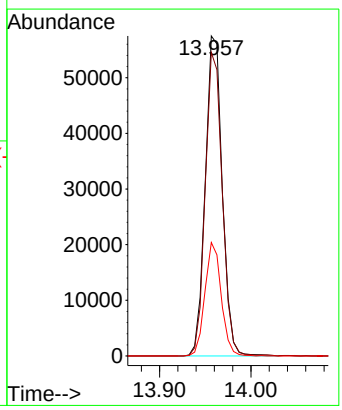




#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	160941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82508	55.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.240%			
35) Dibromofluoromethane	5.379	113	61401	57.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.120%			
50) Toluene-d8	8.647	98	211503	54.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.420%			
62) 4-Bromofluorobenzene	11.079	95	74611	57.711	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59746	50.442	ug/l	97
3) Chloromethane	1.307	50	64302	44.361	ug/l	96
4) Vinyl Chloride	1.374	62	61838	43.004	ug/l	95
5) Bromomethane	1.593	94	25902	45.822	ug/l	97
6) Chloroethane	1.660	64	29735	44.831	ug/l	100
7) Trichlorofluoromethane	1.868	101	92068	48.366	ug/l	99
8) Diethyl Ether	2.130	74	32644	43.843	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	61677	56.396	ug/l	99
10) Methyl Iodide	2.441	142	71548	52.350	ug/l	96
11) Tert butyl alcohol	2.983	59	66006	232.818	ug/l	99
12) 1,1-Dichloroethene	2.307	96	57166	49.441	ug/l	99
13) Acrolein	2.239	56	75371	229.981	ug/l	98
14) Allyl chloride	2.654	41	110322	53.602	ug/l	97
15) Acrylonitrile	3.062	53	200634	264.049	ug/l	99
16) Acetone	2.386	43	196313	282.690	ug/l	99
17) Carbon Disulfide	2.496	76	128203	41.629	ug/l	97
18) Methyl Acetate	2.703	43	110994	66.439	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	201610	51.972	ug/l	99
20) Methylene Chloride	2.782	84	68099	49.504	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	56672	49.612	ug/l	97
22) Diisopropyl ether	3.757	45	218443	52.186	ug/l	93
23) Vinyl Acetate	3.715	43	911566	260.960	ug/l	98
24) 1,1-Dichloroethane	3.599	63	119458	50.922	ug/l	99
25) 2-Butanone	4.556	43	286555	274.133	ug/l	96
26) 2,2-Dichloropropane	4.465	77	86451	78.567	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	71053	50.388	ug/l	92
28) Bromochloromethane	4.891	49	56750	50.753	ug/l	99
29) Tetrahydrofuran	5.001	42	176238	251.058	ug/l	99
30) Chloroform	5.087	83	120782	51.818	ug/l	100
31) Cyclohexane	5.452	56	99254	48.741	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	100201	53.226	ug/l	98
36) 1,1-Dichloropropene	5.678	75	77237	52.334	ug/l	99
37) Ethyl Acetate	4.715	43	102186	53.733	ug/l	99
38) Carbon Tetrachloride	5.666	117	84612	56.470	ug/l	98
39) Methylcyclohexane	7.373	83	97687	55.240	ug/l	96
40) Benzene	6.025	78	242215	51.973	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59716	58.072	ug/l		99
42) 1,2-Dichloroethane	6.080	62	96672	57.604	ug/l		97
43) Isopropyl Acetate	6.336	43	160232	56.979	ug/l		99
44) Trichloroethene	7.117	130	56744	51.854	ug/l		100
45) 1,2-Dichloropropane	7.421	63	64615	53.925	ug/l		98
46) Dibromomethane	7.574	93	47119	55.635	ug/l		97
47) Bromodichloromethane	7.818	83	94372	56.808	ug/l		99
48) Methyl methacrylate	7.690	41	80819	57.285	ug/l		96
49) 1,4-Dioxane	7.665	88	29379	987.206	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	540720	286.370	ug/l		99
52) Toluene	8.714	92	146417	53.547	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	84772	61.040	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	96208	59.407	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	60462	53.712	ug/l		97
56) Ethyl methacrylate	9.116	69	96357	56.313	ug/l		95
57) 1,3-Dichloropropane	9.305	76	106148	54.489	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	258027	309.131	ug/l		98
59) 2-Hexanone	9.427	43	395325	288.965	ug/l		99
60) Dibromochloromethane	9.519	129	67728	57.543	ug/l		98
61) 1,2-Dibromoethane	9.604	107	60702	54.017	ug/l		100
64) Tetrachloroethene	9.269	164	48599	54.416	ug/l		98
65) Chlorobenzene	10.073	112	159759	54.144	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54037	54.992	ug/l		99
67) Ethyl Benzene	10.189	91	286365	55.699	ug/l		100
68) m/p-Xylenes	10.299	106	211033	112.126	ug/l		97
69) o-Xylene	10.640	106	102643	54.073	ug/l		97
70) Styrene	10.653	104	173421	56.462	ug/l		98
71) Bromoform	10.799	173	43429	58.610	ug/l	#	99
73) Isopropylbenzene	10.957	105	272973	54.526	ug/l		99
74) N-amyl acetate	10.842	43	131333	55.907	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93995	51.164	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	101085	67.712	ug/l		85
77) Bromobenzene	11.195	156	60575	51.283	ug/l		95
78) n-propylbenzene	11.305	91	320714	56.710	ug/l		99
79) 2-Chlorotoluene	11.360	91	192413	53.424	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	222755	55.029	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	25918	59.413	ug/l		92
82) 4-Chlorotoluene	11.451	91	215413	54.878	ug/l		99
83) tert-Butylbenzene	11.713	119	224427	53.959	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	224842	55.202	ug/l		98
85) sec-Butylbenzene	11.890	105	285577	57.320	ug/l		99
86) p-Isopropyltoluene	12.006	119	232345	57.707	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	112042	53.171	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	110569	51.865	ug/l		98
89) n-Butylbenzene	12.329	91	211674	61.041	ug/l		100
90) Hexachloroethane	12.536	117	41788	57.380	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	112628	53.282	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	57.585	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	68746	57.116	ug/l		99
94) Hexachlorobutadiene	13.725	225	29525	59.832	ug/l		98
95) Naphthalene	13.774	128	256043	55.368	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71037	55.945	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

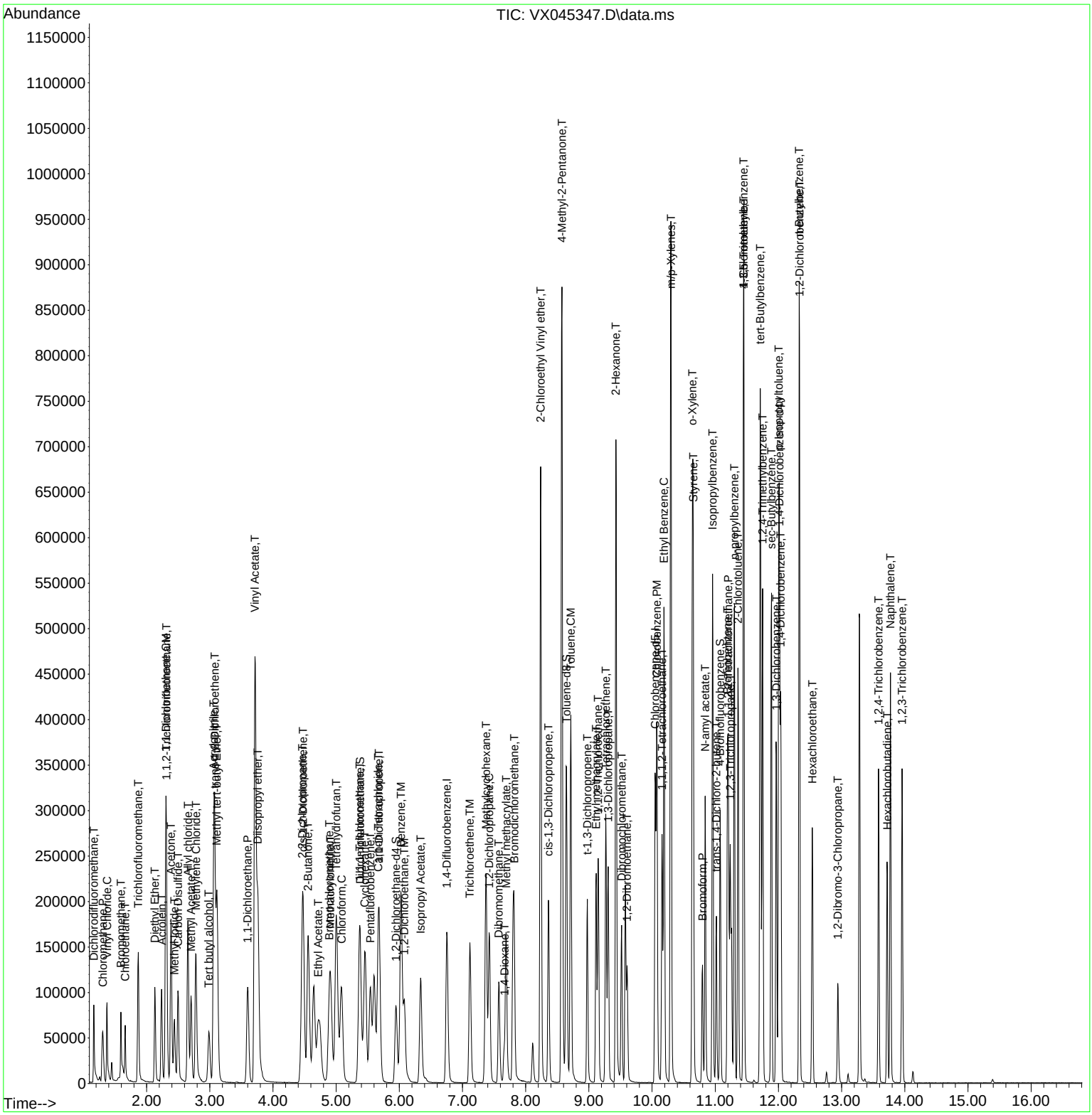
(#) = qualifier out of range (m) = manual integration (+) = signals summed

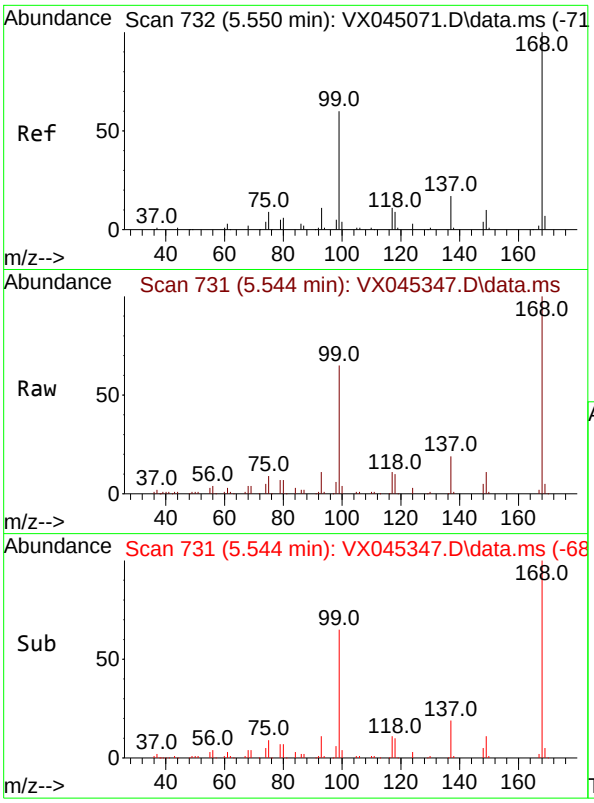
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045347.D
Acq On : 20 Mar 2025 09:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 01:40:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



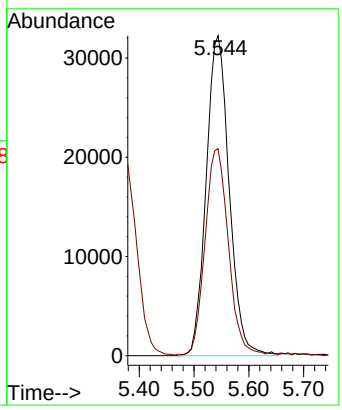


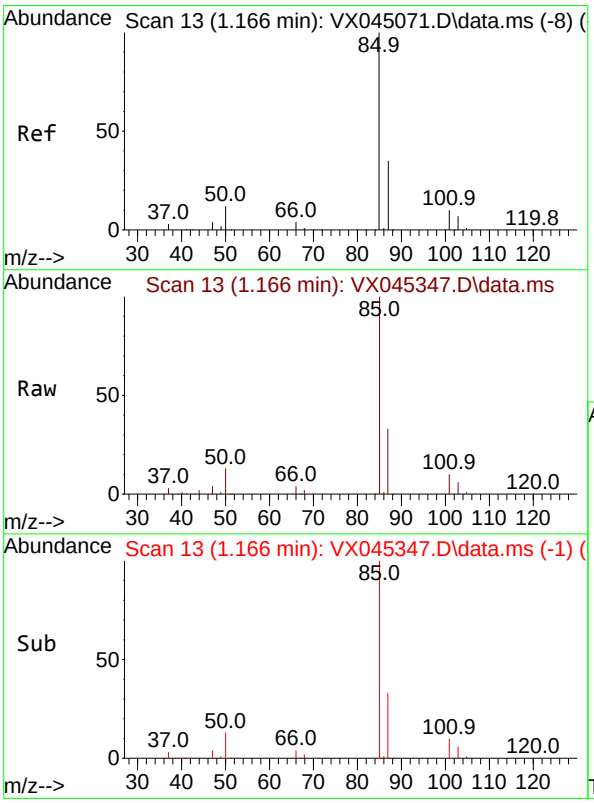
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 94097

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.2	72.4

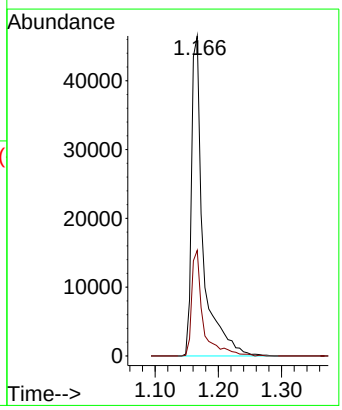


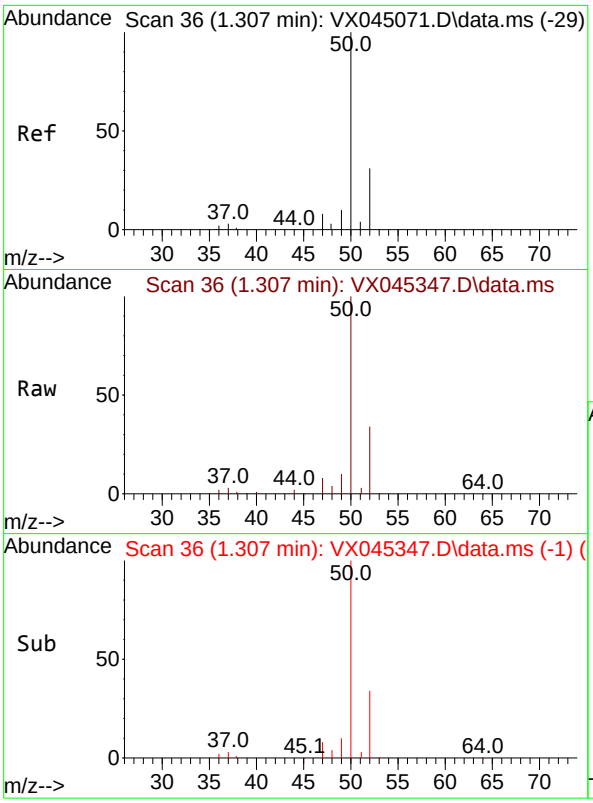


#2
Dichlorodifluoromethane
Concen: 50.442 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 85 Resp: 59746

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3



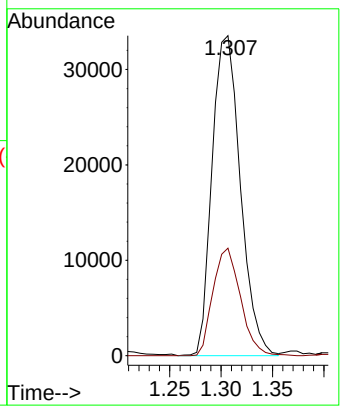


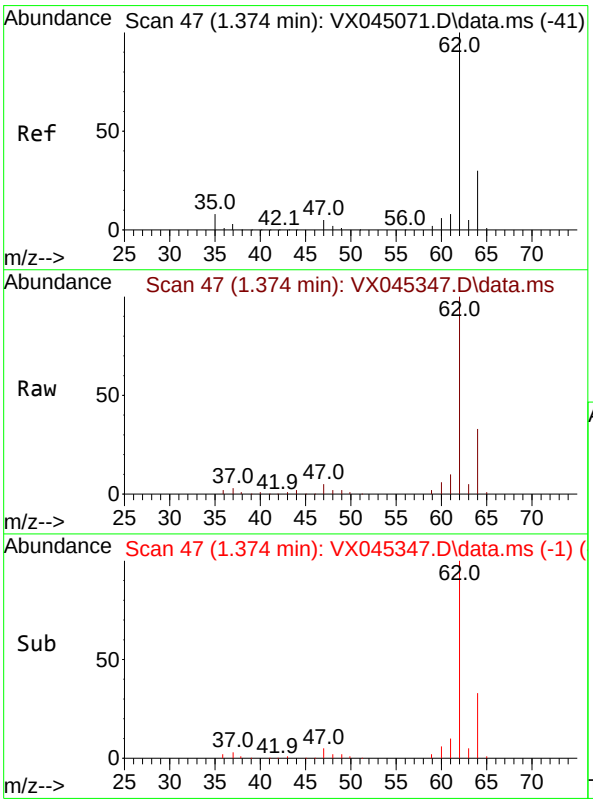
#3
Chloromethane
Concen: 44.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 64302

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.0	37.4

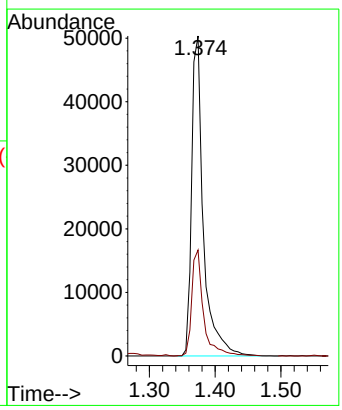


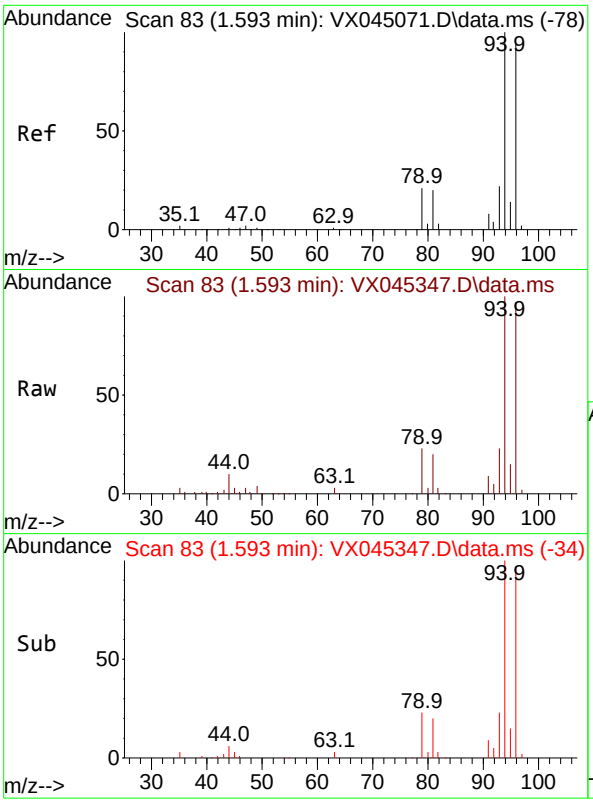


#4
Vinyl Chloride
Concen: 43.004 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 61838

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.3	36.5



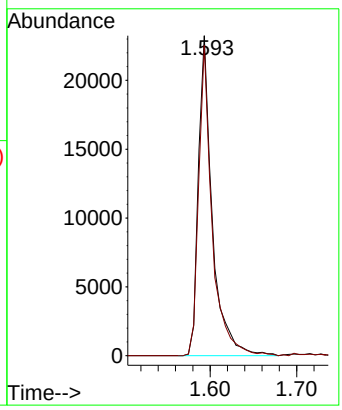


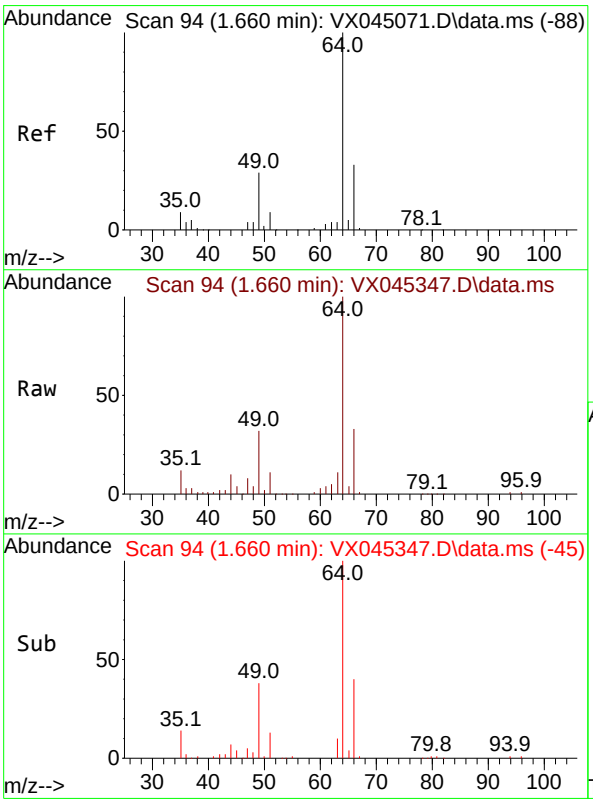
#5
Bromomethane
Concen: 45.822 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 25902

Ion	Ratio	Lower	Upper
94	100		
96	96.9	75.0	112.4

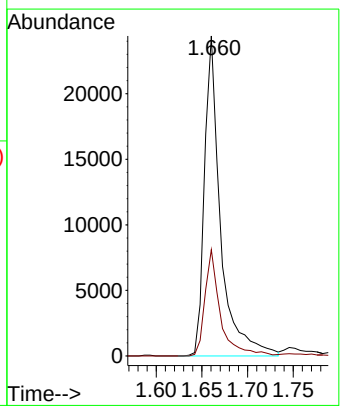


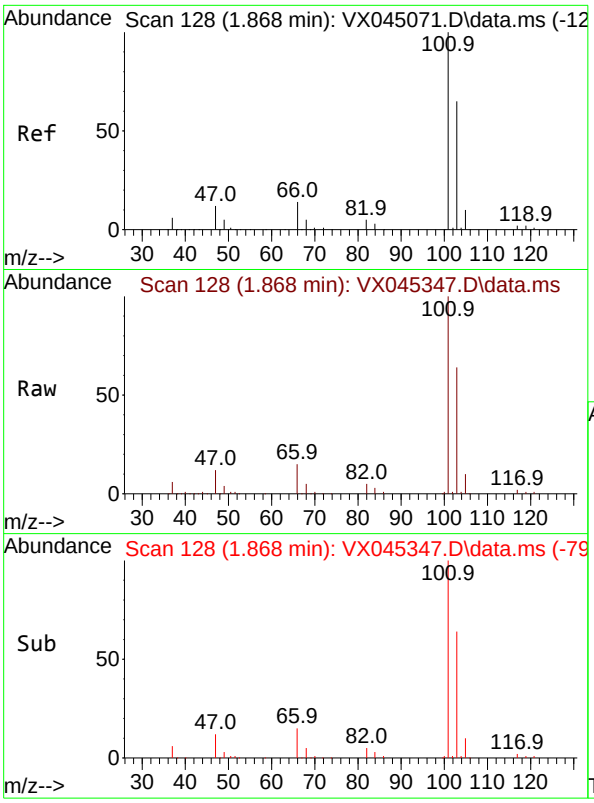


#6
Chloroethane
Concen: 44.831 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 64 Resp: 29735

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.7	40.1



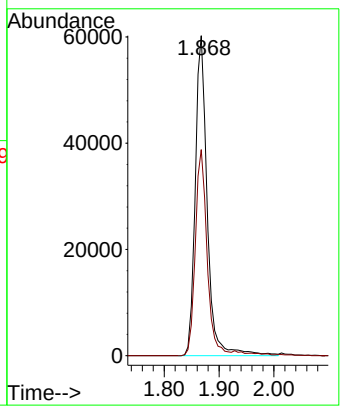


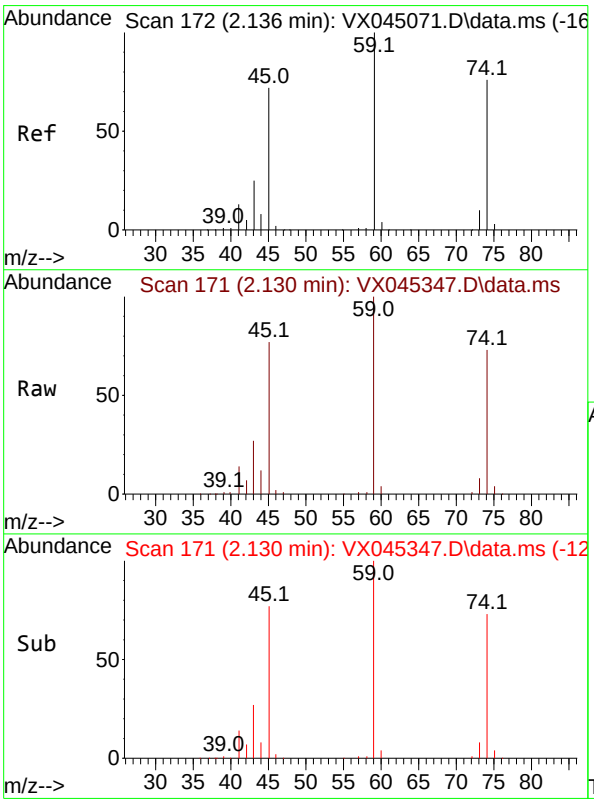
#7
Trichlorofluoromethane
Concen: 48.366 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 92068

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

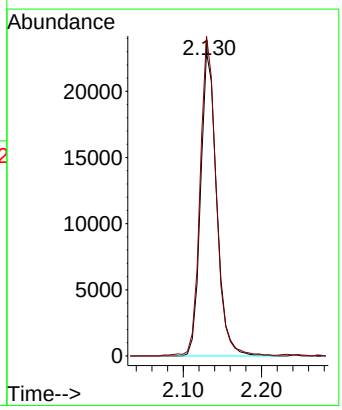


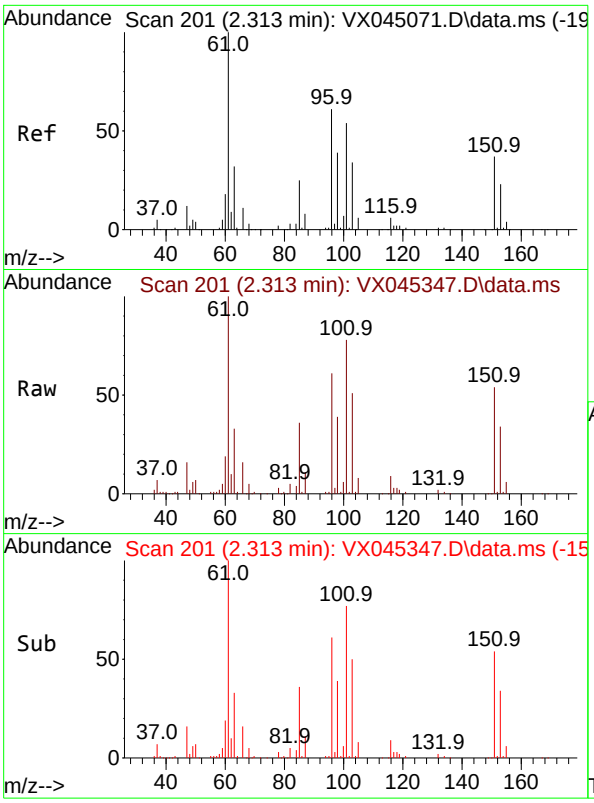


#8
Diethyl Ether
Concen: 43.843 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 74 Resp: 32644

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5



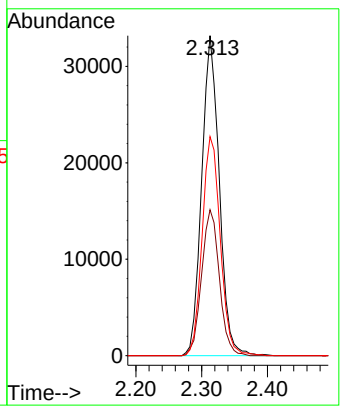


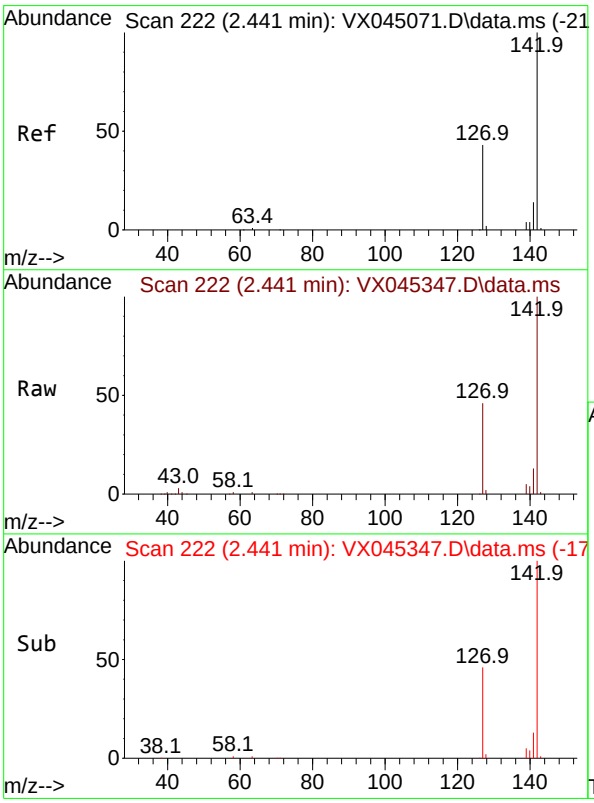
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.396 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 61677

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	70.6	56.4	84.6

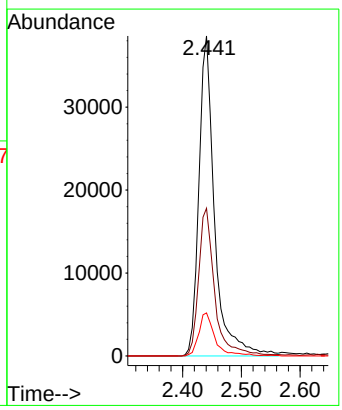


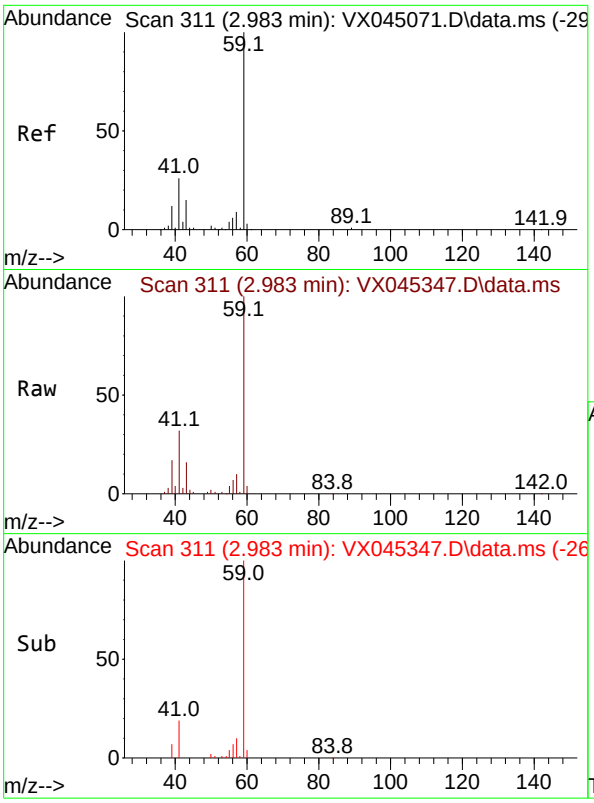


#10
Methyl Iodide
Concen: 52.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:142 Resp: 71548

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.4	53.2
141	13.9	11.6	17.4



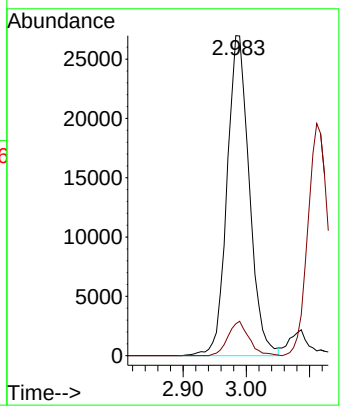


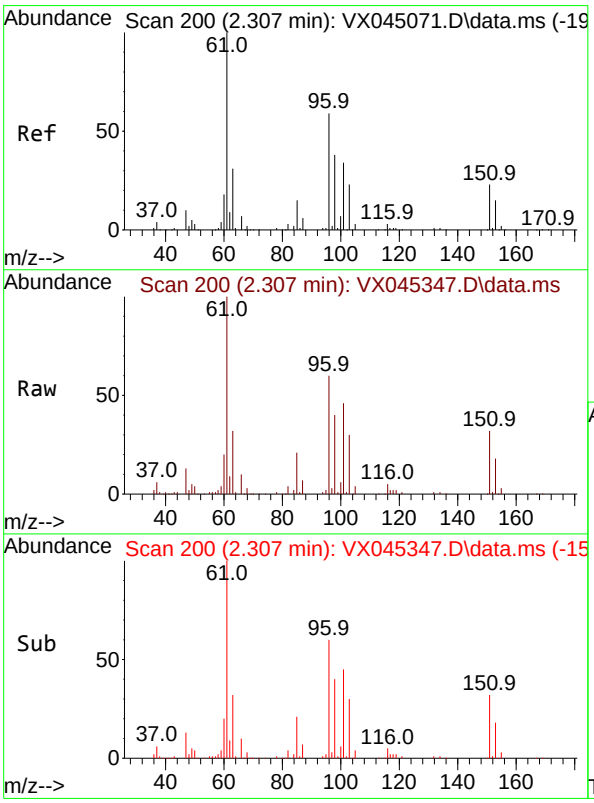
#11
Tert butyl alcohol
Concen: 232.818 ug/l
RT: 2.983 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 66006

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

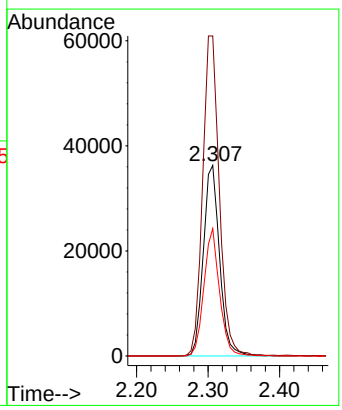


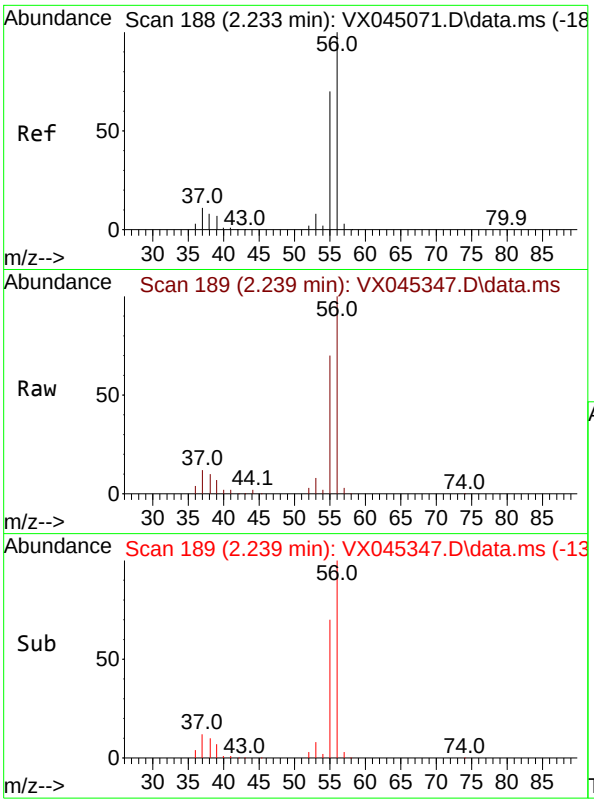


#12
1,1-Dichloroethene
Concen: 49.441 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 96 Resp: 57166

Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.6	202.0
98	66.8	51.0	76.6



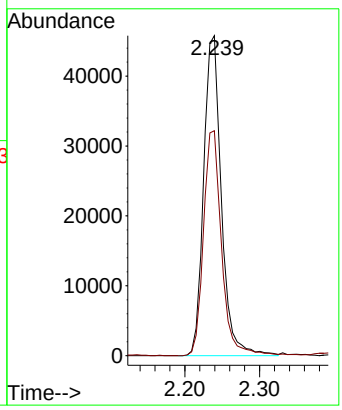


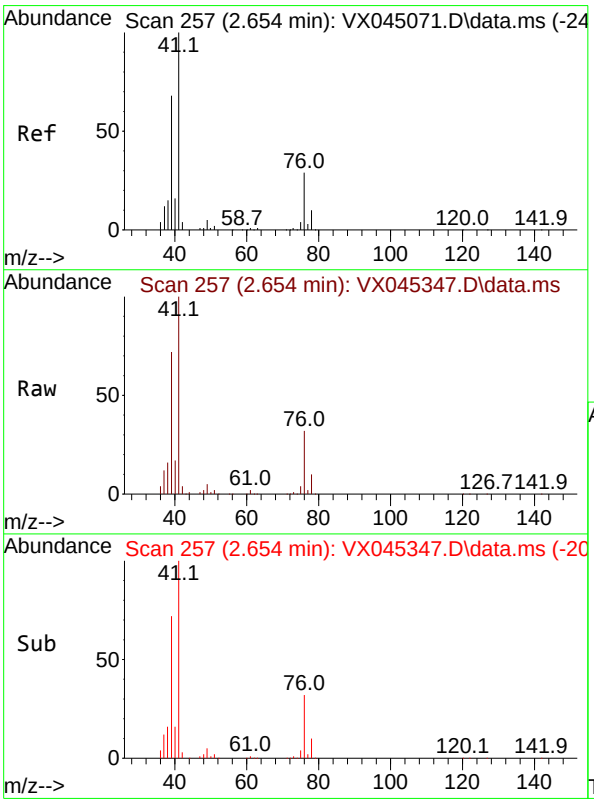
#13
Acrolein
Concen: 229.981 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 75371

Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.2	84.4

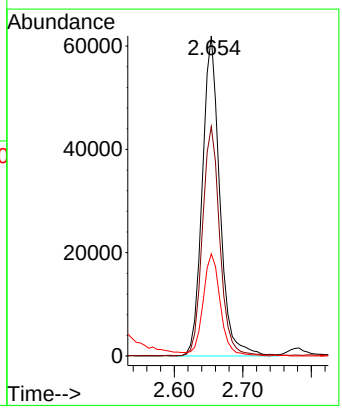


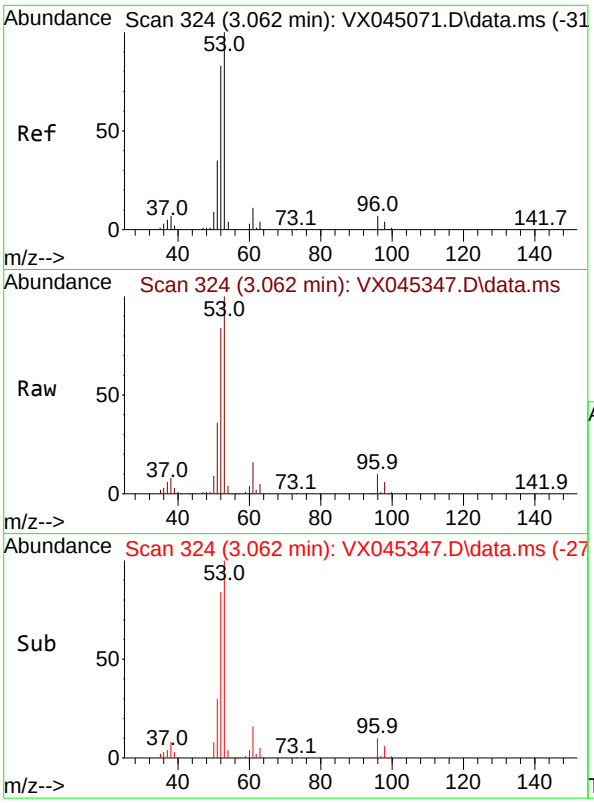


#14
Allyl chloride
Concen: 53.602 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 110322

Ion	Ratio	Lower	Upper
41	100		
39	70.6	53.8	80.8
76	31.7	25.2	37.8



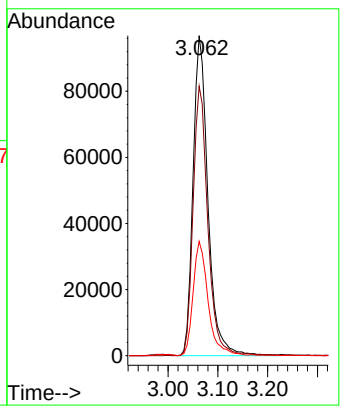


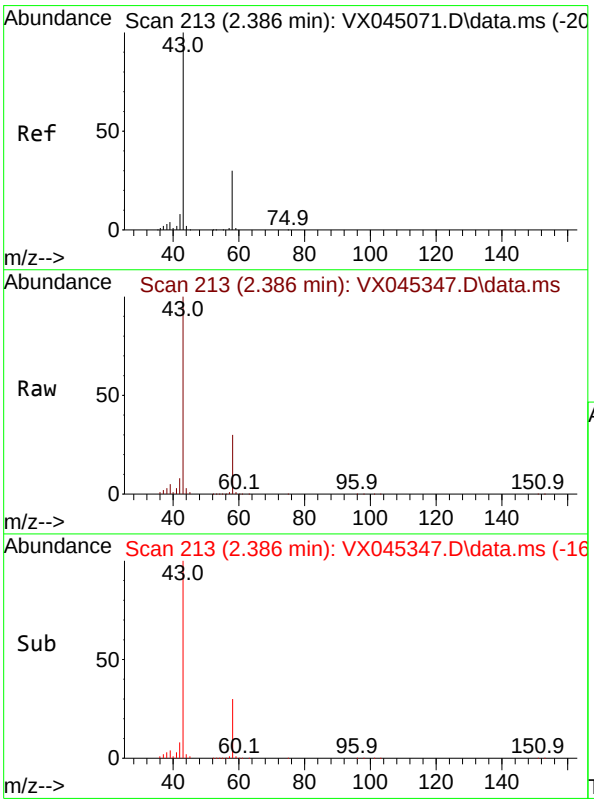
#15
Acrylonitrile
Concen: 264.049 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 200634

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	35.8	29.0	43.4

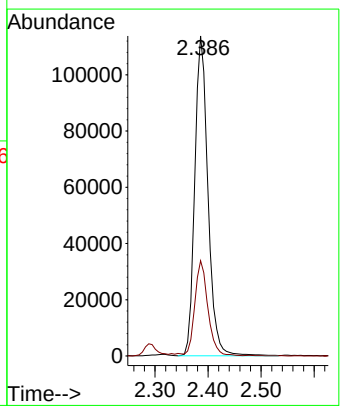


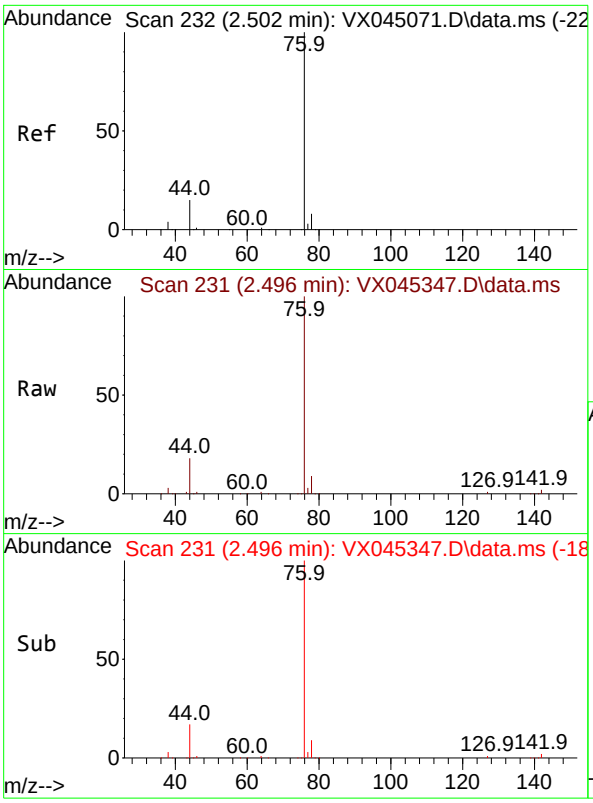


#16
Acetone
Concen: 282.690 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 196313

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



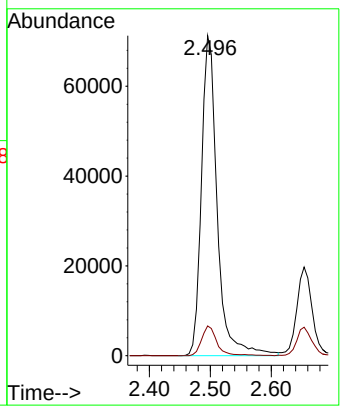


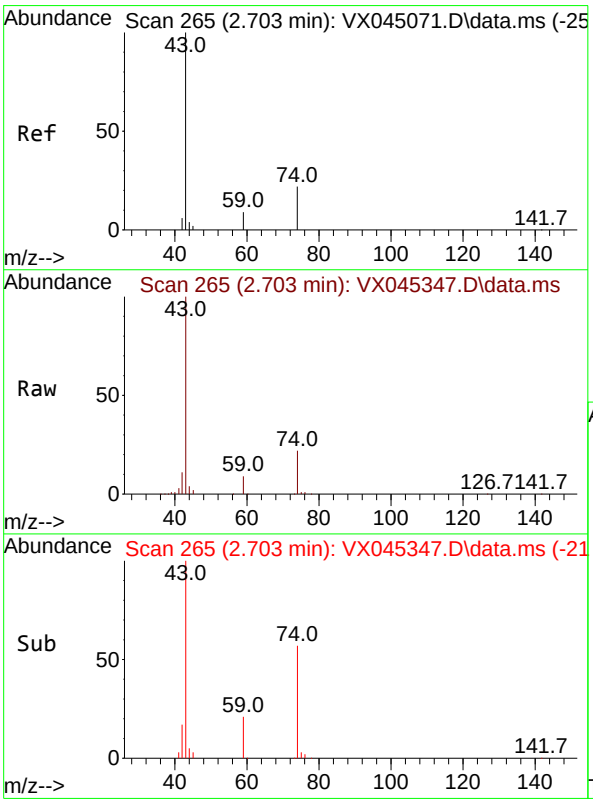
#17
Carbon Disulfide
Concen: 41.629 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 128203

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

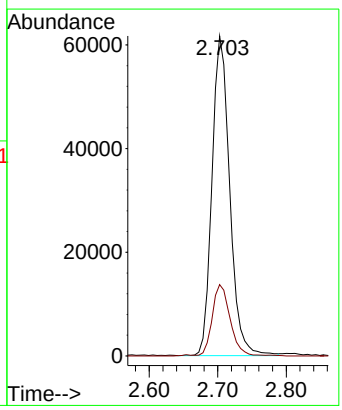


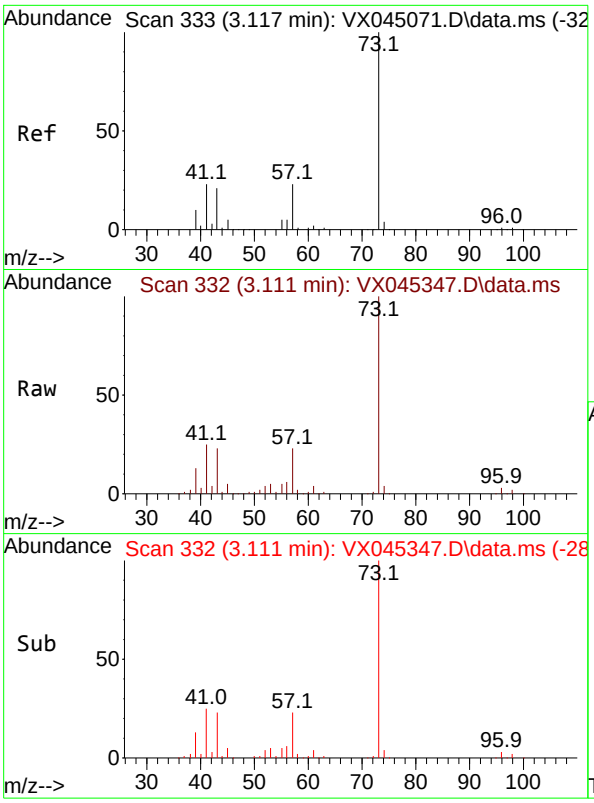


#18
Methyl Acetate
Concen: 66.439 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 110994

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



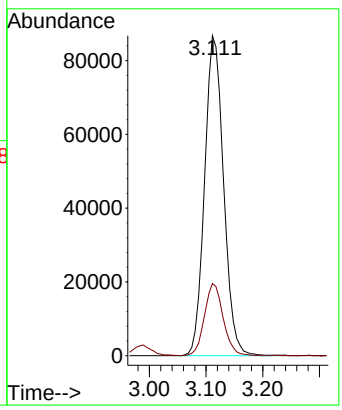


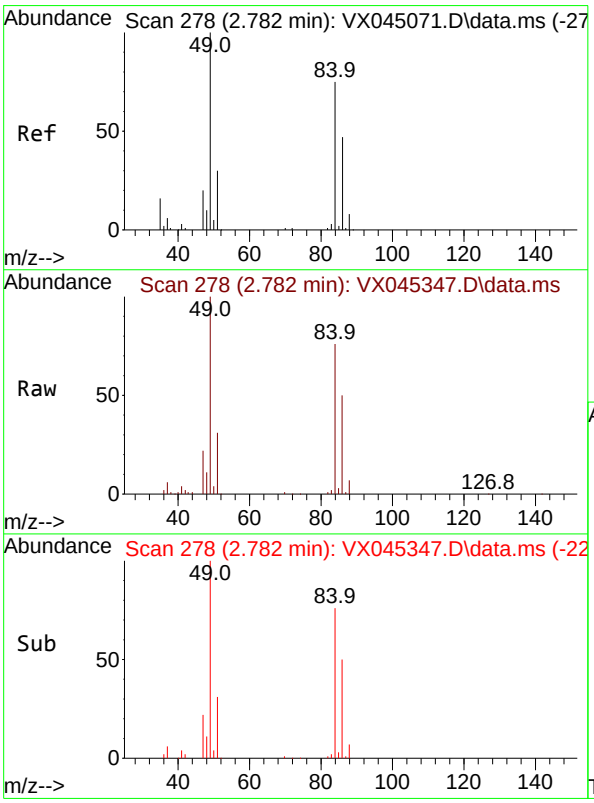
#19
Methyl tert-butyl Ether
Concen: 51.972 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 201610

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

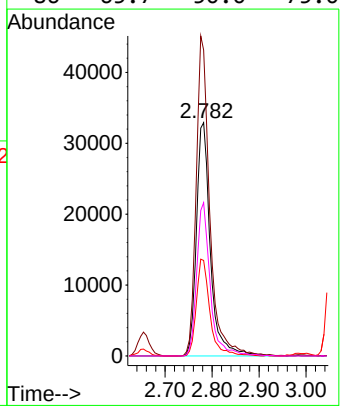


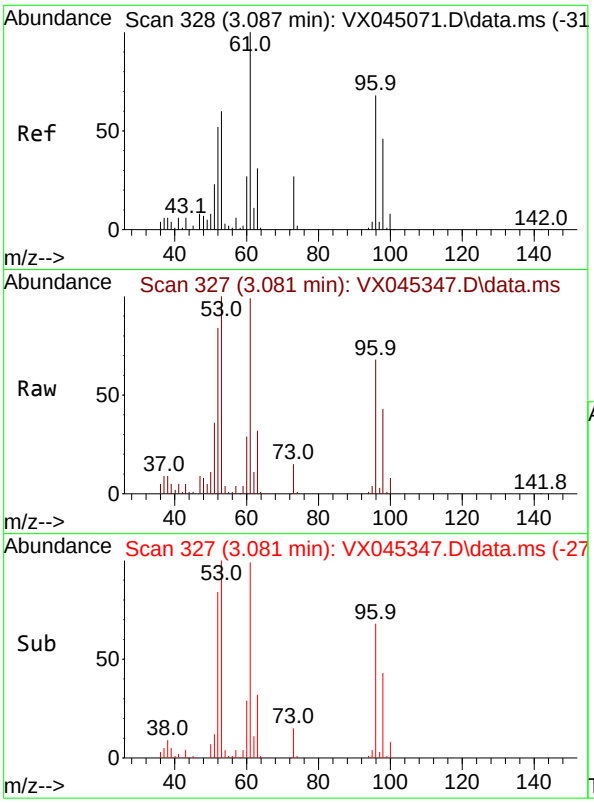


#20
Methylene Chloride
Concen: 49.504 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 84 Resp: 68099

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.0	32.1	48.1
86	65.7	50.0	75.0



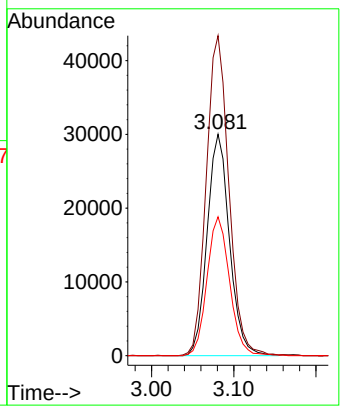


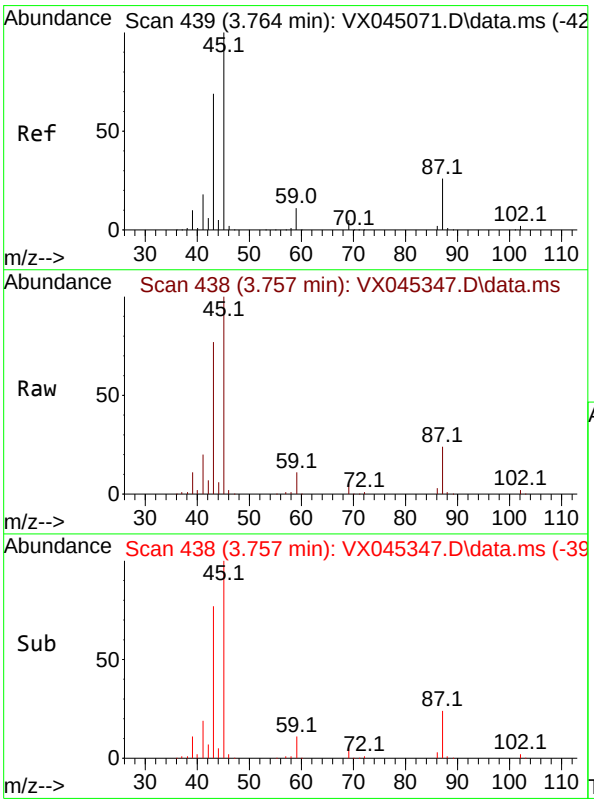
#21
trans-1,2-Dichloroethene
Concen: 49.612 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 56672

Ion	Ratio	Lower	Upper
96	100		
61	144.5	117.0	175.4
98	62.7	53.4	80.2

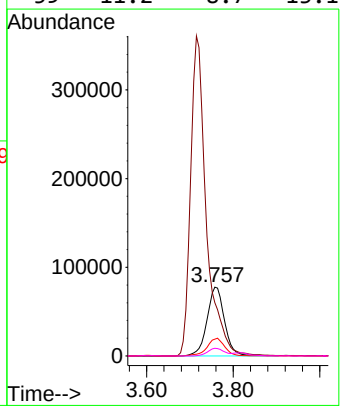


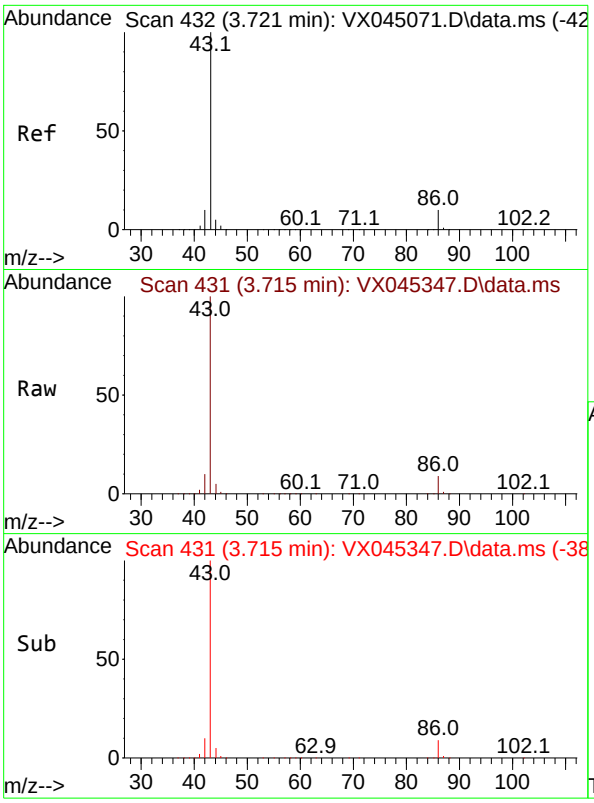


#22
Diisopropyl ether
Concen: 52.186 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 45 Resp: 218443

Ion	Ratio	Lower	Upper
45	100		
43	76.8	54.9	82.3
87	24.5	21.0	31.4
59	11.2	8.7	13.1



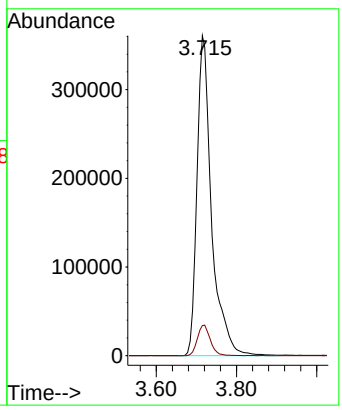


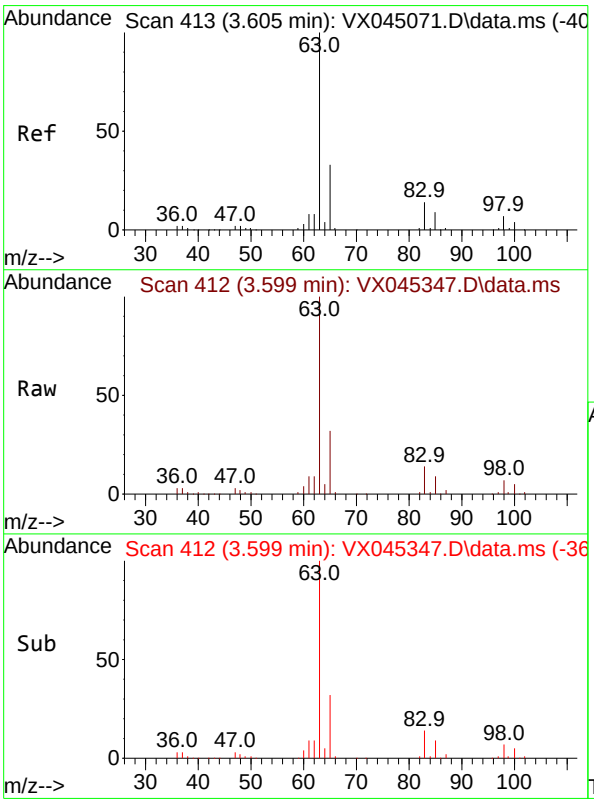
#23
Vinyl Acetate
Concen: 260.960 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 911566

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

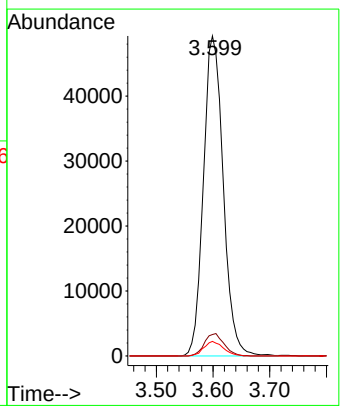


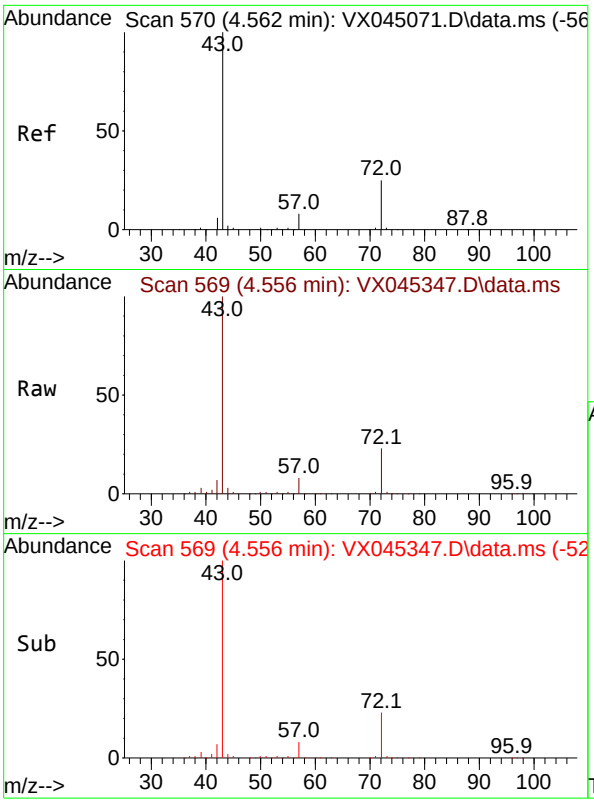


#24
1,1-Dichloroethane
Concen: 50.922 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 119458

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.6	2.1	6.5



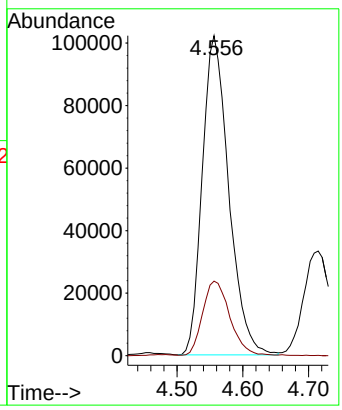


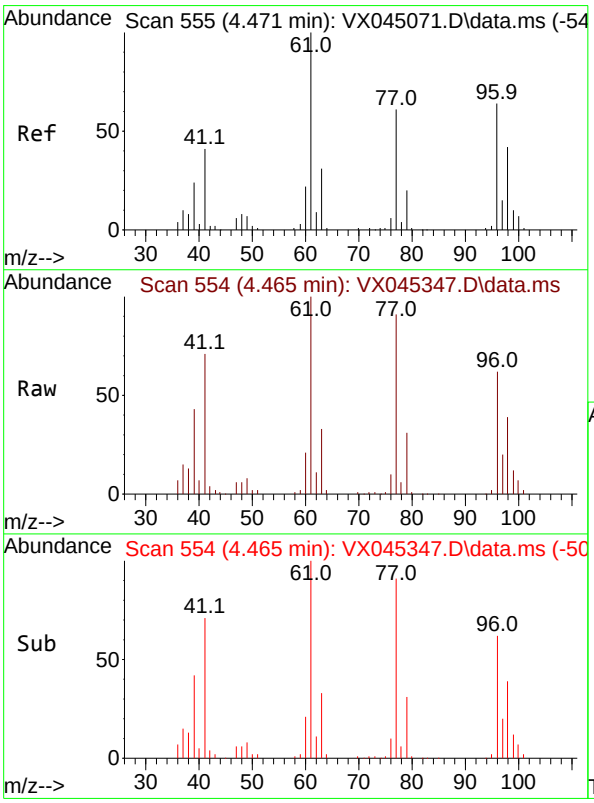
#25
2-Butanone
Concen: 274.133 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 286555

Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.0	30.0

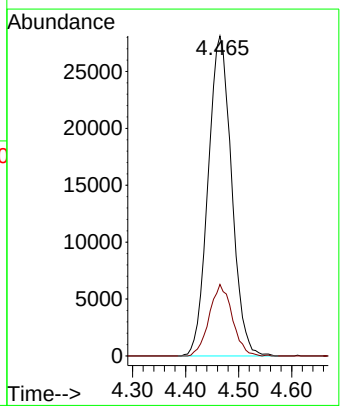


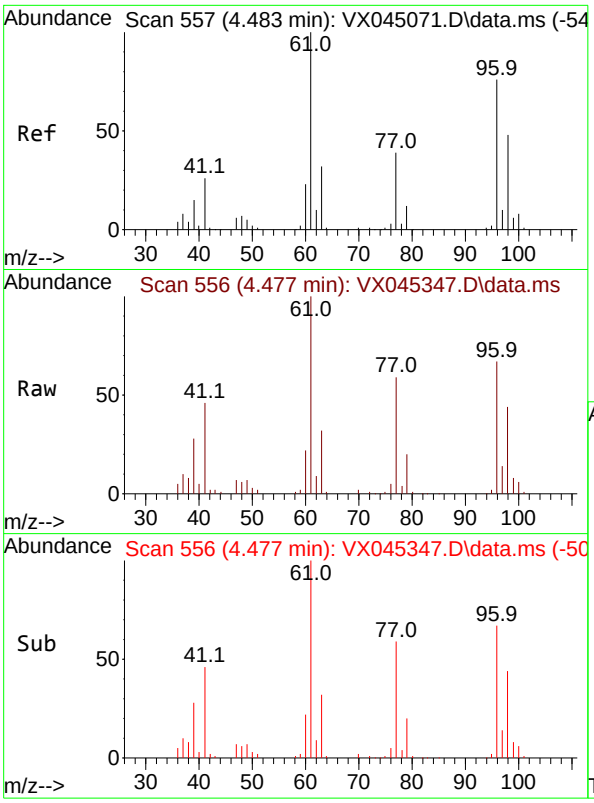


#26
2,2-Dichloropropane
Concen: 78.567 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 77 Resp: 86451

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0



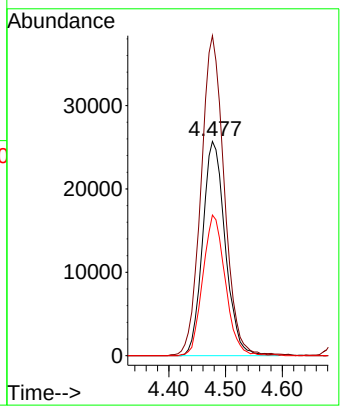


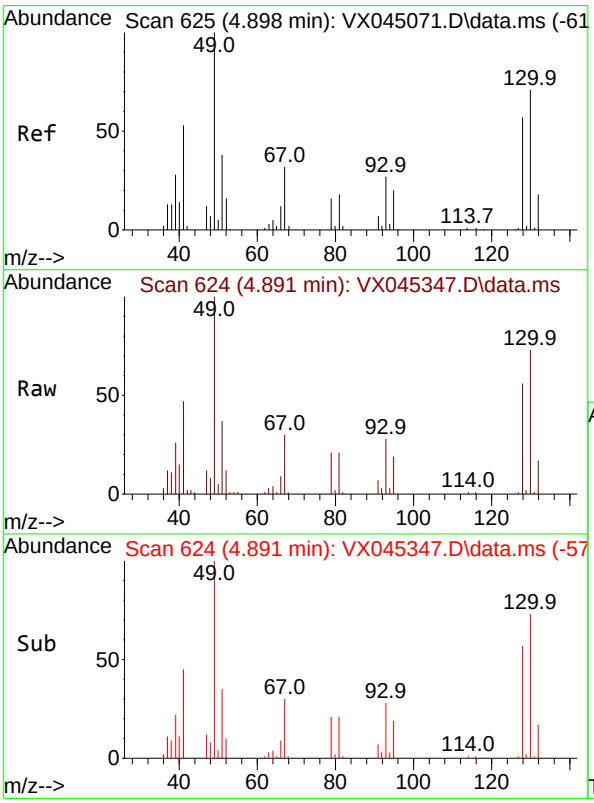
#27
cis-1,2-Dichloroethene
Concen: 50.388 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 71053

Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	283.2
98	65.4	0.0	128.0

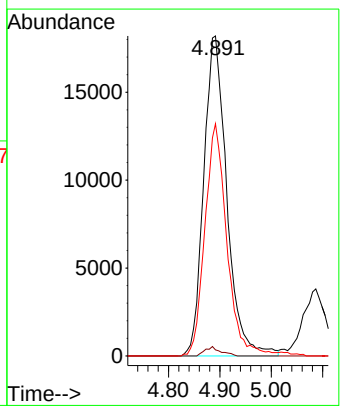


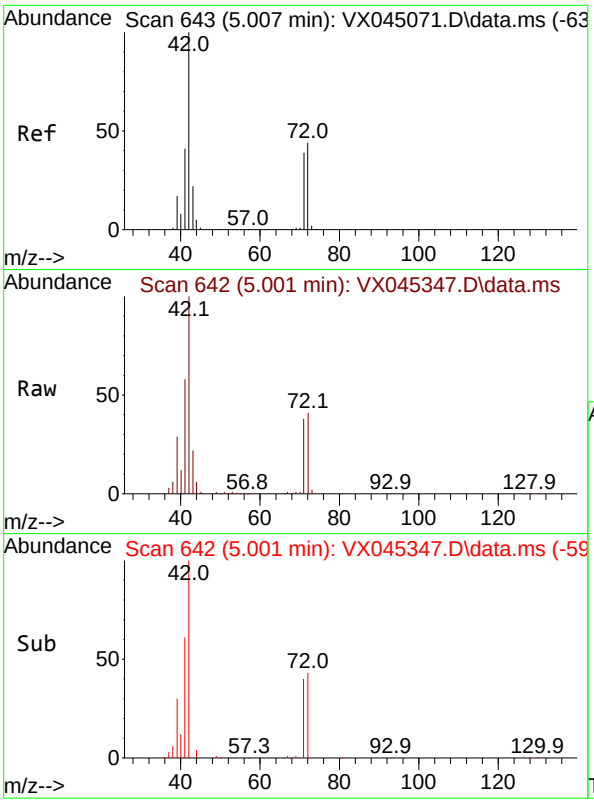


#28
Bromochloromethane
Concen: 50.753 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 49 Resp: 56750

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.0	56.1	84.1



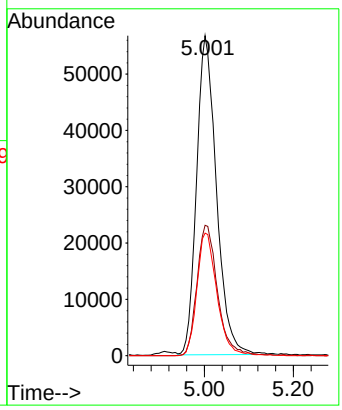


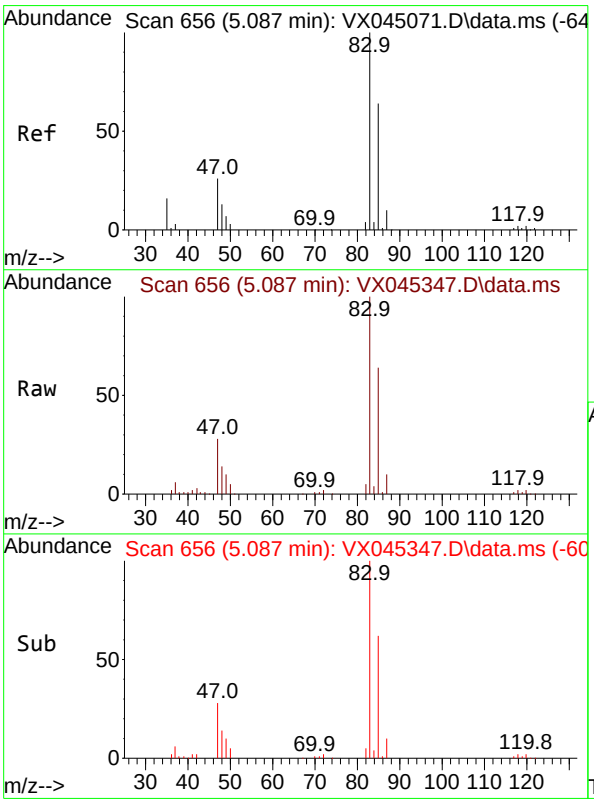
#29
Tetrahydrofuran
Concen: 251.058 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 176238

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	38.7	31.4	47.0

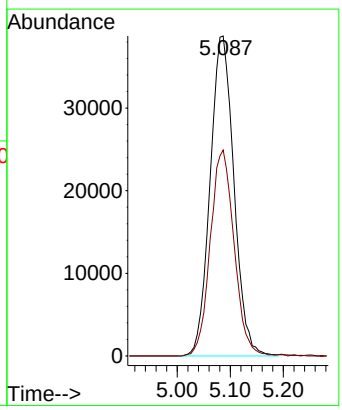


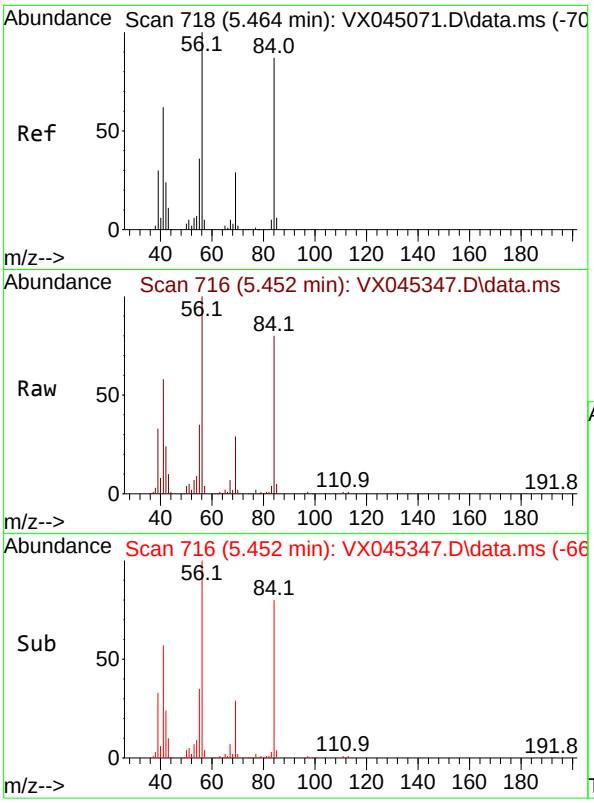


#30
Chloroform
Concen: 51.818 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



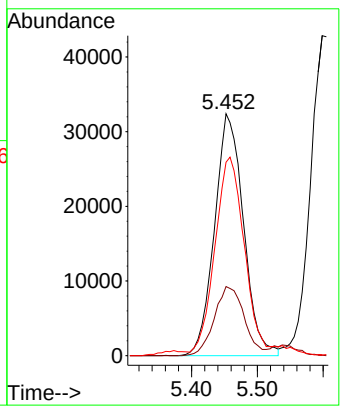


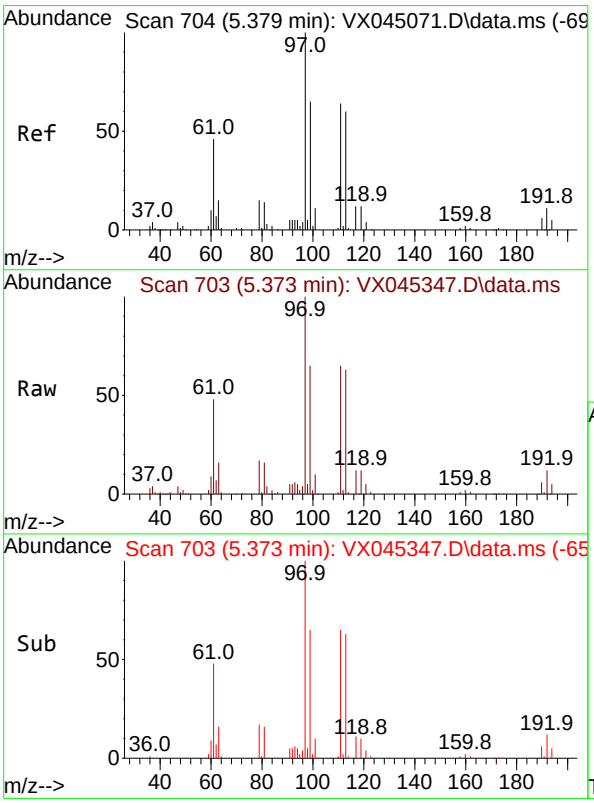
#31
Cyclohexane
Concen: 48.741 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 99254

Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.2
84	78.2	69.4	104.2

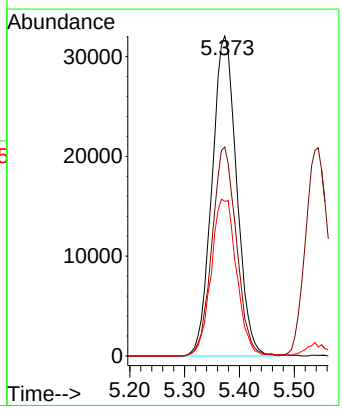


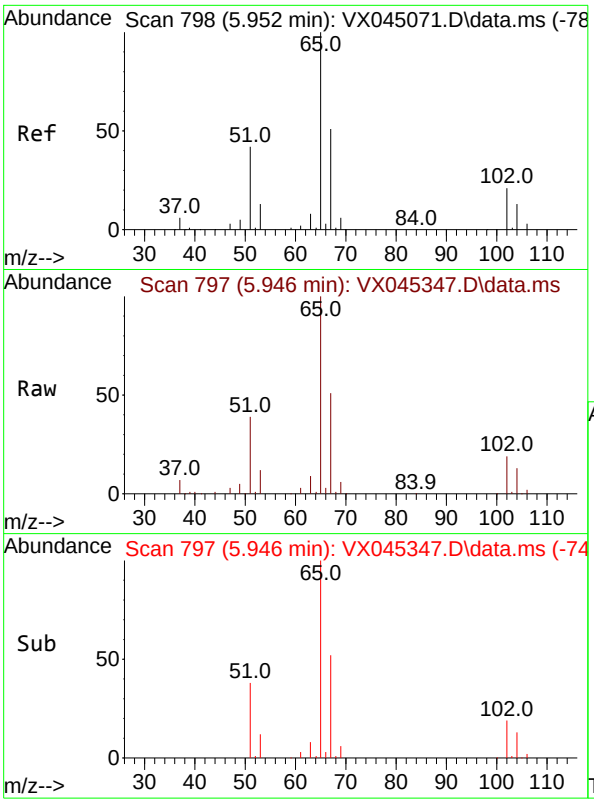


#32
1,1,1-Trichloroethane
Concen: 53.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 97 Resp: 100201

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.4	38.4	57.6



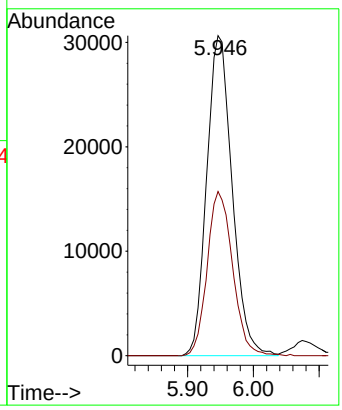


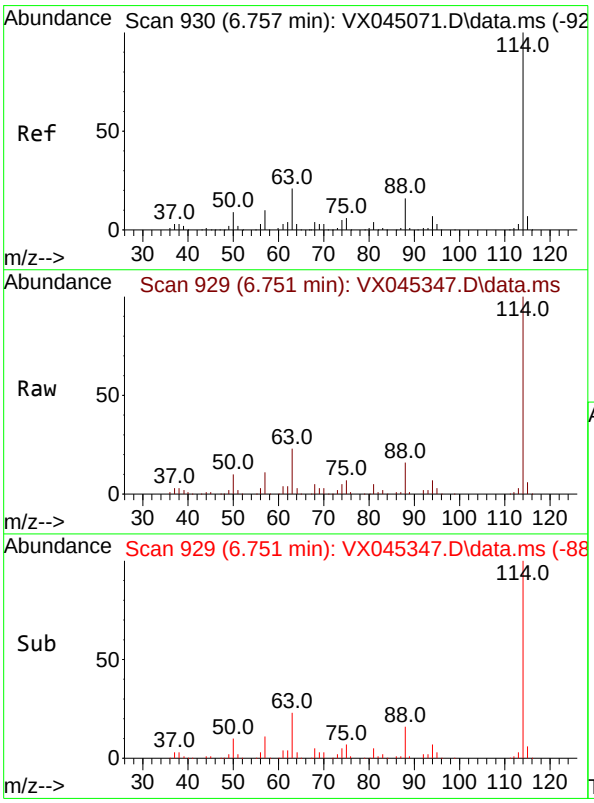
#33
1,2-Dichloroethane-d4
Concen: 55.125 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 82508

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2

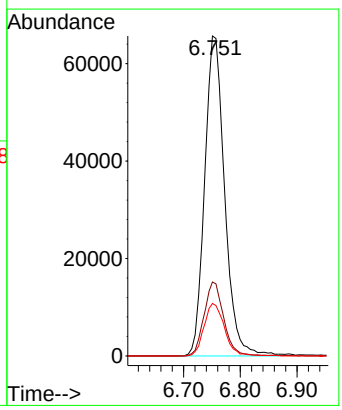


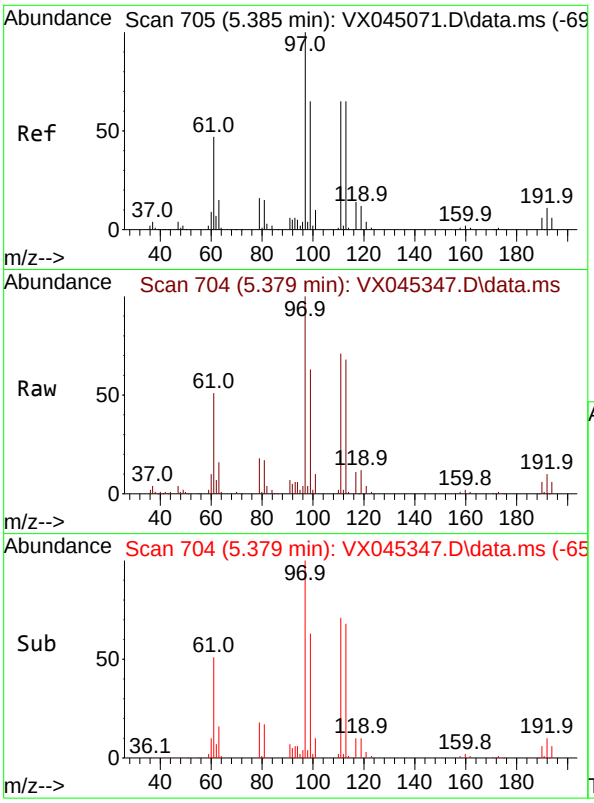


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:114 Resp: 160941

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	41.8
88	16.4	0.0	32.8



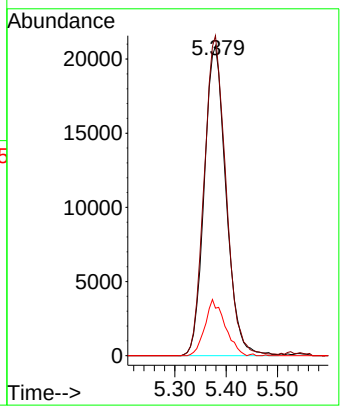


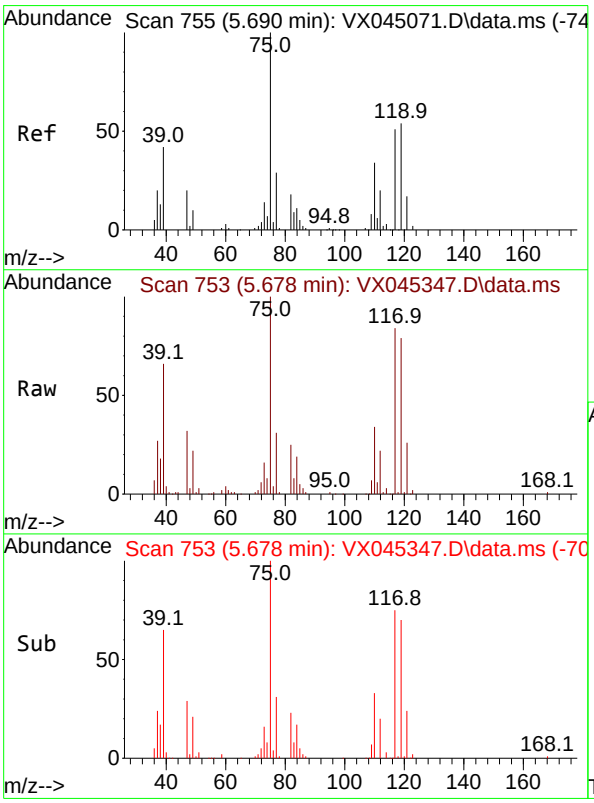
#35
Dibromofluoromethane
Concen: 57.055 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 61401

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.8	14.3	21.5

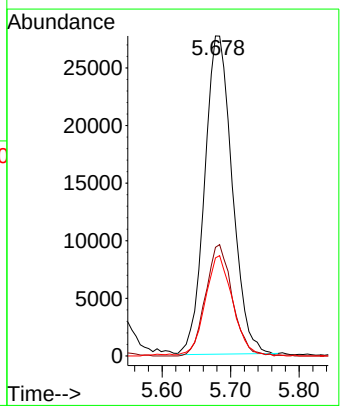


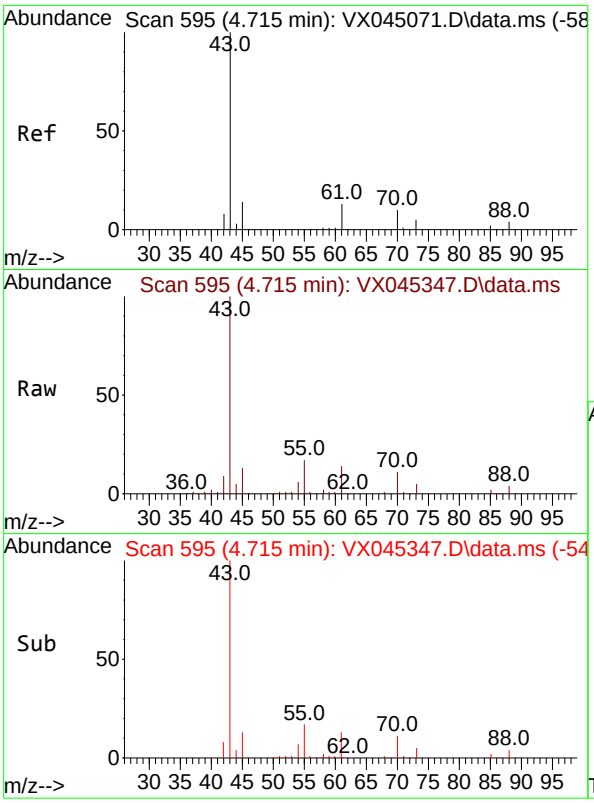


#36
1,1-Dichloropropene
Concen: 52.334 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 77237

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.5	24.5	36.7



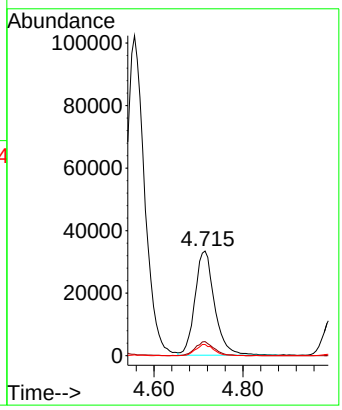


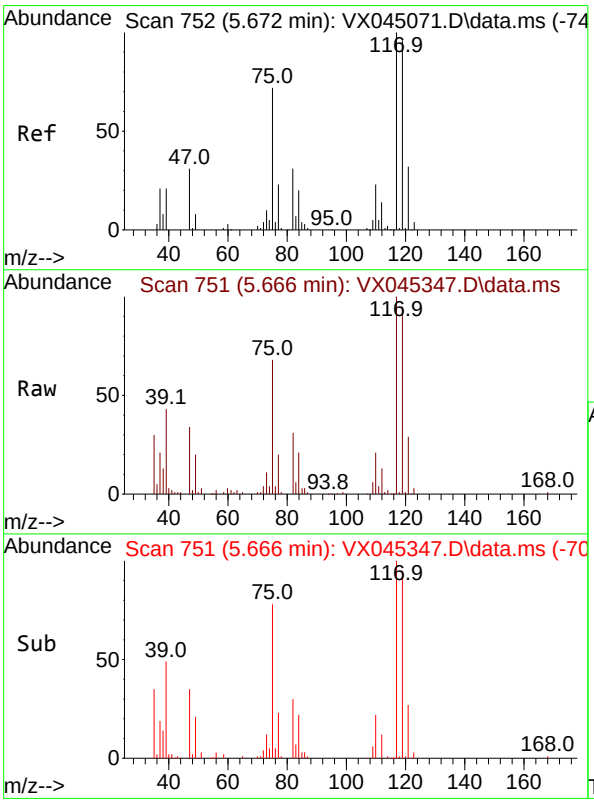
#37
Ethyl Acetate
Concen: 53.733 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 102186

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.8	16.2
70	10.0	7.7	11.5

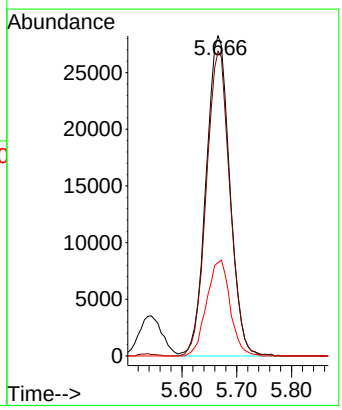


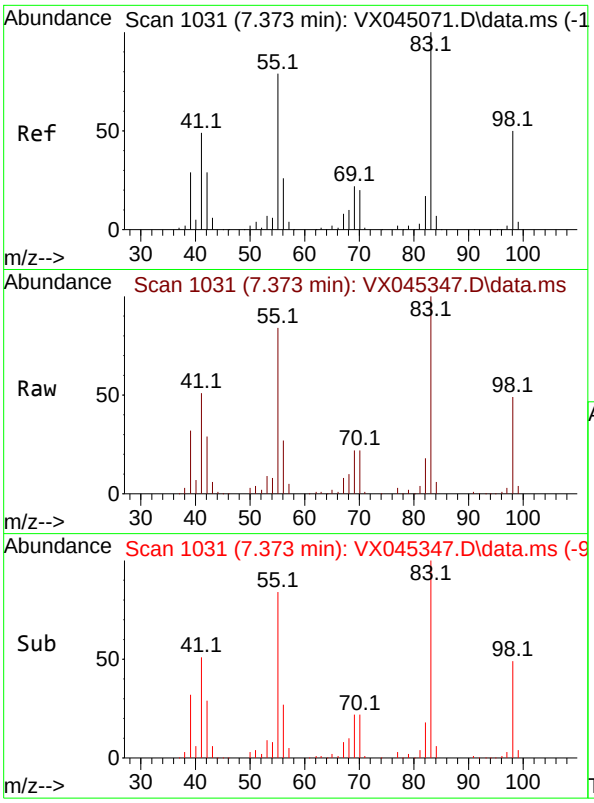


#38
Carbon Tetrachloride
Concen: 56.470 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 84612

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	29.2	25.5	38.3



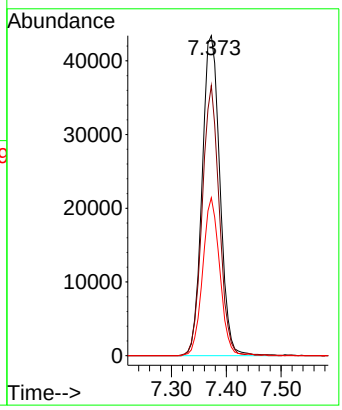


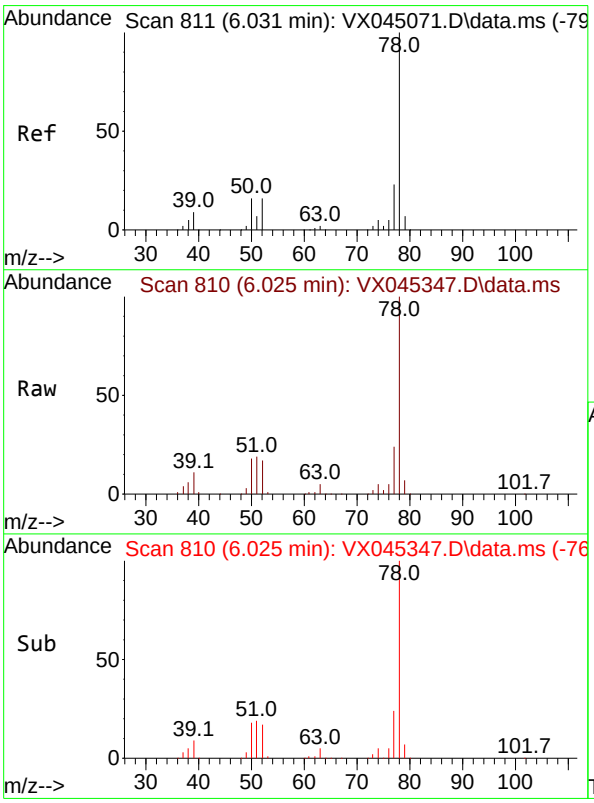
#39
Methylcyclohexane
Concen: 55.240 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 97687

Ion	Ratio	Lower	Upper
83	100		
55	84.4	63.0	94.4
98	49.3	39.7	59.5

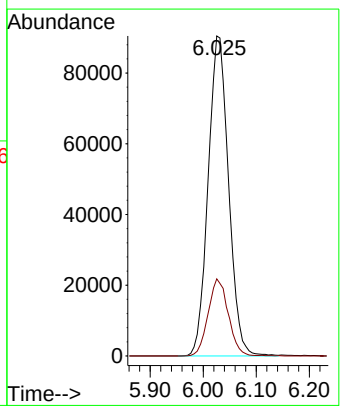


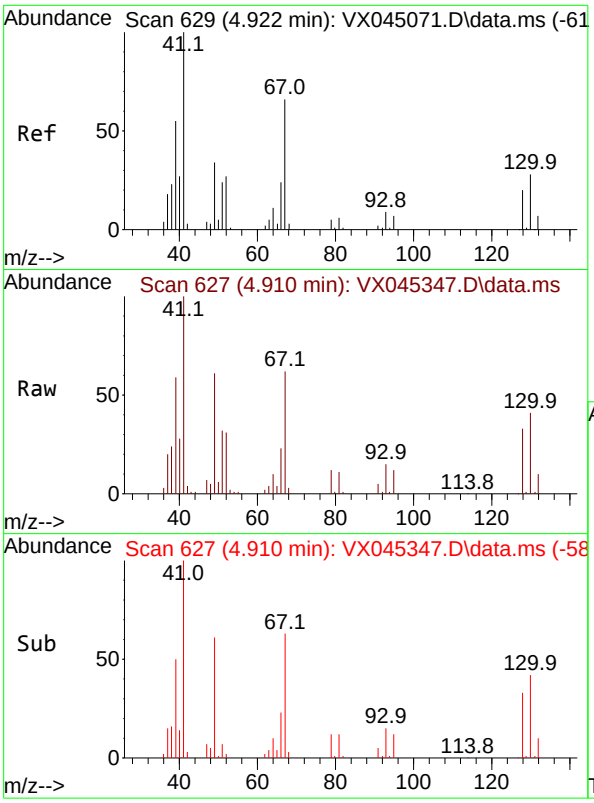


#40
Benzene
Concen: 51.973 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 78 Resp: 242215

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2



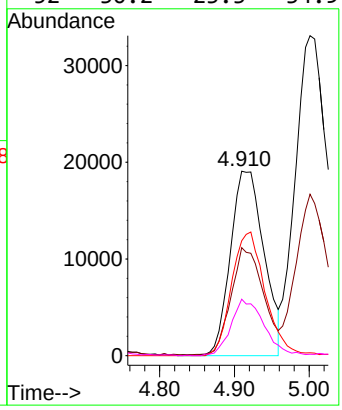


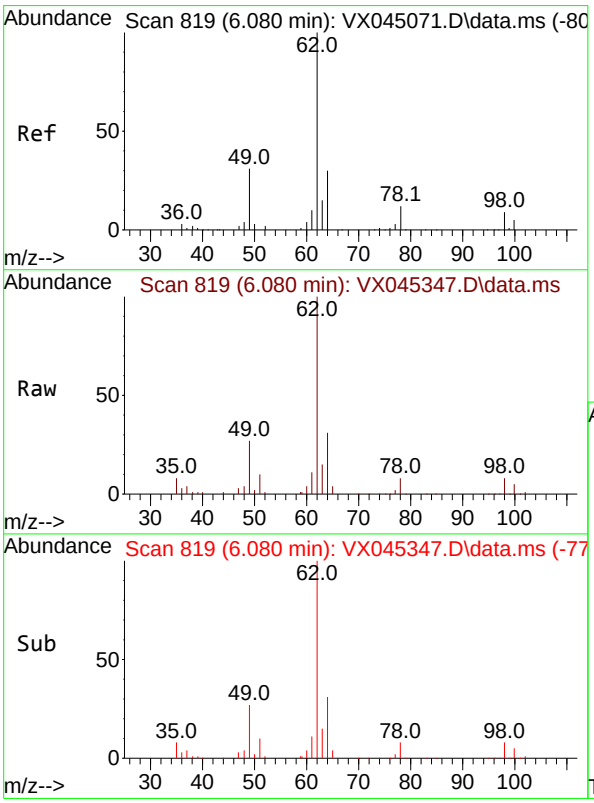
#41
Methacrylonitrile
Concen: 58.072 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 59716

Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	67.0
67	67.3	53.9	80.9
52	30.2	23.3	34.9

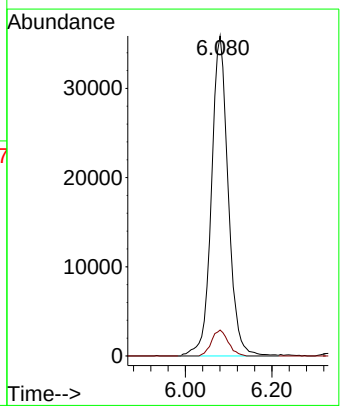


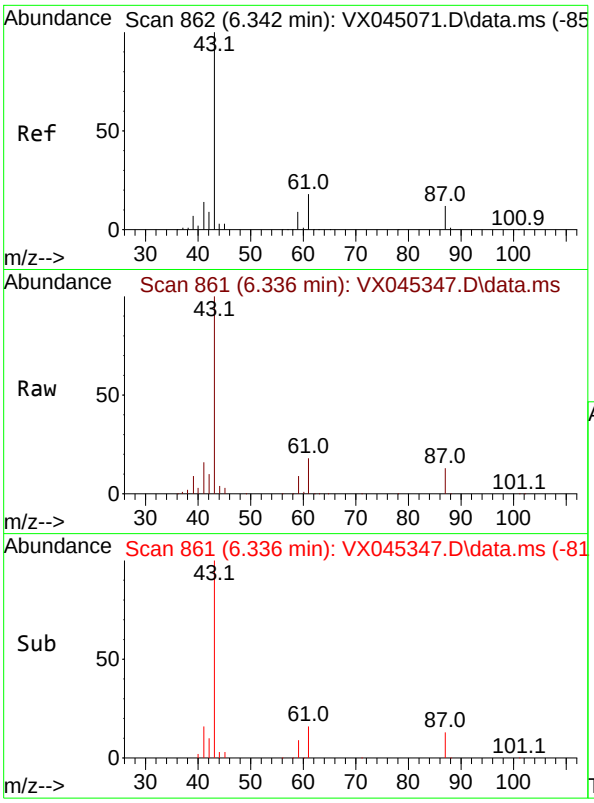


#42
1,2-Dichloroethane
Concen: 57.604 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 62 Resp: 96672

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2



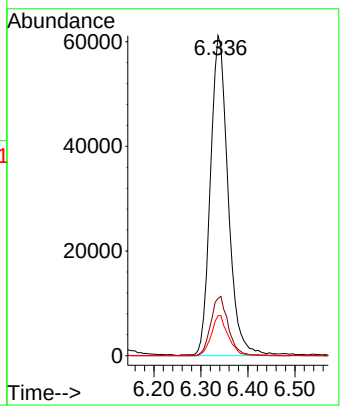


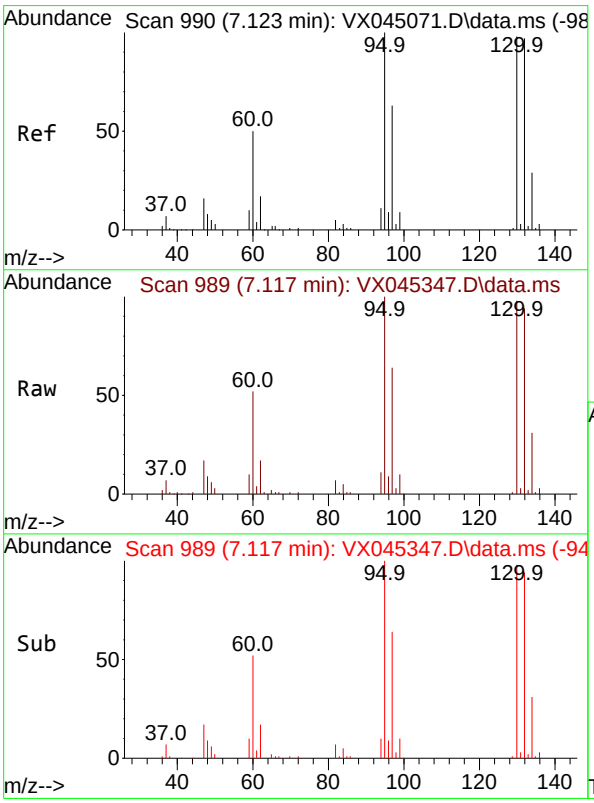
#43
Isopropyl Acetate
Concen: 56.979 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 160232

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.9	9.4	14.2

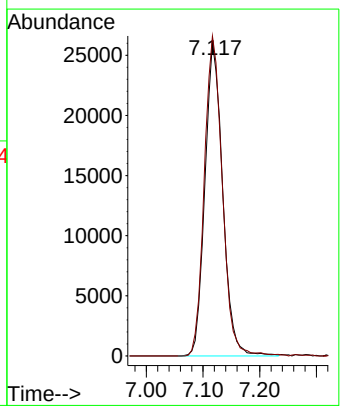


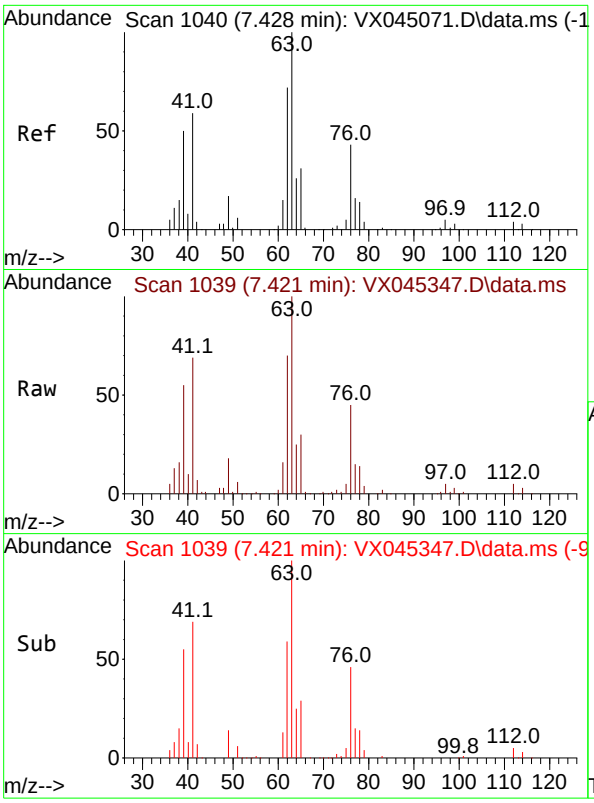


#44
Trichloroethene
Concen: 51.854 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:130 Resp: 56744

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.0



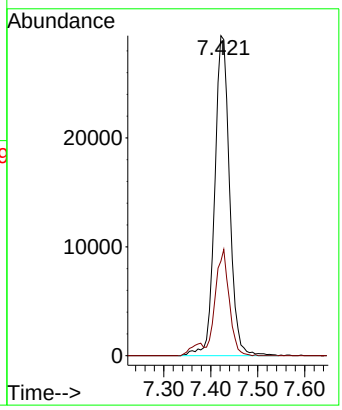


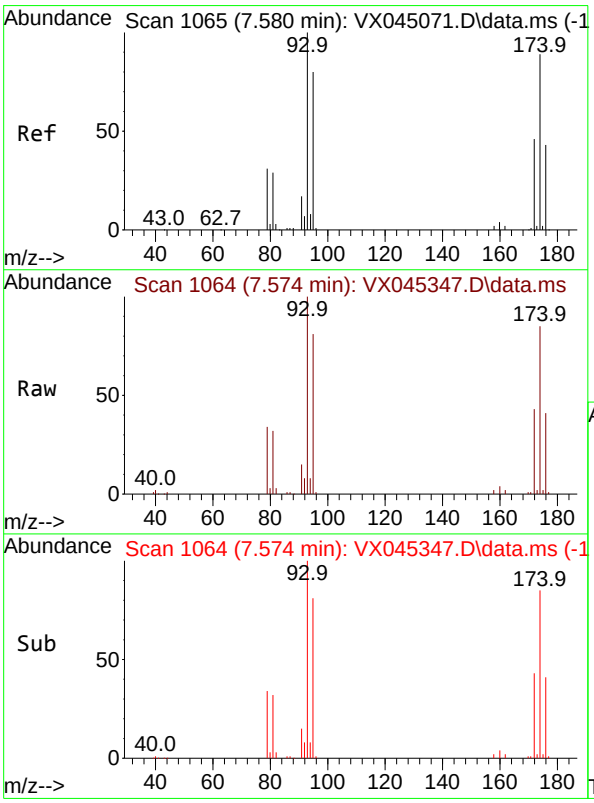
#45
1,2-Dichloropropane
Concen: 53.925 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 64615

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

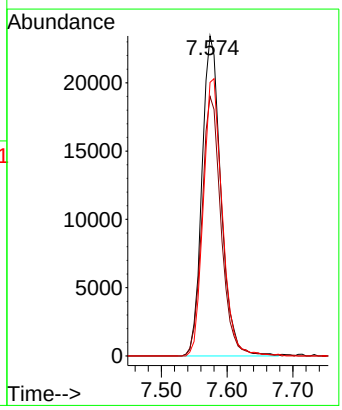


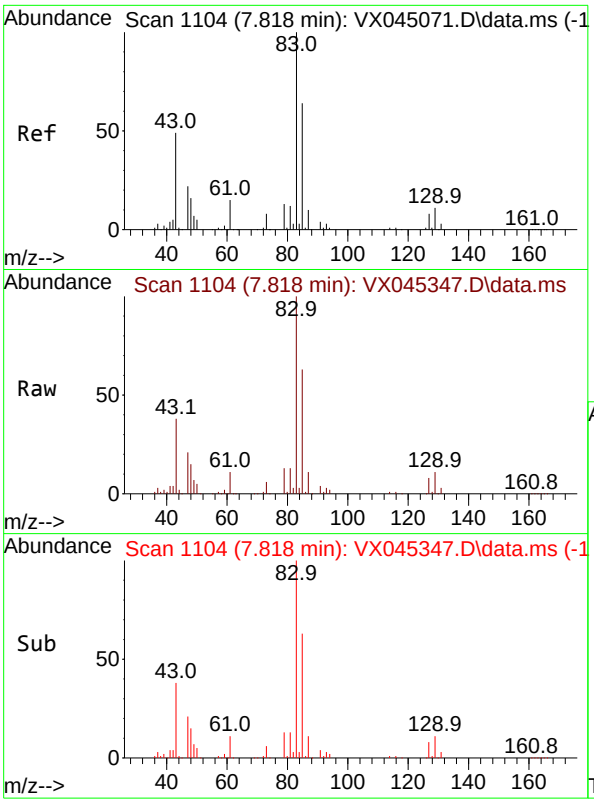


#46
Dibromomethane
Concen: 55.635 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 93 Resp: 47119

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	86.1	72.2	108.2



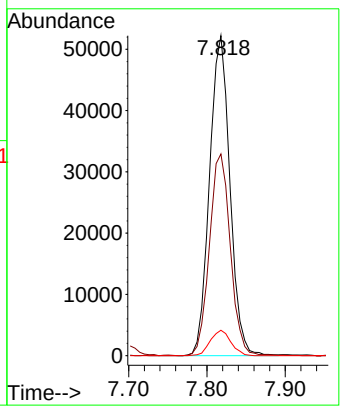


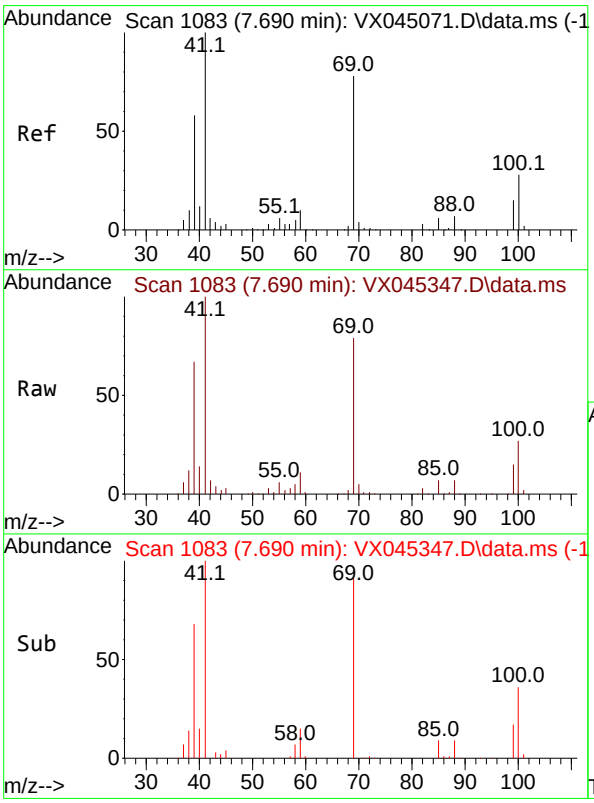
#47
Bromodichloromethane
Concen: 56.808 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 94372

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.9	6.4	9.6

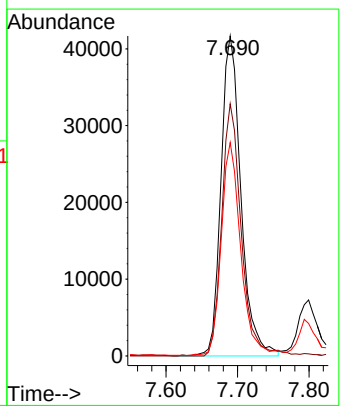


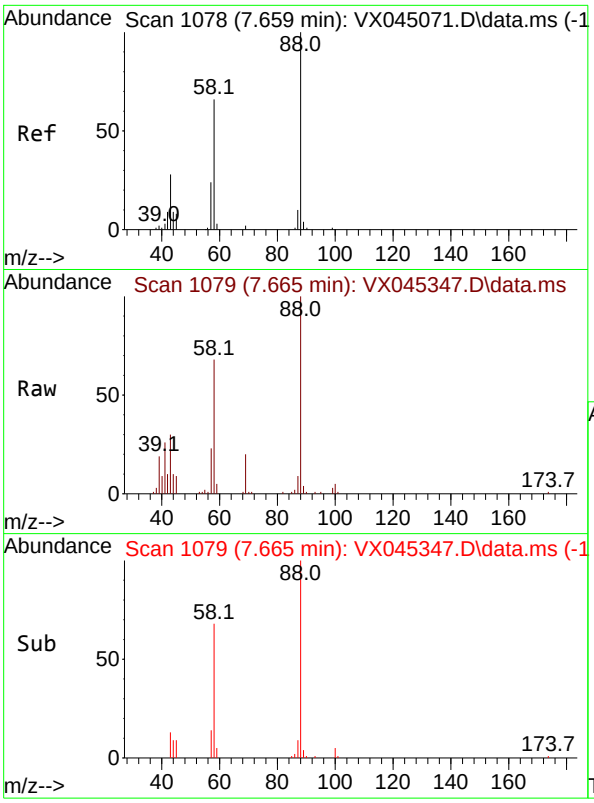


#48
Methyl methacrylate
Concen: 57.285 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 41 Resp: 80819

Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.0	94.6
39	65.2	47.5	71.3



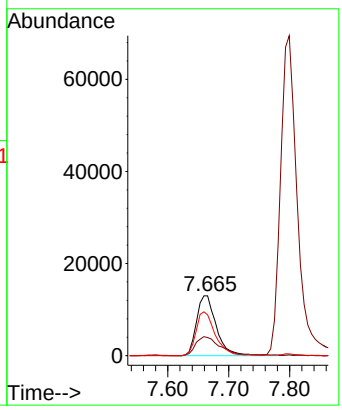


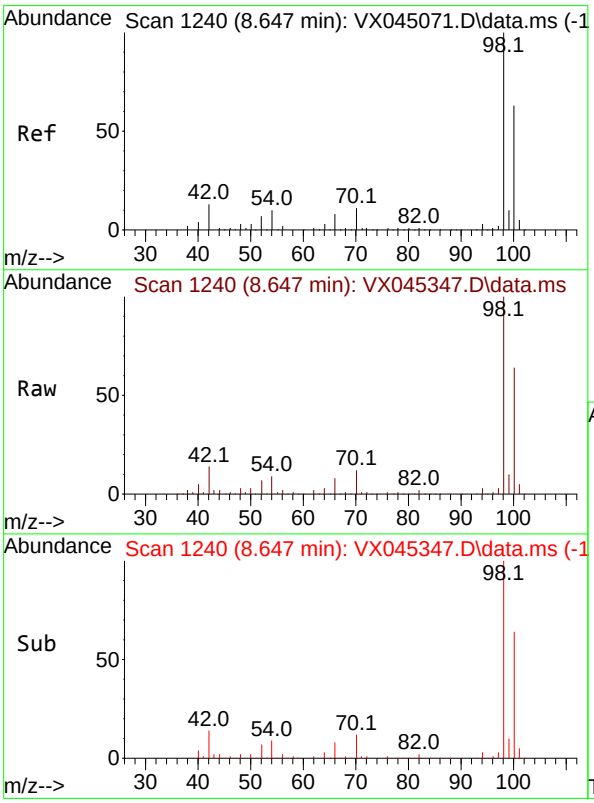
#49
1,4-Dioxane
Concen: 987.206 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29379

Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	72.0	55.8	83.8

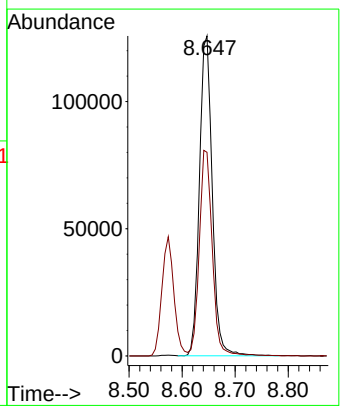


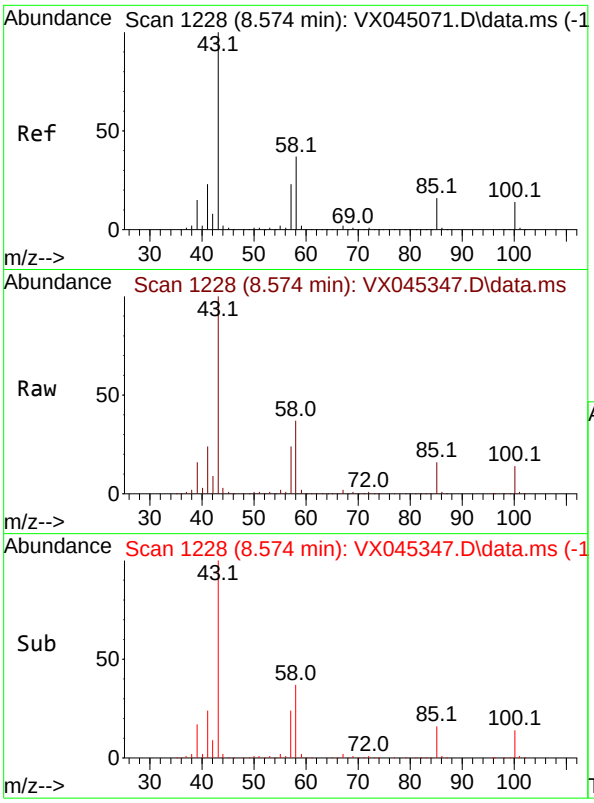


#50
Toluene-d8
Concen: 54.211 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 98 Resp: 211503

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



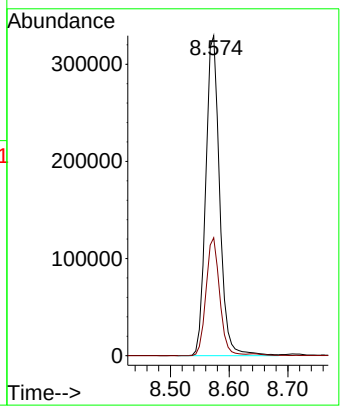


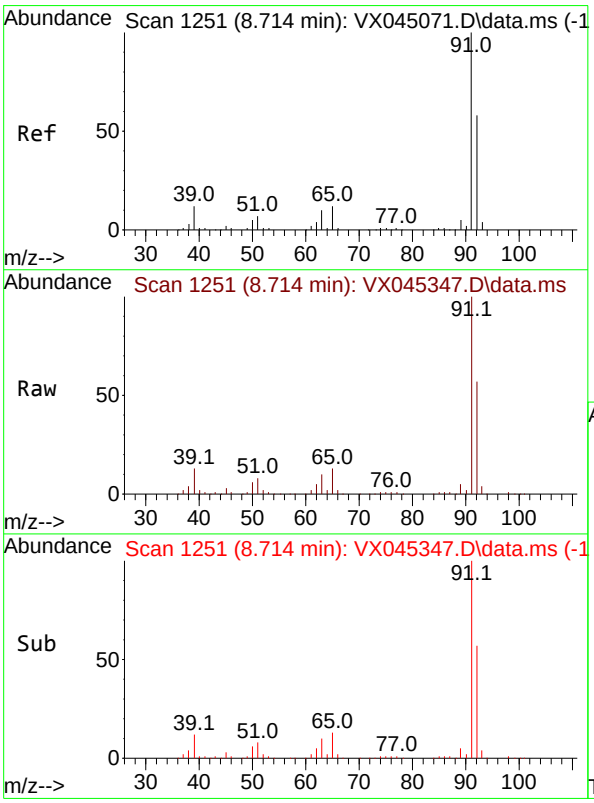
#51
4-Methyl-2-Pentanone
Concen: 286.370 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 540720

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

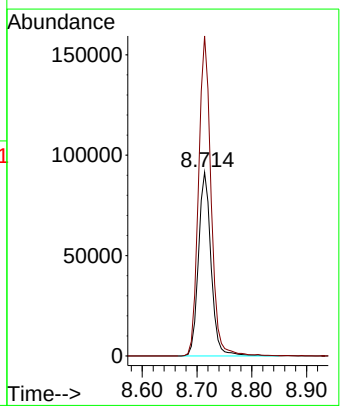


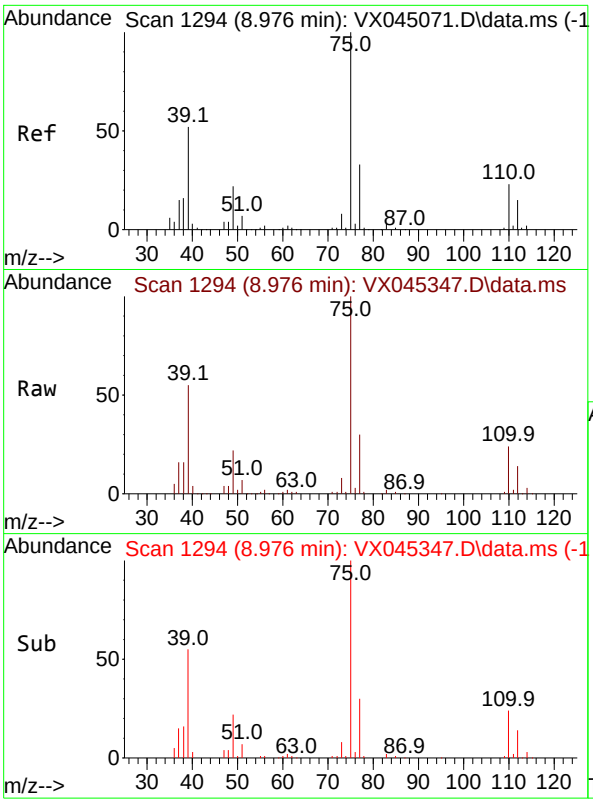


#52
Toluene
Concen: 53.547 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 92 Resp: 146417

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.9	208.3



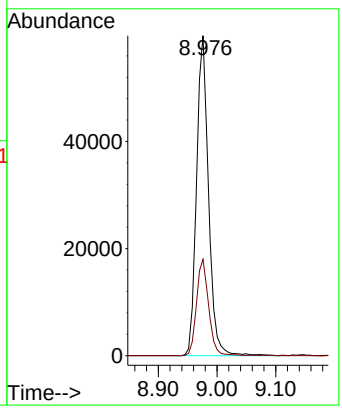


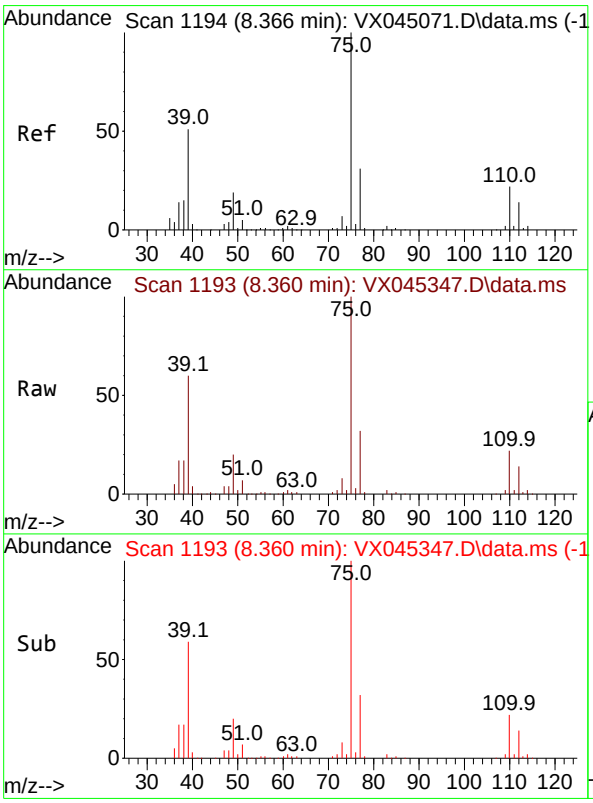
#53
t-1,3-Dichloropropene
Concen: 61.040 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 84772

Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.5	39.7

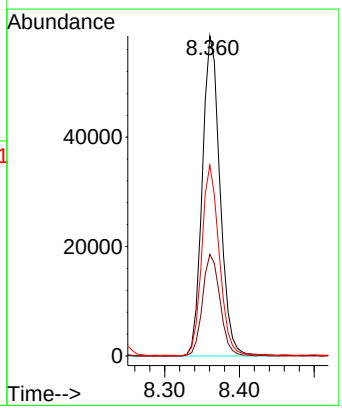


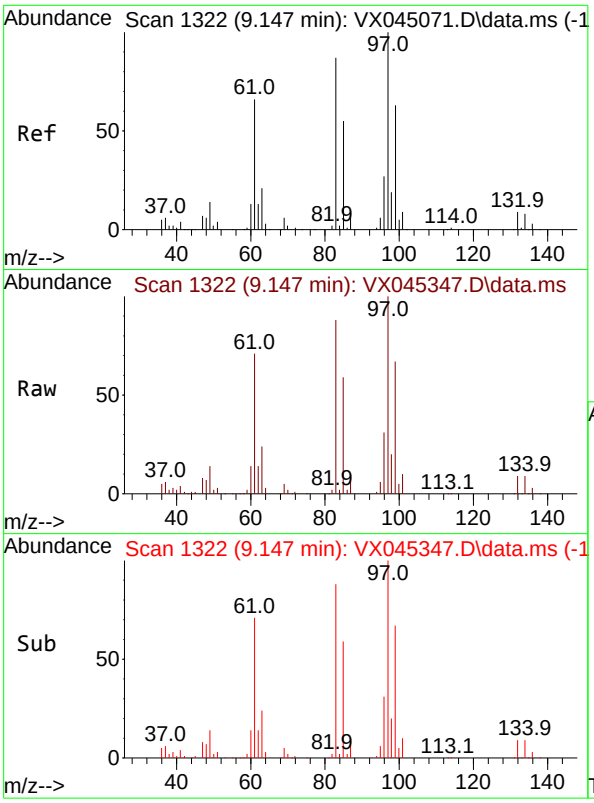


#54
cis-1,3-Dichloropropene
Concen: 59.407 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 96208

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	59.5	40.7	61.1



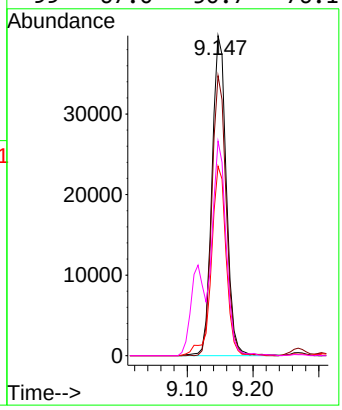


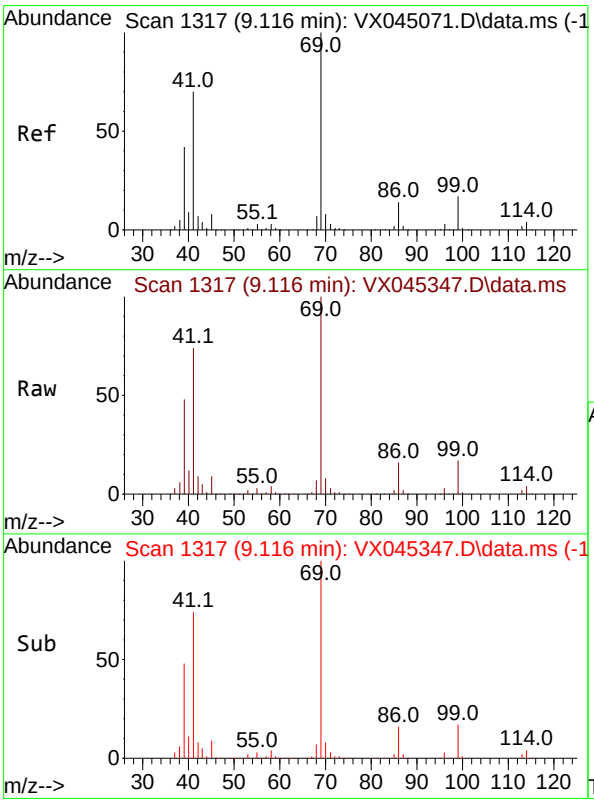
#55
1,1,2-Trichloroethane
Concen: 53.712 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 60462

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.2
85	59.2	44.1	66.1
99	67.0	50.7	76.1

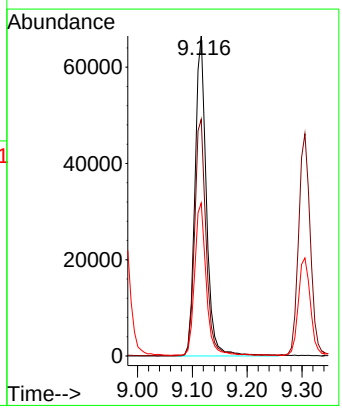


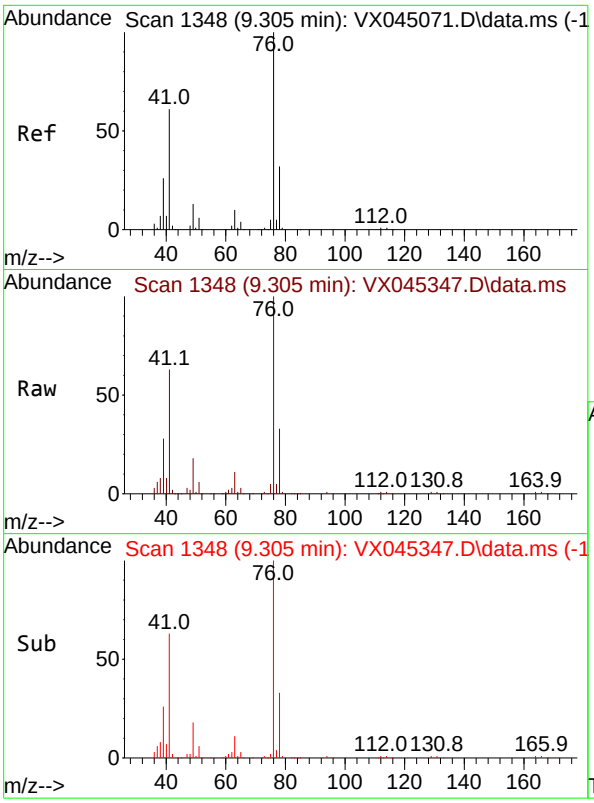


#56
Ethyl methacrylate
Concen: 56.313 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 69 Resp: 96357

Ion	Ratio	Lower	Upper
69	100		
41	74.0	57.0	85.4
39	48.2	34.2	51.4



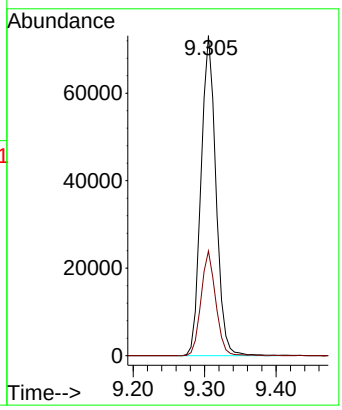


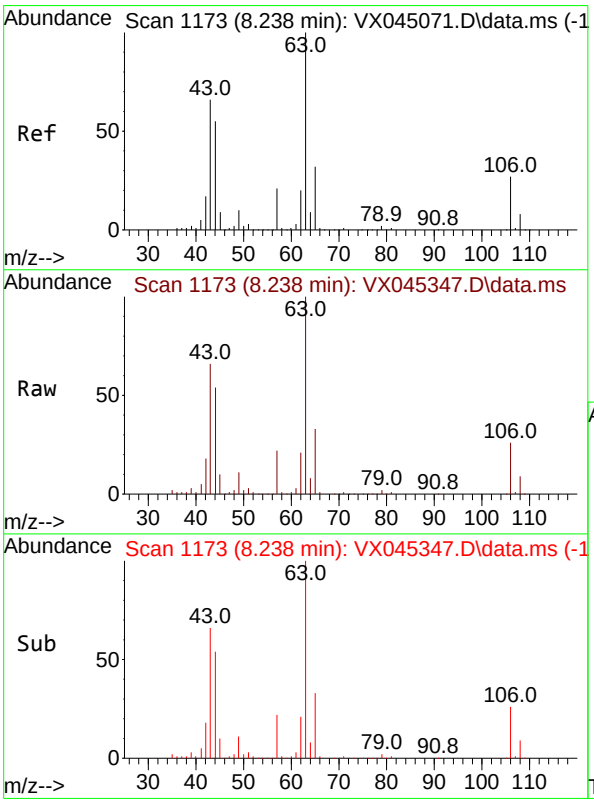
#57
1,3-Dichloropropane
Concen: 54.489 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 106148

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

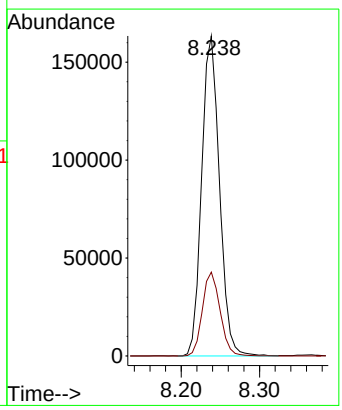


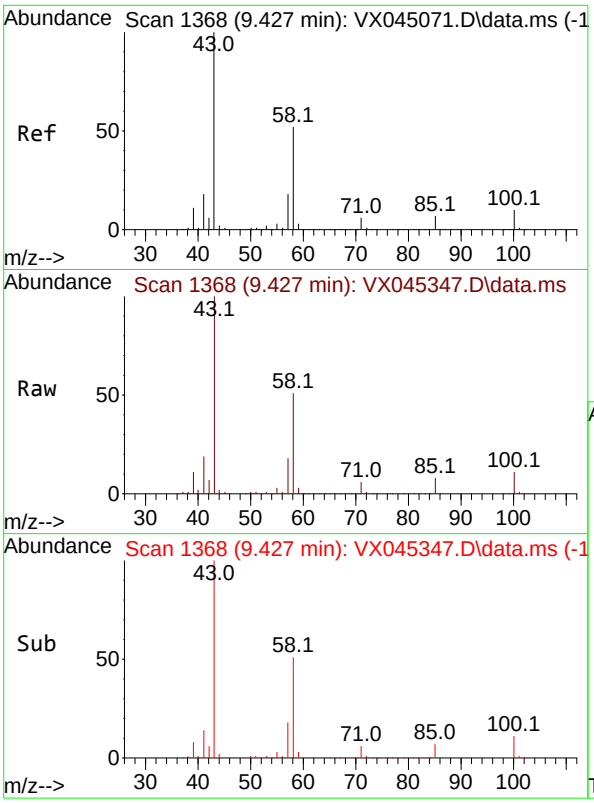


#58
2-Chloroethyl Vinyl ether
Concen: 309.131 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 63 Resp: 258027

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3



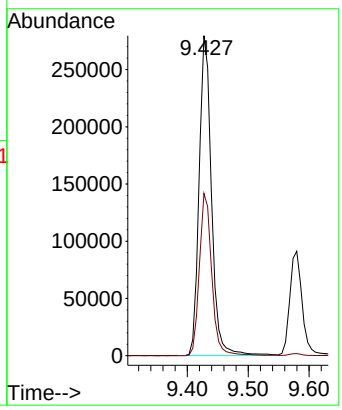


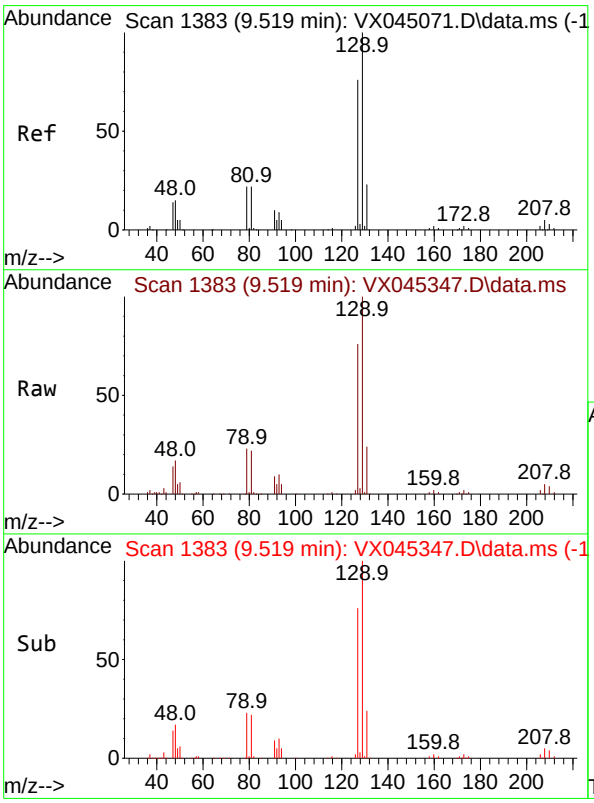
#59
2-Hexanone
Concen: 288.965 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 395325

Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.6

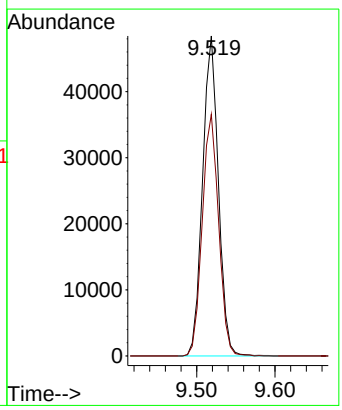


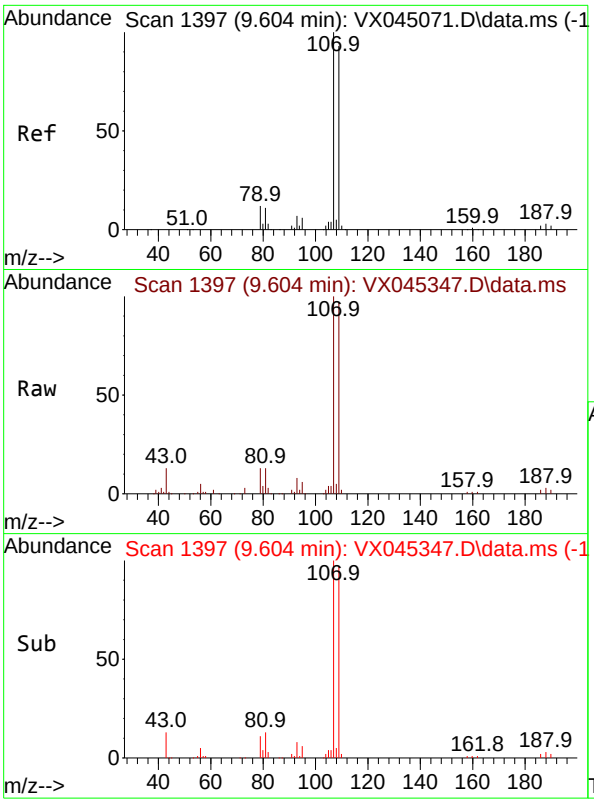


#60
Dibromochloromethane
Concen: 57.543 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:129 Resp: 67728

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.5



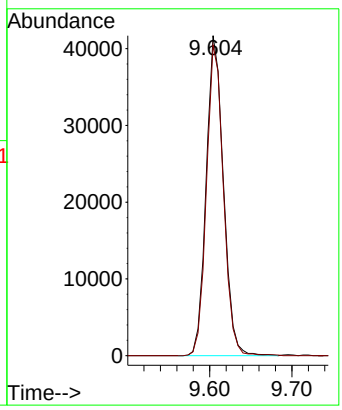


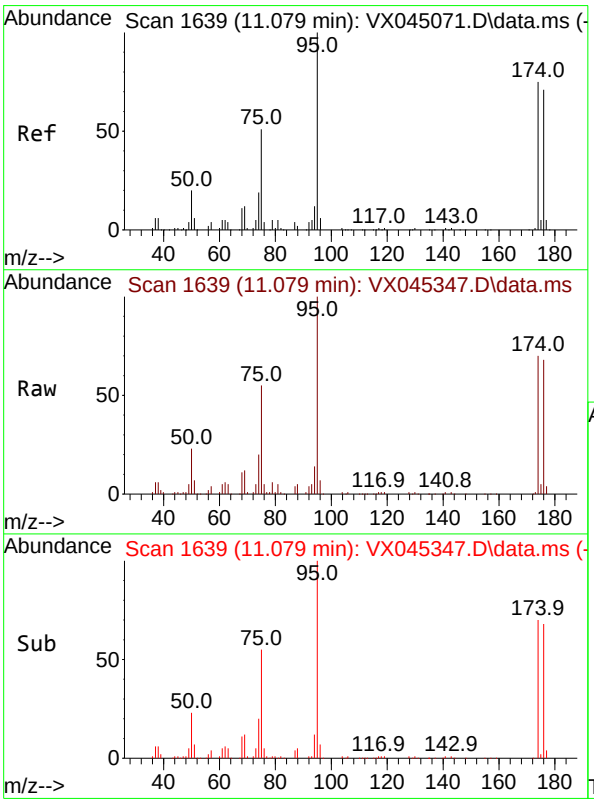
#61
1,2-Dibromoethane
Concen: 54.017 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 60702

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1

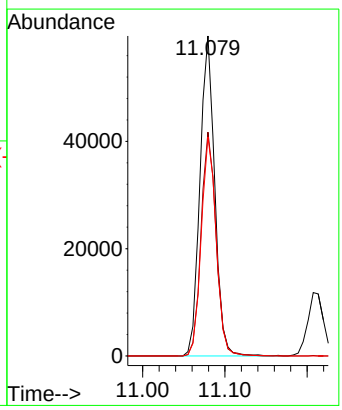


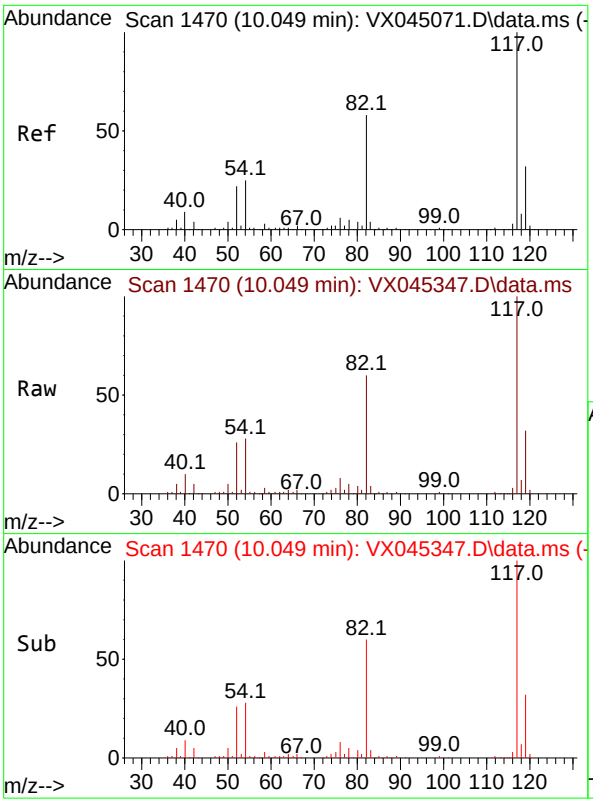


#62
4-Bromofluorobenzene
Concen: 57.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 95 Resp: 74611

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	148.2
176	69.0	0.0	141.4



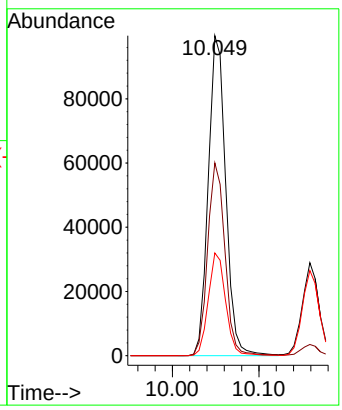


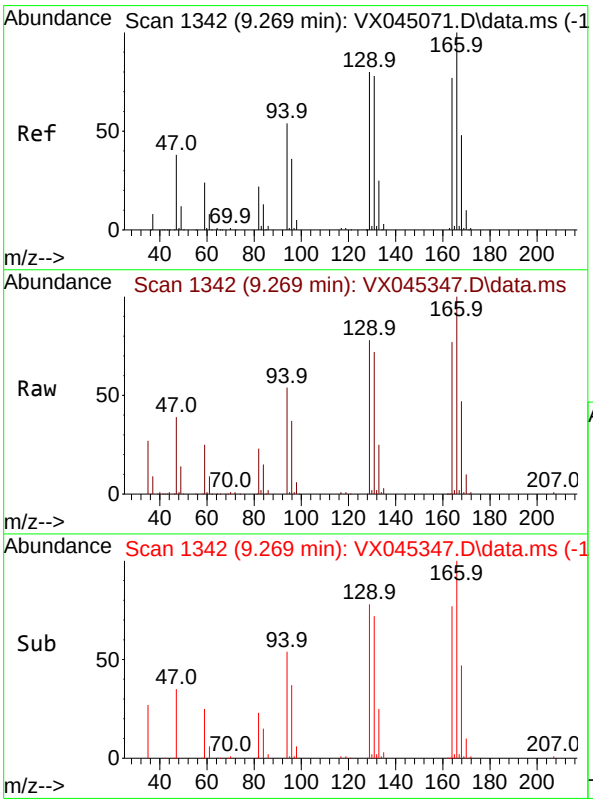
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 139446

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.1	25.7	38.5

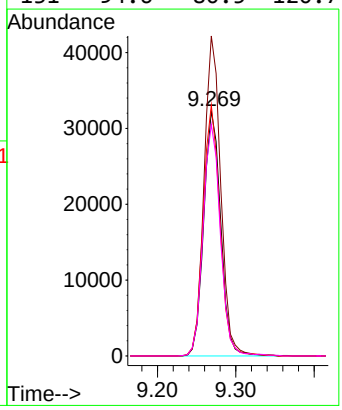


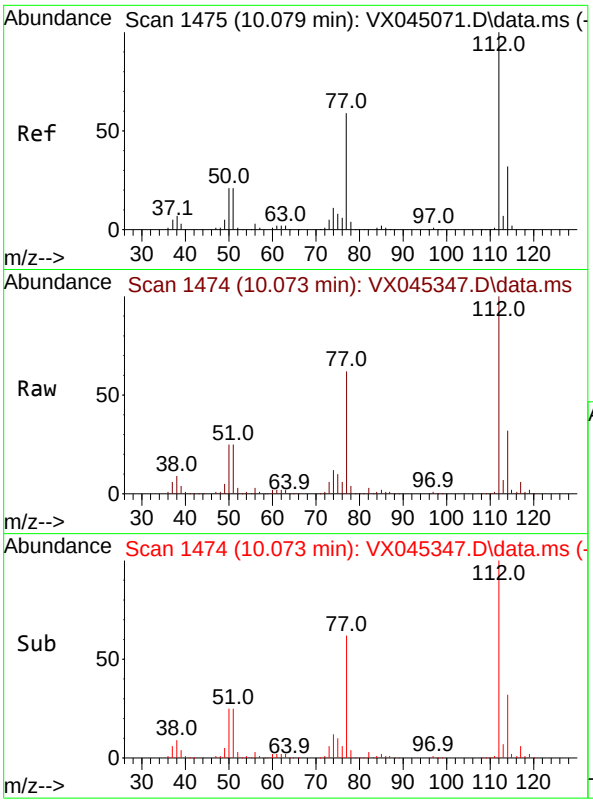


#64
Tetrachloroethene
Concen: 54.416 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:164 Resp: 48599

Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.6	155.4
129	102.5	82.7	124.1
131	94.6	80.5	120.7



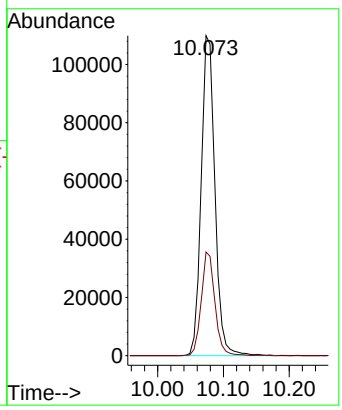


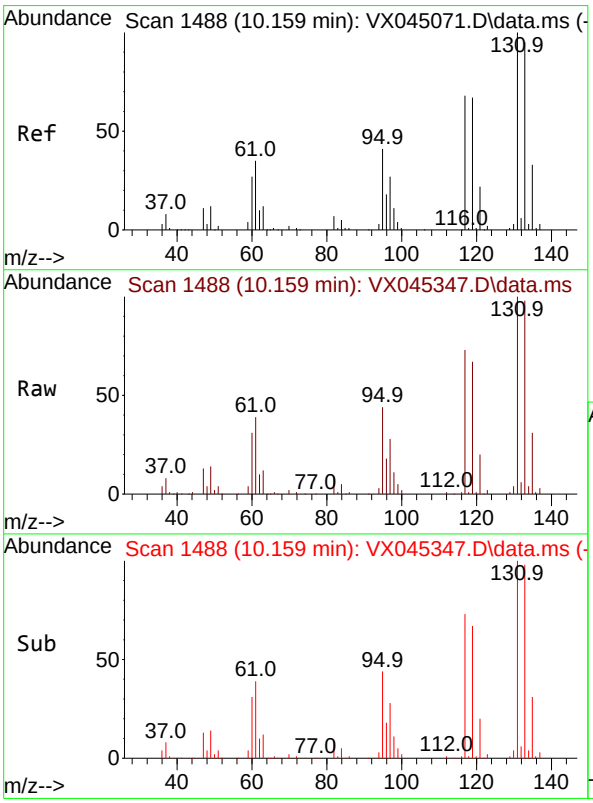
#65
Chlorobenzene
Concen: 54.144 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 159759

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

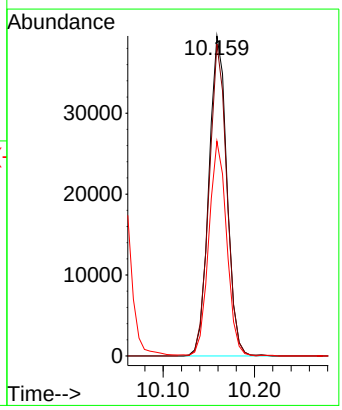


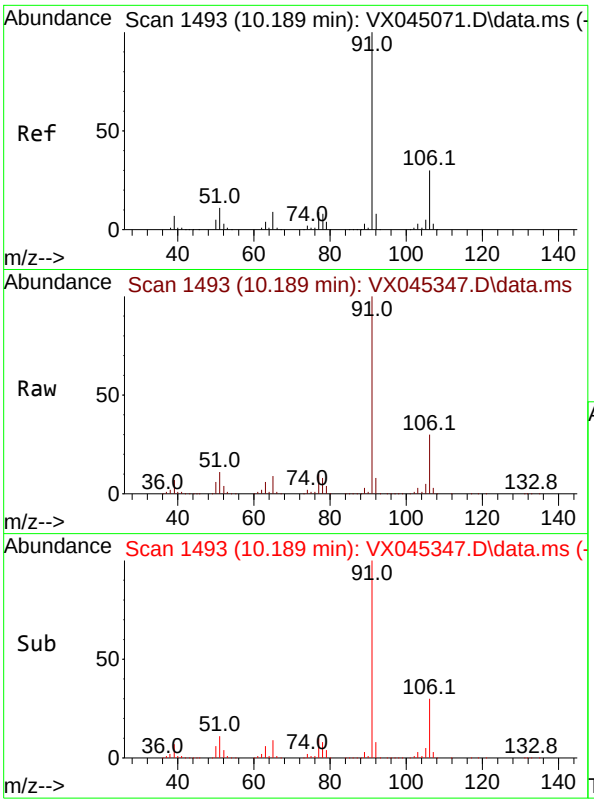


#66
1,1,1,2-Tetrachloroethane
Concen: 54.992 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:131 Resp: 54037

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	66.6	33.9	101.7



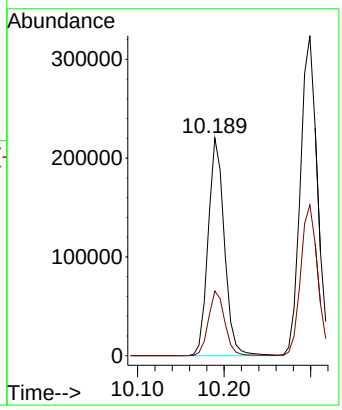


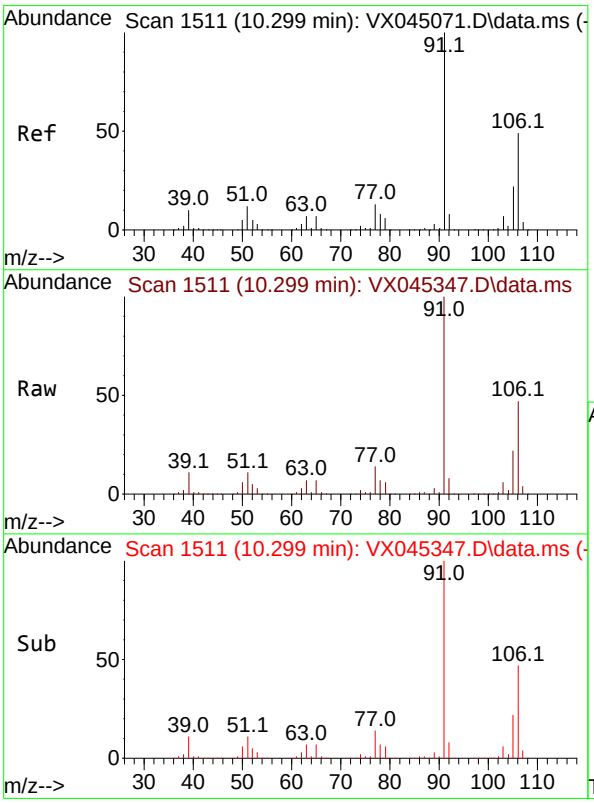
#67
Ethyl Benzene
Concen: 55.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 286365

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

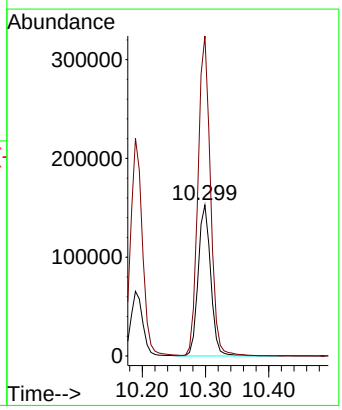


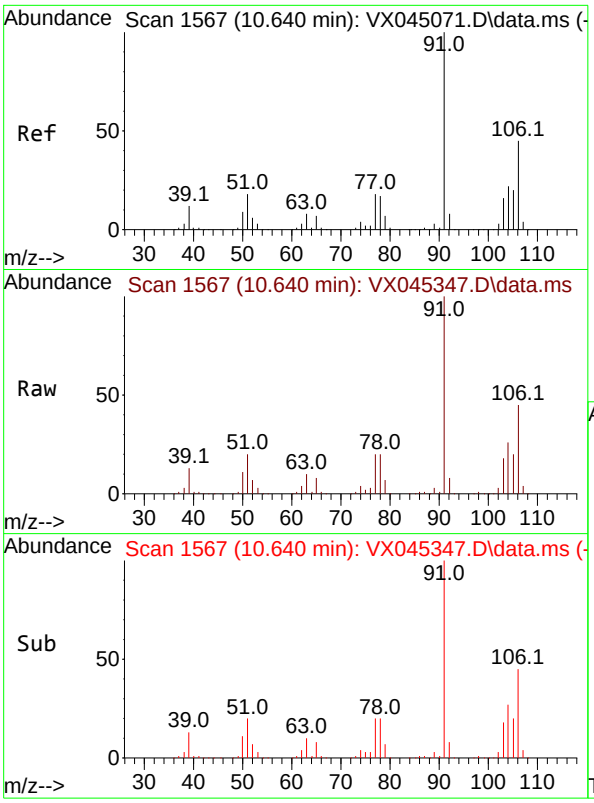


#68
m/p-Xylenes
Concen: 112.126 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:106 Resp: 211033

Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.4	248.0



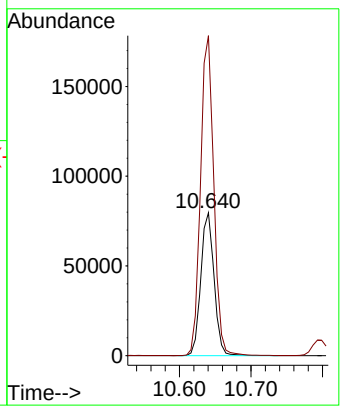


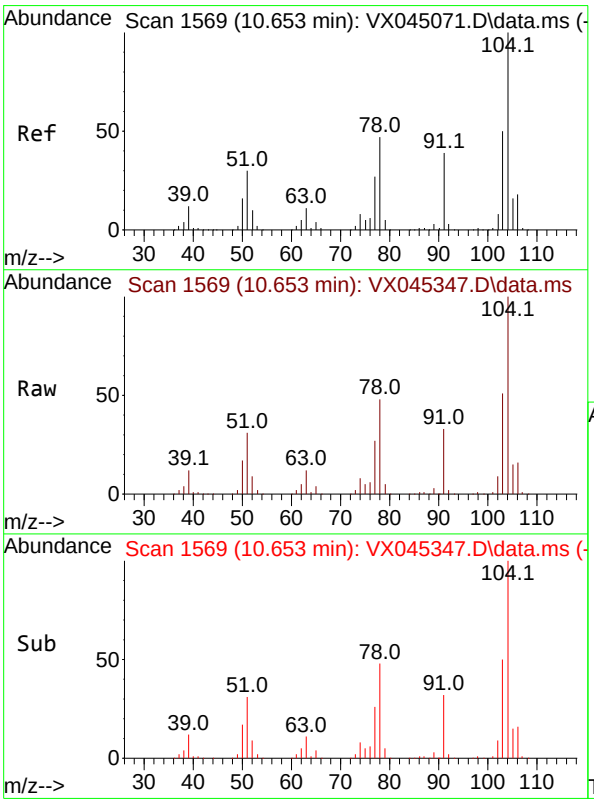
#69
o-Xylene
Concen: 54.073 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 102643

Ion	Ratio	Lower	Upper
106	100		
91	224.0	109.9	329.6

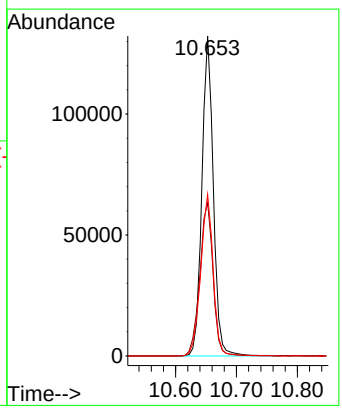


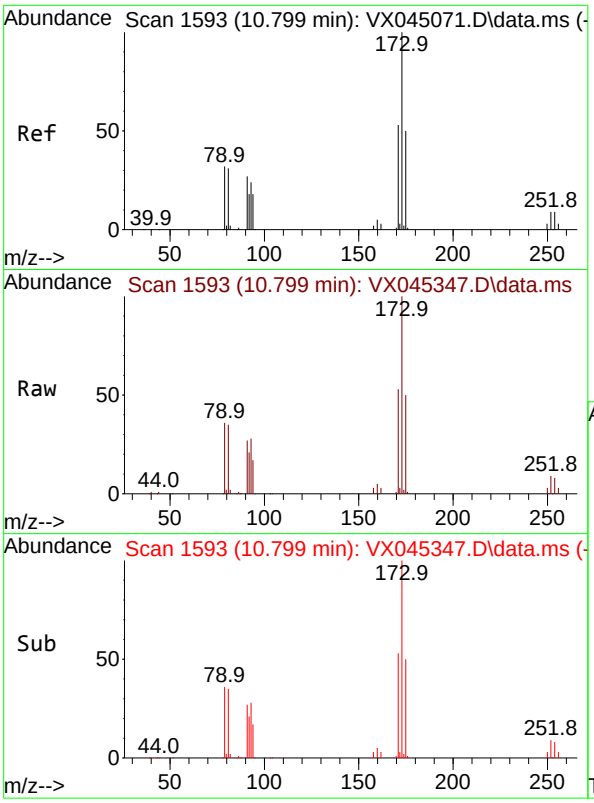


#70
Styrene
Concen: 56.462 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:104 Resp: 173421

Ion	Ratio	Lower	Upper
104	100		
78	55.3	42.2	63.4
103	55.3	43.8	65.8



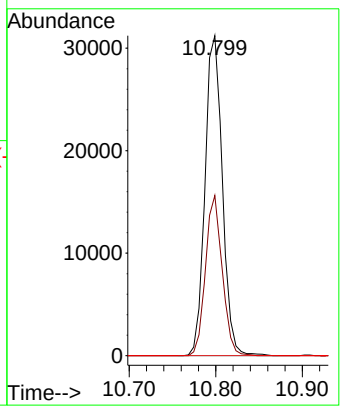


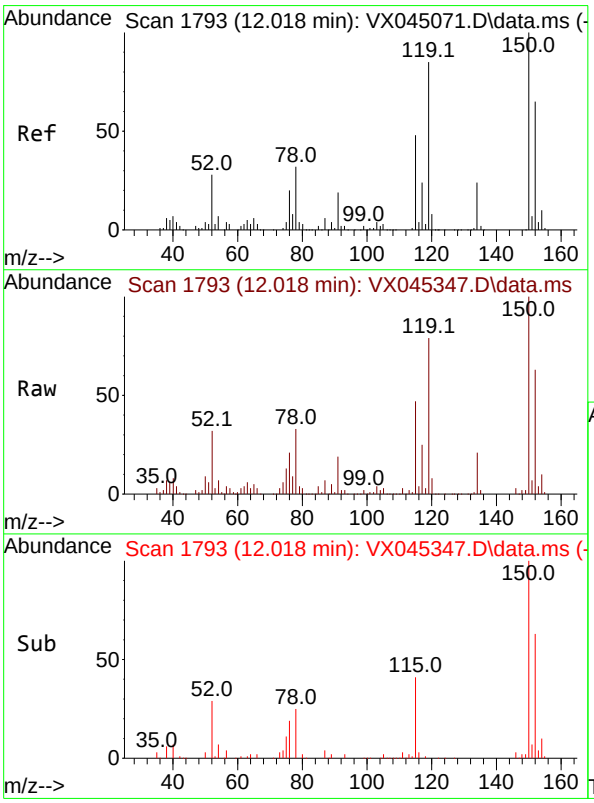
#71
Bromoform
Concen: 58.610 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43429

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0

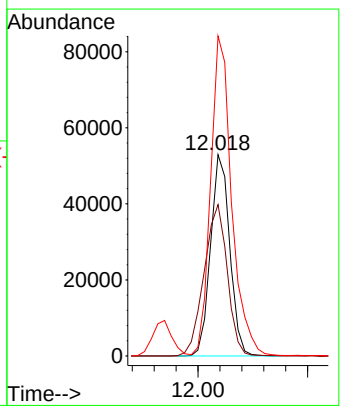


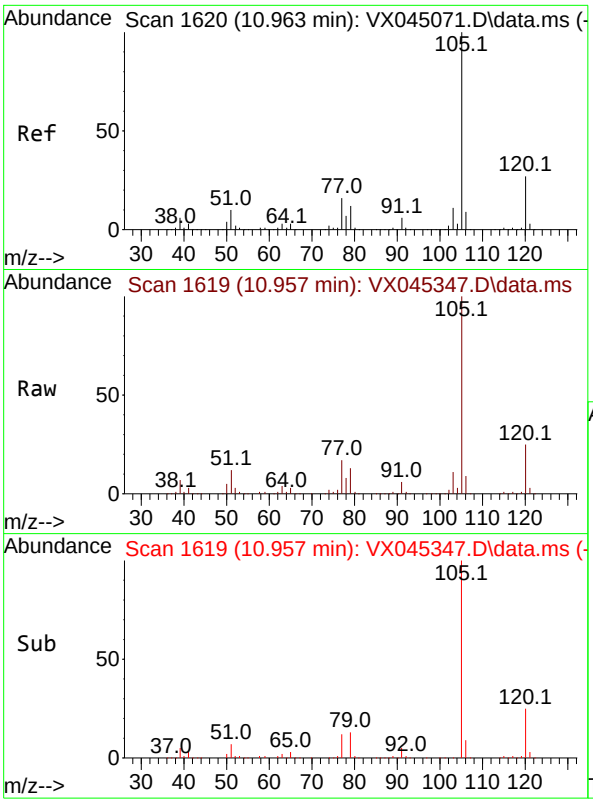


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:152 Resp: 64140

Ion	Ratio	Lower	Upper
152	100		
115	91.4	44.2	132.6
150	174.8	0.0	349.0



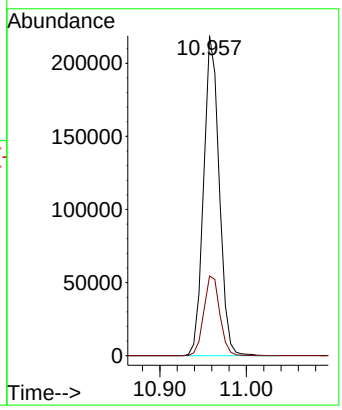


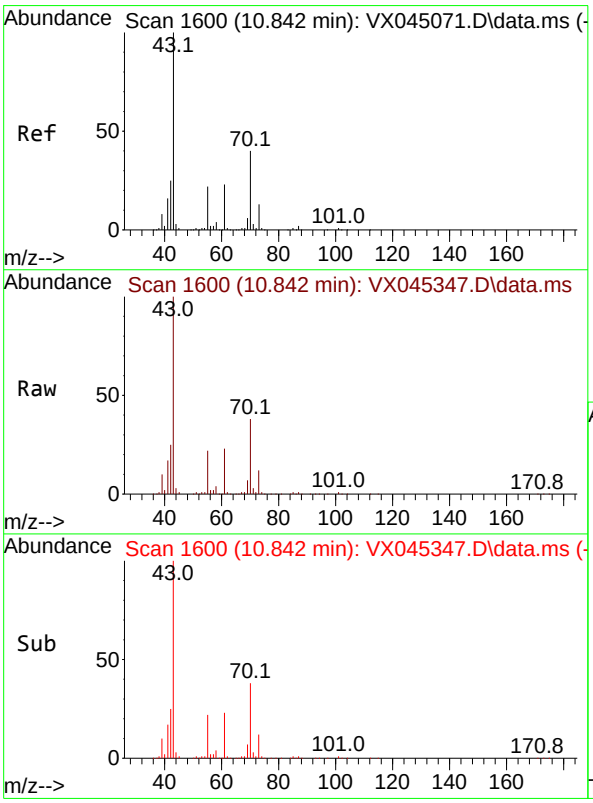
#73
Isopropylbenzene
Concen: 54.526 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 272973

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

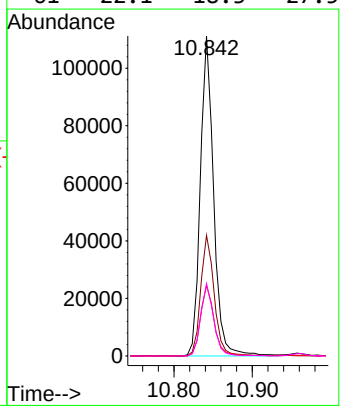


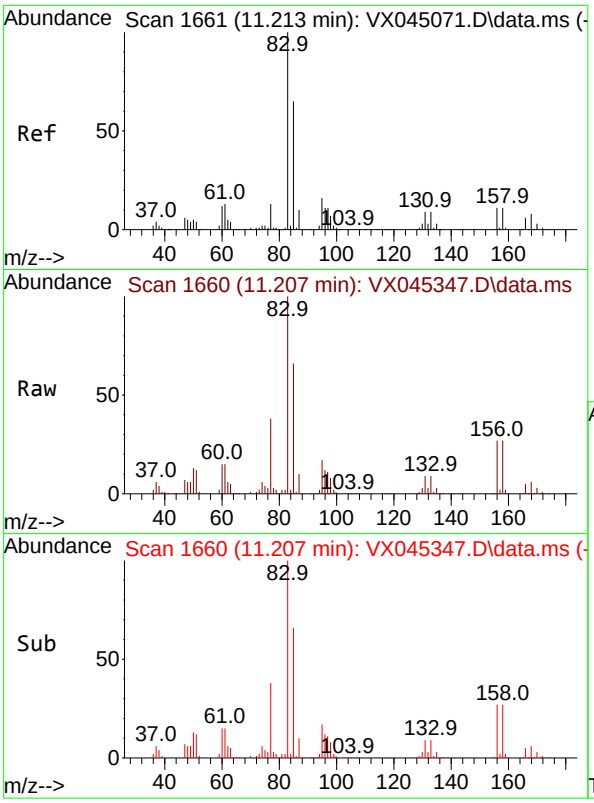


#74
N-amyl acetate
Concen: 55.907 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 43 Resp: 131333

Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.8	47.6
55	22.7	18.3	27.5
61	22.1	18.3	27.5



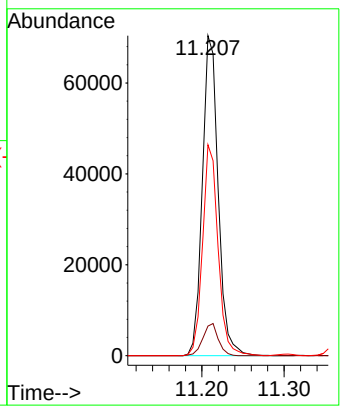


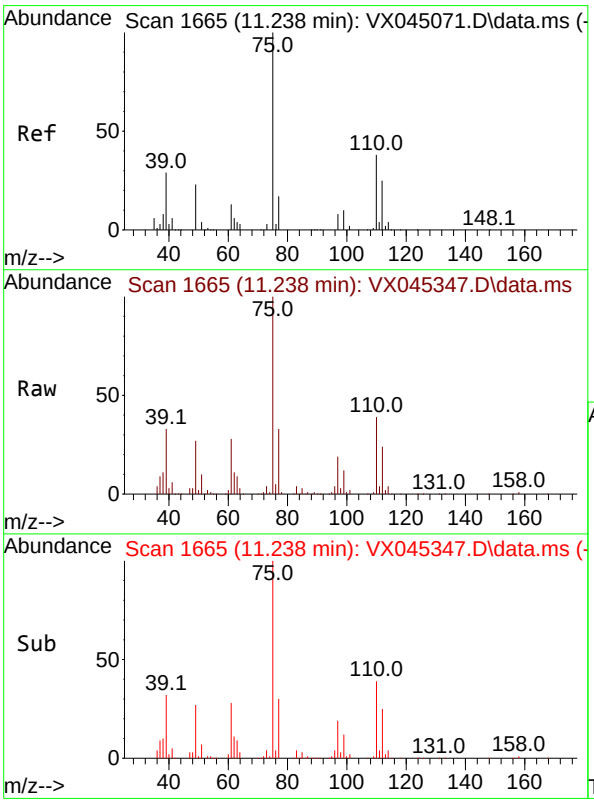
#75
1,1,2,2-Tetrachloroethane
Concen: 51.164 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 93995

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	64.6	31.7	95.1

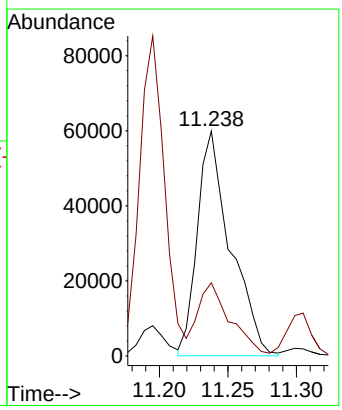


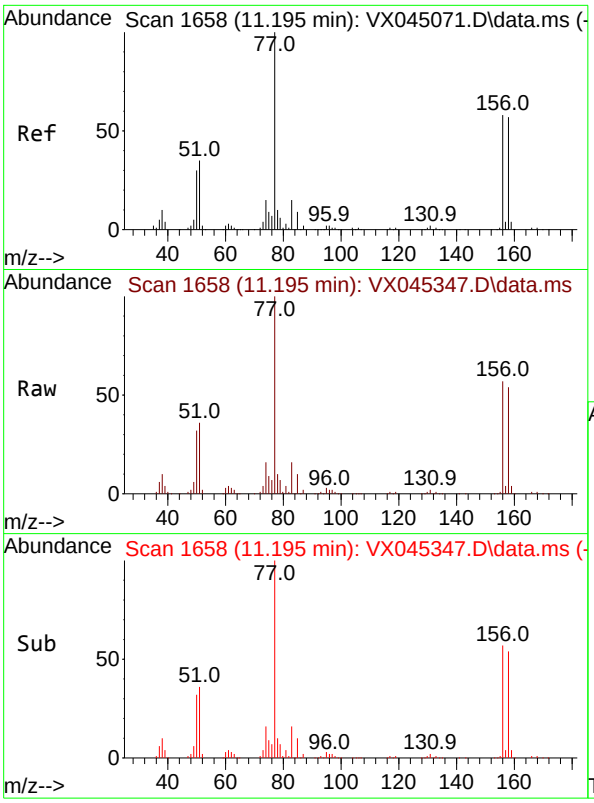


#76
1,2,3-Trichloropropane
Concen: 67.712 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 101085

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.7	62.1



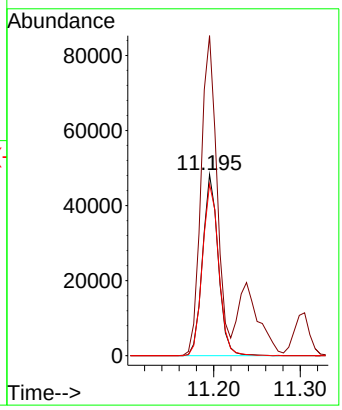


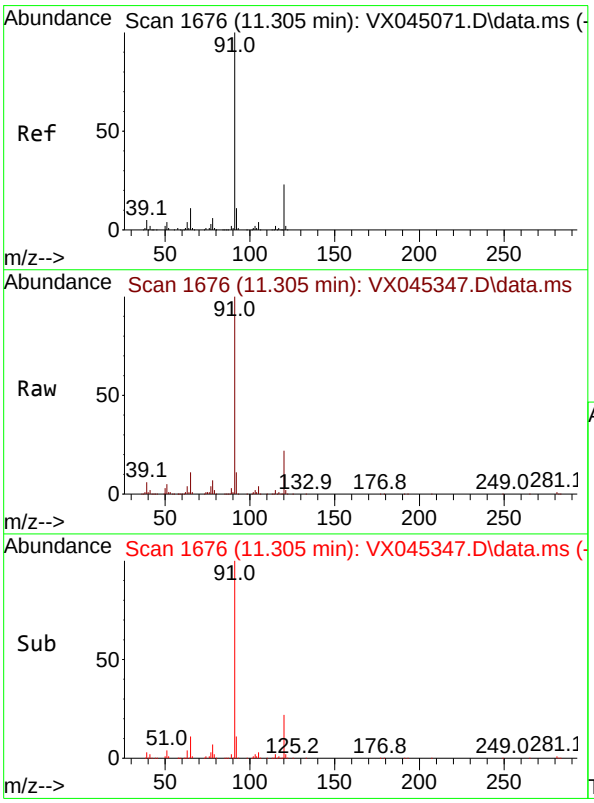
#77
Bromobenzene
Concen: 51.283 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 60575

Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	98.5	48.4	145.2

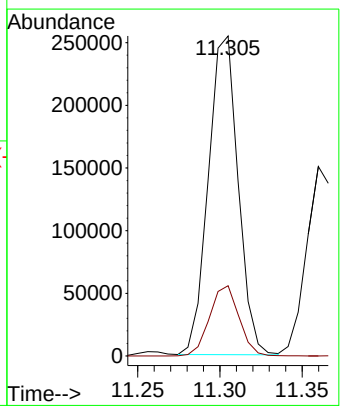


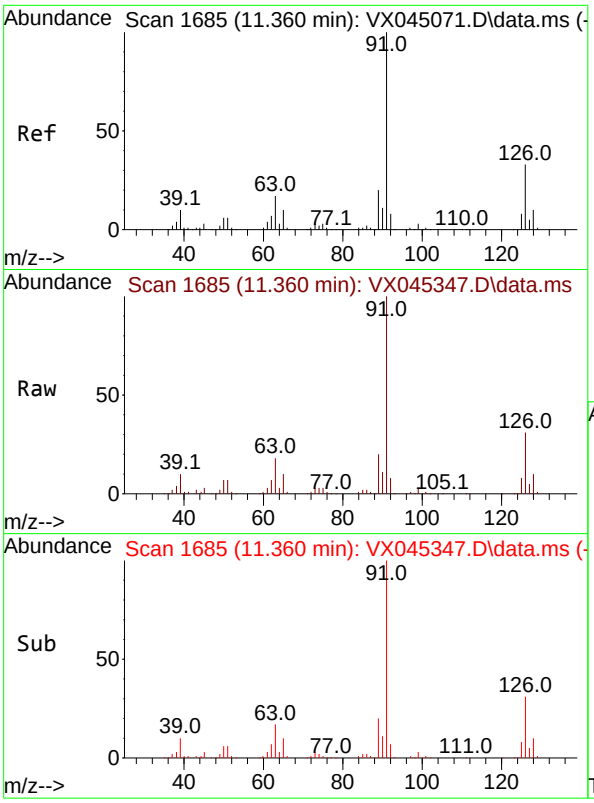


#78
n-propylbenzene
Concen: 56.710 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 320714

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



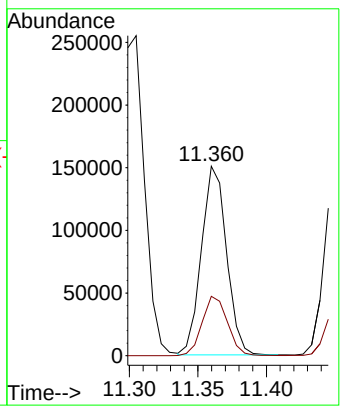


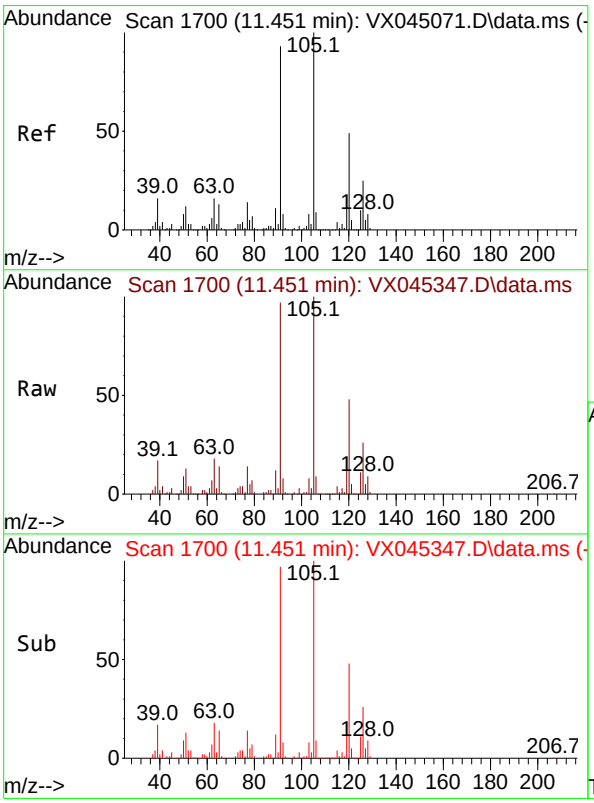
#79
2-Chlorotoluene
Concen: 53.424 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 192413

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4

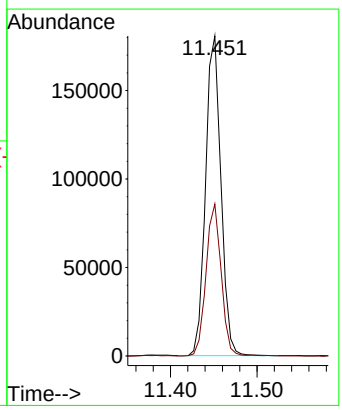


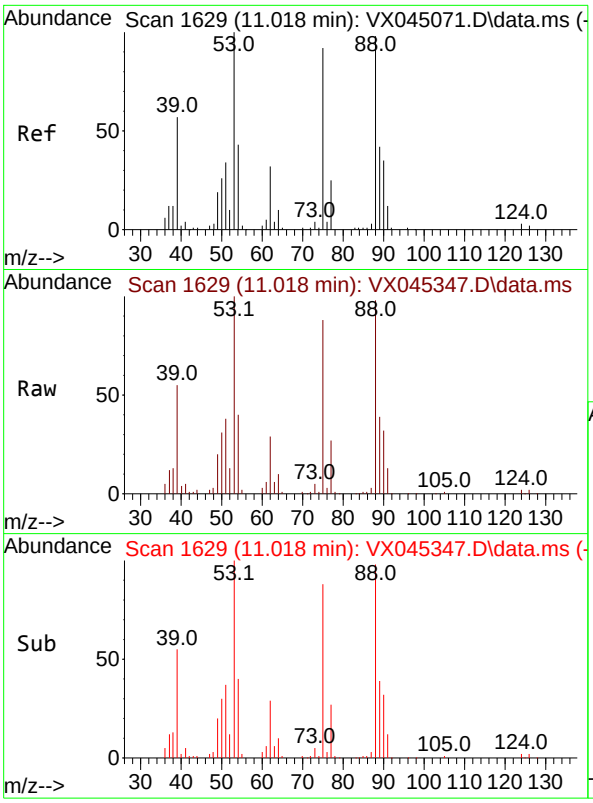


#80
1,3,5-Trimethylbenzene
Concen: 55.029 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 222755

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



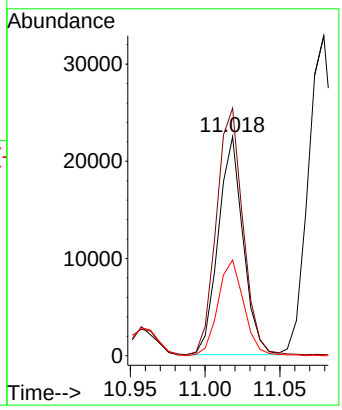


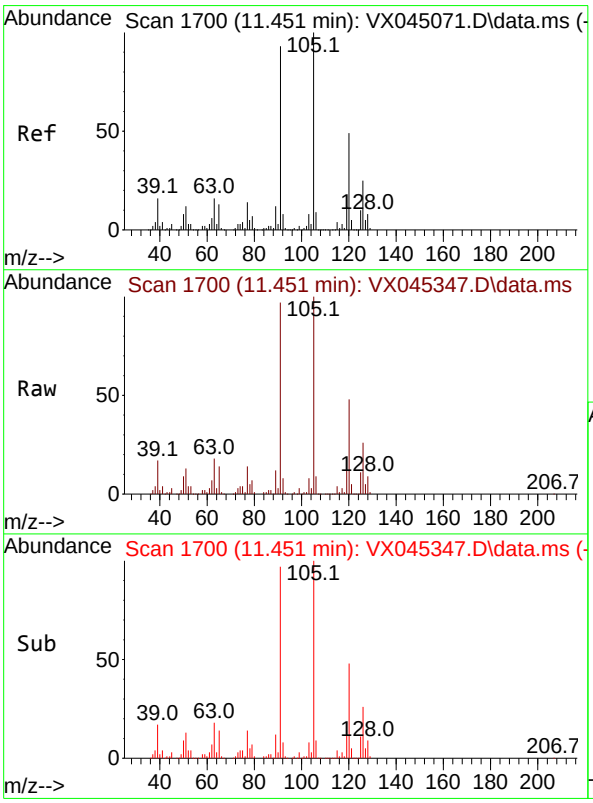
#81
trans-1,4-Dichloro-2-butene
Concen: 59.413 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 25918

Ion	Ratio	Lower	Upper
75	100		
53	122.1	88.5	132.7
89	45.9	36.2	54.4

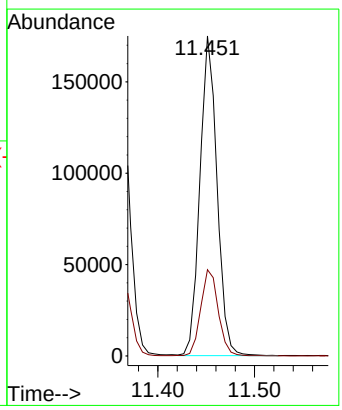


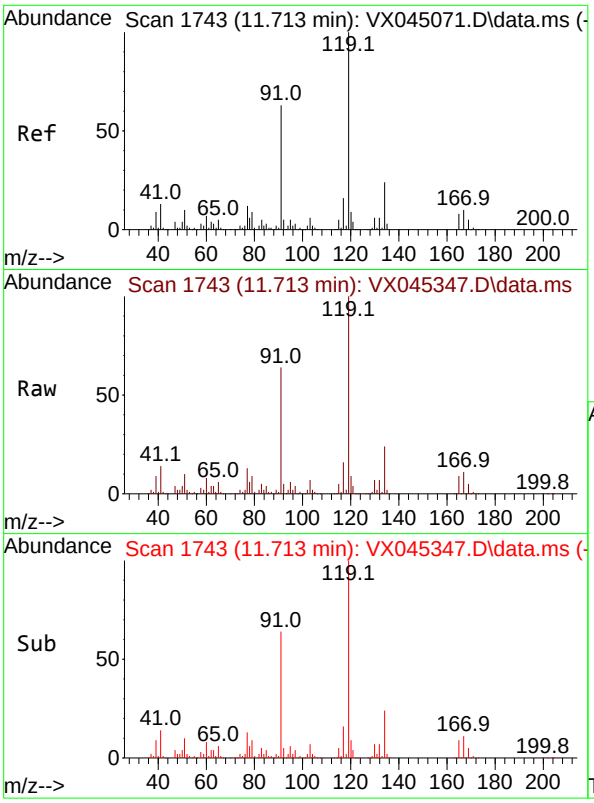


#82
4-Chlorotoluene
Concen: 54.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 91 Resp: 215413

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



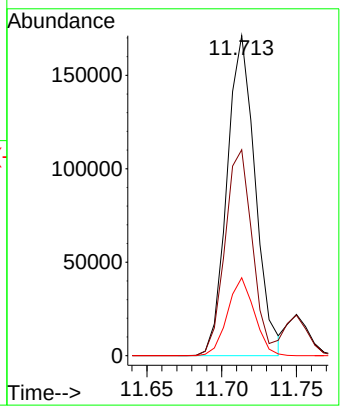


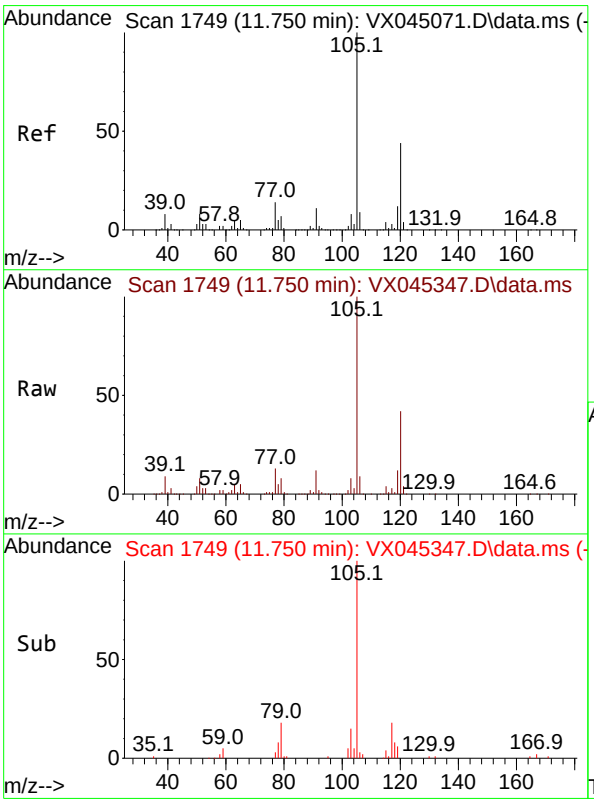
#83
tert-Butylbenzene
Concen: 53.959 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 224427

Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	23.2	11.7	35.0

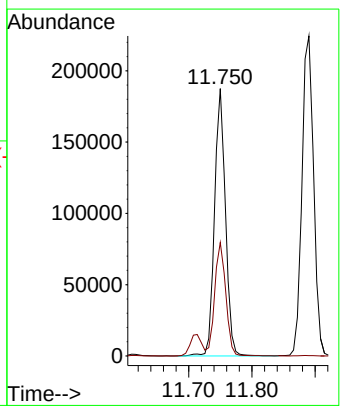


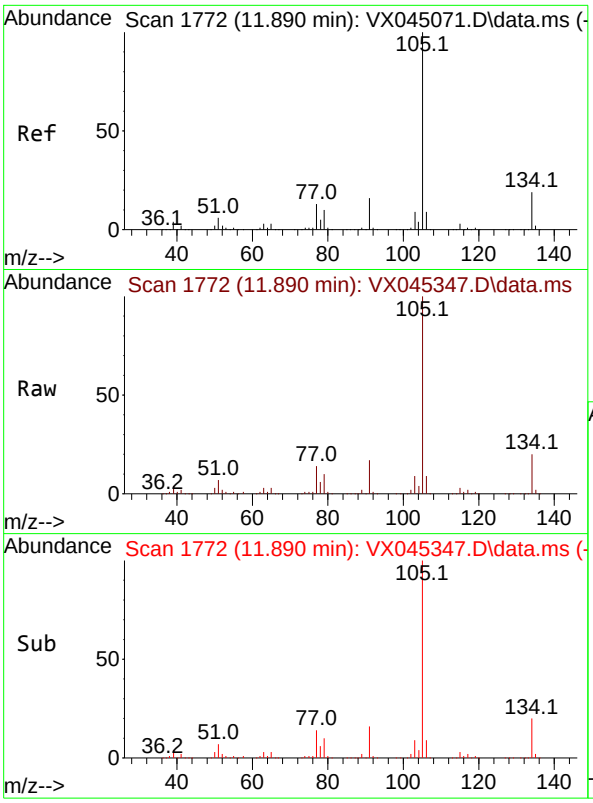


#84
1,2,4-Trimethylbenzene
Concen: 55.202 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:105 Resp: 224842

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1



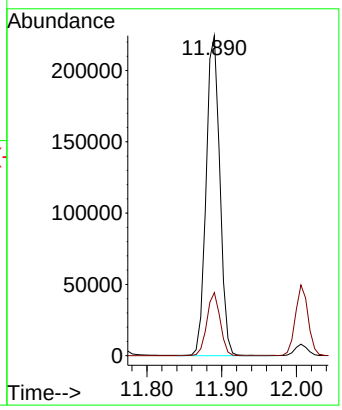


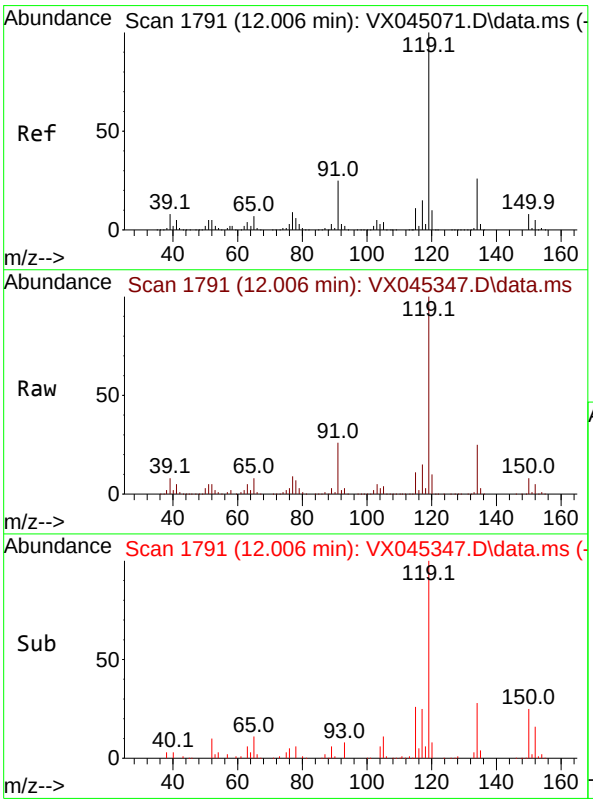
#85
sec-Butylbenzene
Concen: 57.320 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 285577

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

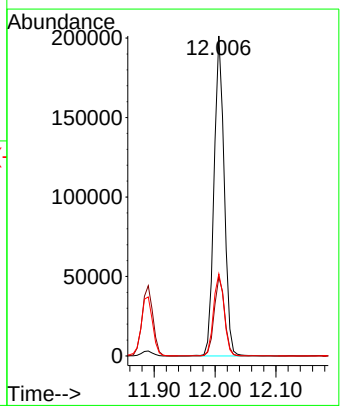


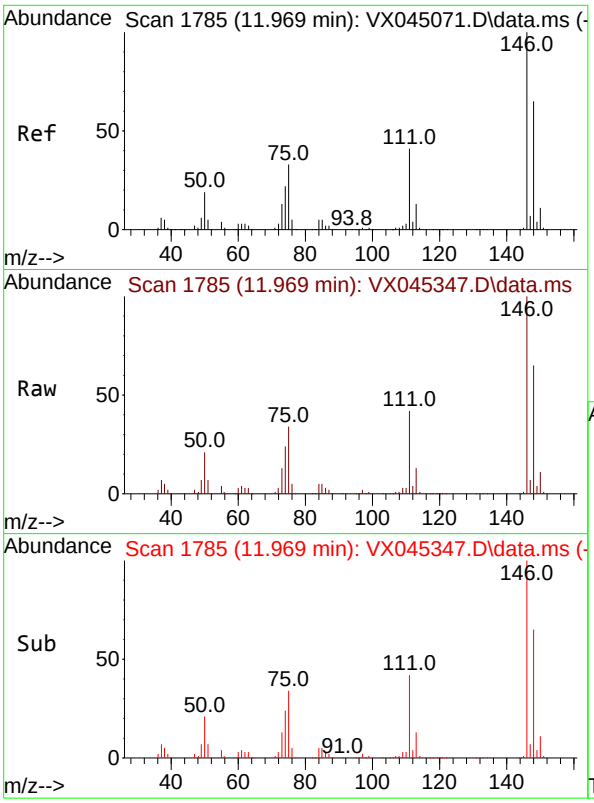


#86
p-Isopropyltoluene
Concen: 57.707 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:119 Resp: 232345

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.7	12.7	38.0



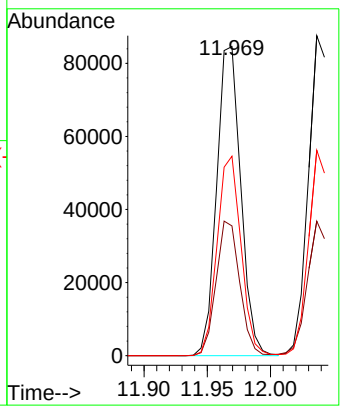


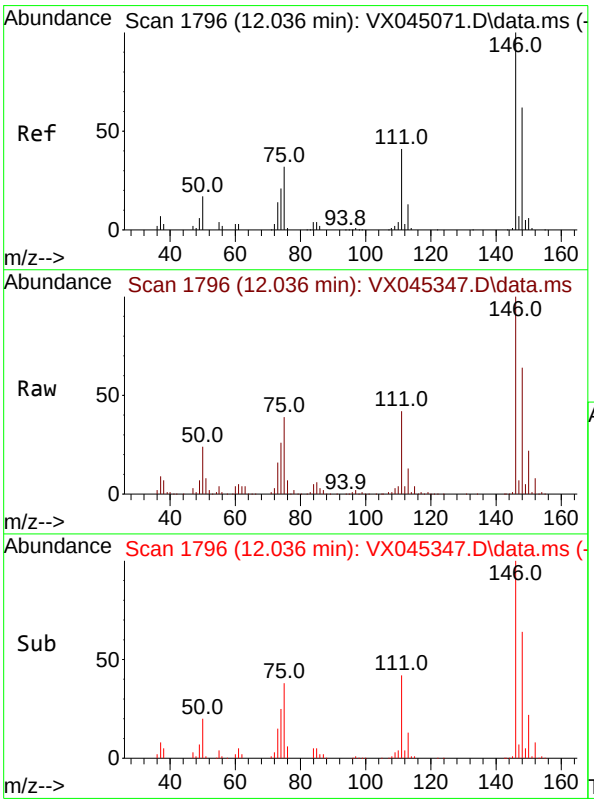
#87
1,3-Dichlorobenzene
Concen: 53.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 112042

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.1	31.9	95.7

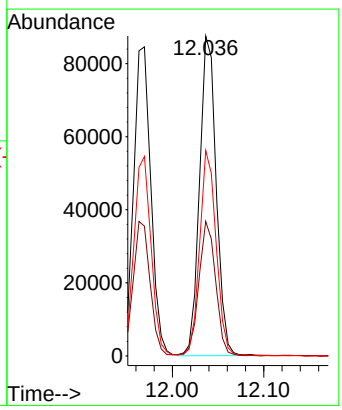


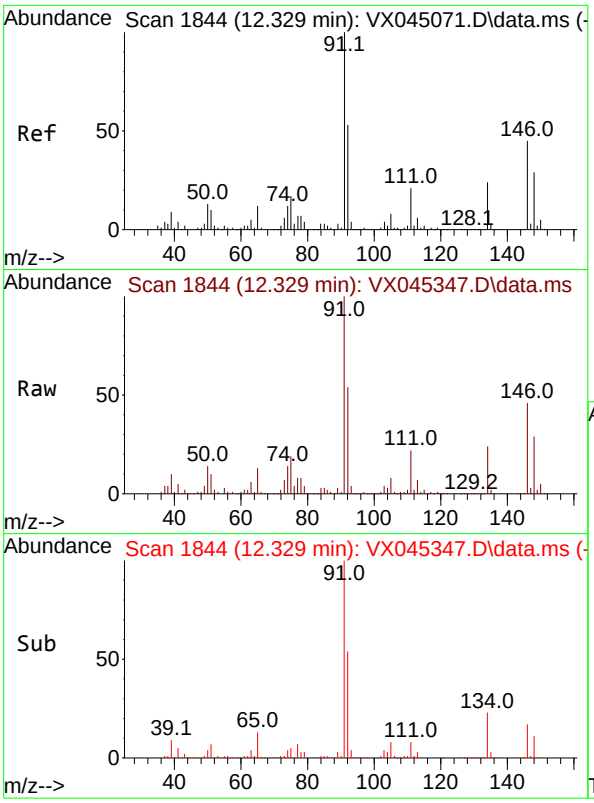


#88
1,4-Dichlorobenzene
Concen: 51.865 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:146 Resp: 110569

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.2	60.5
148	63.6	31.9	95.9



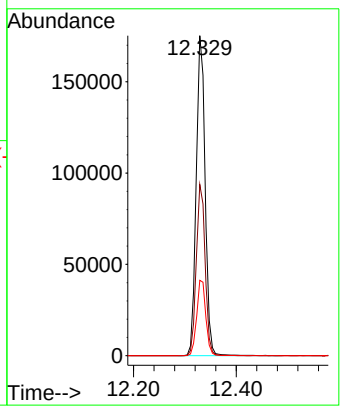


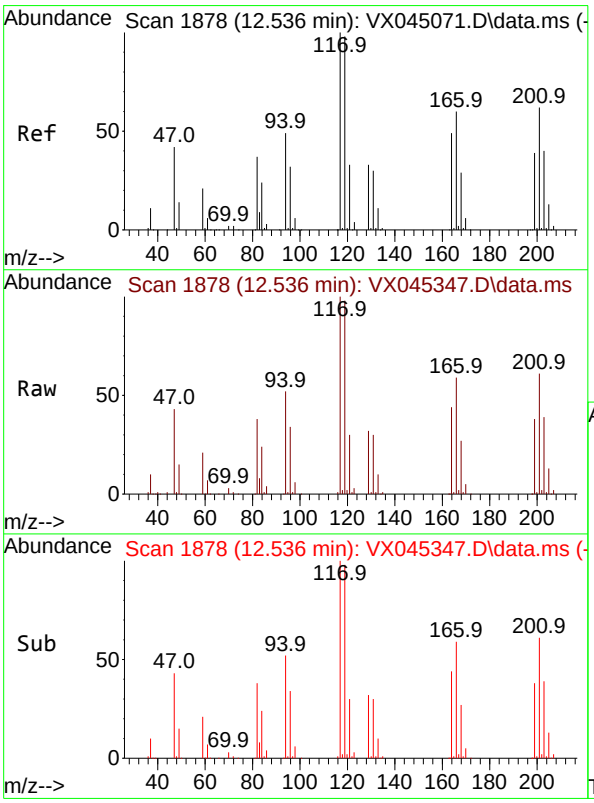
#89
n-Butylbenzene
Concen: 61.041 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 211674

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.1	12.2	36.6

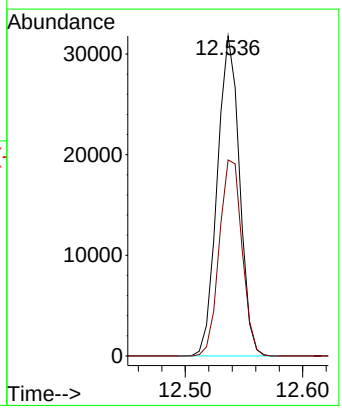


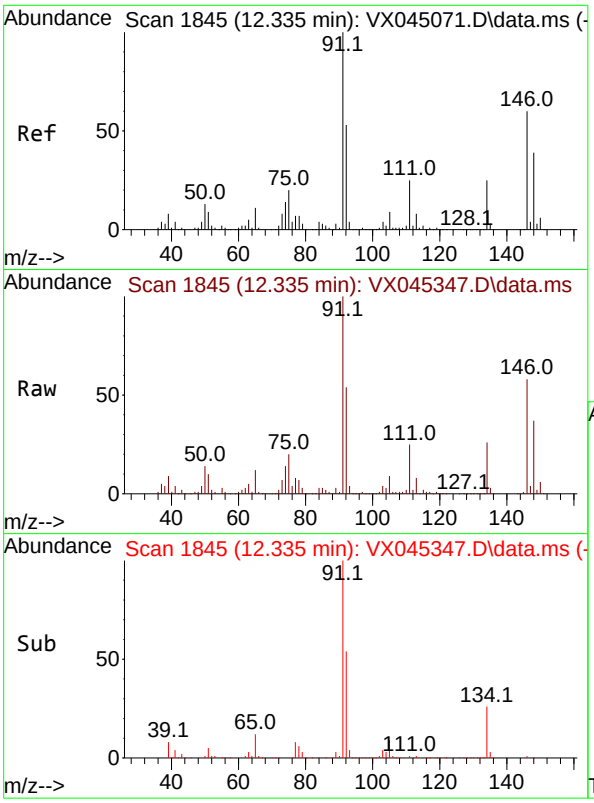


#90
Hexachloroethane
Concen: 57.380 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:117 Resp: 41788

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9



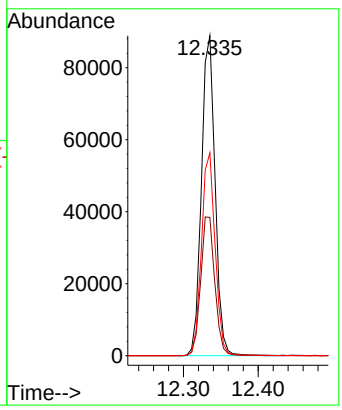


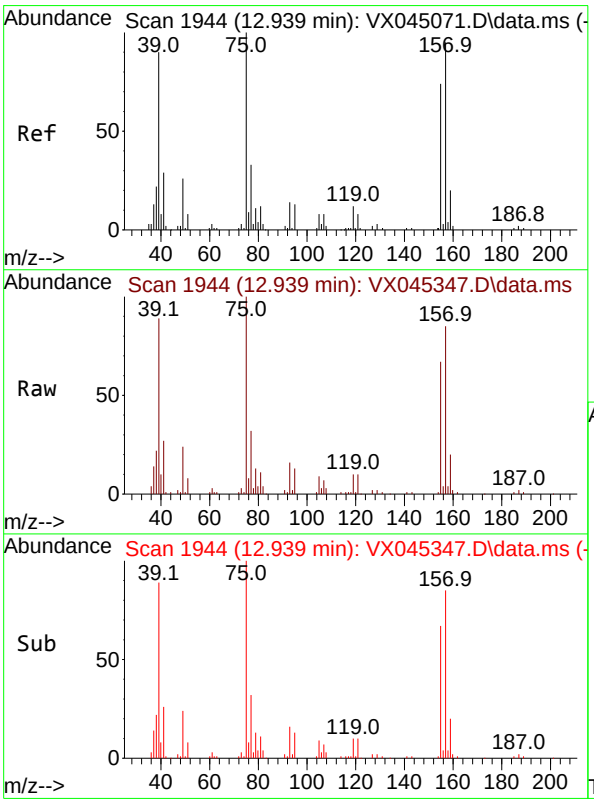
#91
1,2-Dichlorobenzene
Concen: 53.282 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 112628

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.3	31.9	95.9

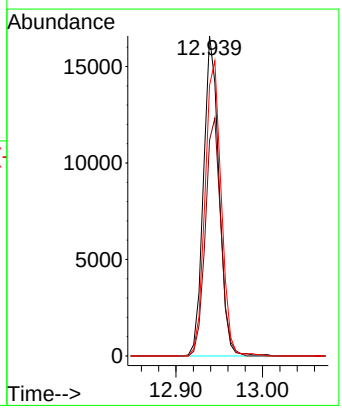


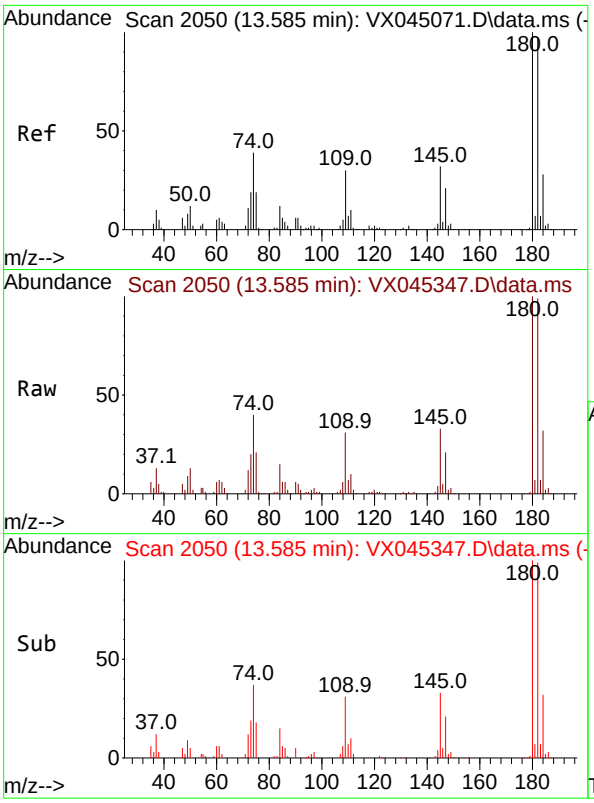


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.585 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	74.5	39.6	118.7
157	96.4	51.1	153.4



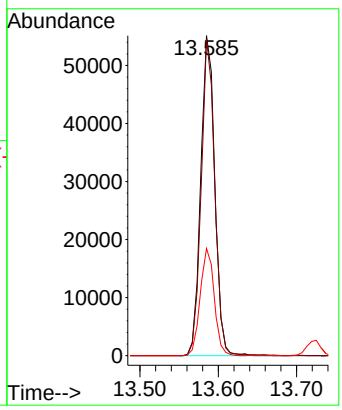


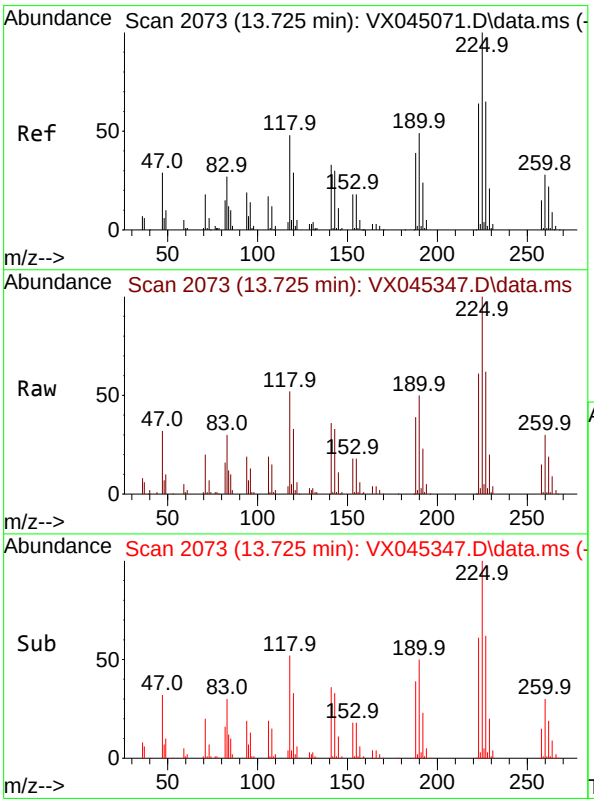
#93
1,2,4-Trichlorobenzene
Concen: 57.116 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 68746

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.4	16.3	48.9

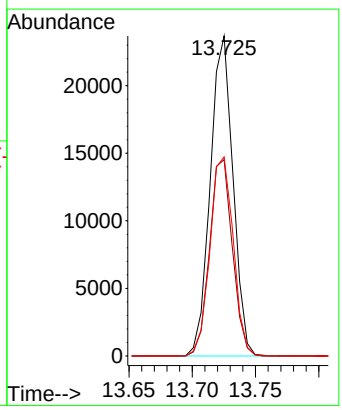


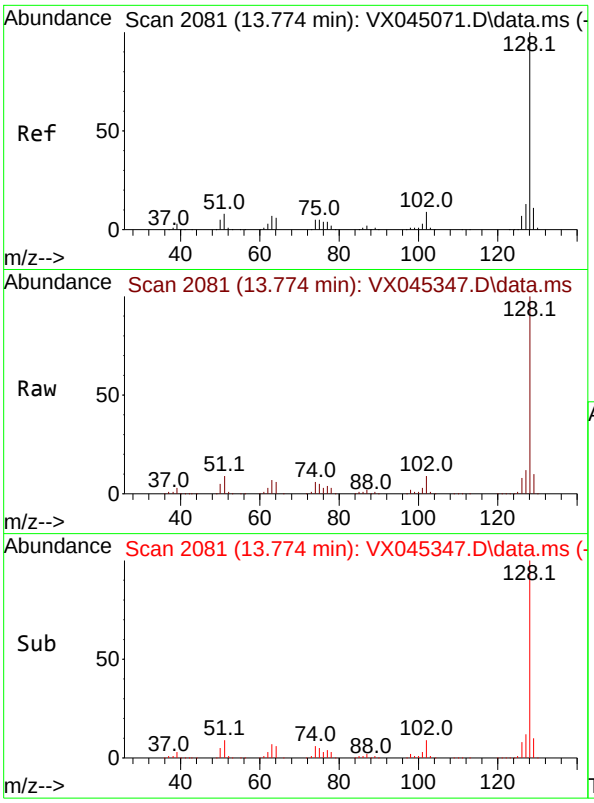


#94
Hexachlorobutadiene
Concen: 59.832 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:225 Resp: 29525

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	63.8	31.4	94.0



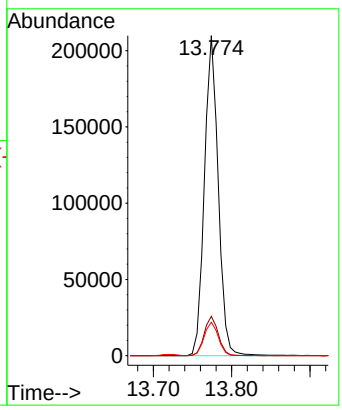


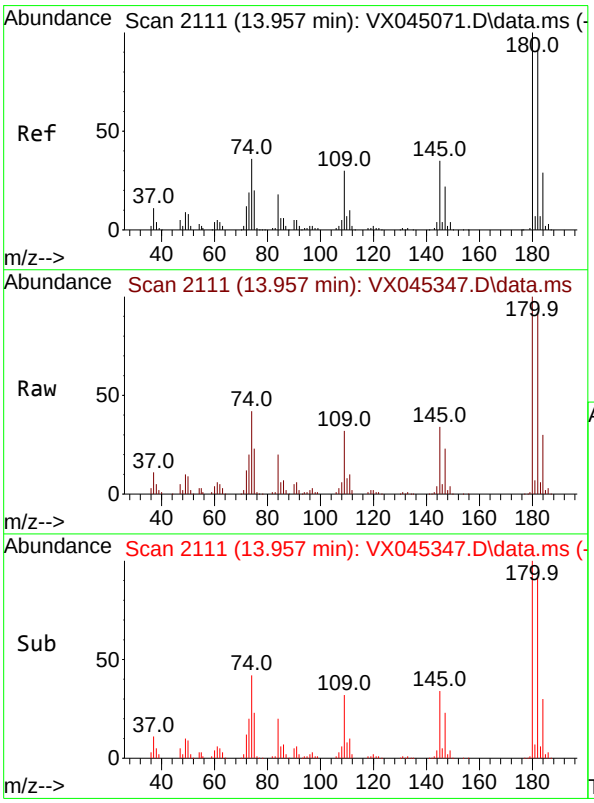
#95
Naphthalene
Concen: 55.368 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 256043

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

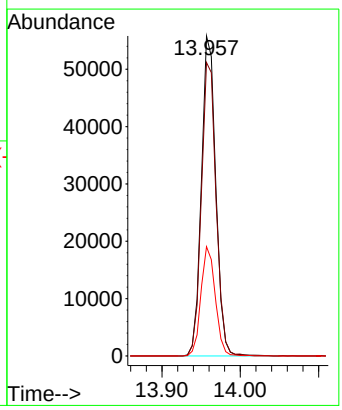




#96
1,2,3-Trichlorobenzene
Concen: 55.945 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045347.D
Acq: 20 Mar 2025 09:38

Tgt Ion:180 Resp: 71037

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	94337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84826	56.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	5.379	113	61688	54.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	8.647	98	217551	53.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.540%			
62) 4-Bromofluorobenzene	11.079	95	75333	55.661	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21766	18.330	ug/l	96
3) Chloromethane	1.307	50	24700	16.997	ug/l	99
4) Vinyl Chloride	1.374	62	23778	16.494	ug/l	99
5) Bromomethane	1.593	94	10806	19.068	ug/l	97
6) Chloroethane	1.666	64	13543	20.367	ug/l	96
7) Trichlorofluoromethane	1.874	101	36454	19.102	ug/l	98
8) Diethyl Ether	2.130	74	12684	16.992	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23673	21.591	ug/l	98
10) Methyl Iodide	2.441	142	26414	19.277	ug/l	96
11) Tert butyl alcohol	2.983	59	23416	82.384	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21823	18.826	ug/l	94
13) Acrolein	2.233	56	17293	52.632	ug/l	97
14) Allyl chloride	2.654	41	41884	20.298	ug/l	96
15) Acrylonitrile	3.062	53	80049	105.082	ug/l	99
16) Acetone	2.386	43	71160	102.209	ug/l	98
17) Carbon Disulfide	2.502	76	46834	15.169	ug/l	98
18) Methyl Acetate	2.703	43	44122	26.343	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	79261	20.380	ug/l	96
20) Methylene Chloride	2.782	84	26965	19.552	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21732	18.976	ug/l	95
22) Diisopropyl ether	3.763	45	84886	20.228	ug/l	91
23) Vinyl Acetate	3.721	43	349536	99.810	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46978	19.975	ug/l	99
25) 2-Butanone	4.562	43	113246	108.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31743	28.775	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	28042	19.836	ug/l	92
28) Bromochloromethane	4.891	49	20825	18.577	ug/l	100
29) Tetrahydrofuran	5.013	42	70666	100.410	ug/l	99
30) Chloroform	5.086	83	49636	21.241	ug/l	94
31) Cyclohexane	5.458	56	38216	18.719	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	39741	21.056	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29925	19.369	ug/l	98
37) Ethyl Acetate	4.721	43	41357	20.774	ug/l	100
38) Carbon Tetrachloride	5.672	117	33150	21.134	ug/l	92
39) Methylcyclohexane	7.379	83	36558	19.747	ug/l	98
40) Benzene	6.031	78	98693	20.229	ug/l	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23443	21.777	ug/l		98
42) 1,2-Dichloroethane	6.080	62	38946	22.168	ug/l		98
43) Isopropyl Acetate	6.342	43	62089	21.091	ug/l		98
44) Trichloroethene	7.129	130	22383	19.539	ug/l		98
45) 1,2-Dichloropropane	7.427	63	25785	20.556	ug/l		96
46) Dibromomethane	7.580	93	19014	21.446	ug/l		96
47) Bromodichloromethane	7.818	83	36869	21.200	ug/l		99
48) Methyl methacrylate	7.690	41	31795	21.528	ug/l		96
49) 1,4-Dioxane	7.665	88	11649	373.915	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	222348	112.487	ug/l		99
52) Toluene	8.714	92	59792	20.888	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30322	20.856	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	36016	21.244	ug/l		92
55) 1,1,2-Trichloroethane	9.147	97	25471	21.615	ug/l		99
56) Ethyl methacrylate	9.116	69	38614	21.557	ug/l		96
57) 1,3-Dichloropropane	9.305	76	42984	21.077	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	84877	97.136	ug/l		99
59) 2-Hexanone	9.427	43	161205	112.560	ug/l		98
60) Dibromochloromethane	9.519	129	26339	21.377	ug/l		98
61) 1,2-Dibromoethane	9.610	107	25179	21.403	ug/l		97
64) Tetrachloroethene	9.269	164	19550	20.418	ug/l		99
65) Chlorobenzene	10.079	112	64649	20.437	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21858	20.749	ug/l		97
67) Ethyl Benzene	10.189	91	112693	20.445	ug/l		99
68) m/p-Xylenes	10.299	106	85116	42.183	ug/l		99
69) o-Xylene	10.640	106	42125	20.699	ug/l		98
70) Styrene	10.652	104	68782	20.888	ug/l		97
71) Bromoform	10.799	173	16337	20.565	ug/l	#	99
73) Isopropylbenzene	10.963	105	110486	21.707	ug/l		99
74) N-amyl acetate	10.841	43	50145	20.996	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	39901	21.363	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	40635	26.773	ug/l		88
77) Bromobenzene	11.195	156	24928	20.758	ug/l		96
78) n-propylbenzene	11.299	91	126518	22.004	ug/l		98
79) 2-Chlorotoluene	11.360	91	78311	21.386	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	91263	22.175	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	9225	20.800	ug/l	#	84
82) 4-Chlorotoluene	11.451	91	86685	21.721	ug/l		100
83) tert-Butylbenzene	11.713	119	91062	21.535	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	89517	21.617	ug/l		100
85) sec-Butylbenzene	11.890	105	113963	22.499	ug/l		99
86) p-Isopropyltoluene	12.006	119	90559	22.123	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	44674	20.853	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44289	20.434	ug/l		98
89) n-Butylbenzene	12.329	91	76819	21.789	ug/l		99
90) Hexachloroethane	12.536	117	15824	21.372	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	45440	21.144	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7923	21.774	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	24507	20.027	ug/l		99
94) Hexachlorobutadiene	13.725	225	10883	21.692	ug/l		98
95) Naphthalene	13.774	128	94184	20.032	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25568	19.806	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

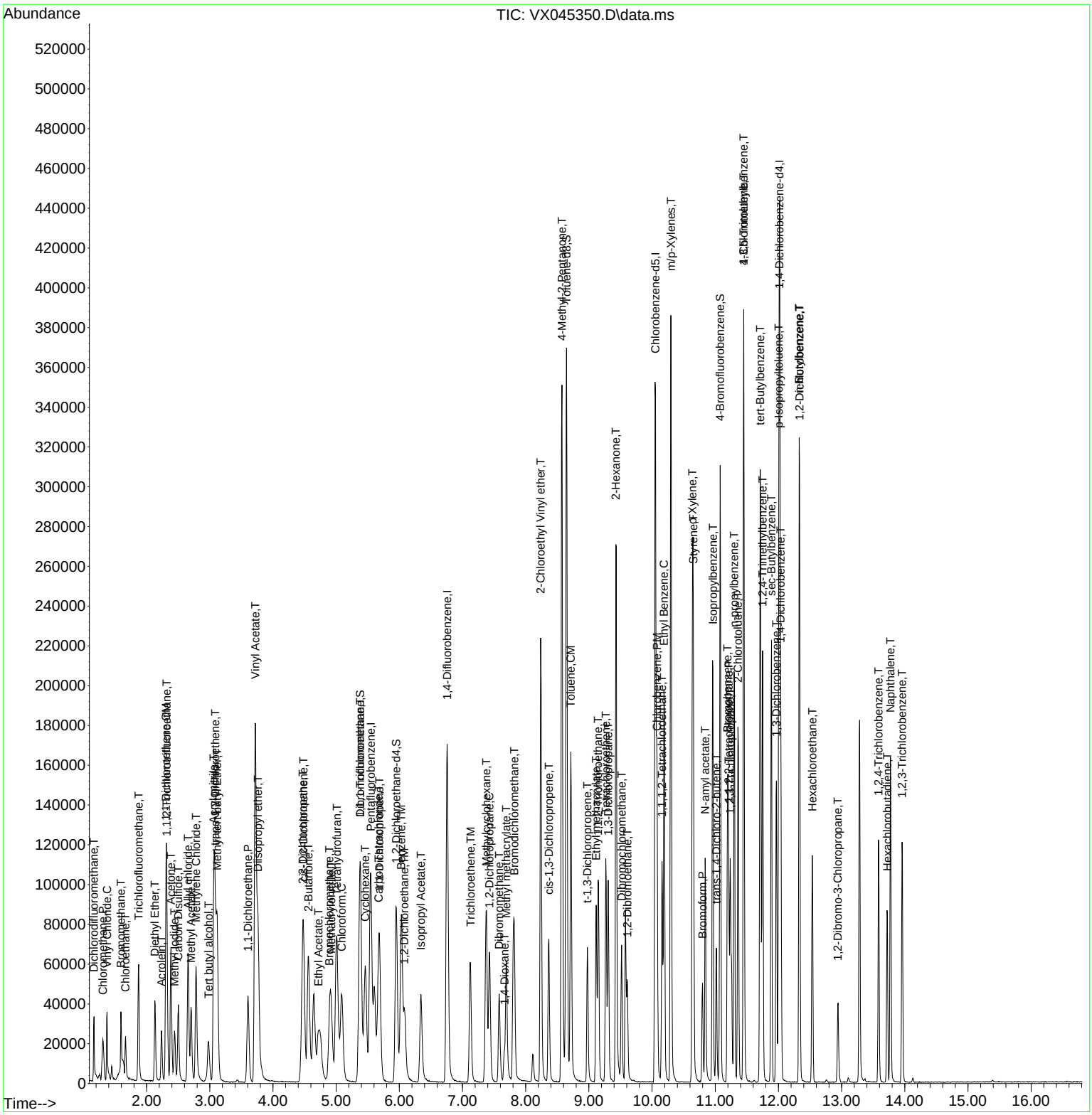
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

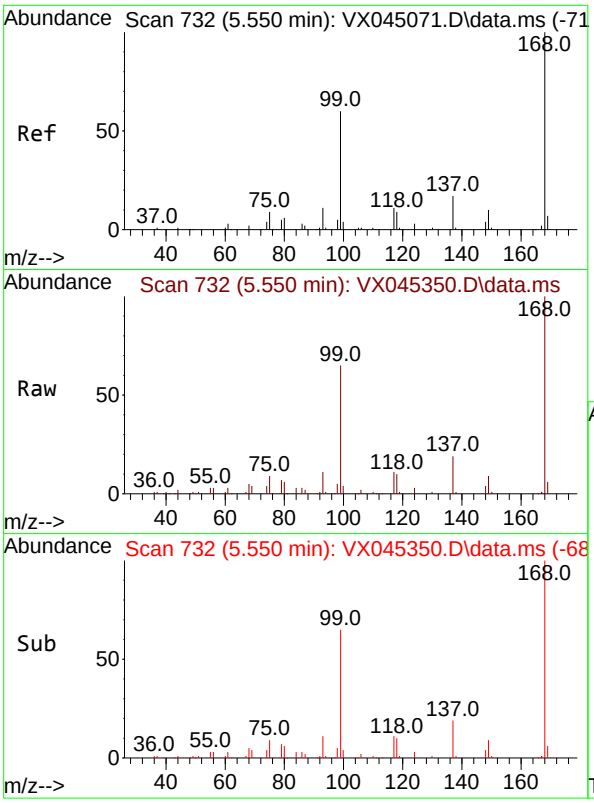
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045350.D
Acq On : 20 Mar 2025 10:53
Operator : JC/MD
Sample : VX0320WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Quant Time: Mar 21 01:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



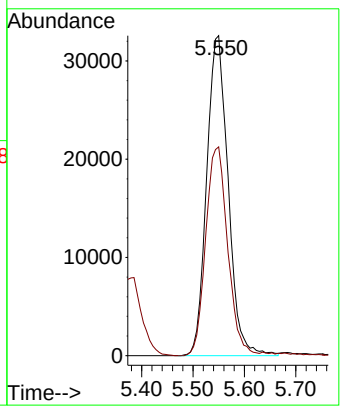


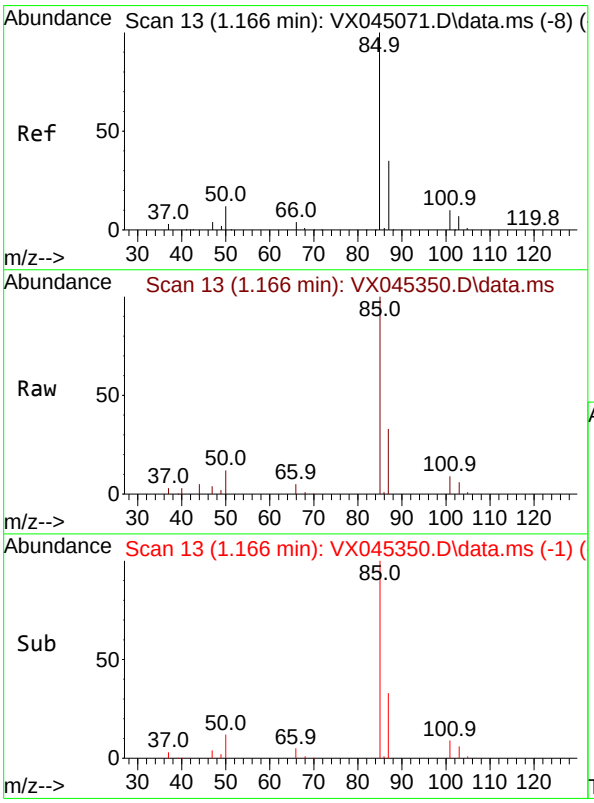
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:168 Resp: 94337

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.2	72.4

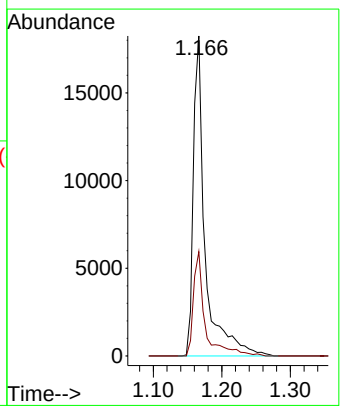


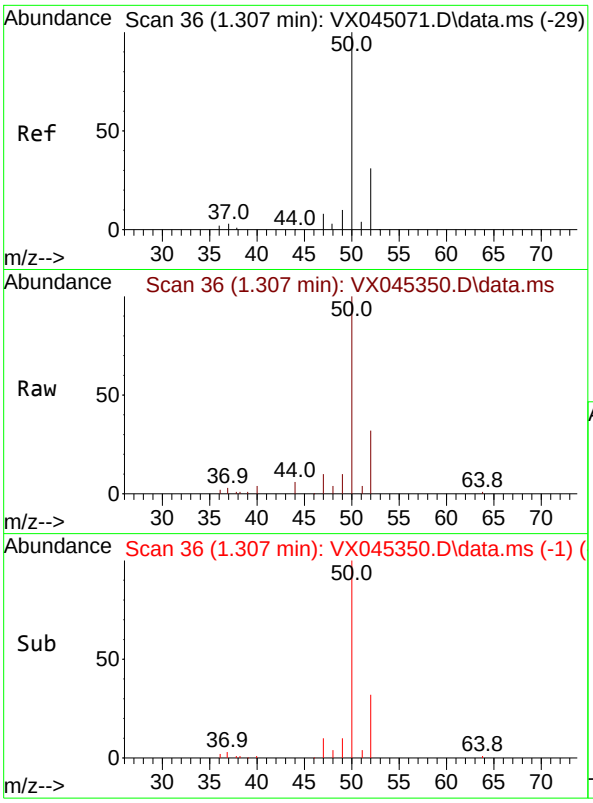


#2
Dichlorodifluoromethane
Concen: 18.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 85 Resp: 21766

Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.4	52.3



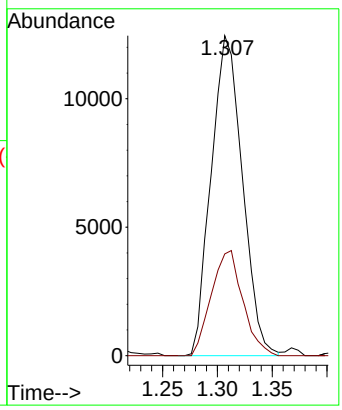


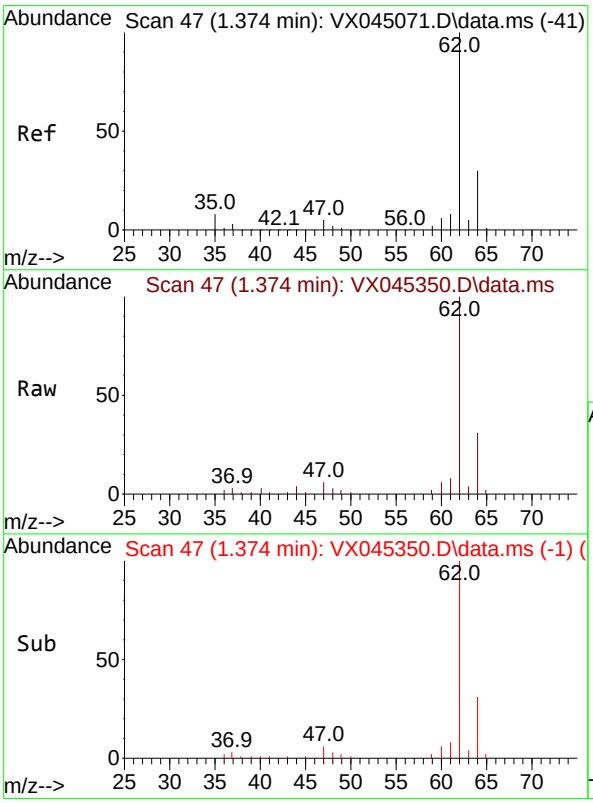
#3
Chloromethane
Concen: 16.997 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 50 Resp: 24700

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4

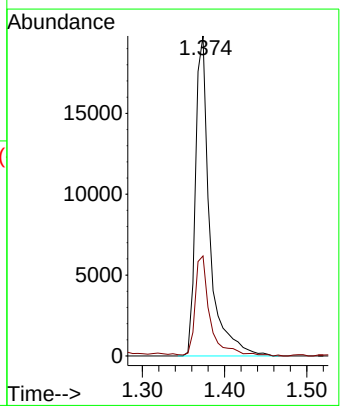


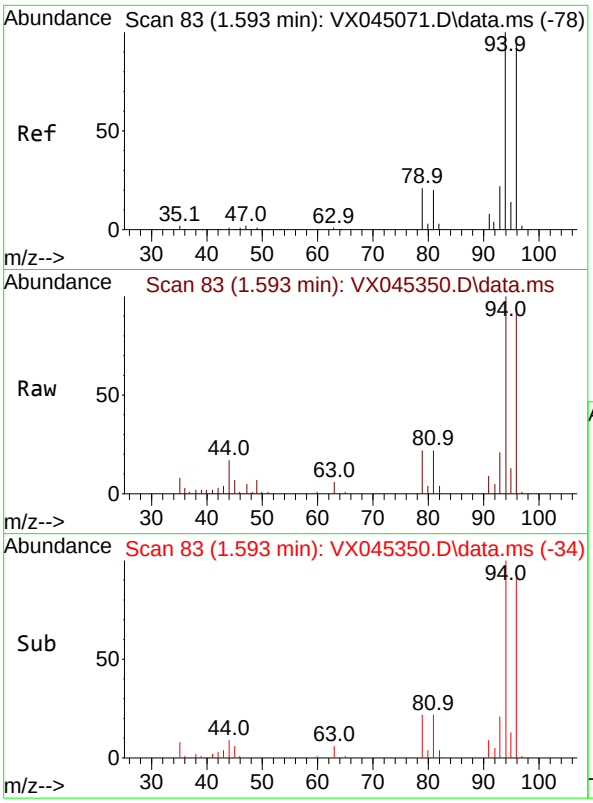


#4
Vinyl Chloride
Concen: 16.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 23778

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.3	36.5



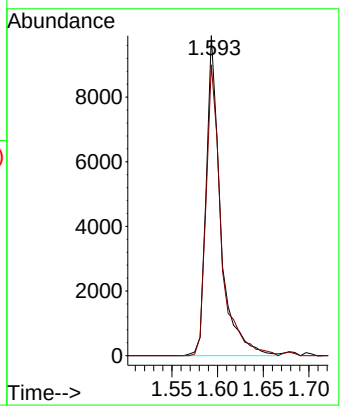


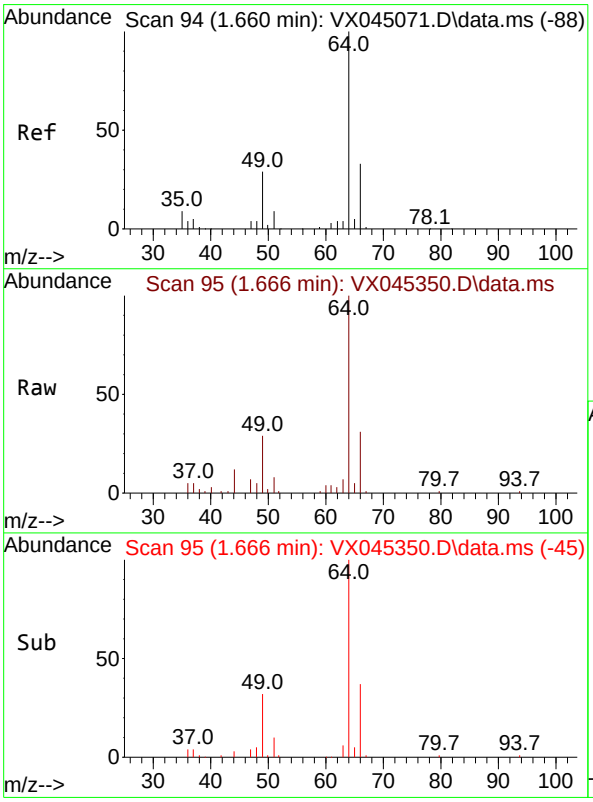
#5
Bromomethane
Concen: 19.068 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 94 Resp: 10806

Ion	Ratio	Lower	Upper
94	100		
96	90.9	75.0	112.4

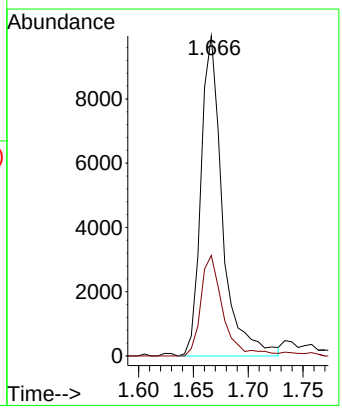


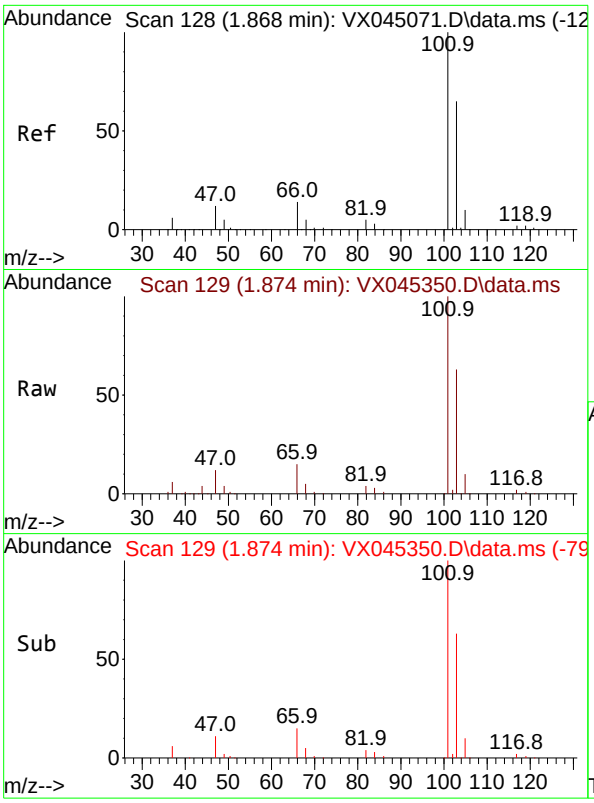


#6
Chloroethane
Concen: 20.367 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 64 Resp: 13543

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1



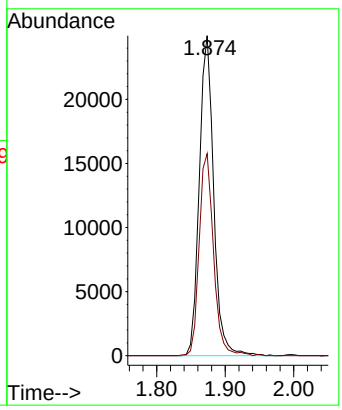


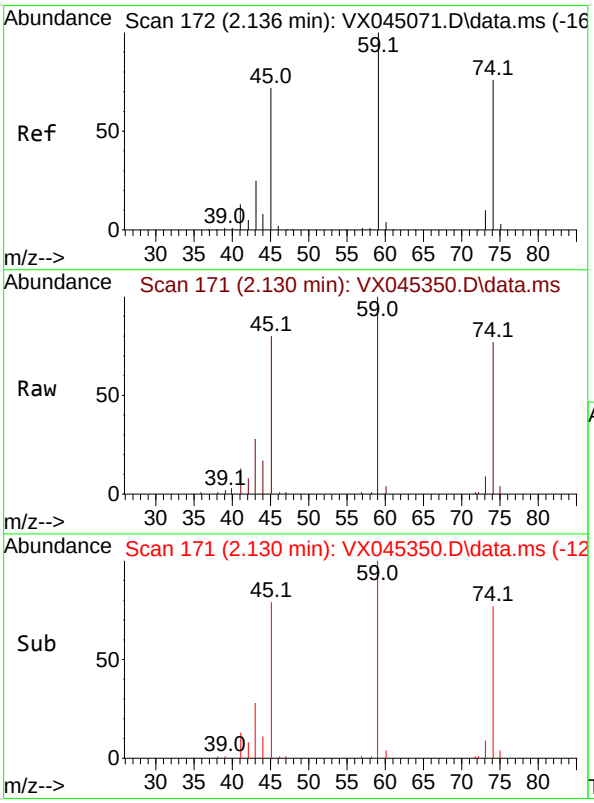
#7
Trichlorofluoromethane
Concen: 19.102 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:101 Resp: 36454

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1

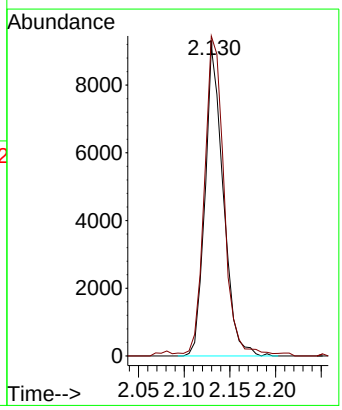


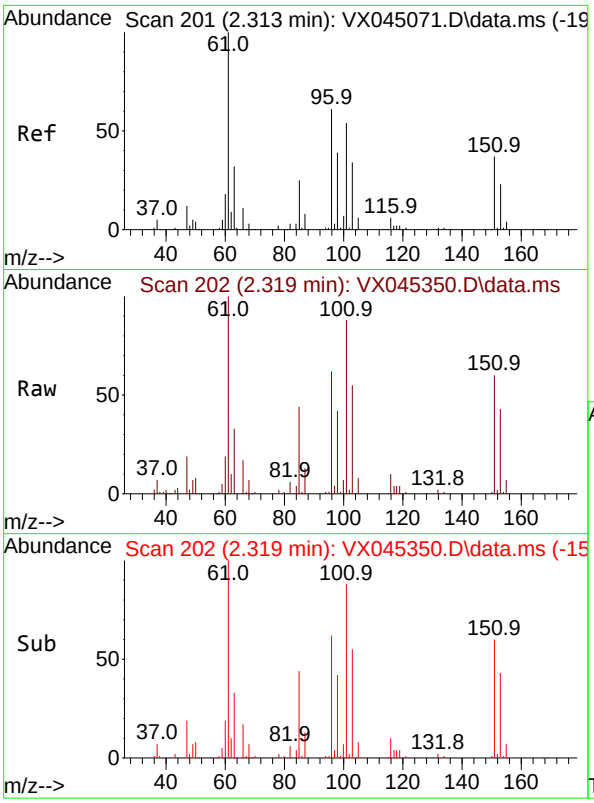


#8
Diethyl Ether
Concen: 16.992 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 74 Resp: 12684

Ion	Ratio	Lower	Upper
74	100		
45	110.9	51.5	154.5



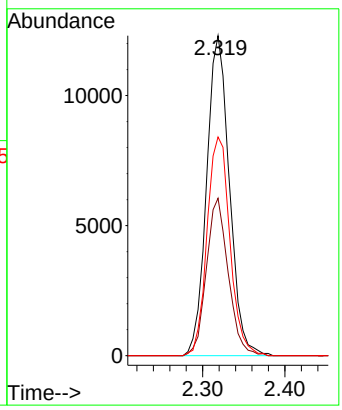


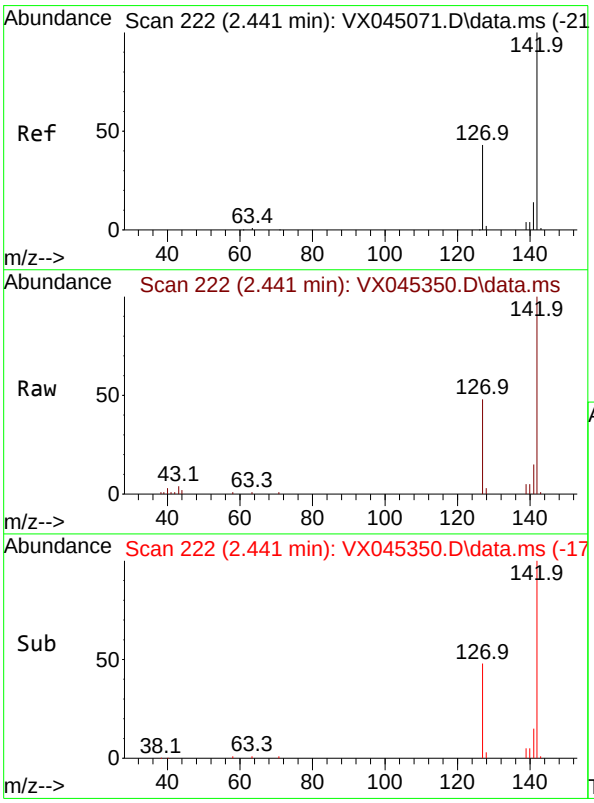
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.591 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:101 Resp: 23673

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	68.8	56.4	84.6

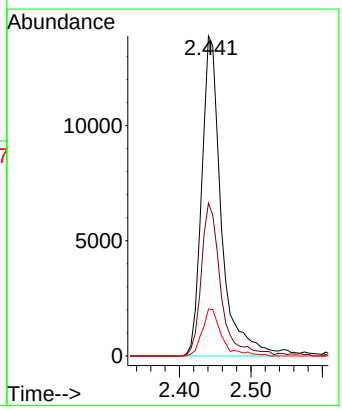


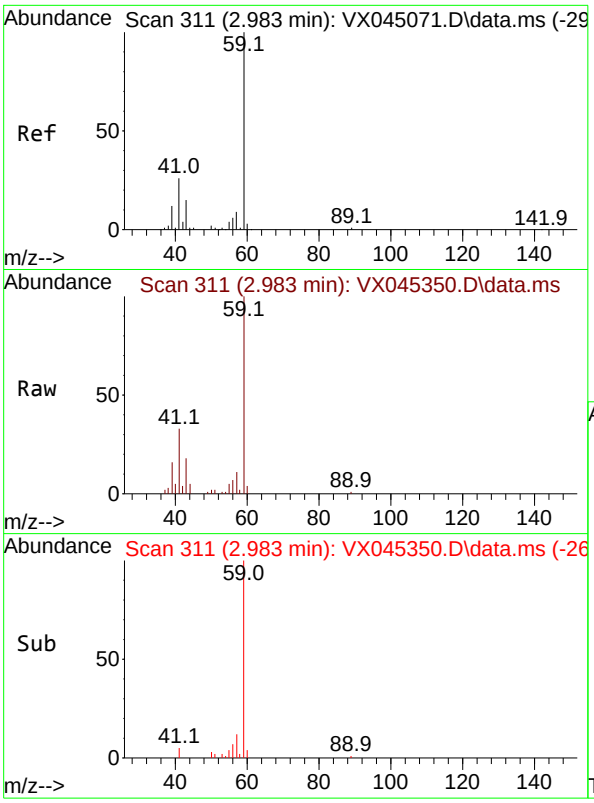


#10
Methyl Iodide
Concen: 19.277 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:142 Resp: 26414

Ion	Ratio	Lower	Upper
142	100		
127	48.0	35.4	53.2
141	14.6	11.6	17.4



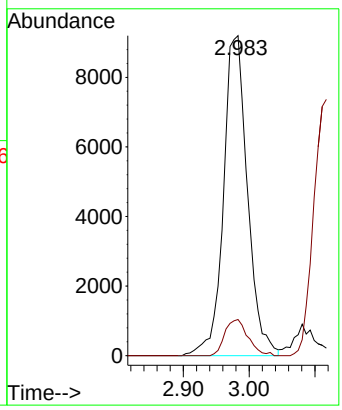


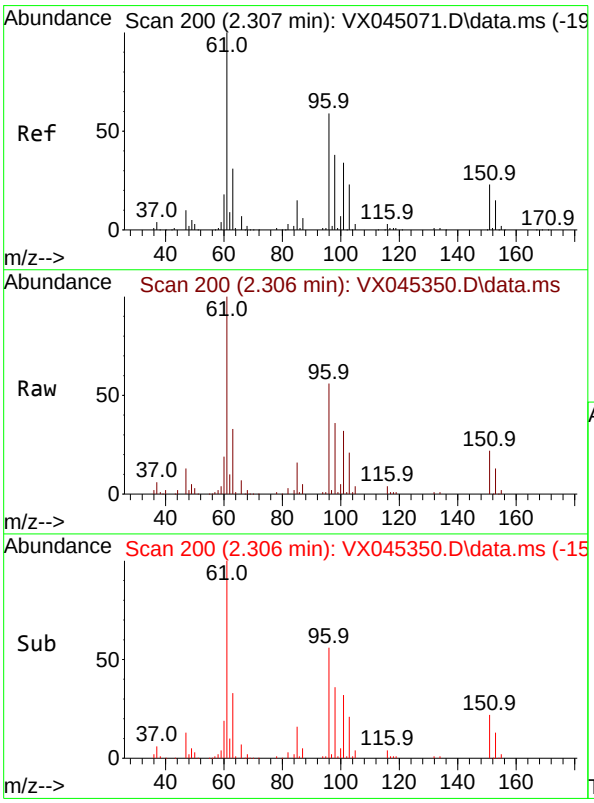
#11
Tert butyl alcohol
Concen: 82.384 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 59 Resp: 23416

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

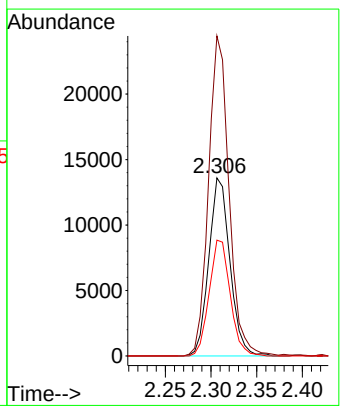


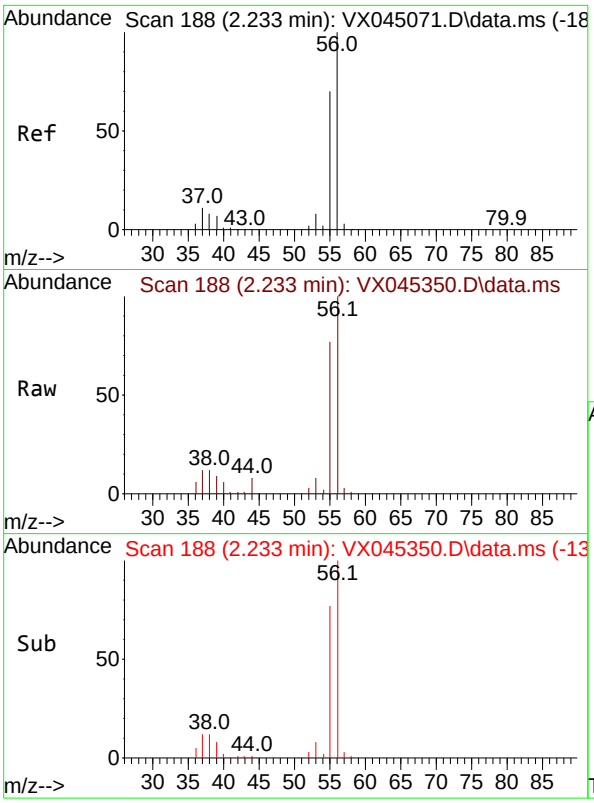


#12
1,1-Dichloroethene
Concen: 18.826 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 96 Resp: 21823

Ion	Ratio	Lower	Upper
96	100		
61	179.6	134.6	202.0
98	65.0	51.0	76.6



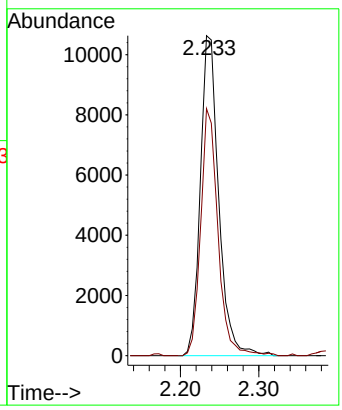


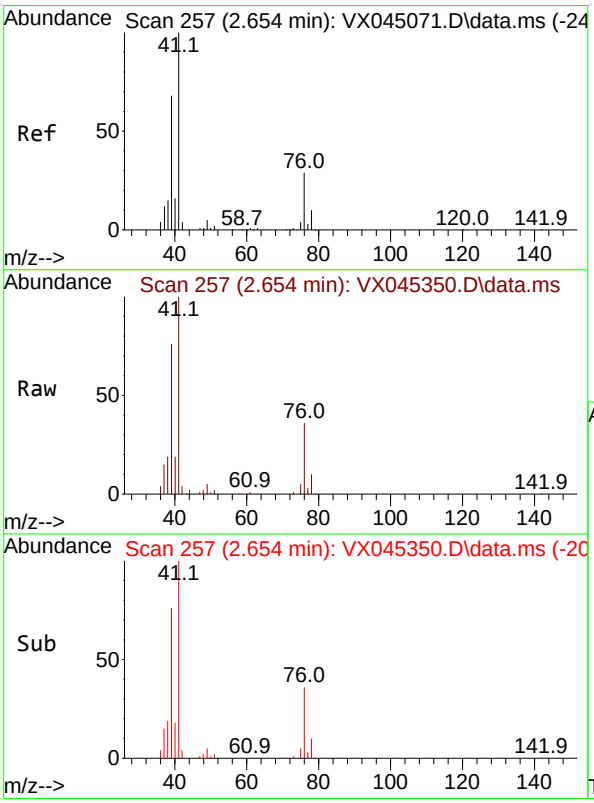
#13
Acrolein
Concen: 52.632 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 56 Resp: 17293

Ion	Ratio	Lower	Upper
56	100		
55	72.6	56.2	84.4

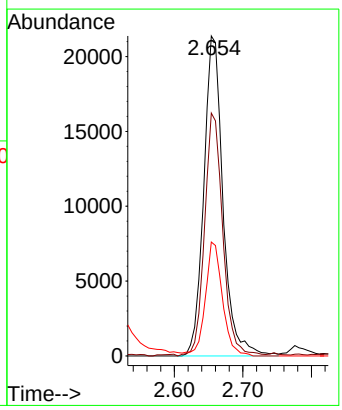


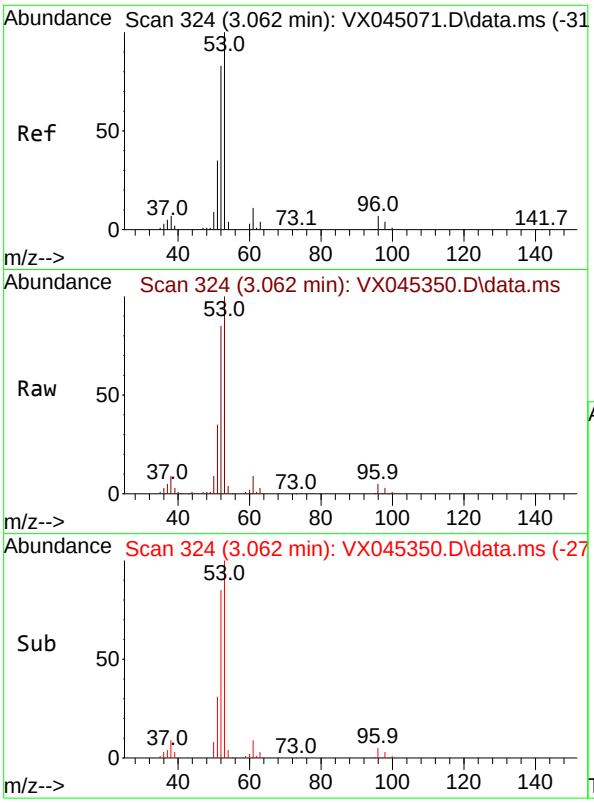


#14
Allyl chloride
Concen: 20.298 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 41884

Ion	Ratio	Lower	Upper
41	100		
39	71.6	53.8	80.8
76	31.7	25.2	37.8



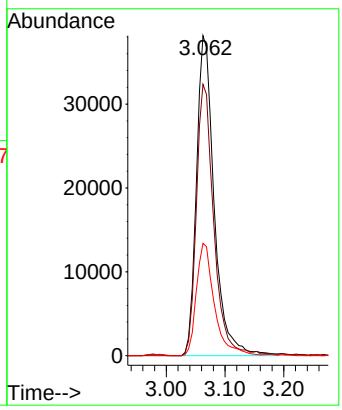


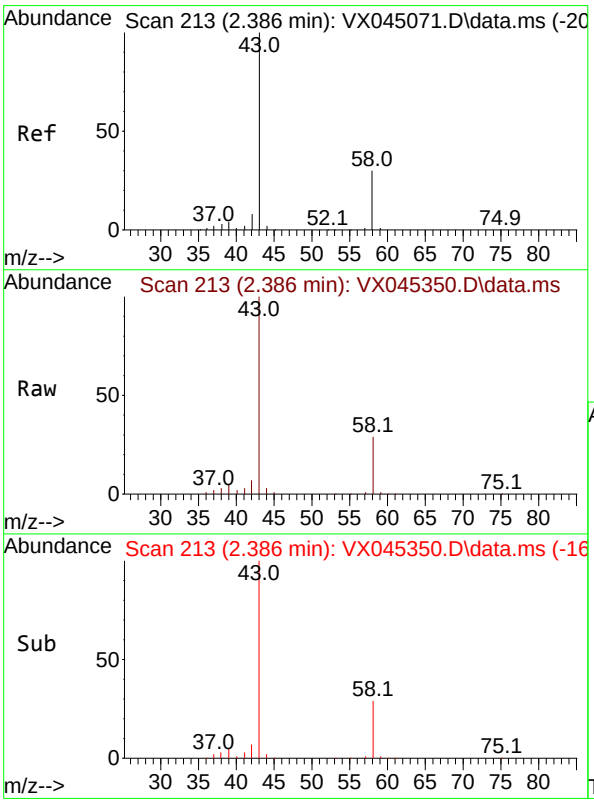
#15
Acrylonitrile
Concen: 105.082 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 53 Resp: 80049

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	35.8	29.0	43.4

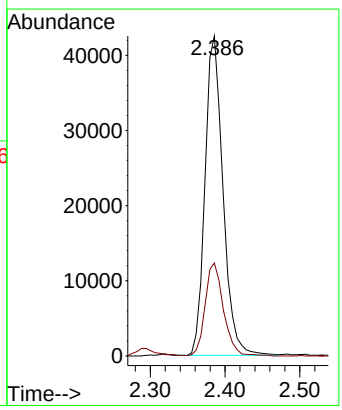


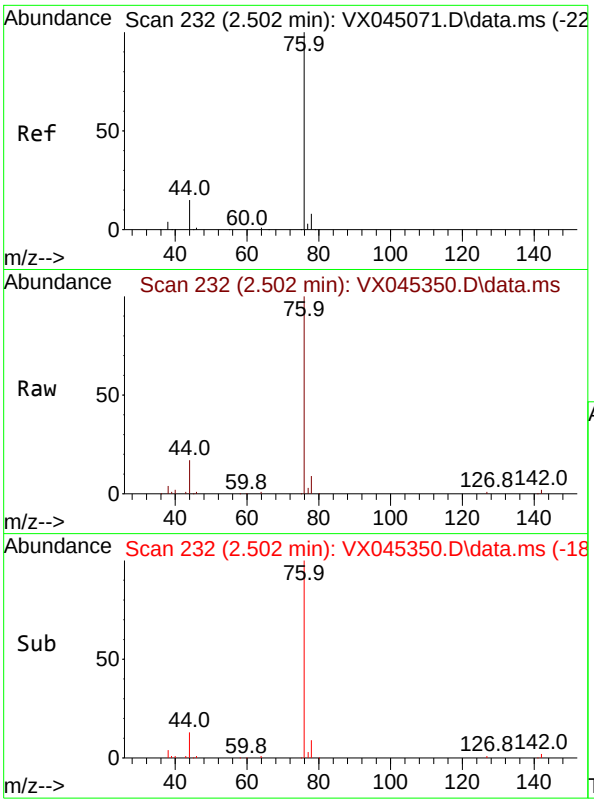


#16
Acetone
Concen: 102.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 71160

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.2	36.4



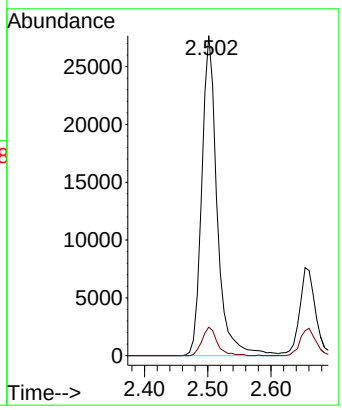


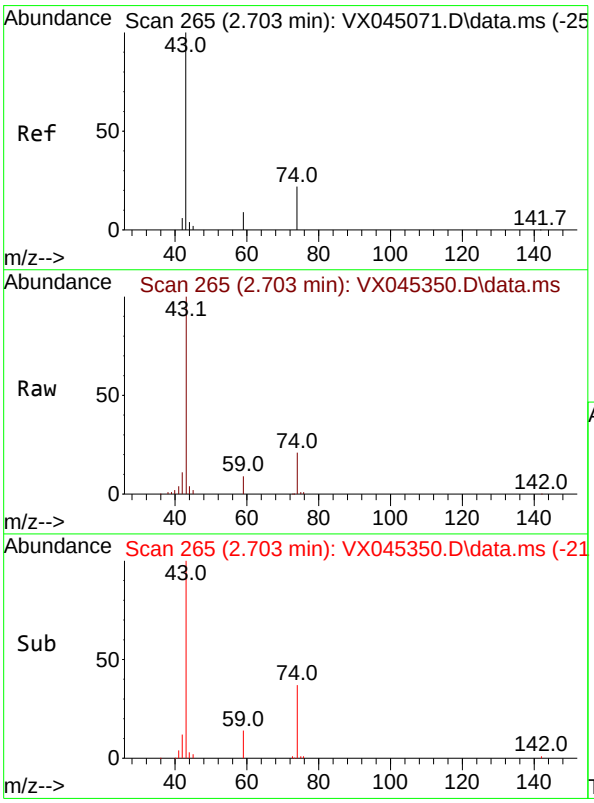
#17
Carbon Disulfide
Concen: 15.169 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 76 Resp: 46834

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

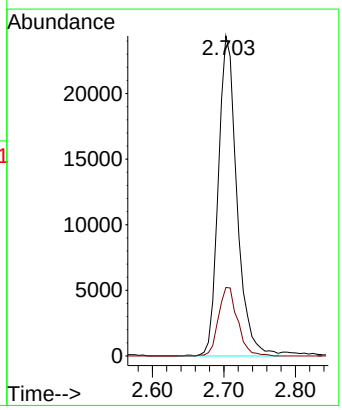


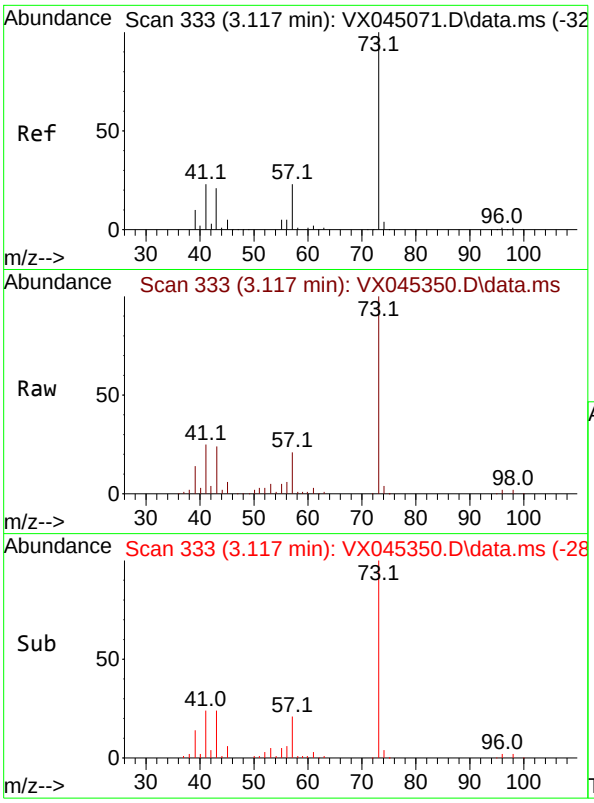


#18
Methyl Acetate
Concen: 26.343 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 44122

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



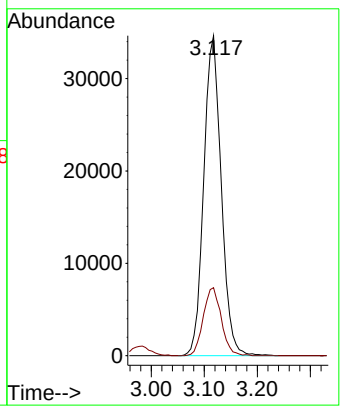


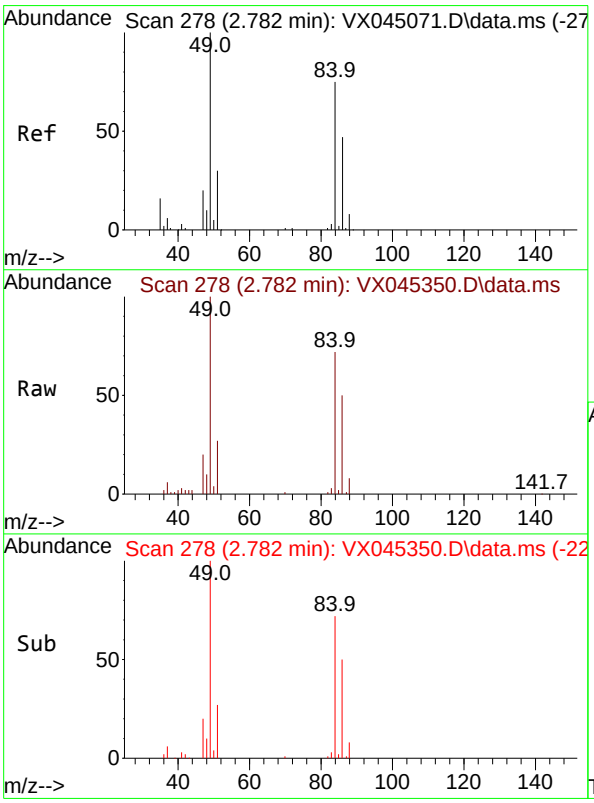
#19
Methyl tert-butyl Ether
Concen: 20.380 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 73 Resp: 79261

Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.5	27.7

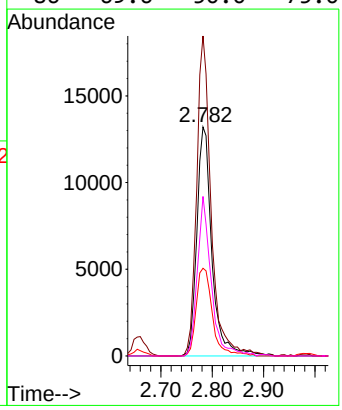


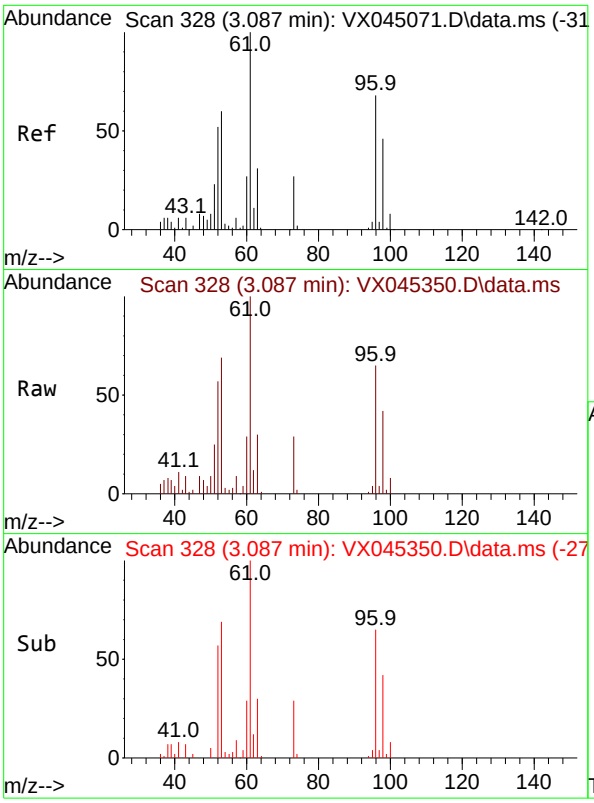


#20
Methylene Chloride
Concen: 19.552 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 84 Resp: 26965

Ion	Ratio	Lower	Upper
84	100		
49	139.7	106.5	159.7
51	38.3	32.1	48.1
86	69.6	50.0	75.0



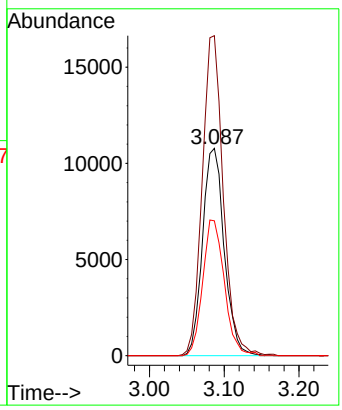


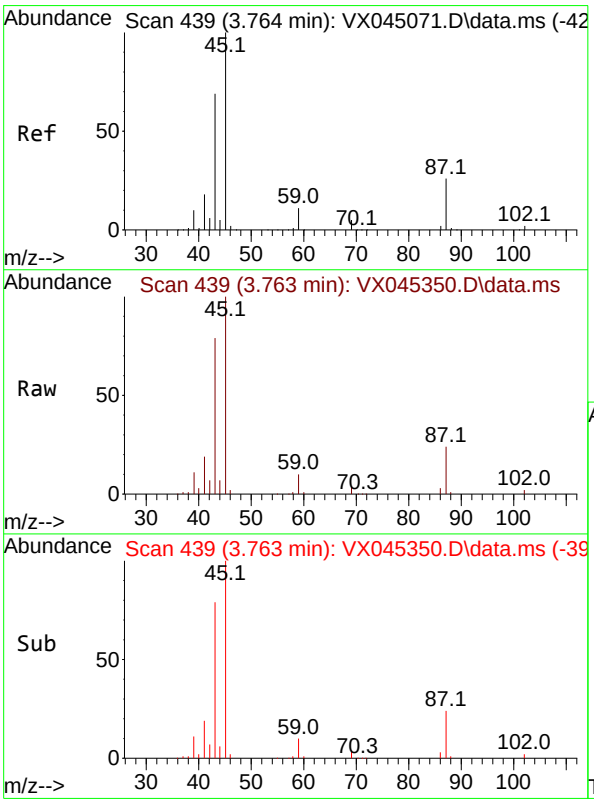
#21
trans-1,2-Dichloroethene
Concen: 18.976 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 96 Resp: 21732

Ion	Ratio	Lower	Upper
96	100		
61	154.4	117.0	175.4
98	65.0	53.4	80.2

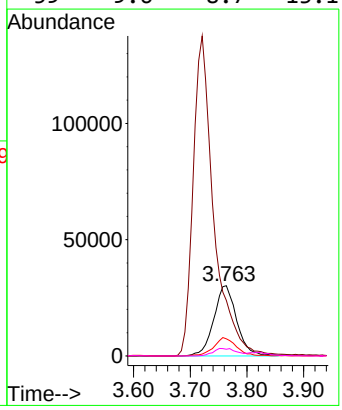


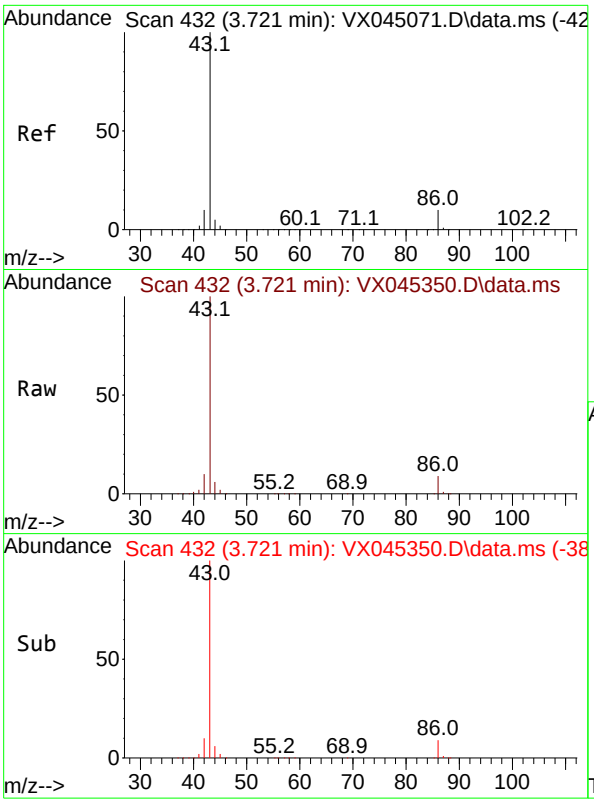


#22
Diisopropyl ether
Concen: 20.228 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 45 Resp: 84886

Ion	Ratio	Lower	Upper
45	100		
43	77.8	54.9	82.3
87	24.4	21.0	31.4
59	9.6	8.7	13.1



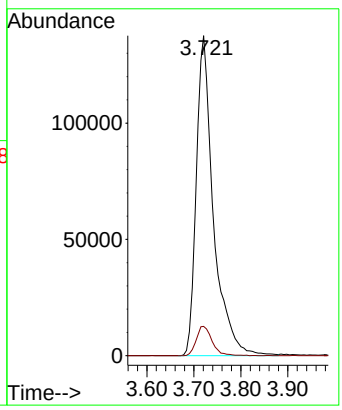


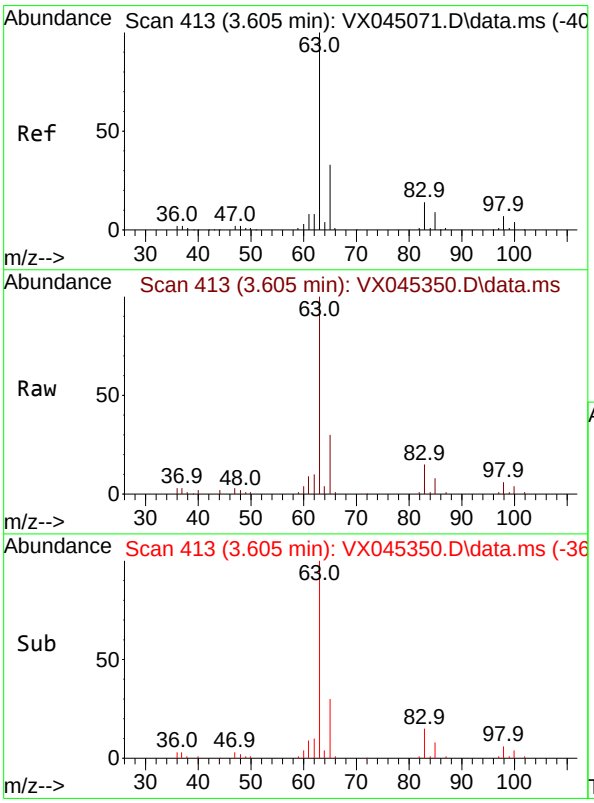
#23
Vinyl Acetate
Concen: 99.810 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 349536

Ion	Ratio	Lower	Upper
43	100		
86	9.2	8.1	12.1

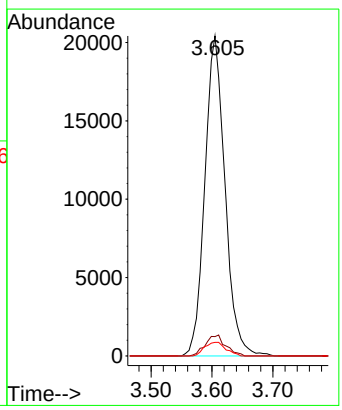


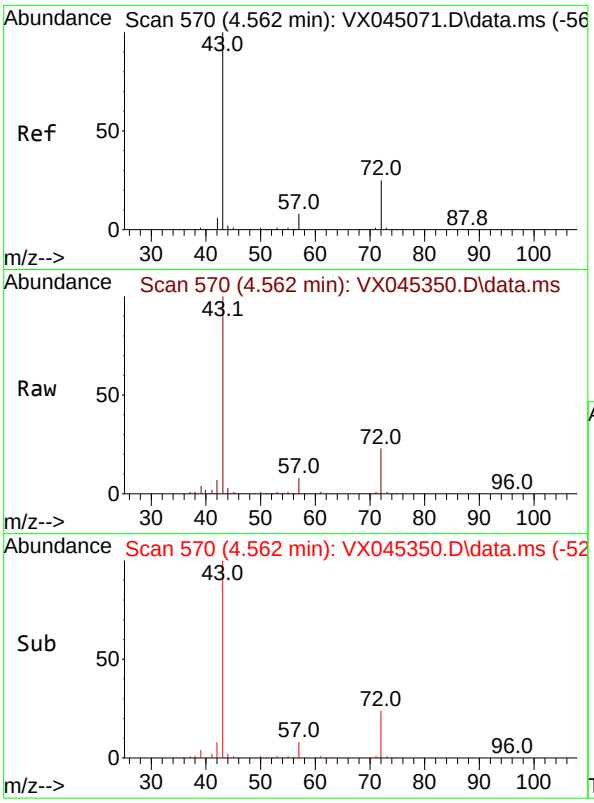


#24
1,1-Dichloroethane
Concen: 19.975 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 46978

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.2
100	4.3	2.1	6.5



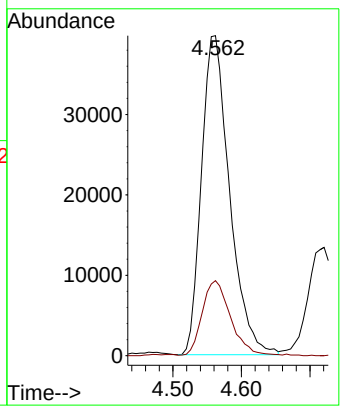


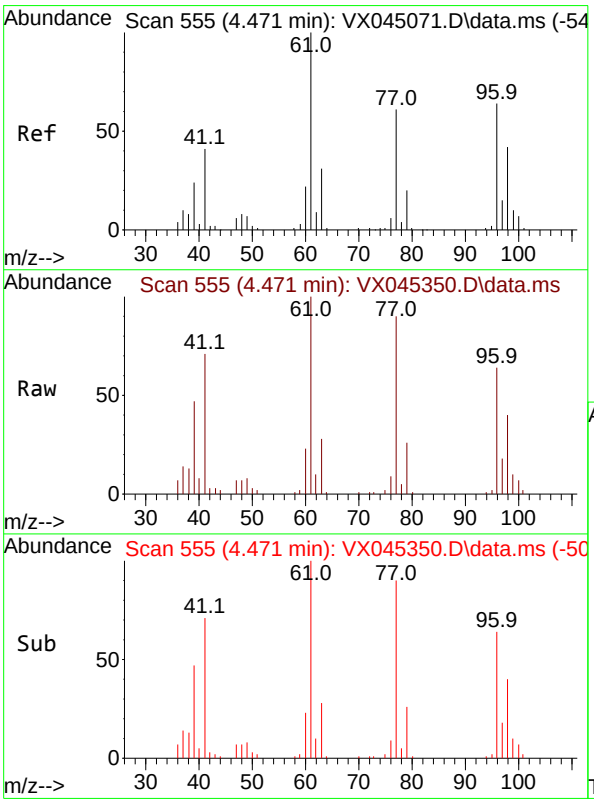
#25
2-Butanone
Concen: 108.061 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 113246

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0

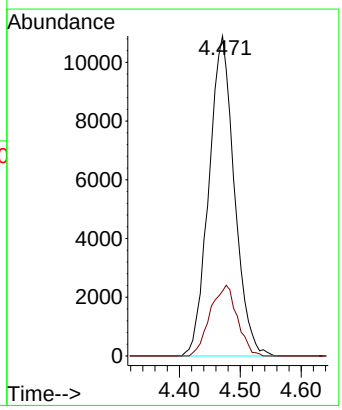


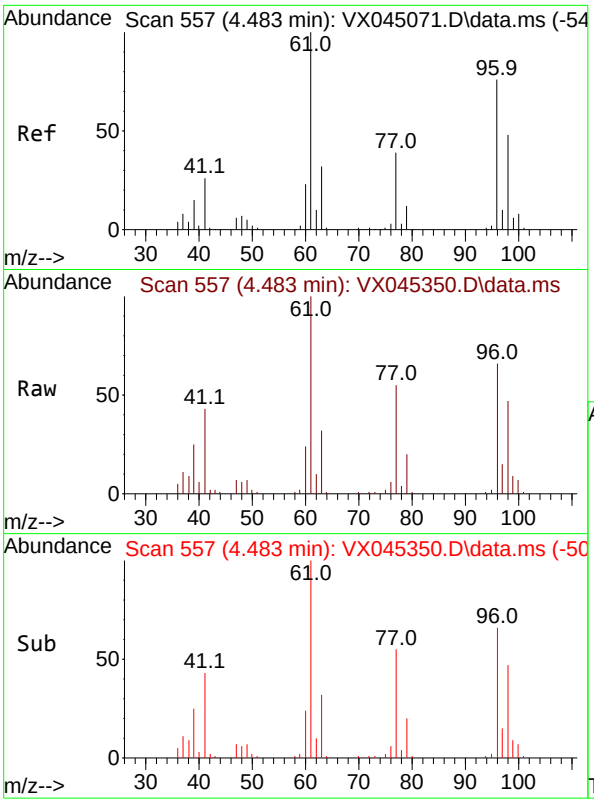


#26
2,2-Dichloropropane
Concen: 28.775 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 77 Resp: 31743

Ion	Ratio	Lower	Upper
77	100		
97	23.5	12.4	37.0



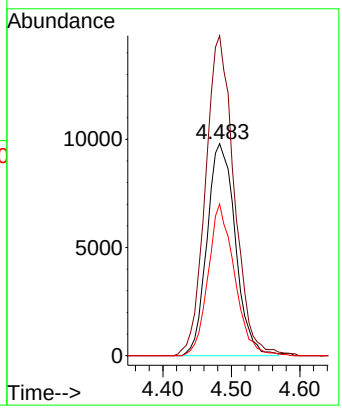


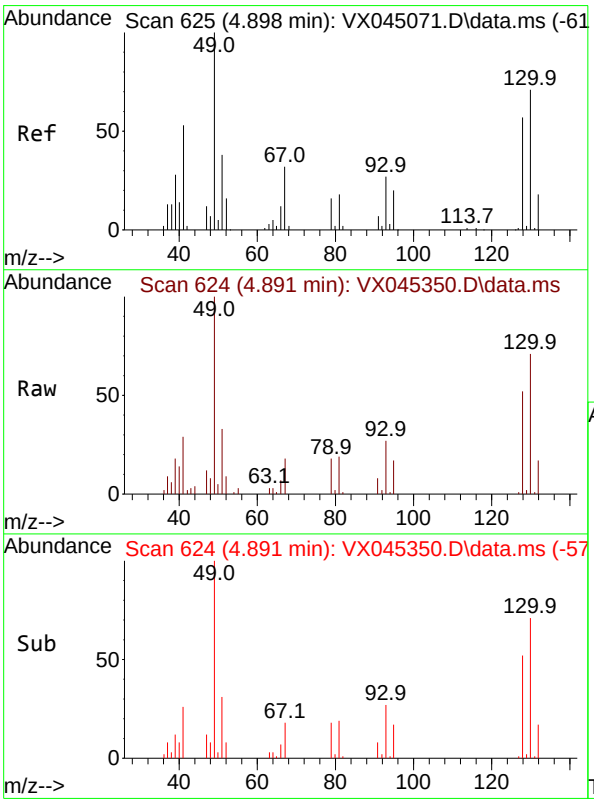
#27
cis-1,2-Dichloroethene
Concen: 19.836 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 96 Resp: 28042

Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	283.2
98	66.8	0.0	128.0

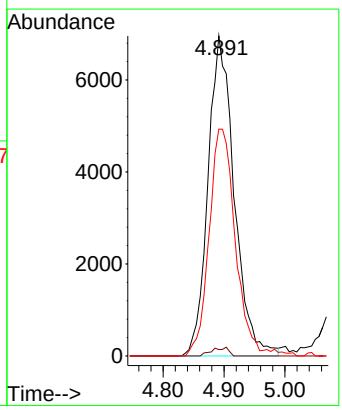


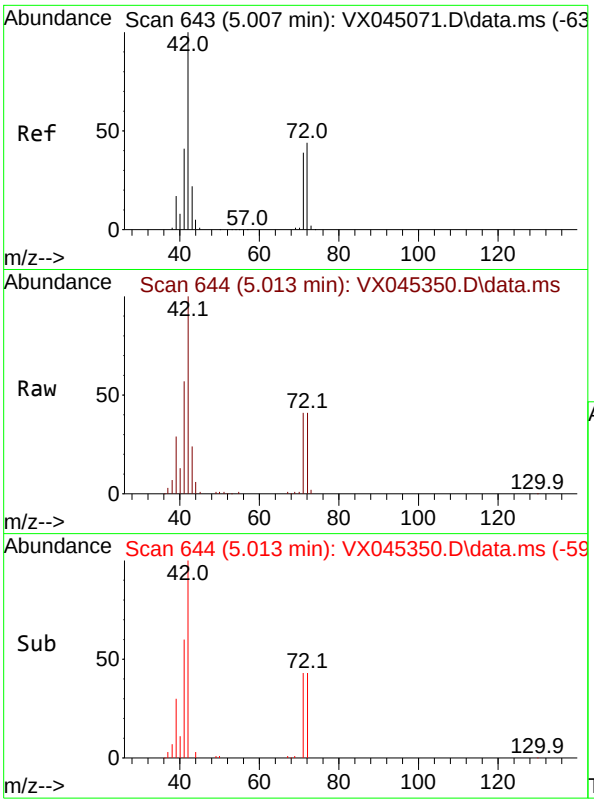


#28
Bromochloromethane
Concen: 18.577 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 49 Resp: 20825

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



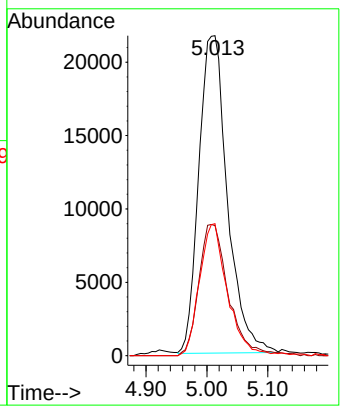


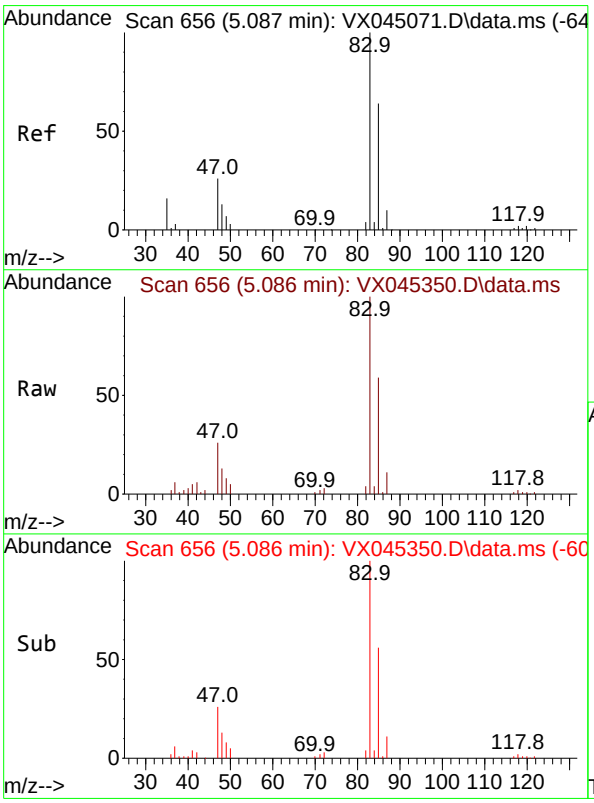
#29
Tetrahydrofuran
Concen: 100.410 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 42 Resp: 70666

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	40.2	31.4	47.0

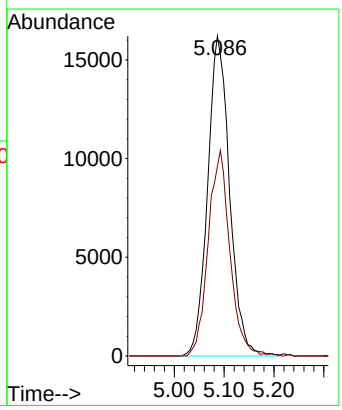


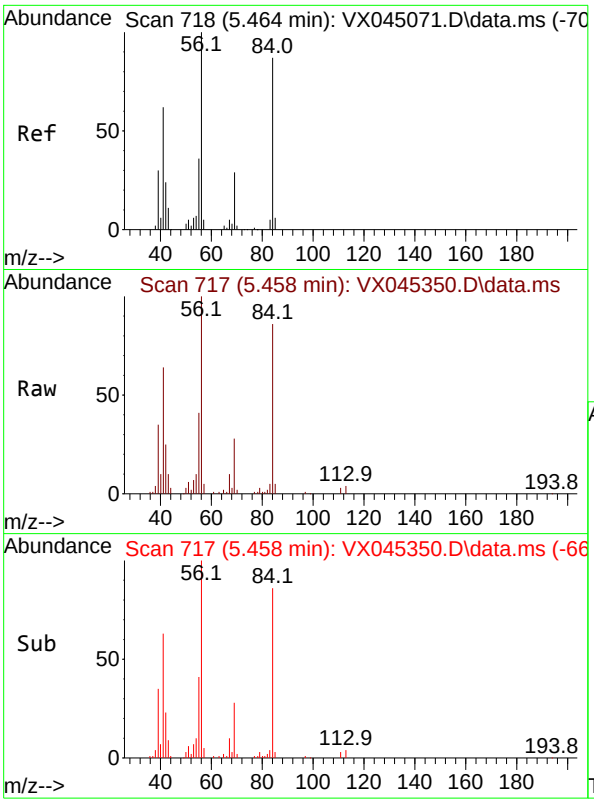


#30
Chloroform
Concen: 21.241 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 83 Resp: 49636

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.4	77.2



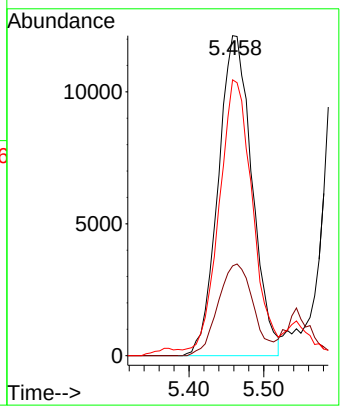


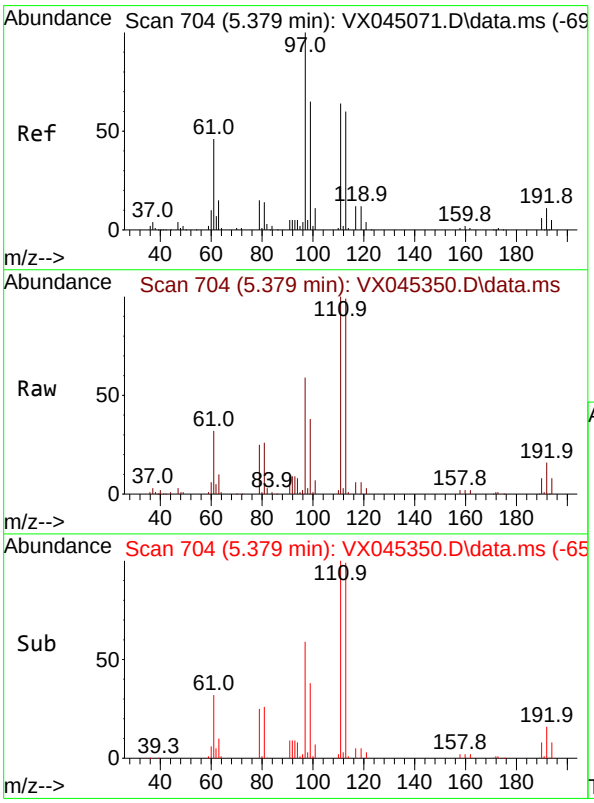
#31
Cyclohexane
Concen: 18.719 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 56 Resp: 38216

Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.4	35.2
84	84.2	69.4	104.2

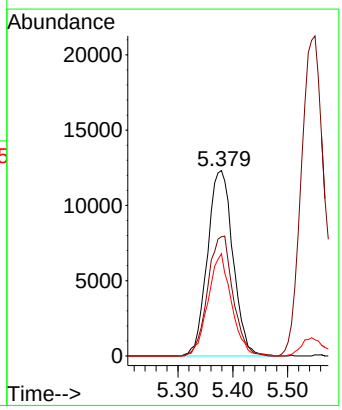


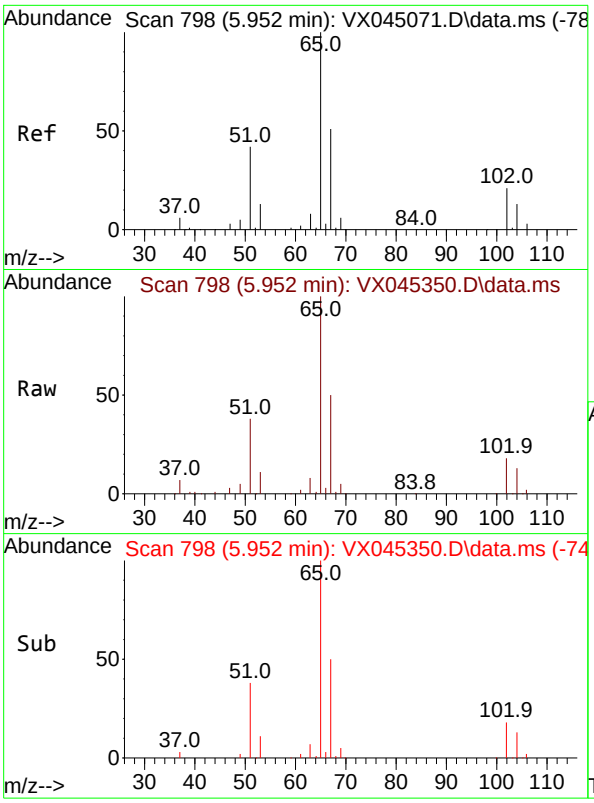


#32
1,1,1-Trichloroethane
Concen: 21.056 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 97 Resp: 39741

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	50.7	38.4	57.6



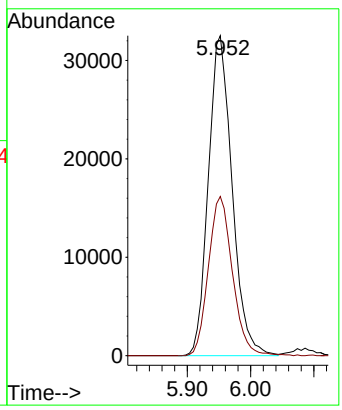


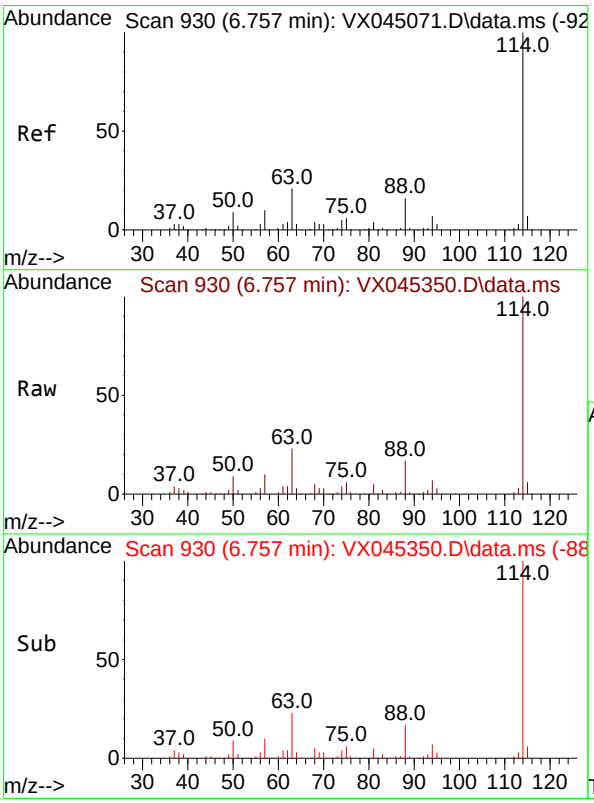
#33
1,2-Dichloroethane-d4
Concen: 56.529 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 65 Resp: 84826

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	106.2

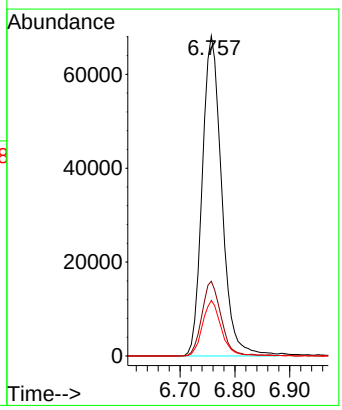


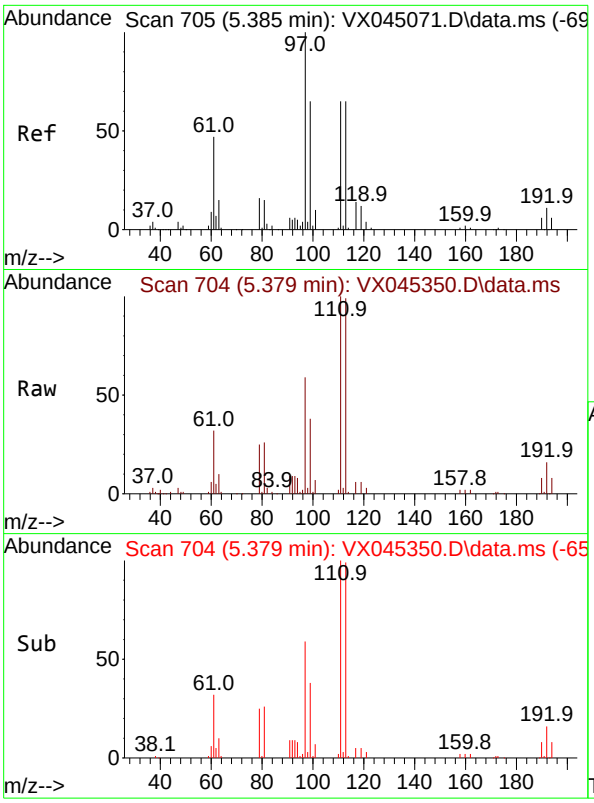


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:114 Resp: 168482

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	17.3	0.0	32.8



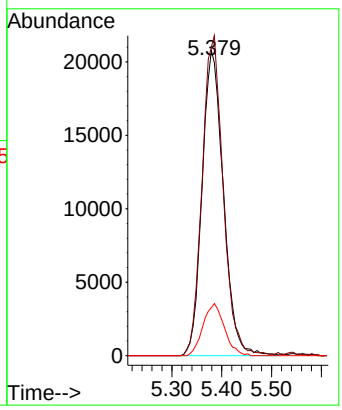


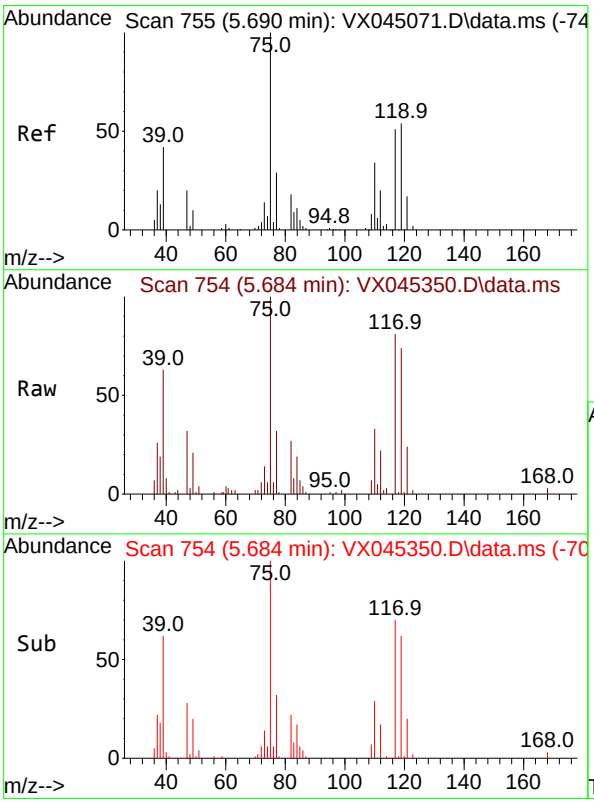
#35
Dibromofluoromethane
Concen: 54.756 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:113 Resp: 61688

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.1	14.3	21.5

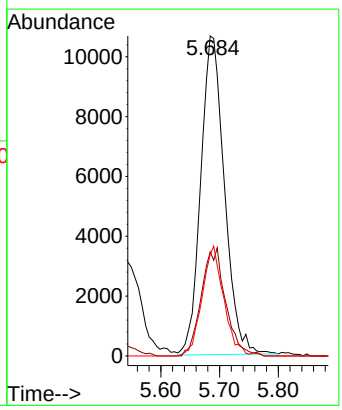


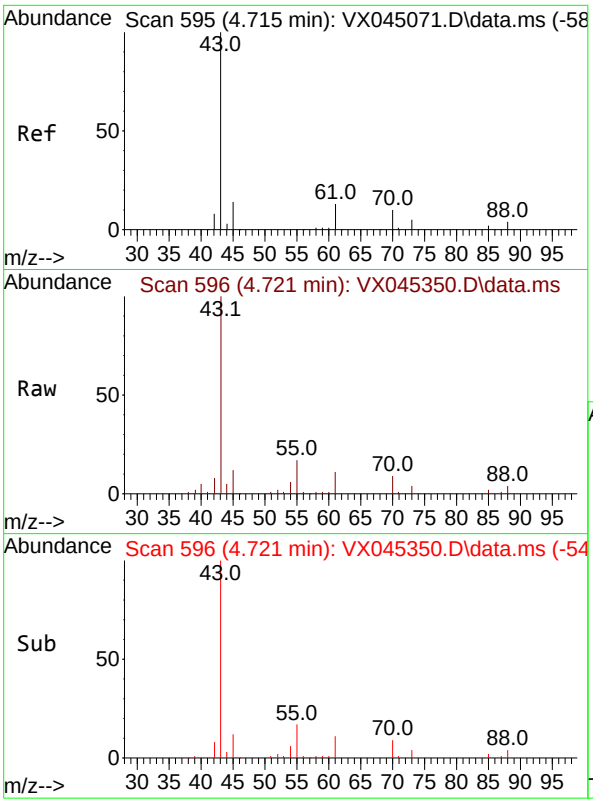


#36
1,1-Dichloropropene
Concen: 19.369 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 29925

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	31.4	24.5	36.7



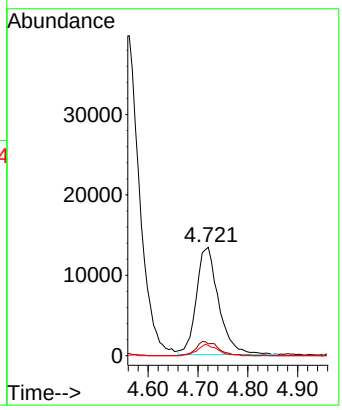


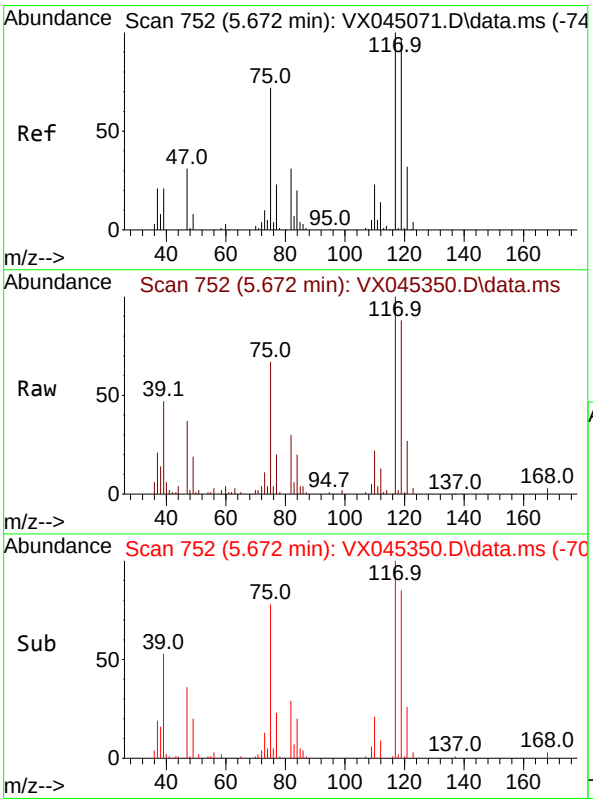
#37
Ethyl Acetate
Concen: 20.774 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 41357

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.4	7.7	11.5

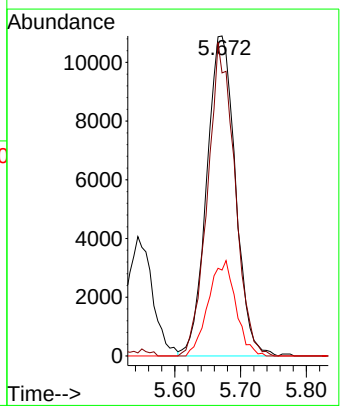


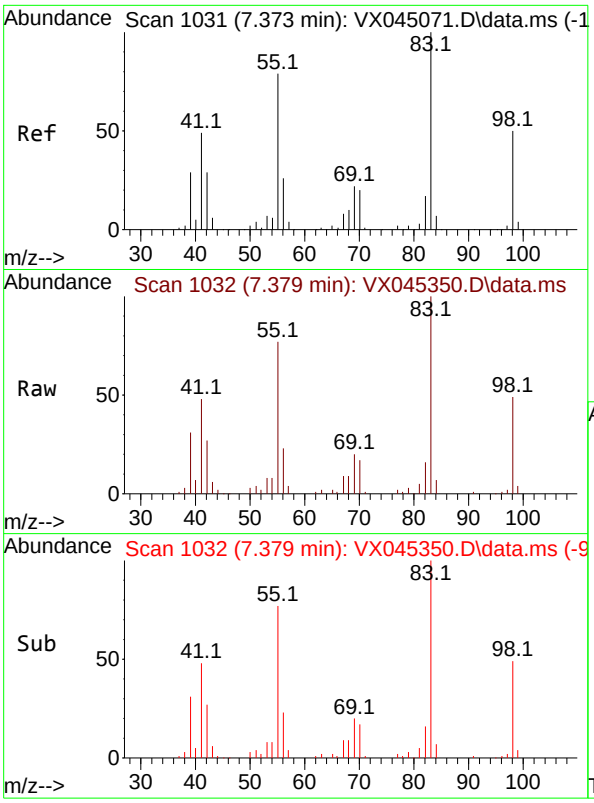


#38
Carbon Tetrachloride
Concen: 21.134 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 33150

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.7	115.1
121	26.9	25.5	38.3



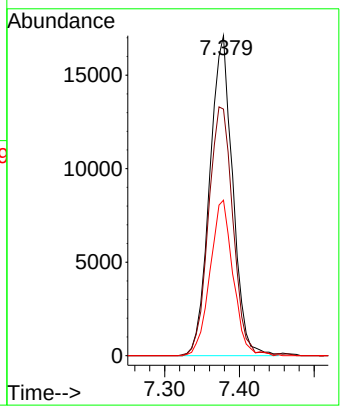


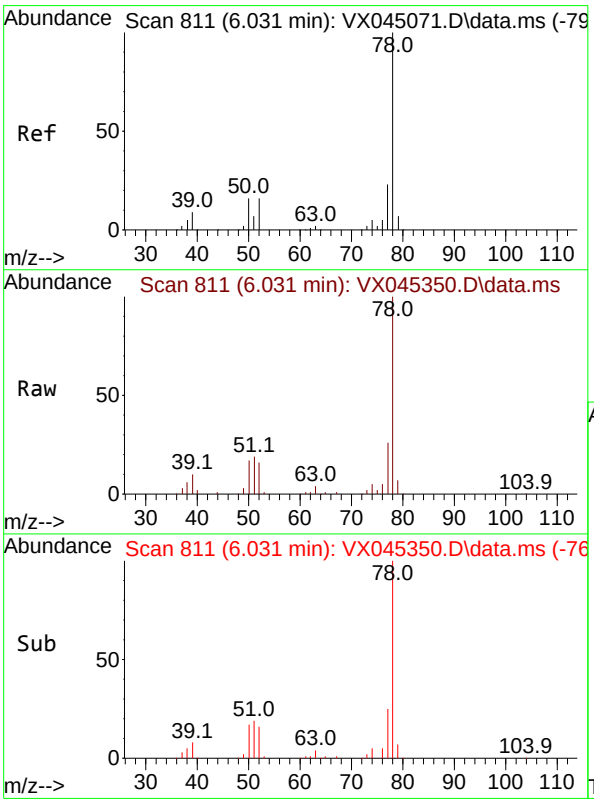
#39
Methylcyclohexane
Concen: 19.747 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 83 Resp: 36558

Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.0	94.4
98	48.6	39.7	59.5

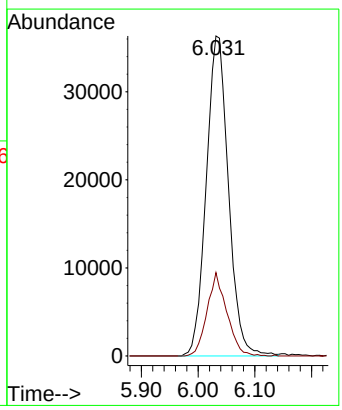


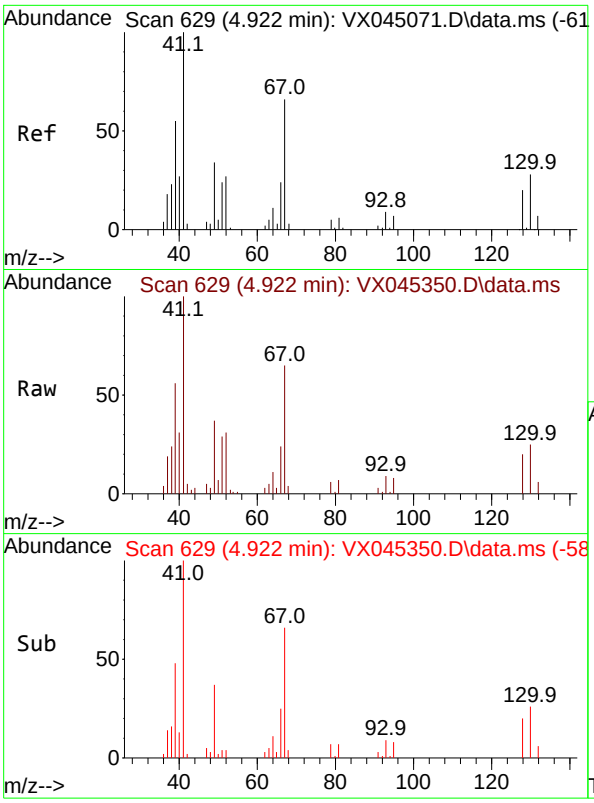


#40
Benzene
Concen: 20.229 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 78 Resp: 98693

Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.8	28.2



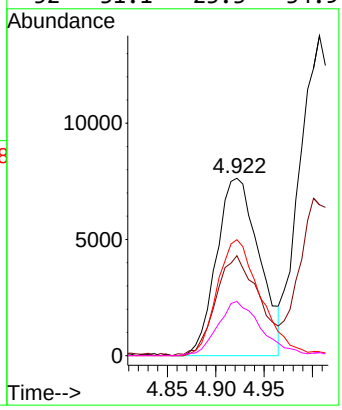


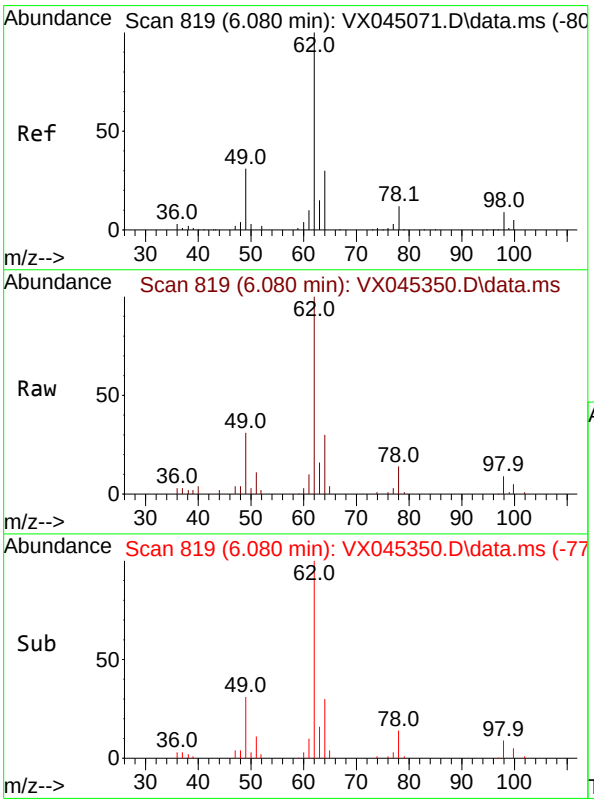
#41
Methacrylonitrile
Concen: 21.777 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 41 Resp: 23443

Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.6	67.0
67	67.1	53.9	80.9
52	31.1	23.3	34.9

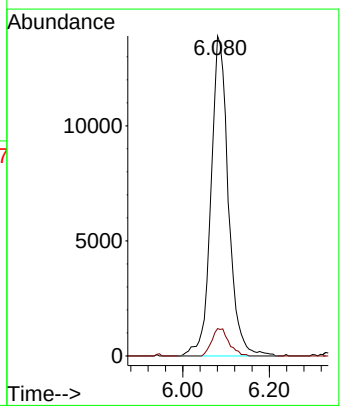


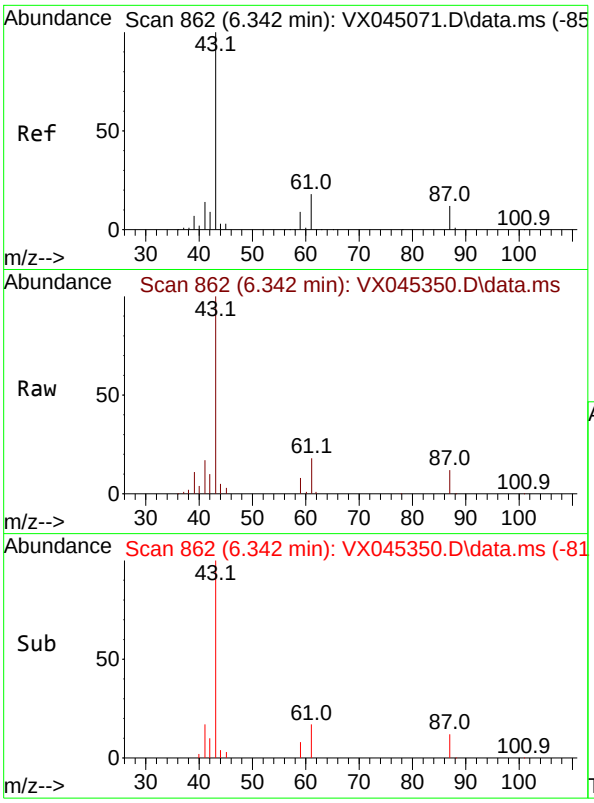


#42
1,2-Dichloroethane
Concen: 22.168 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 62 Resp: 38946

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2



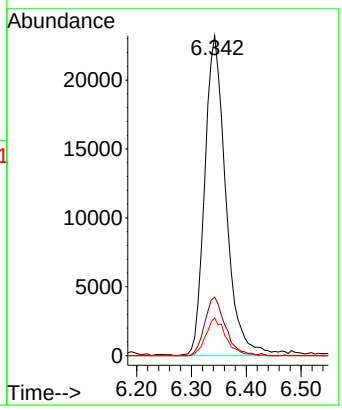


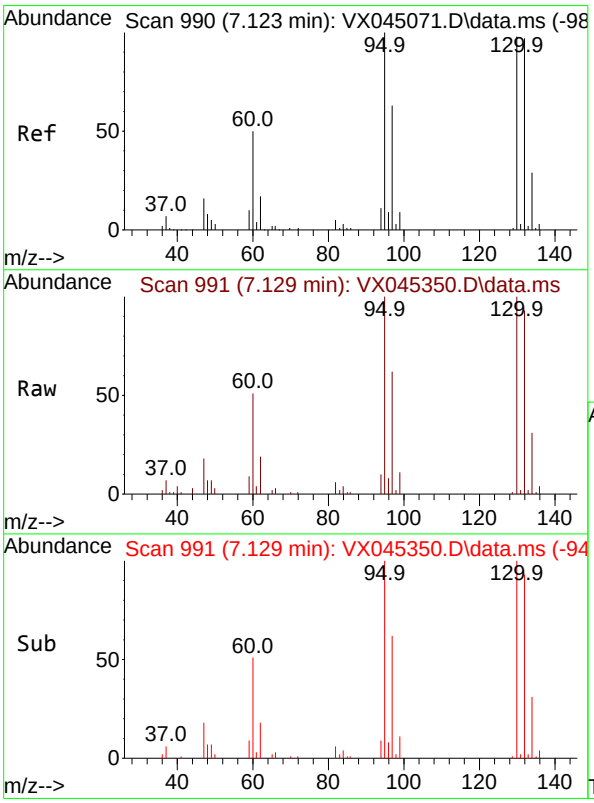
#43
Isopropyl Acetate
Concen: 21.091 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 62089

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.2	9.4	14.2

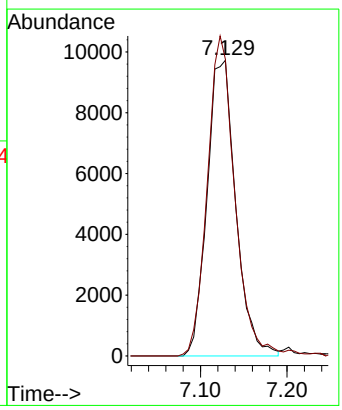


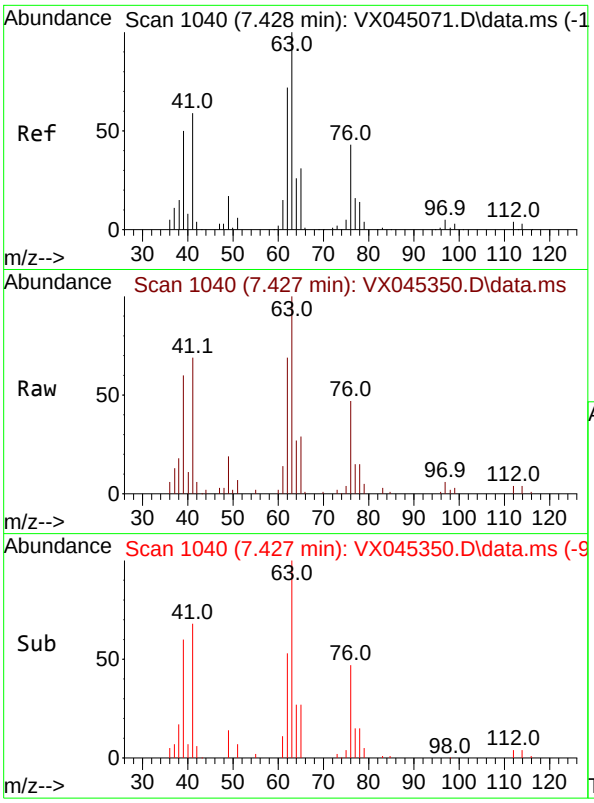


#44
Trichloroethene
Concen: 19.539 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:130 Resp: 22383

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



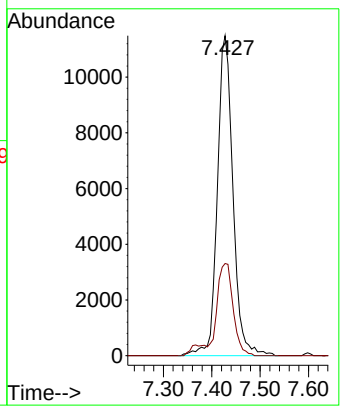


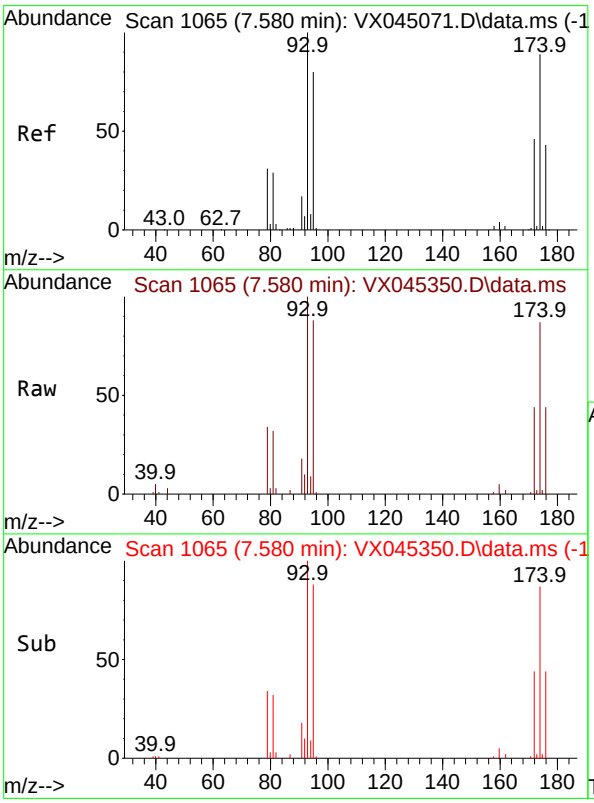
#45
1,2-Dichloropropane
Concen: 20.556 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 63 Resp: 25785

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.7	37.1

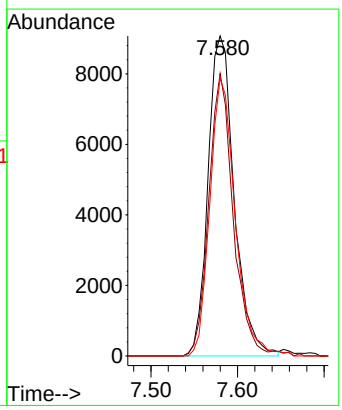


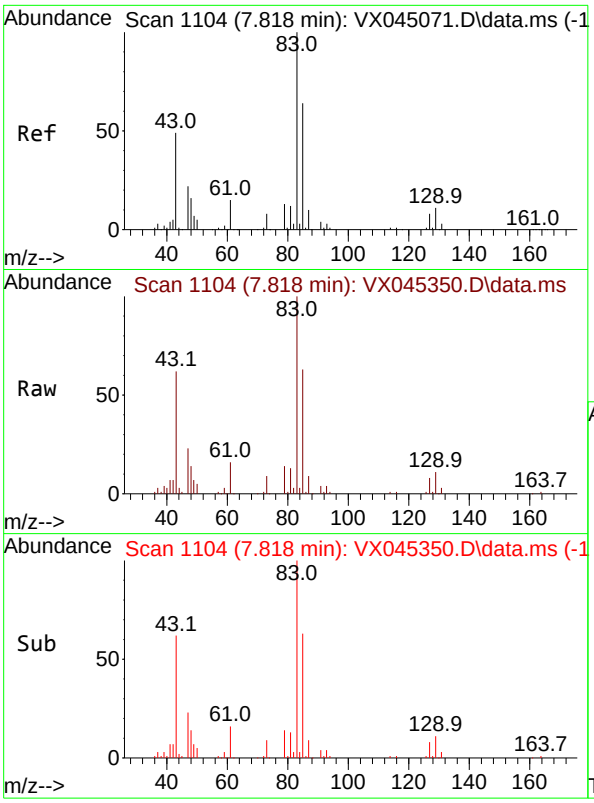


#46
Dibromomethane
Concen: 21.446 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 93 Resp: 19014

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.8
174	84.3	72.2	108.2



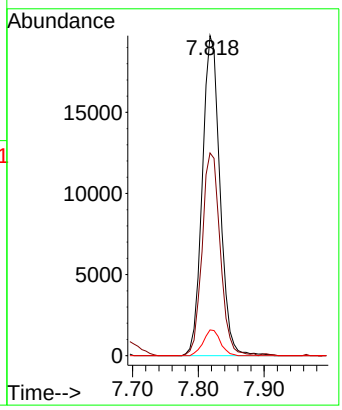


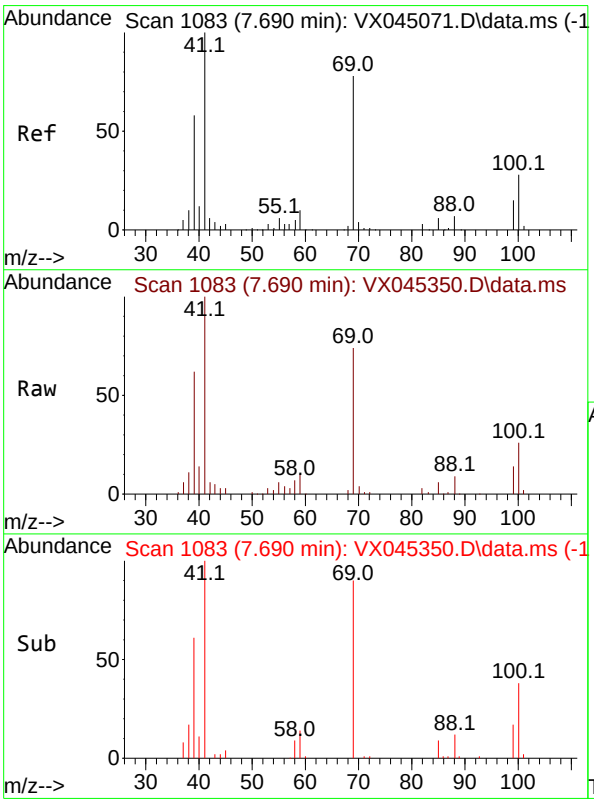
#47
Bromodichloromethane
Concen: 21.200 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 83 Resp: 36869

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	8.1	6.4	9.6

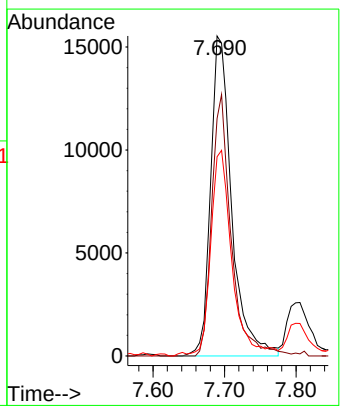


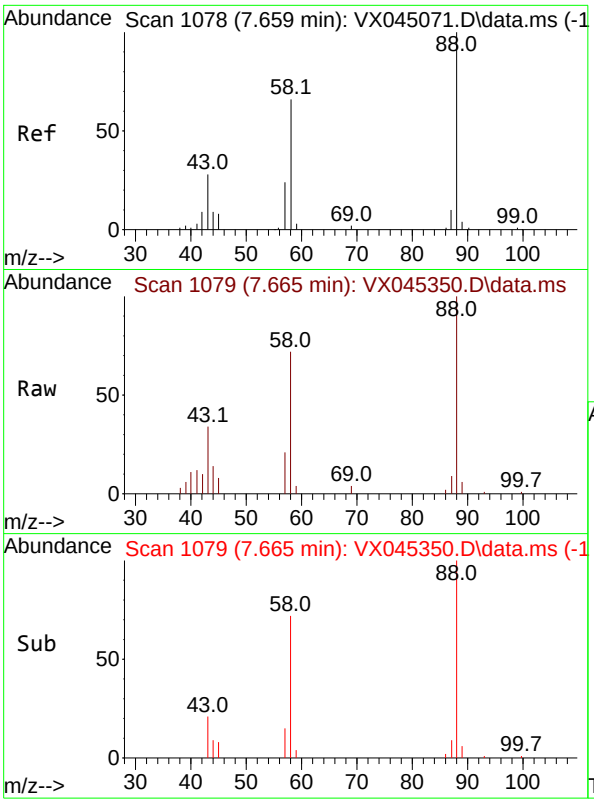


#48
Methyl methacrylate
Concen: 21.528 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 41 Resp: 31795

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	62.4	47.5	71.3



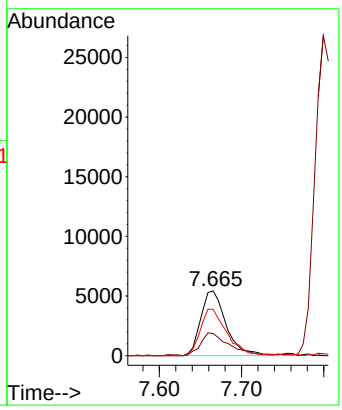


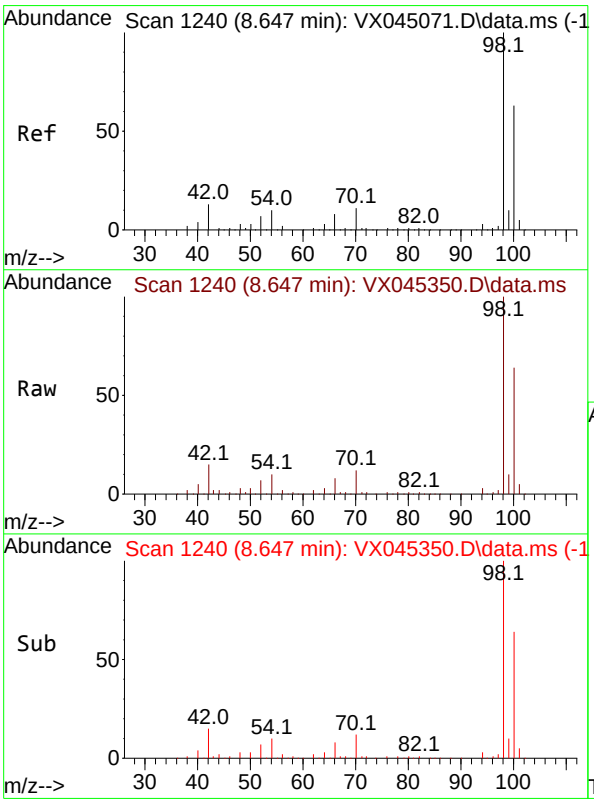
#49
1,4-Dioxane
Concen: 373.915 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 88 Resp: 11649

Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.7	43.1
58	75.6	55.8	83.8

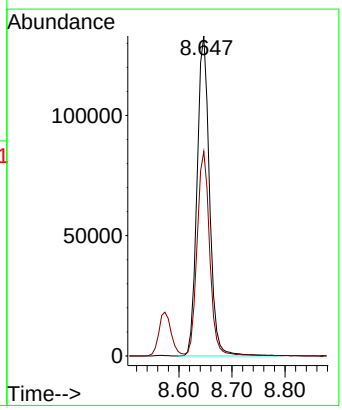


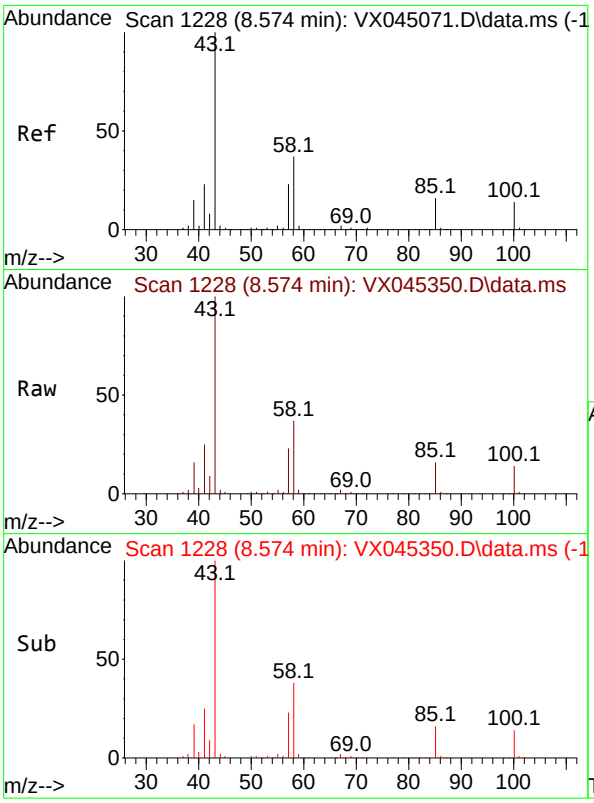


#50
Toluene-d8
Concen: 53.265 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 98 Resp: 217551

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



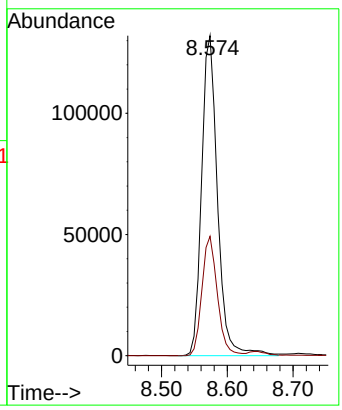


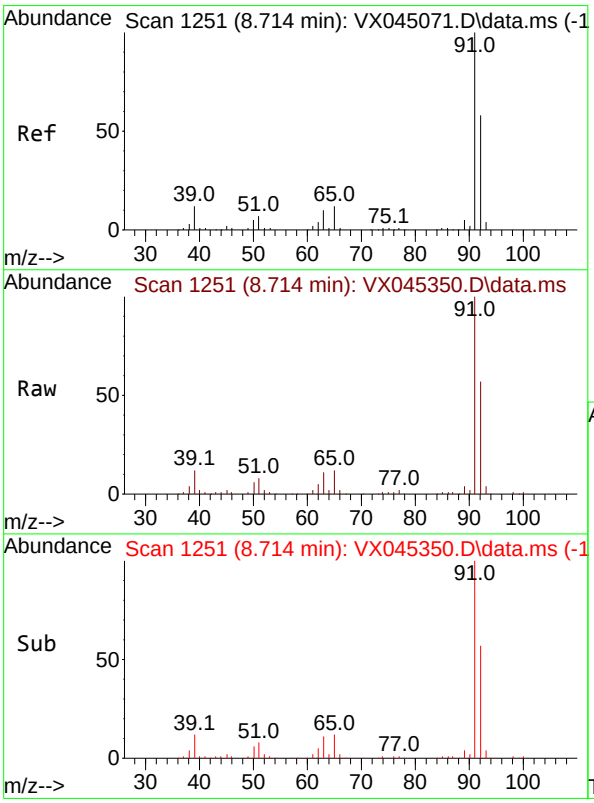
#51
4-Methyl-2-Pentanone
Concen: 112.487 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 222348

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

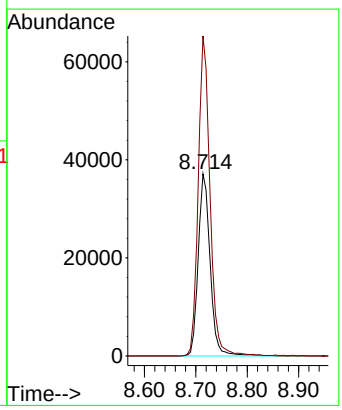


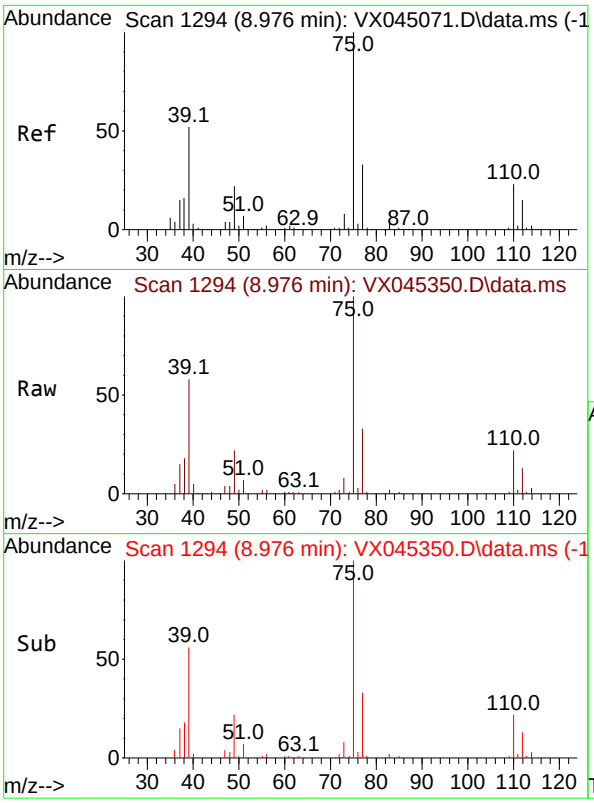


#52
Toluene
Concen: 20.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 92 Resp: 59792

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



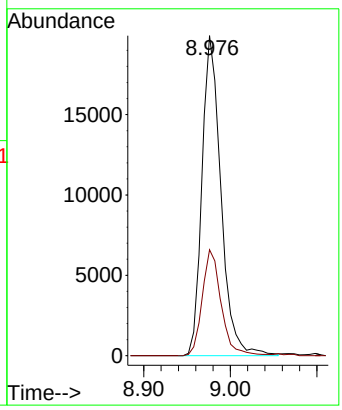


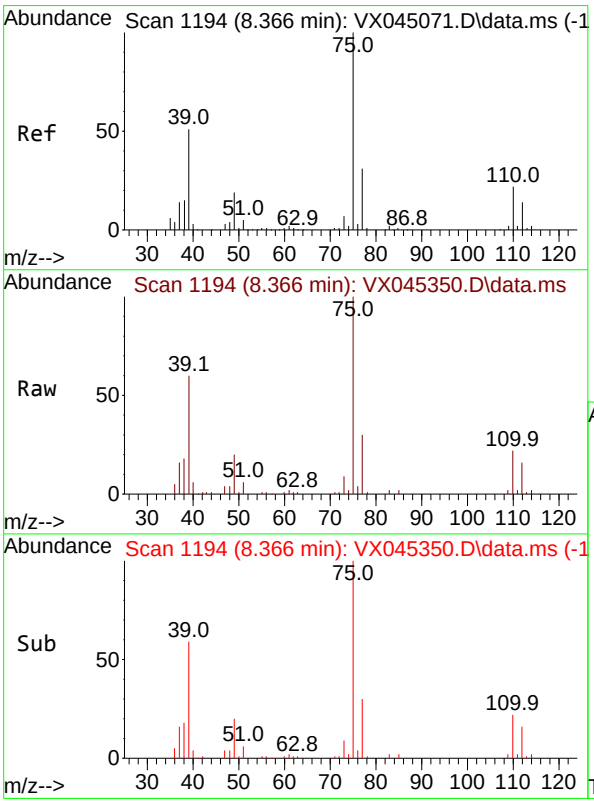
#53
t-1,3-Dichloropropene
Concen: 20.856 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 75 Resp: 30322

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

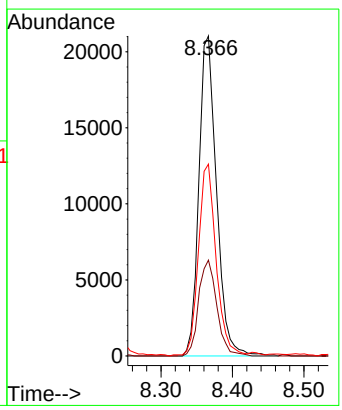


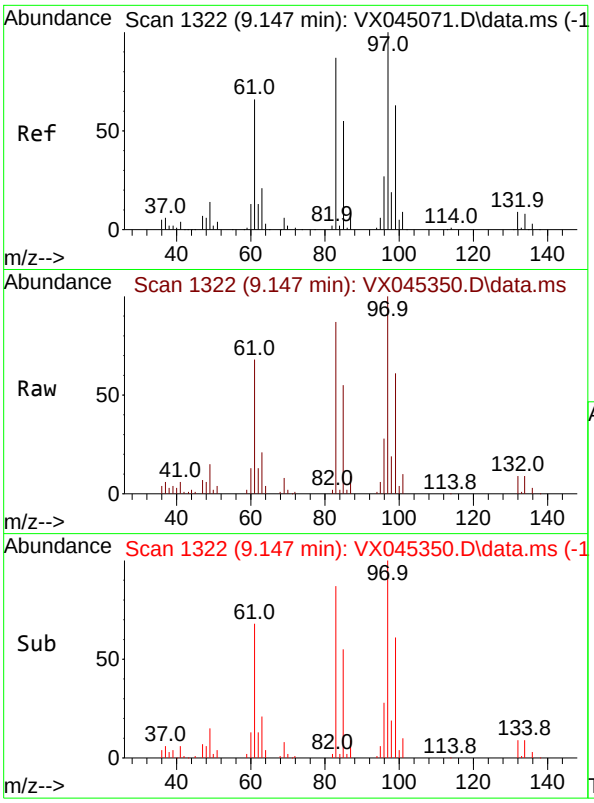


#54
cis-1,3-Dichloropropene
Concen: 21.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 36016

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1
39	59.6	40.7	61.1



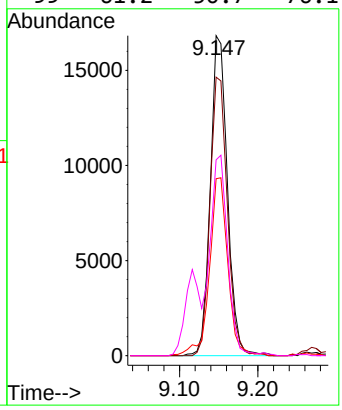


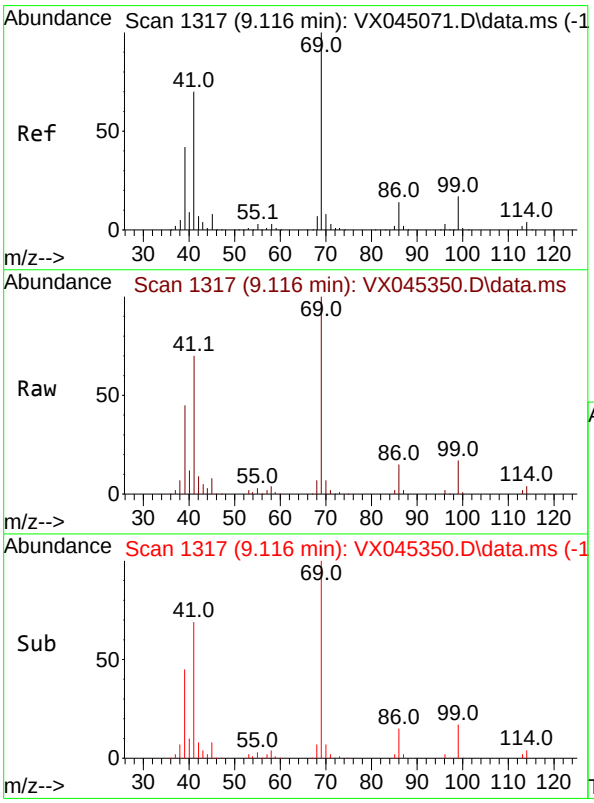
#55
1,1,2-Trichloroethane
Concen: 21.615 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 97 Resp: 25471

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.2
85	55.3	44.1	66.1
99	61.2	50.7	76.1

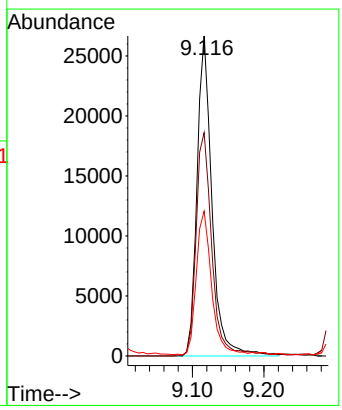


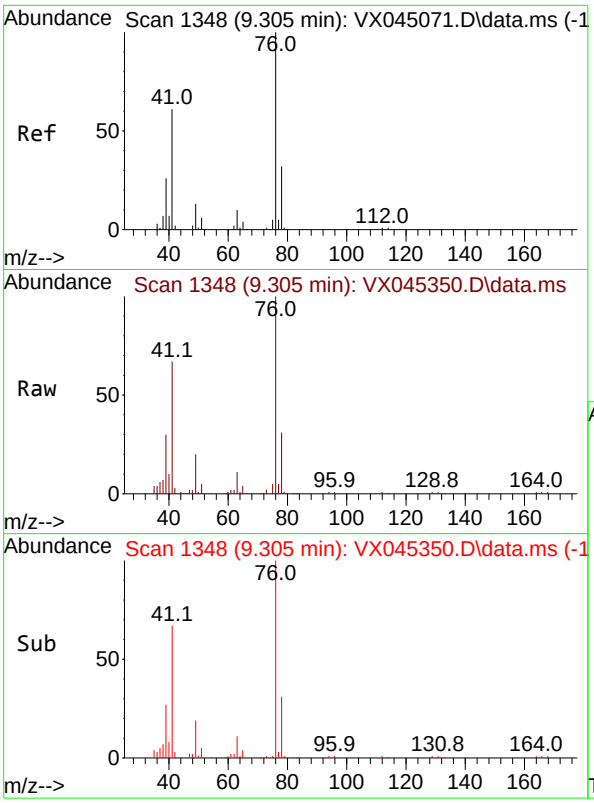


#56
Ethyl methacrylate
Concen: 21.557 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 69 Resp: 38614

Ion	Ratio	Lower	Upper
69	100		
41	74.4	57.0	85.4
39	45.4	34.2	51.4



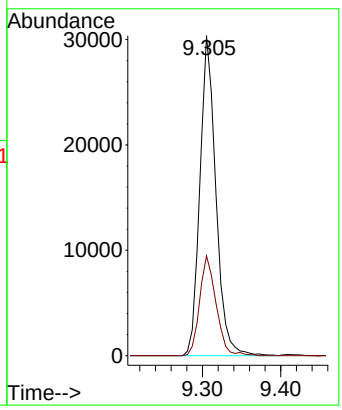


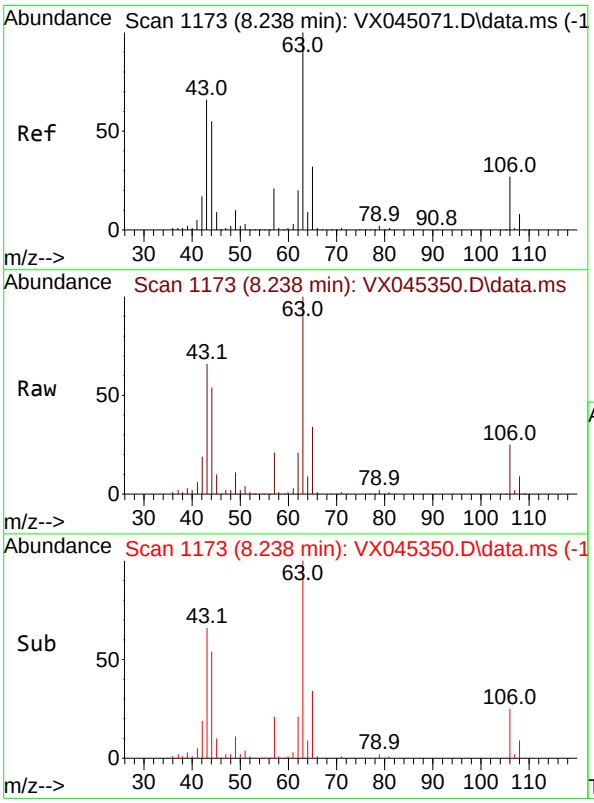
#57
1,3-Dichloropropane
Concen: 21.077 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 76 Resp: 42984

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

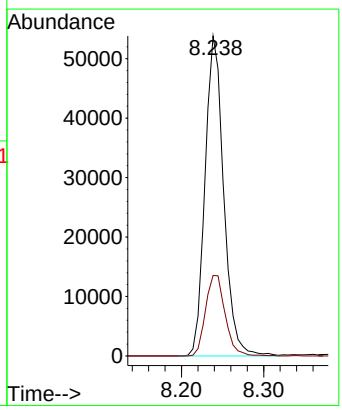


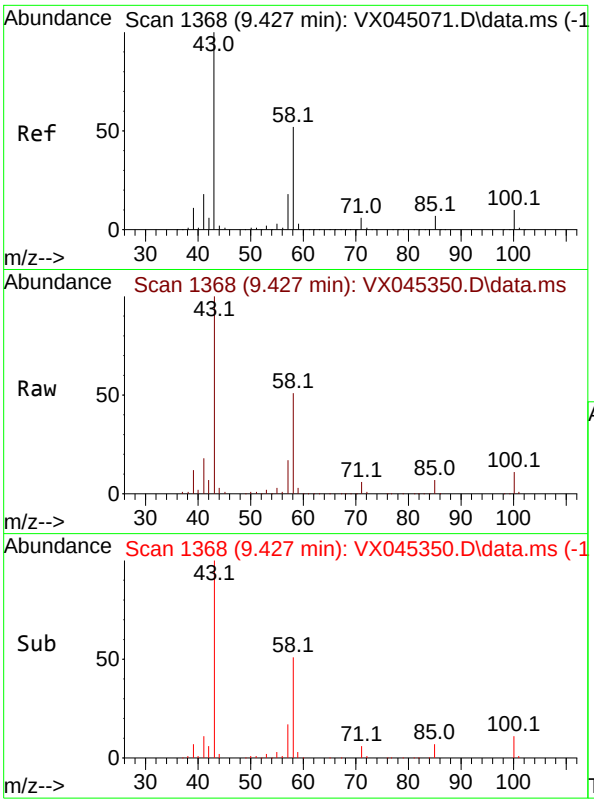


#58
2-Chloroethyl Vinyl ether
Concen: 97.136 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 63 Resp: 84877

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



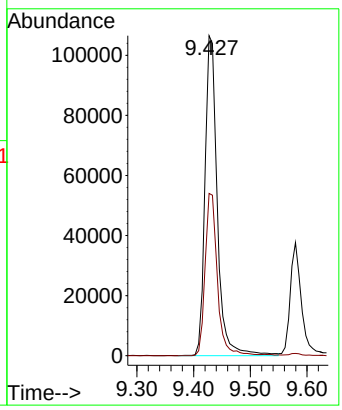


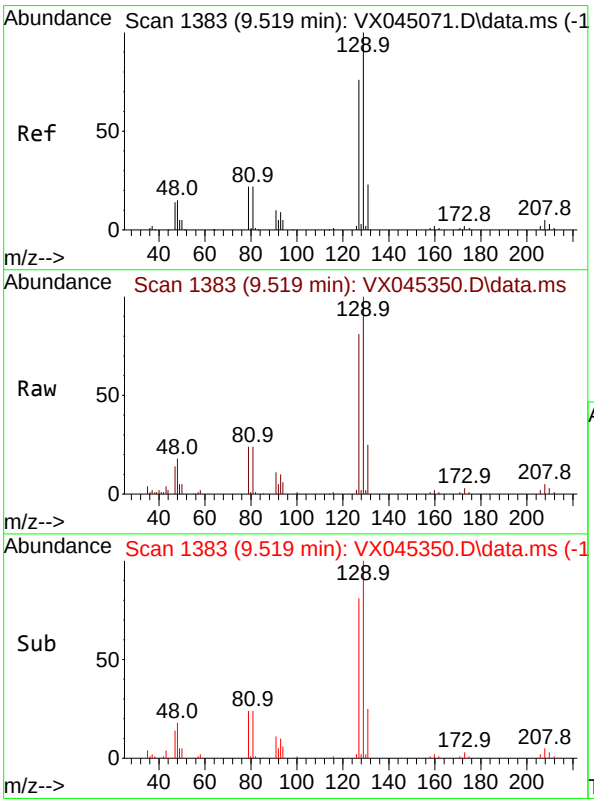
#59
2-Hexanone
Concen: 112.560 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 43 Resp: 161205

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

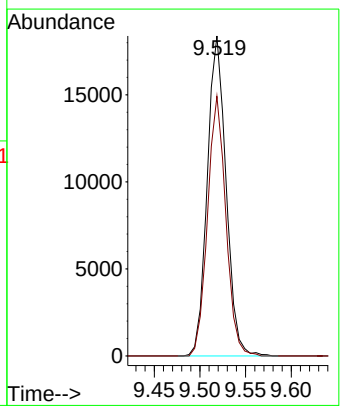


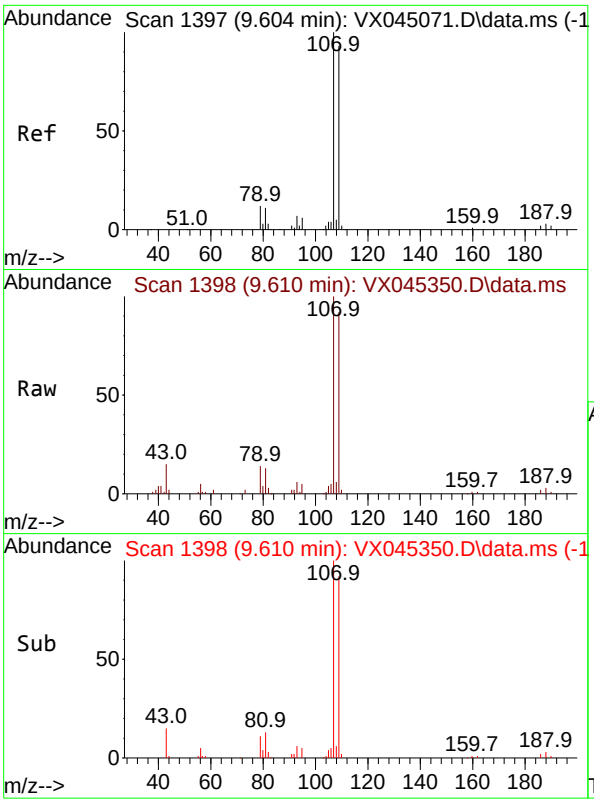


#60
Dibromochloromethane
Concen: 21.377 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:129 Resp: 26339

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.5	115.5



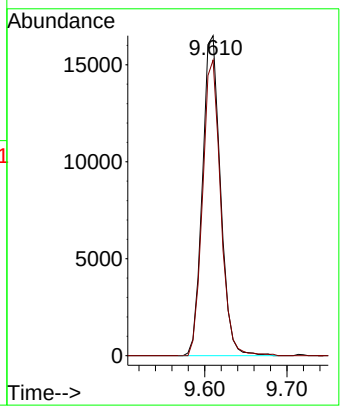


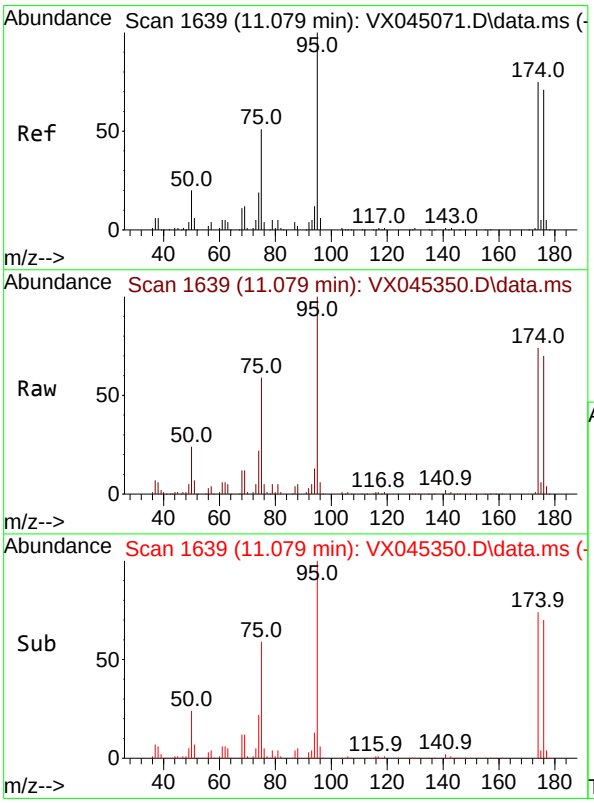
#61
1,2-Dibromoethane
Concen: 21.403 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:107 Resp: 25179

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1

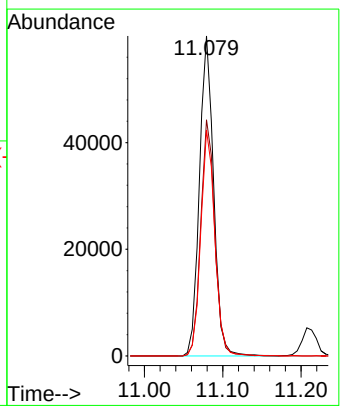


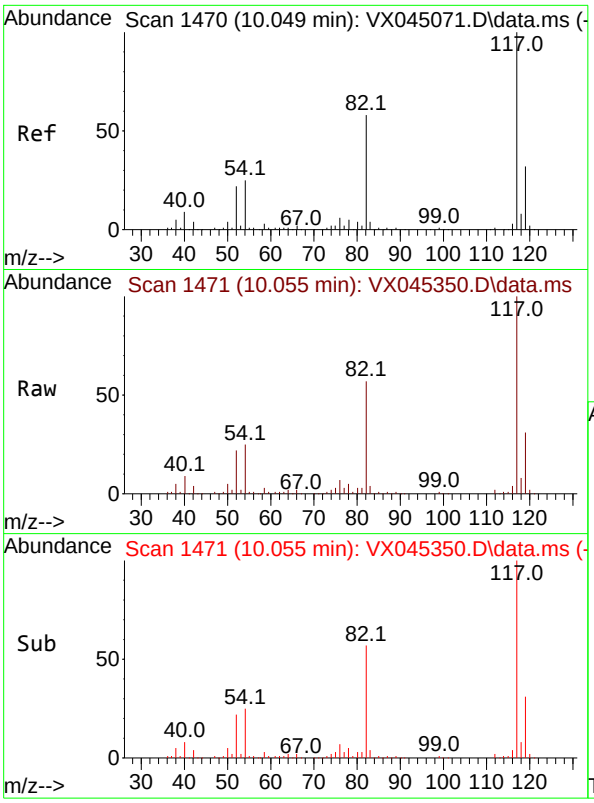


#62
4-Bromofluorobenzene
Concen: 55.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 95 Resp: 75333

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	70.2	0.0	141.4



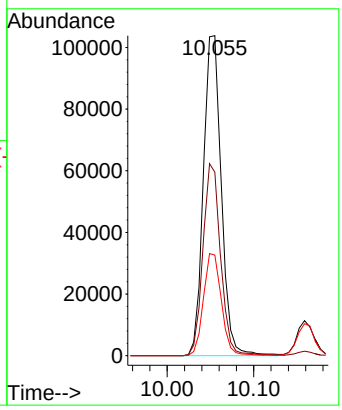


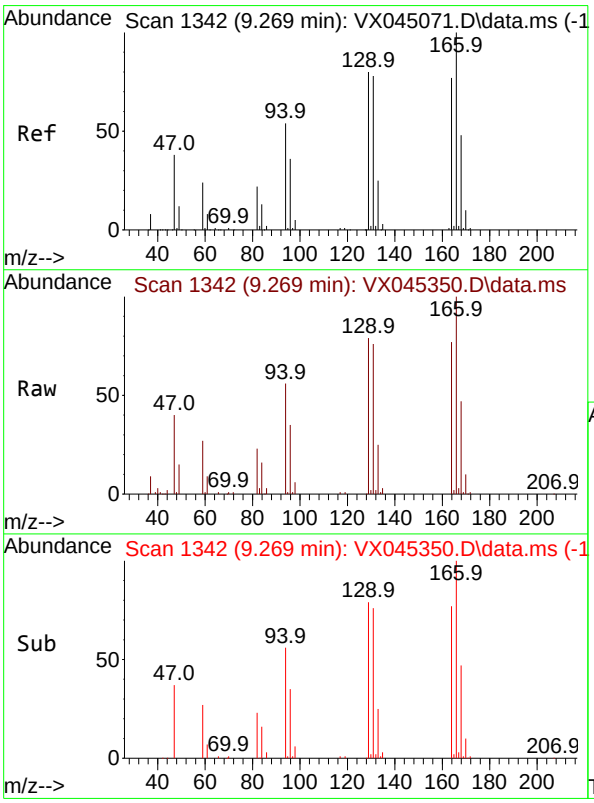
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:117 Resp: 149499

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	31.5	25.7	38.5

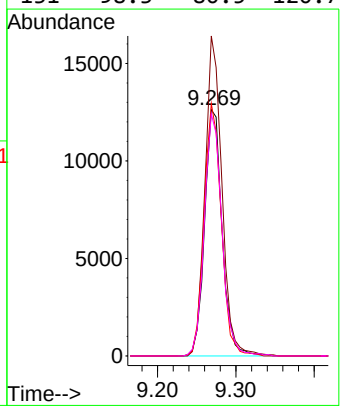


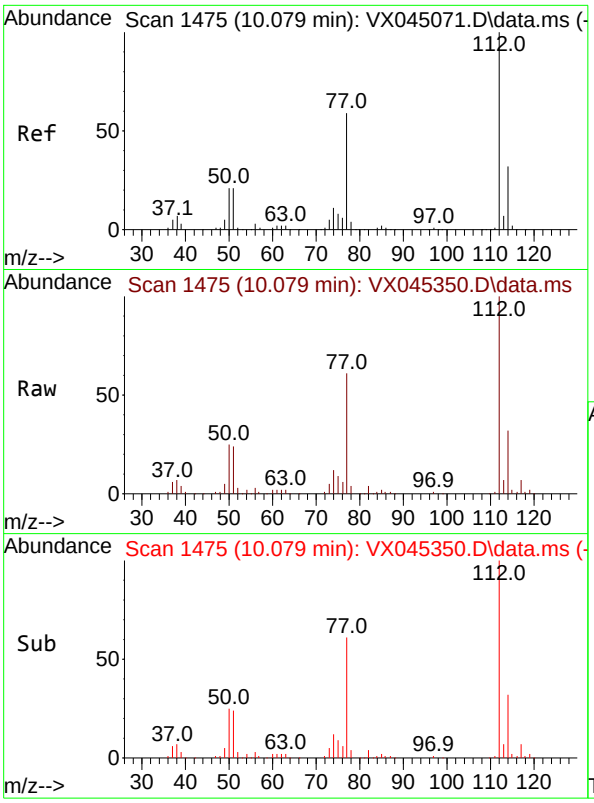


#64
Tetrachloroethene
Concen: 20.418 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:164 Resp: 19550

Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.6	155.4
129	102.5	82.7	124.1
131	98.3	80.5	120.7



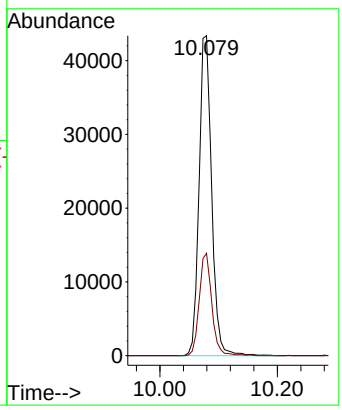


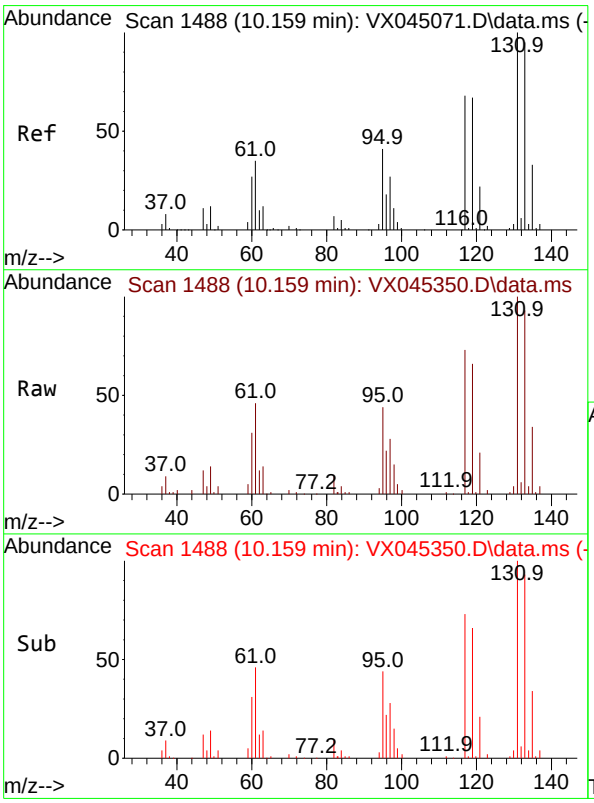
#65
Chlorobenzene
Concen: 20.437 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:112 Resp: 64649

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0

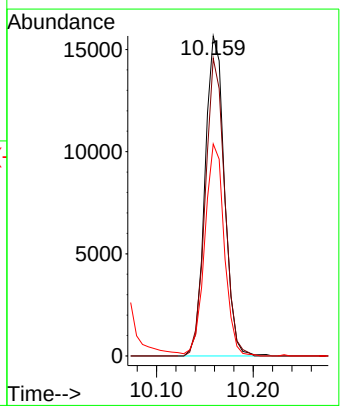


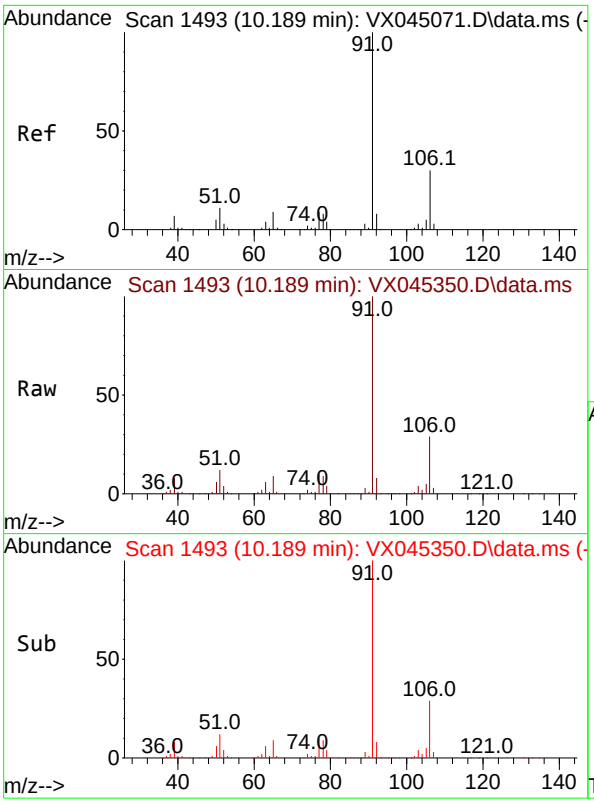


#66
1,1,1,2-Tetrachloroethane
Concen: 20.749 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:131 Resp: 21858

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.6	145.9
119	66.5	33.9	101.7



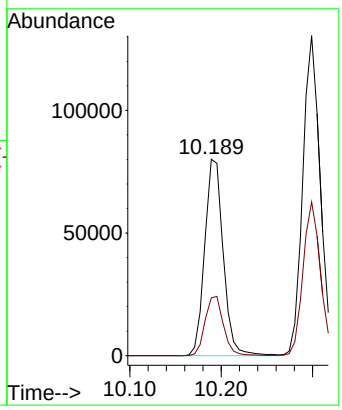


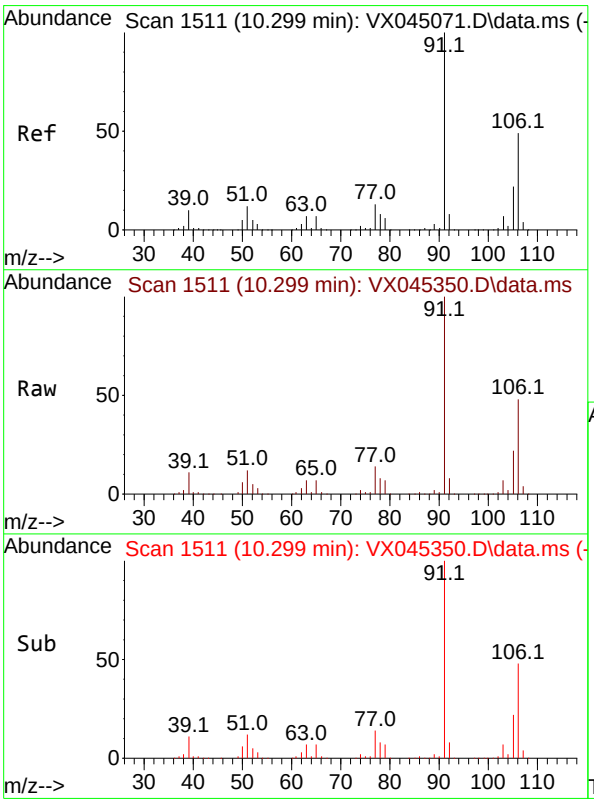
#67
Ethyl Benzene
Concen: 20.445 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 91 Resp: 112693

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

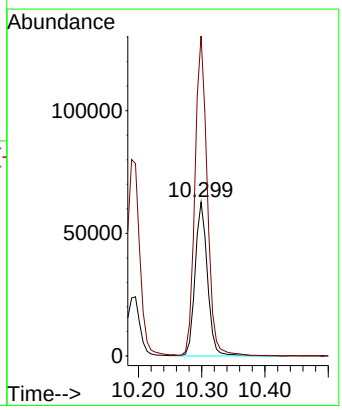


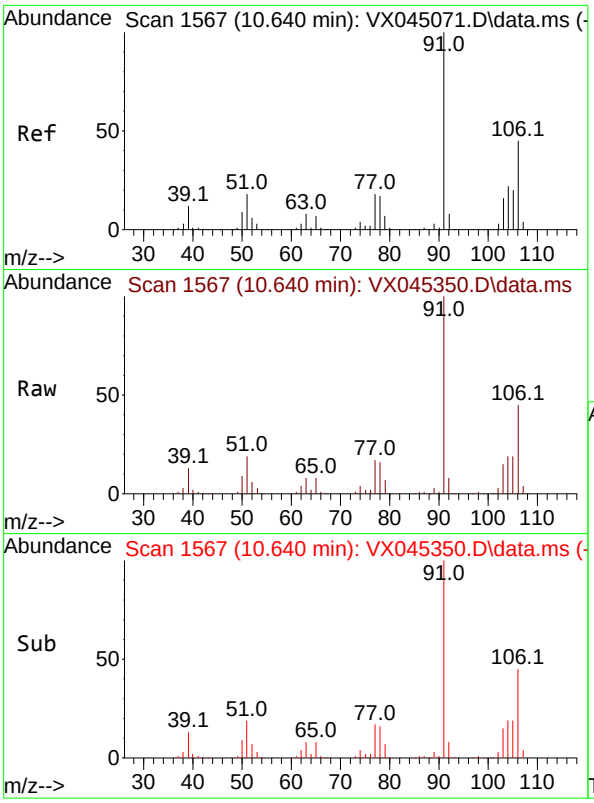


#68
m/p-Xylenes
Concen: 42.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:106 Resp: 85116

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.4	248.0



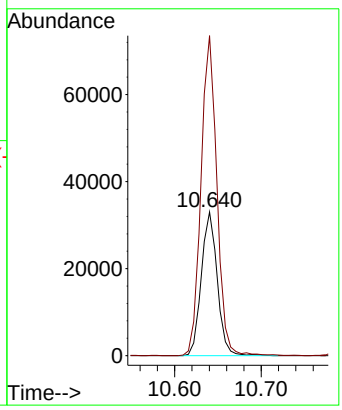


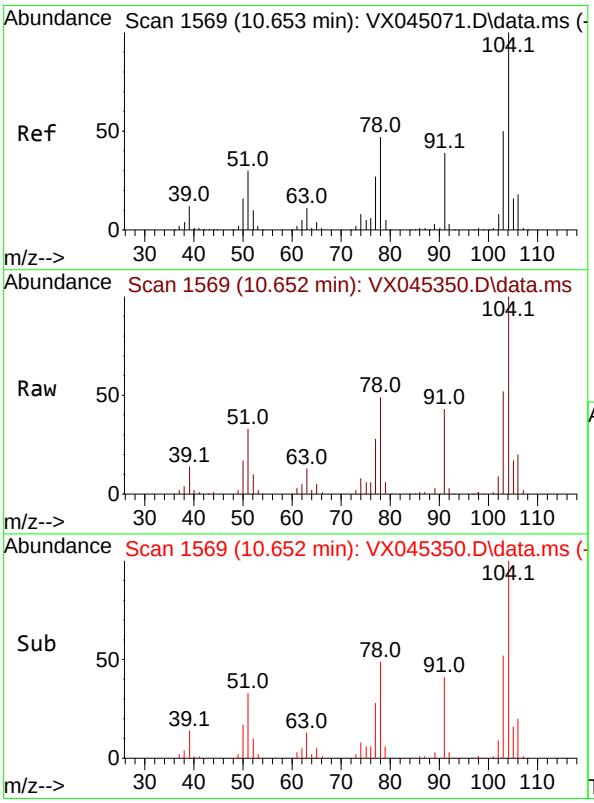
#69
o-Xylene
Concen: 20.699 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:106 Resp: 42125

Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6

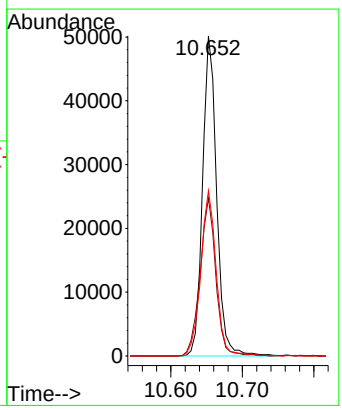


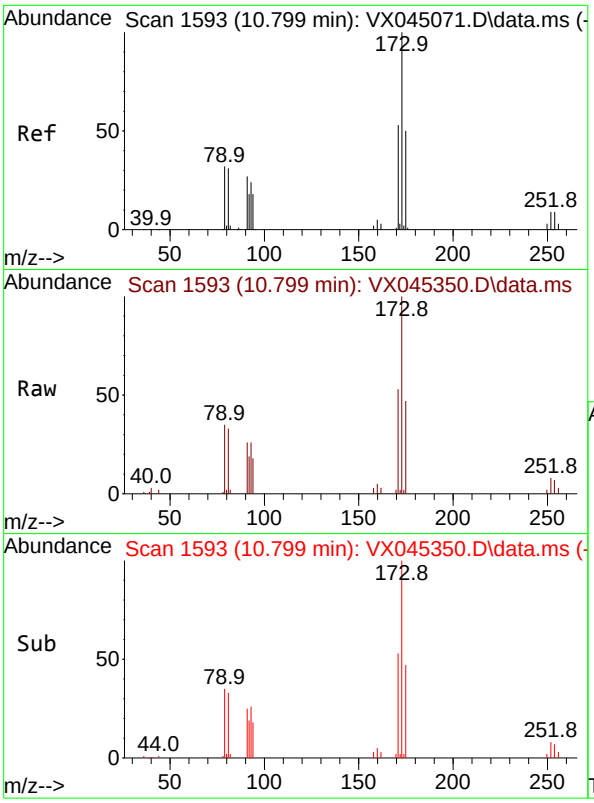


#70
Styrene
Concen: 20.888 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:104 Resp: 68782

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	56.5	43.8	65.8



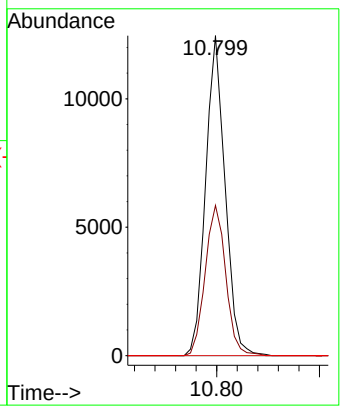


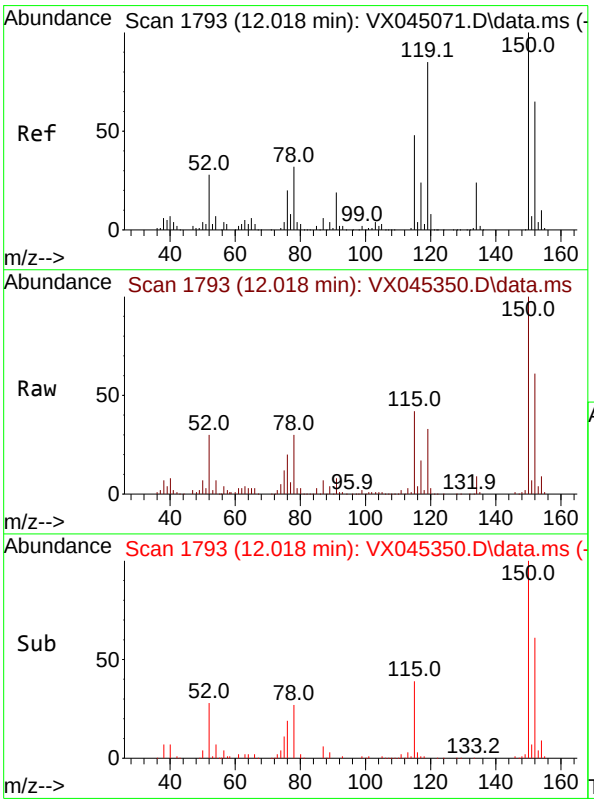
#71
Bromoform
Concen: 20.565 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:173 Resp: 16337

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	73.6
254	0.0	0.0	0.0

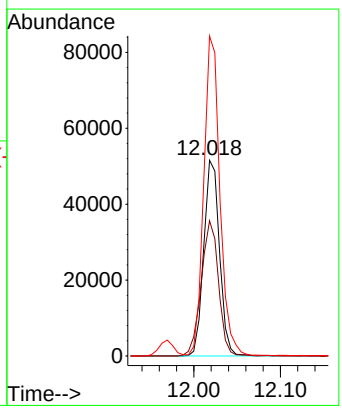


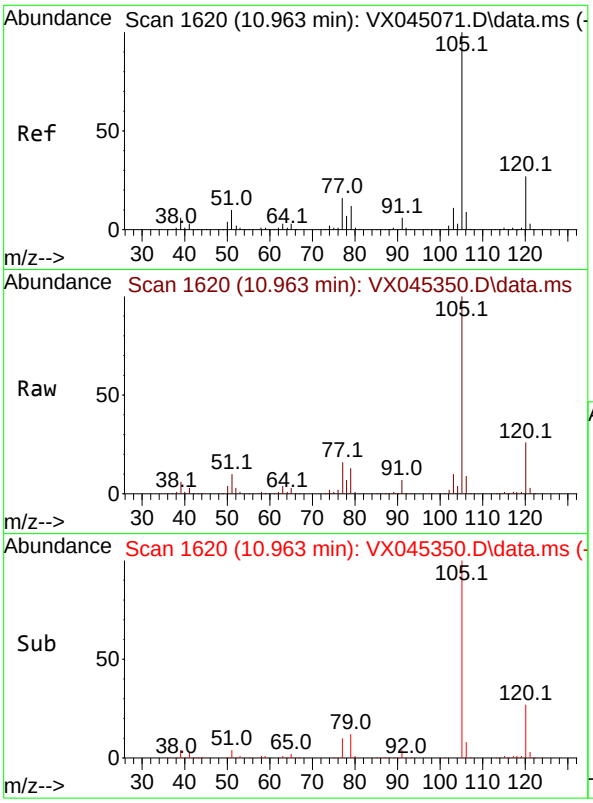


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:152 Resp: 65210

Ion	Ratio	Lower	Upper
152	100		
115	75.6	44.2	132.6
150	167.0	0.0	349.0



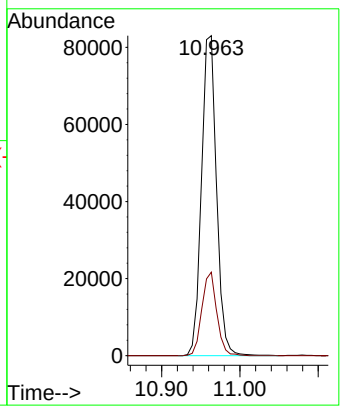


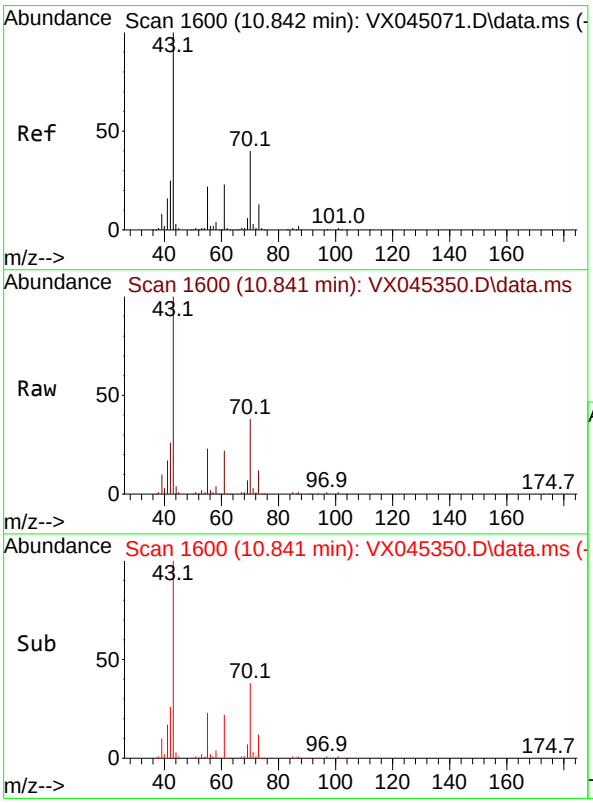
#73
Isopropylbenzene
Concen: 21.707 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:105 Resp: 110486

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

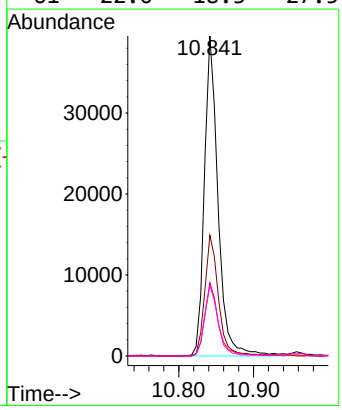


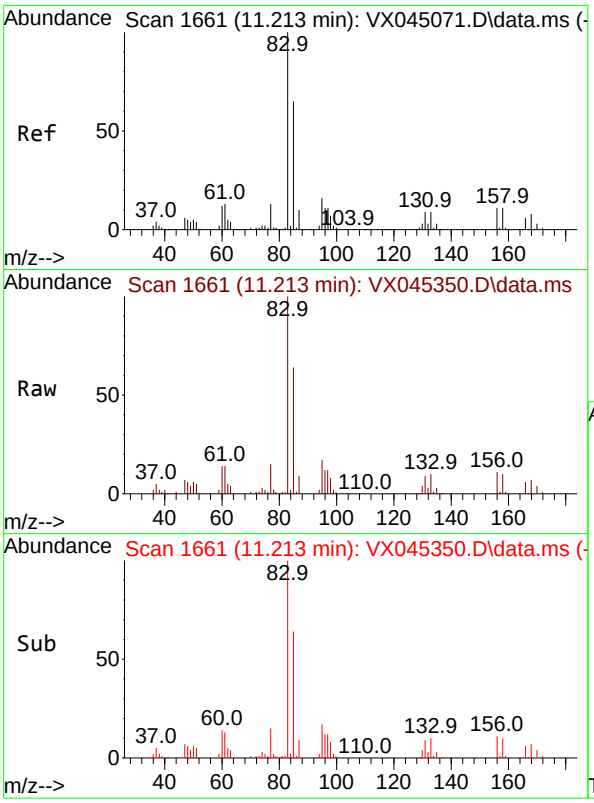


#74
N-amyl acetate
Concen: 20.996 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 43 Resp: 50145

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.8	47.6
55	23.2	18.3	27.5
61	22.0	18.3	27.5



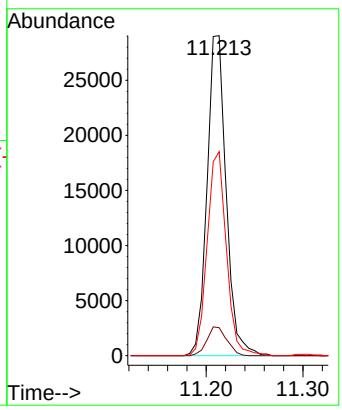


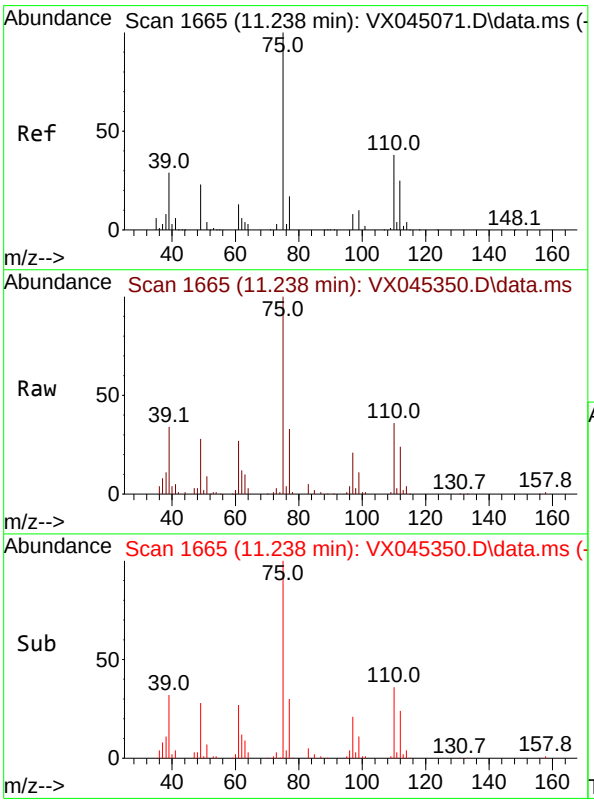
#75
1,1,2,2-Tetrachloroethane
Concen: 21.363 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 83 Resp: 39901

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.9	31.7	95.1

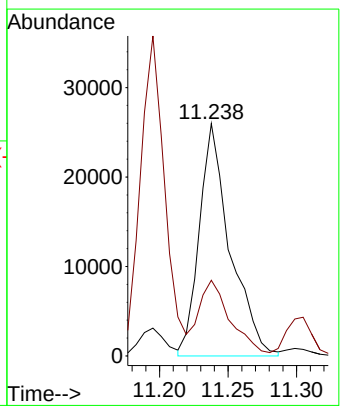


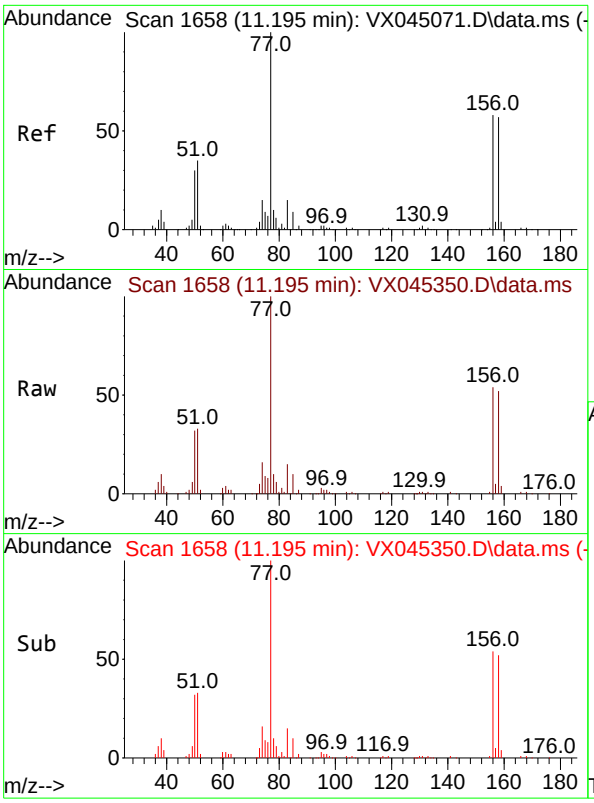


#76
1,2,3-Trichloropropane
Concen: 26.773 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 40635

Ion	Ratio	Lower	Upper
75	100		
77	33.6	20.7	62.1



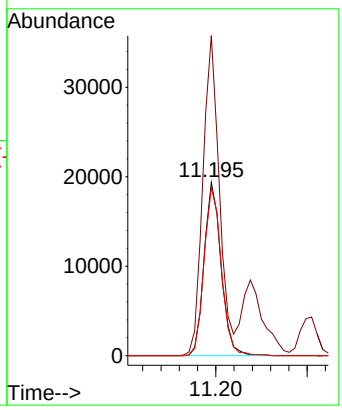


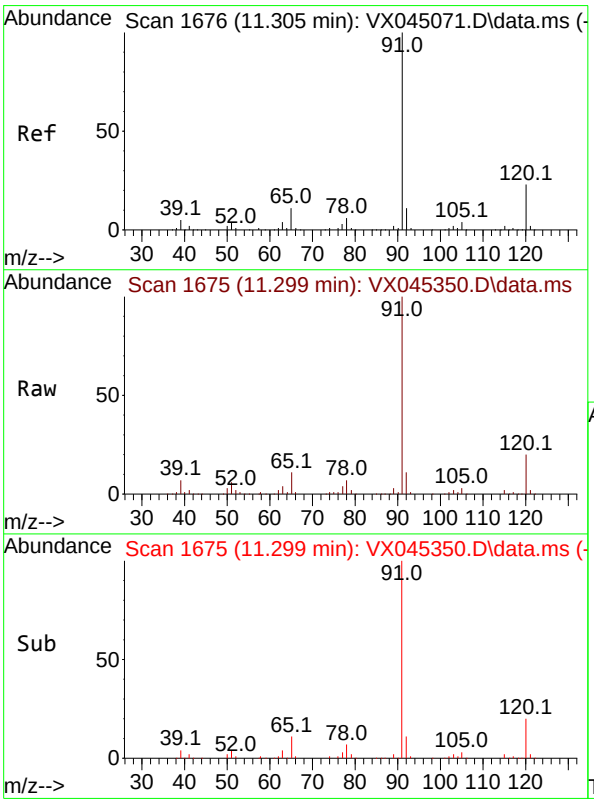
#77
Bromobenzene
Concen: 20.758 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:156 Resp: 24928

Ion	Ratio	Lower	Upper
156	100		
77	179.0	85.8	257.4
158	98.4	48.4	145.2

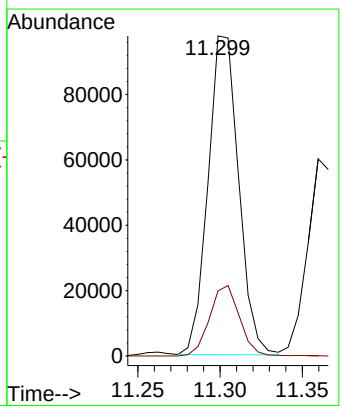


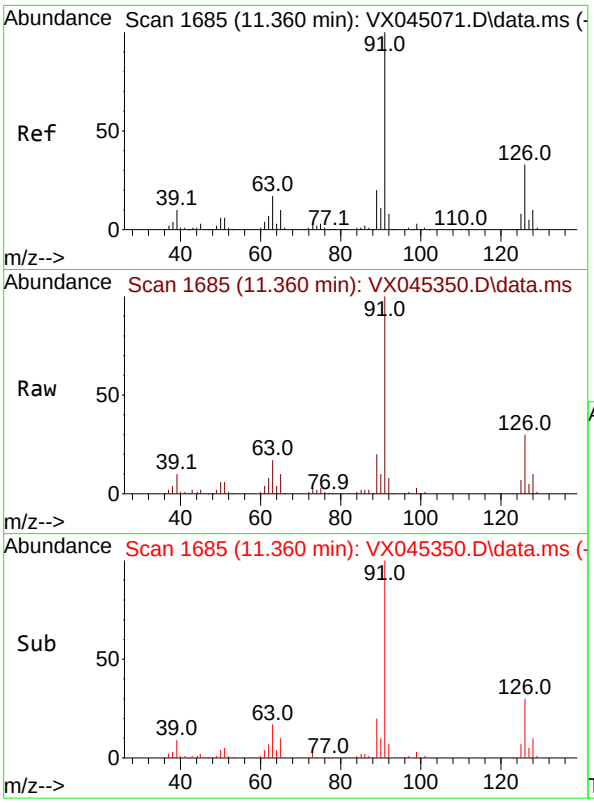


#78
n-propylbenzene
Concen: 22.004 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 126518

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



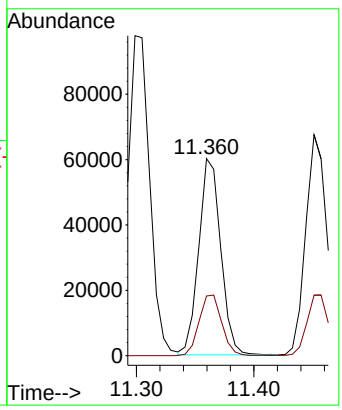


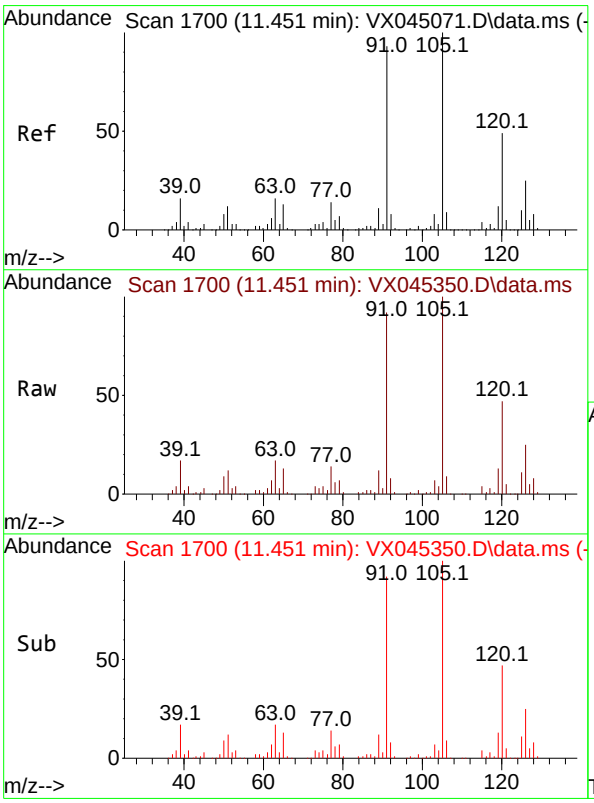
#79
2-Chlorotoluene
Concen: 21.386 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 91 Resp: 78311

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4

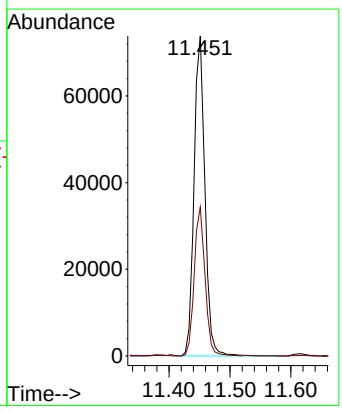


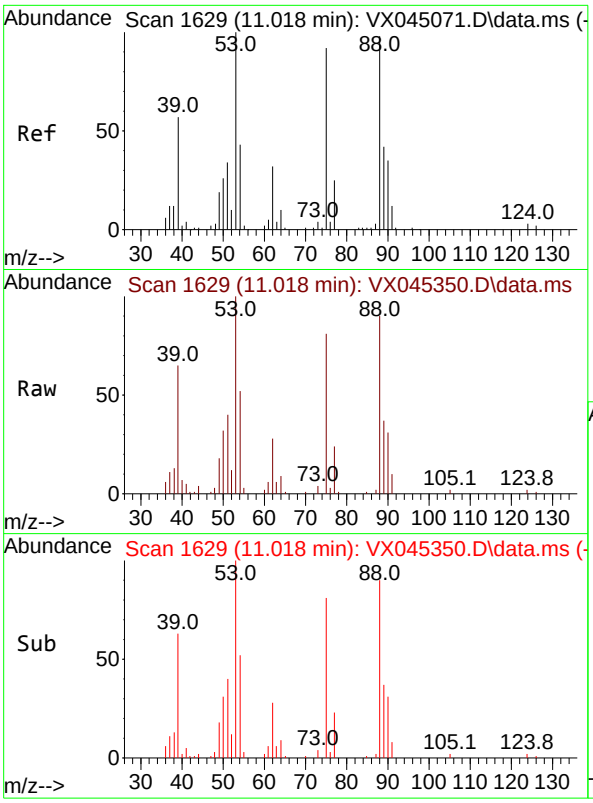


#80
1,3,5-Trimethylbenzene
Concen: 22.175 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 91263

Ion	Ratio	Lower	Upper
105	100		
120	46.4	24.1	72.2



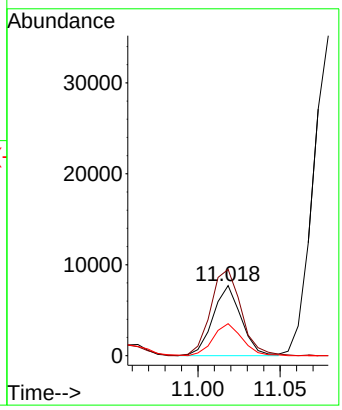


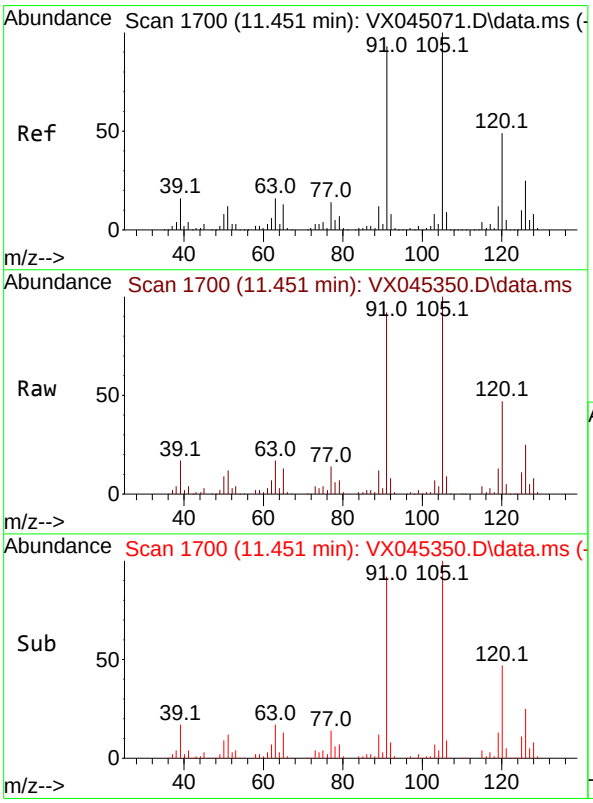
#81
trans-1,4-Dichloro-2-butene
Concen: 20.800 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 75 Resp: 9225

Ion	Ratio	Lower	Upper
75	100		
53	133.1	88.5	132.7#
89	46.5	36.2	54.4

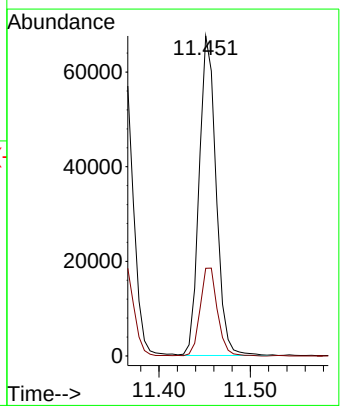


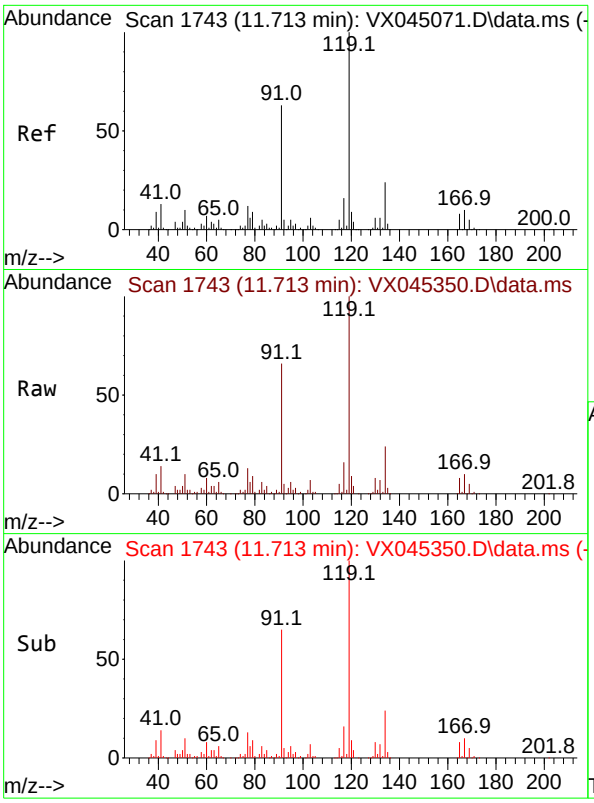


#82
4-Chlorotoluene
Concen: 21.721 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 91 Resp: 86685

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4



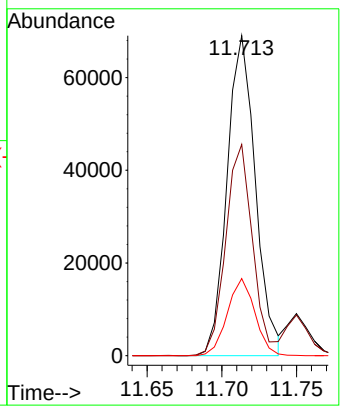


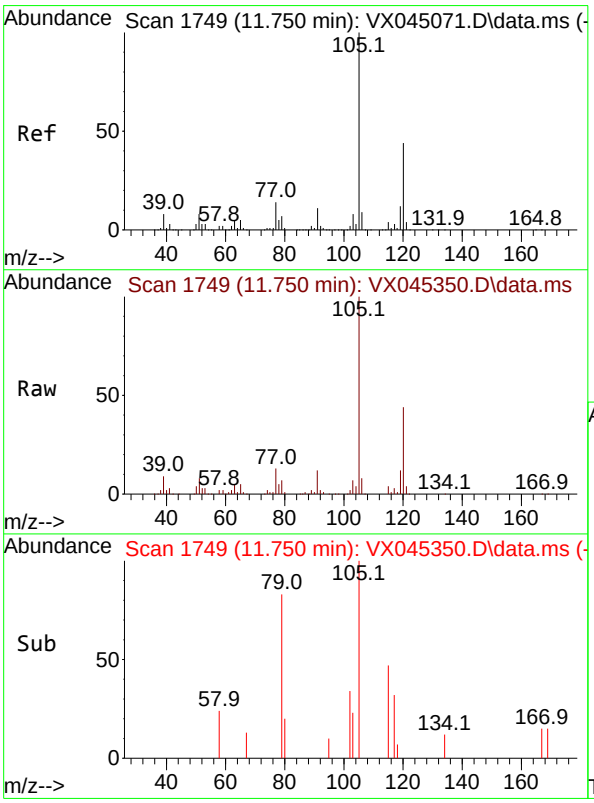
#83
tert-Butylbenzene
Concen: 21.535 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:119 Resp: 91062

Ion	Ratio	Lower	Upper
119	100		
91	63.2	30.7	92.1
134	23.5	11.7	35.0

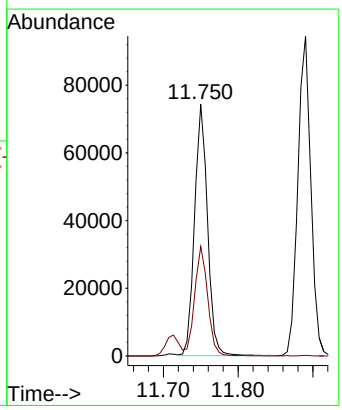


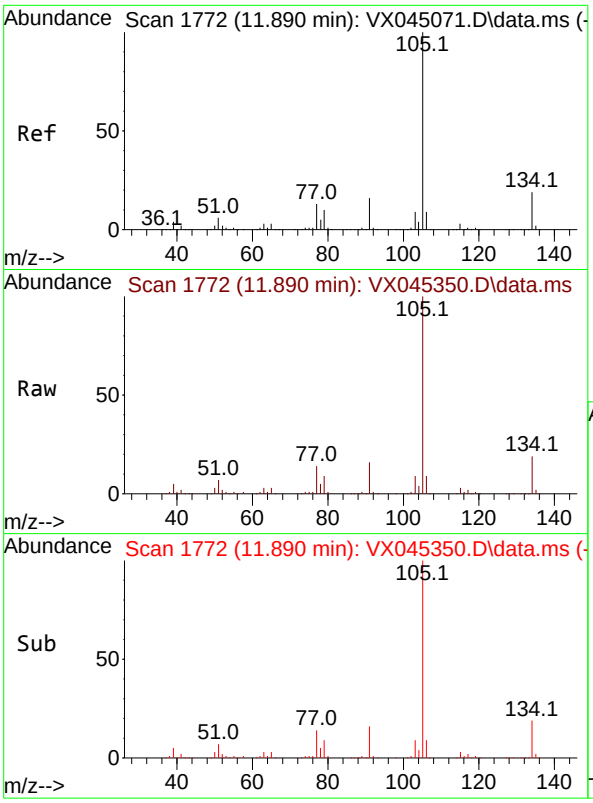


#84
1,2,4-Trimethylbenzene
Concen: 21.617 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:105 Resp: 89517

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



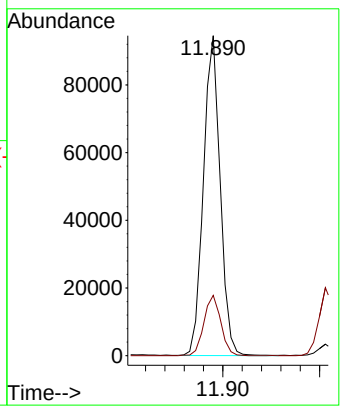


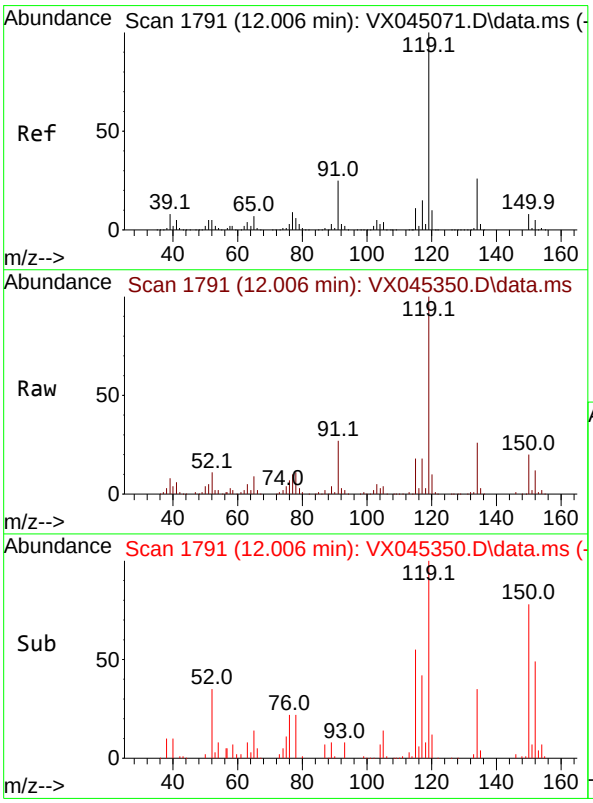
#85
sec-Butylbenzene
Concen: 22.499 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:105 Resp: 113963

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

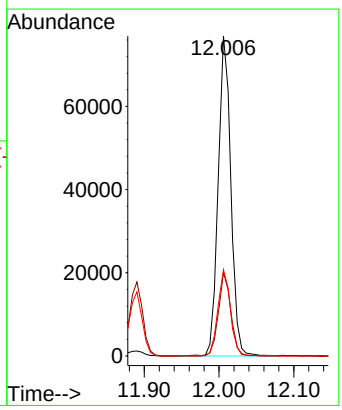


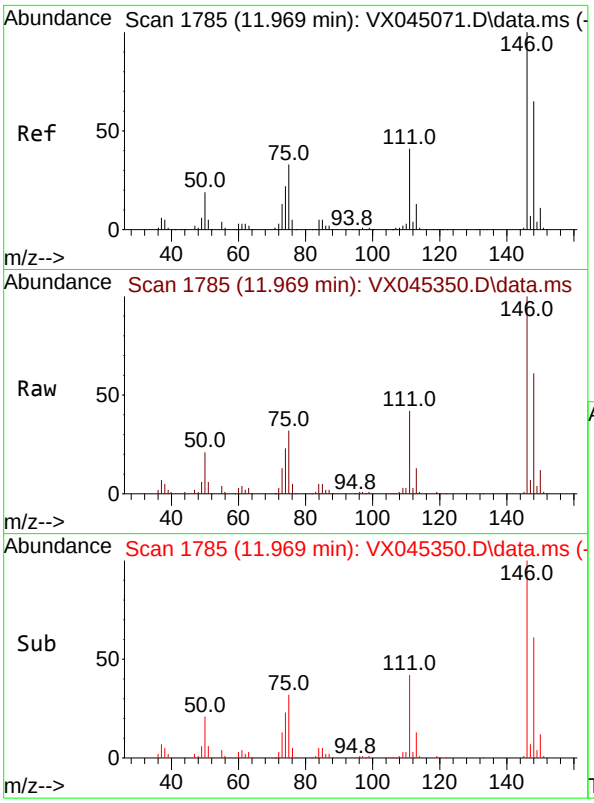


#86
p-Isopropyltoluene
Concen: 22.123 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:119 Resp: 90559

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.7	12.7	38.0



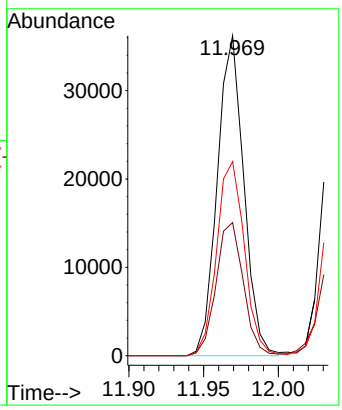


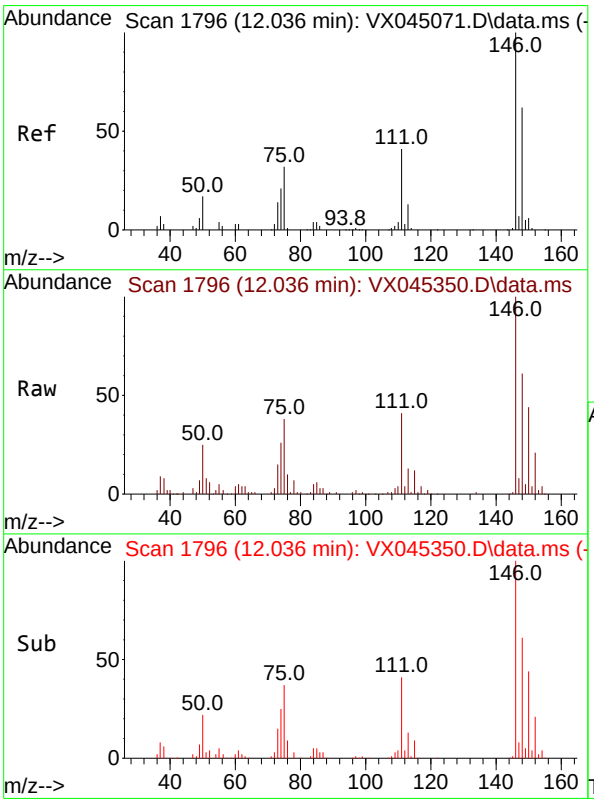
#87
1,3-Dichlorobenzene
Concen: 20.853 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:146 Resp: 44674

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.9	95.7

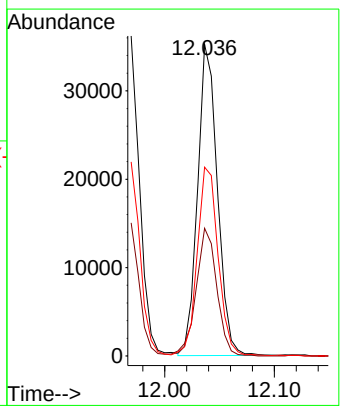


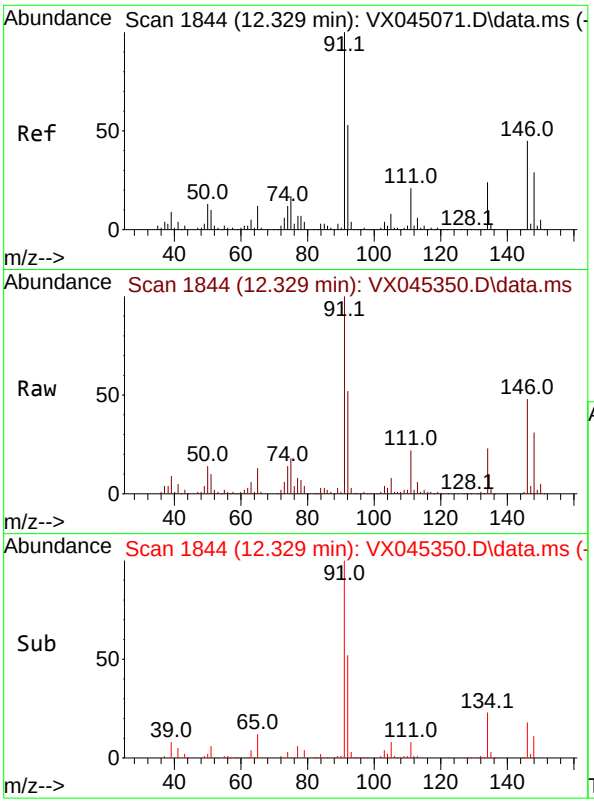


#88
1,4-Dichlorobenzene
Concen: 20.434 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:146 Resp: 44289

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.2	60.5
148	63.9	31.9	95.9



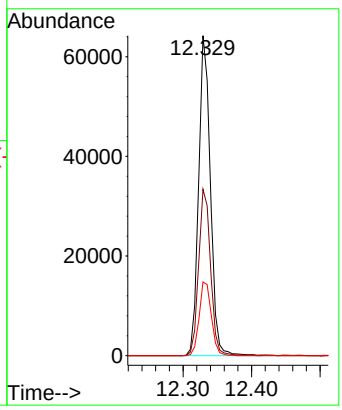


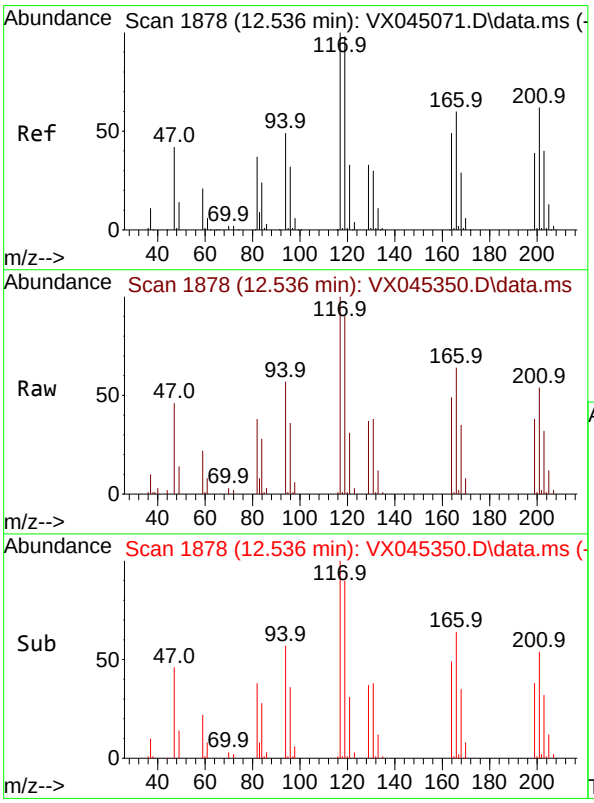
#89
n-Butylbenzene
Concen: 21.789 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion: 91 Resp: 76819

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.7	80.0
134	23.8	12.2	36.6

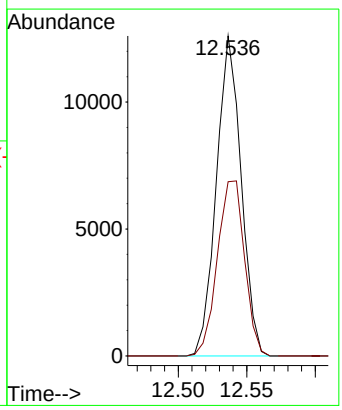


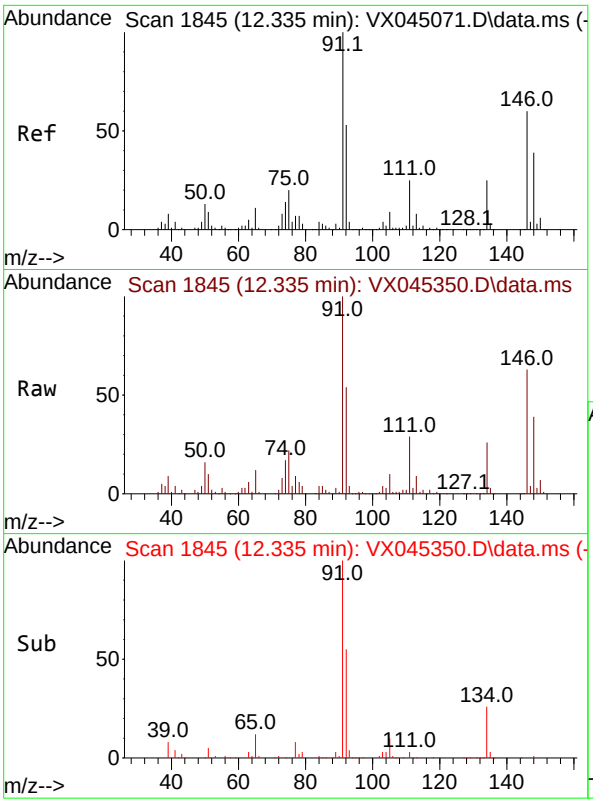


#90
Hexachloroethane
Concen: 21.372 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:117 Resp: 15824

Ion	Ratio	Lower	Upper
117	100		
201	60.3	31.9	95.9



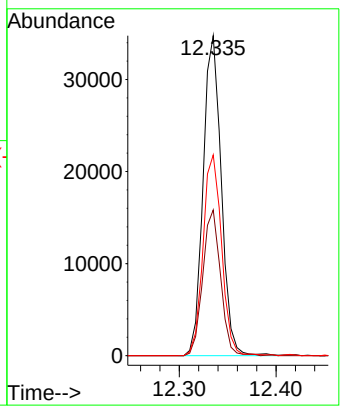


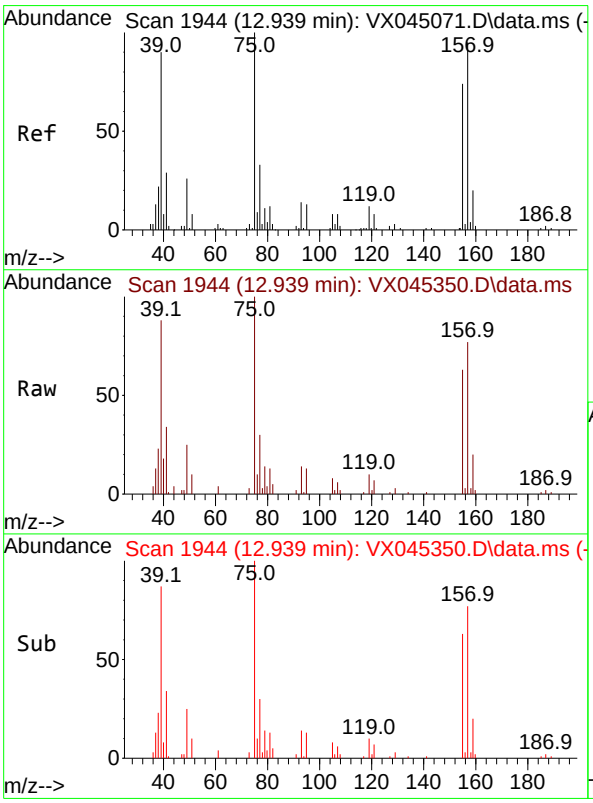
#91
1,2-Dichlorobenzene
Concen: 21.144 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:146 Resp: 45440

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	65.0
148	64.3	31.9	95.9

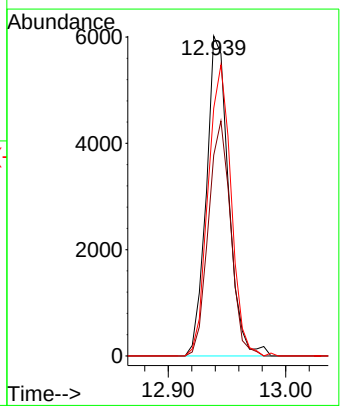


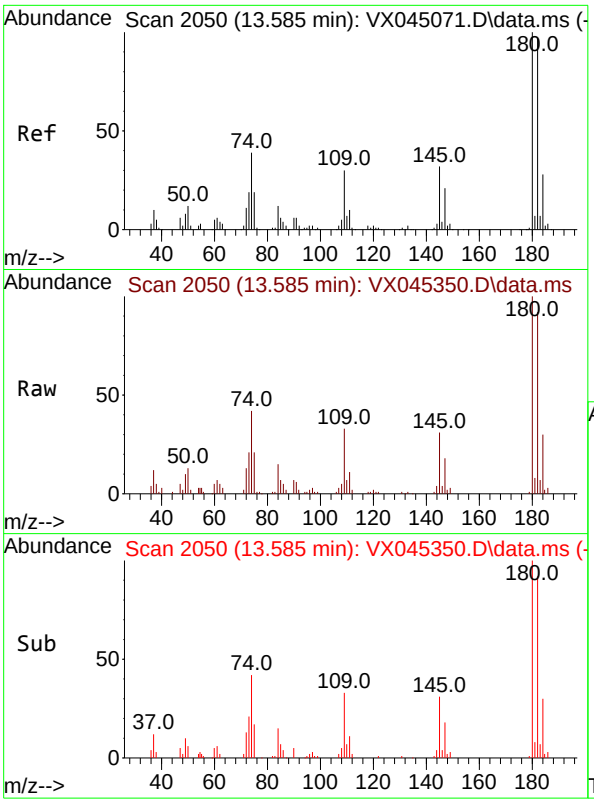


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.774 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion: 75 Resp: 7923

Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.6	118.7
157	94.3	51.1	153.4



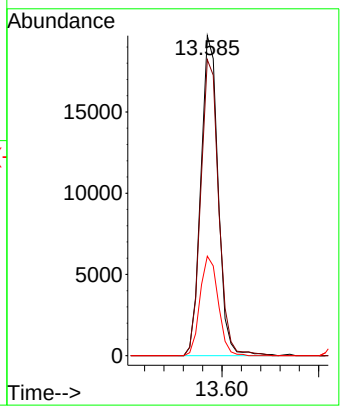


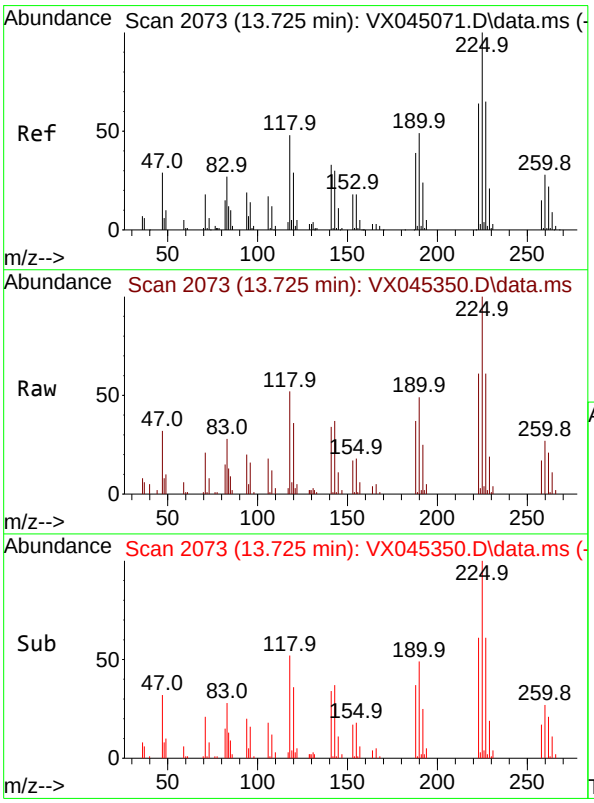
#93
1,2,4-Trichlorobenzene
Concen: 20.027 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:180 Resp: 24507

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	32.6	16.3	48.9

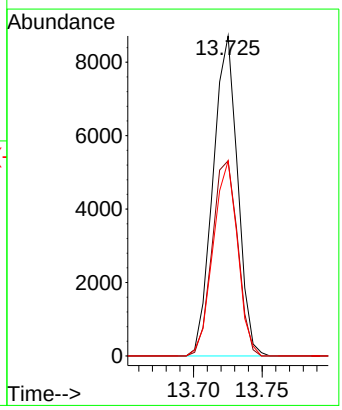


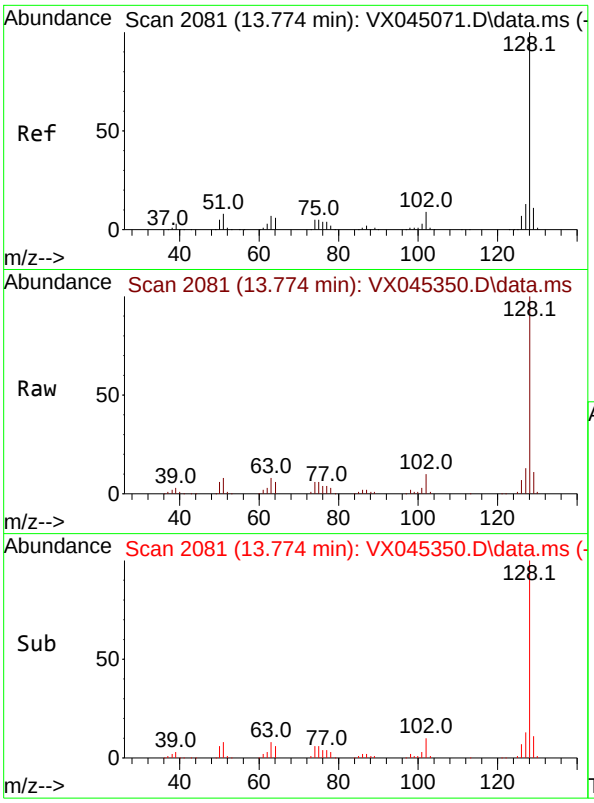


#94
Hexachlorobutadiene
Concen: 21.692 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:225 Resp: 10883

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	60.5	31.4	94.0



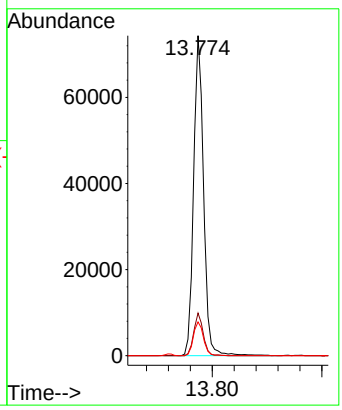


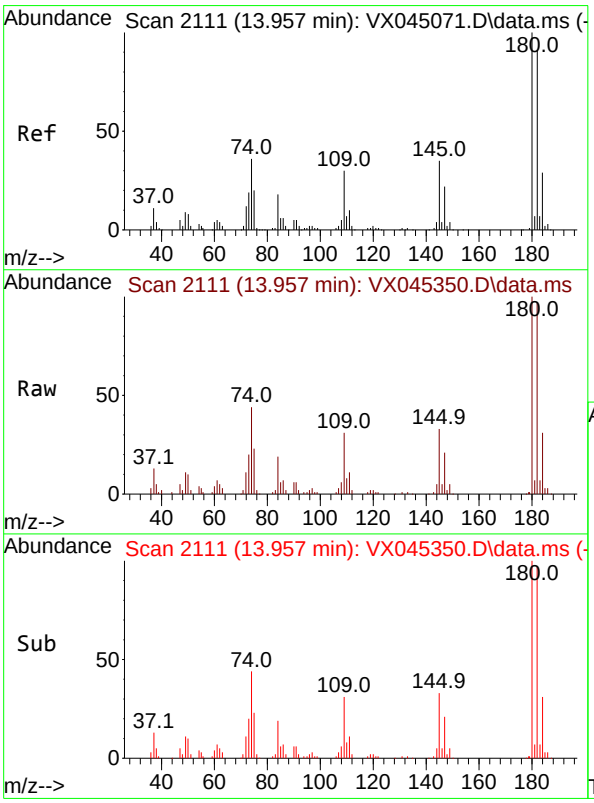
#95
Naphthalene
Concen: 20.032 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tgt Ion:128 Resp: 94184

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

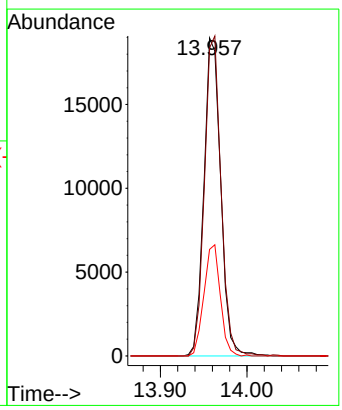




#96
1,2,3-Trichlorobenzene
Concen: 19.806 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045350.D
Acq: 20 Mar 2025 10:53

Tgt Ion:180 Resp: 25568

Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	103163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90427	55.106	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.220%			
35) Dibromofluoromethane	5.379	113	66573	54.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.560%			
50) Toluene-d8	8.647	98	227931	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
62) 4-Bromofluorobenzene	11.079	95	76667	52.516	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	20816	16.030	ug/l	93
3) Chloromethane	1.307	50	22694	14.280	ug/l	100
4) Vinyl Chloride	1.374	62	22442	14.235	ug/l	95
5) Bromomethane	1.593	94	10536	17.001	ug/l	95
6) Chloroethane	1.666	64	12737	17.516	ug/l	91
7) Trichlorofluoromethane	1.873	101	35069	16.804	ug/l	95
8) Diethyl Ether	2.130	74	12438	15.237	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	22957	19.147	ug/l	99
10) Methyl Iodide	2.447	142	25972	17.333	ug/l	96
11) Tert butyl alcohol	2.977	59	21006	67.582	ug/l	99
12) 1,1-Dichloroethene	2.312	96	21080	16.629	ug/l	95
13) Acrolein	2.233	56	16173	45.012	ug/l	98
14) Allyl chloride	2.660	41	40725	18.048	ug/l	95
15) Acrylonitrile	3.062	53	73899	88.710	ug/l	99
16) Acetone	2.386	43	65813	86.442	ug/l	99
17) Carbon Disulfide	2.501	76	43727	12.951	ug/l	97
18) Methyl Acetate	2.703	43	41294	22.546	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	75611	17.778	ug/l	100
20) Methylene Chloride	2.782	84	25392	16.837	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	21273	16.986	ug/l	98
22) Diisopropyl ether	3.763	45	82592	17.997	ug/l	94
23) Vinyl Acetate	3.721	43	333482	87.078	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46000	17.886	ug/l	100
25) 2-Butanone	4.562	43	103957	90.711	ug/l	93
26) 2,2-Dichloropropane	4.471	77	30710	25.457	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	27428	17.742	ug/l	93
28) Bromochloromethane	4.891	49	22492	18.348	ug/l	98
29) Tetrahydrofuran	5.007	42	64971	84.420	ug/l	98
30) Chloroform	5.086	83	48043	18.800	ug/l	98
31) Cyclohexane	5.458	56	37277	16.697	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	37970	18.397	ug/l	97
36) 1,1-Dichloropropene	5.690	75	28834	17.302	ug/l	98
37) Ethyl Acetate	4.721	43	38316	17.842	ug/l	97
38) Carbon Tetrachloride	5.672	117	31919	18.865	ug/l	94
39) Methylcyclohexane	7.379	83	35667	17.861	ug/l	97
40) Benzene	6.031	78	95403	18.128	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21420	18.447 ug/l	95
42) 1,2-Dichloroethane	6.080	62	37596	19.839 ug/l	96
43) Isopropyl Acetate	6.342	43	58297	18.358 ug/l	99
44) Trichloroethene	7.123	130	22079	17.867 ug/l	97
45) 1,2-Dichloropropane	7.427	63	24774	18.309 ug/l	96
46) Dibromomethane	7.580	93	18218	19.049 ug/l	98
47) Bromodichloromethane	7.818	83	35984	19.182 ug/l	100
48) Methyl methacrylate	7.696	41	29431	18.474 ug/l	93
49) 1,4-Dioxane	7.665	88	10437	310.577 ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	199937	93.772 ug/l	99
52) Toluene	8.714	92	58027	18.793 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28125	17.934 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34347	18.782 ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	23399	18.408 ug/l	97
56) Ethyl methacrylate	9.116	69	35410	18.326 ug/l	94
57) 1,3-Dichloropropane	9.305	76	41664	18.940 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	99493	105.558 ug/l	99
59) 2-Hexanone	9.427	43	146337	94.726 ug/l	98
60) Dibromochloromethane	9.518	129	24709	18.591 ug/l	100
61) 1,2-Dibromoethane	9.610	107	23441	18.473 ug/l	95
64) Tetrachloroethene	9.268	164	18524	18.748 ug/l	98
65) Chlorobenzene	10.073	112	61249	18.763 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20539	18.893 ug/l	97
67) Ethyl Benzene	10.189	91	108805	19.129 ug/l	100
68) m/p-Xylenes	10.299	106	80137	38.487 ug/l	97
69) o-Xylene	10.640	106	40477	19.274 ug/l	97
70) Styrene	10.652	104	64556	18.998 ug/l	98
71) Bromoform	10.799	173	14948	18.235 ug/l #	98
73) Isopropylbenzene	10.957	105	104692	20.247 ug/l	99
74) N-amyl acetate	10.841	43	45871	18.906 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36461	19.215 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	36258	23.515 ug/l	89
77) Bromobenzene	11.195	156	23427	19.202 ug/l	98
78) n-propylbenzene	11.299	91	117971	20.197 ug/l	98
79) 2-Chlorotoluene	11.360	91	72251	19.423 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	84359	20.177 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8196	18.191 ug/l #	83
82) 4-Chlorotoluene	11.451	91	80479	19.851 ug/l	99
83) tert-Butylbenzene	11.713	119	84632	19.701 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	84742	20.144 ug/l	98
85) sec-Butylbenzene	11.890	105	105104	20.425 ug/l	99
86) p-Isopropyltoluene	12.006	119	84328	20.278 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41784	19.199 ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41434	18.817 ug/l	98
89) n-Butylbenzene	12.329	91	70969	19.814 ug/l	100
90) Hexachloroethane	12.536	117	13841	18.401 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	41960	19.219 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7380	19.964 ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	22232	17.883 ug/l	99
94) Hexachlorobutadiene	13.725	225	9477	18.594 ug/l	98
95) Naphthalene	13.774	128	85625	17.927 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23401	17.843 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

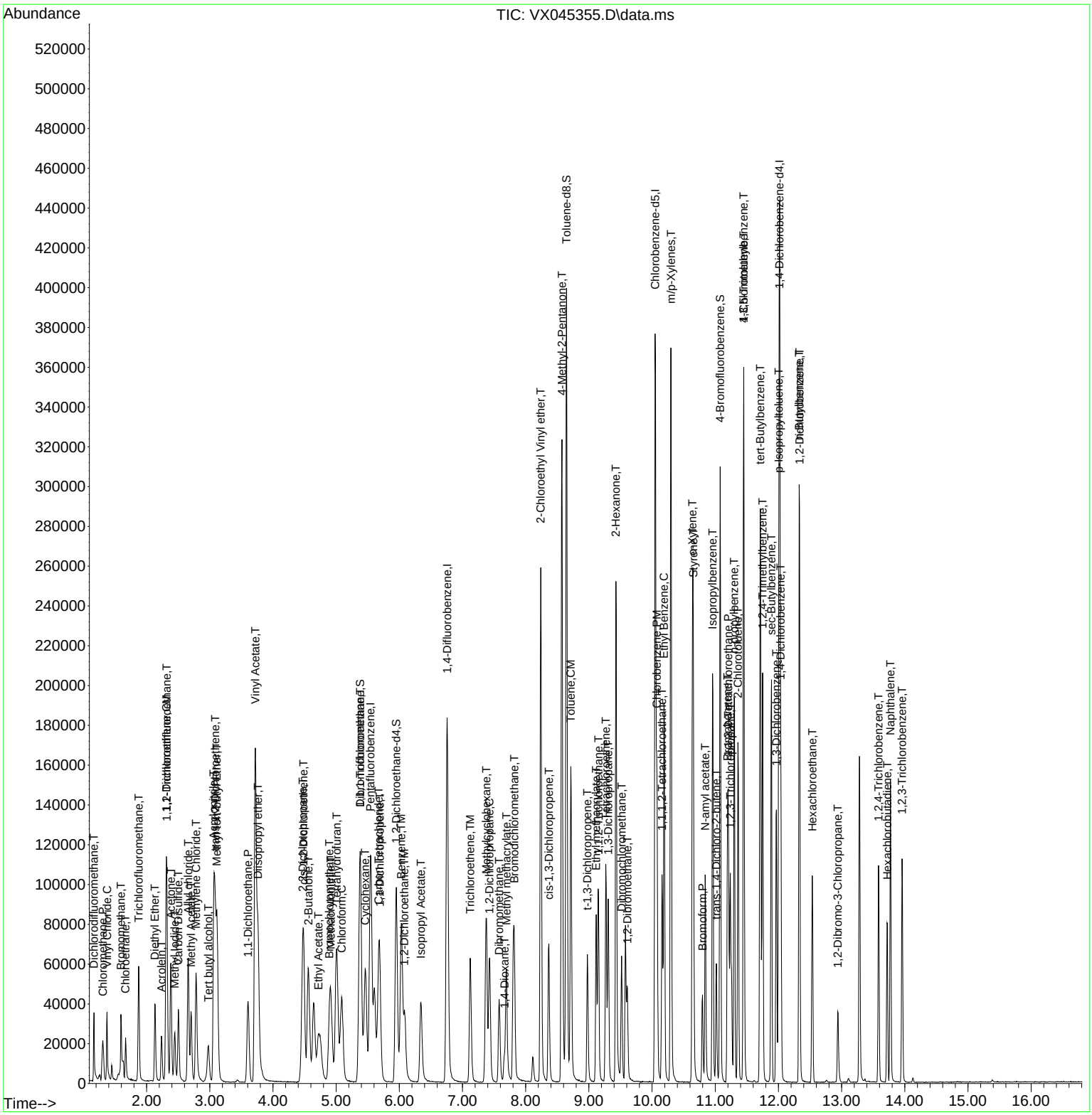
(#) = qualifier out of range (m) = manual integration (+) = signals summed

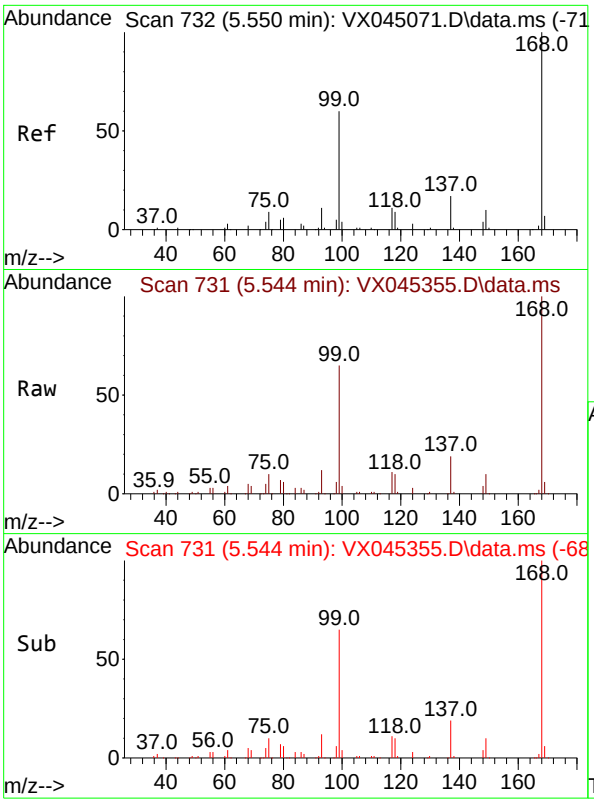
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045355.D
Acq On : 20 Mar 2025 12:53
Operator : JC/MD
Sample : VX0320WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Quant Time: Mar 21 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



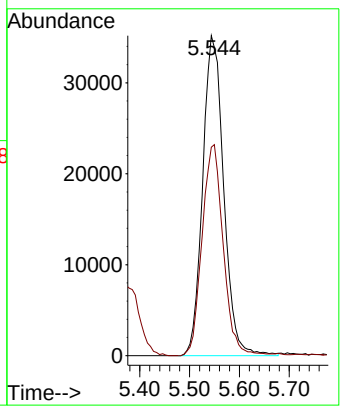


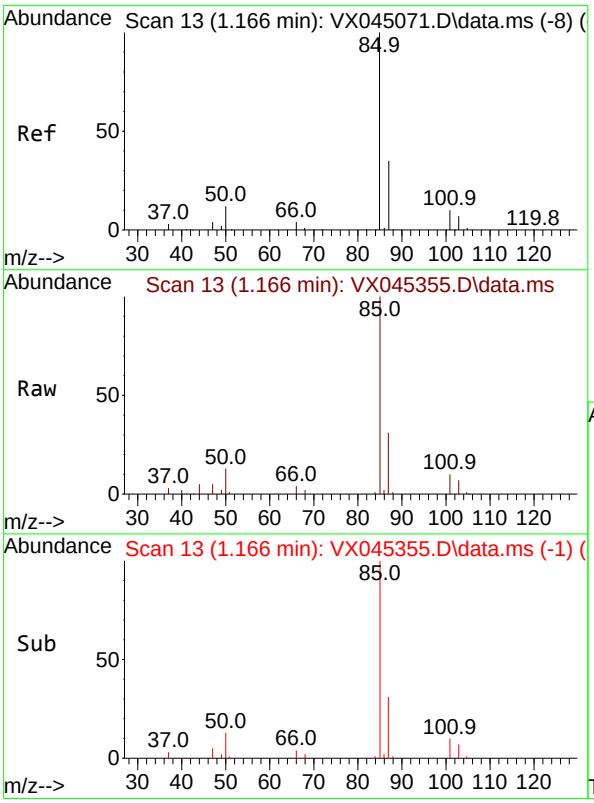
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:168 Resp: 103163

Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.2	72.4

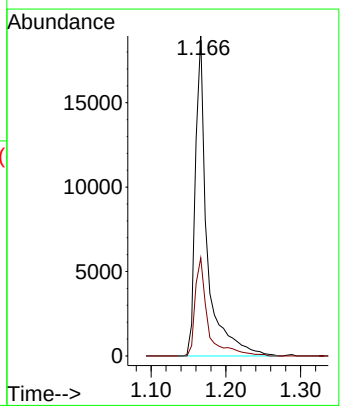


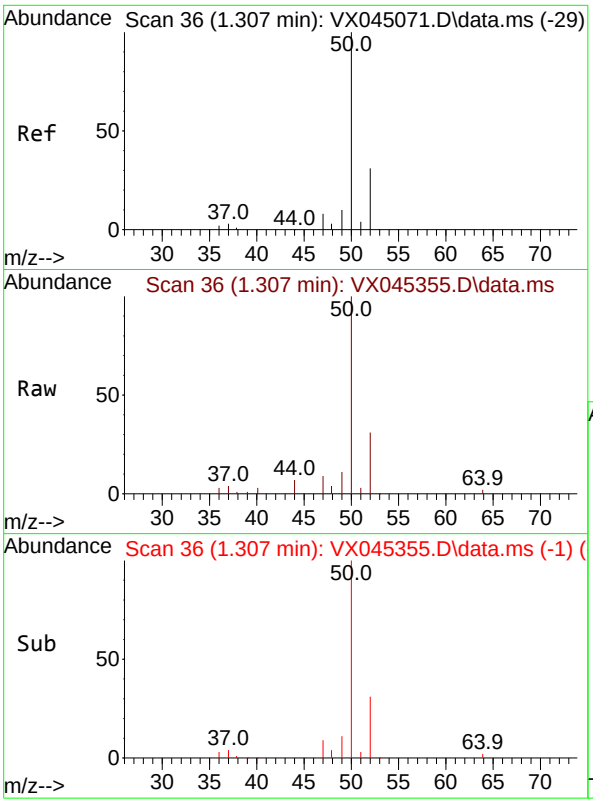


#2
Dichlorodifluoromethane
Concen: 16.030 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 85 Resp: 20816

Ion	Ratio	Lower	Upper
85	100		
87	30.6	17.4	52.3



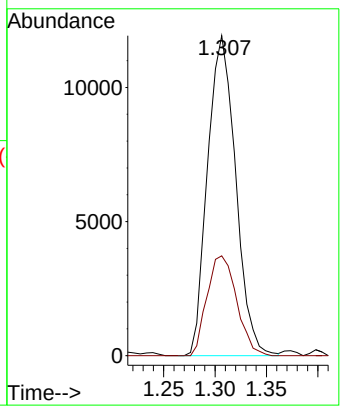


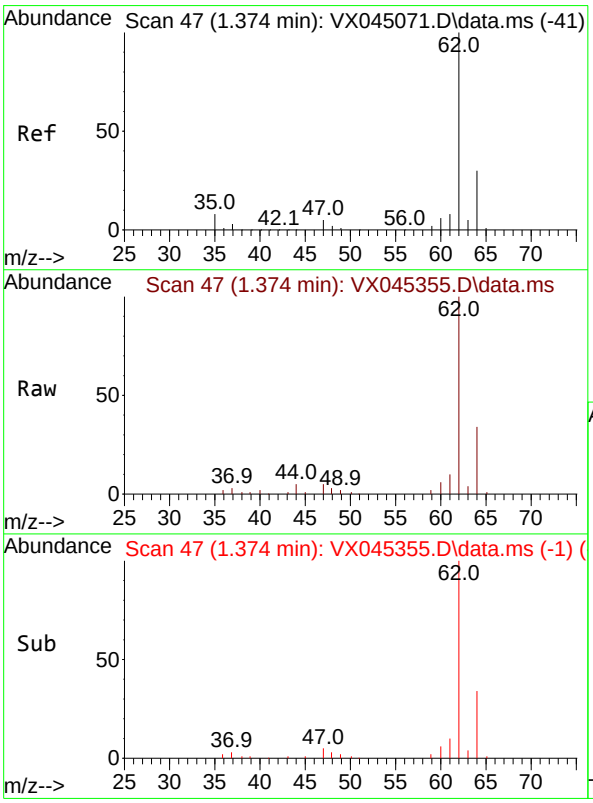
#3
Chloromethane
Concen: 14.280 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 50 Resp: 22694

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

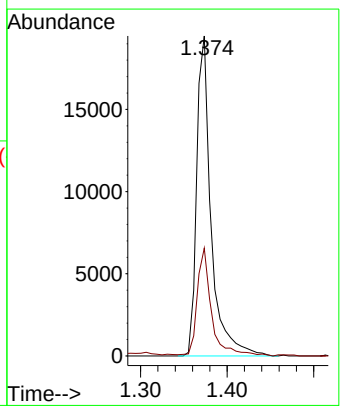


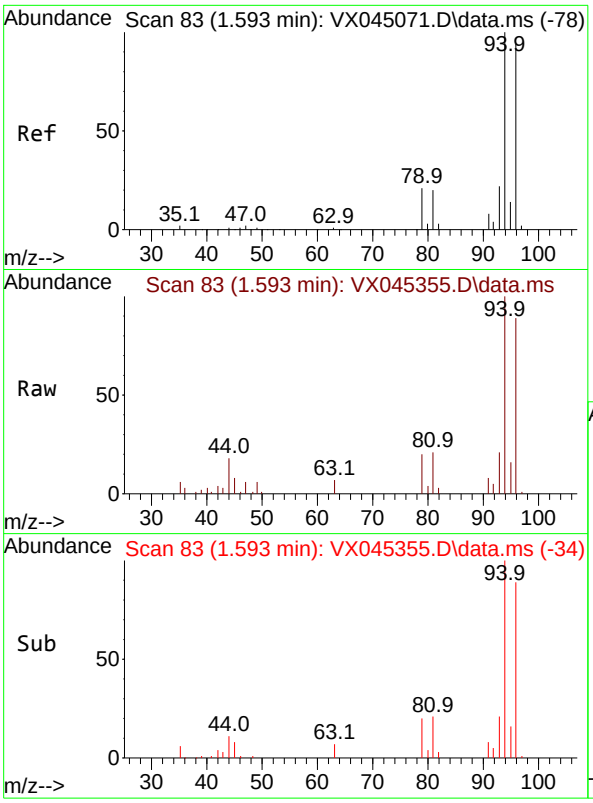


#4
Vinyl Chloride
Concen: 14.235 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 62 Resp: 22442

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.3	36.5



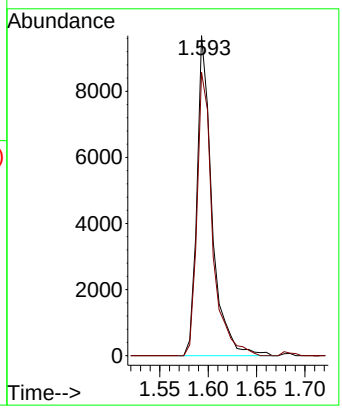


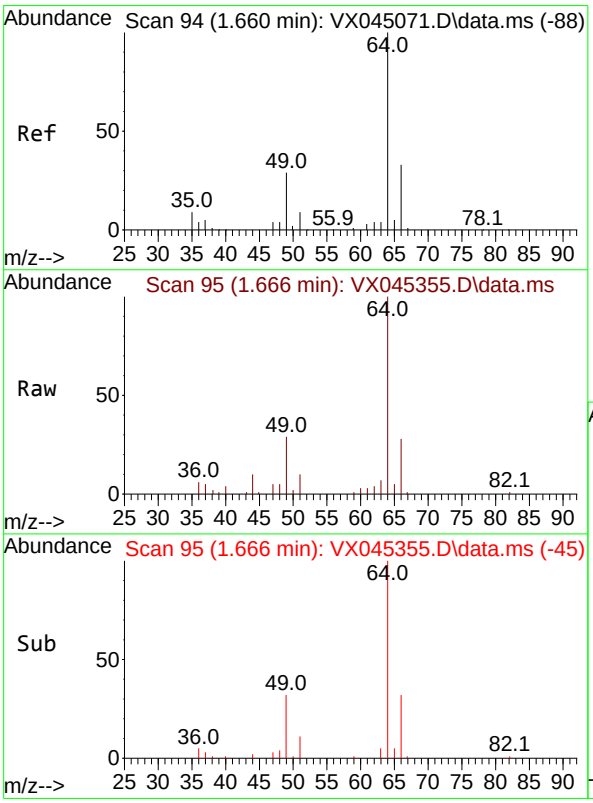
#5
Bromomethane
Concen: 17.001 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 94 Resp: 10536

Ion	Ratio	Lower	Upper
94	100		
96	88.5	75.0	112.4

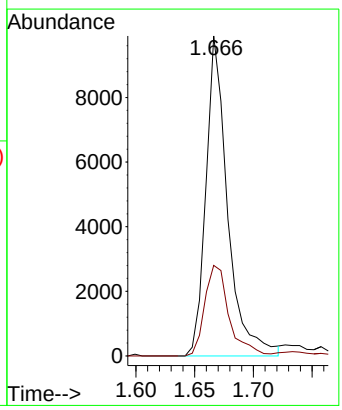


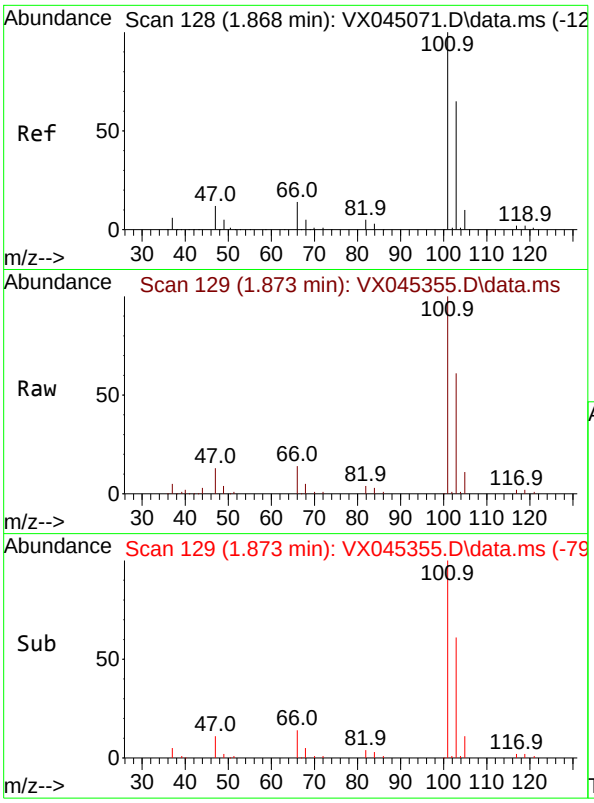


#6
Chloroethane
Concen: 17.516 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 64 Resp: 12737

Ion	Ratio	Lower	Upper
64	100		
66	28.3	26.7	40.1



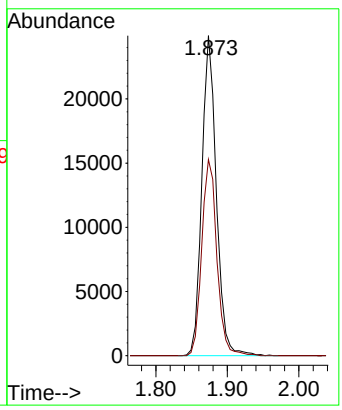


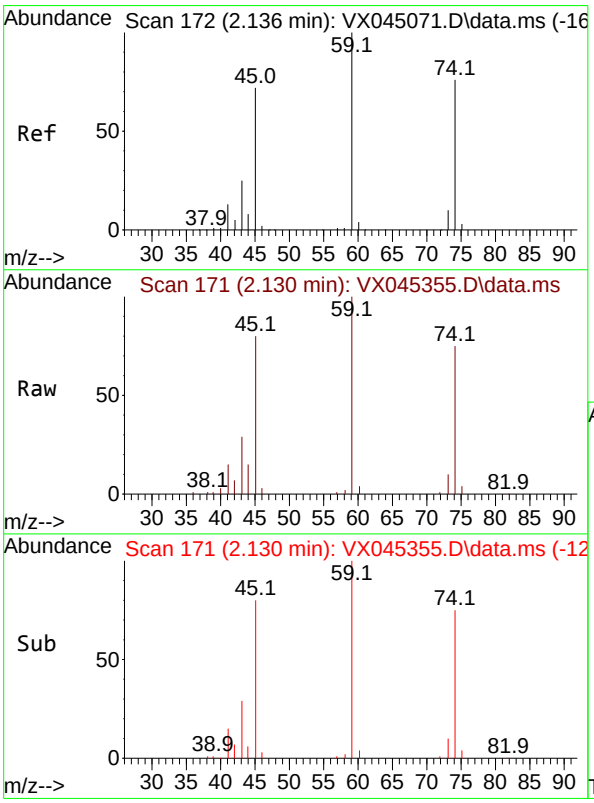
#7
Trichlorofluoromethane
Concen: 16.804 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:101 Resp: 35069

Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.1	78.1

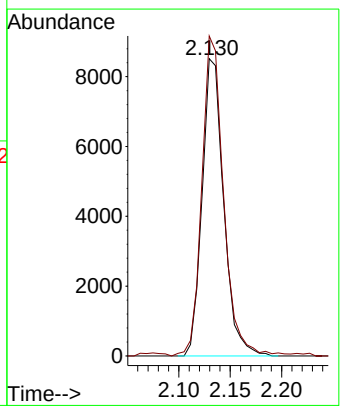


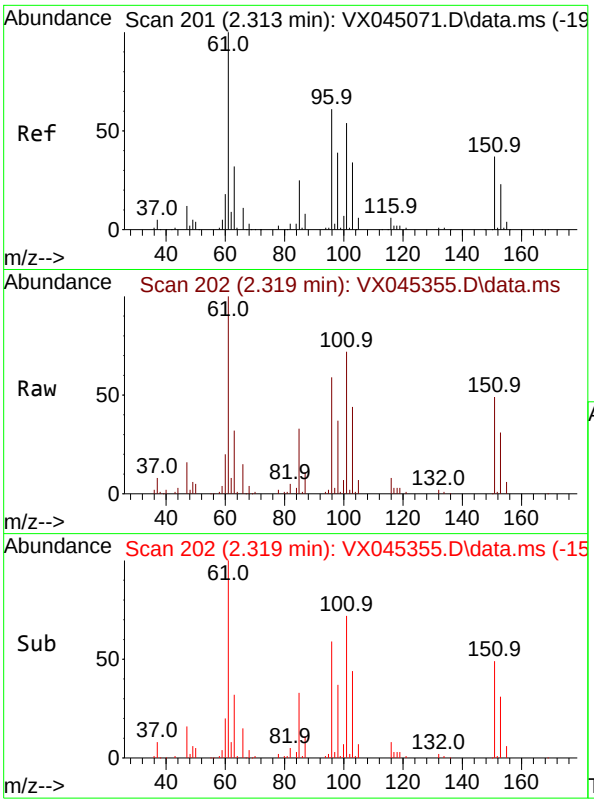


#8
Diethyl Ether
Concen: 15.237 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 74 Resp: 12438

Ion	Ratio	Lower	Upper
74	100		
45	108.7	51.5	154.5



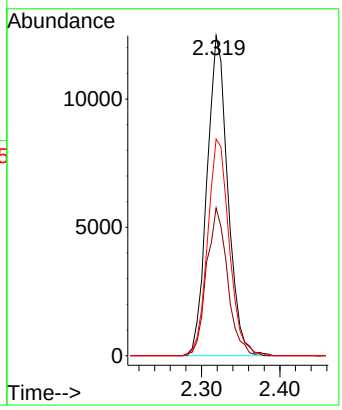


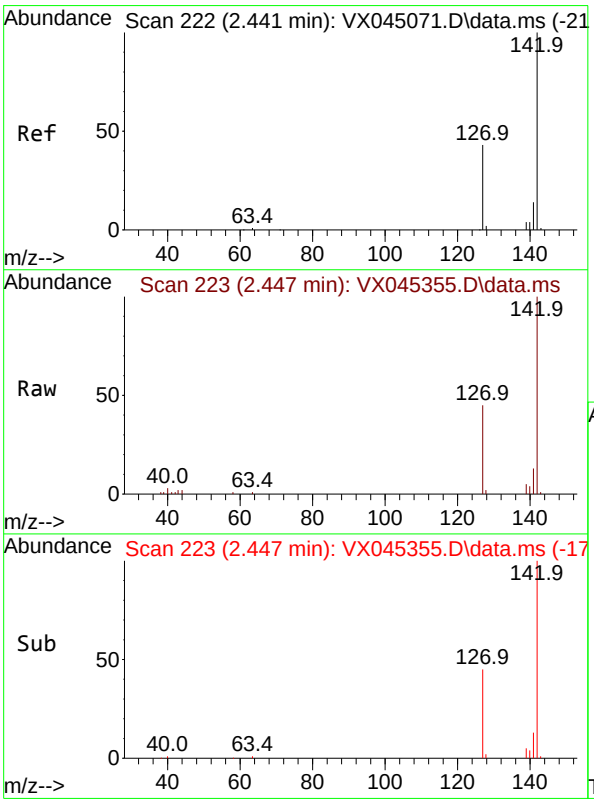
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.147 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:101 Resp: 22957

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	70.2	56.4	84.6

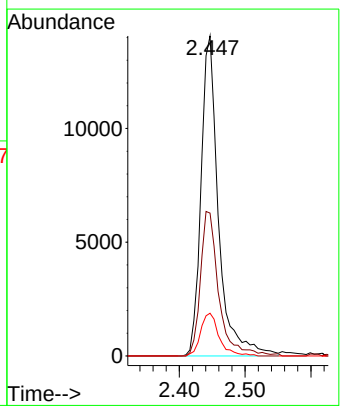


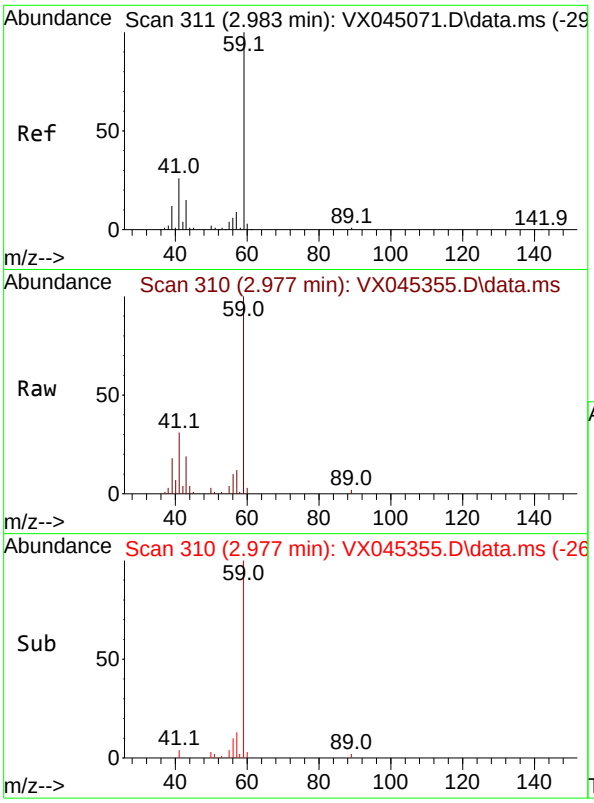


#10
Methyl Iodide
Concen: 17.333 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:142 Resp: 25972

Ion	Ratio	Lower	Upper
142	100		
127	47.3	35.4	53.2
141	14.2	11.6	17.4



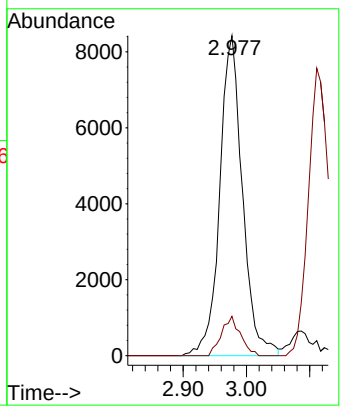


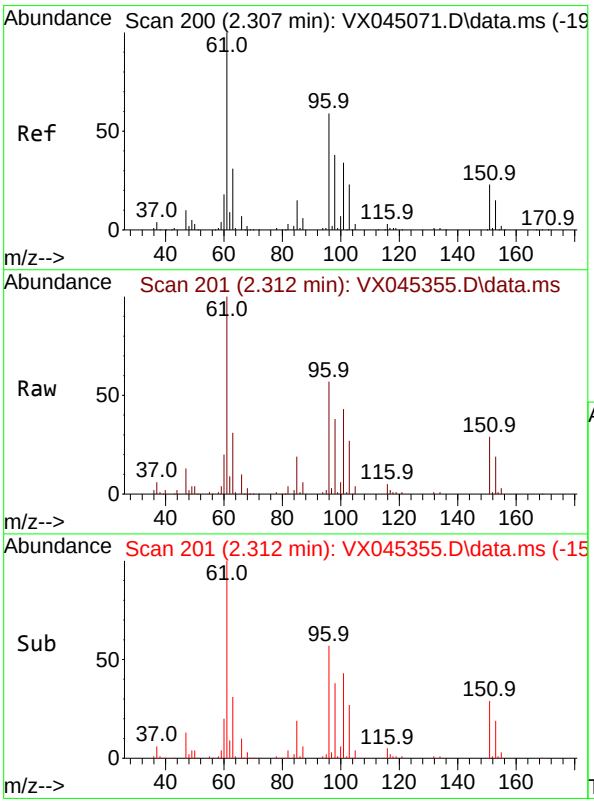
#11
Tert butyl alcohol
Concen: 67.582 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 59 Resp: 21006

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

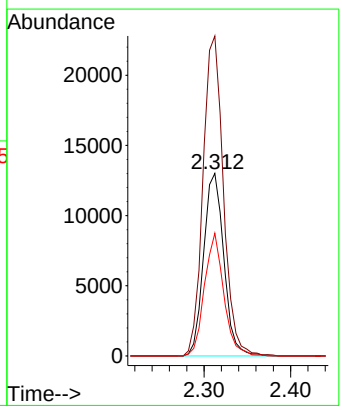


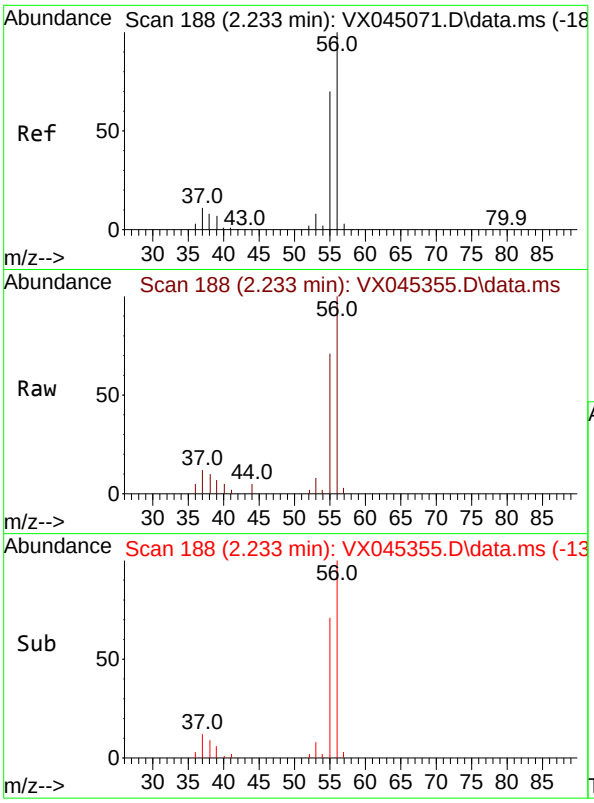


#12
1,1-Dichloroethene
Concen: 16.629 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 96 Resp: 21080

Ion	Ratio	Lower	Upper
96	100		
61	175.3	134.6	202.0
98	67.2	51.0	76.6



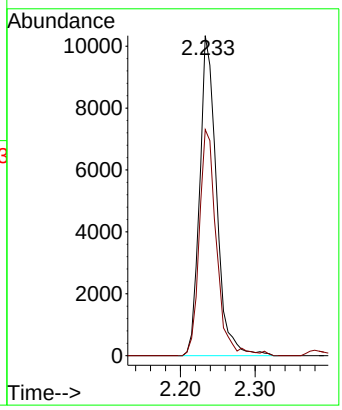


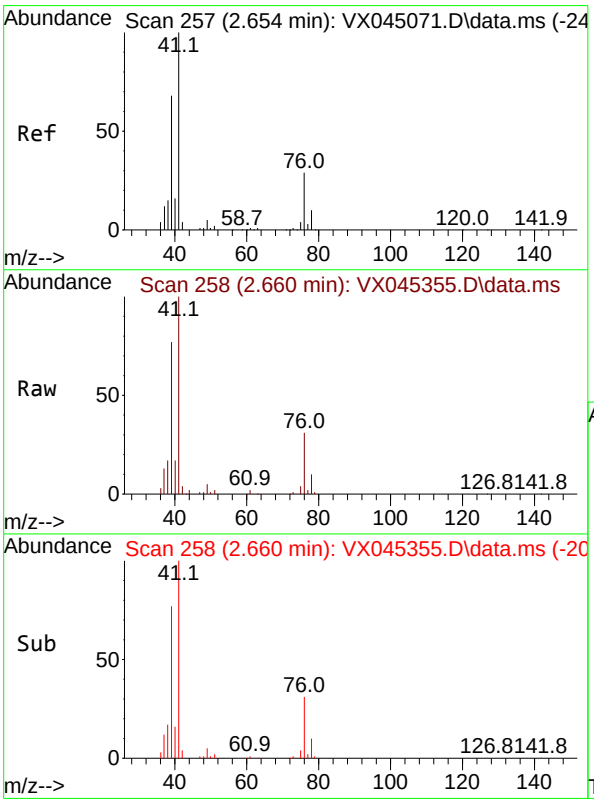
#13
Acrolein
Concen: 45.012 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 56 Resp: 16173

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4

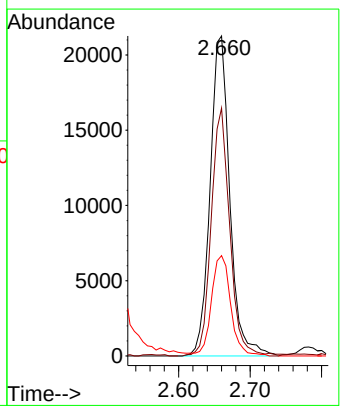


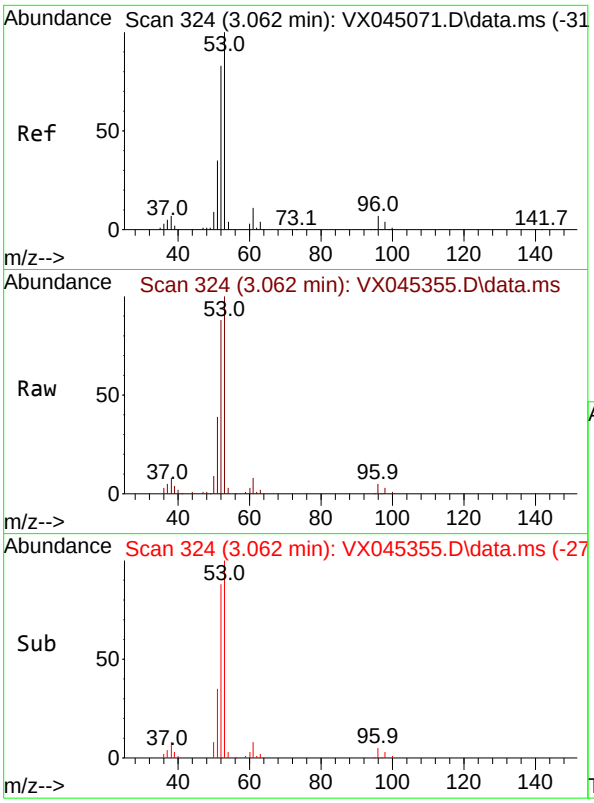


#14
Allyl chloride
Concen: 18.048 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 41 Resp: 40725

Ion	Ratio	Lower	Upper
41	100		
39	72.8	53.8	80.8
76	30.7	25.2	37.8



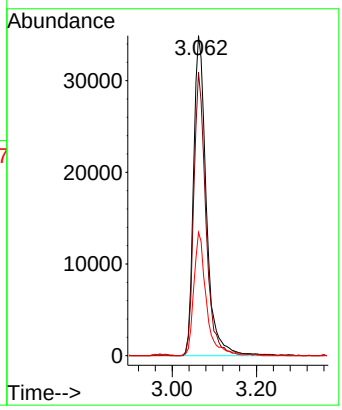


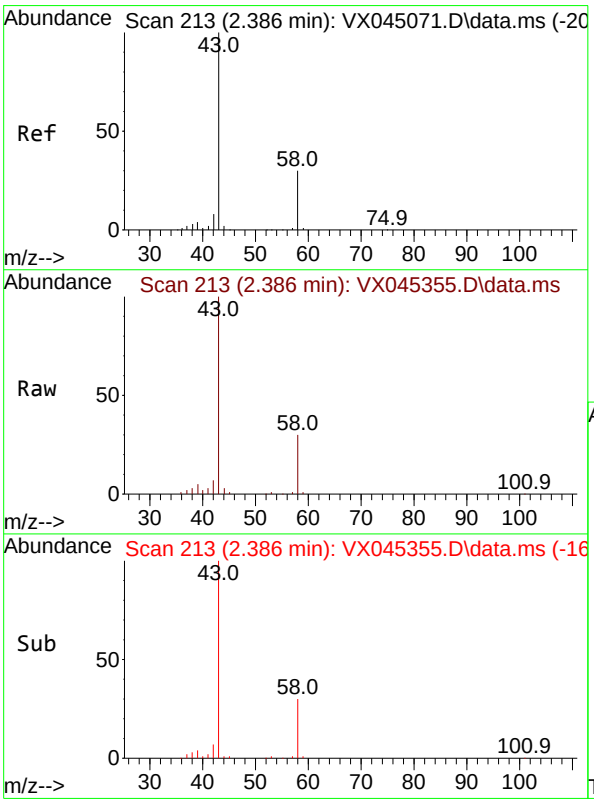
#15
Acrylonitrile
Concen: 88.710 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 53 Resp: 73899

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.4	29.0	43.4

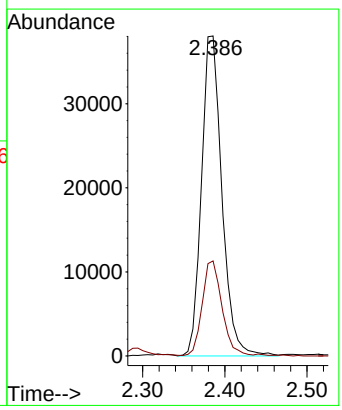


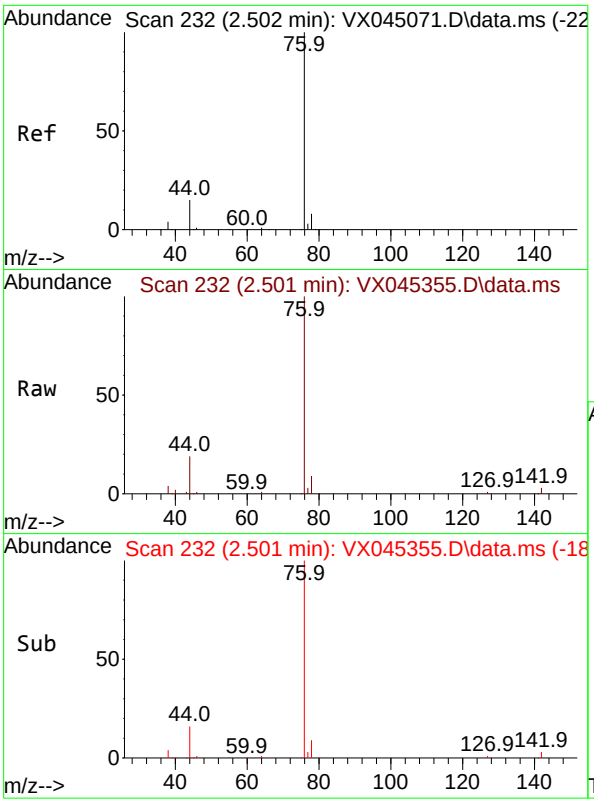


#16
Acetone
Concen: 86.442 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 65813

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4



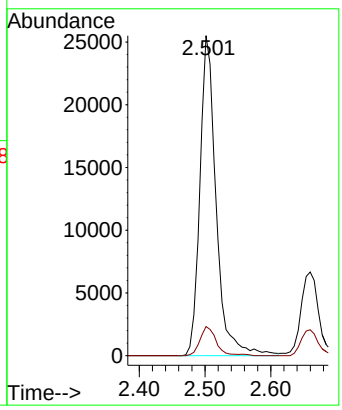


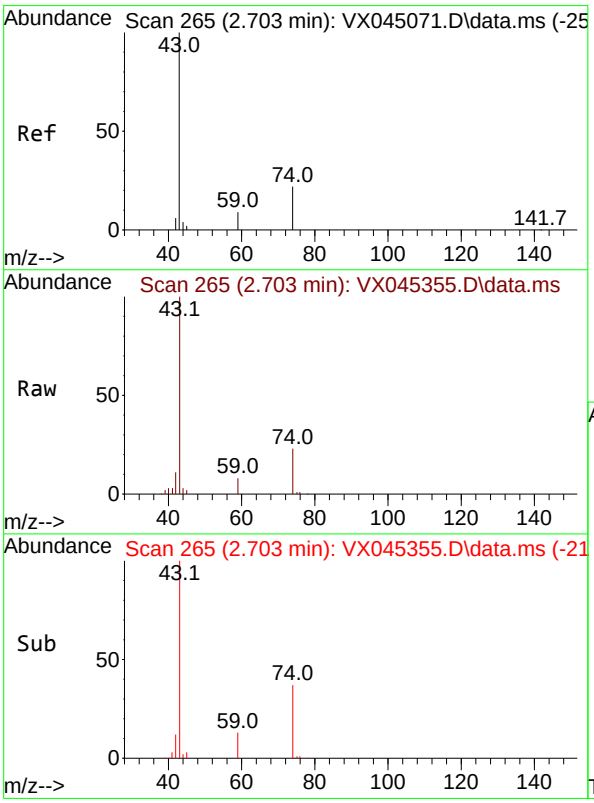
#17
Carbon Disulfide
Concen: 12.951 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 76 Resp: 43727

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

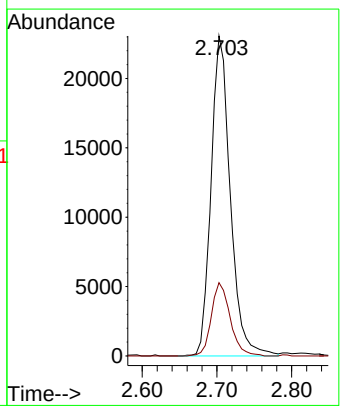


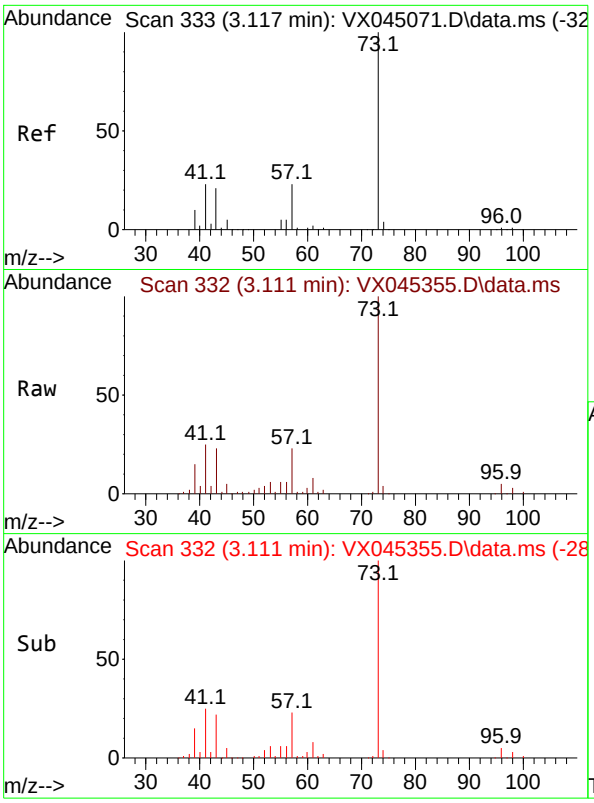


#18
Methyl Acetate
Concen: 22.546 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 41294

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



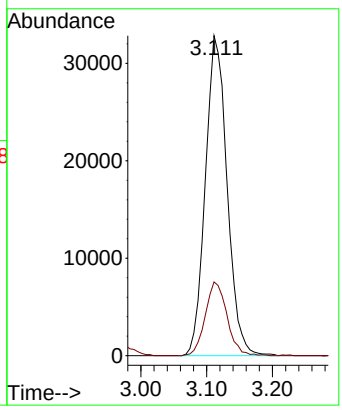


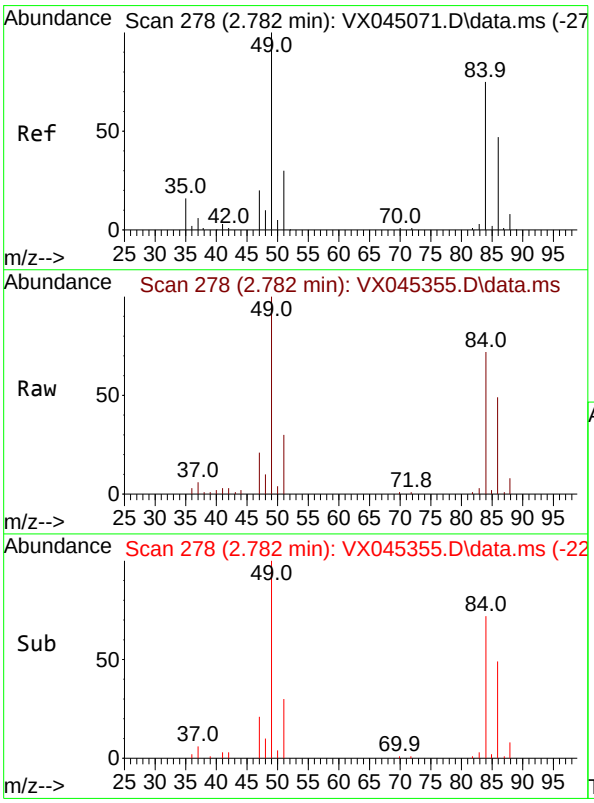
#19
Methyl tert-butyl Ether
Concen: 17.778 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 73 Resp: 75611

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

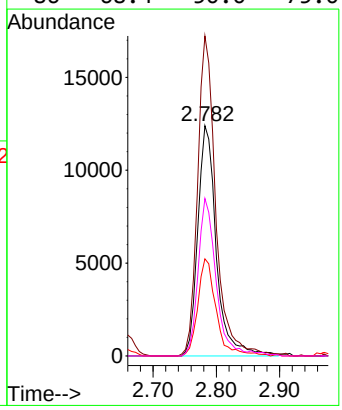


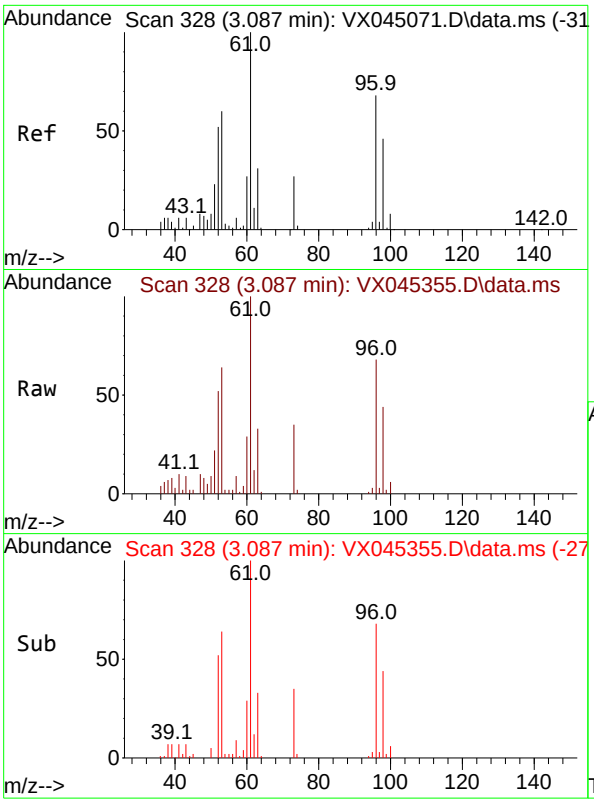


#20
Methylene Chloride
Concen: 16.837 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 84 Resp: 25392

Ion	Ratio	Lower	Upper
84	100		
49	139.0	106.5	159.7
51	42.2	32.1	48.1
86	68.4	50.0	75.0



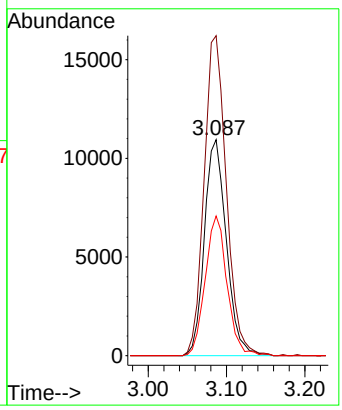


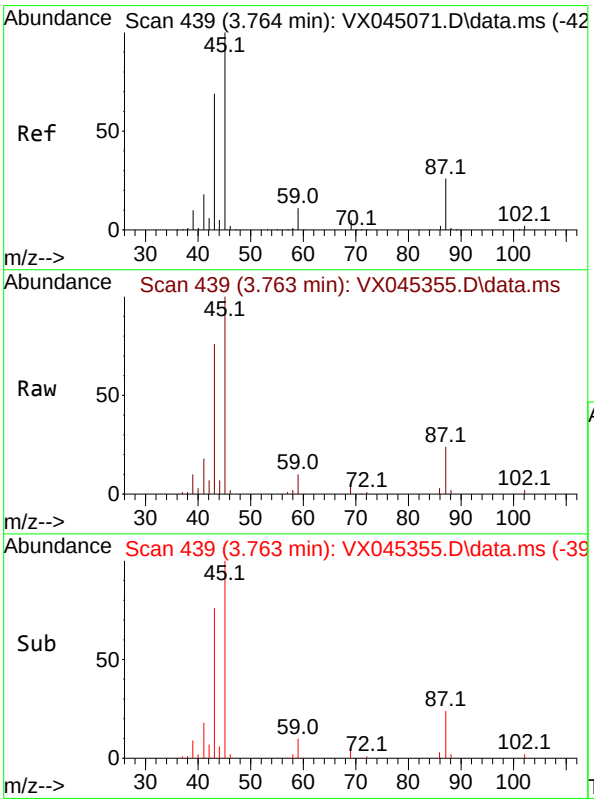
#21
trans-1,2-Dichloroethene
Concen: 16.986 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 96 Resp: 21273

Ion	Ratio	Lower	Upper
96	100		
61	148.1	117.0	175.4
98	64.6	53.4	80.2

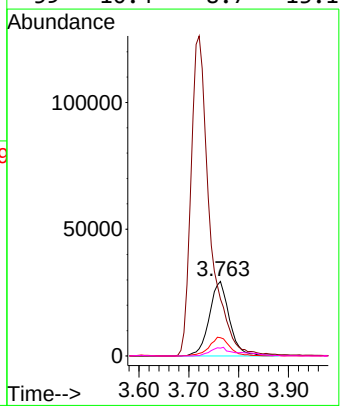


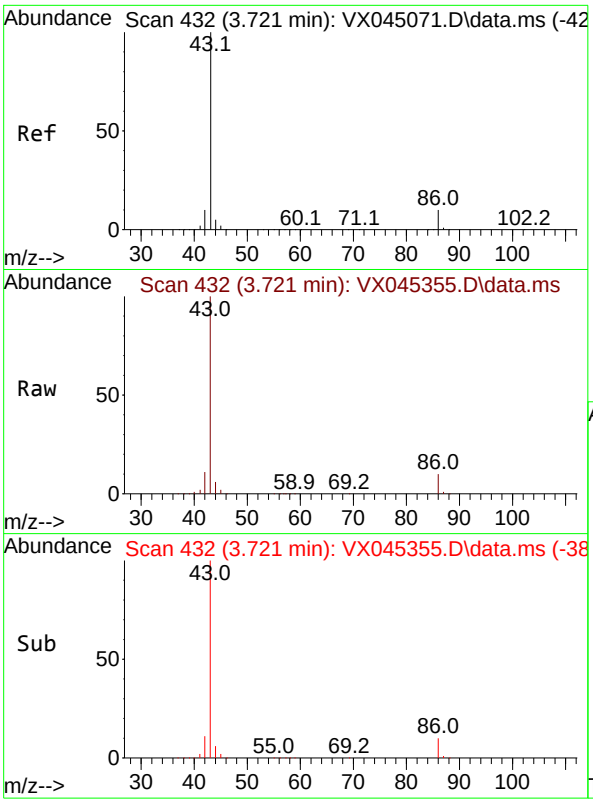


#22
Diisopropyl ether
Concen: 17.997 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 45 Resp: 82592

Ion	Ratio	Lower	Upper
45	100		
43	75.2	54.9	82.3
87	24.4	21.0	31.4
59	10.4	8.7	13.1



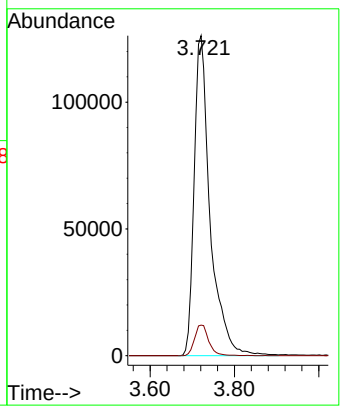


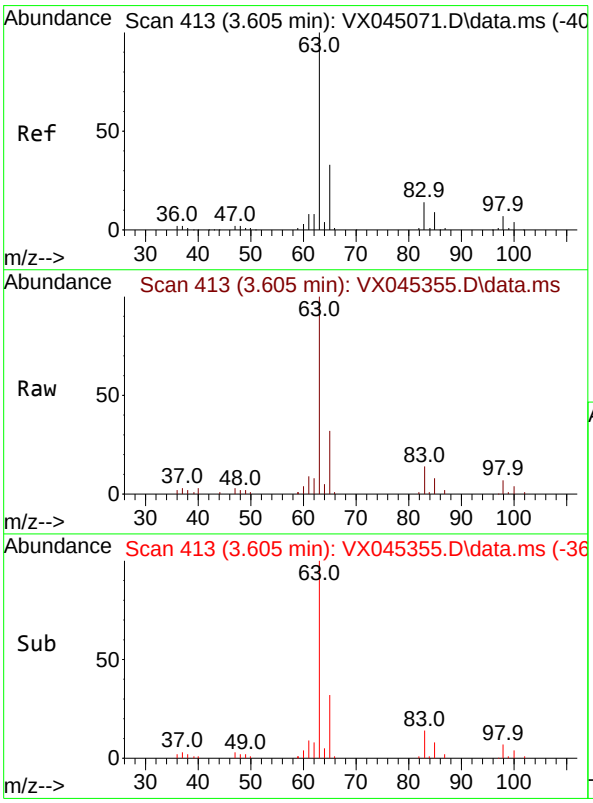
#23
Vinyl Acetate
Concen: 87.078 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 43 Resp: 333482

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

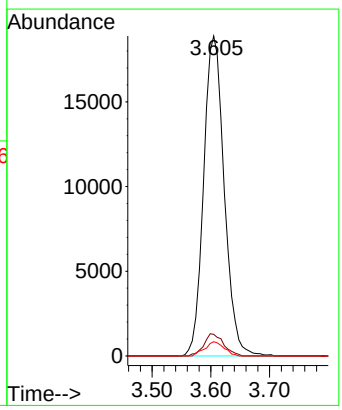


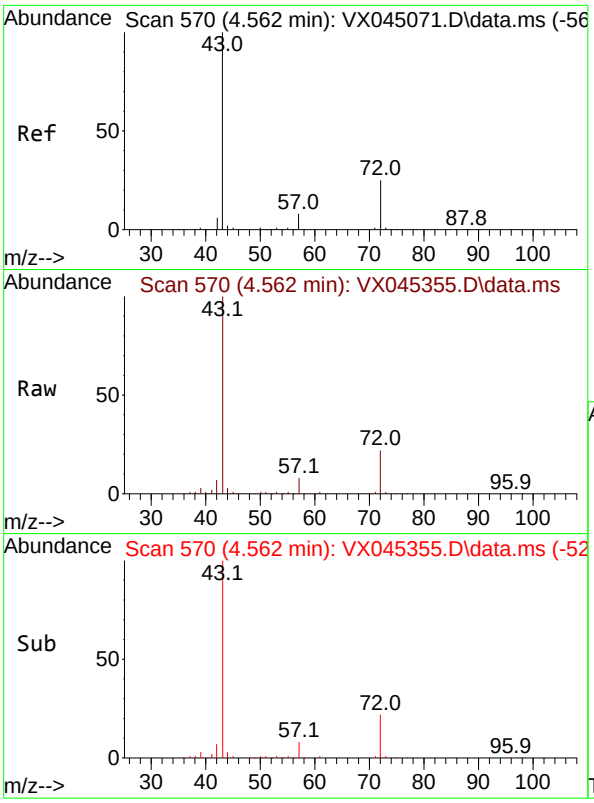


#24
1,1-Dichloroethane
Concen: 17.886 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 63 Resp: 46000

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.4	2.1	6.5



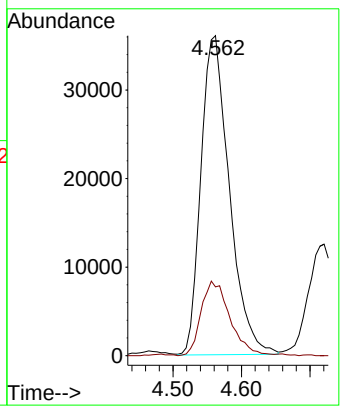


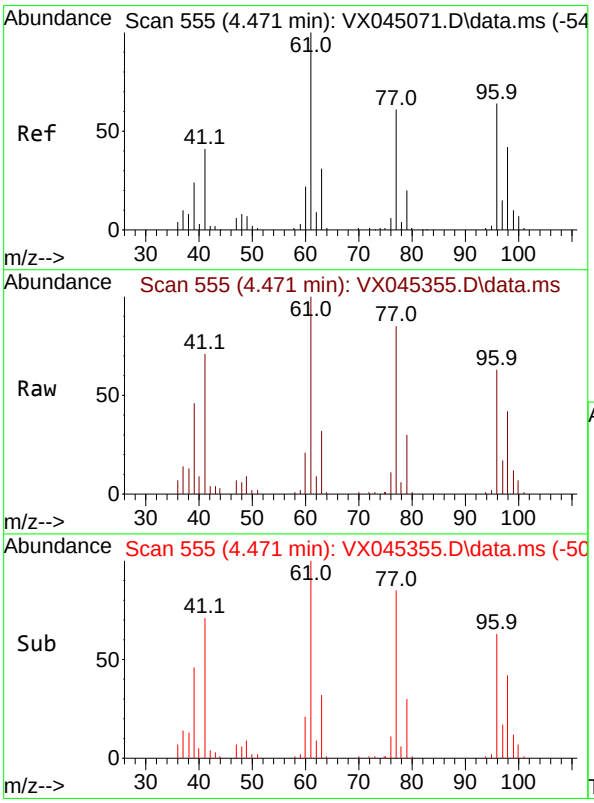
#25
2-Butanone
Concen: 90.711 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 43 Resp: 103957

Ion	Ratio	Lower	Upper
43	100		
72	21.6	20.0	30.0

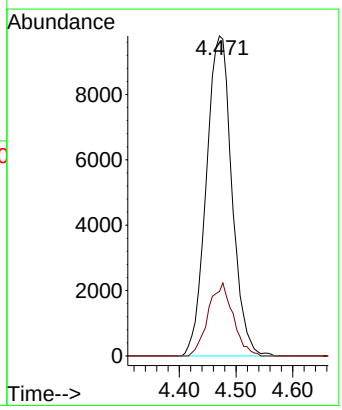


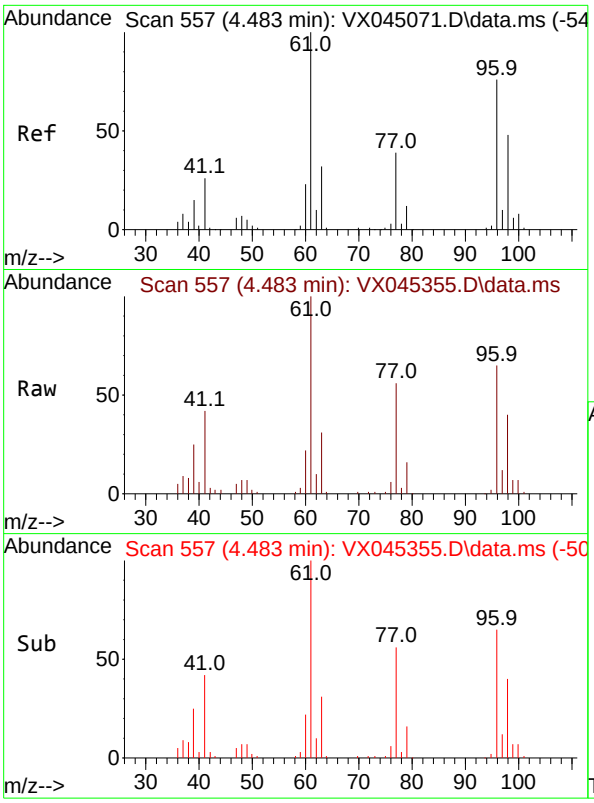


#26
2,2-Dichloropropane
Concen: 25.457 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 77 Resp: 30710

Ion	Ratio	Lower	Upper
77	100		
97	22.2	12.4	37.0



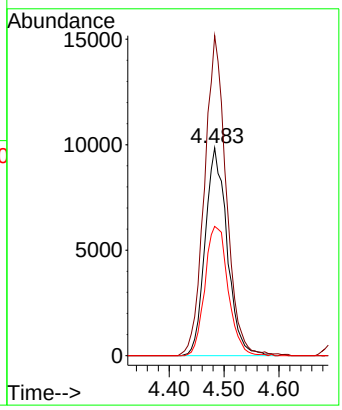


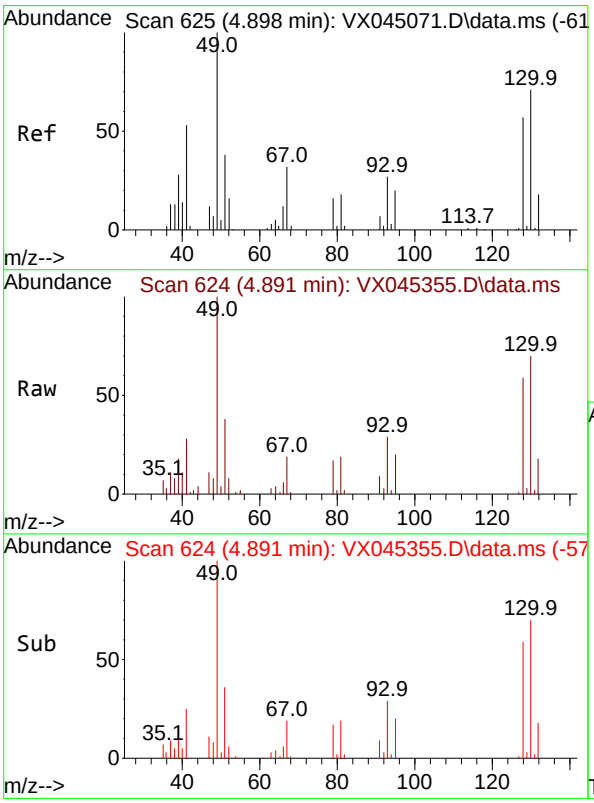
#27
cis-1,2-Dichloroethene
Concen: 17.742 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 96 Resp: 27428

Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	283.2
98	65.6	0.0	128.0

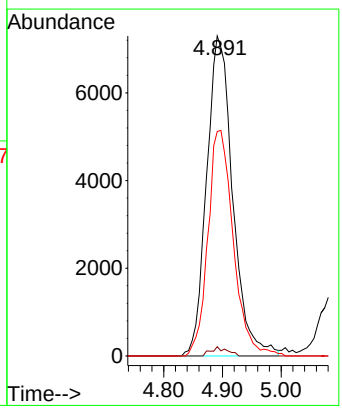


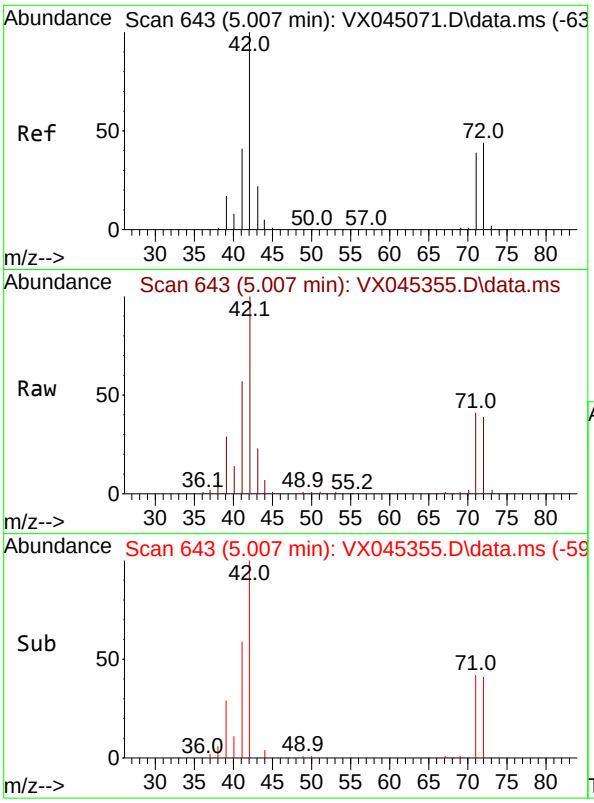


#28
Bromochloromethane
Concen: 18.348 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 49 Resp: 22492

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.6	56.1	84.1



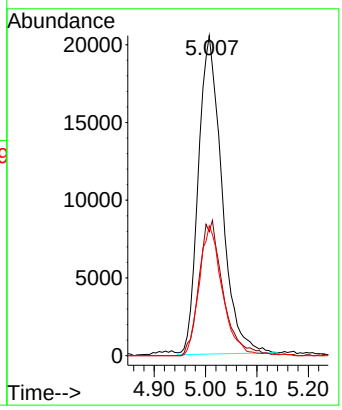


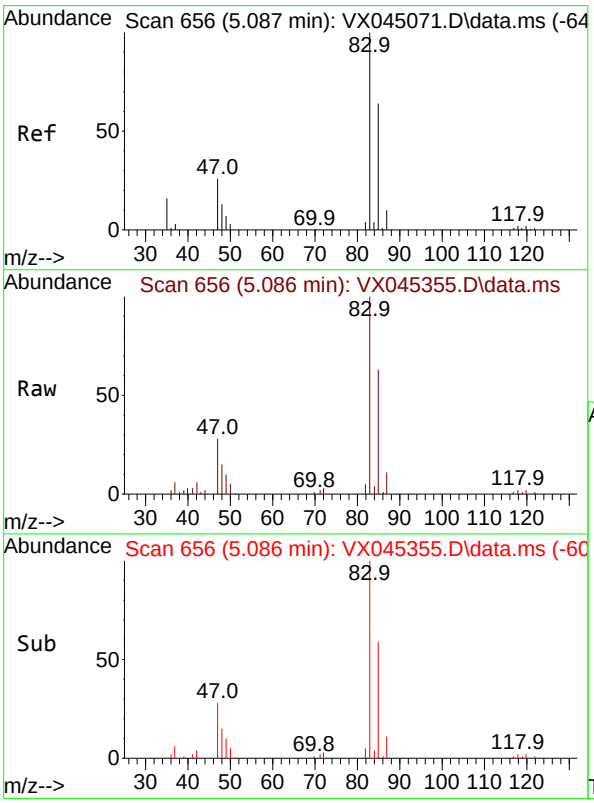
#29
Tetrahydrofuran
Concen: 84.420 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 42 Resp: 64971

Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.1	51.1
71	40.4	31.4	47.0

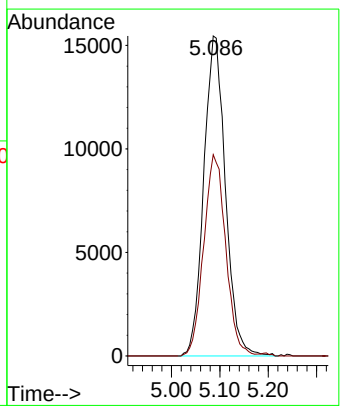


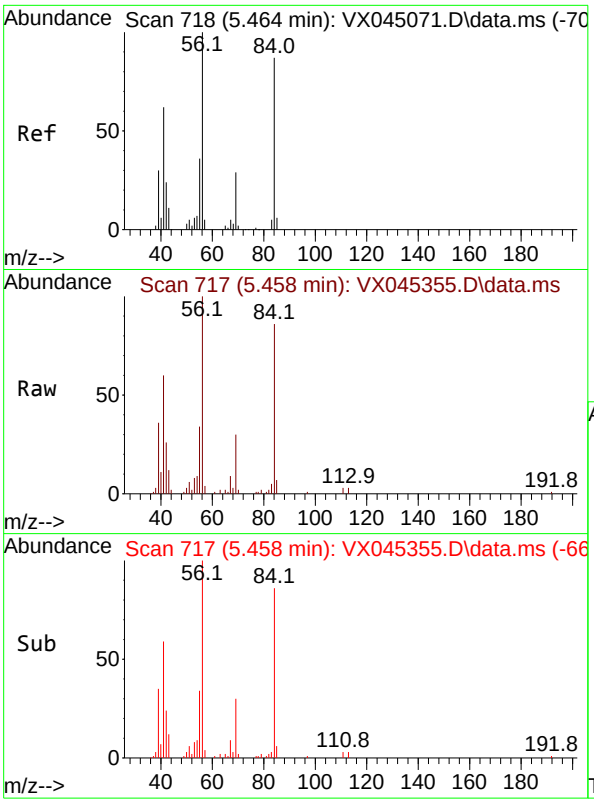


#30
Chloroform
Concen: 18.800 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 83 Resp: 48043

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.2



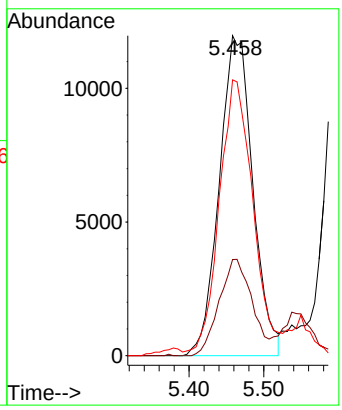


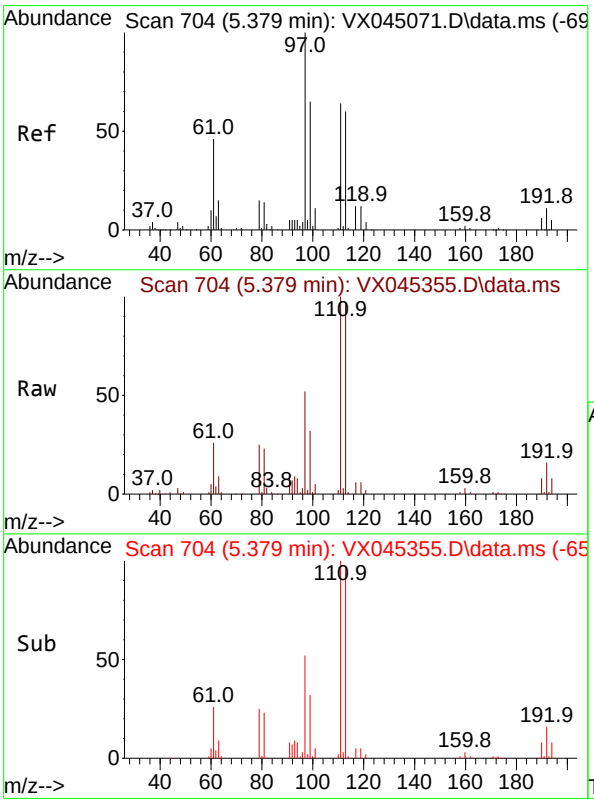
#31
Cyclohexane
Concen: 16.697 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 56 Resp: 37277

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.4	35.2
84	84.1	69.4	104.2

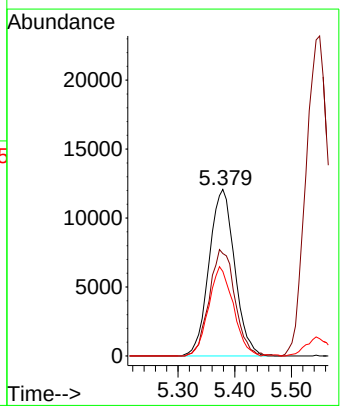


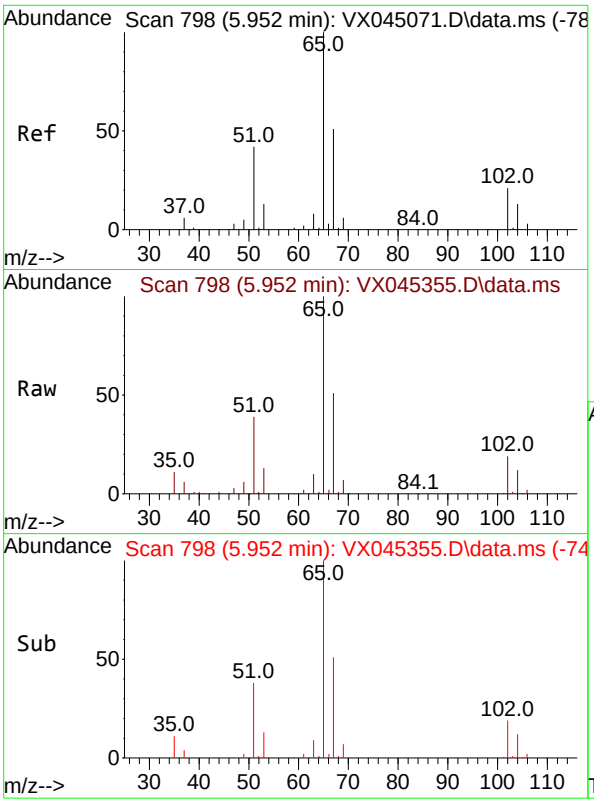


#32
1,1,1-Trichloroethane
Concen: 18.397 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 97 Resp: 37970

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.5	38.4	57.6



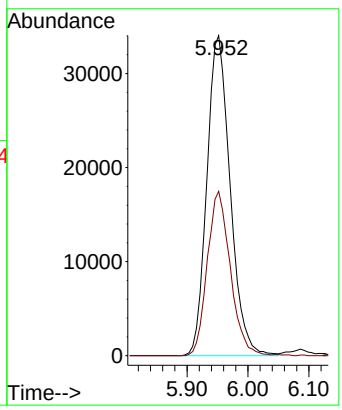


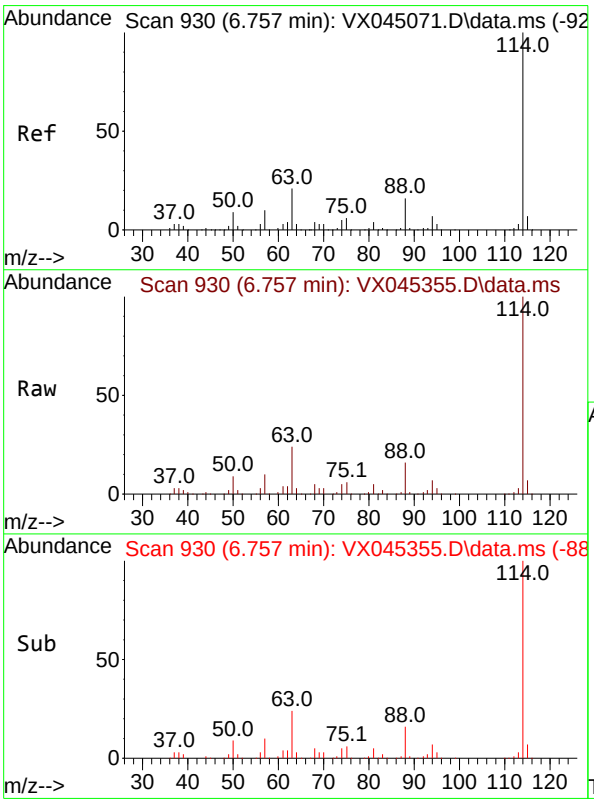
#33
1,2-Dichloroethane-d4
Concen: 55.106 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 65 Resp: 90427

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2

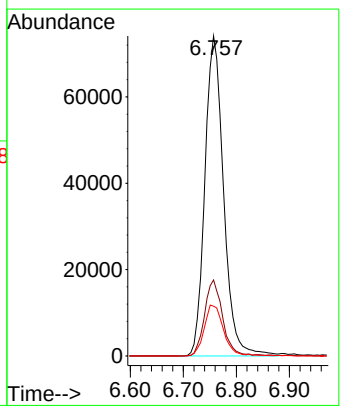


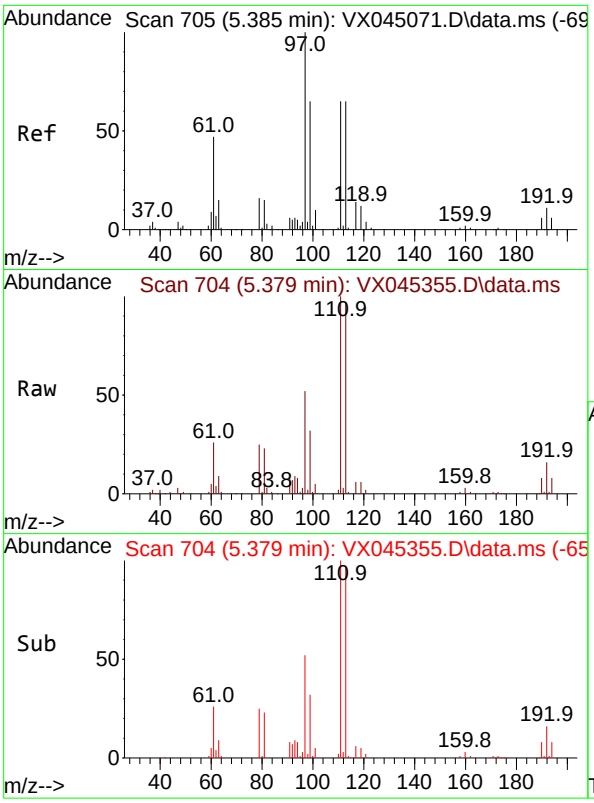


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:114 Resp: 181737

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	41.8
88	15.5	0.0	32.8



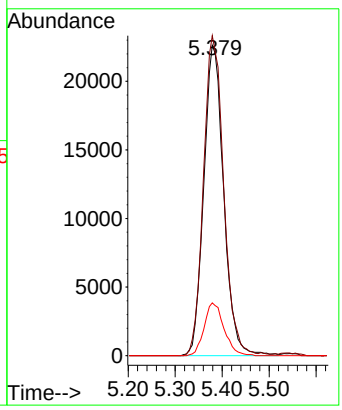


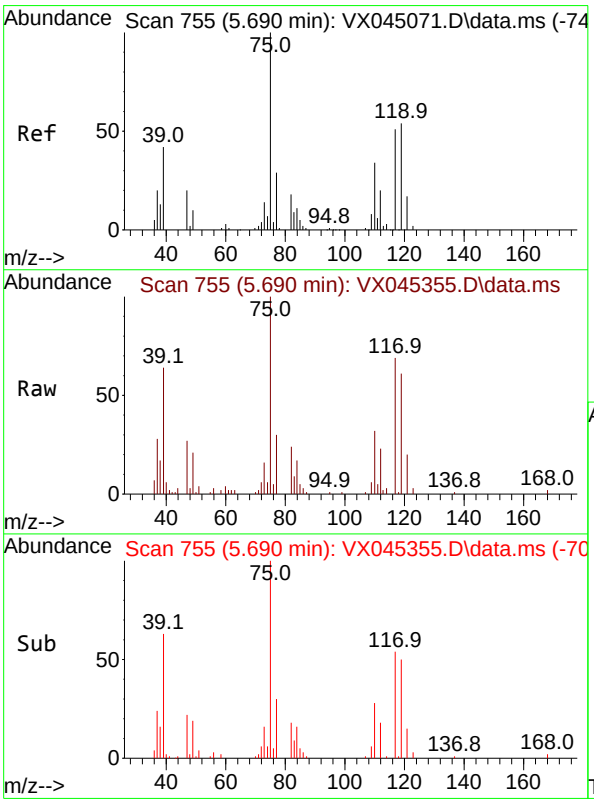
#35
Dibromofluoromethane
Concen: 54.782 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:113 Resp: 66573

Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.6
192	17.0	14.3	21.5

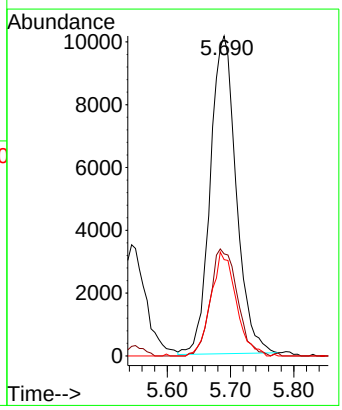


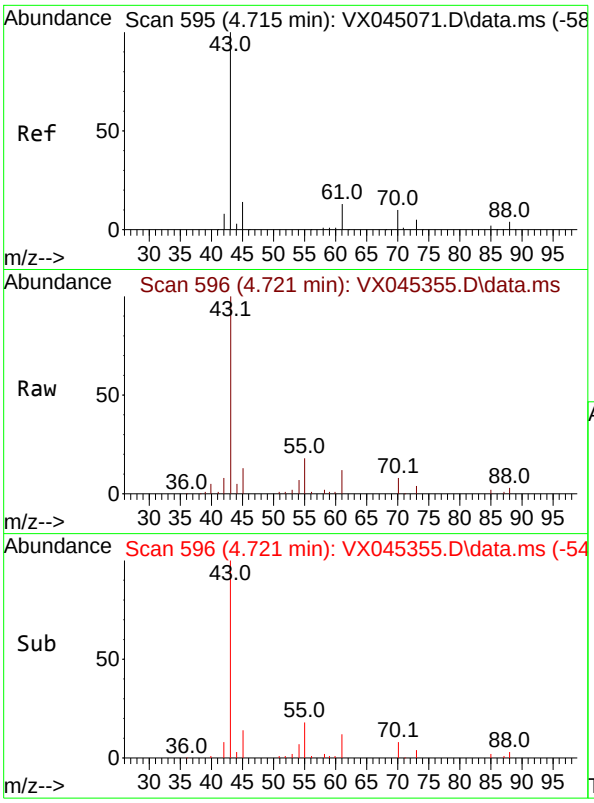


#36
1,1-Dichloropropene
Concen: 17.302 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 28834

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.6
77	31.8	24.5	36.7



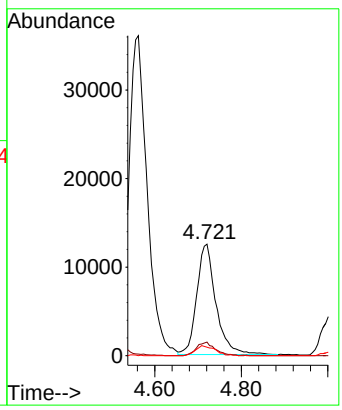


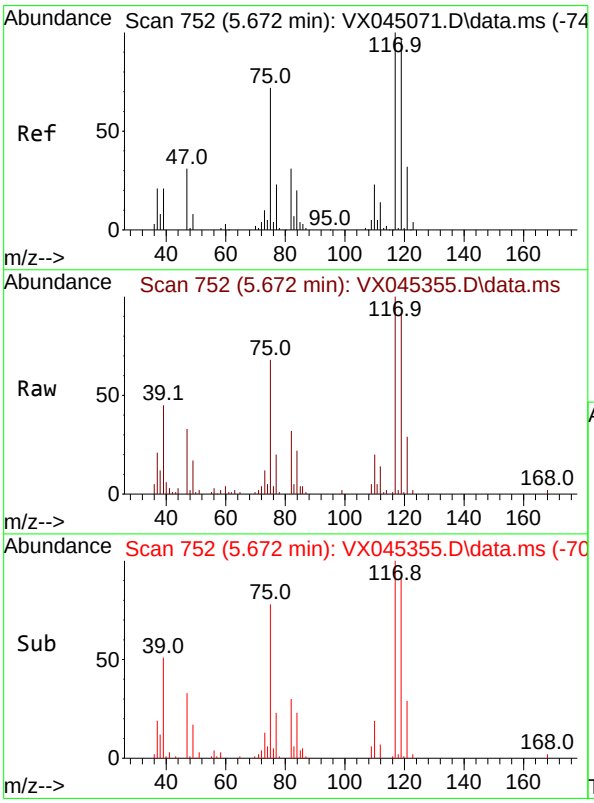
#37
Ethyl Acetate
Concen: 17.842 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 43 Resp: 38316

Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.8	16.2
70	9.2	7.7	11.5

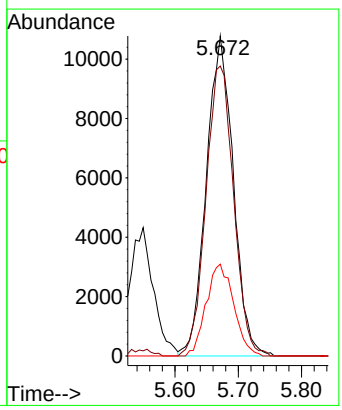


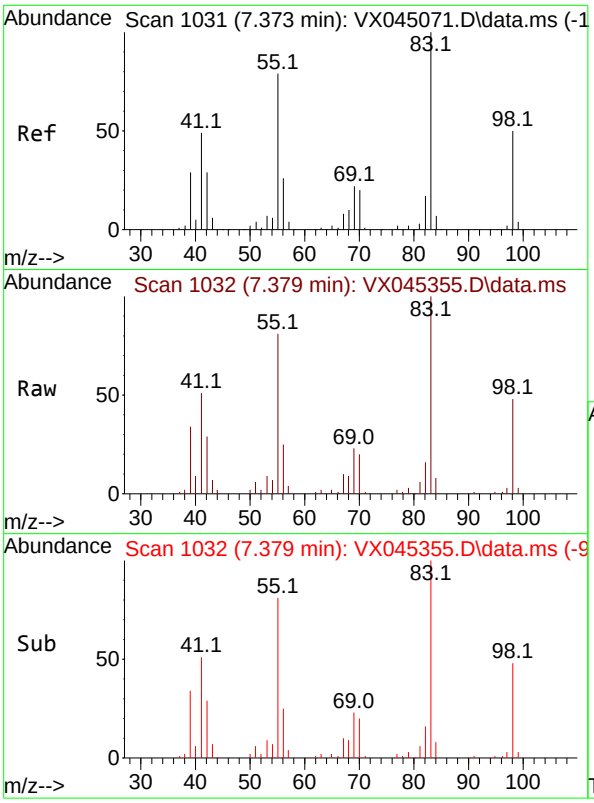


#38
Carbon Tetrachloride
Concen: 18.865 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:117 Resp: 31919

Ion	Ratio	Lower	Upper
117	100		
119	90.6	76.7	115.1
121	28.7	25.5	38.3



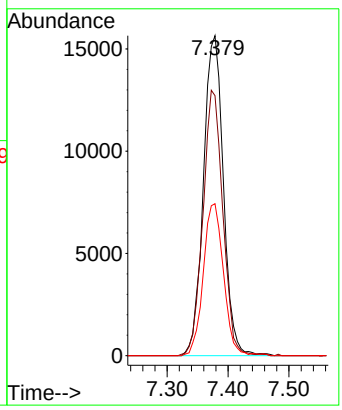


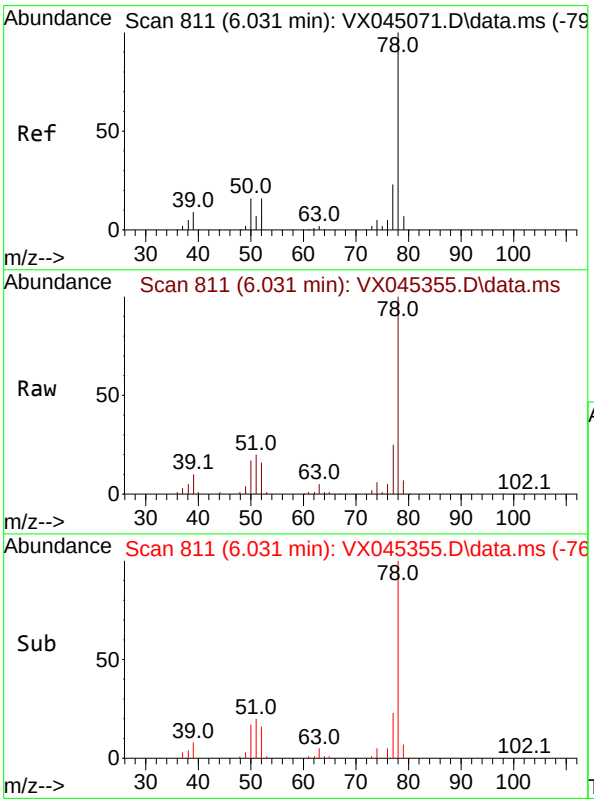
#39
Methylcyclohexane
Concen: 17.861 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 83 Resp: 35667

Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.0	94.4
98	47.5	39.7	59.5

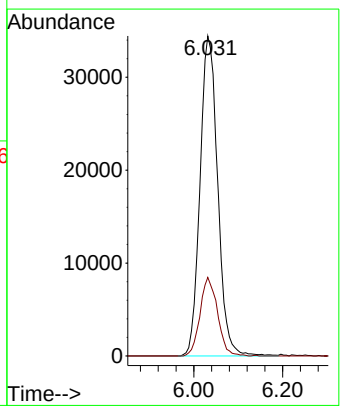


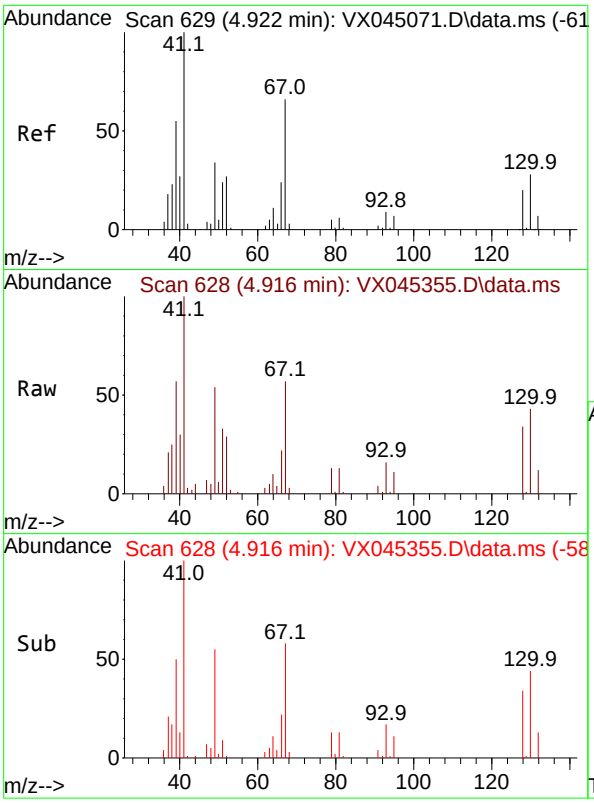


#40
Benzene
Concen: 18.128 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 78 Resp: 95403

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2



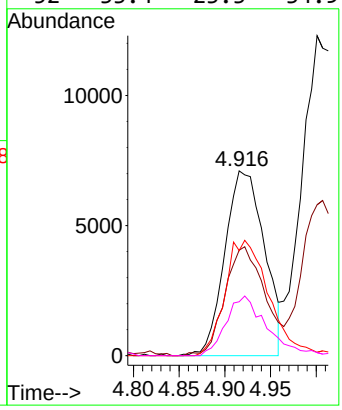


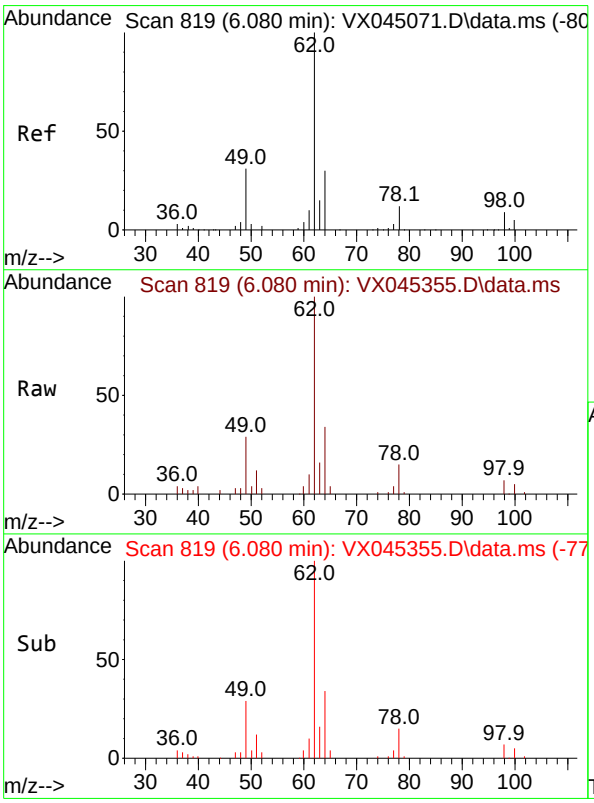
#41
Methacrylonitrile
Concen: 18.447 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 41 Resp: 21420

Ion	Ratio	Lower	Upper
41	100		
39	59.9	44.6	67.0
67	69.7	53.9	80.9
52	33.4	23.3	34.9

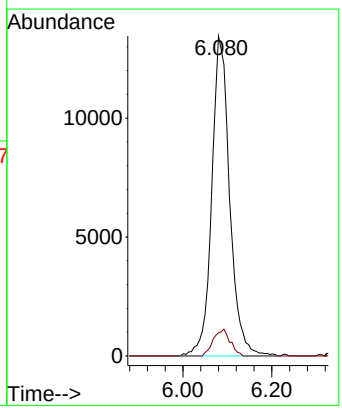


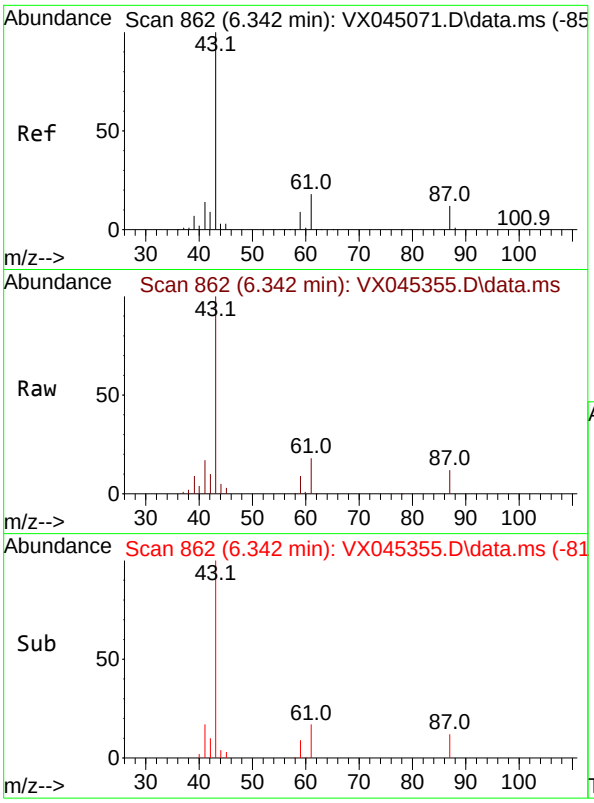


#42
1,2-Dichloroethane
Concen: 19.839 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 62 Resp: 37596

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.2



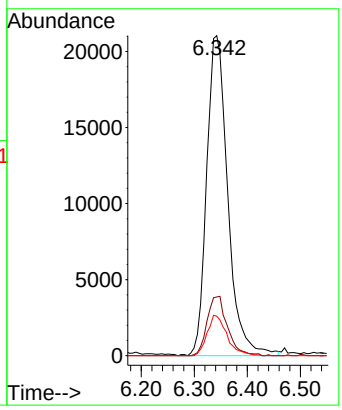


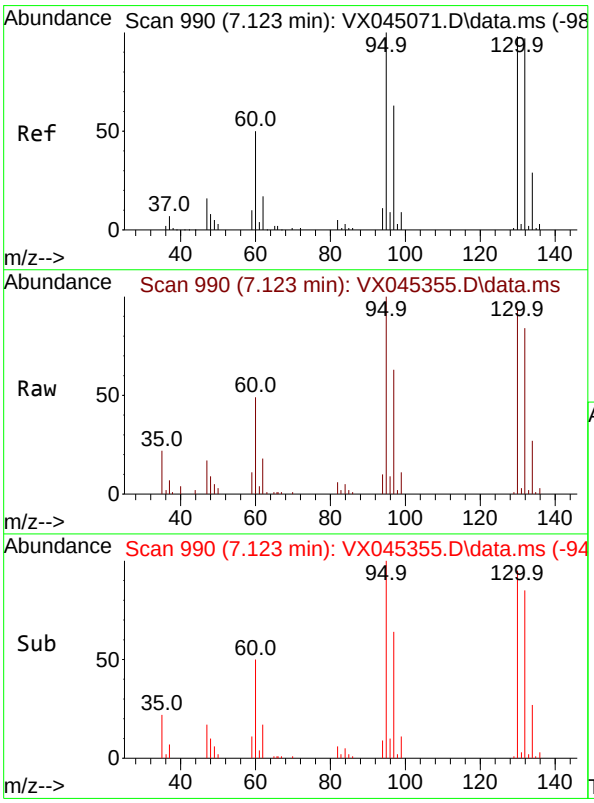
#43
Isopropyl Acetate
Concen: 18.358 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 43 Resp: 58297

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.8	9.4	14.2

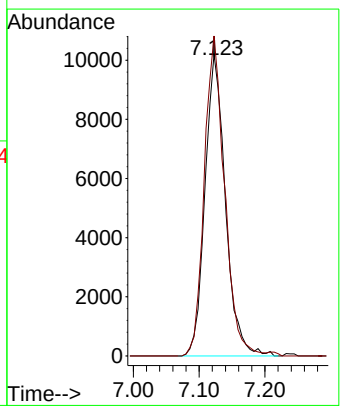


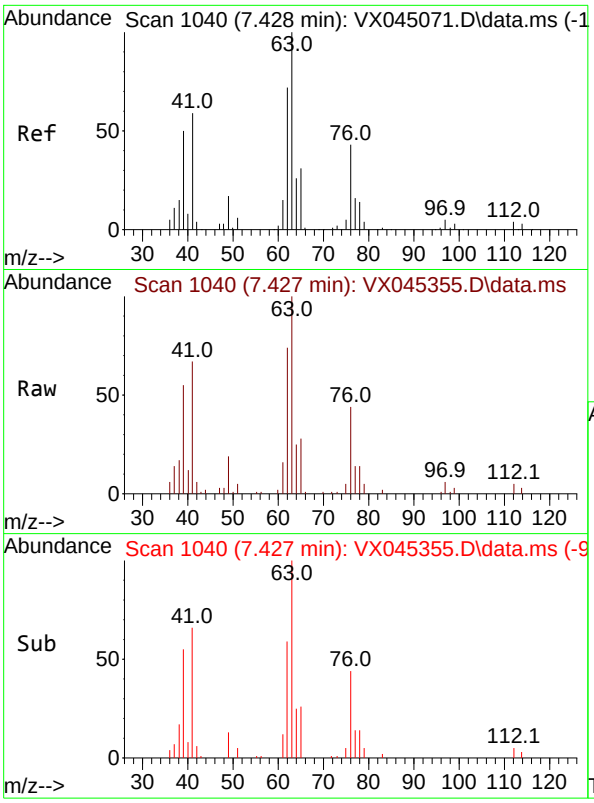


#44
Trichloroethene
Concen: 17.867 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:130 Resp: 22079

Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	205.0



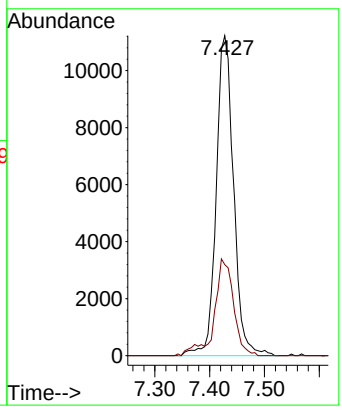


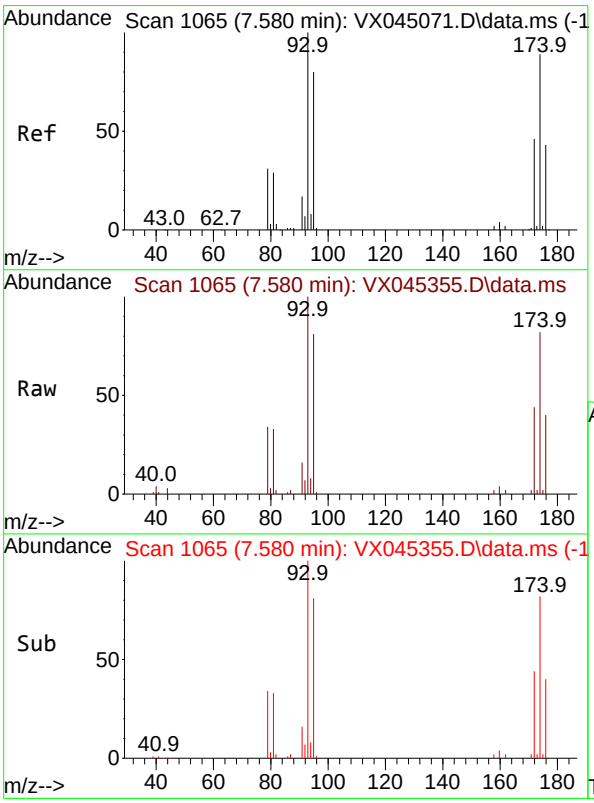
#45
1,2-Dichloropropane
Concen: 18.309 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 63 Resp: 24774

Ion	Ratio	Lower	Upper
63	100		
65	28.4	24.7	37.1

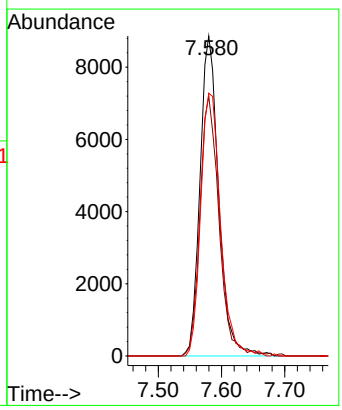


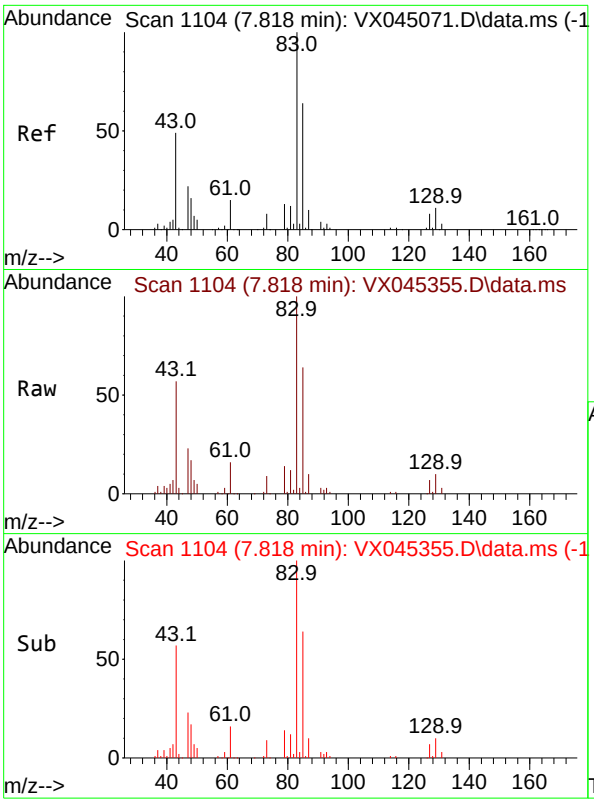


#46
Dibromomethane
Concen: 19.049 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 93 Resp: 18218

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.8
174	87.4	72.2	108.2



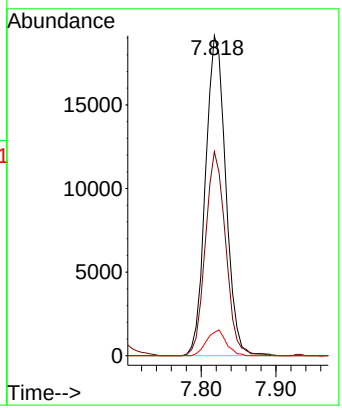


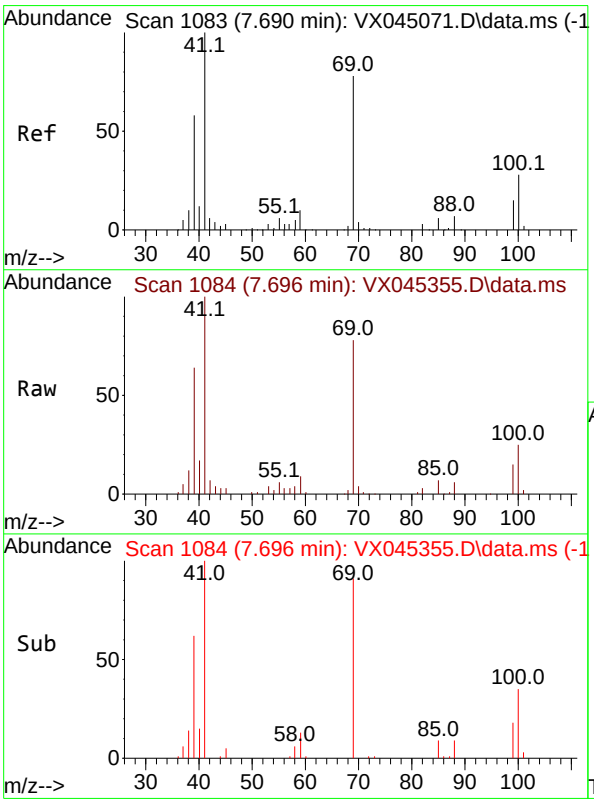
#47
Bromodichloromethane
Concen: 19.182 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 83 Resp: 35984

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	7.3	6.4	9.6

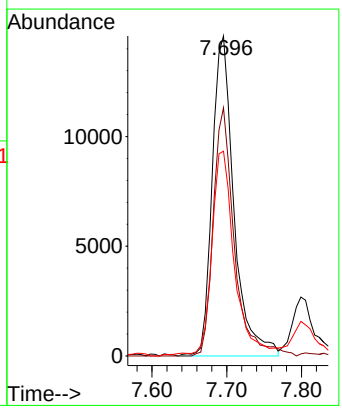


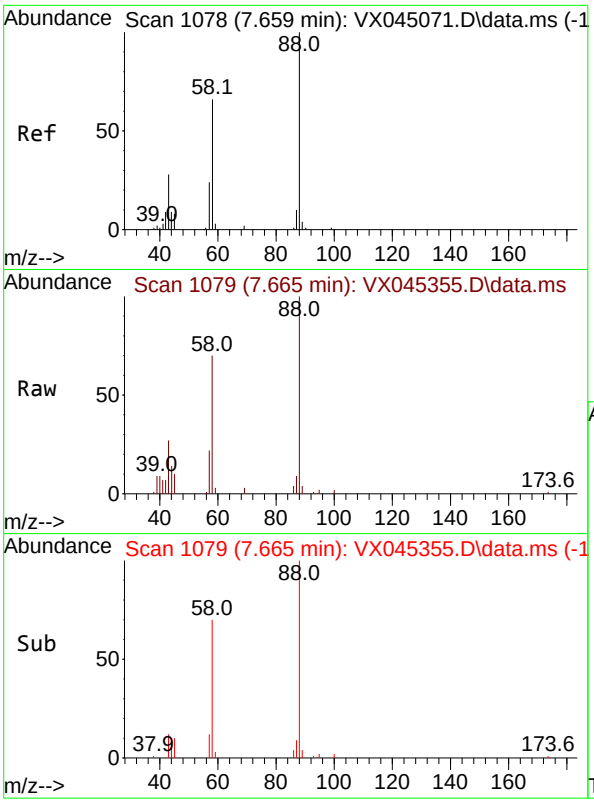


#48
Methyl methacrylate
Concen: 18.474 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 41 Resp: 29431

Ion	Ratio	Lower	Upper
41	100		
69	75.0	63.0	94.6
39	66.8	47.5	71.3



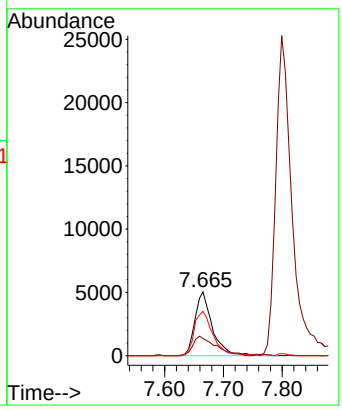


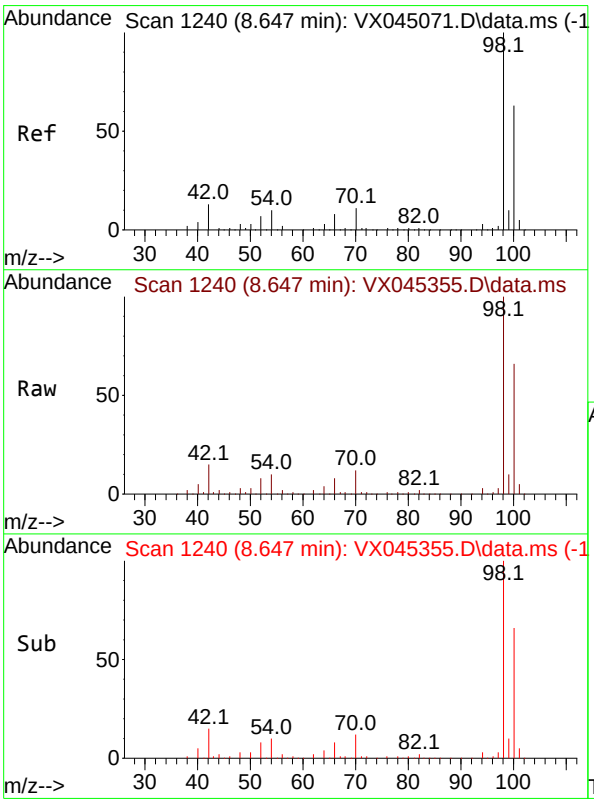
#49
1,4-Dioxane
Concen: 310.577 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 88 Resp: 10437

Ion	Ratio	Lower	Upper
88	100		
43	38.9	28.7	43.1
58	74.5	55.8	83.8

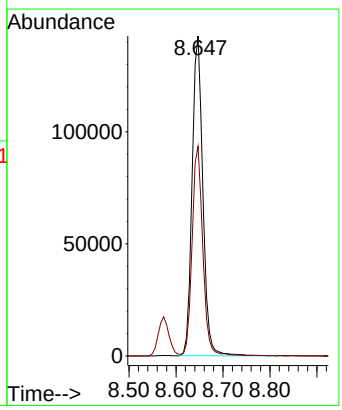


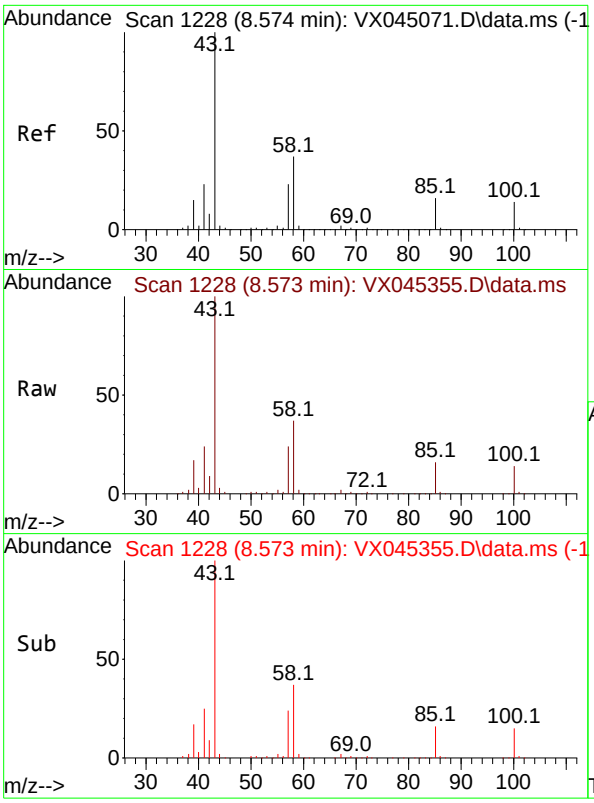


#50
Toluene-d8
Concen: 51.736 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 98 Resp: 227931

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



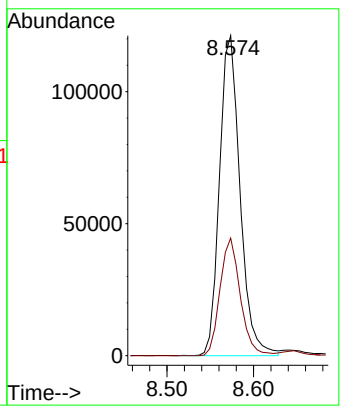


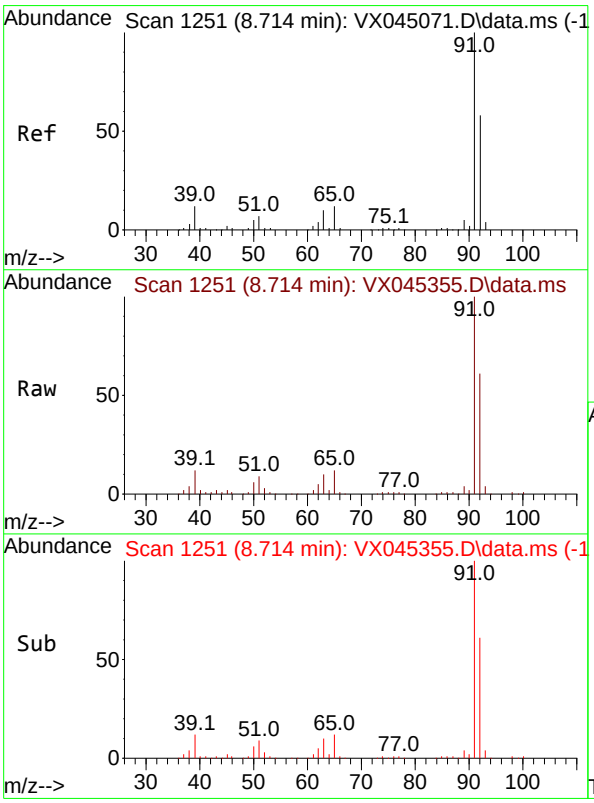
#51
4-Methyl-2-Pentanone
Concen: 93.772 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 43 Resp: 199937

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

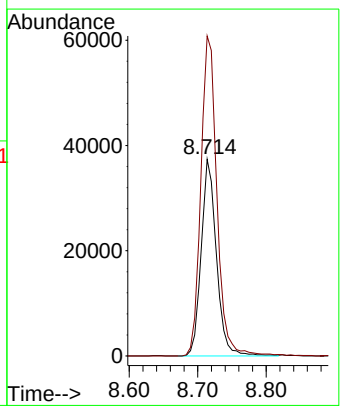


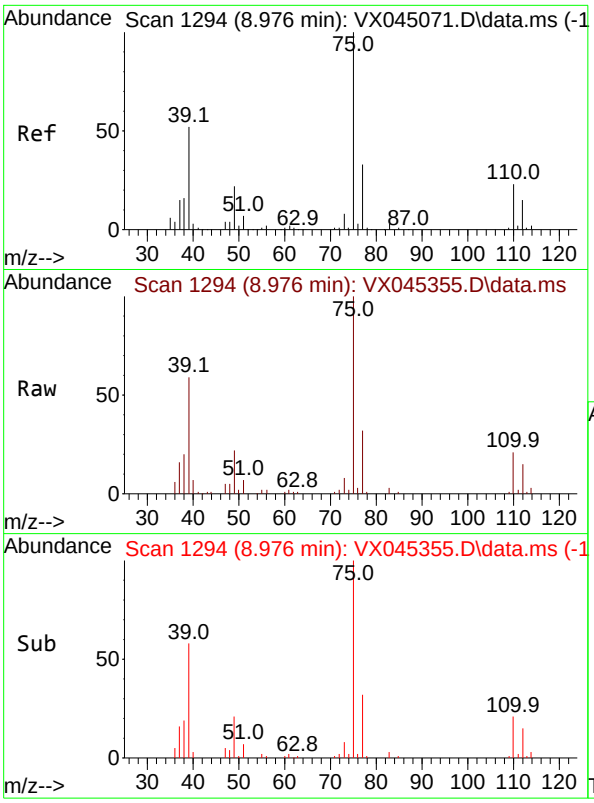


#52
Toluene
Concen: 18.793 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 92 Resp: 58027

Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.9	208.3



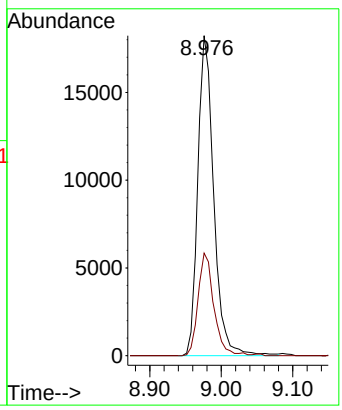


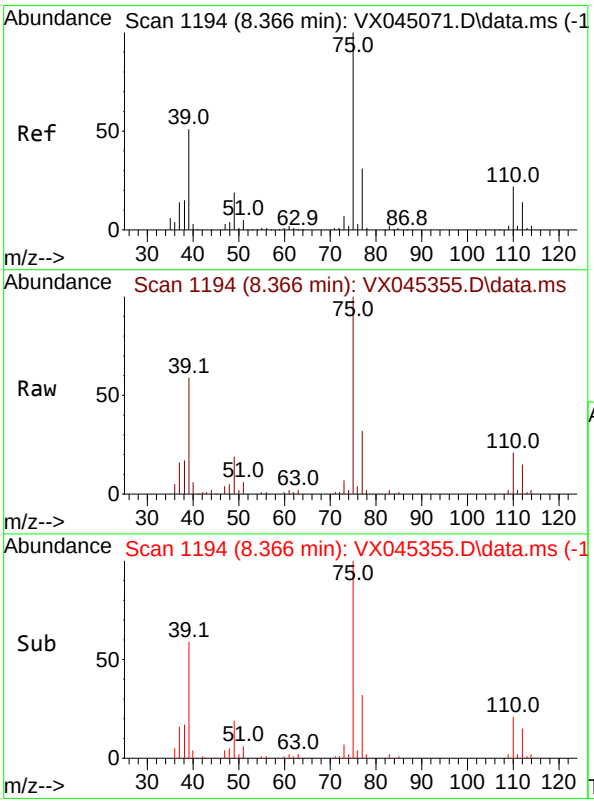
#53
t-1,3-Dichloropropene
Concen: 17.934 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 75 Resp: 28125

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.5	39.7

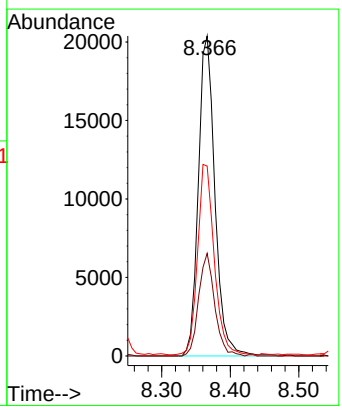


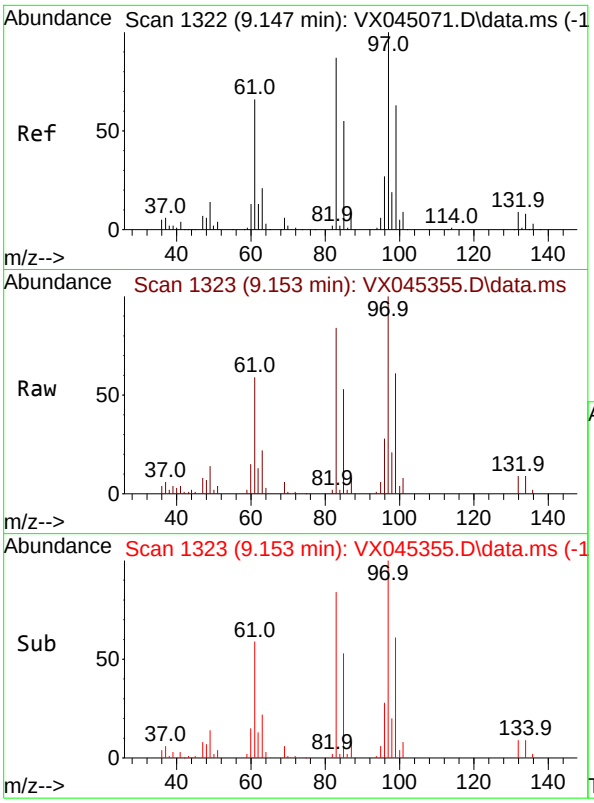


#54
cis-1,3-Dichloropropene
Concen: 18.782 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 34347

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.7	37.1
39	58.8	40.7	61.1



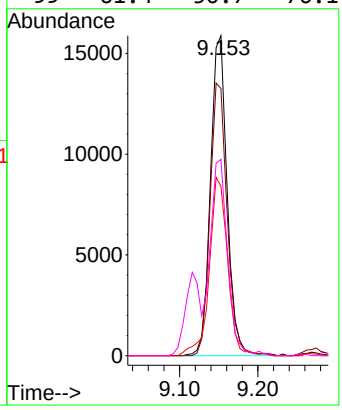


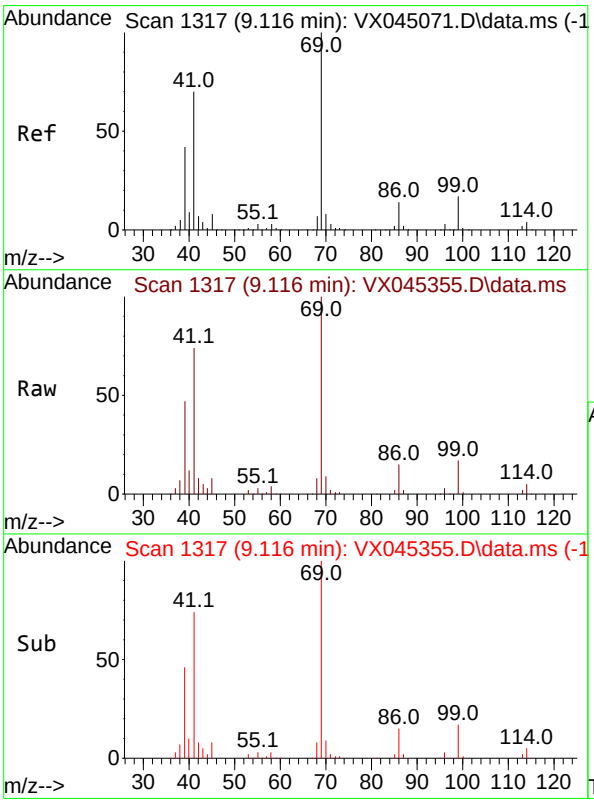
#55
1,1,2-Trichloroethane
Concen: 18.408 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 97 Resp: 23399

Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.4	104.2
85	53.0	44.1	66.1
99	61.4	50.7	76.1

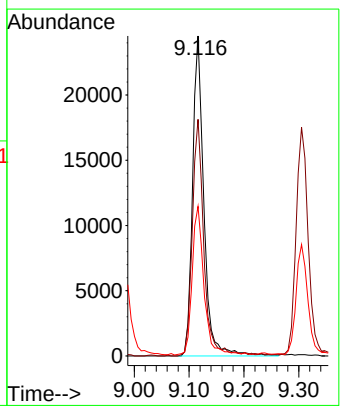


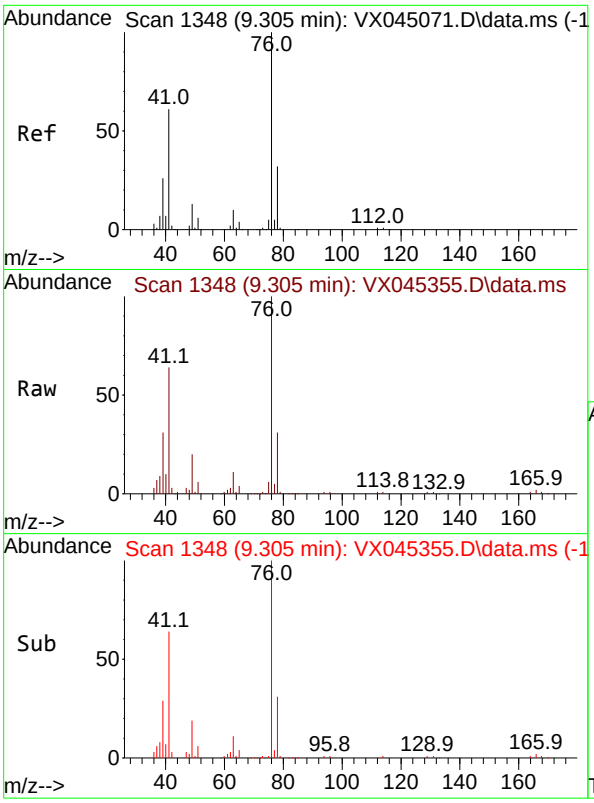


#56
Ethyl methacrylate
Concen: 18.326 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 69 Resp: 35410

Ion	Ratio	Lower	Upper
69	100		
41	74.6	57.0	85.4
39	48.6	34.2	51.4



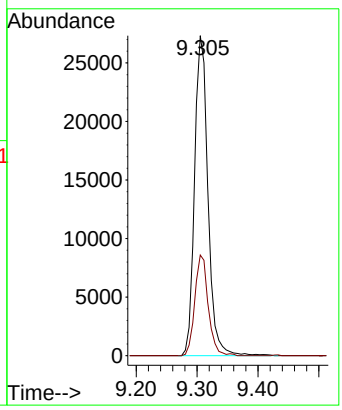


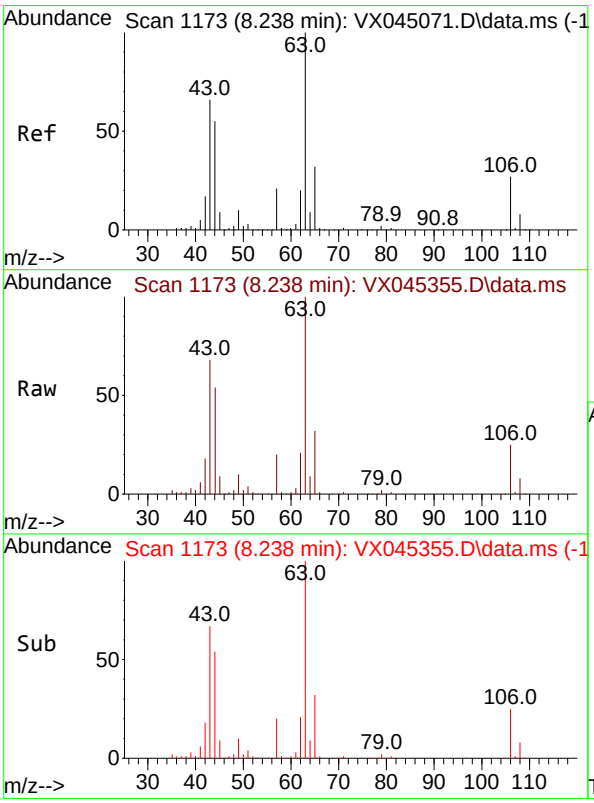
#57
1,3-Dichloropropane
Concen: 18.940 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 76 Resp: 41664

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

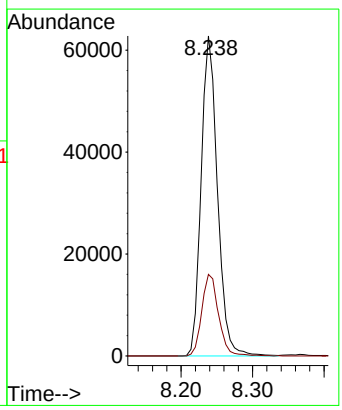


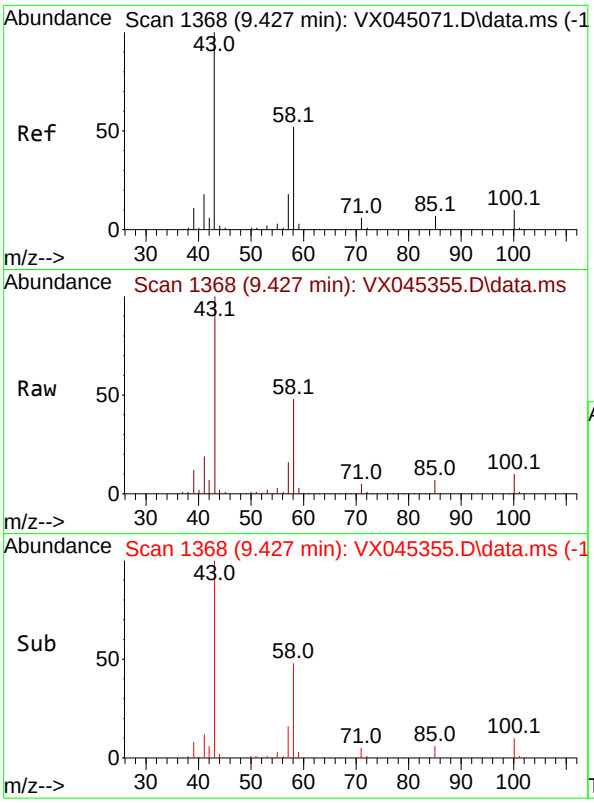


#58
2-Chloroethyl Vinyl ether
Concen: 105.558 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 63 Resp: 99493

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3



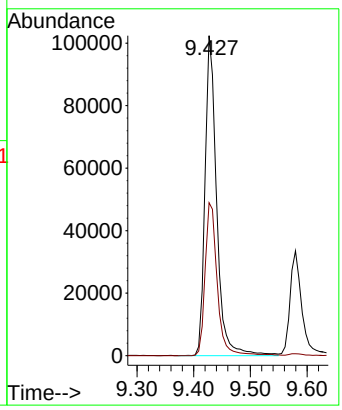


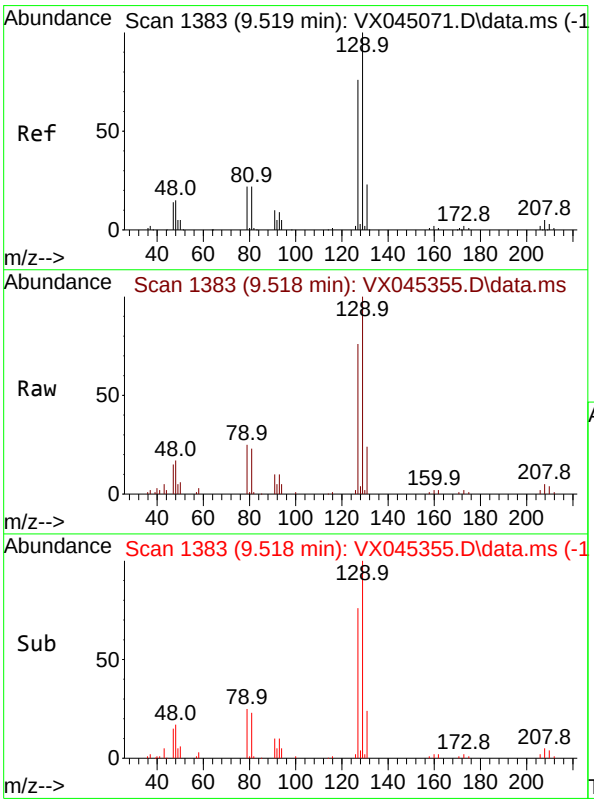
#59
2-Hexanone
Concen: 94.726 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 43 Resp: 146337

Ion	Ratio	Lower	Upper
43	100		
58	50.0	25.9	77.6

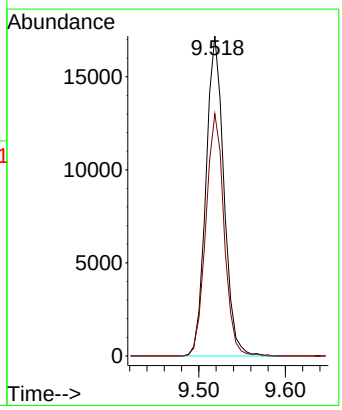


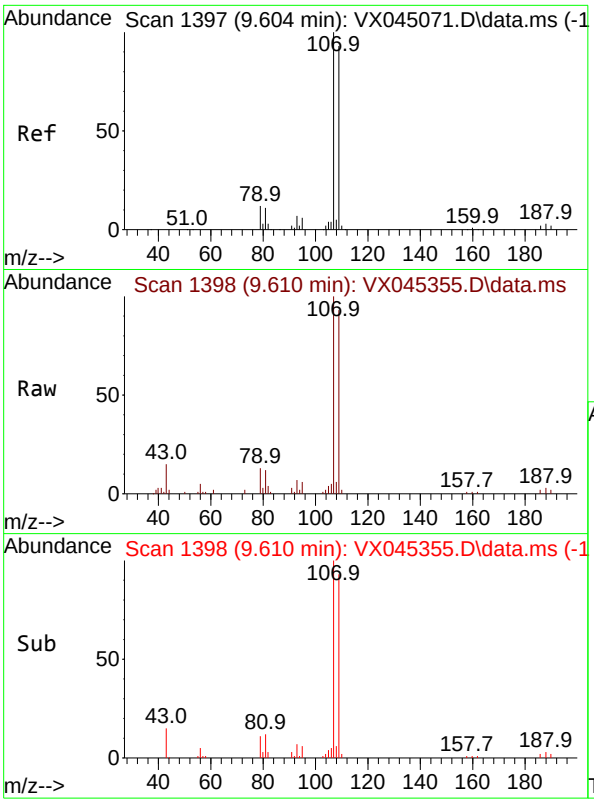


#60
Dibromochloromethane
Concen: 18.591 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:129 Resp: 24709

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



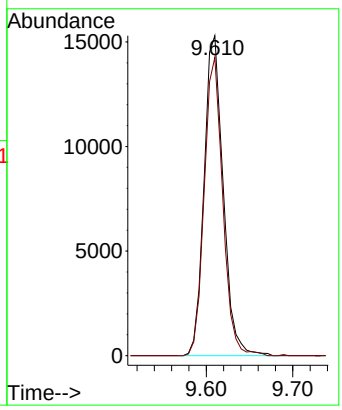


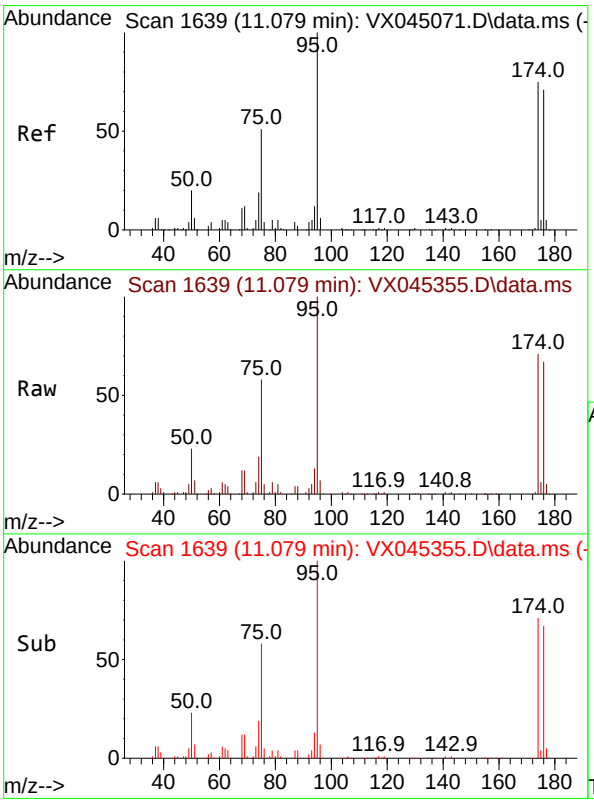
#61
1,2-Dibromoethane
Concen: 18.473 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:107 Resp: 23441

Ion	Ratio	Lower	Upper
107	100		
109	90.2	76.1	114.1

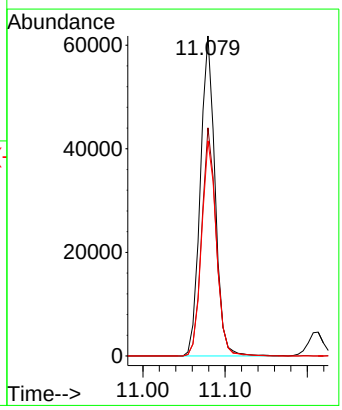


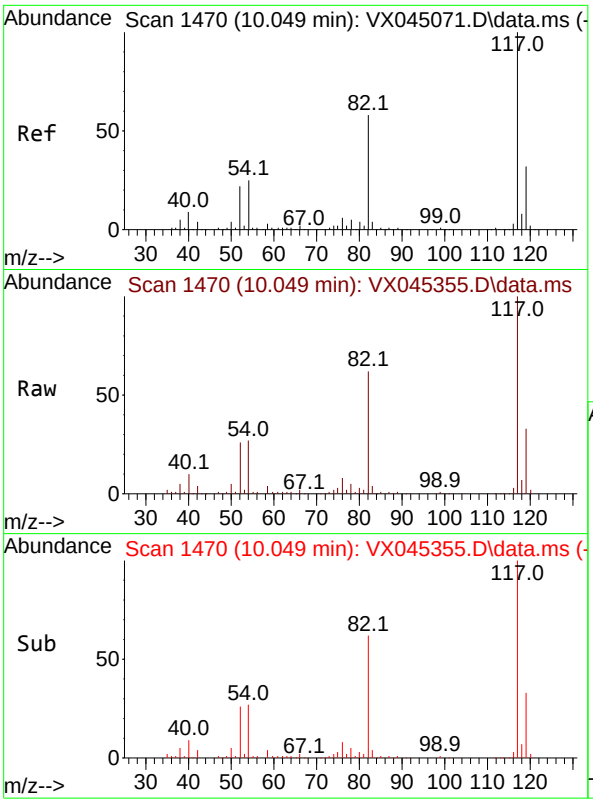


#62
4-Bromofluorobenzene
Concen: 52.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 95 Resp: 76667

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	148.2
176	67.7	0.0	141.4



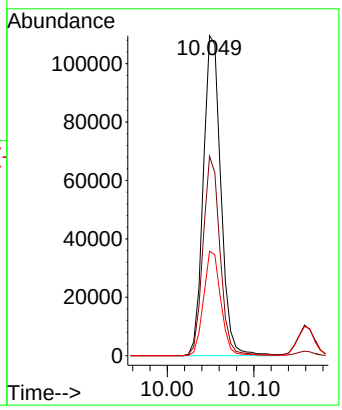


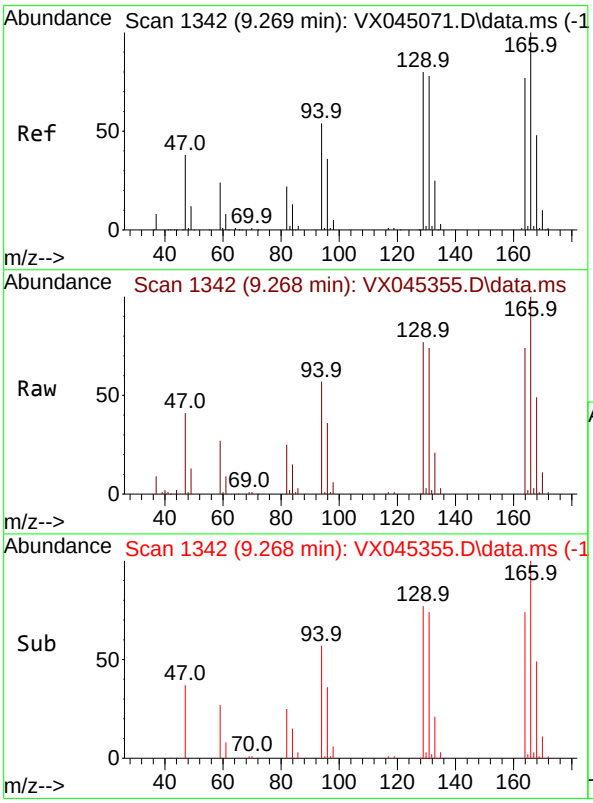
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:117 Resp: 154271

Ion	Ratio	Lower	Upper
117	100		
82	62.4	46.3	69.5
119	32.7	25.7	38.5

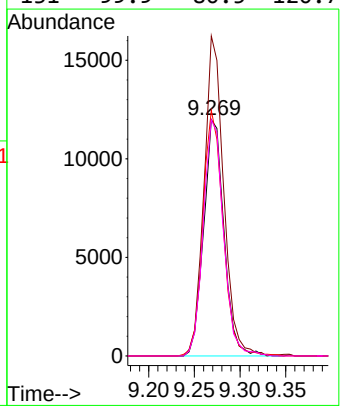


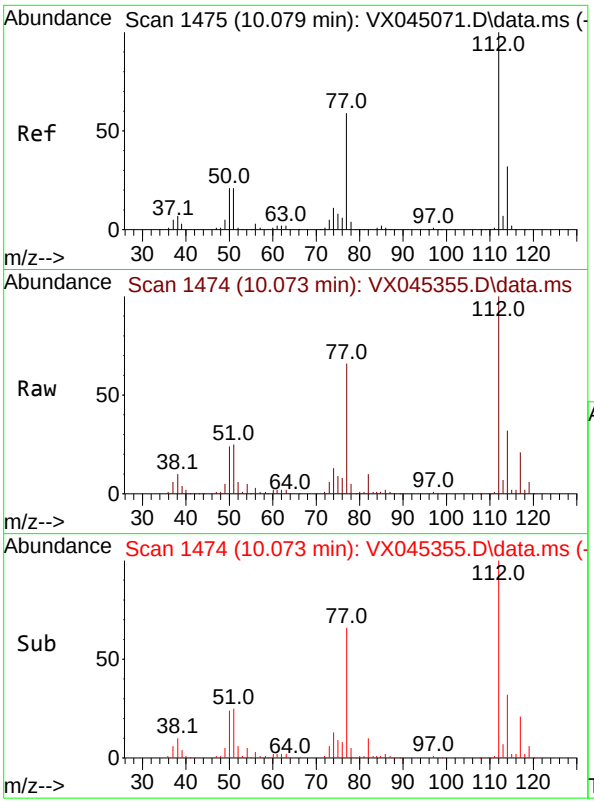


#64
Tetrachloroethene
Concen: 18.748 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:164 Resp: 18524

Ion	Ratio	Lower	Upper
164	100		
166	135.4	103.6	155.4
129	103.9	82.7	124.1
131	99.9	80.5	120.7



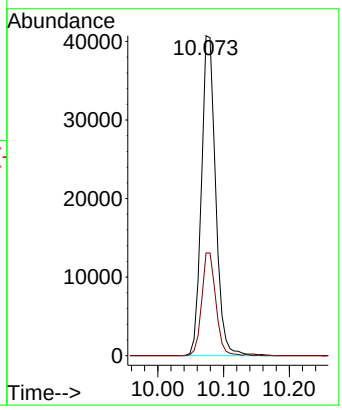


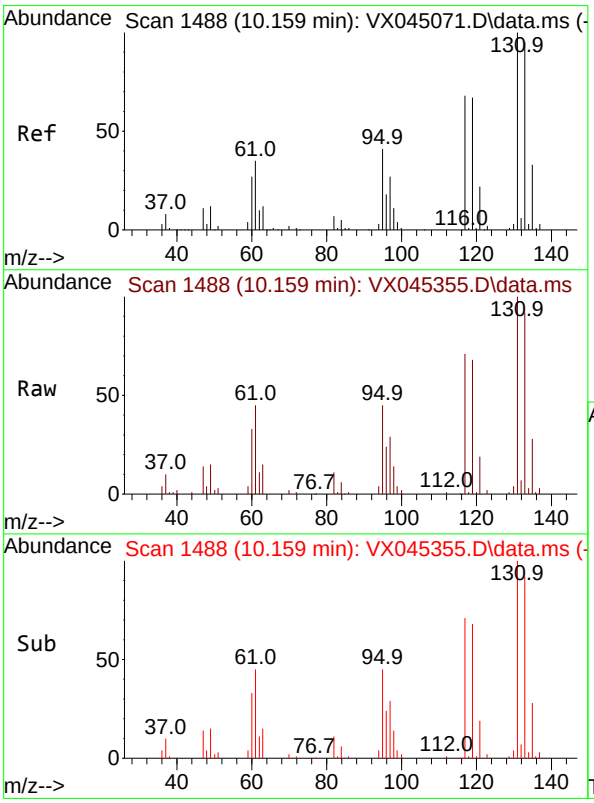
#65
Chlorobenzene
Concen: 18.763 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:112 Resp: 61249

Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0

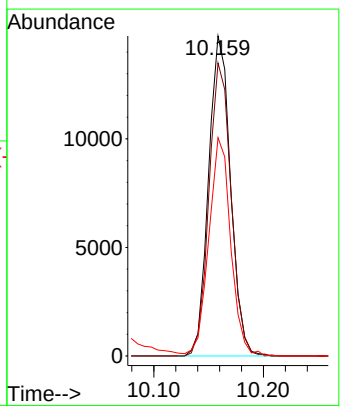


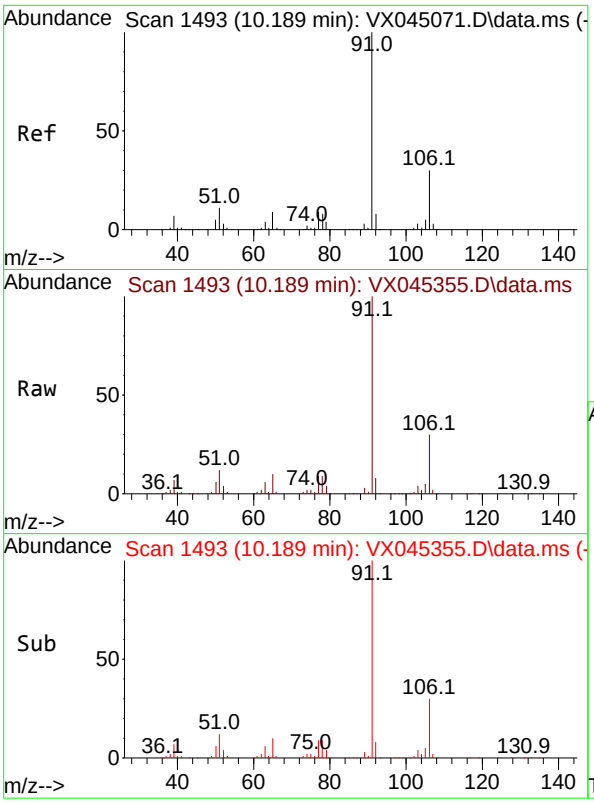


#66
1,1,1,2-Tetrachloroethane
Concen: 18.893 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:131 Resp: 20539

Ion	Ratio	Lower	Upper
131	100		
133	92.1	48.6	145.9
119	67.9	33.9	101.7



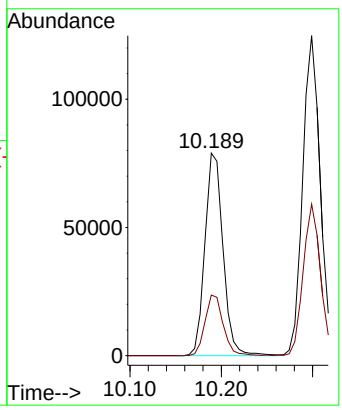


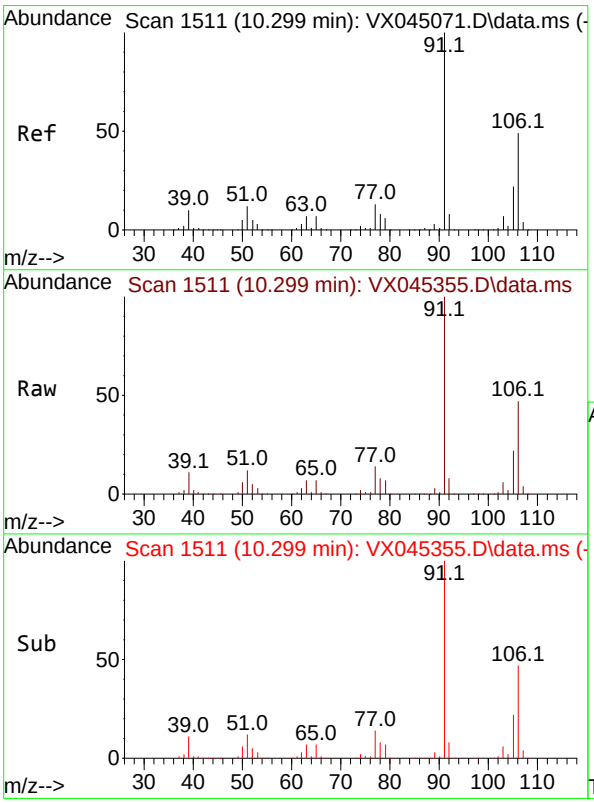
#67
Ethyl Benzene
Concen: 19.129 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 91 Resp: 108805

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

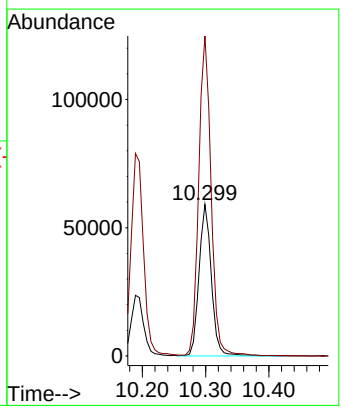


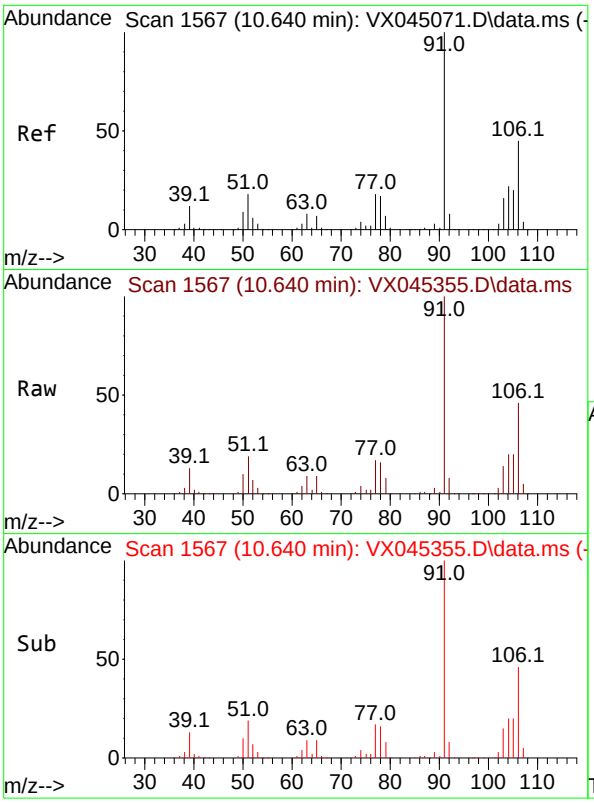


#68
m/p-Xylenes
Concen: 38.487 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:106 Resp: 80137

Ion	Ratio	Lower	Upper
106	100		
91	211.0	165.4	248.0



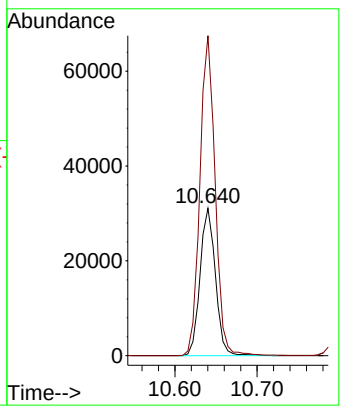


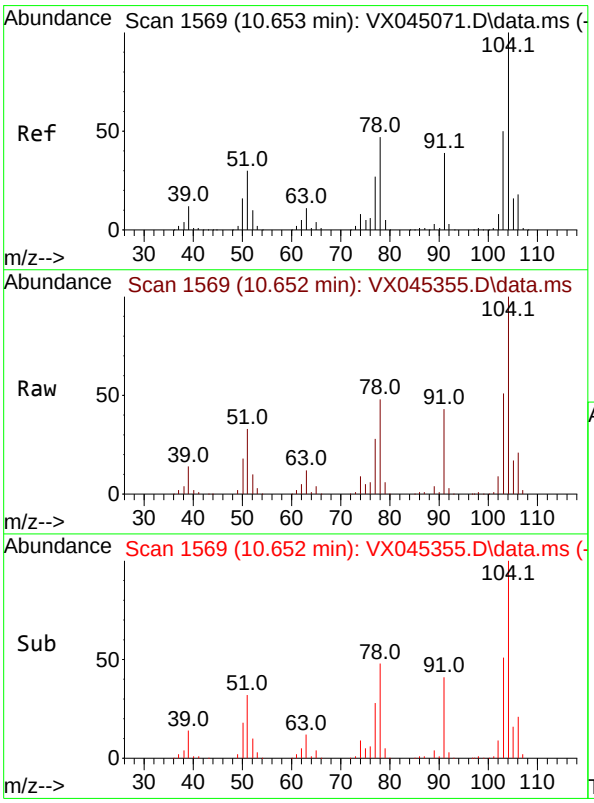
#69
o-Xylene
Concen: 19.274 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:106 Resp: 40477

Ion	Ratio	Lower	Upper
106	100		
91	215.0	109.9	329.6

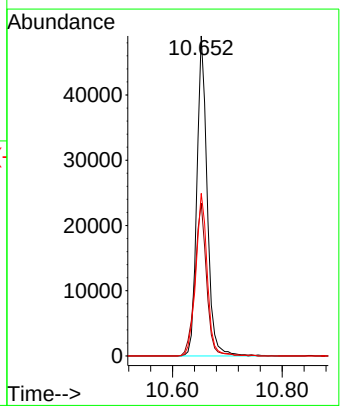


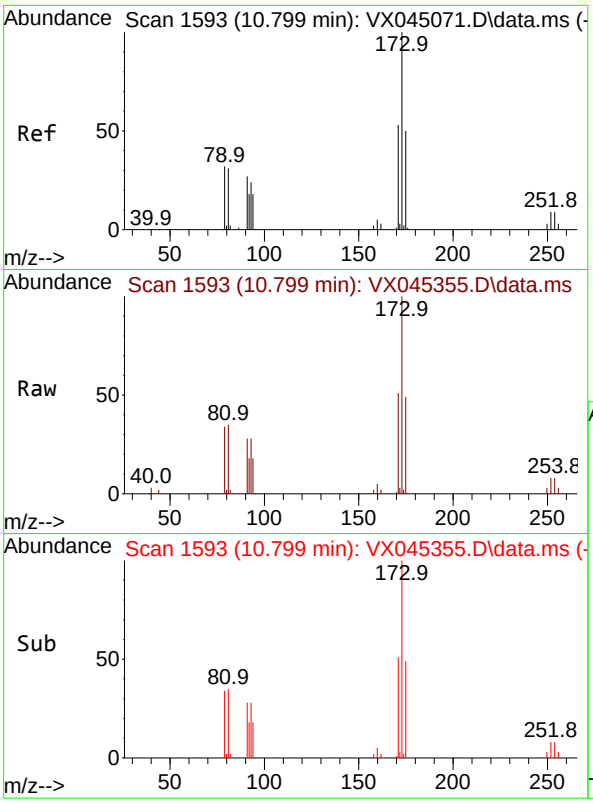


#70
Styrene
Concen: 18.998 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:104 Resp: 64556

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	56.2	43.8	65.8



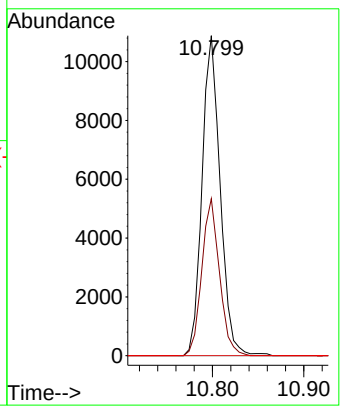


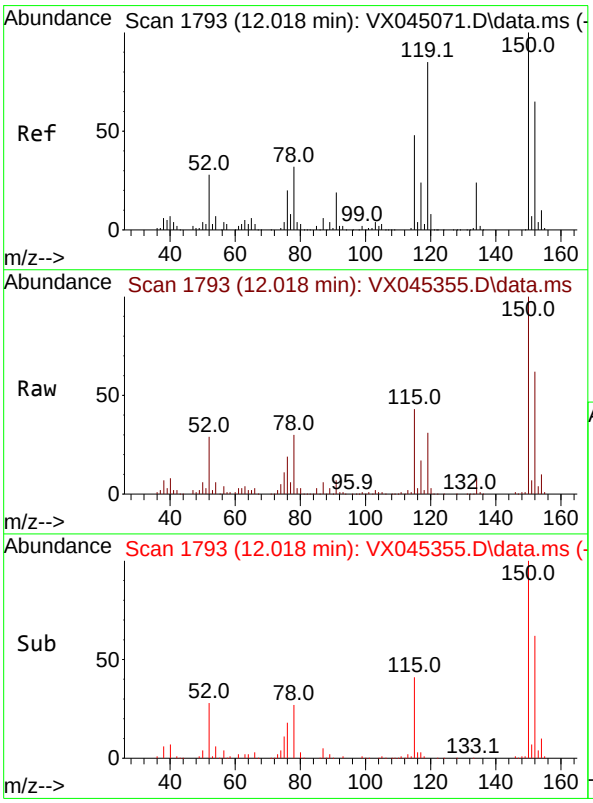
#71
Bromoform
Concen: 18.235 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:173 Resp: 14948

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.6
254	0.0	0.0	0.0

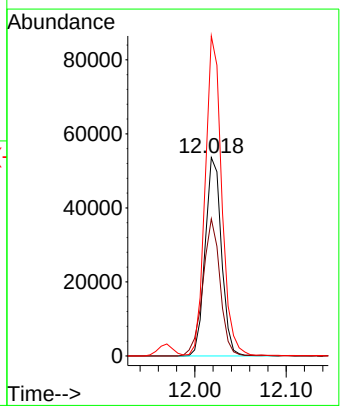


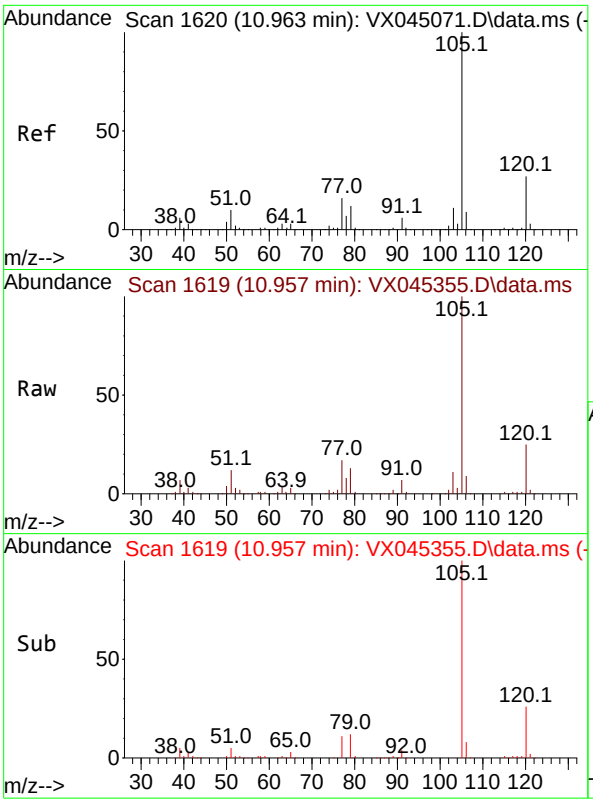


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:152 Resp: 66247

Ion	Ratio	Lower	Upper
152	100		
115	72.8	44.2	132.6
150	163.3	0.0	349.0



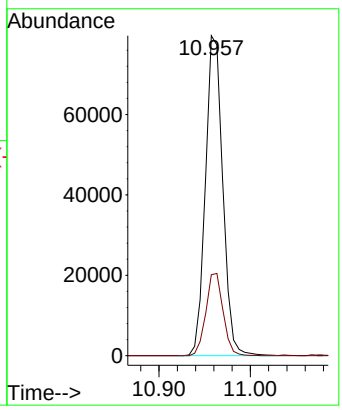


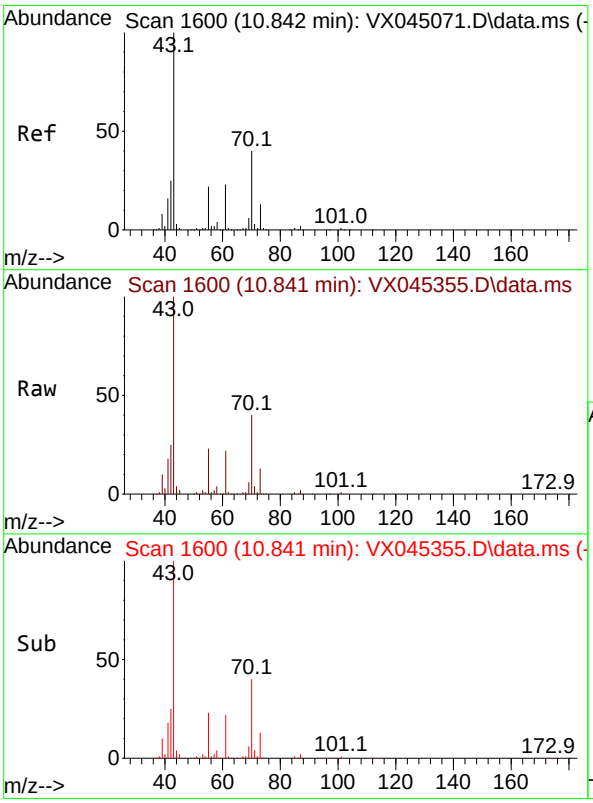
#73
Isopropylbenzene
Concen: 20.247 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:105 Resp: 104692

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

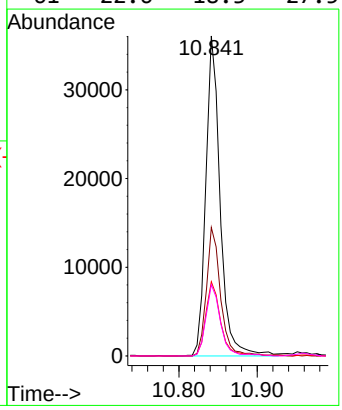


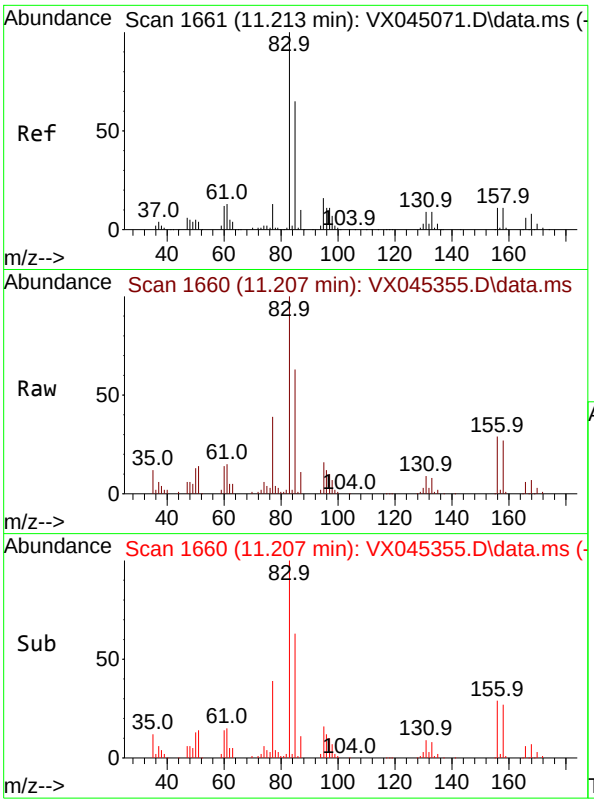


#74
N-amyl acetate
Concen: 18.906 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 43 Resp: 45871

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	24.0	18.3	27.5
61	22.6	18.3	27.5



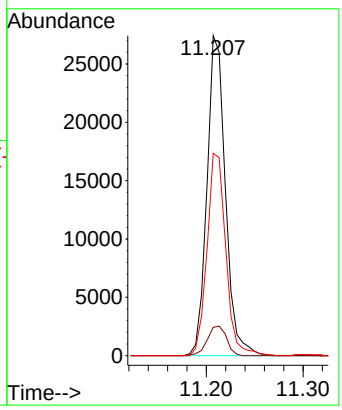


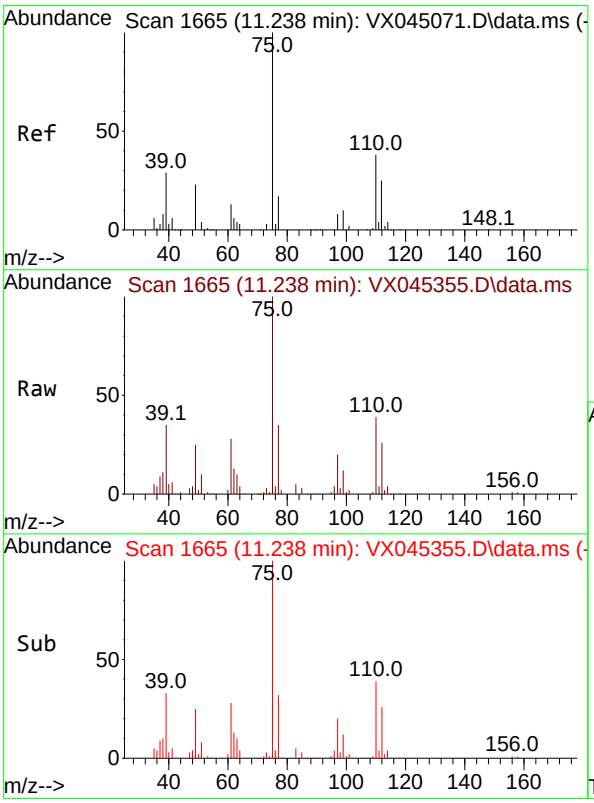
#75
1,1,2,2-Tetrachloroethane
Concen: 19.215 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 83 Resp: 36461

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.5	13.4
85	64.4	31.7	95.1

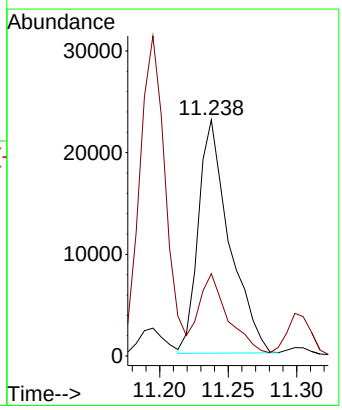


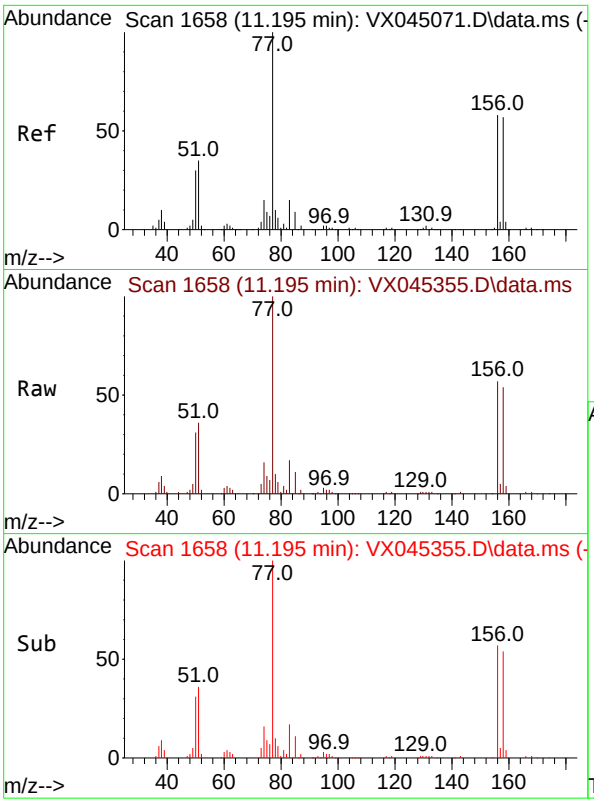


#76
1,2,3-Trichloropropane
Concen: 23.515 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 36258

Ion	Ratio	Lower	Upper
75	100		
77	34.3	20.7	62.1



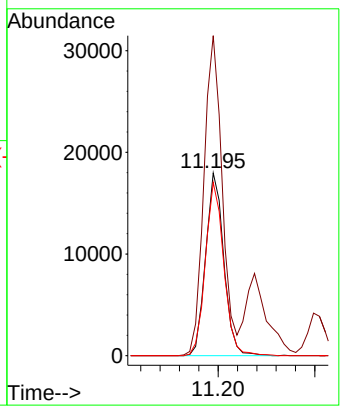


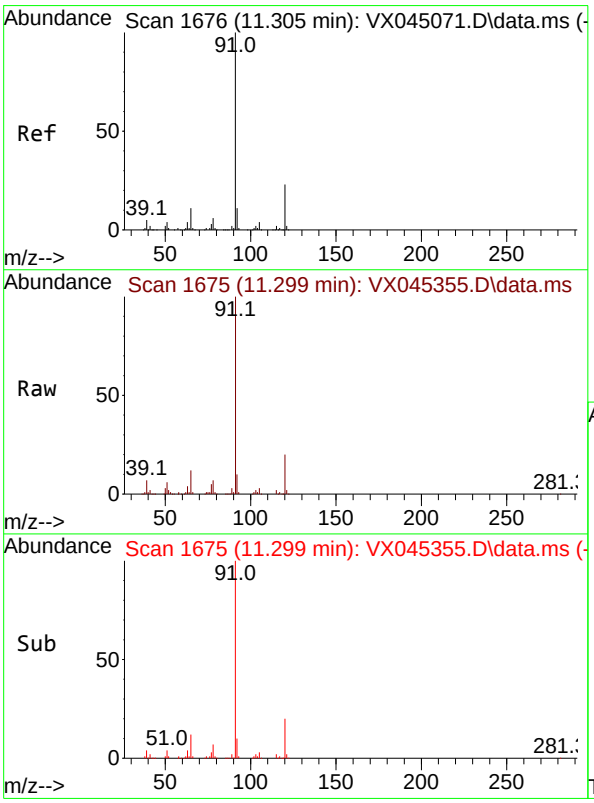
#77
Bromobenzene
Concen: 19.202 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:156 Resp: 23427

Ion	Ratio	Lower	Upper
156	100		
77	176.4	85.8	257.4
158	96.6	48.4	145.2

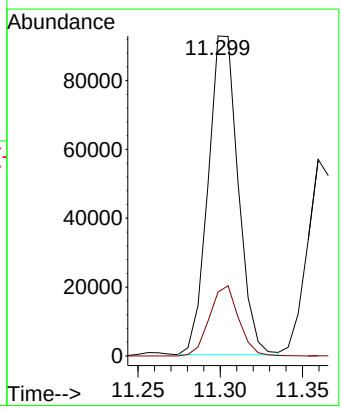


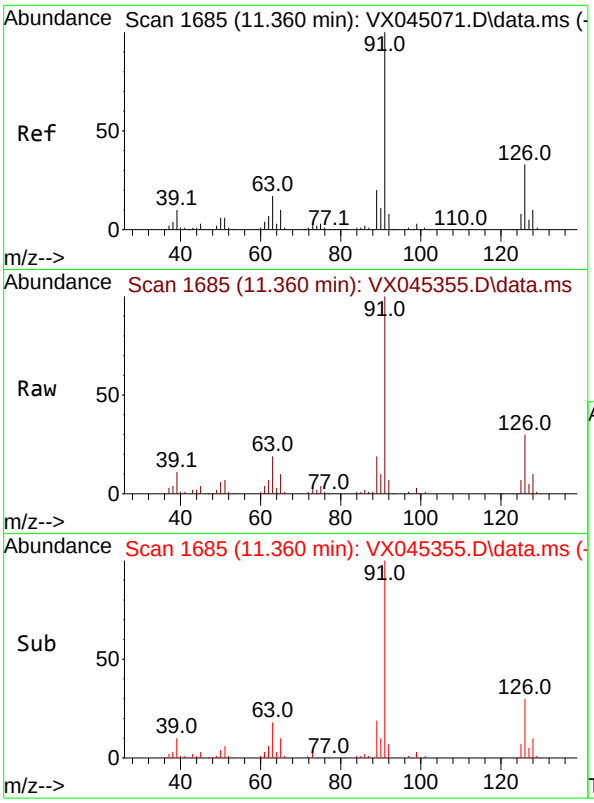


#78
n-propylbenzene
Concen: 20.197 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 91 Resp: 117971

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6



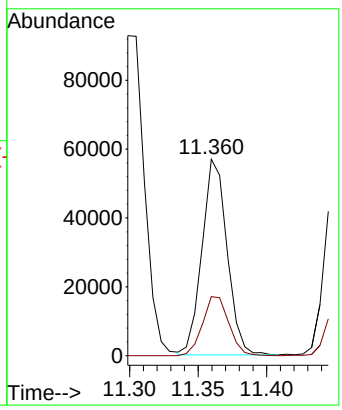


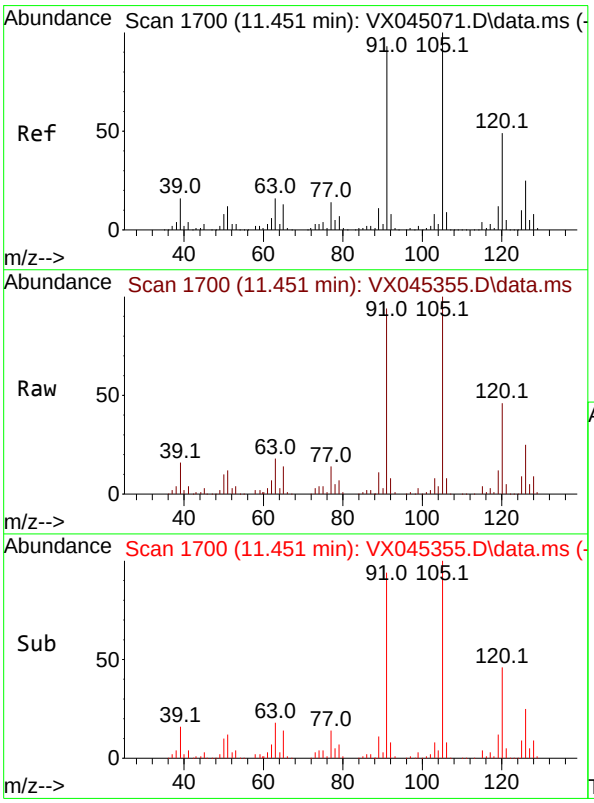
#79
2-Chlorotoluene
Concen: 19.423 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 91 Resp: 72251

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4

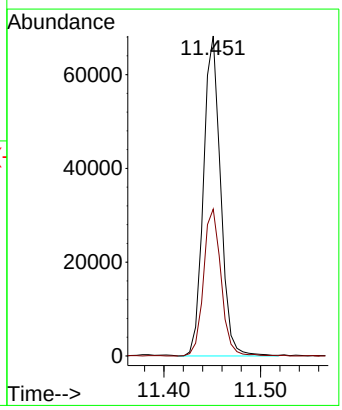


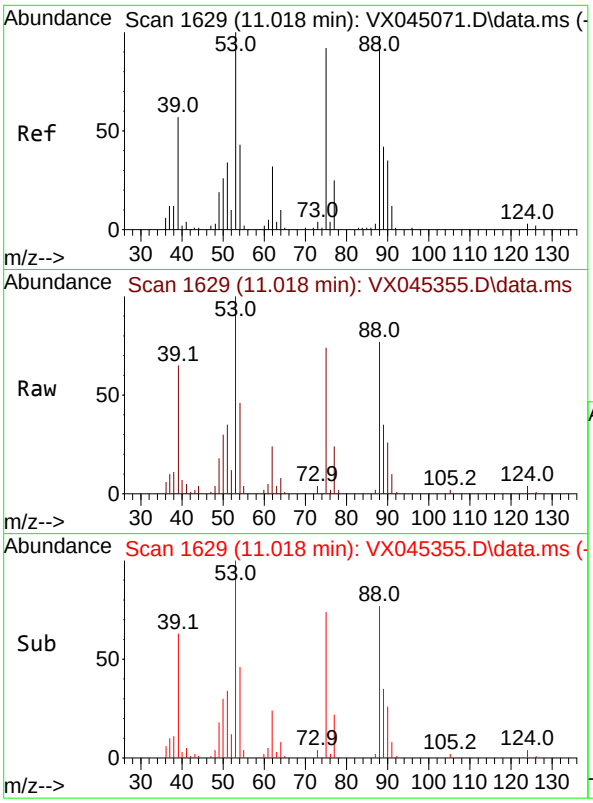


#80
1,3,5-Trimethylbenzene
Concen: 20.177 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:105 Resp: 84359

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	72.2



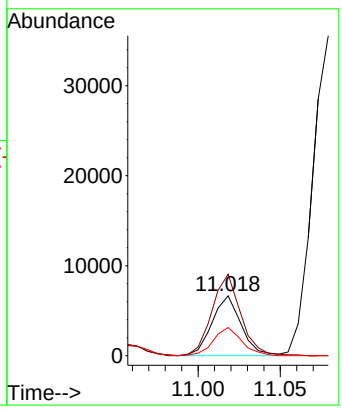


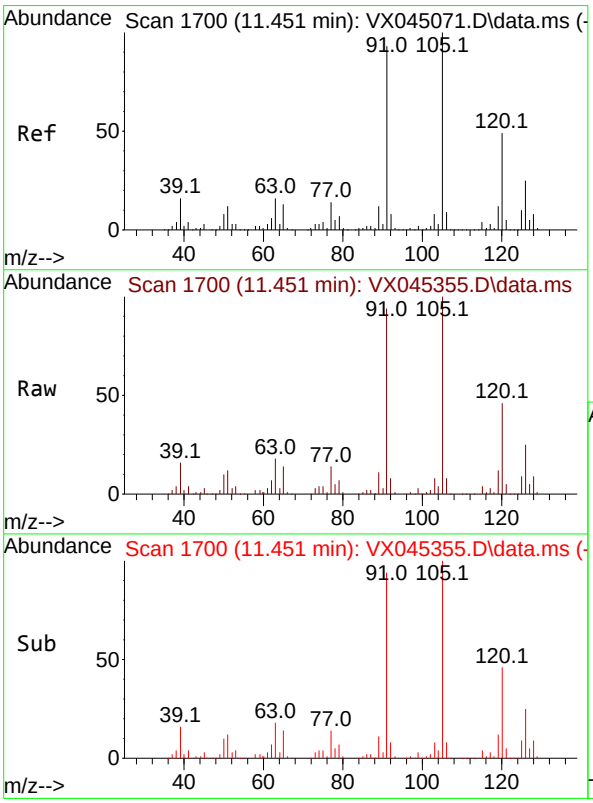
#81
trans-1,4-Dichloro-2-butene
Concen: 18.191 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 75 Resp: 8196

Ion	Ratio	Lower	Upper
75	100		
53	135.0	88.5	132.7#
89	45.7	36.2	54.4

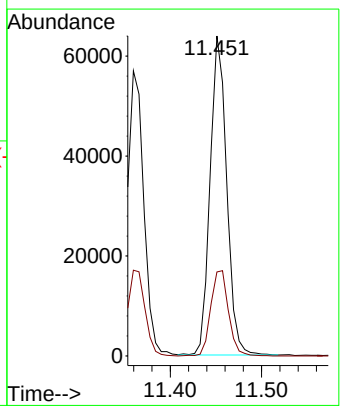


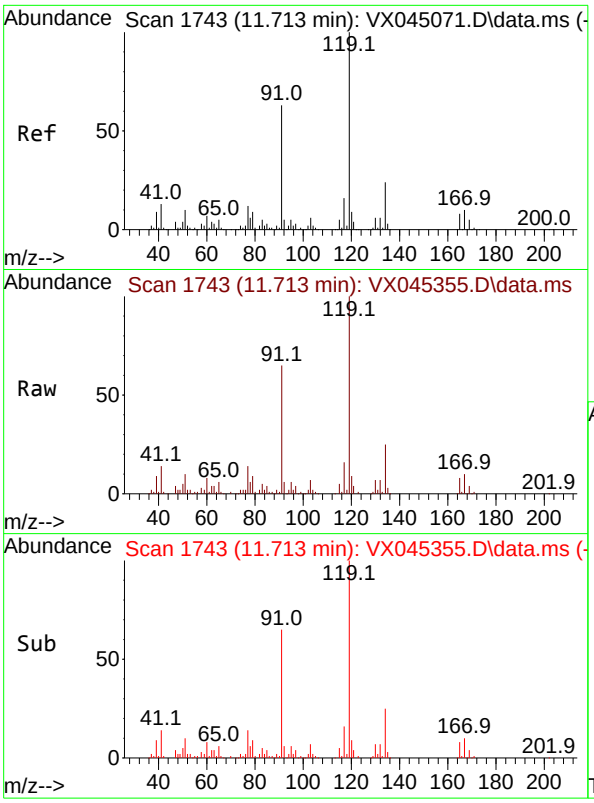


#82
4-Chlorotoluene
Concen: 19.851 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 91 Resp: 80479

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4



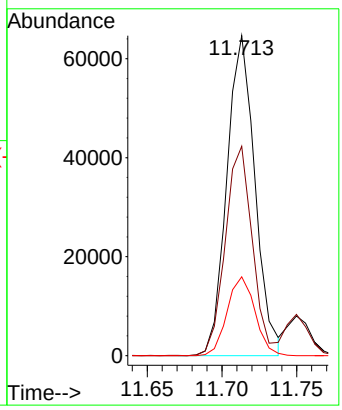


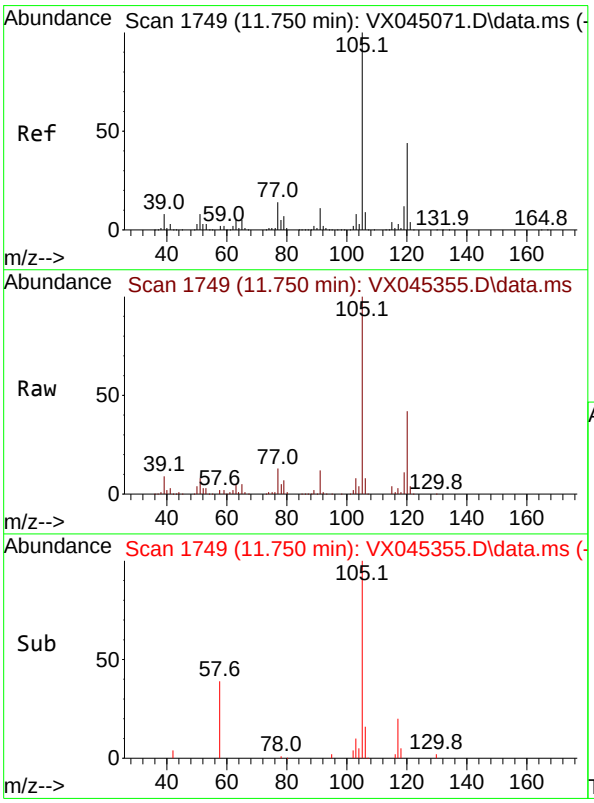
#83
tert-Butylbenzene
Concen: 19.701 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:119 Resp: 84632

Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.7	92.1
134	24.4	11.7	35.0

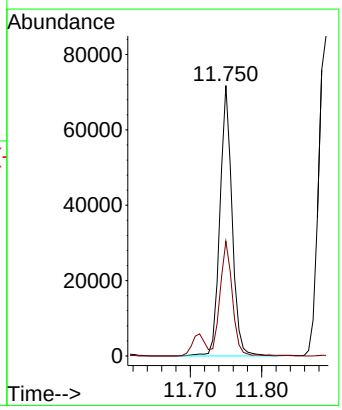


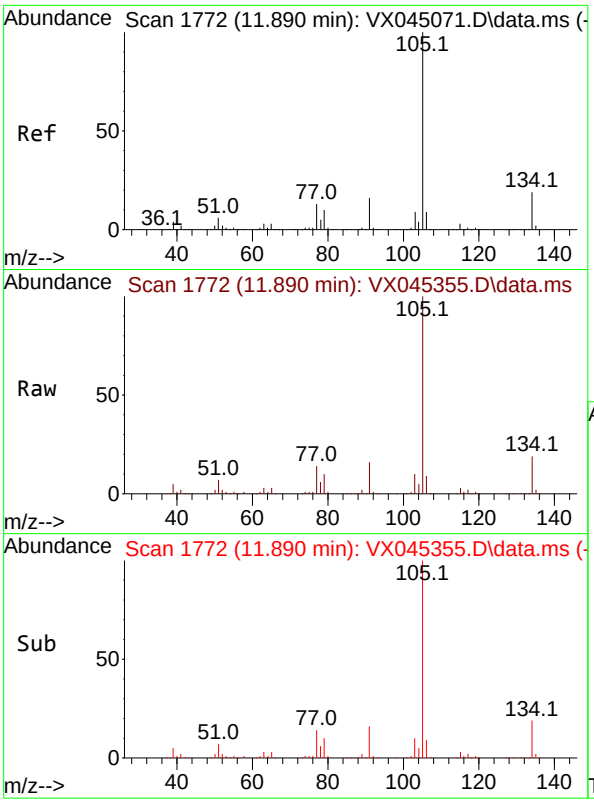


#84
1,2,4-Trimethylbenzene
Concen: 20.144 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:105 Resp: 84742

Ion	Ratio	Lower	Upper
105	100		
120	42.8	22.1	66.1



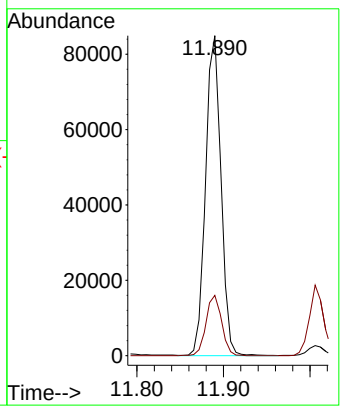


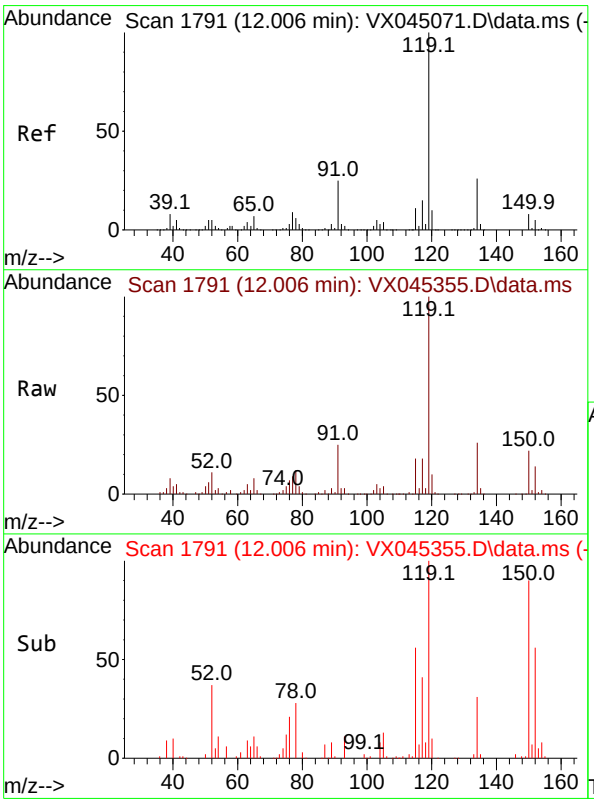
#85
sec-Butylbenzene
Concen: 20.425 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:105 Resp: 105104

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

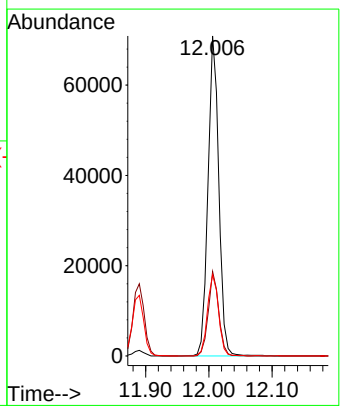


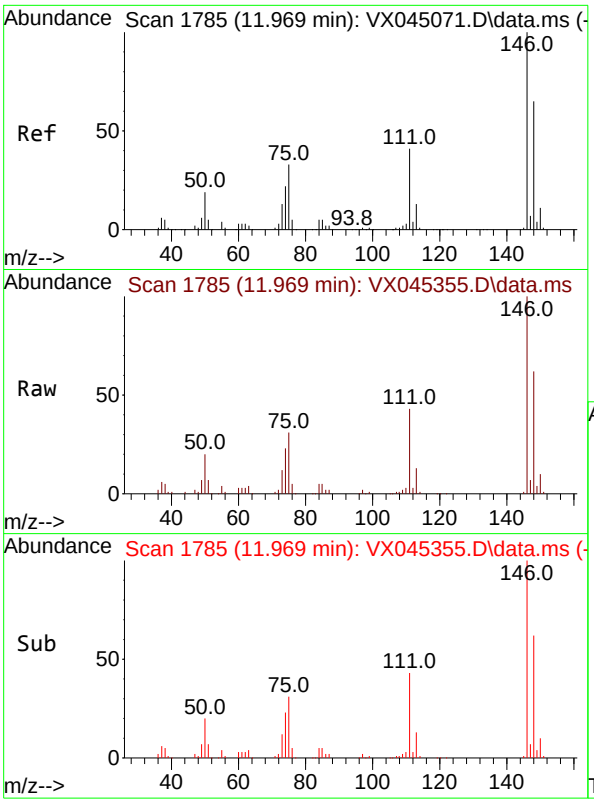


#86
p-Isopropyltoluene
Concen: 20.278 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:119 Resp: 84328

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	26.1	12.7	38.0



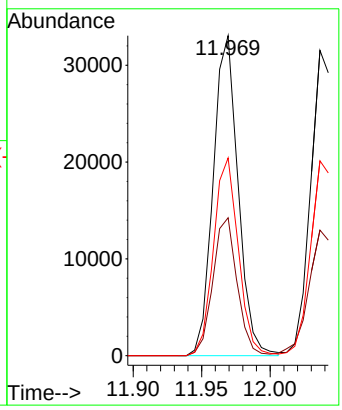


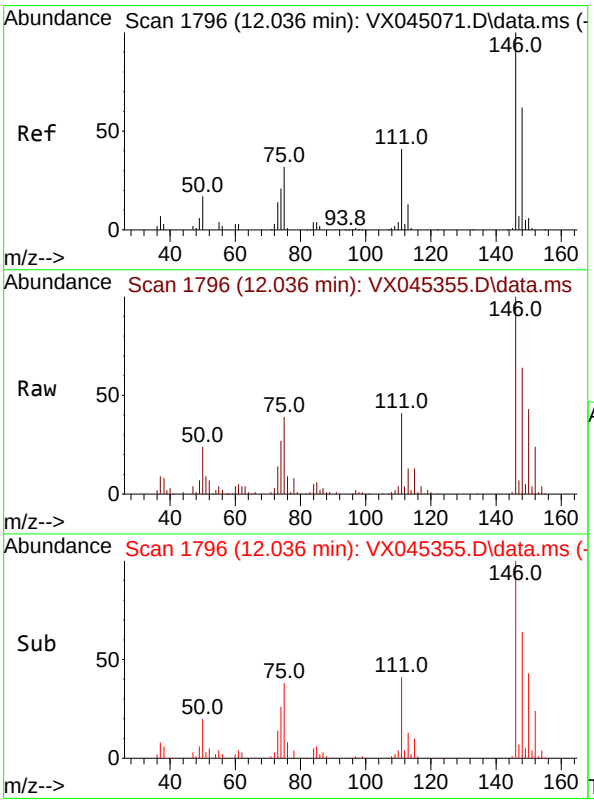
#87
1,3-Dichlorobenzene
Concen: 19.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:146 Resp: 41784

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	61.6	31.9	95.7

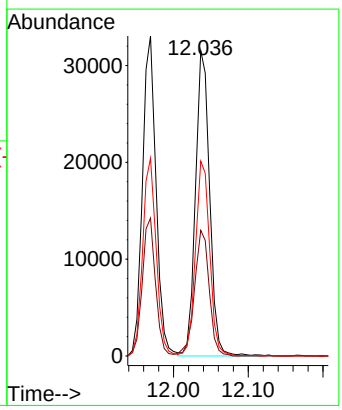


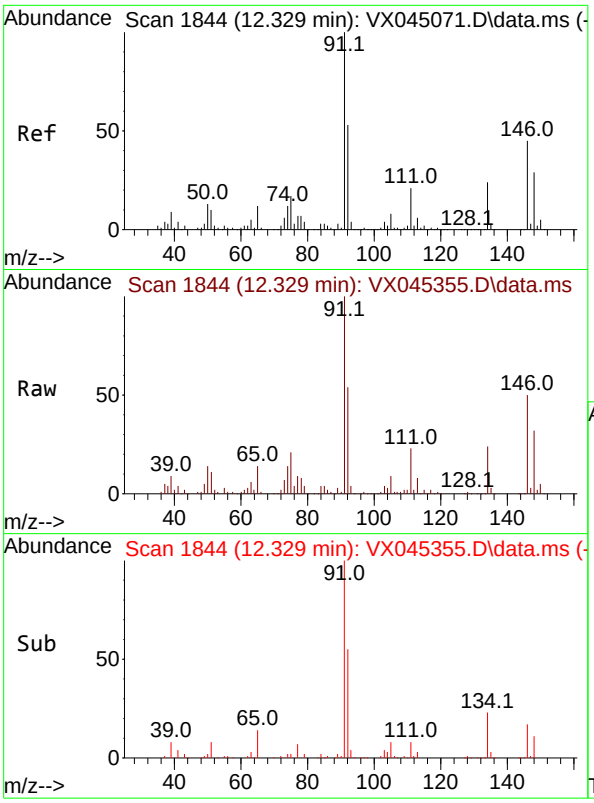


#88
1,4-Dichlorobenzene
Concen: 18.817 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:146 Resp: 41434

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.2	60.5
148	63.9	31.9	95.9



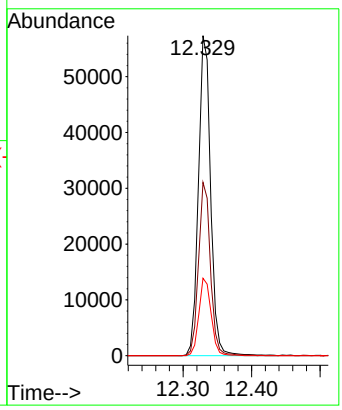


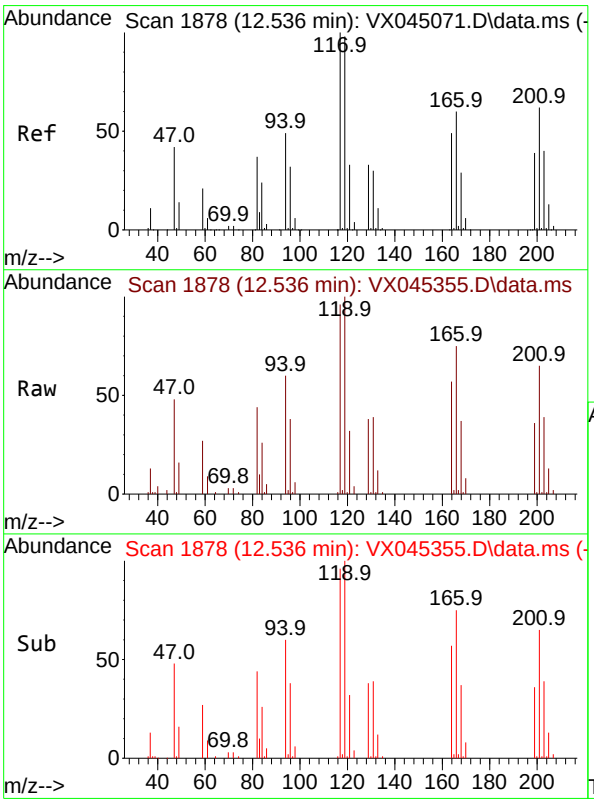
#89
n-Butylbenzene
Concen: 19.814 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion: 91 Resp: 70969

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	24.4	12.2	36.6

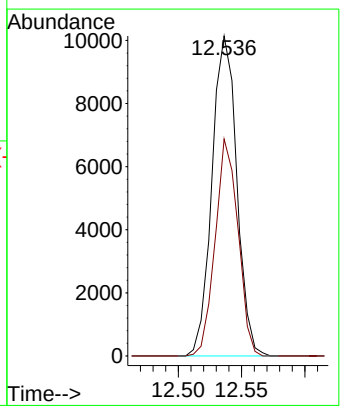


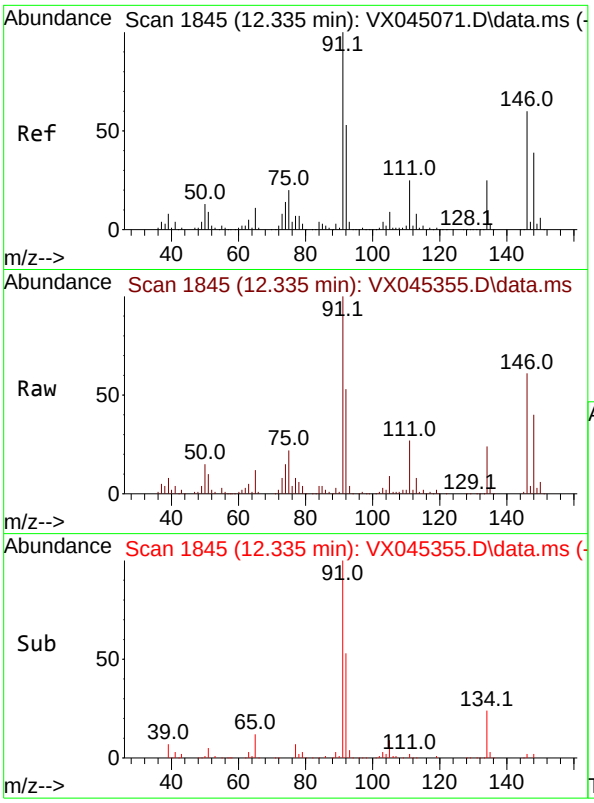


#90
Hexachloroethane
Concen: 18.401 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:117 Resp: 13841

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.9	95.9



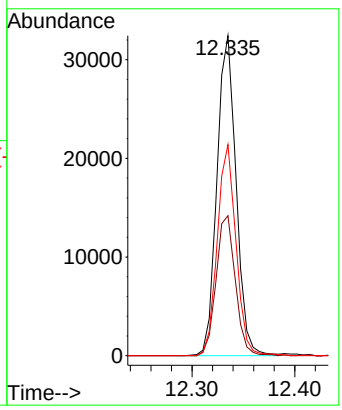


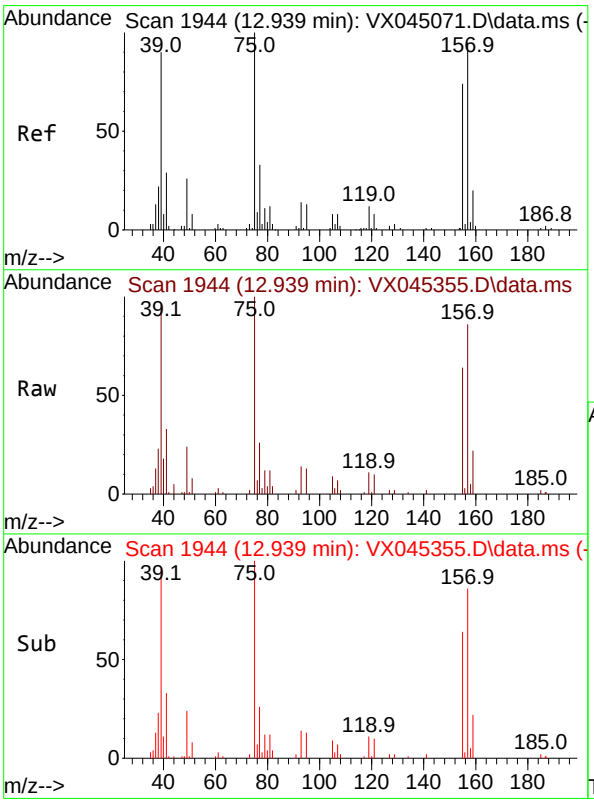
#91
1,2-Dichlorobenzene
Concen: 19.219 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:146 Resp: 41960

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	65.0
148	64.3	31.9	95.9

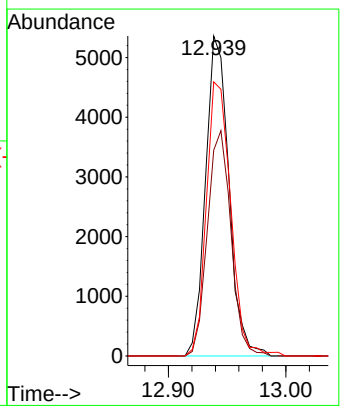


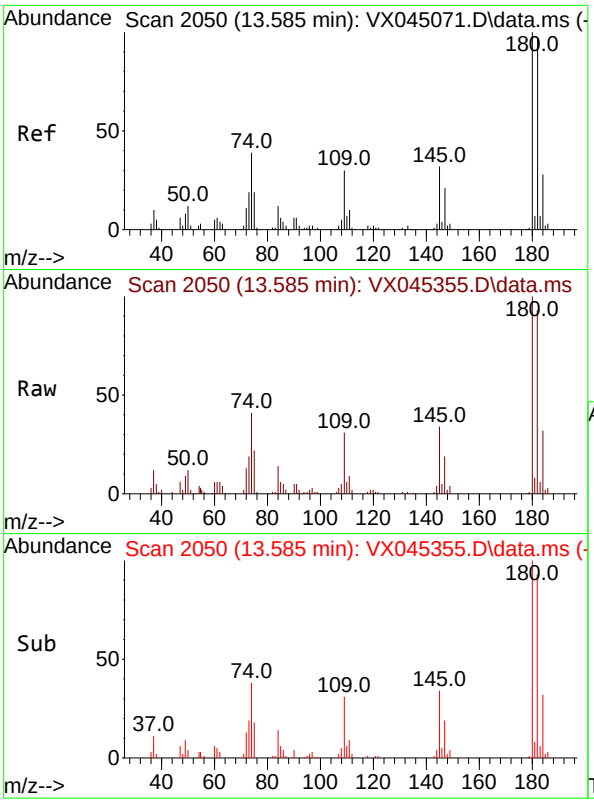


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.964 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion: 75 Resp: 7380

Ion	Ratio	Lower	Upper
75	100		
155	71.1	39.6	118.7
157	89.4	51.1	153.4



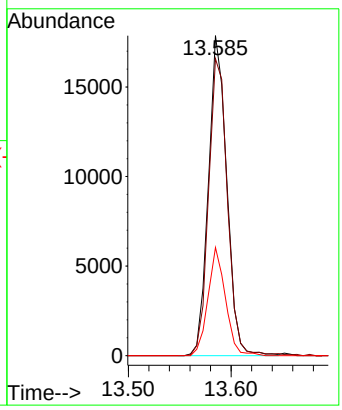


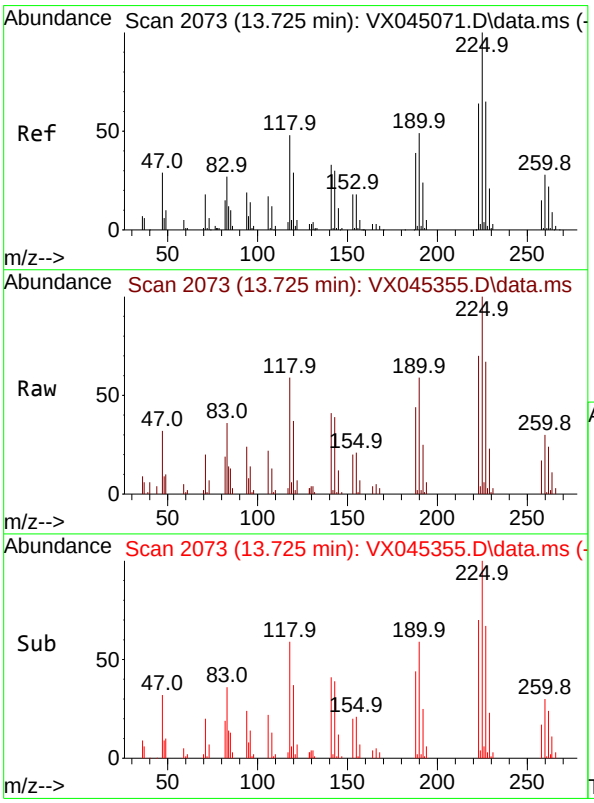
#93
1,2,4-Trichlorobenzene
Concen: 17.883 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:180 Resp: 22232

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.4	16.3	48.9

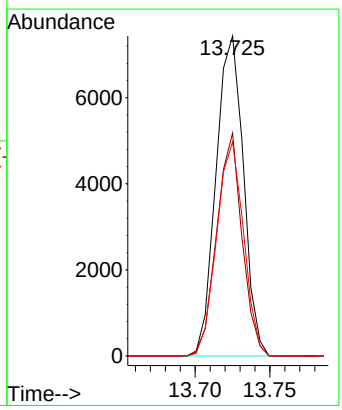


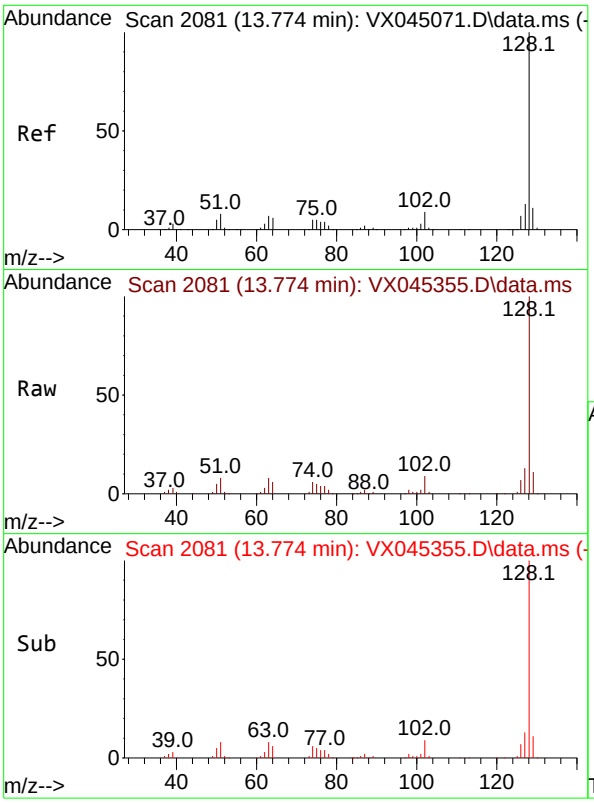


#94
Hexachlorobutadiene
Concen: 18.594 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:225 Resp: 9477

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	65.8	31.4	94.0



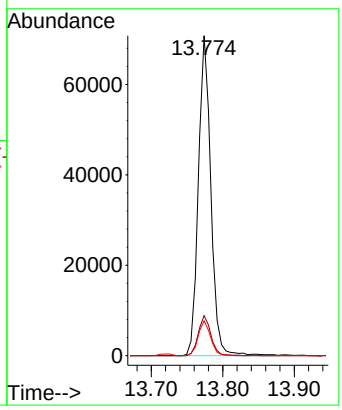


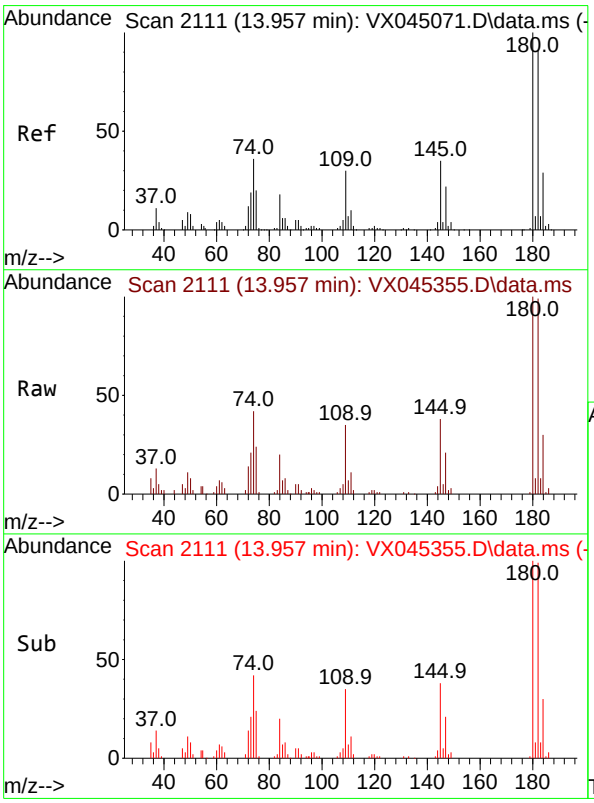
#95
Naphthalene
Concen: 17.927 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD01

Tgt Ion:128 Resp: 85625

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

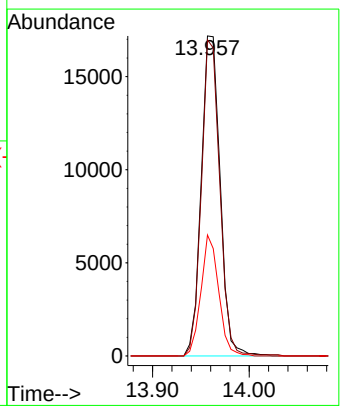




#96
1,2,3-Trichlorobenzene
Concen: 17.843 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045355.D
Acq: 20 Mar 2025 12:53

Tgt Ion:180 Resp: 23401

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70639	47.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.940%			
35) Dibromofluoromethane	5.379	113	52009	46.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.880%			
50) Toluene-d8	8.647	98	174390	43.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.820%			
62) 4-Bromofluorobenzene	11.079	95	61298	46.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	51086	43.383	ug/l	95
3) Chloromethane	1.307	50	56179	38.984	ug/l	96
4) Vinyl Chloride	1.374	62	55599	38.892	ug/l	97
5) Bromomethane	1.593	94	24213	43.085	ug/l	98
6) Chloroethane	1.660	64	29979	45.464	ug/l	96
7) Trichlorofluoromethane	1.868	101	84605	44.706	ug/l	98
8) Diethyl Ether	2.130	74	31439	42.472	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54397	50.031	ug/l	99
10) Methyl Iodide	2.441	142	66312	48.804	ug/l	95
11) Tert butyl alcohol	2.989	59	50967	180.827	ug/l	98
12) 1,1-Dichloroethene	2.307	96	52221	45.429	ug/l	94
13) Acrolein	2.239	56	70452	216.233	ug/l	99
14) Allyl chloride	2.654	41	100258	48.998	ug/l	94
15) Acrylonitrile	3.062	53	179013	236.977	ug/l	99
16) Acetone	2.386	43	160119	231.924	ug/l	96
17) Carbon Disulfide	2.502	76	105372	34.417	ug/l	96
18) Methyl Acetate	2.703	43	104891	63.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	186021	48.235	ug/l	98
20) Methylene Chloride	2.782	84	60998	44.603	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	53015	46.683	ug/l	96
22) Diisopropyl ether	3.764	45	205882	49.474	ug/l	98
23) Vinyl Acetate	3.721	43	843117	242.782	ug/l	98
24) 1,1-Dichloroethane	3.605	63	113207	48.541	ug/l	99
25) 2-Butanone	4.556	43	251226	241.746	ug/l	98
26) 2,2-Dichloropropane	4.471	77	67607	61.802	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	66766	47.626	ug/l	93
28) Bromochloromethane	4.891	49	53150	47.813	ug/l	98
29) Tetrahydrofuran	5.001	42	159365	228.354	ug/l	100
30) Chloroform	5.087	83	115671	49.916	ug/l	98
31) Cyclohexane	5.458	56	91710	45.300	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	93184	49.789	ug/l	97
36) 1,1-Dichloropropene	5.684	75	74230	48.847	ug/l	99
37) Ethyl Acetate	4.715	43	92331	47.152	ug/l	99
38) Carbon Tetrachloride	5.672	117	77143	50.002	ug/l	97
39) Methylcyclohexane	7.373	83	87986	48.320	ug/l	96
40) Benzene	6.031	78	229488	47.823	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	54907	51.857	ug/l		98
42) 1,2-Dichloroethane	6.080	62	92126	53.313	ug/l		97
43) Isopropyl Acetate	6.336	43	142927	49.361	ug/l		99
44) Trichloroethene	7.123	130	53184	47.200	ug/l		98
45) 1,2-Dichloropropane	7.428	63	58403	47.336	ug/l		99
46) Dibromomethane	7.574	93	44280	50.776	ug/l		96
47) Bromodichloromethane	7.818	83	87101	50.921	ug/l		97
48) Methyl methacrylate	7.690	41	73187	50.381	ug/l		95
49) 1,4-Dioxane	7.665	88	24510	799.865	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	491687	252.898	ug/l		99
52) Toluene	8.714	92	137136	48.708	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	71529	50.020	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	85027	50.990	ug/l	#	90
55) 1,1,2-Trichloroethane	9.147	97	56424	48.680	ug/l		98
56) Ethyl methacrylate	9.116	69	87573	49.705	ug/l		93
57) 1,3-Dichloropropane	9.305	76	96608	48.163	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	230541	268.242	ug/l		99
59) 2-Hexanone	9.427	43	358998	254.850	ug/l		98
60) Dibromochloromethane	9.519	129	59803	49.346	ug/l		100
61) 1,2-Dibromoethane	9.604	107	56084	48.470	ug/l		98
64) Tetrachloroethene	9.269	164	45283	51.351	ug/l		98
65) Chlorobenzene	10.079	112	144993	49.767	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	49330	50.843	ug/l		97
67) Ethyl Benzene	10.189	91	259715	51.160	ug/l		99
68) m/p-Xylenes	10.299	106	186973	100.611	ug/l		95
69) o-Xylene	10.640	106	93311	49.785	ug/l		97
70) Styrene	10.653	104	156285	51.533	ug/l		97
71) Bromoform	10.799	173	37320	51.008	ug/l	#	98
73) Isopropylbenzene	10.957	105	247227	49.801	ug/l		99
74) N-amyl acetate	10.842	43	118224	50.753	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	88014	48.314	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	91150	61.575	ug/l		85
77) Bromobenzene	11.195	156	55127	47.066	ug/l		96
78) n-propylbenzene	11.299	91	284120	50.665	ug/l		98
79) 2-Chlorotoluene	11.360	91	172470	48.292	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	200325	49.907	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	20719	47.898	ug/l		87
82) 4-Chlorotoluene	11.451	91	195160	50.140	ug/l		99
83) tert-Butylbenzene	11.713	119	202061	48.993	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	201914	49.993	ug/l		99
85) sec-Butylbenzene	11.890	105	252116	51.032	ug/l		99
86) p-Isopropyltoluene	12.006	119	207118	51.877	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	101952	48.793	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	100604	47.591	ug/l		99
89) n-Butylbenzene	12.329	91	185400	53.917	ug/l		99
90) Hexachloroethane	12.536	117	34950	48.398	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	102736	49.014	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18163	51.178	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	60246	50.478	ug/l		99
94) Hexachlorobutadiene	13.725	225	24590	50.254	ug/l		100
95) Naphthalene	13.774	128	229260	49.996	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62054	49.285	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

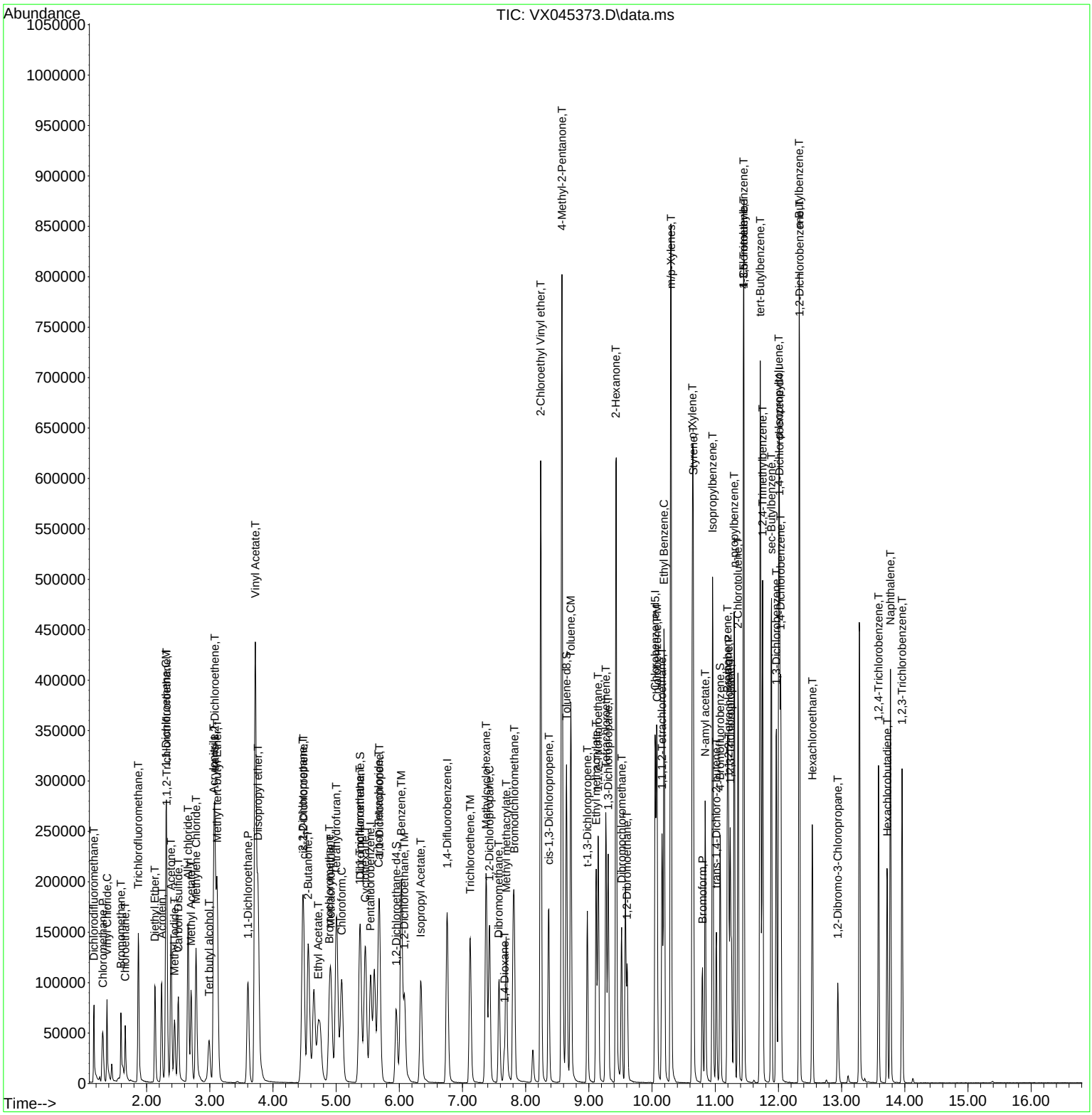
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

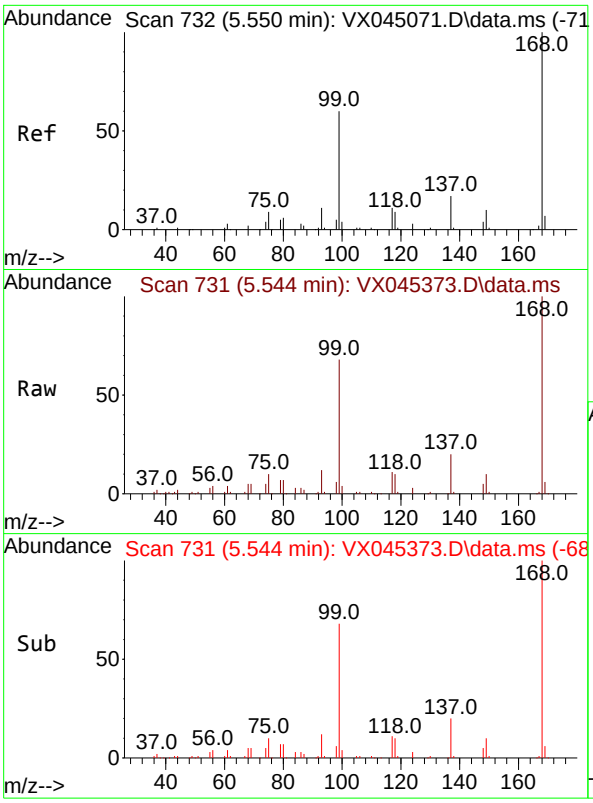
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
Data File : VX045373.D
Acq On : 20 Mar 2025 19:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 21 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



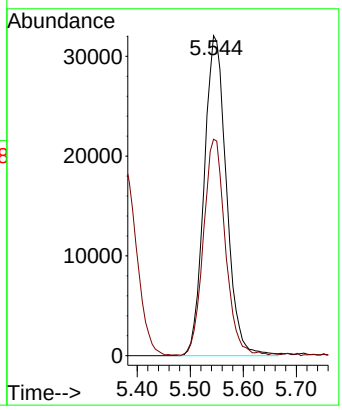


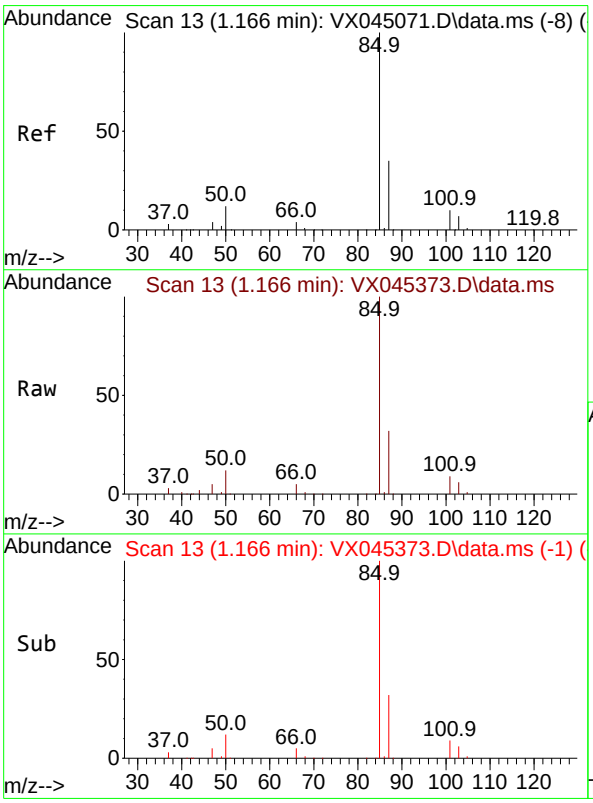
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 93548

Ion	Ratio	Lower	Upper
168	100		
99	67.4	48.2	72.4

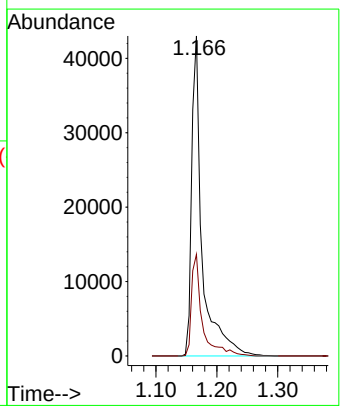


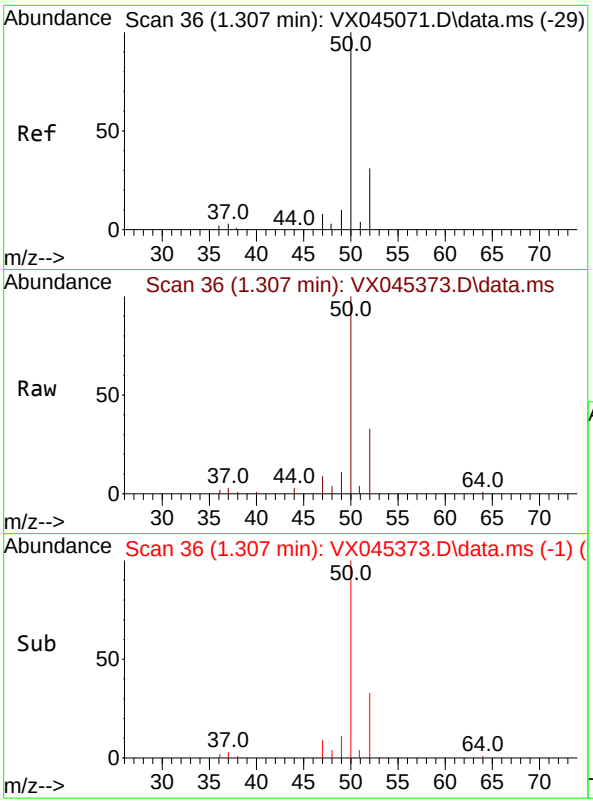


#2
Dichlorodifluoromethane
Concen: 43.383 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 85 Resp: 51086

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



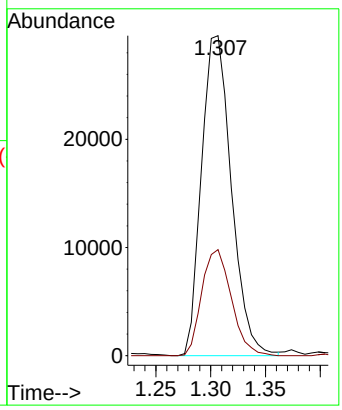


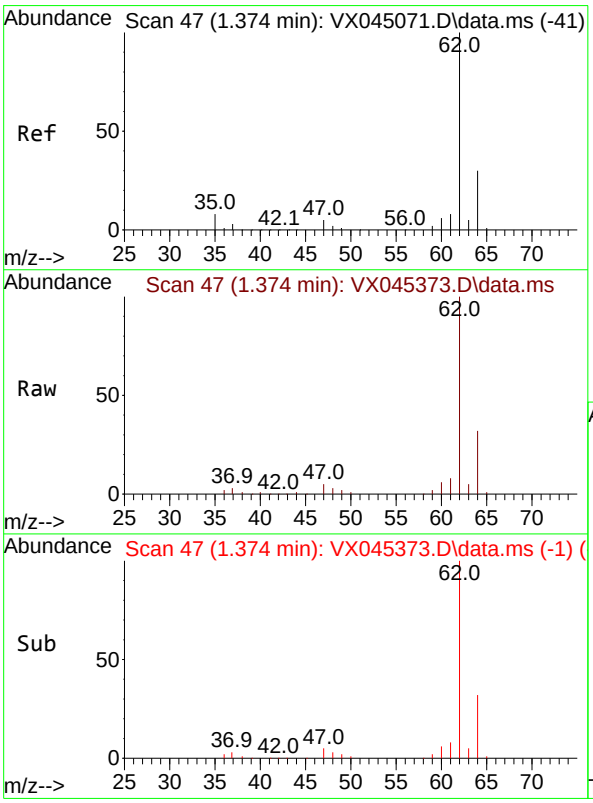
#3
Chloromethane
Concen: 38.984 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 56179

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4

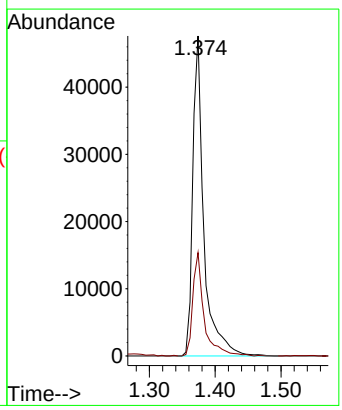


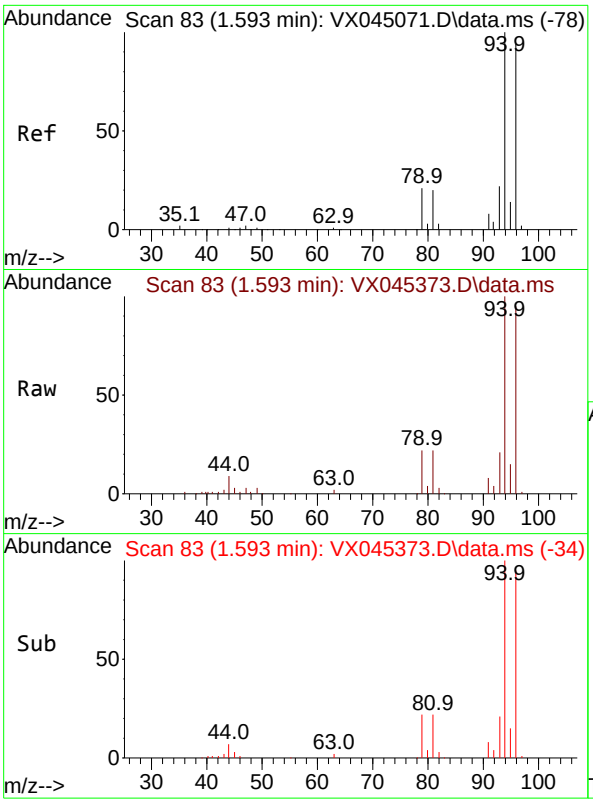


#4
Vinyl Chloride
Concen: 38.892 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 55599

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.3	36.5



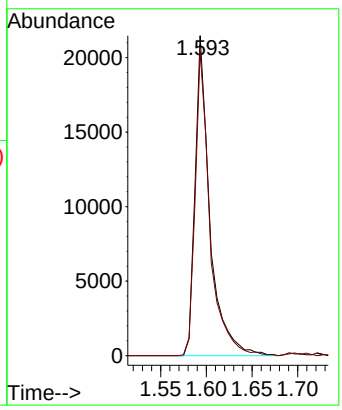


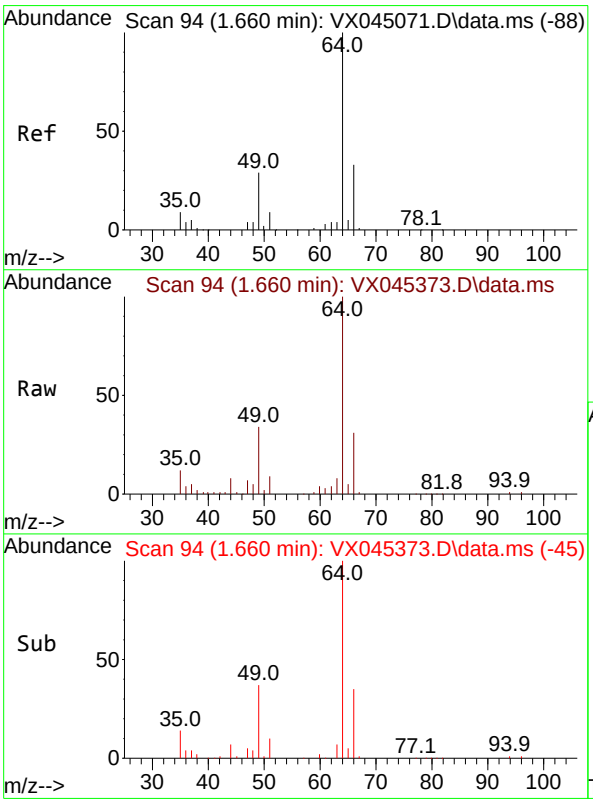
#5
Bromomethane
Concen: 43.085 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 24213

Ion	Ratio	Lower	Upper
94	100		
96	95.2	75.0	112.4

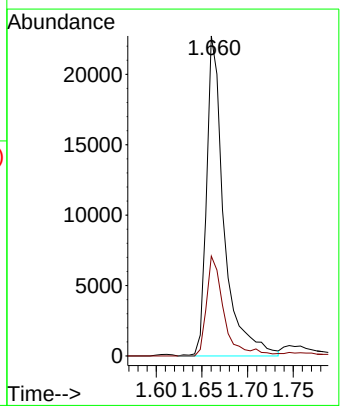


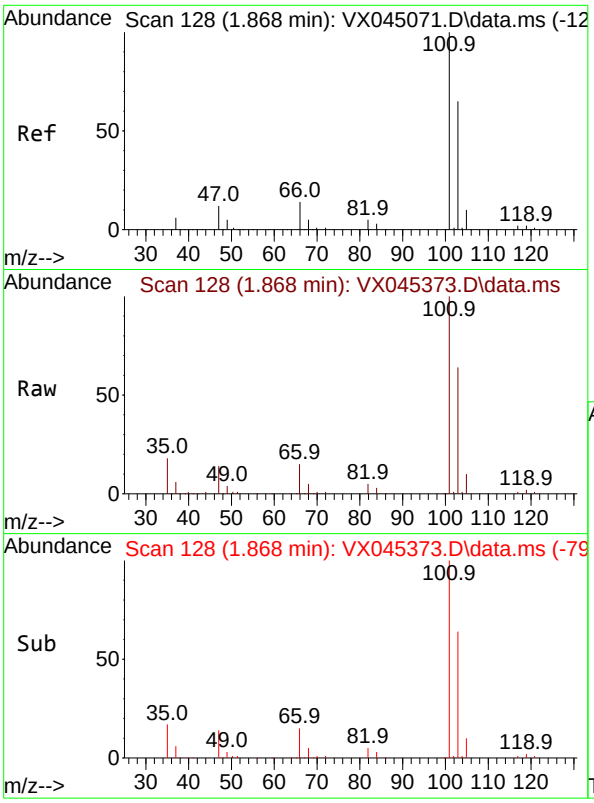


#6
Chloroethane
Concen: 45.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 64 Resp: 29979

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.7	40.1



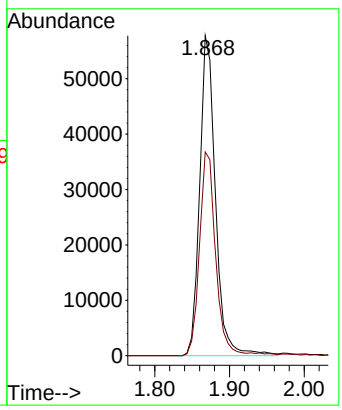


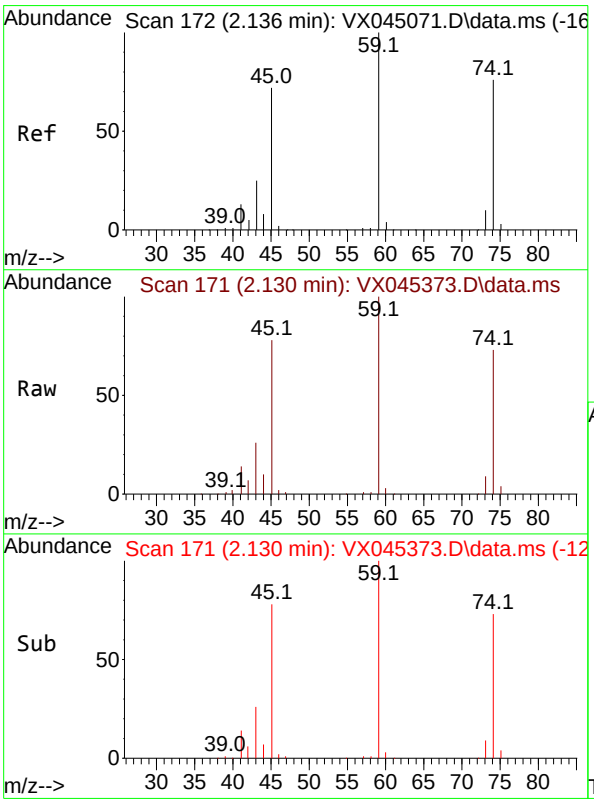
#7
Trichlorofluoromethane
Concen: 44.706 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 84605

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.1	78.1

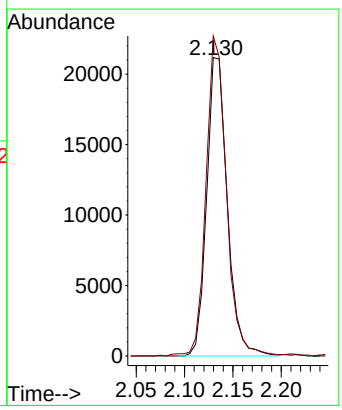


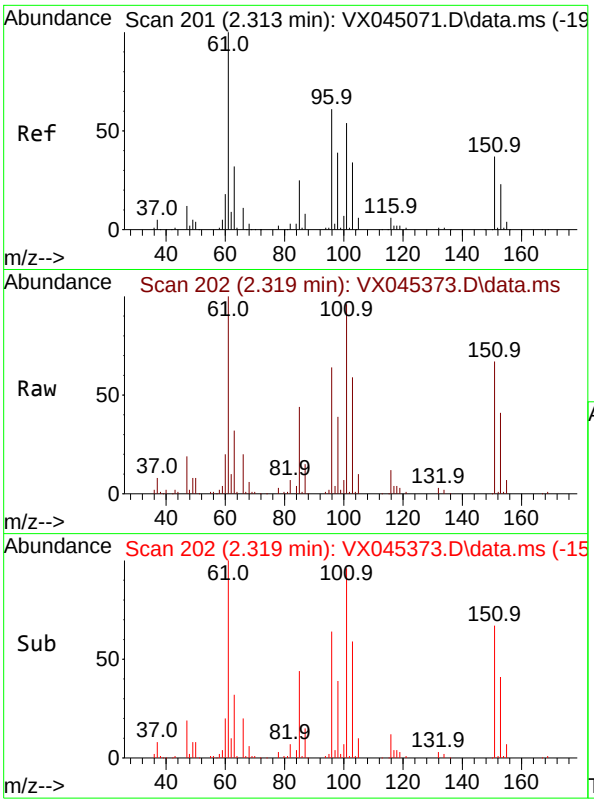


#8
Diethyl Ether
Concen: 42.472 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 74 Resp: 31439

Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.5	154.5



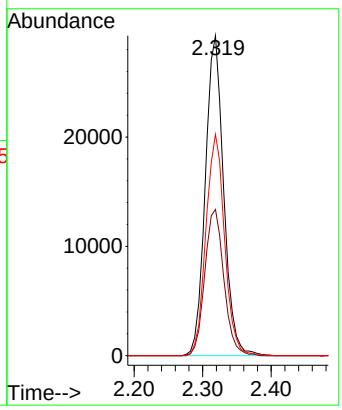


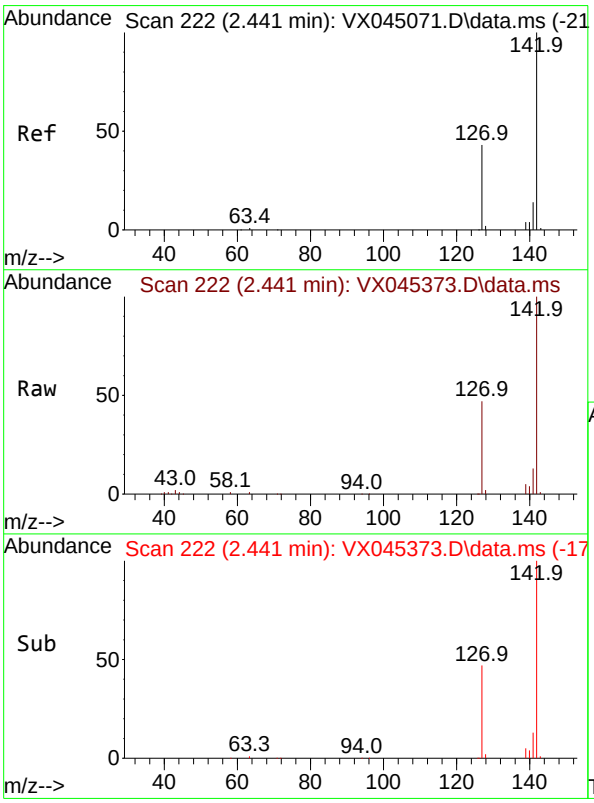
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.031 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 54397

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	70.5	56.4	84.6

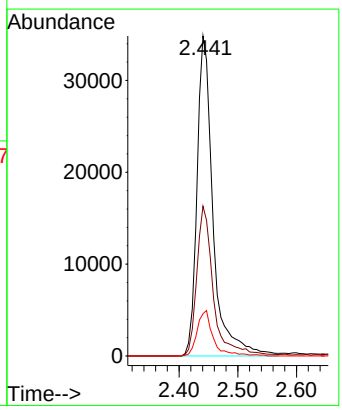


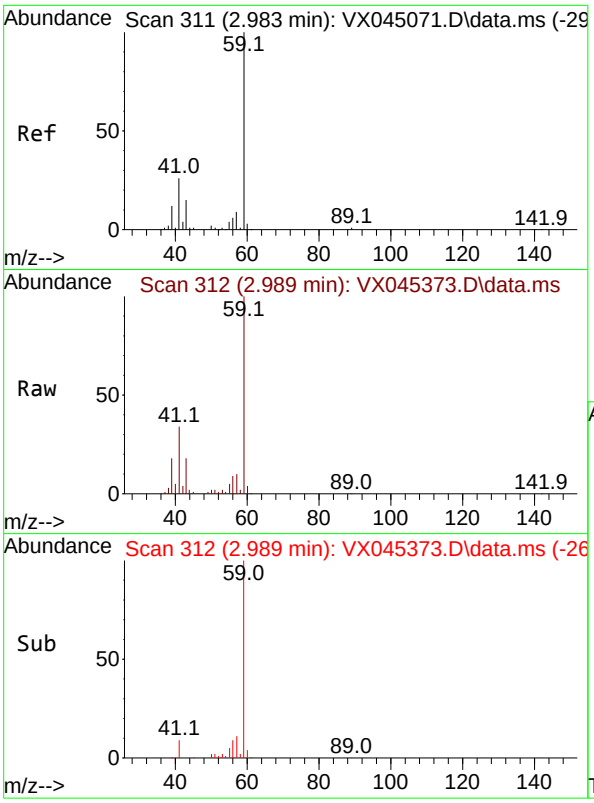


#10
Methyl Iodide
Concen: 48.804 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:142 Resp: 66312

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.2	11.6	17.4



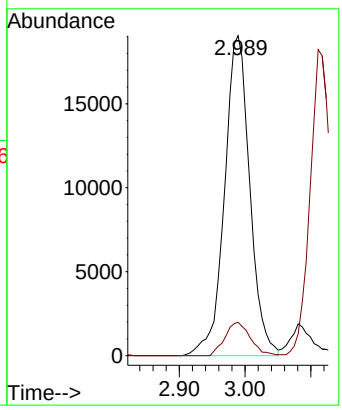


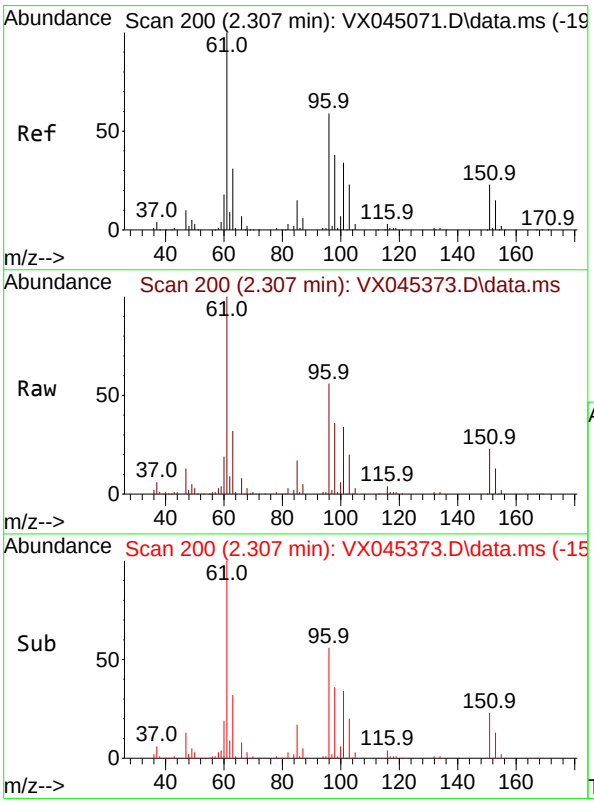
#11
Tert butyl alcohol
Concen: 180.827 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 50967

Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.8

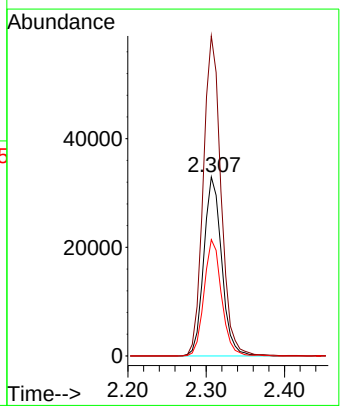


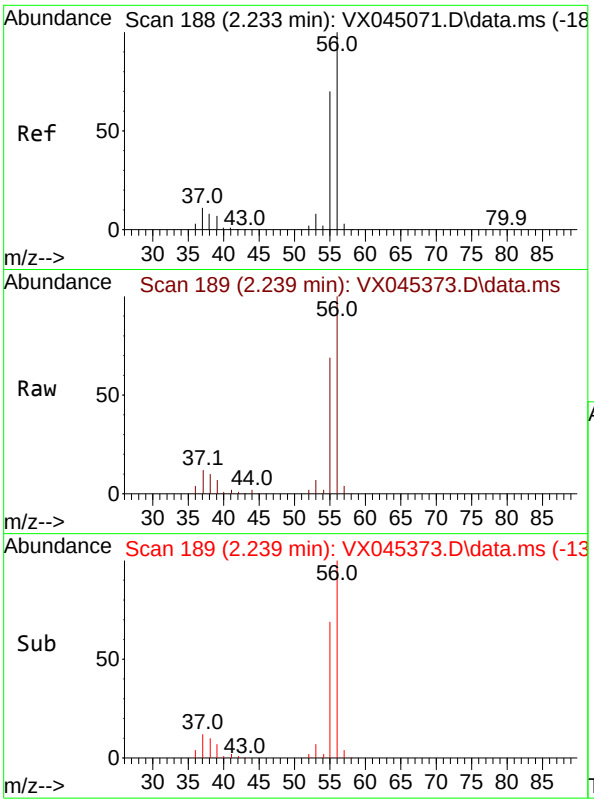


#12
1,1-Dichloroethene
Concen: 45.429 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 96 Resp: 52221

Ion	Ratio	Lower	Upper
96	100		
61	178.8	134.6	202.0
98	65.0	51.0	76.6



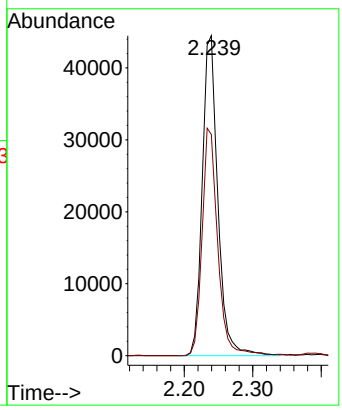


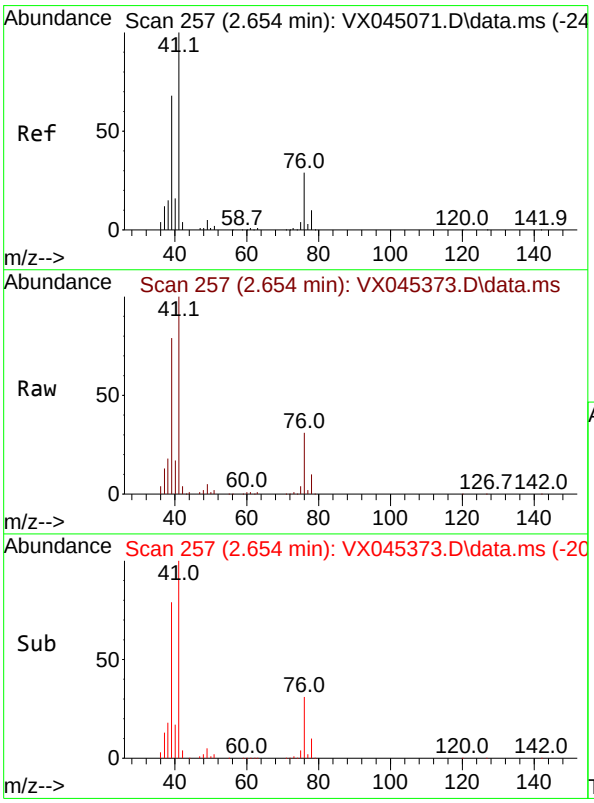
#13
Acrolein
Concen: 216.233 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 70452

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.4

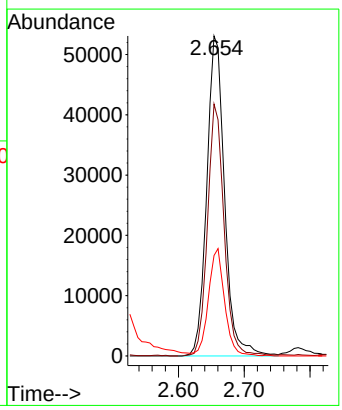


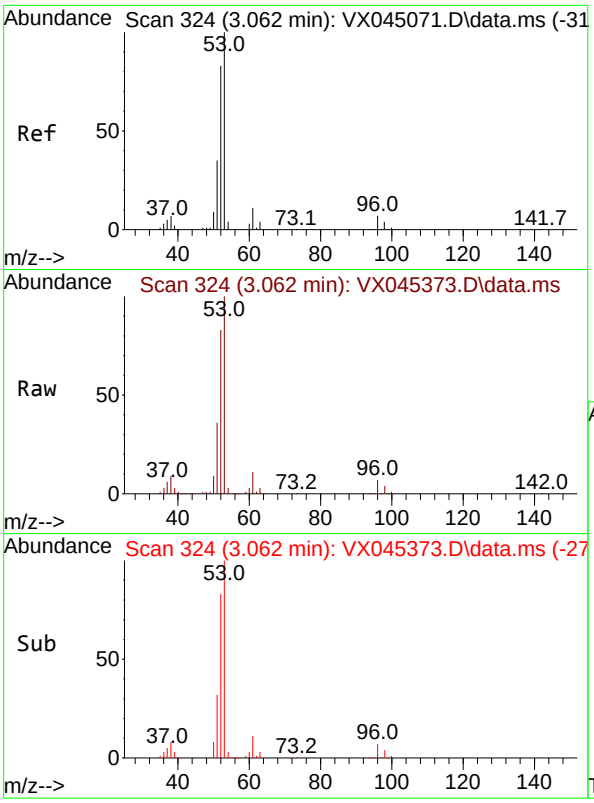


#14
Allyl chloride
Concen: 48.998 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 100258

Ion	Ratio	Lower	Upper
41	100		
39	73.0	53.8	80.8
76	30.3	25.2	37.8



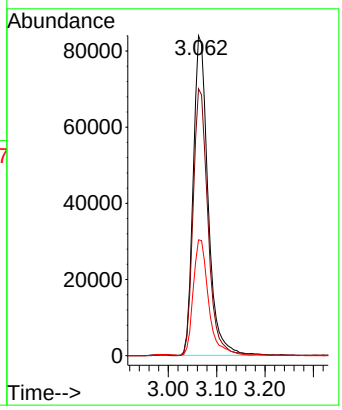


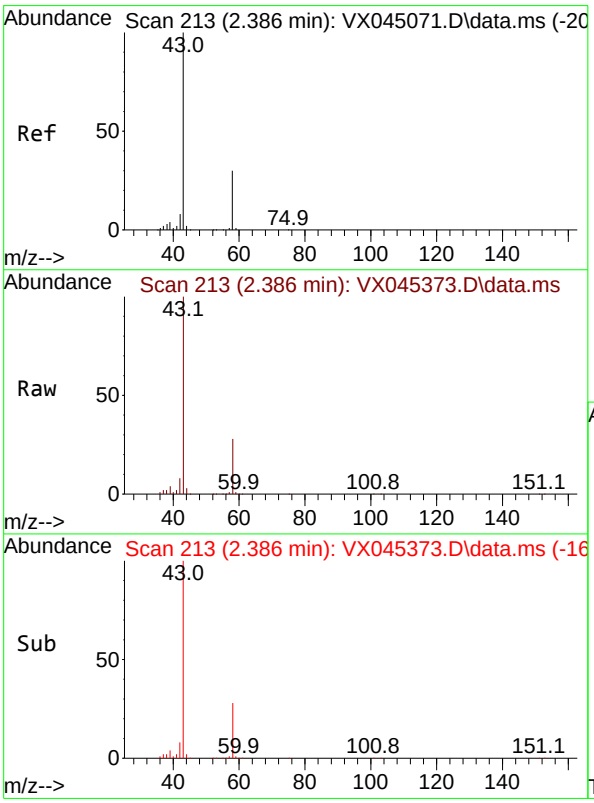
#15
Acrylonitrile
Concen: 236.977 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 179013

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.2	29.0	43.4

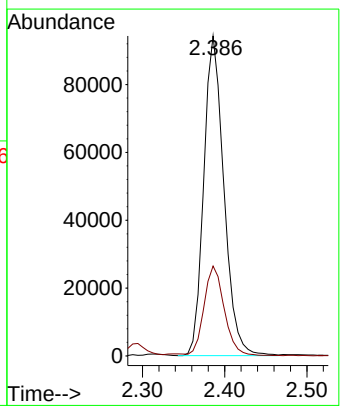


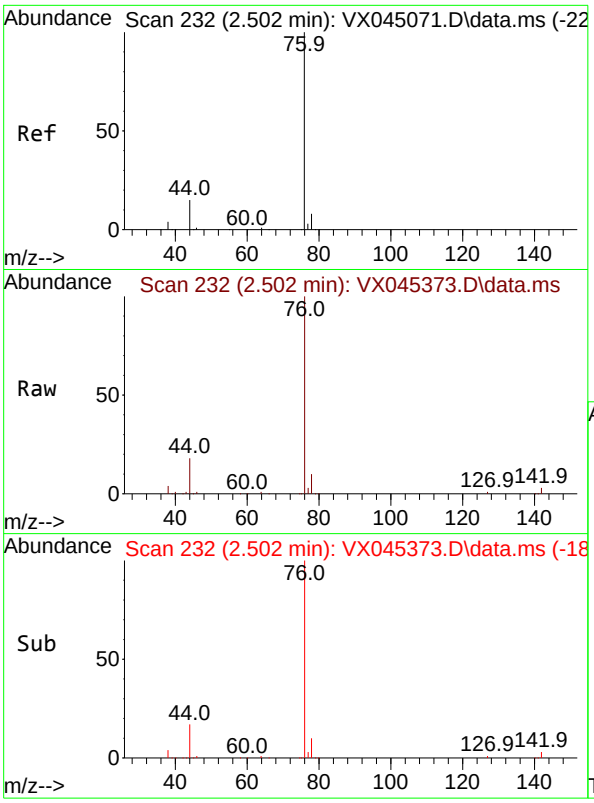


#16
Acetone
Concen: 231.924 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 160119

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.2	36.4



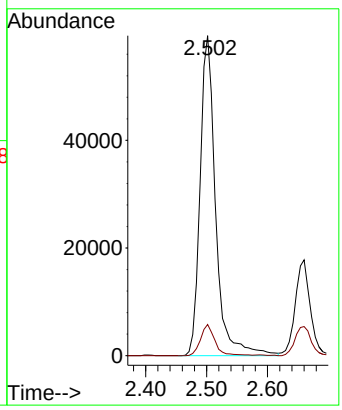


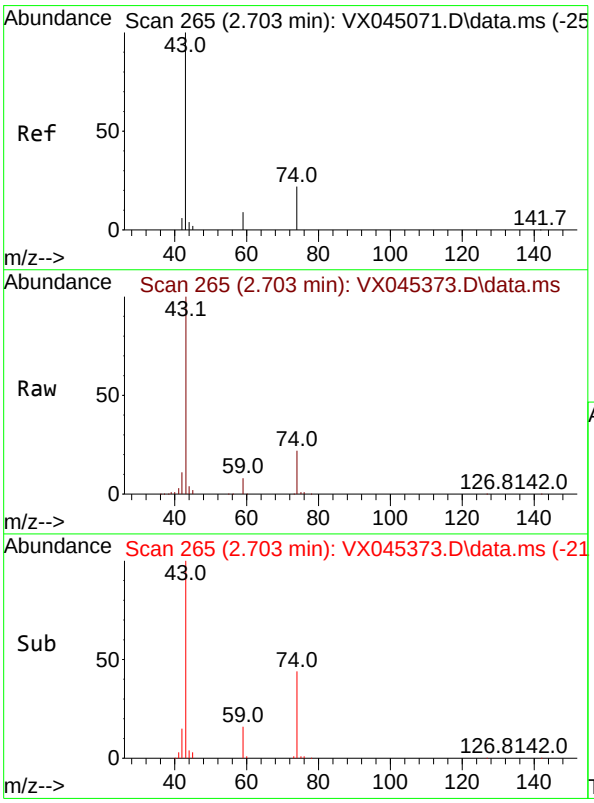
#17
Carbon Disulfide
Concen: 34.417 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 105372

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	9.8

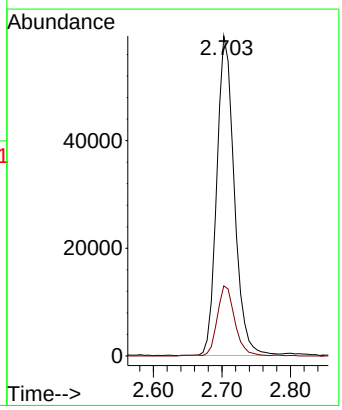


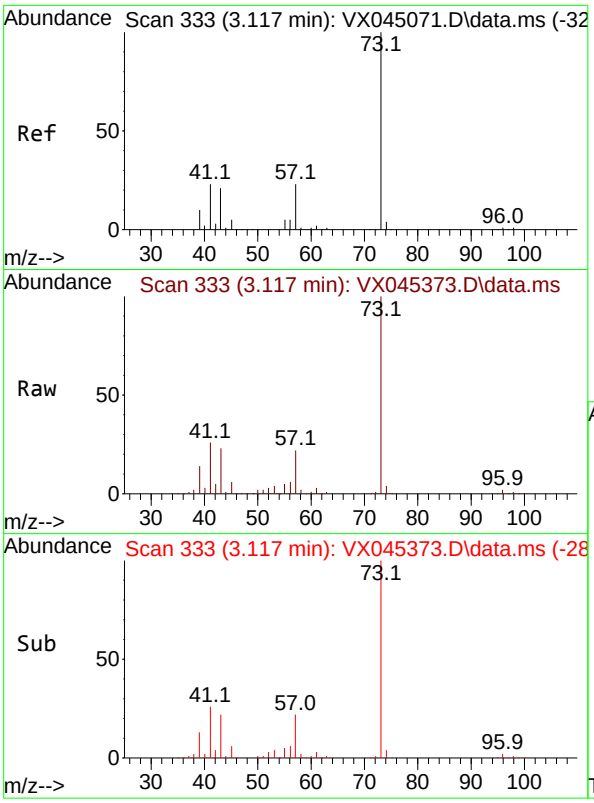


#18
Methyl Acetate
Concen: 63.154 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 104891

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



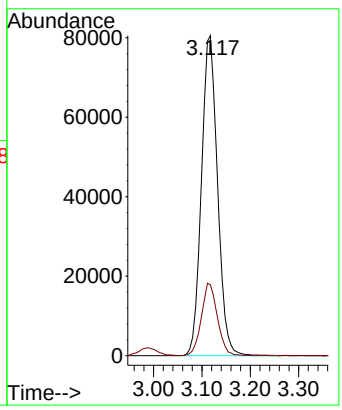


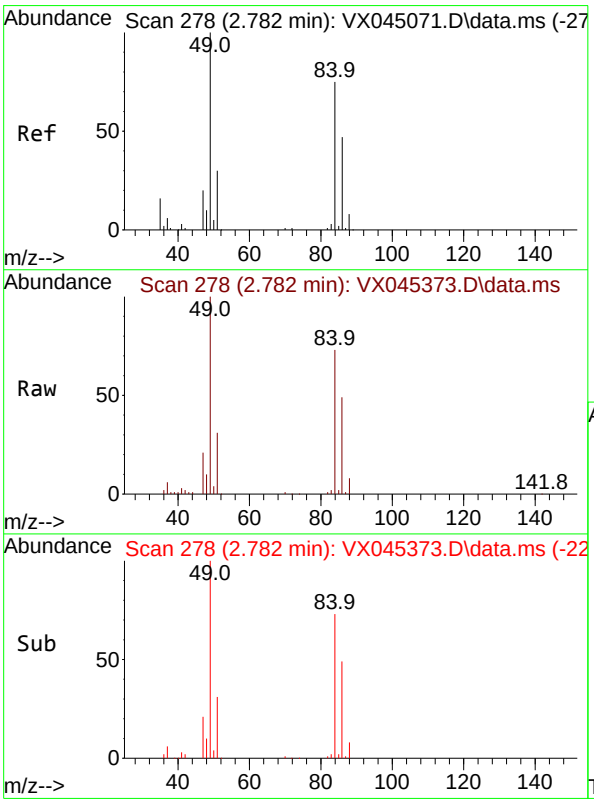
#19
Methyl tert-butyl Ether
Concen: 48.235 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 186021

Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7

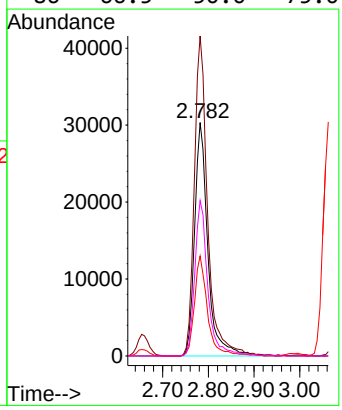


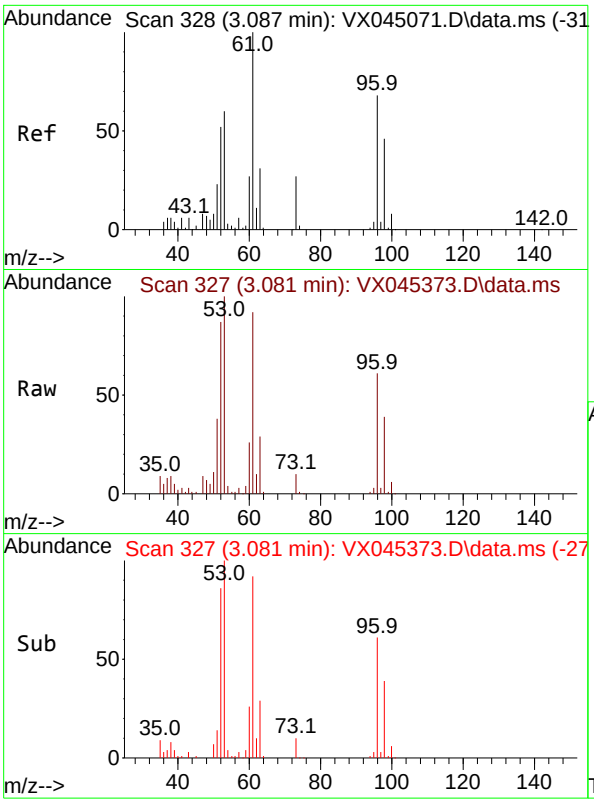


#20
Methylene Chloride
Concen: 44.603 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 84 Resp: 60998

Ion	Ratio	Lower	Upper
84	100		
49	137.1	106.5	159.7
51	42.8	32.1	48.1
86	66.5	50.0	75.0



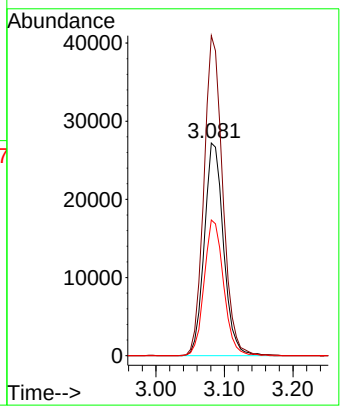


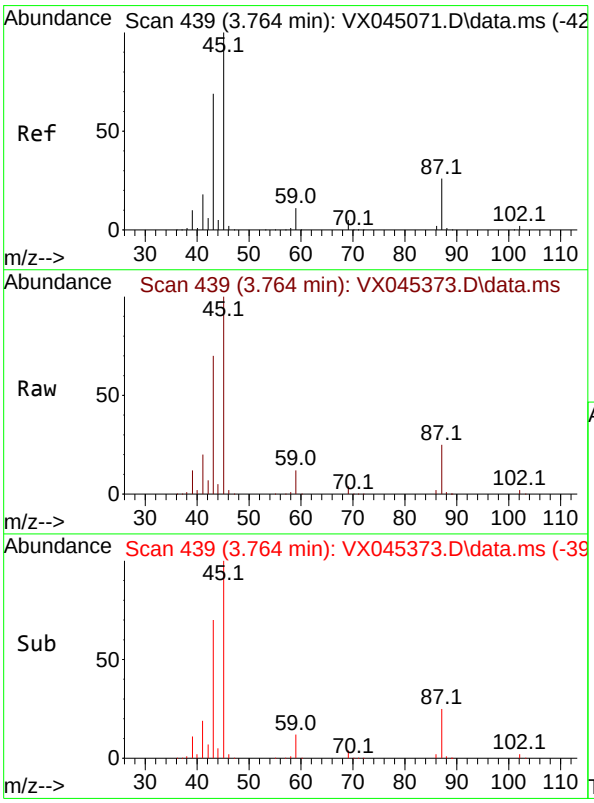
#21
trans-1,2-Dichloroethene
Concen: 46.683 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 53015

Ion	Ratio	Lower	Upper
96	100		
61	150.5	117.0	175.4
98	63.8	53.4	80.2

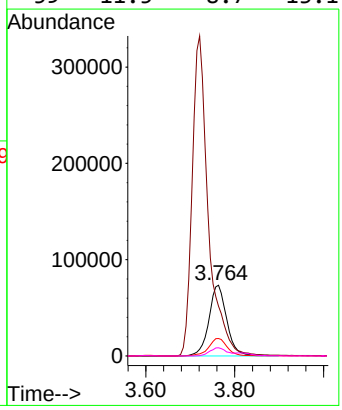


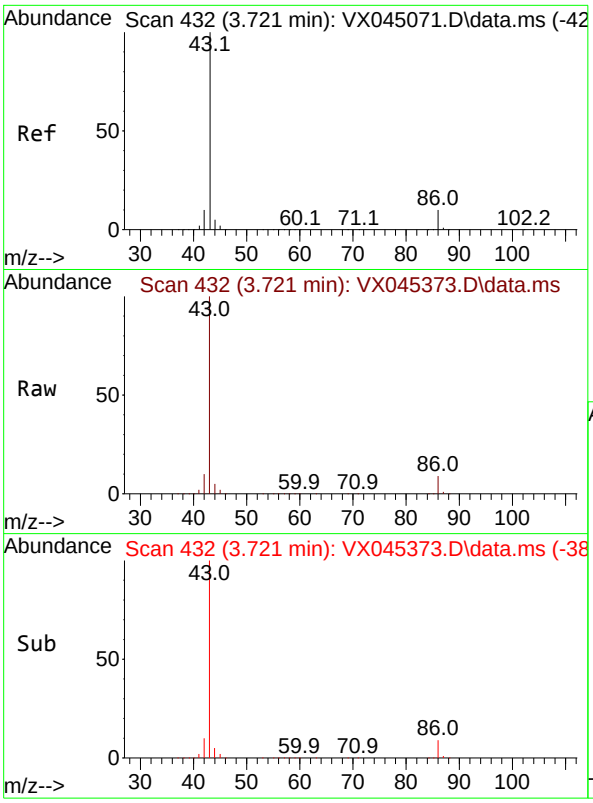


#22
Diisopropyl ether
Concen: 49.474 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 45 Resp: 205882

Ion	Ratio	Lower	Upper
45	100		
43	70.2	54.9	82.3
87	24.8	21.0	31.4
59	11.5	8.7	13.1



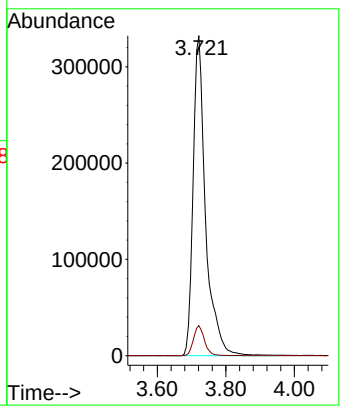


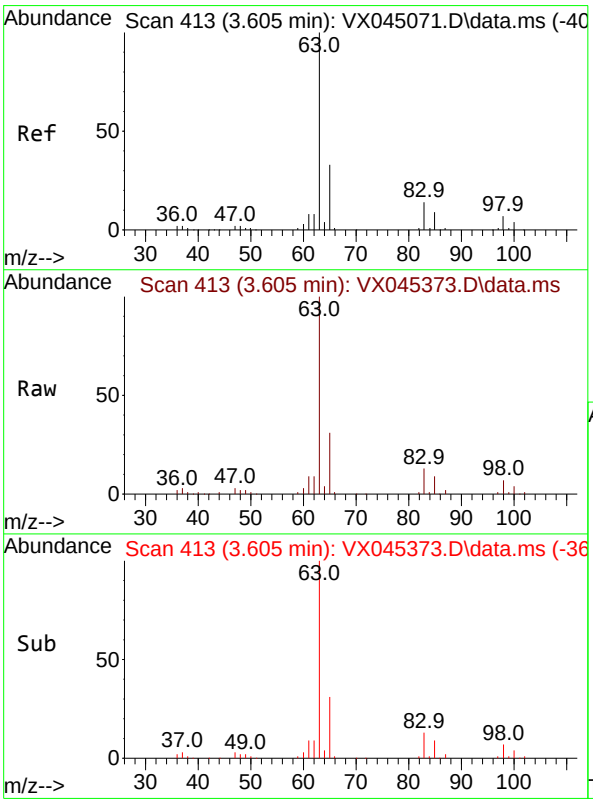
#23
Vinyl Acetate
Concen: 242.782 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 843117

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.1	12.1

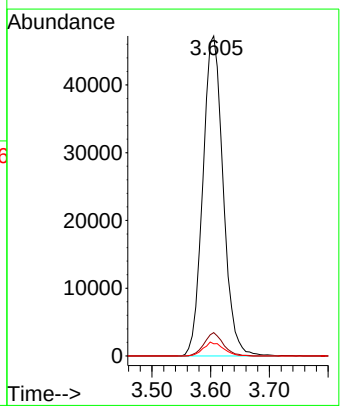


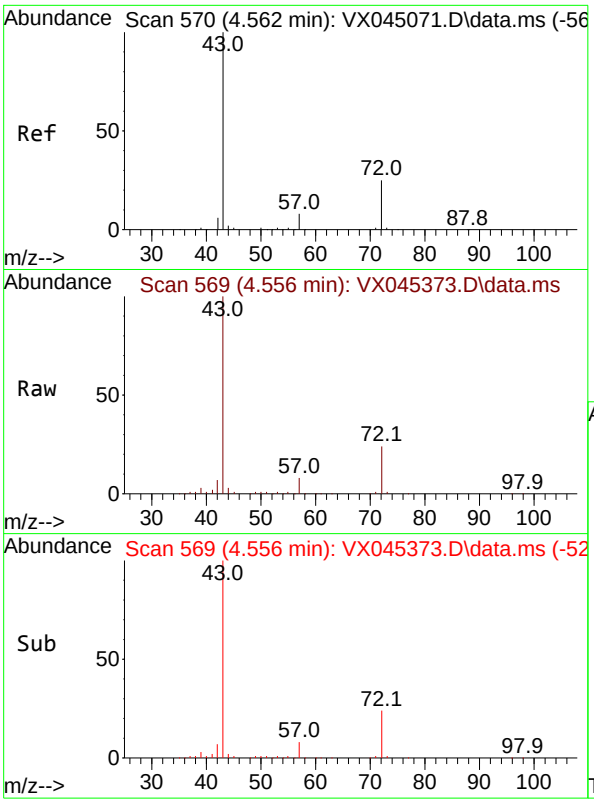


#24
1,1-Dichloroethane
Concen: 48.541 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 113207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5



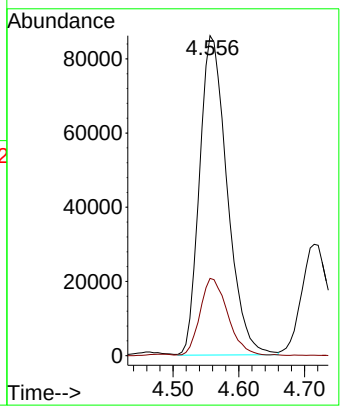


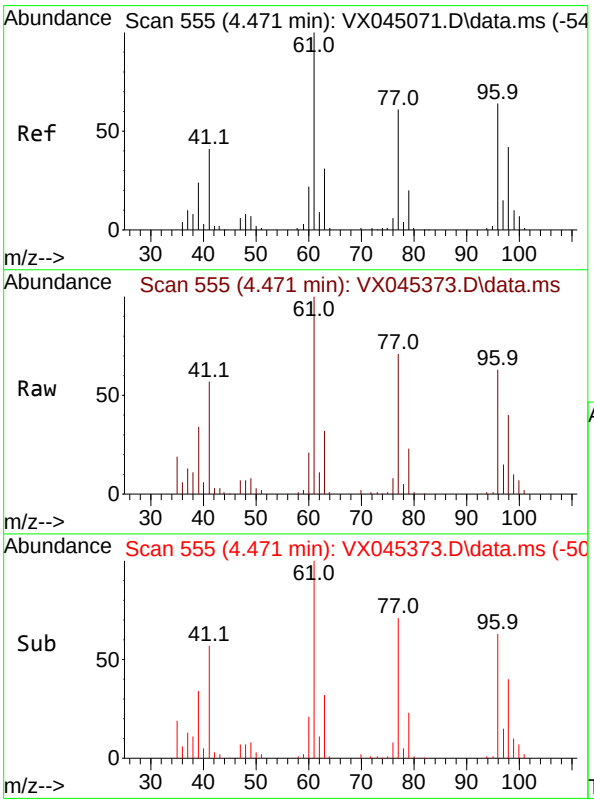
#25
2-Butanone
Concen: 241.746 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 251226

Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0

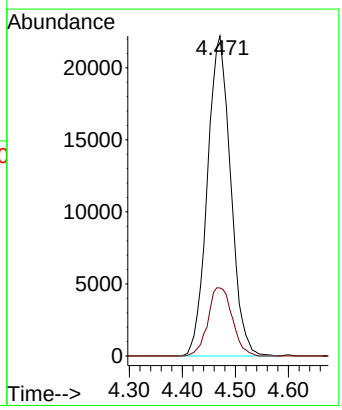


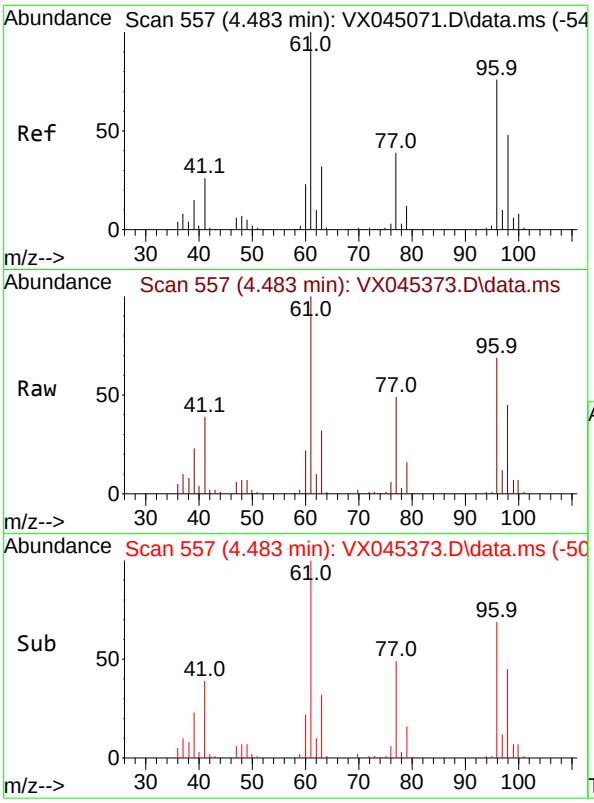


#26
2,2-Dichloropropane
Concen: 61.802 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 77 Resp: 67607

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



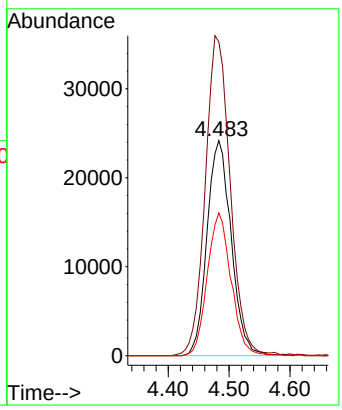


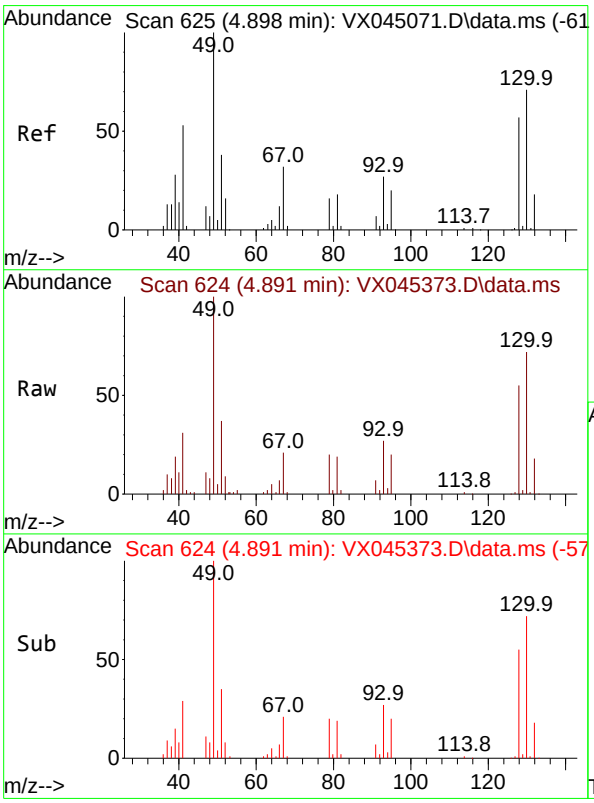
#27
cis-1,2-Dichloroethene
Concen: 47.626 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 66766

Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	283.2
98	65.2	0.0	128.0

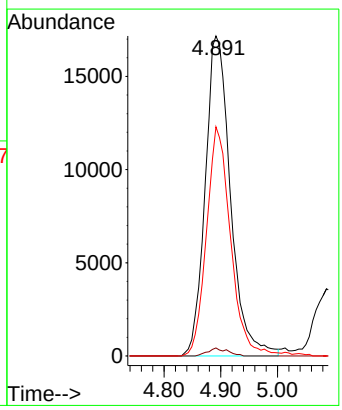


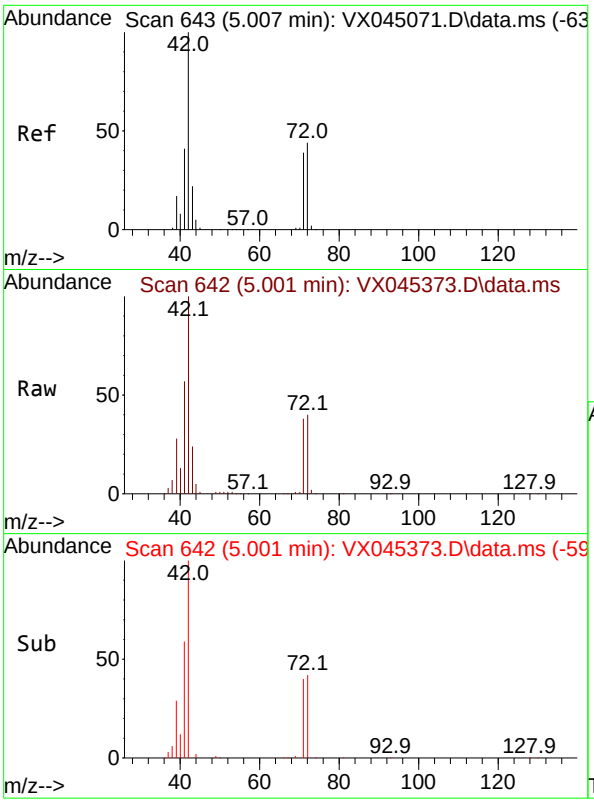


#28
Bromochloromethane
Concen: 47.813 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 49 Resp: 53150

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	68.2	56.1	84.1



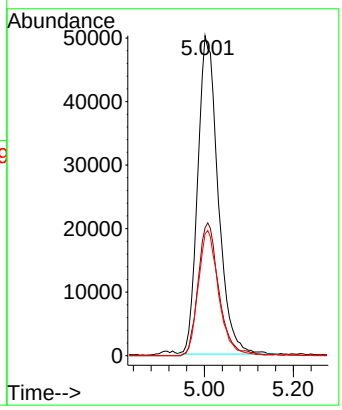


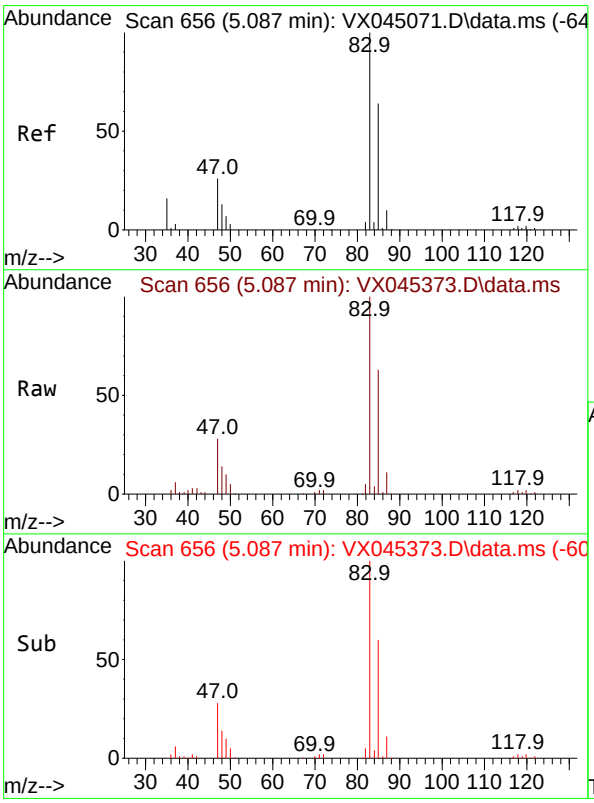
#29
Tetrahydrofuran
Concen: 228.354 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 159365

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.1	51.1
71	39.5	31.4	47.0

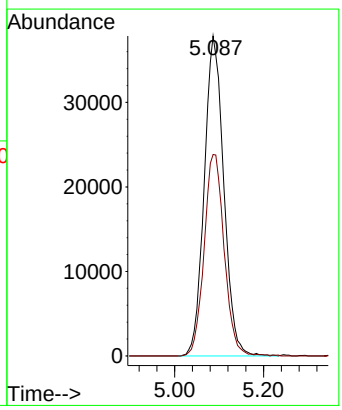


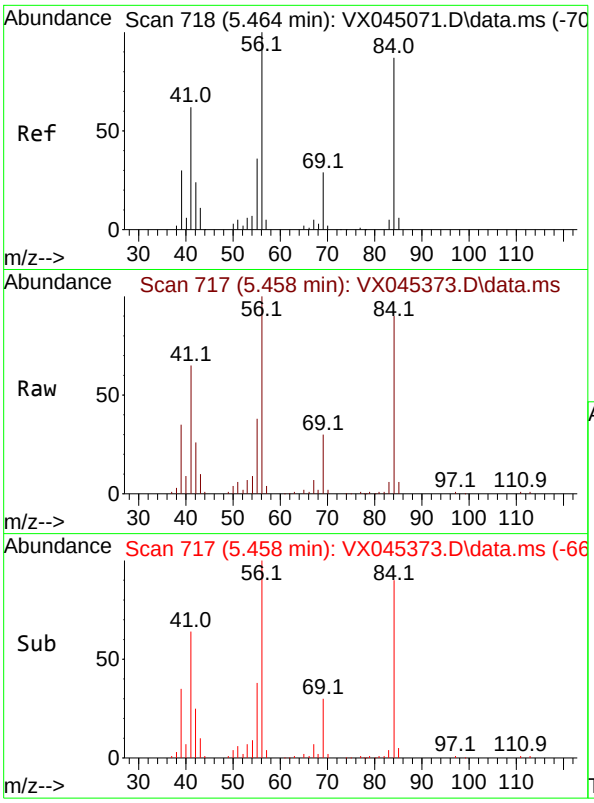


#30
Chloroform
Concen: 49.916 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 83 Resp: 115671

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2



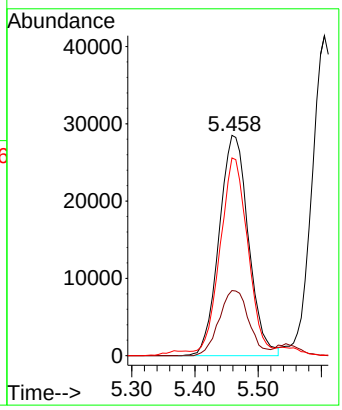


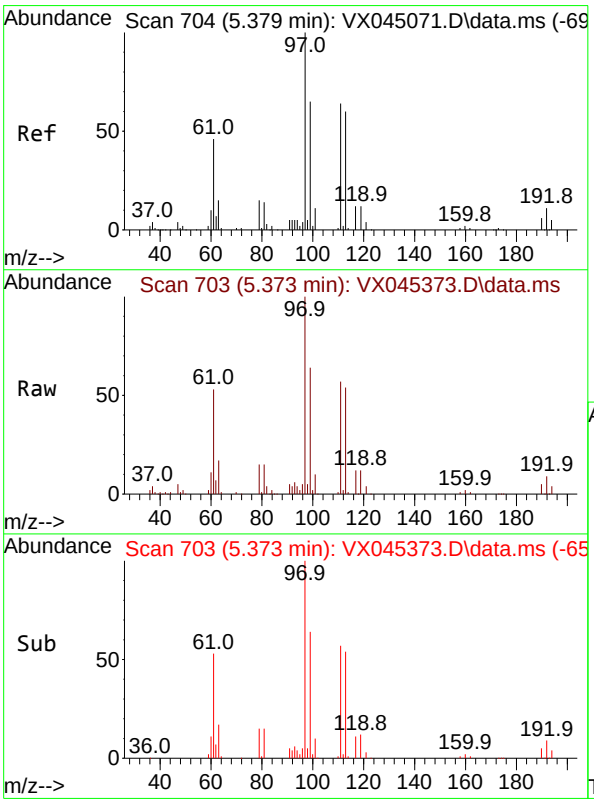
#31
Cyclohexane
Concen: 45.300 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 91710

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.4	35.2
84	87.8	69.4	104.2

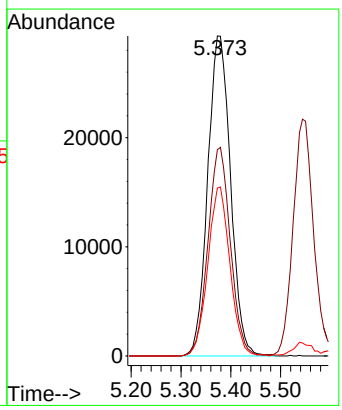


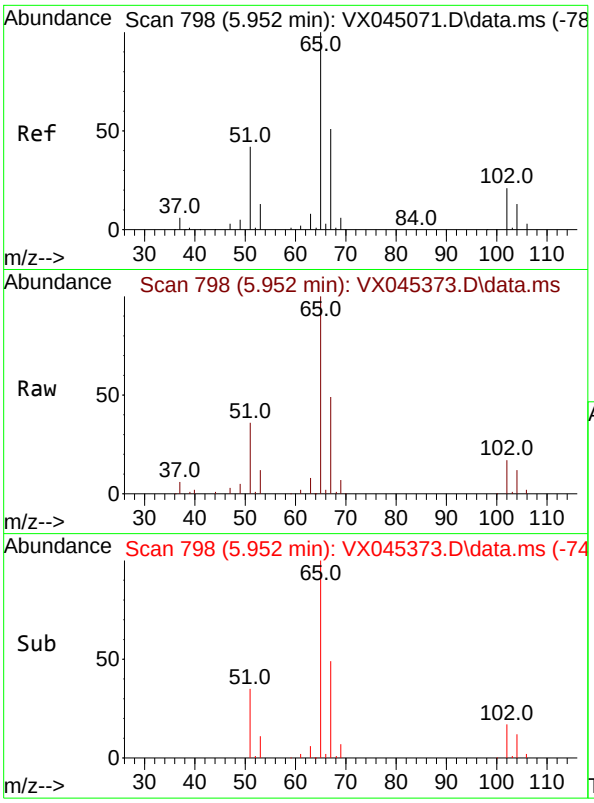


#32
1,1,1-Trichloroethane
Concen: 49.789 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 97 Resp: 93184

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	51.5	38.4	57.6



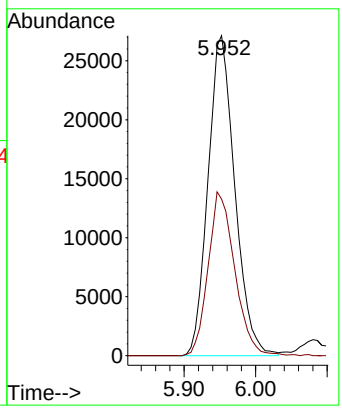


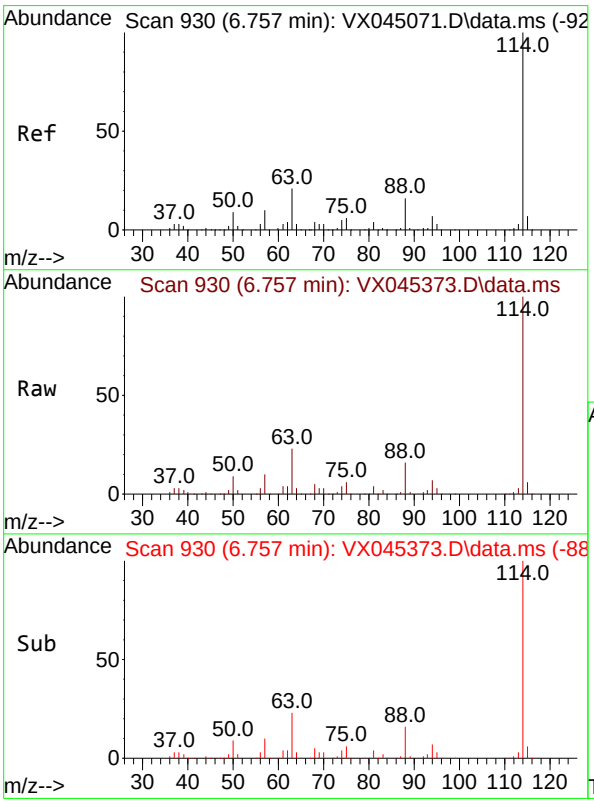
#33
1,2-Dichloroethane-d4
Concen: 47.472 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 70639

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

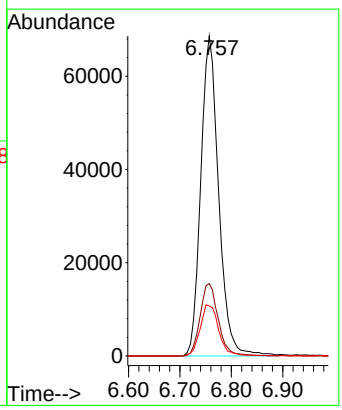


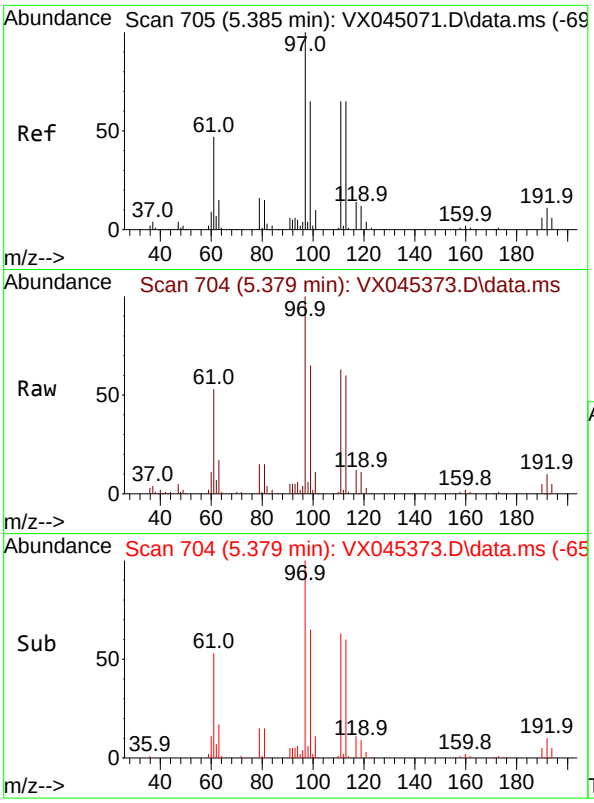


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:114 Resp: 165716

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	15.7	0.0	32.8



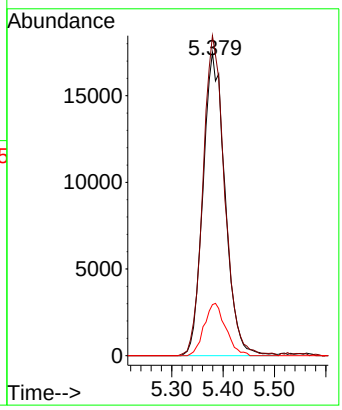


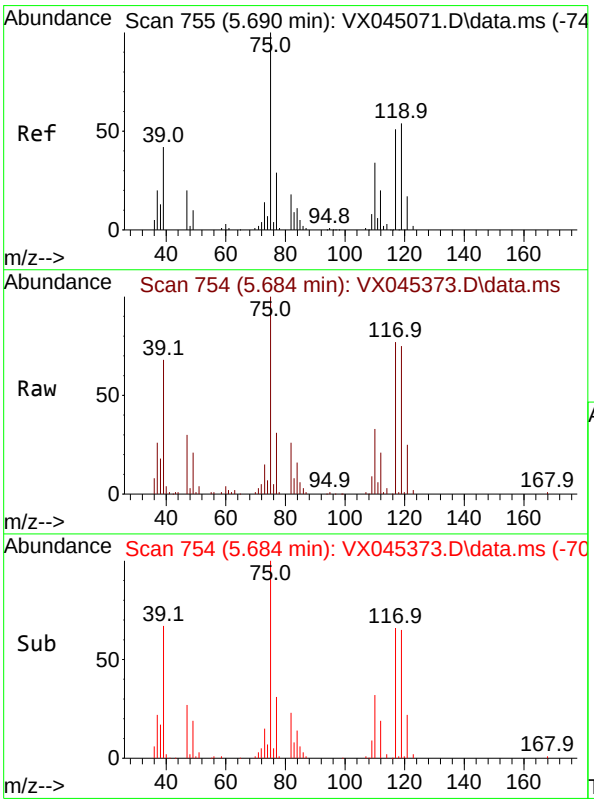
#35
Dibromofluoromethane
Concen: 46.935 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 52009

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	16.9	14.3	21.5

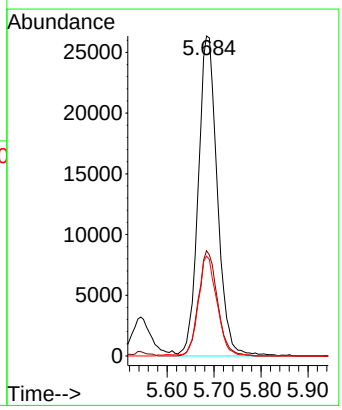


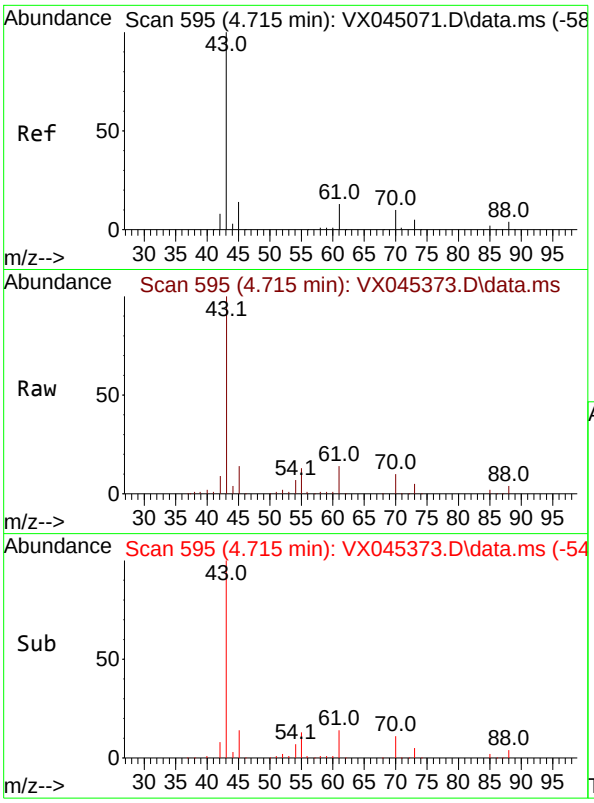


#36
1,1-Dichloropropene
Concen: 48.847 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 74230

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.6
77	30.4	24.5	36.7



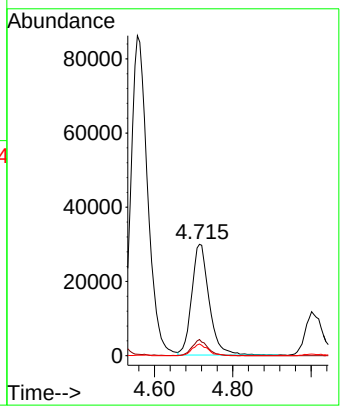


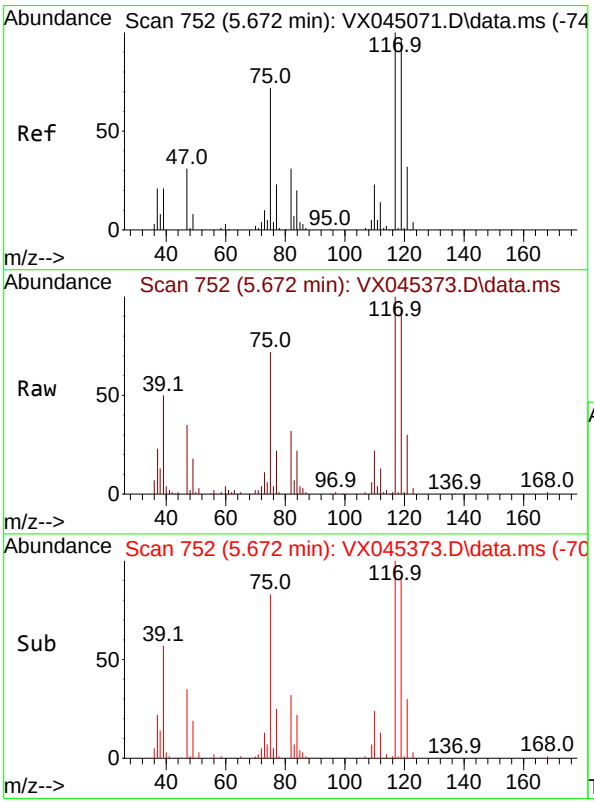
#37
Ethyl Acetate
Concen: 47.152 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 92331

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.6	7.7	11.5

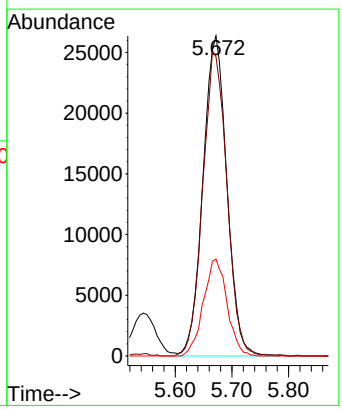


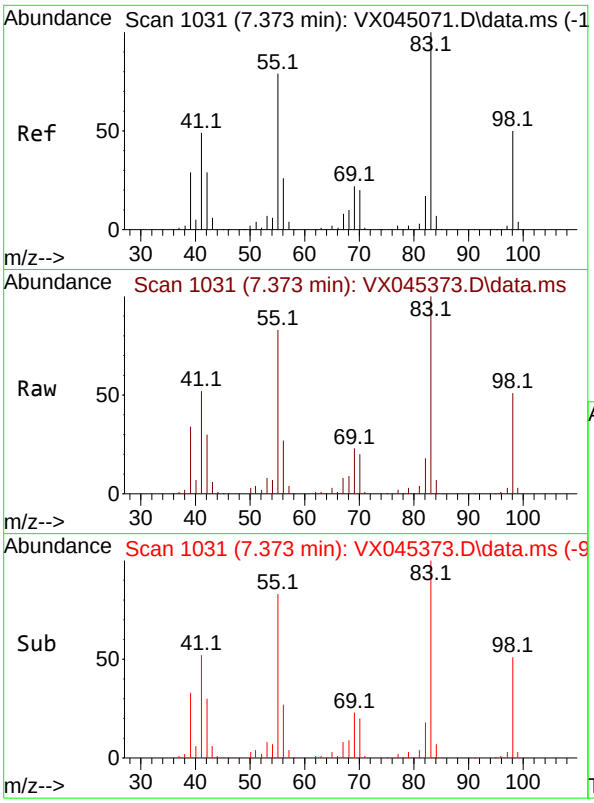


#38
Carbon Tetrachloride
Concen: 50.002 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 77143

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.7	115.1
121	30.3	25.5	38.3



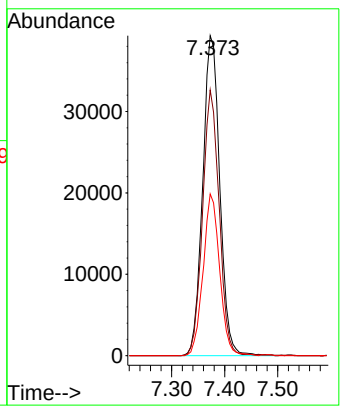


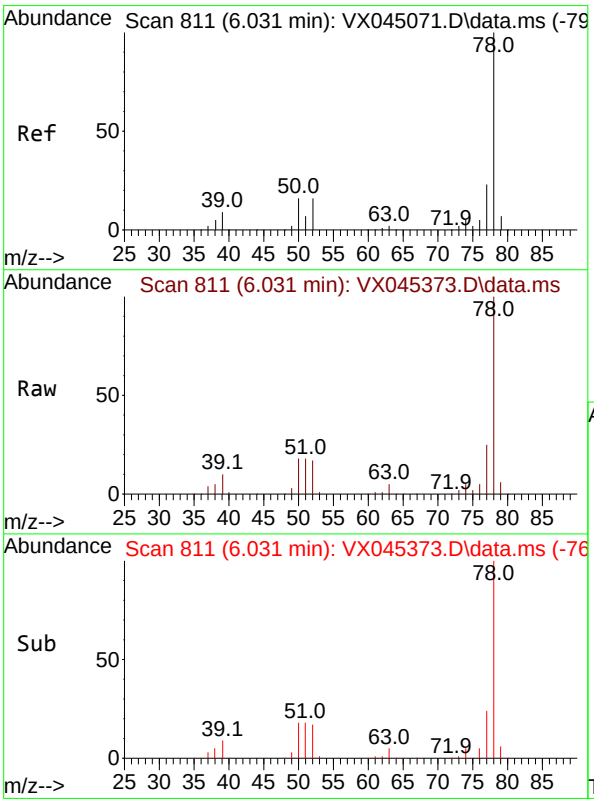
#39
Methylcyclohexane
Concen: 48.320 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87986

Ion	Ratio	Lower	Upper
83	100		
55	83.0	63.0	94.4
98	50.5	39.7	59.5

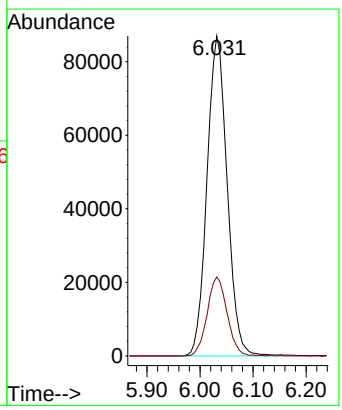


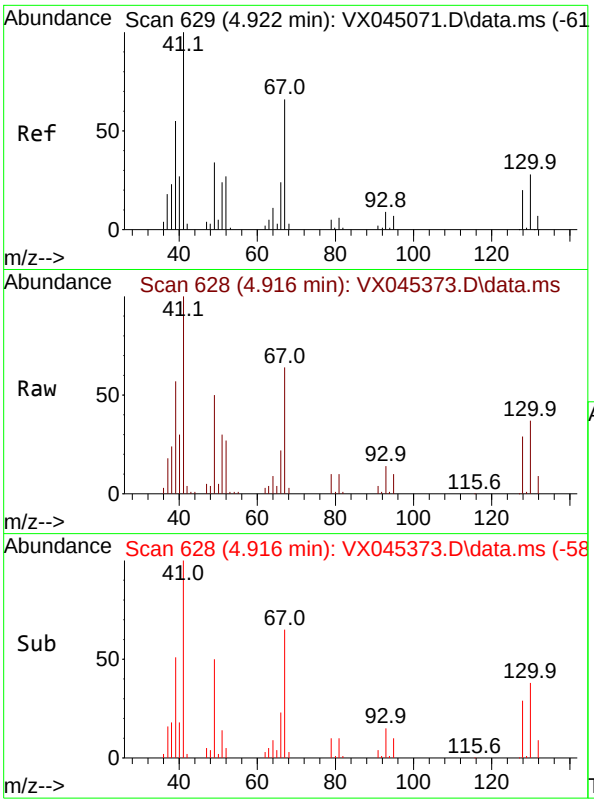


#40
Benzene
Concen: 47.823 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 78 Resp: 229488

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2



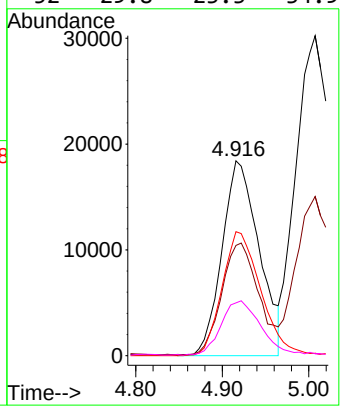


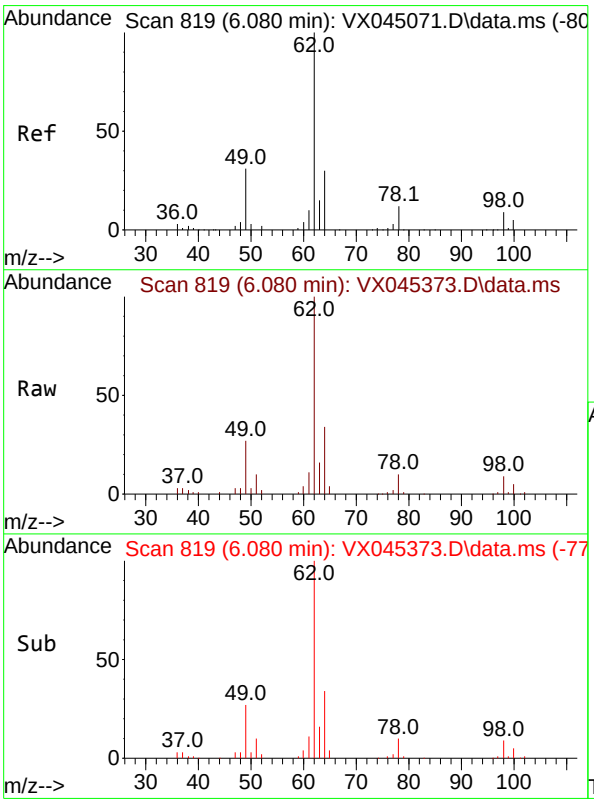
#41
Methacrylonitrile
Concen: 51.857 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 54907

Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.6	67.0
67	66.5	53.9	80.9
52	29.8	23.3	34.9

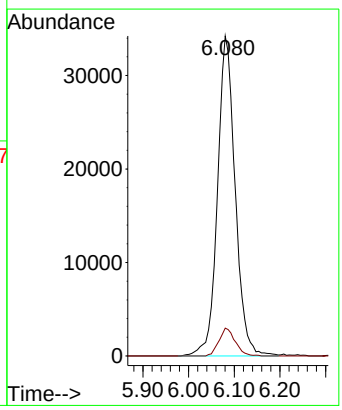


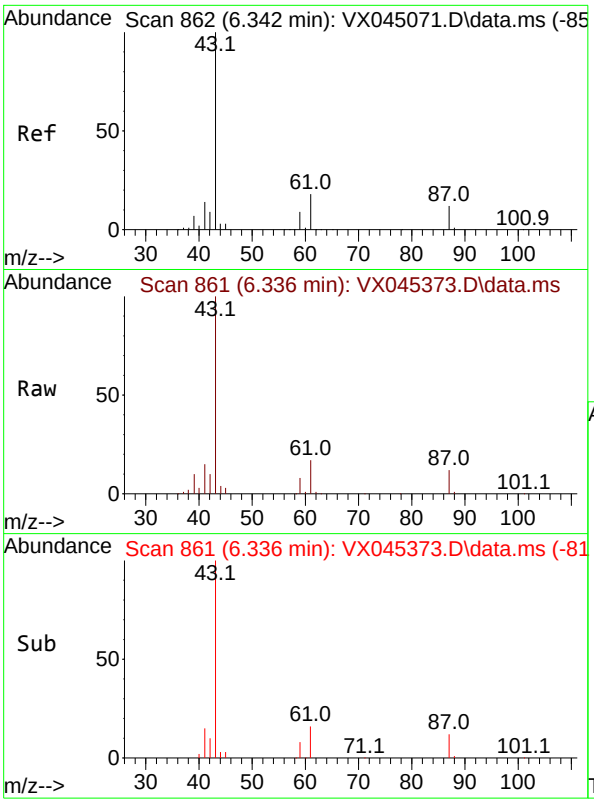


#42
1,2-Dichloroethane
Concen: 53.313 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 62 Resp: 92126

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2



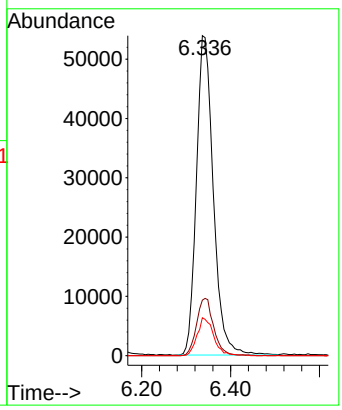


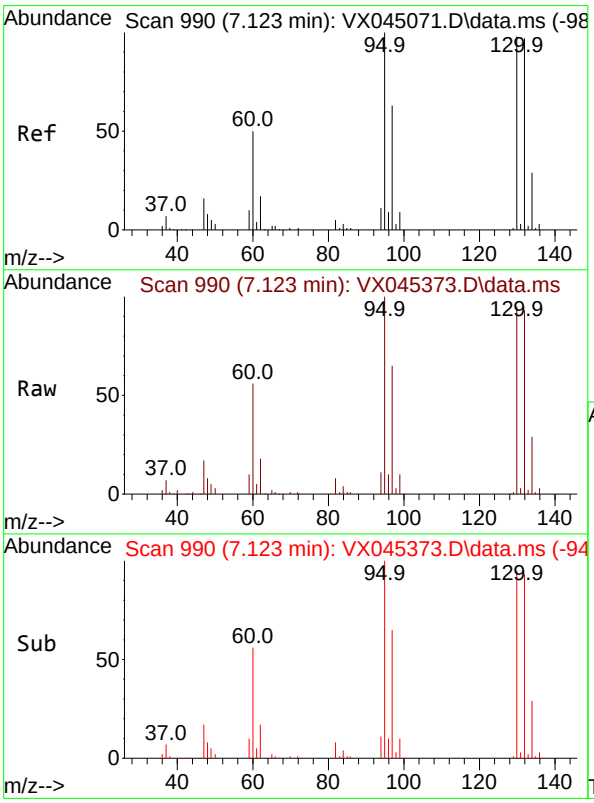
#43
Isopropyl Acetate
Concen: 49.361 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 142927

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.9	22.3
87	11.6	9.4	14.2

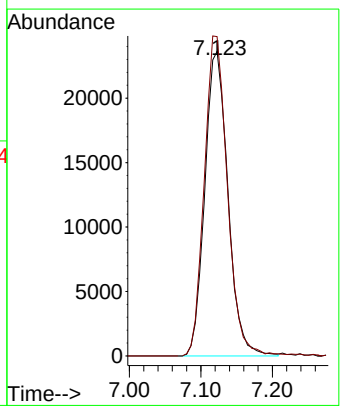


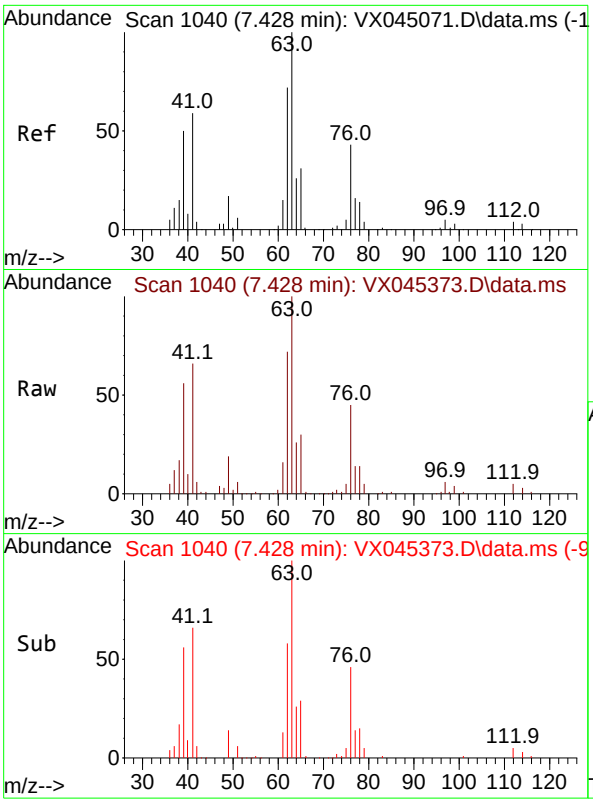


#44
Trichloroethene
Concen: 47.200 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:130 Resp: 53184

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	205.0



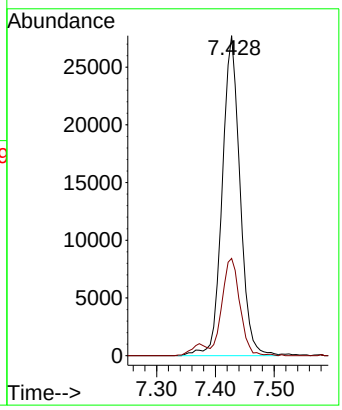


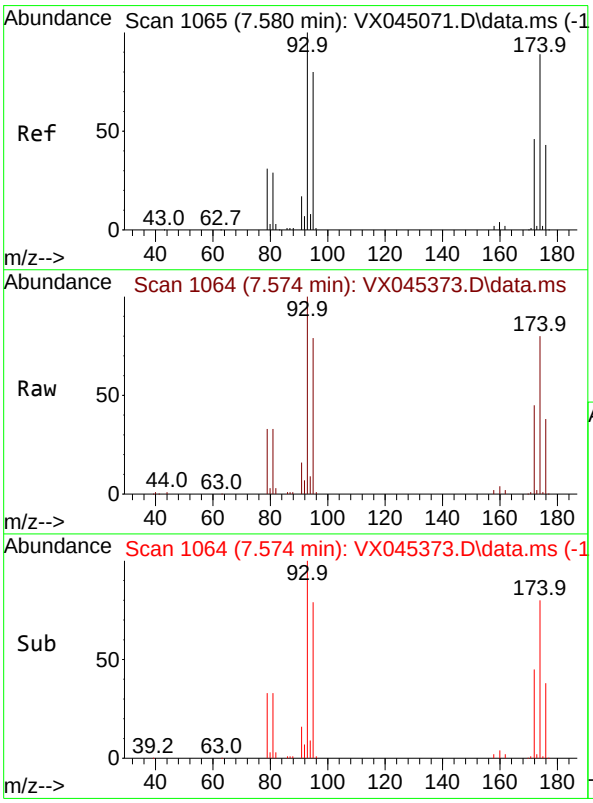
#45
1,2-Dichloropropane
Concen: 47.336 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 58403

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1

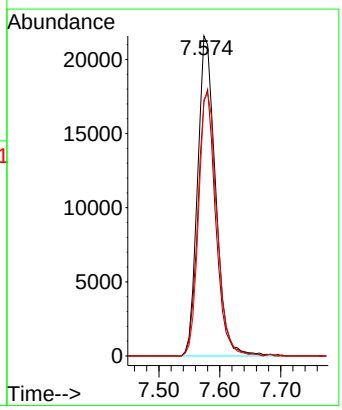


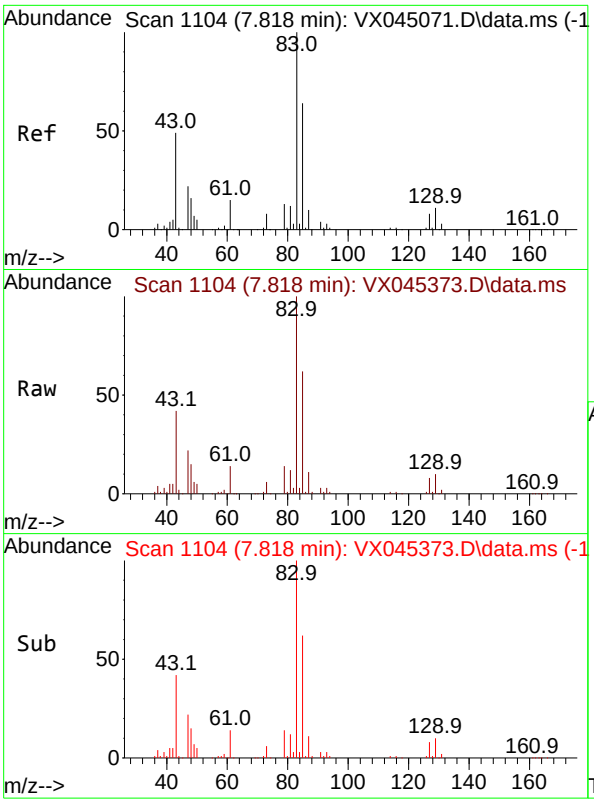


#46
Dibromomethane
Concen: 50.776 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 93 Resp: 44280

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.8	98.8
174	83.4	72.2	108.2



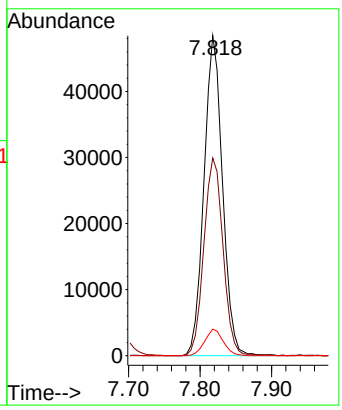


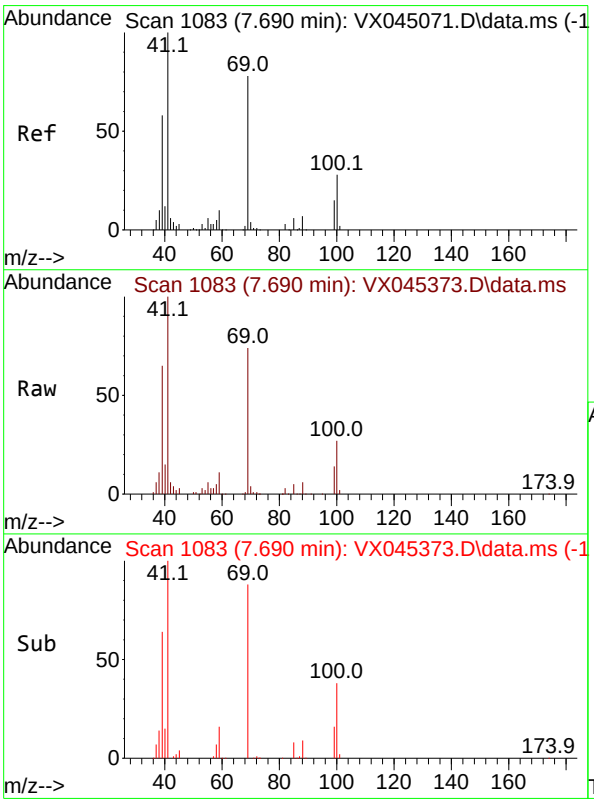
#47
Bromodichloromethane
Concen: 50.921 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87101

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	8.3	6.4	9.6

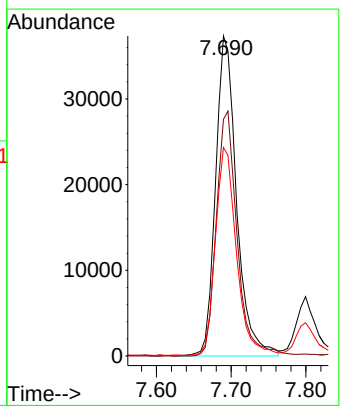


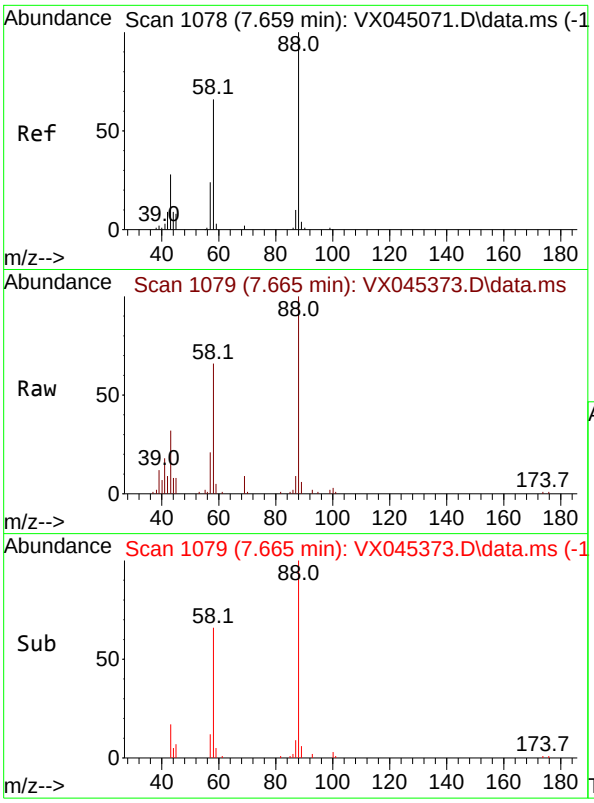


#48
Methyl methacrylate
Concen: 50.381 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 41 Resp: 73187

Ion	Ratio	Lower	Upper
41	100		
69	75.7	63.0	94.6
39	64.9	47.5	71.3



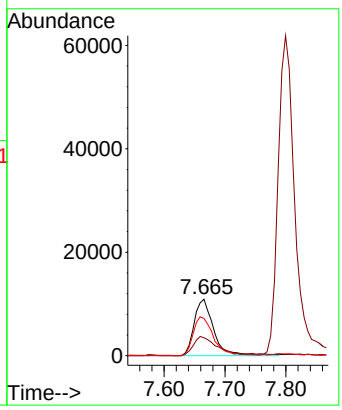


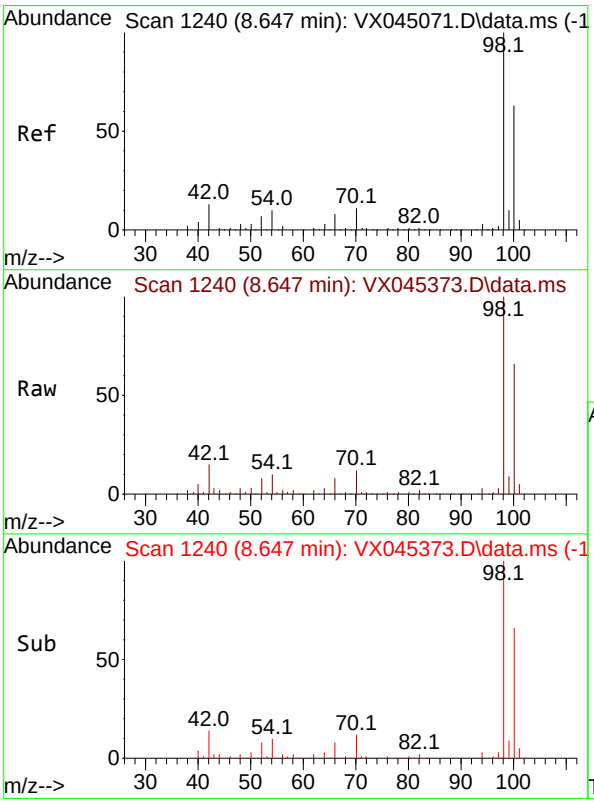
#49
1,4-Dioxane
Concen: 799.865 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24510

Ion	Ratio	Lower	Upper
88	100		
43	41.0	28.7	43.1
58	69.1	55.8	83.8

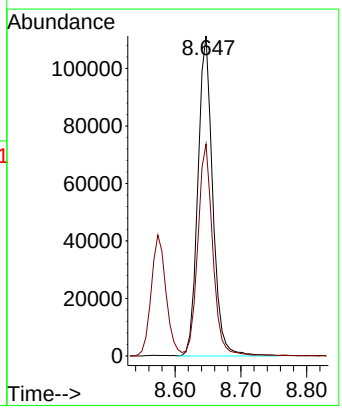


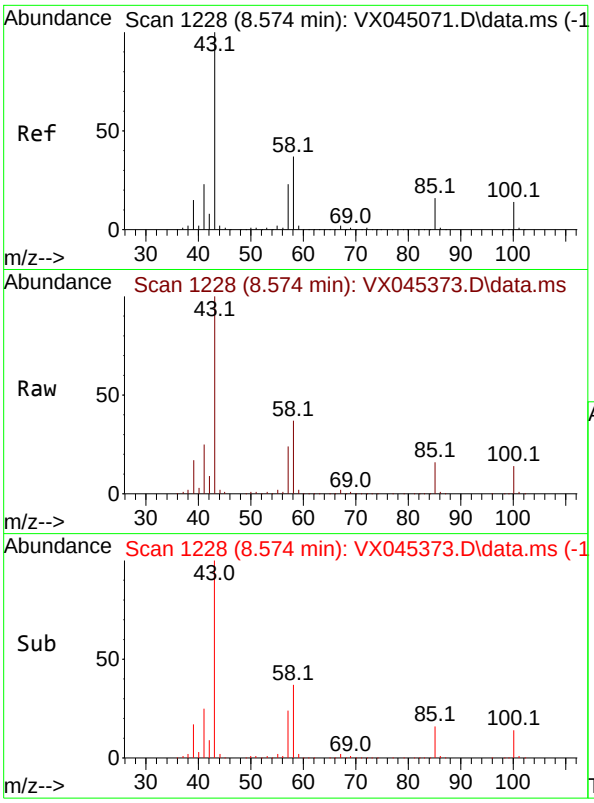


#50
Toluene-d8
Concen: 43.410 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 98 Resp: 174390

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.0	78.0



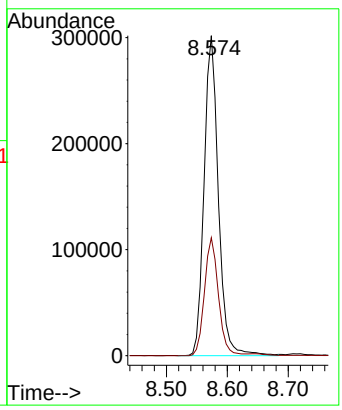


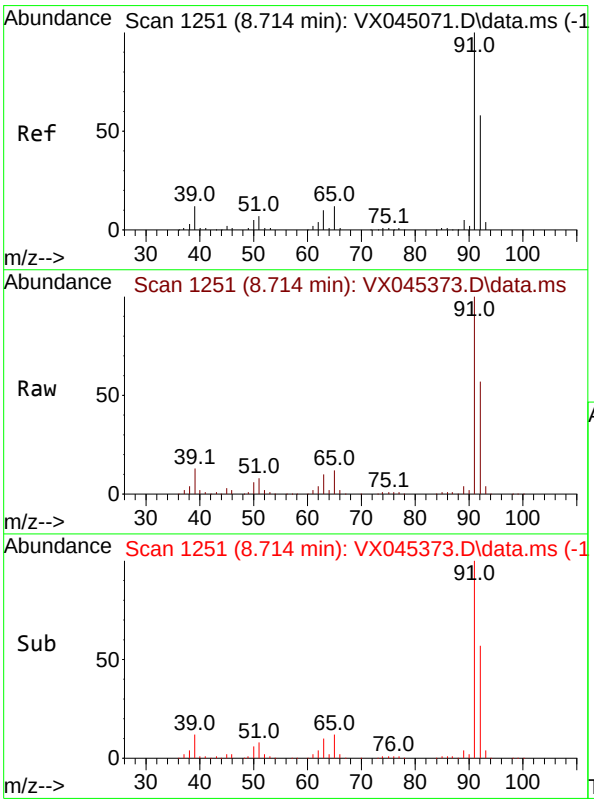
#51
4-Methyl-2-Pentanone
Concen: 252.898 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 491687

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

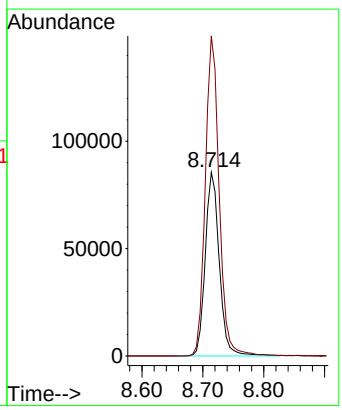


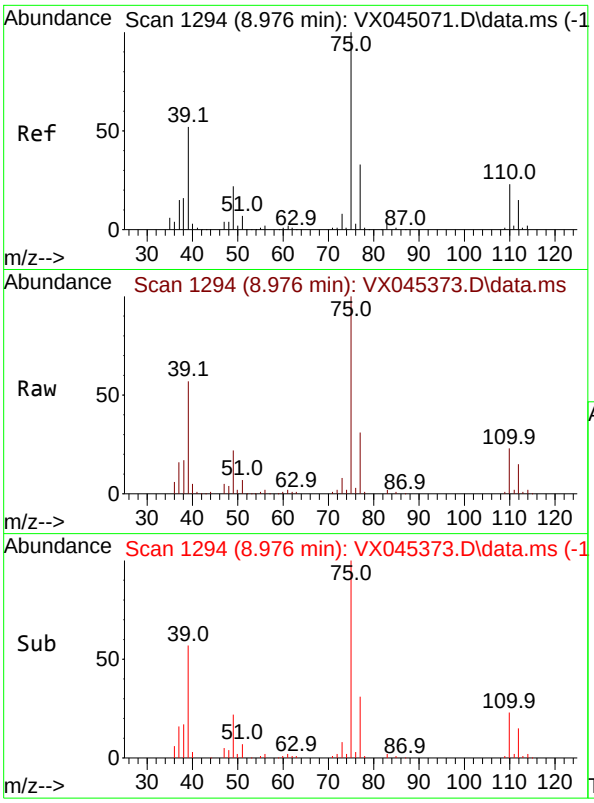


#52
Toluene
Concen: 48.708 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 92 Resp: 137136

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.9	208.3



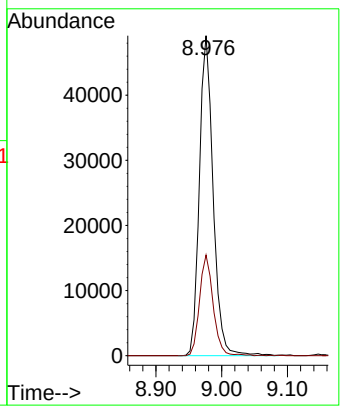


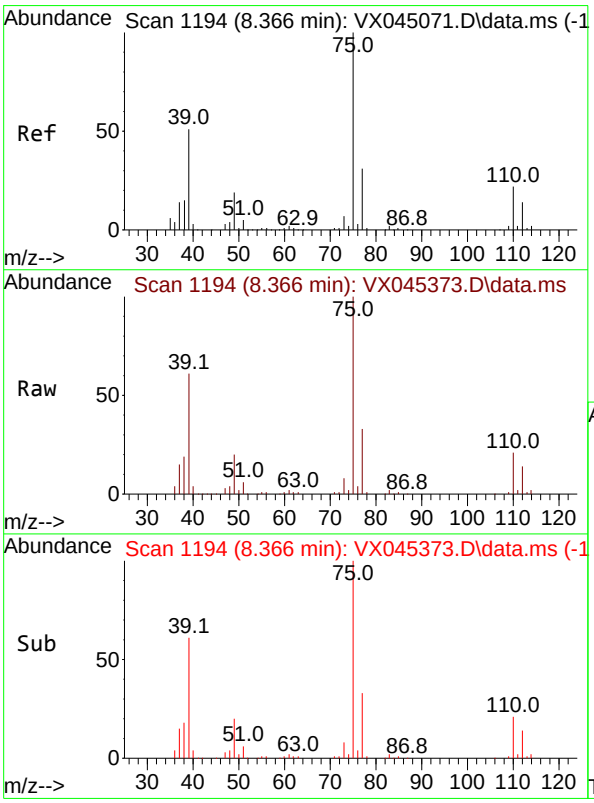
#53
t-1,3-Dichloropropene
Concen: 50.020 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 71529

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

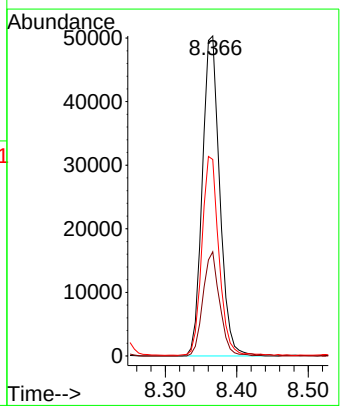


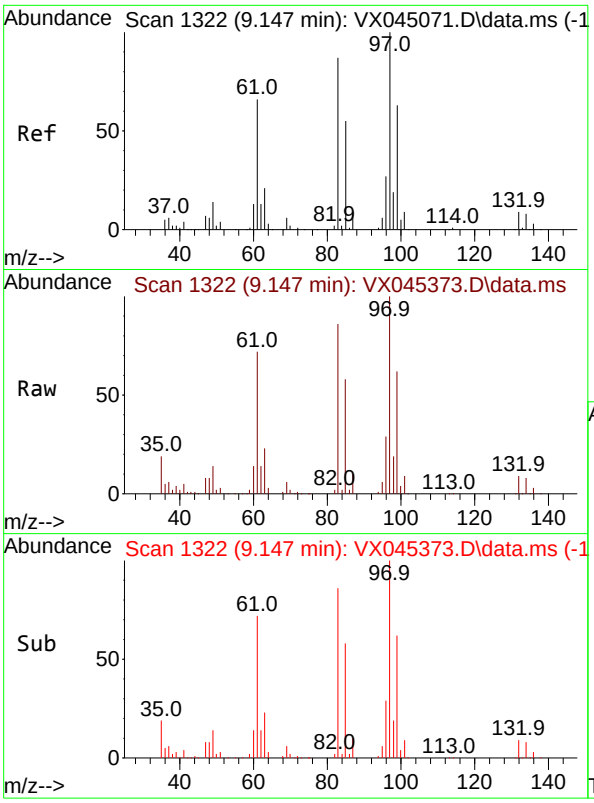


#54
cis-1,3-Dichloropropene
Concen: 50.990 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 85027

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.7	37.1
39	61.2	40.7	61.1#



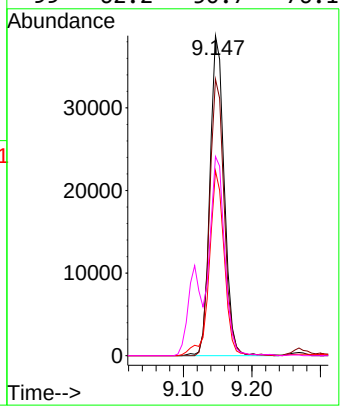


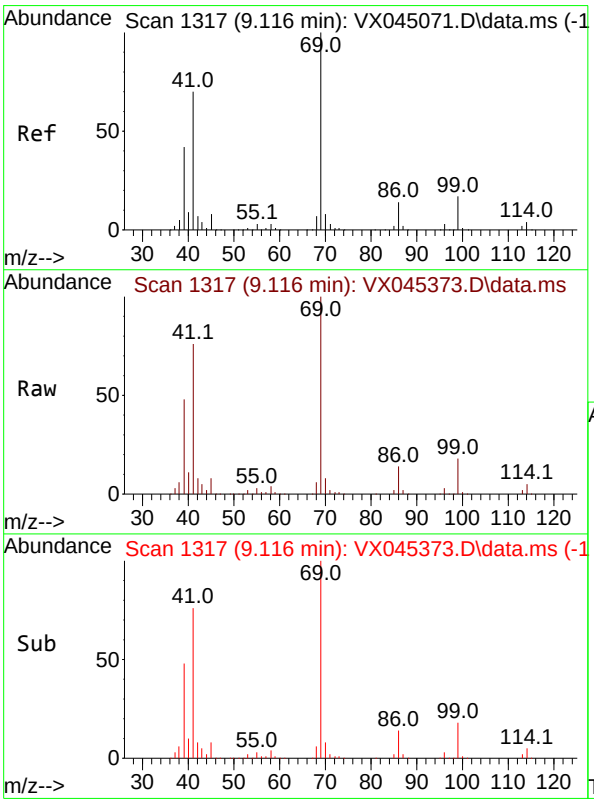
#55
1,1,2-Trichloroethane
Concen: 48.680 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 56424

Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.4	104.2
85	57.8	44.1	66.1
99	62.2	50.7	76.1

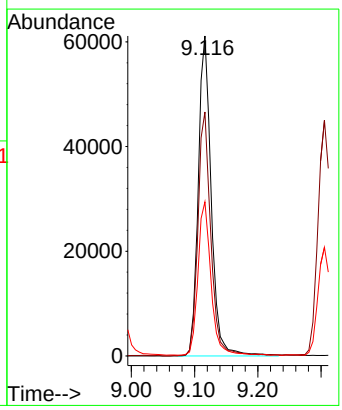


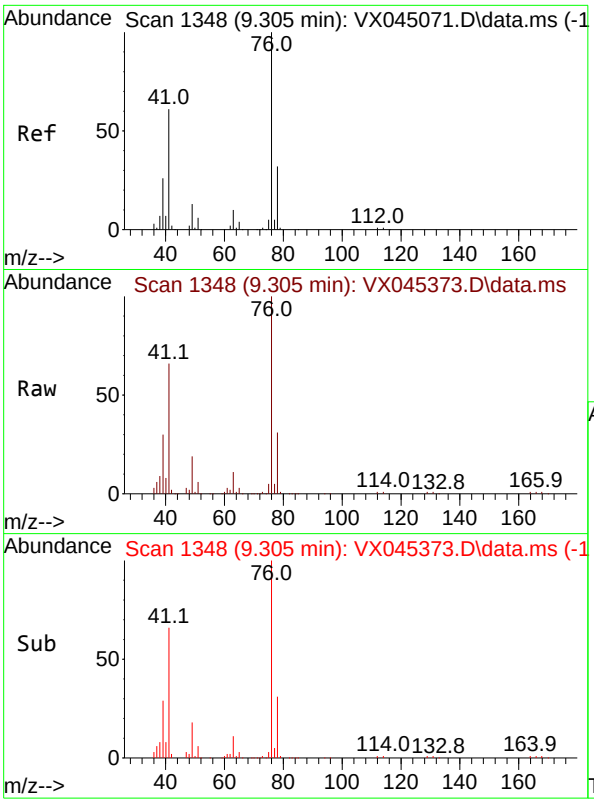


#56
Ethyl methacrylate
Concen: 49.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 69 Resp: 87573

Ion	Ratio	Lower	Upper
69	100		
41	76.0	57.0	85.4
39	48.1	34.2	51.4



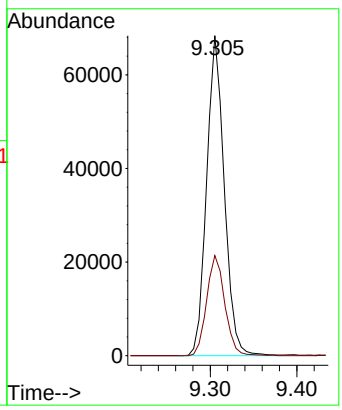


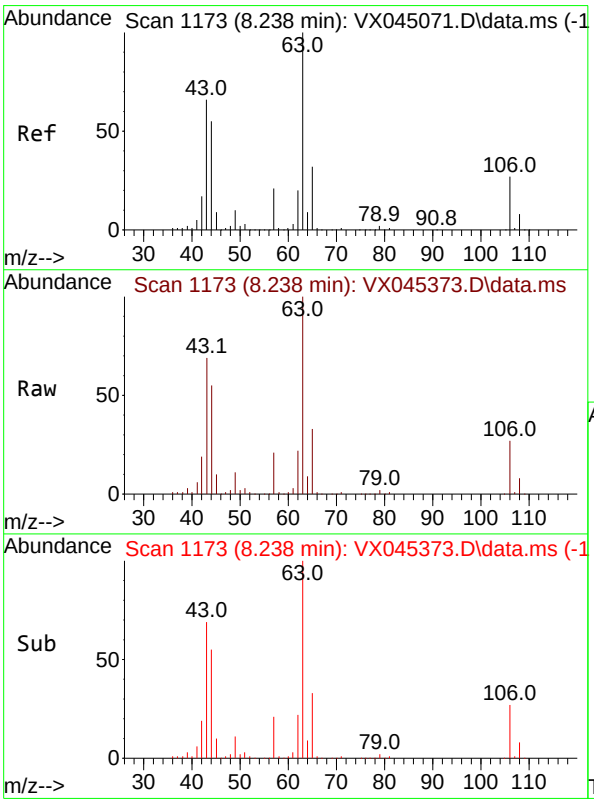
#57
1,3-Dichloropropane
Concen: 48.163 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 96608

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

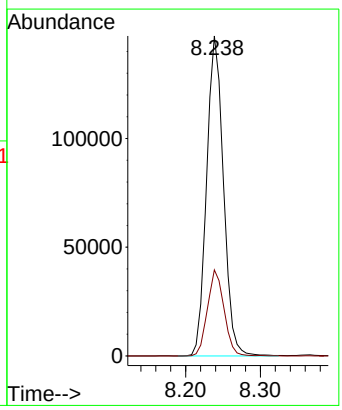


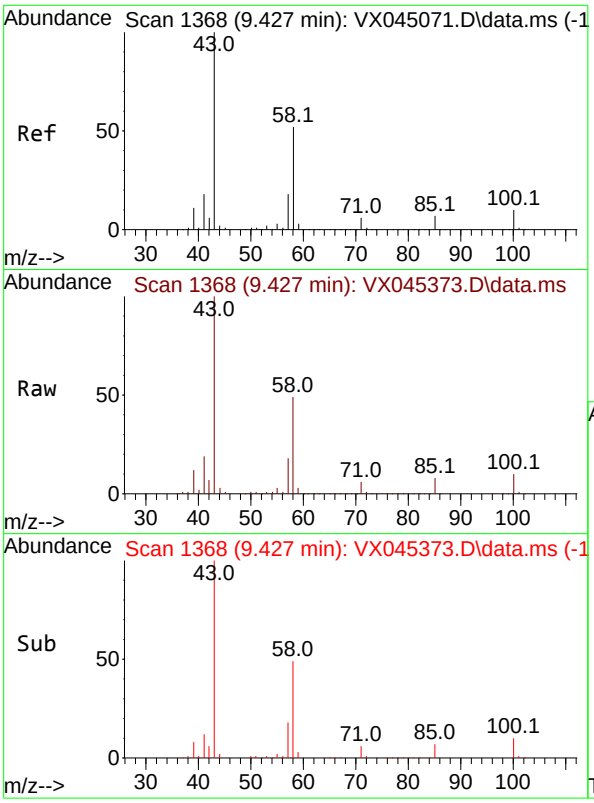


#58
2-Chloroethyl Vinyl ether
Concen: 268.242 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 63 Resp: 230541

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



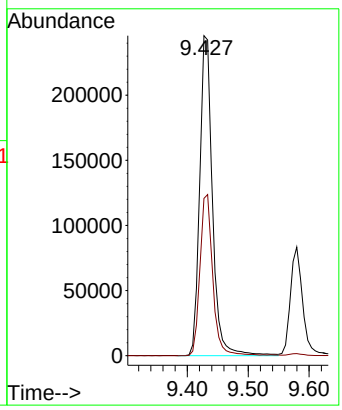


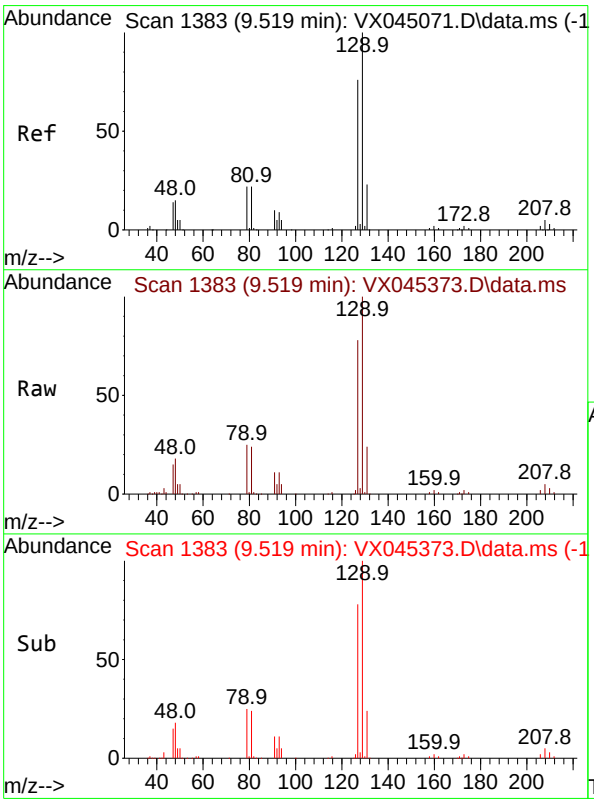
#59
2-Hexanone
Concen: 254.850 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 358998

Ion	Ratio	Lower	Upper
43	100		
58	50.6	25.9	77.6

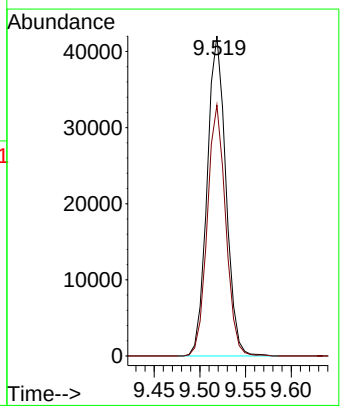


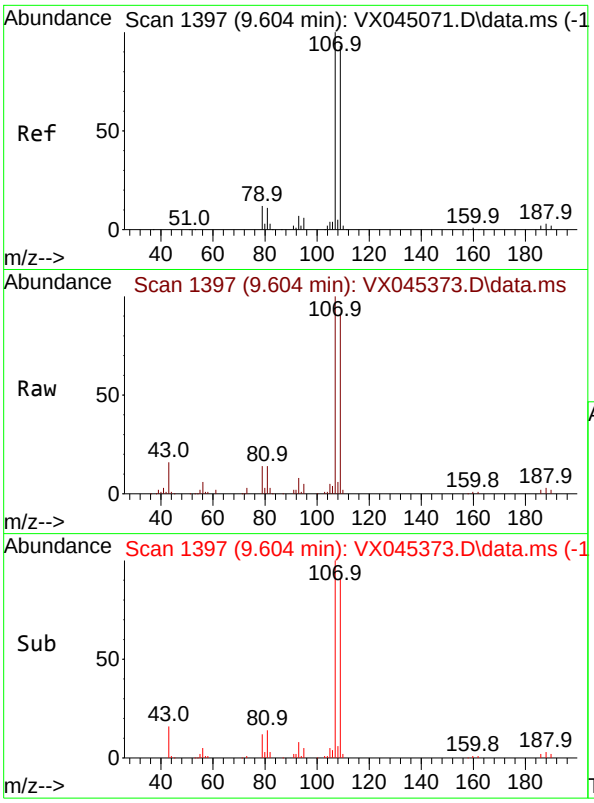


#60
Dibromochloromethane
Concen: 49.346 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:129 Resp: 59803

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



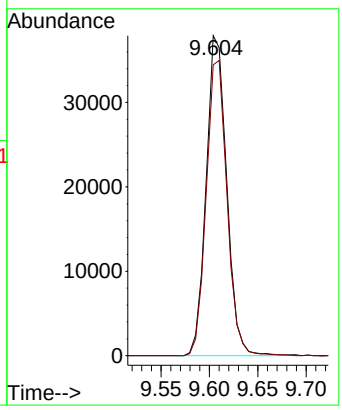


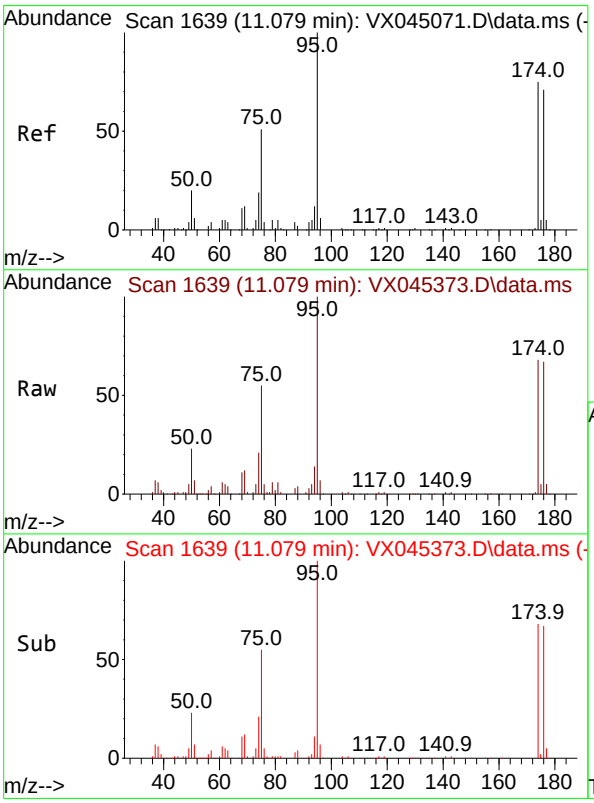
#61
1,2-Dibromoethane
Concen: 48.470 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 56084

Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.1	114.1

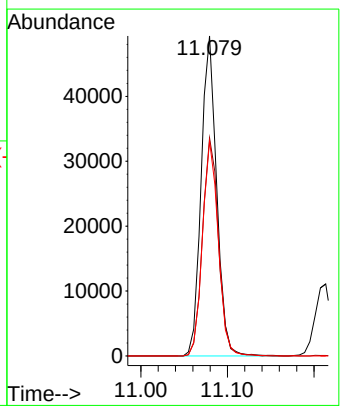


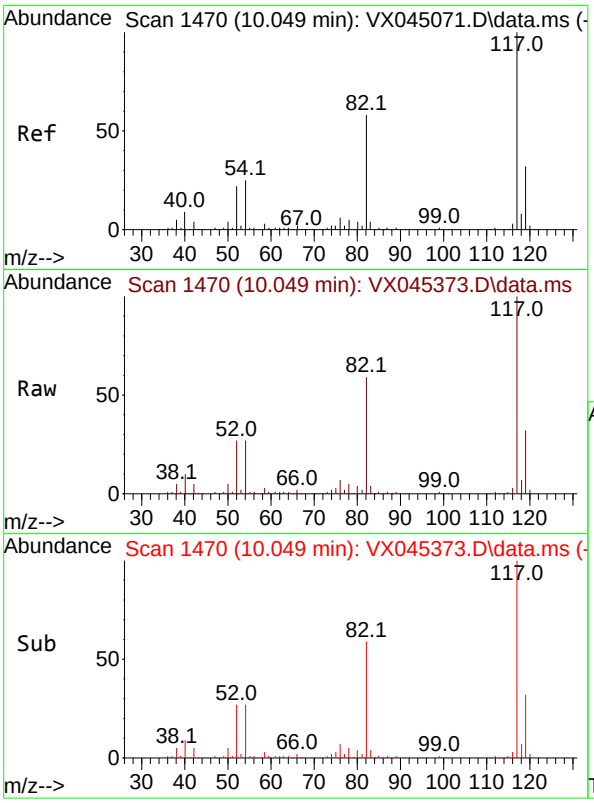


#62
4-Bromofluorobenzene
Concen: 46.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 95 Resp: 61298

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	148.2
176	68.5	0.0	141.4



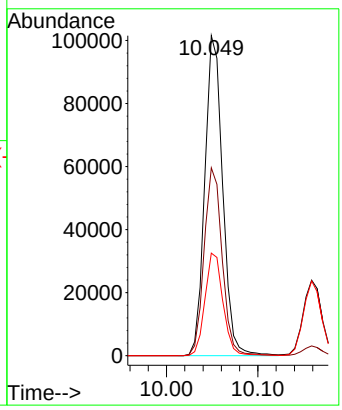


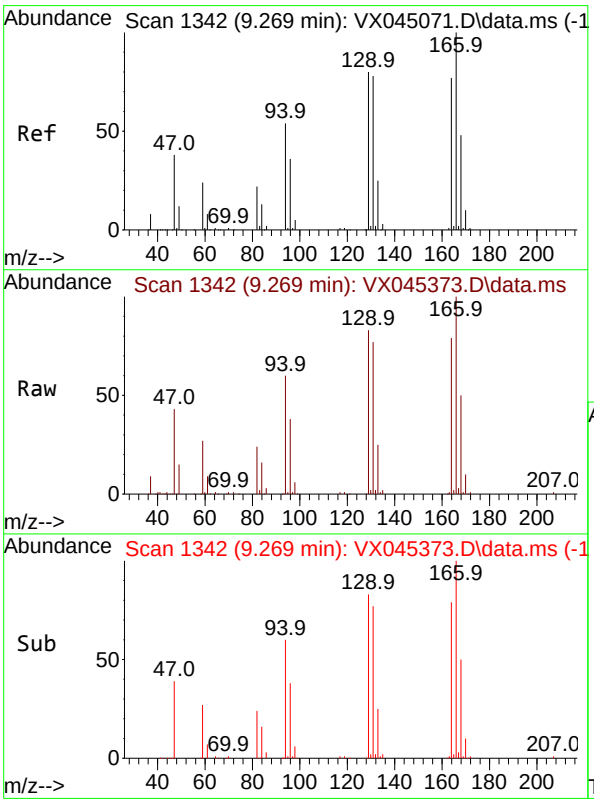
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 137688

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	32.1	25.7	38.5

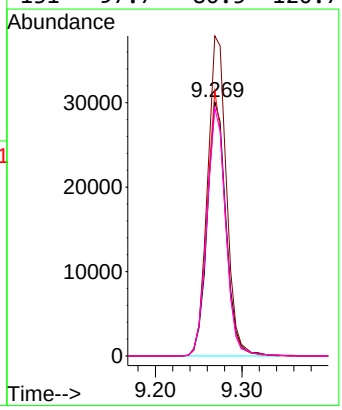


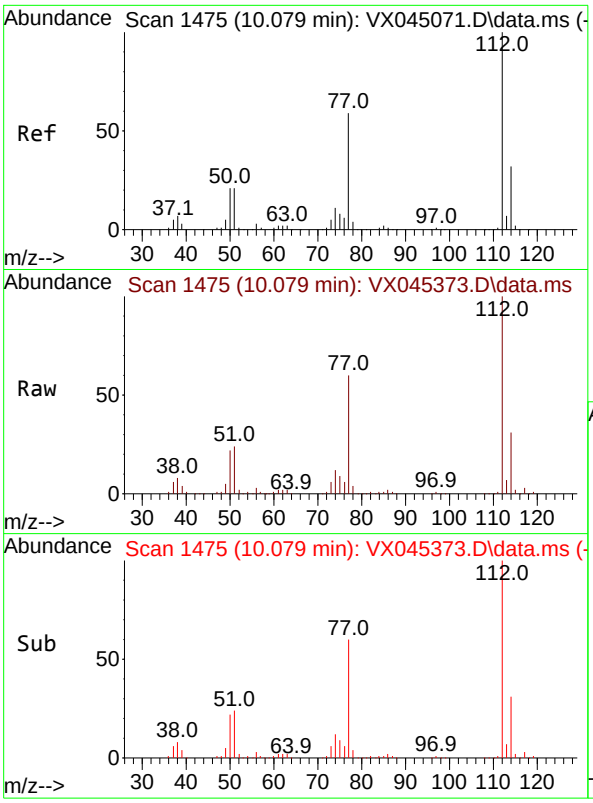


#64
Tetrachloroethene
Concen: 51.351 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:164 Resp: 45283

Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.6	155.4
129	104.4	82.7	124.1
131	97.7	80.5	120.7



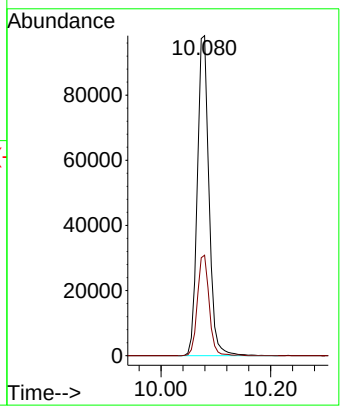


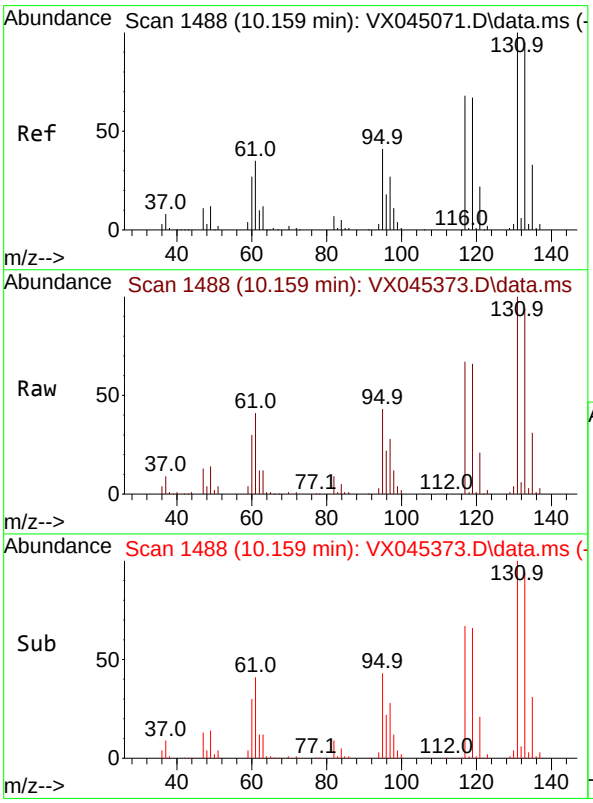
#65
Chlorobenzene
Concen: 49.767 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 144993

Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0

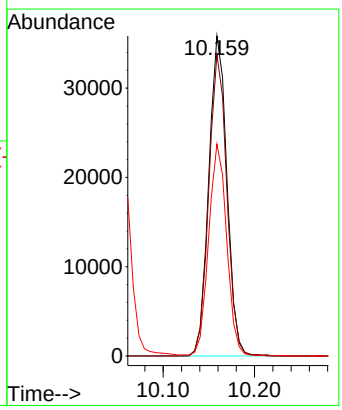


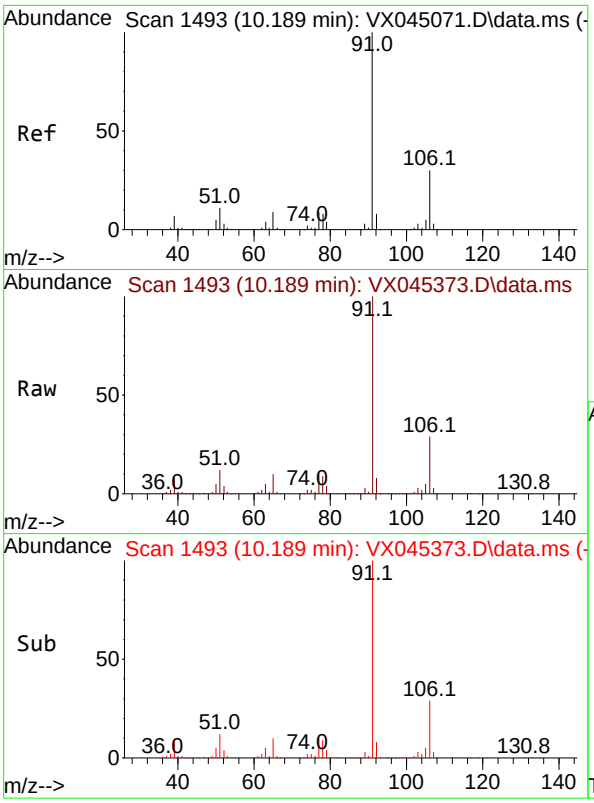


#66
1,1,1,2-Tetrachloroethane
Concen: 50.843 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:131 Resp: 49330

Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.6	145.9
119	66.0	33.9	101.7



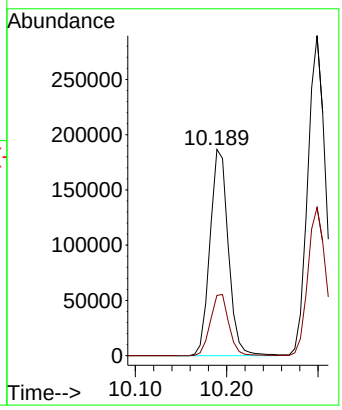


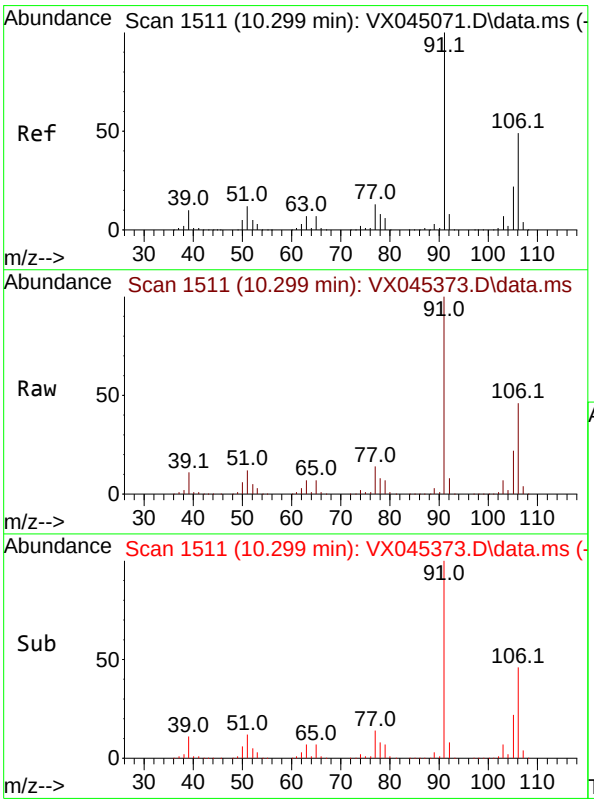
#67
Ethyl Benzene
Concen: 51.160 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 259715

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9

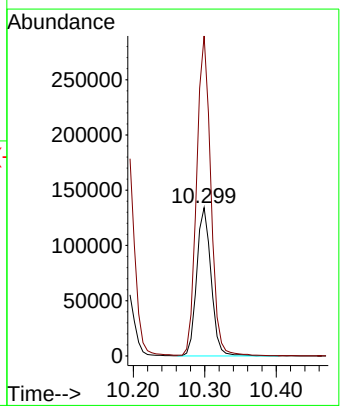


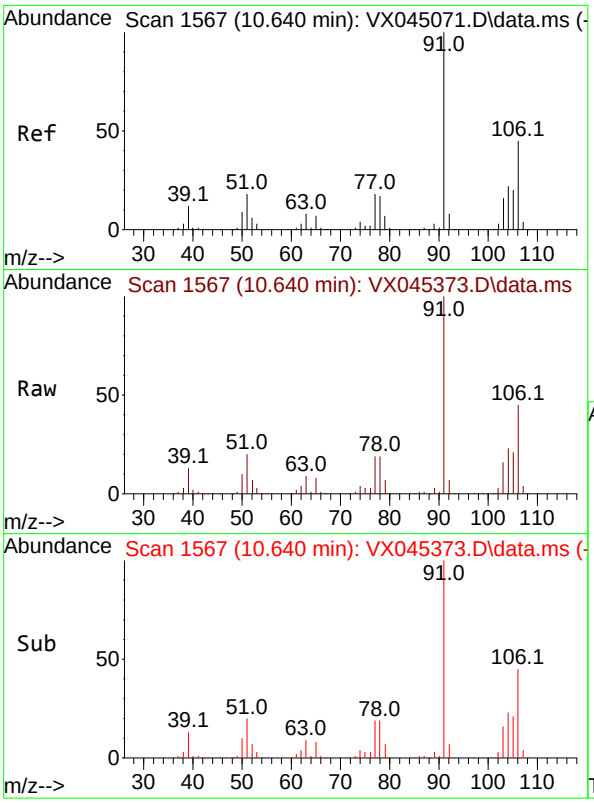


#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:106 Resp: 186973

Ion	Ratio	Lower	Upper
106	100		
91	213.8	165.4	248.0



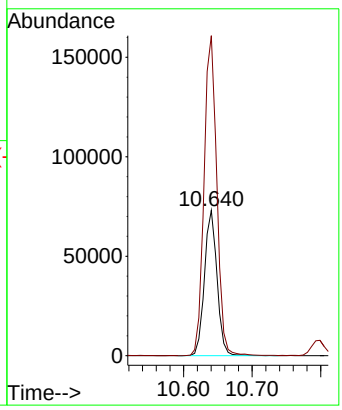


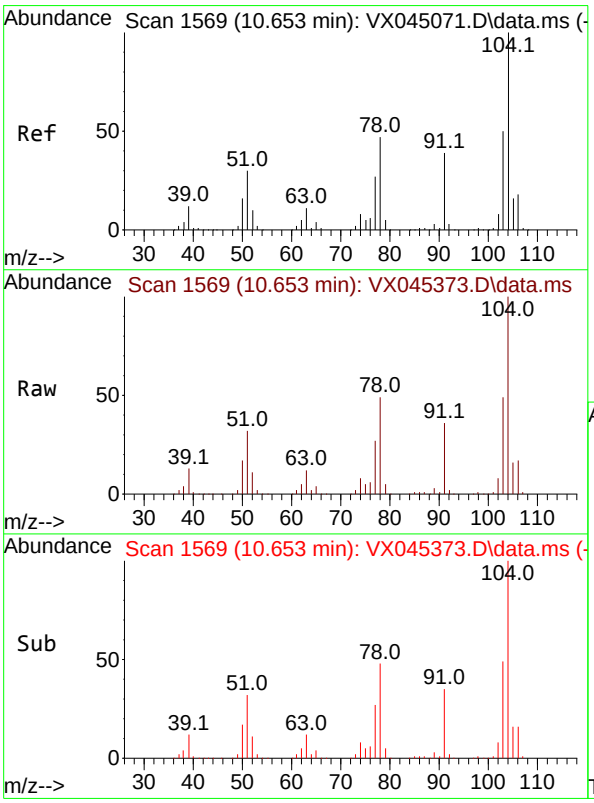
#69
o-Xylene
Concen: 49.785 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 93311

Ion	Ratio	Lower	Upper
106	100		
91	223.8	109.9	329.6

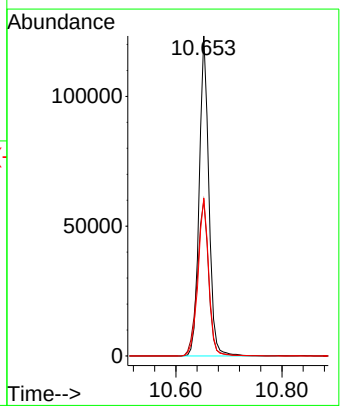


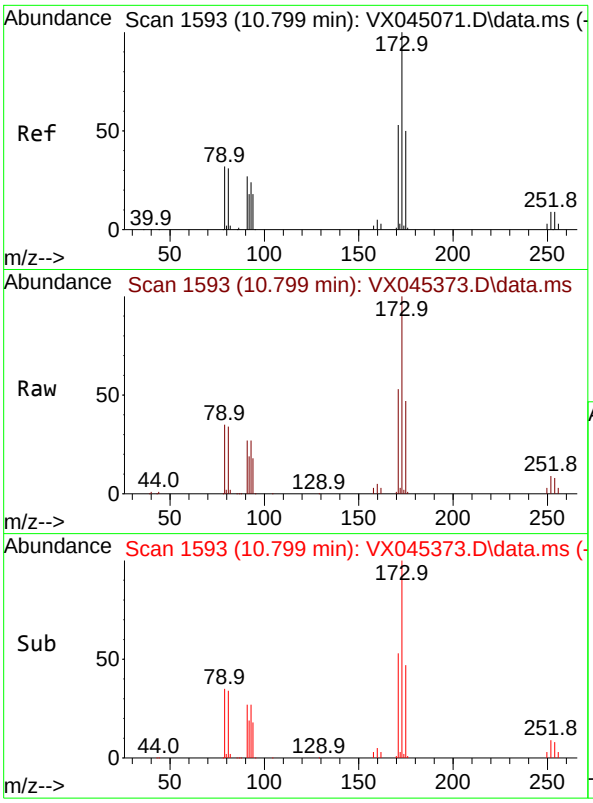


#70
Styrene
Concen: 51.533 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:104 Resp: 156285

Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.2	63.4
103	54.6	43.8	65.8



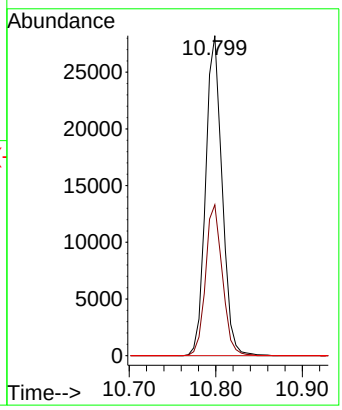


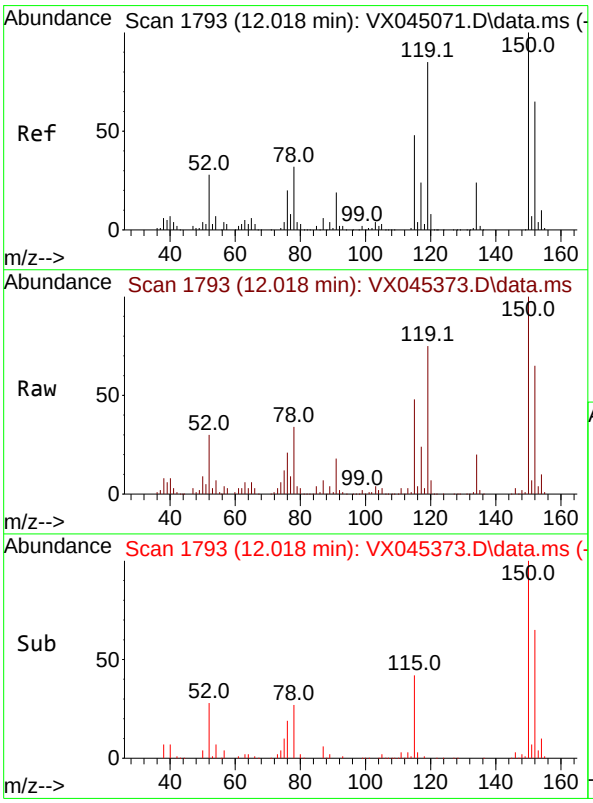
#71
Bromoform
Concen: 51.008 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 37320

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.0	0.0	0.0

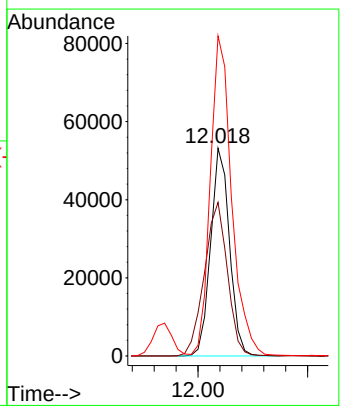


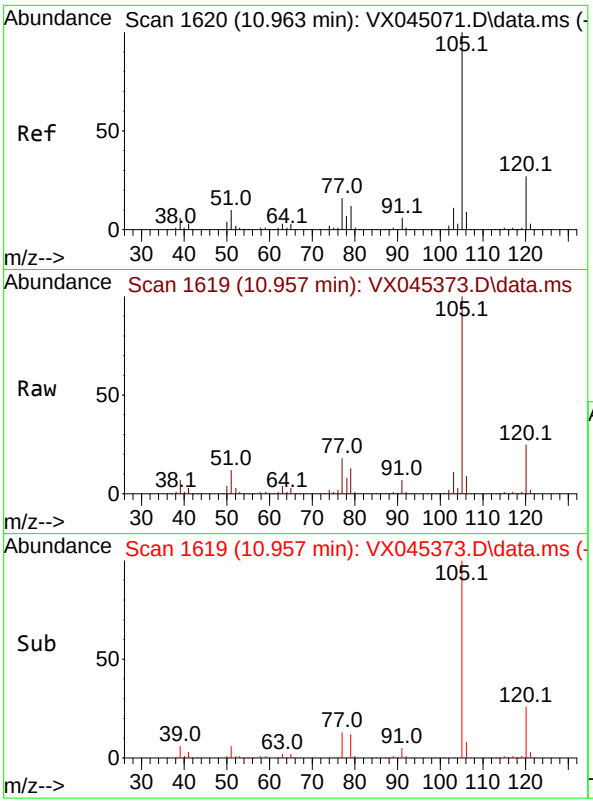


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:152 Resp: 63601

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.9	0.0	349.0



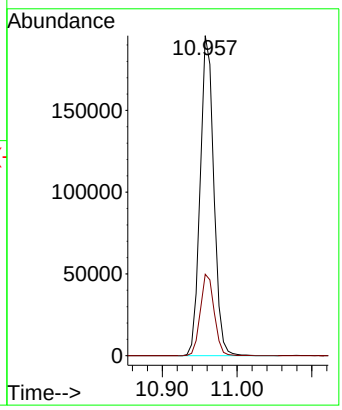


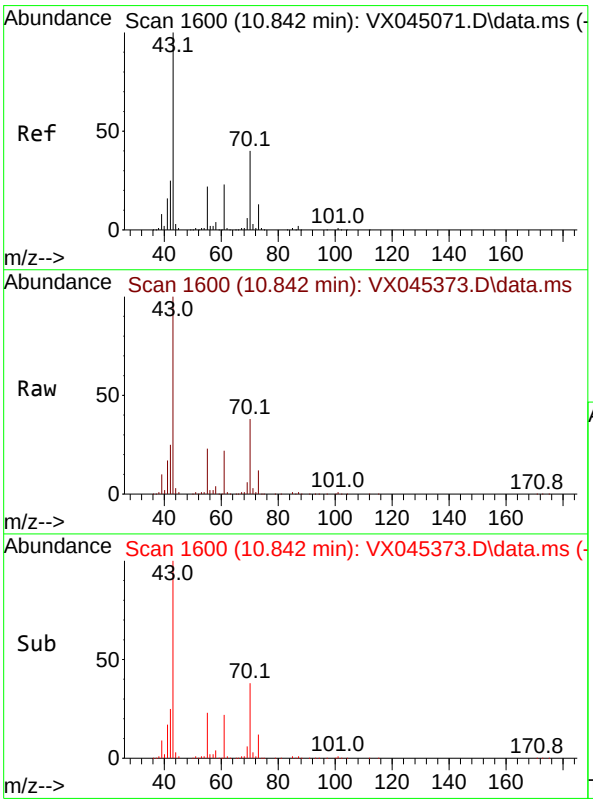
#73
Isopropylbenzene
Concen: 49.801 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 247227

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

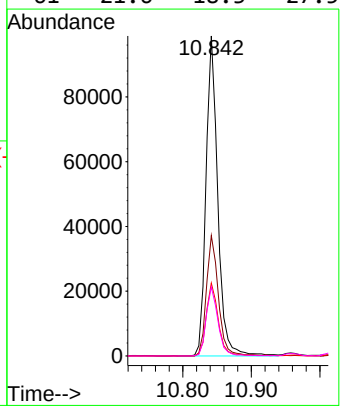


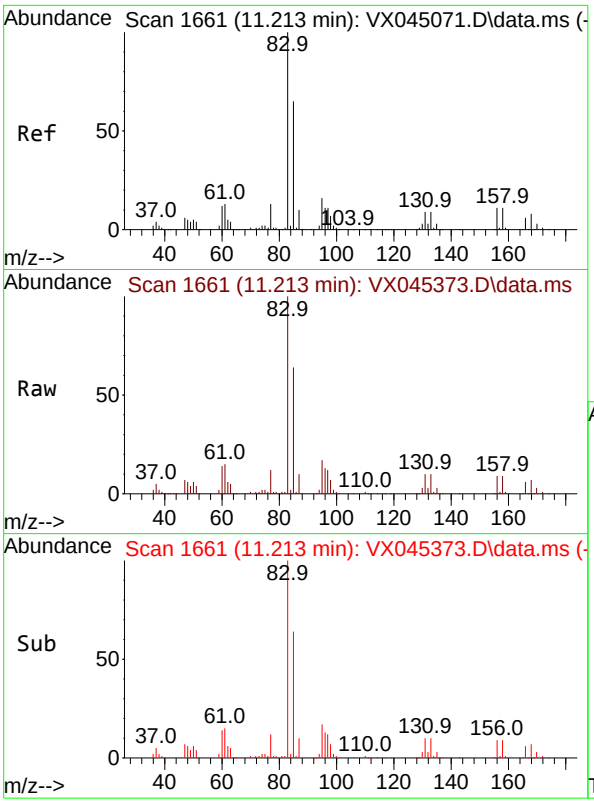


#74
N-amyl acetate
Concen: 50.753 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 43 Resp: 118224

Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.8	47.6
55	23.6	18.3	27.5
61	21.6	18.3	27.5



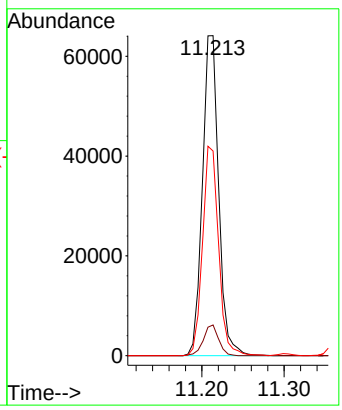


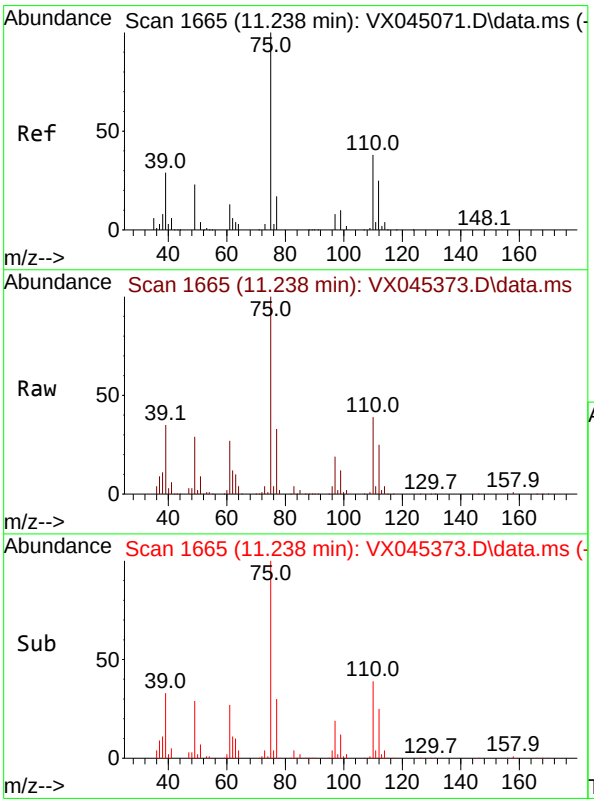
#75
1,1,2,2-Tetrachloroethane
Concen: 48.314 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 88014

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.6	31.7	95.1

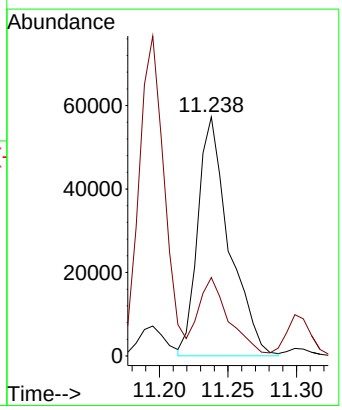


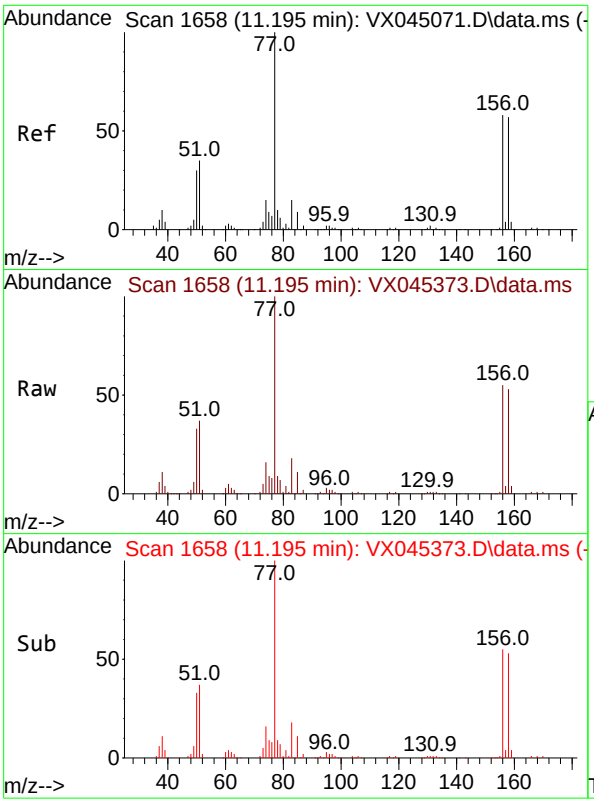


#76
1,2,3-Trichloropropane
Concen: 61.575 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 91150

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.7	62.1



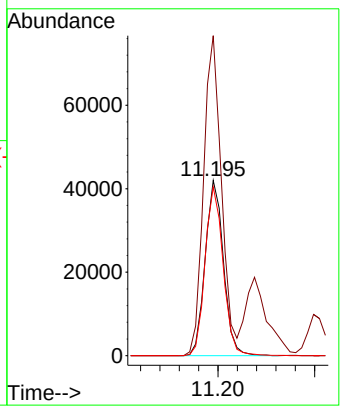


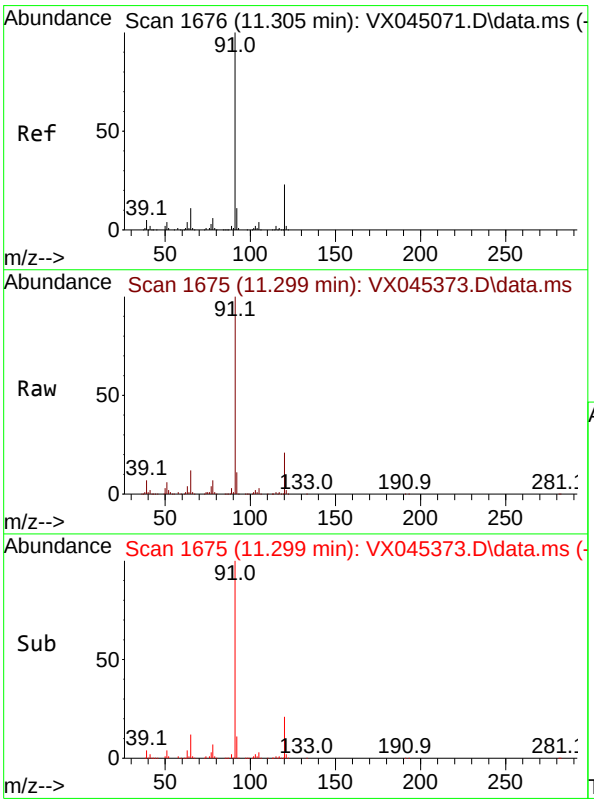
#77
Bromobenzene
Concen: 47.066 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 55127

Ion	Ratio	Lower	Upper
156	100		
77	178.9	85.8	257.4
158	95.5	48.4	145.2

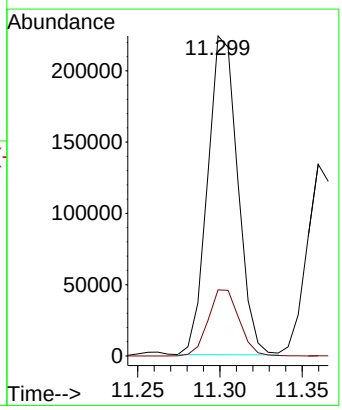


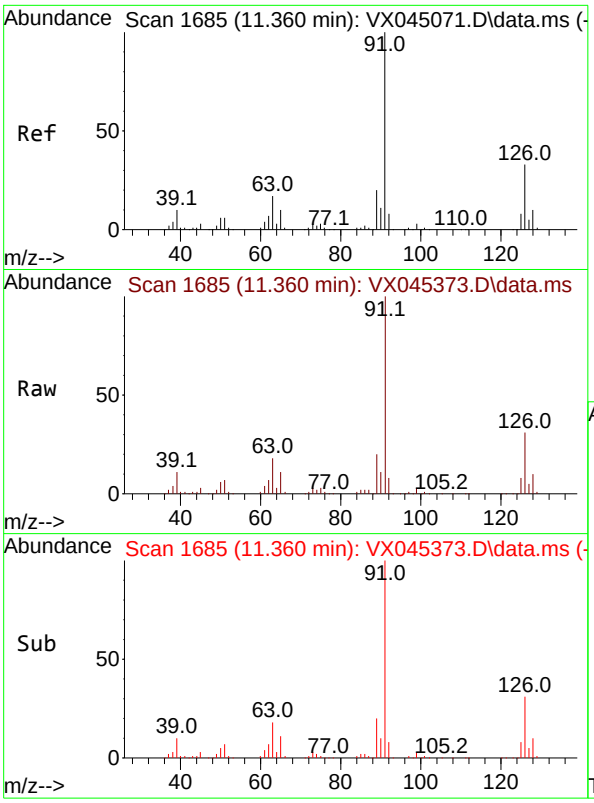


#78
n-propylbenzene
Concen: 50.665 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 284120

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.2	33.6



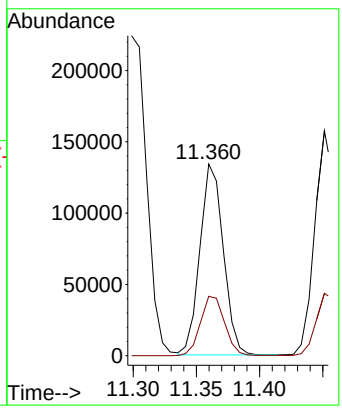


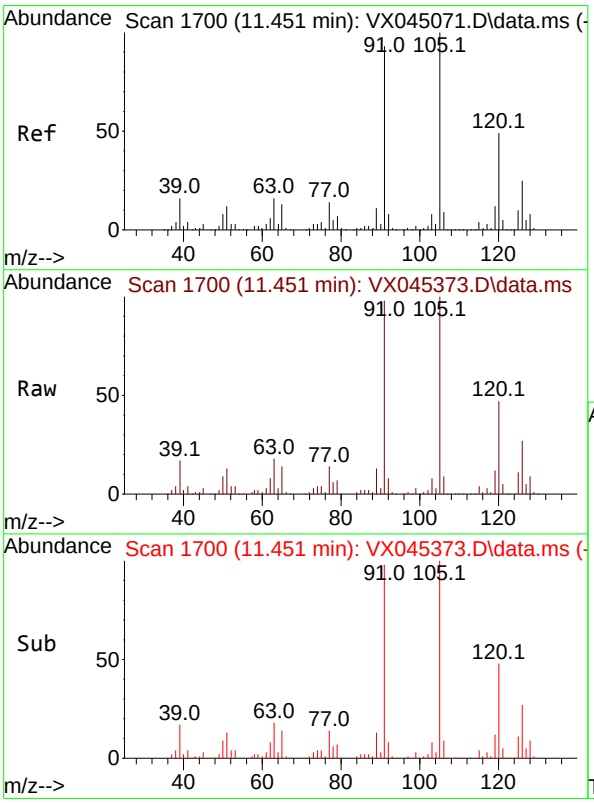
#79
2-Chlorotoluene
Concen: 48.292 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 172470

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

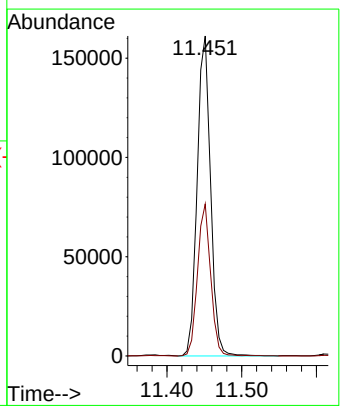


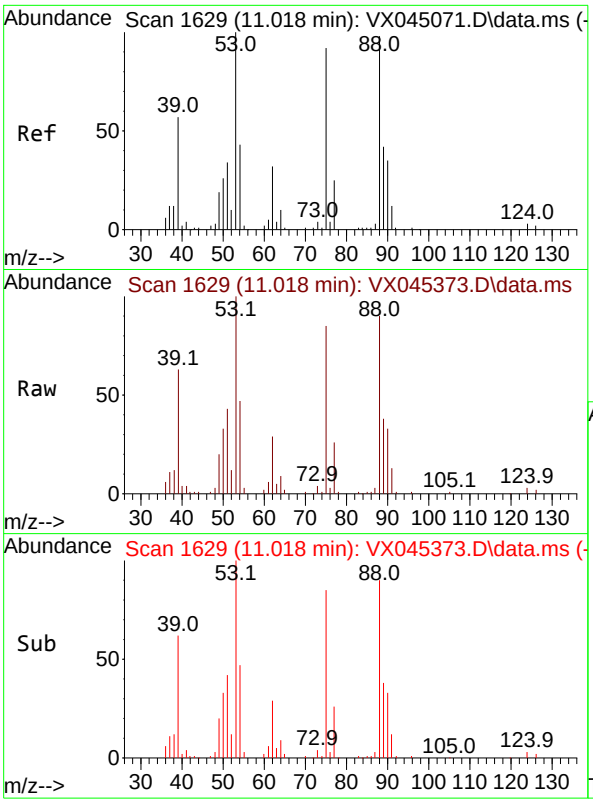


#80
1,3,5-Trimethylbenzene
Concen: 49.907 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 200325

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.1	72.2



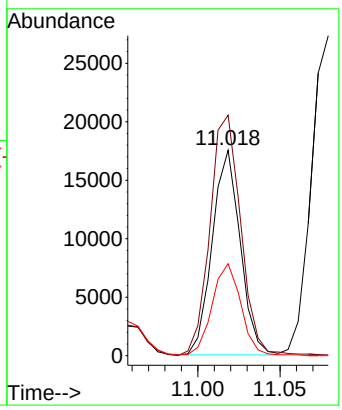


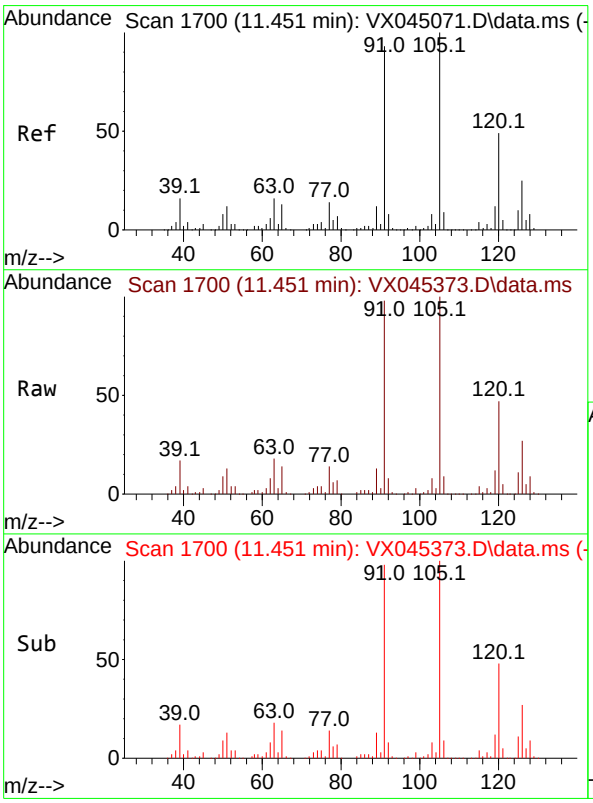
#81
trans-1,4-Dichloro-2-butene
Concen: 47.898 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 20719

Ion	Ratio	Lower	Upper
75	100		
53	129.9	88.5	132.7
89	46.3	36.2	54.4

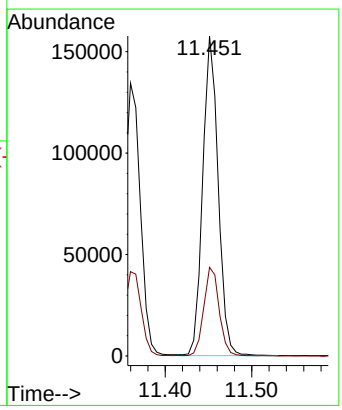


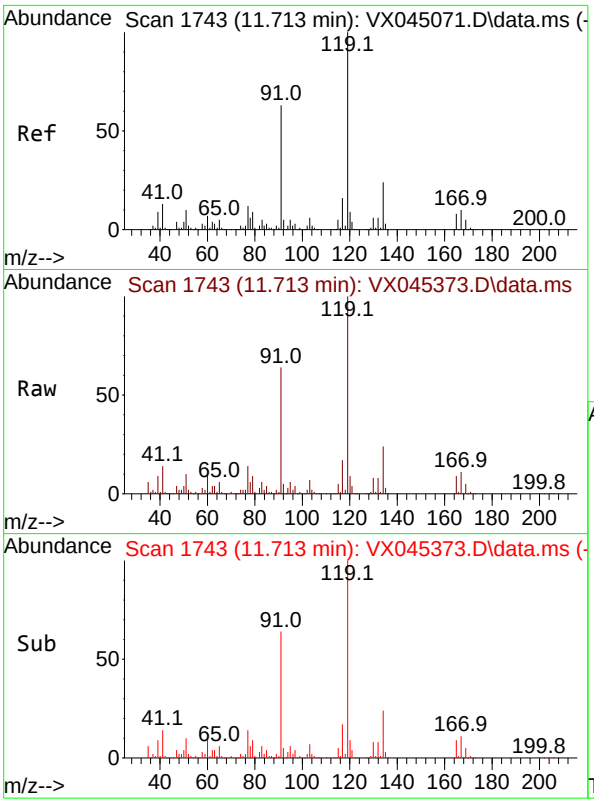


#82
4-Chlorotoluene
Concen: 50.140 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 91 Resp: 195160

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



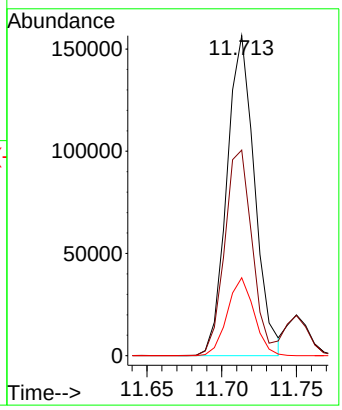


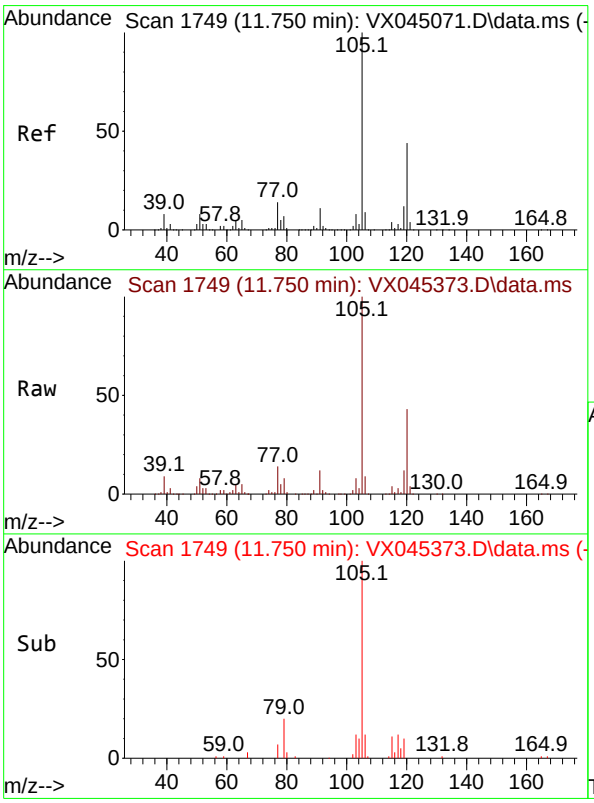
#83
tert-Butylbenzene
Concen: 48.993 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 202061

Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.7	92.1
134	23.4	11.7	35.0

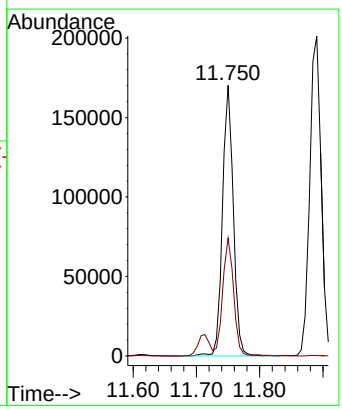


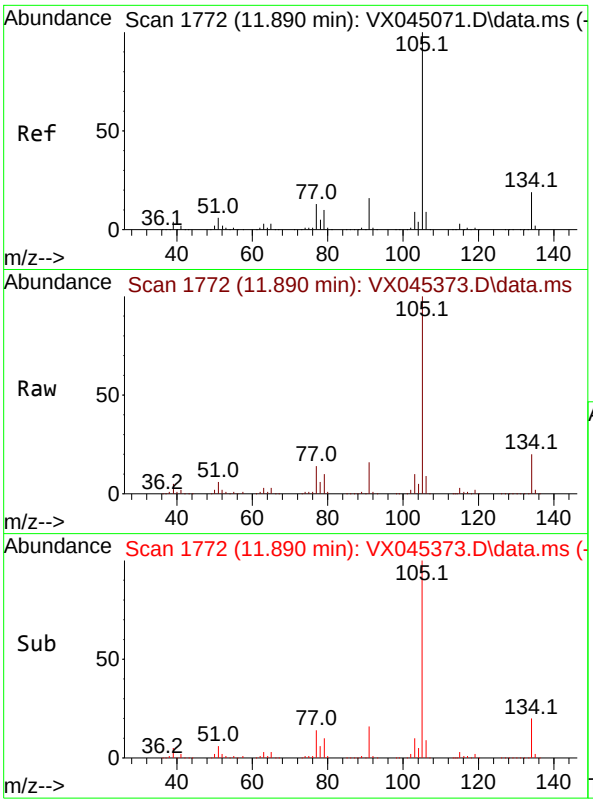


#84
1,2,4-Trimethylbenzene
Concen: 49.993 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:105 Resp: 201914

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



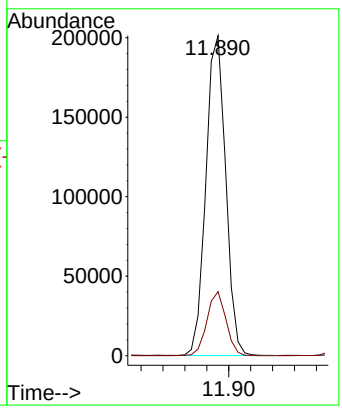


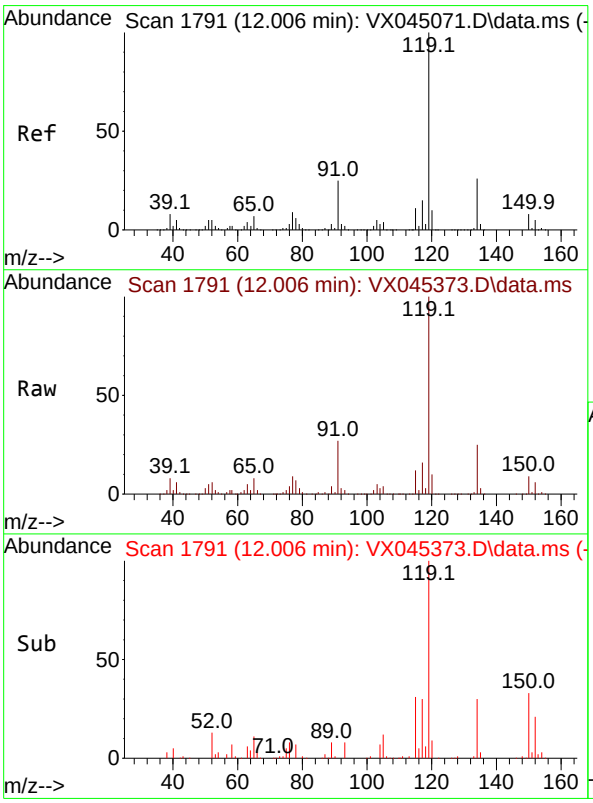
#85
sec-Butylbenzene
Concen: 51.032 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 252116

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

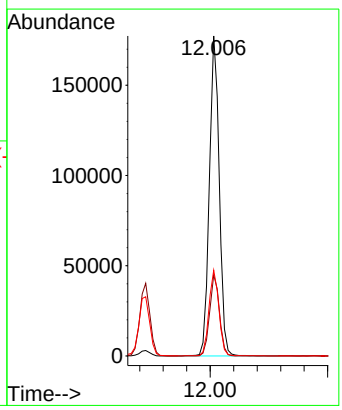


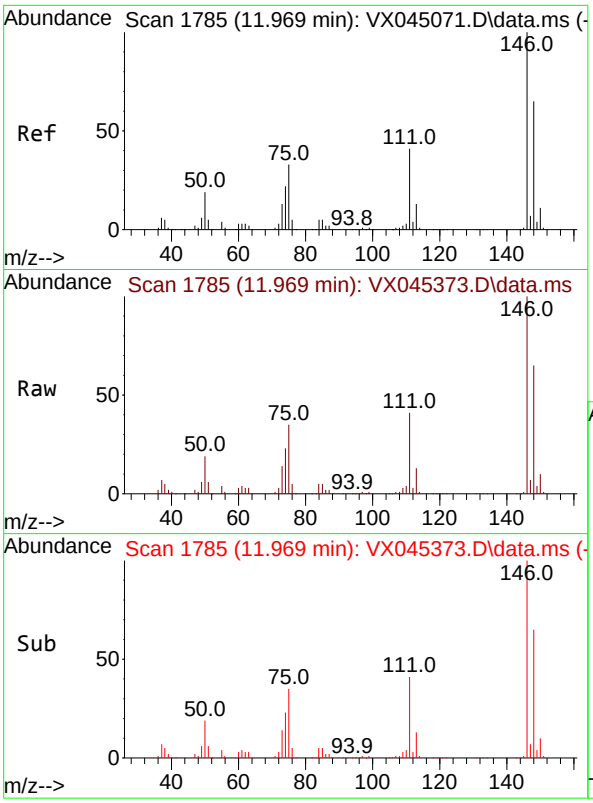


#86
p-Isopropyltoluene
Concen: 51.877 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:119 Resp: 207118

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	27.0	12.7	38.0



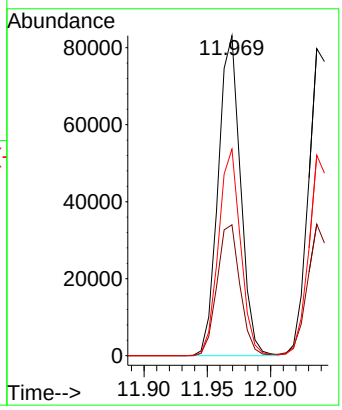


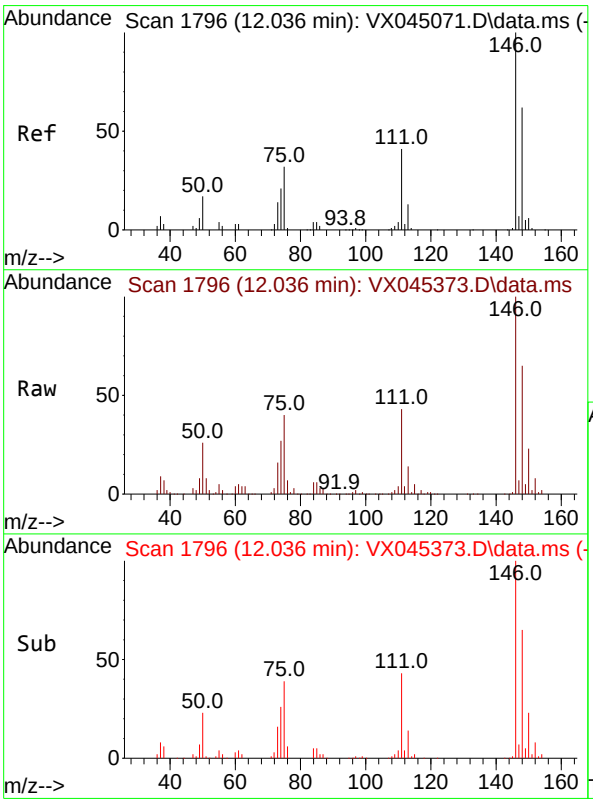
#87
1,3-Dichlorobenzene
Concen: 48.793 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 101952

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

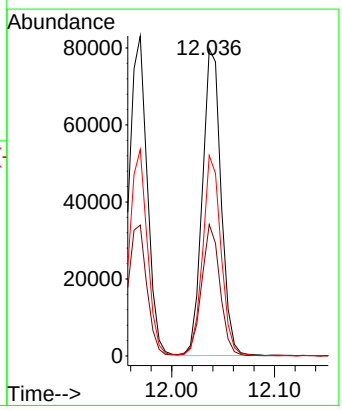


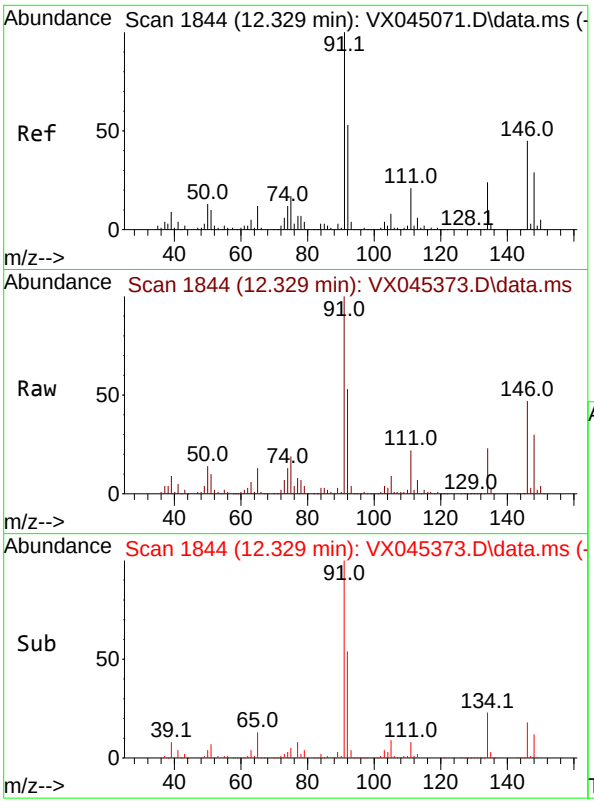


#88
1,4-Dichlorobenzene
Concen: 47.591 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:146 Resp: 100604

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.2	60.5
148	63.9	31.9	95.9



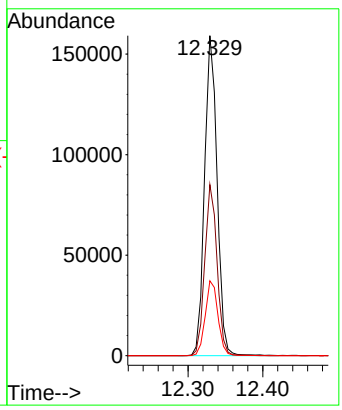


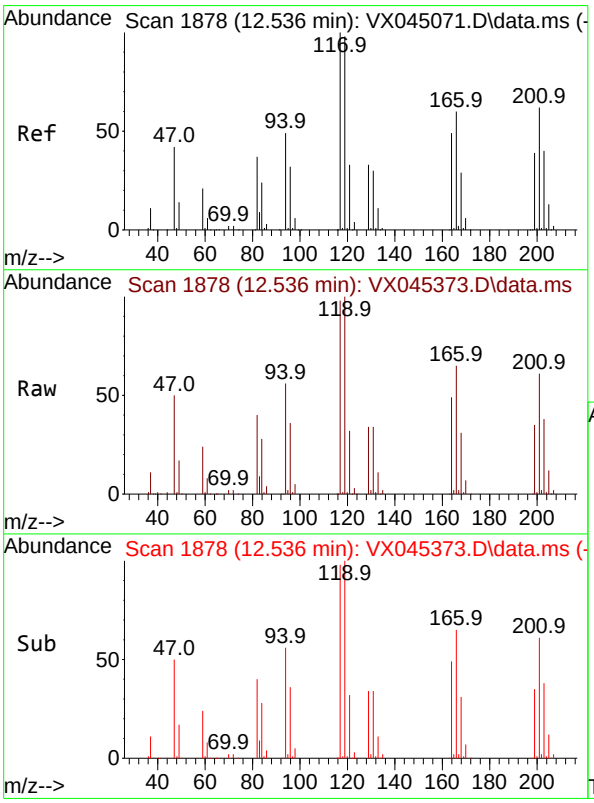
#89
n-Butylbenzene
Concen: 53.917 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 185400

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	23.8	12.2	36.6

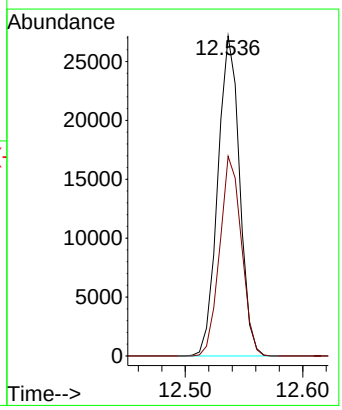


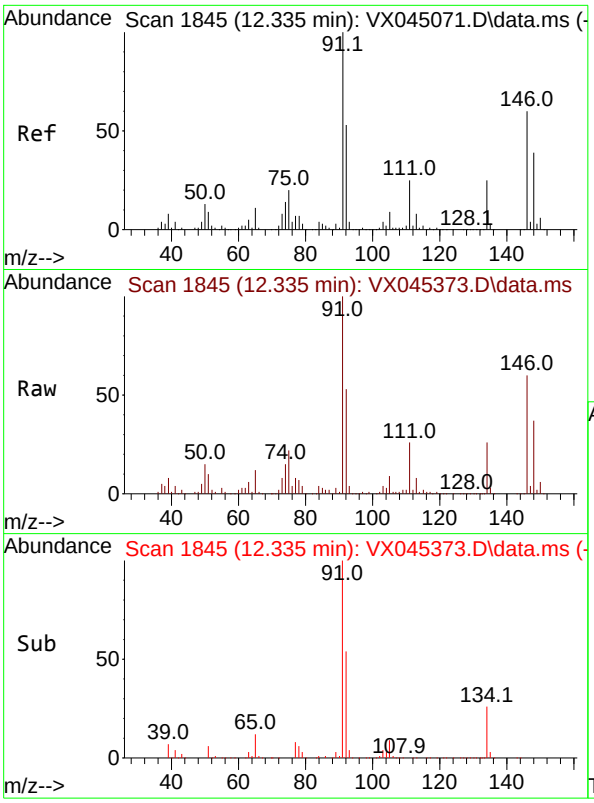


#90
Hexachloroethane
Concen: 48.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:117 Resp: 34950

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9



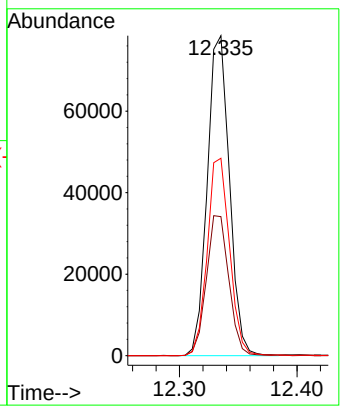


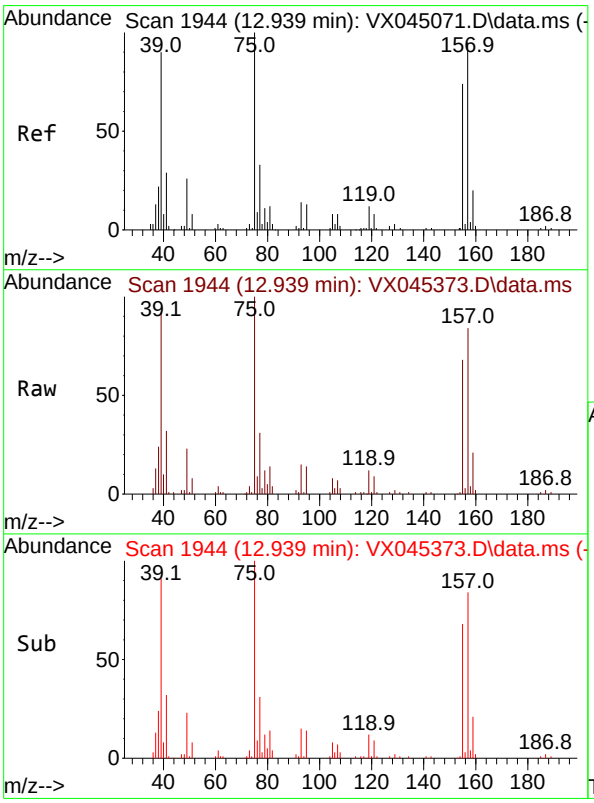
#91
1,2-Dichlorobenzene
Concen: 49.014 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 102736

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	65.0
148	62.3	31.9	95.9

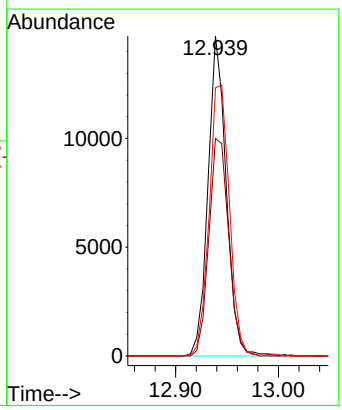


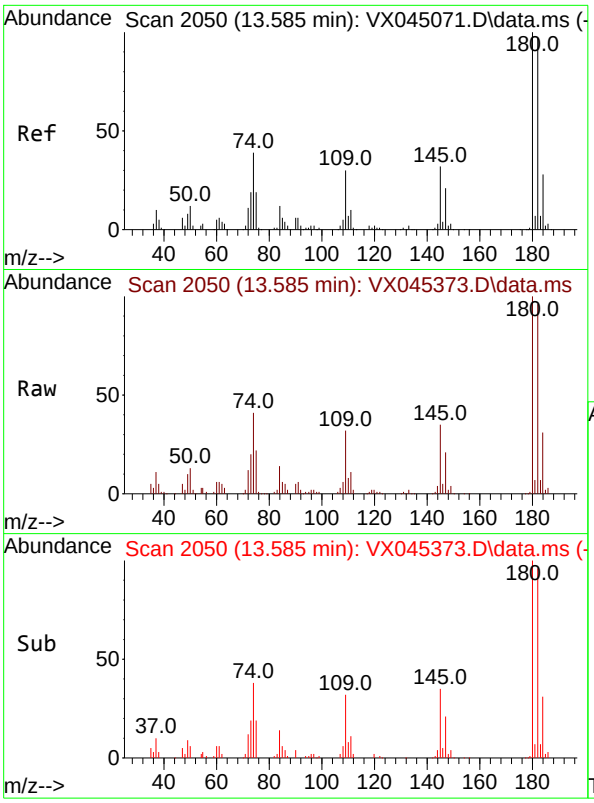


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.178 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion: 75 Resp: 18163

Ion	Ratio	Lower	Upper
75	100		
155	73.7	39.6	118.7
157	93.8	51.1	153.4



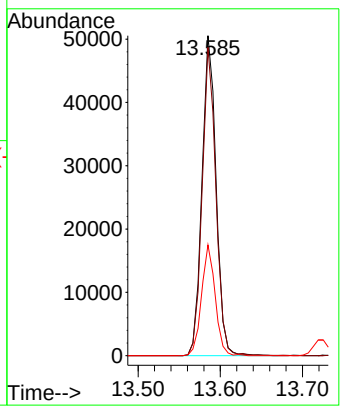


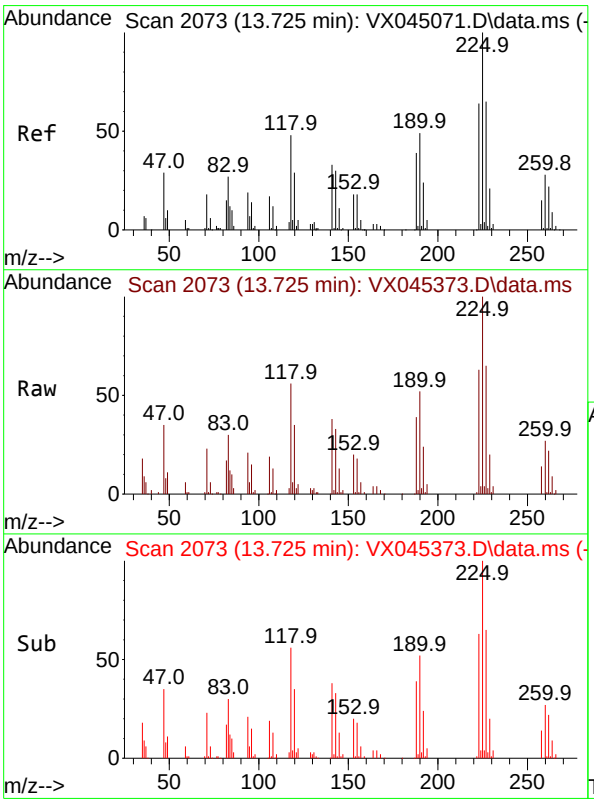
#93
1,2,4-Trichlorobenzene
Concen: 50.478 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 60246

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.6	16.3	48.9

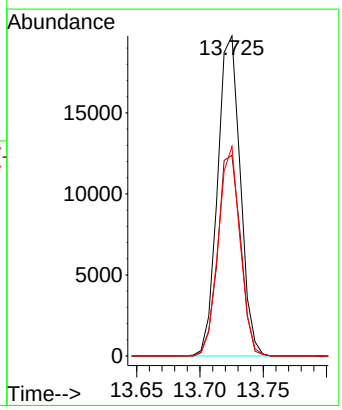


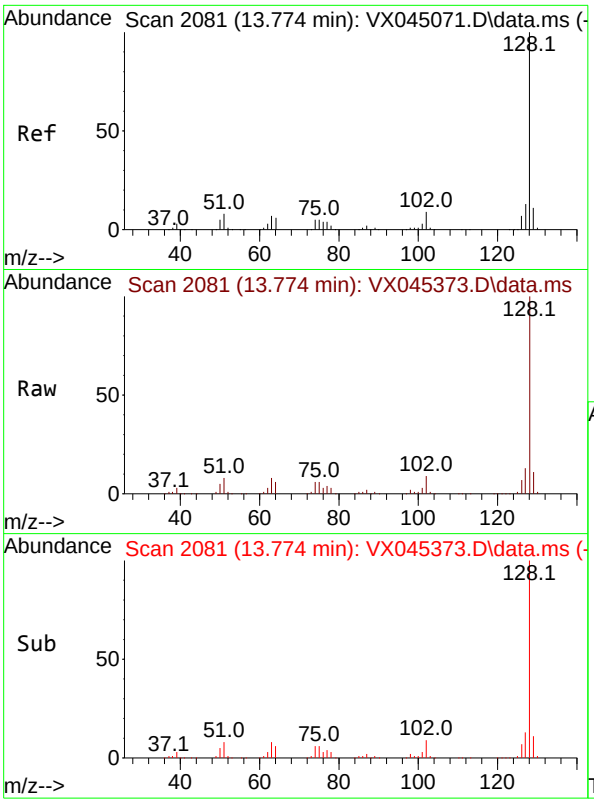


#94
Hexachlorobutadiene
Concen: 50.254 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:225 Resp: 24590

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.9	31.4	94.0



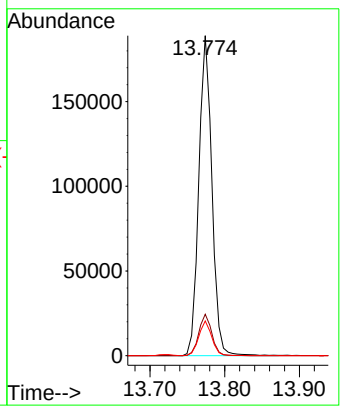


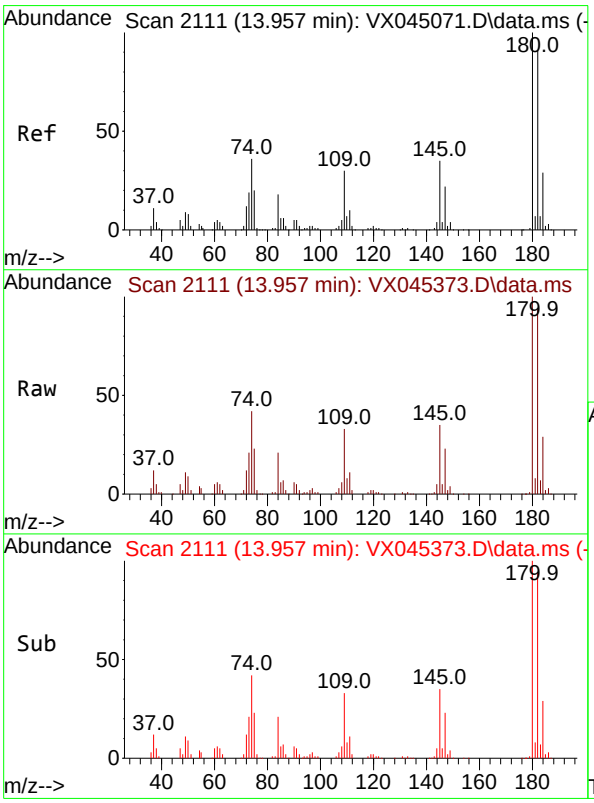
#95
Naphthalene
Concen: 49.996 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 229260

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

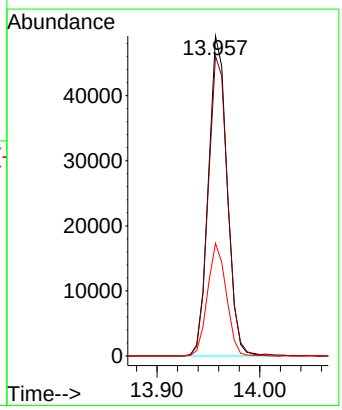




#96
1,2,3-Trichlorobenzene
Concen: 49.285 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045373.D
Acq: 20 Mar 2025 19:51

Tgt Ion:180 Resp: 62054

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	35.3	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	92791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	160605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79413	53.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	5.373	113	59186	55.112	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	8.646	98	201541	51.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.540%			
62) 4-Bromofluorobenzene	11.079	95	70360	54.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61468	52.626	ug/l	97
3) Chloromethane	1.306	50	63471	44.404	ug/l	95
4) Vinyl Chloride	1.373	62	64036	45.160	ug/l	98
5) Bromomethane	1.593	94	27995	50.221	ug/l	99
6) Chloroethane	1.660	64	30390	46.464	ug/l	97
7) Trichlorofluoromethane	1.867	101	96873	51.606	ug/l	98
8) Diethyl Ether	2.135	74	33633	45.807	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.312	101	64252	59.577	ug/l	99
10) Methyl Iodide	2.440	142	73240	54.343	ug/l	95
11) Tert butyl alcohol	2.989	59	63537	227.264	ug/l	98
12) 1,1-Dichloroethene	2.306	96	58618	51.410	ug/l	98
13) Acrolein	2.233	56	74499	230.519	ug/l	98
14) Allyl chloride	2.654	41	111653	55.012	ug/l	95
15) Acrylonitrile	3.062	53	200371	267.415	ug/l	100
16) Acetone	2.385	43	197839	288.897	ug/l	98
17) Carbon Disulfide	2.501	76	127332	41.928	ug/l	97
18) Methyl Acetate	2.702	43	115450	70.079	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	206541	53.992	ug/l	98
20) Methylene Chloride	2.782	84	68170	50.254	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	58005	51.494	ug/l	95
22) Diisopropyl ether	3.757	45	224386	54.361	ug/l	92
23) Vinyl Acetate	3.714	43	937999	272.307	ug/l	99
24) 1,1-Dichloroethane	3.598	63	123590	53.425	ug/l	100
25) 2-Butanone	4.556	43	282964	274.508	ug/l	97
26) 2,2-Dichloropropane	4.464	77	88812	81.849	ug/l	94
27) cis-1,2-Dichloroethene	4.476	96	74124	53.306	ug/l	93
28) Bromochloromethane	4.885	49	57779	52.401	ug/l	97
29) Tetrahydrofuran	5.001	42	176019	254.275	ug/l	99
30) Chloroform	5.080	83	126577	55.068	ug/l	98
31) Cyclohexane	5.458	56	102713	51.149	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	103105	55.539	ug/l	97
36) 1,1-Dichloropropene	5.683	75	79271	53.824	ug/l	99
37) Ethyl Acetate	4.708	43	102184	53.844	ug/l	100
38) Carbon Tetrachloride	5.665	117	87195	58.316	ug/l	99
39) Methylcyclohexane	7.372	83	100526	56.964	ug/l	98
40) Benzene	6.025	78	251470	54.071	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	60824	59.274	ug/l		99
42) 1,2-Dichloroethane	6.080	62	99960	59.688	ug/l		98
43) Isopropyl Acetate	6.336	43	158796	56.586	ug/l		99
44) Trichloroethene	7.116	130	58470	53.543	ug/l		99
45) 1,2-Dichloropropane	7.421	63	64849	54.233	ug/l		97
46) Dibromomethane	7.573	93	49192	58.204	ug/l		97
47) Bromodichloromethane	7.817	83	98390	59.351	ug/l		99
48) Methyl methacrylate	7.689	41	83186	59.086	ug/l		94
49) 1,4-Dioxane	7.659	88	27870	938.459	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	535400	284.145	ug/l		99
52) Toluene	8.713	92	151414	55.490	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86916	62.714	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	98708	61.078	ug/l		92
55) 1,1,2-Trichloroethane	9.146	97	61375	54.637	ug/l		98
56) Ethyl methacrylate	9.116	69	96944	56.775	ug/l		93
57) 1,3-Dichloropropane	9.305	76	106911	54.996	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	241784	290.277	ug/l		98
59) 2-Hexanone	9.427	43	394789	289.177	ug/l		98
60) Dibromochloromethane	9.518	129	69357	59.051	ug/l		99
61) 1,2-Dibromoethane	9.604	107	62209	55.474	ug/l		99
64) Tetrachloroethene	9.268	164	49823	56.573	ug/l		96
65) Chlorobenzene	10.073	112	163205	56.091	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	56003	57.796	ug/l		97
67) Ethyl Benzene	10.189	91	290458	57.291	ug/l		98
68) m/p-Xylenes	10.299	106	212125	114.295	ug/l		97
69) o-Xylene	10.640	106	103100	55.079	ug/l		96
70) Styrene	10.652	104	174503	57.615	ug/l		98
71) Bromoform	10.798	173	43497	59.529	ug/l	#	99
73) Isopropylbenzene	10.957	105	277512	56.299	ug/l		99
74) N-amyl acetate	10.841	43	130246	56.311	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	95947	53.043	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	102030	69.413	ug/l		85
77) Bromobenzene	11.195	156	62556	53.787	ug/l		96
78) n-propylbenzene	11.298	91	325584	58.471	ug/l		99
79) 2-Chlorotoluene	11.359	91	191329	53.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	225866	56.669	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	26280	61.185	ug/l		93
82) 4-Chlorotoluene	11.451	91	217941	56.390	ug/l		99
83) tert-Butylbenzene	11.713	119	225635	55.097	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	226630	56.511	ug/l		99
85) sec-Butylbenzene	11.890	105	290816	59.284	ug/l		99
86) p-Isopropyltoluene	12.006	119	235736	59.464	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	113122	54.523	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113332	53.992	ug/l		98
89) n-Butylbenzene	12.329	91	216299	63.349	ug/l		99
90) Hexachloroethane	12.536	117	42009	58.585	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	113769	54.663	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20643	58.578	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	69410	58.569	ug/l		98
94) Hexachlorobutadiene	13.725	225	30098	61.947	ug/l		99
95) Naphthalene	13.774	128	257595	56.574	ug/l		100
96) 1,2,3-Trichlorobenzene	13.962	180	73755	58.994	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

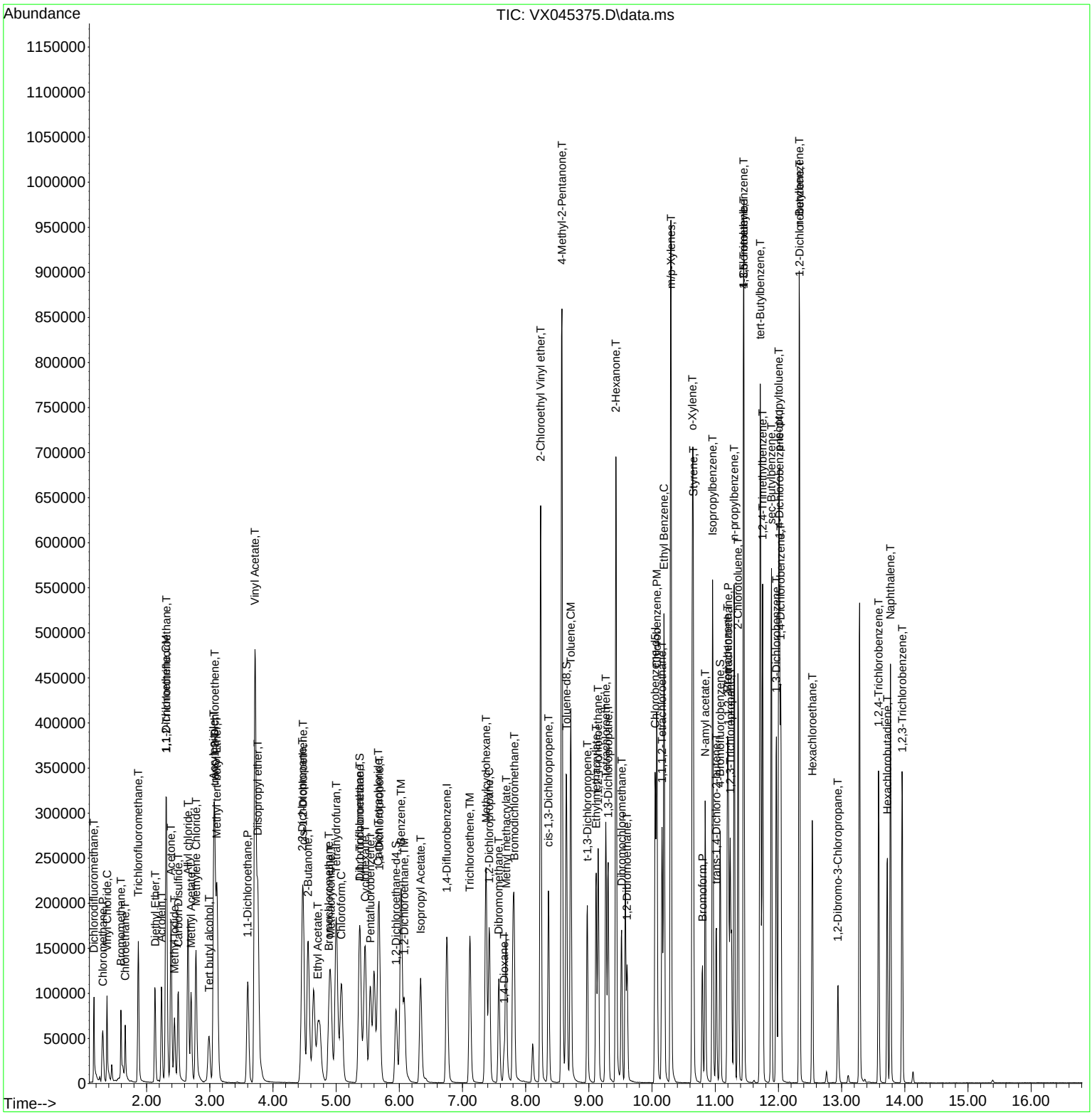
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

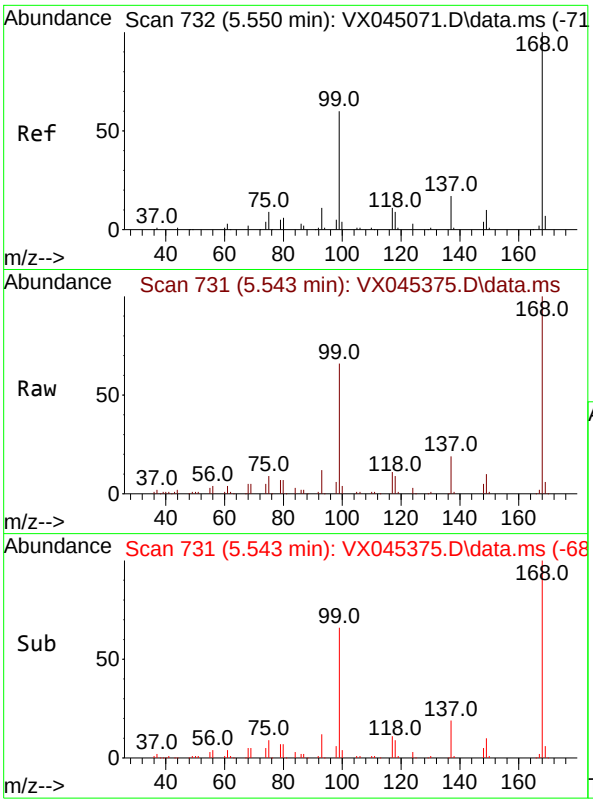
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045375.D
Acq On : 21 Mar 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Mar 21 23:09:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



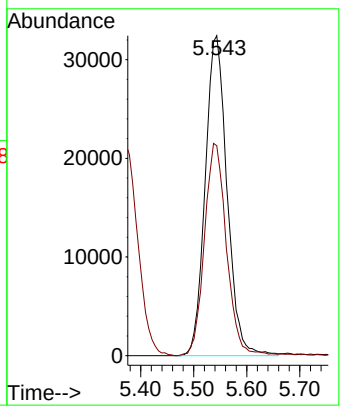


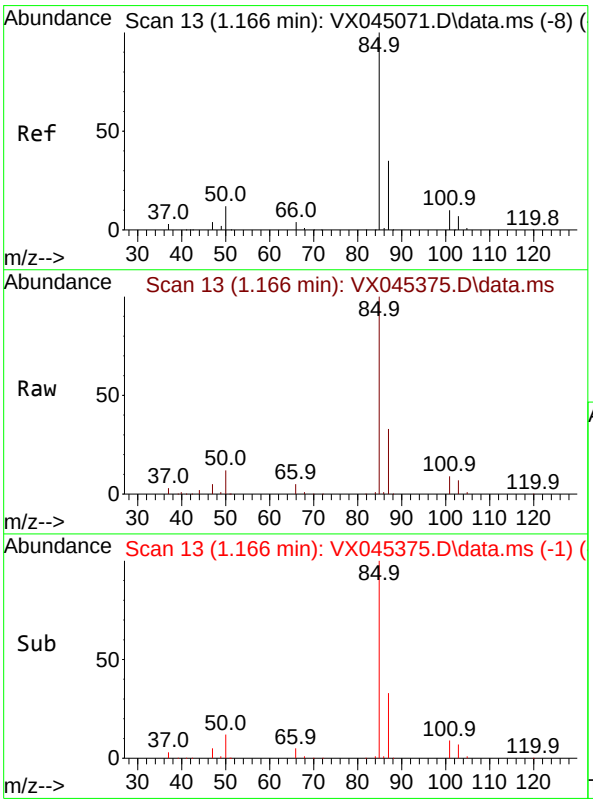
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 92791

Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4

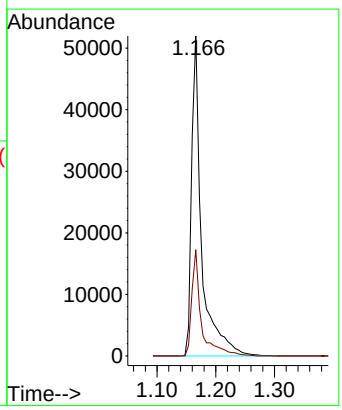


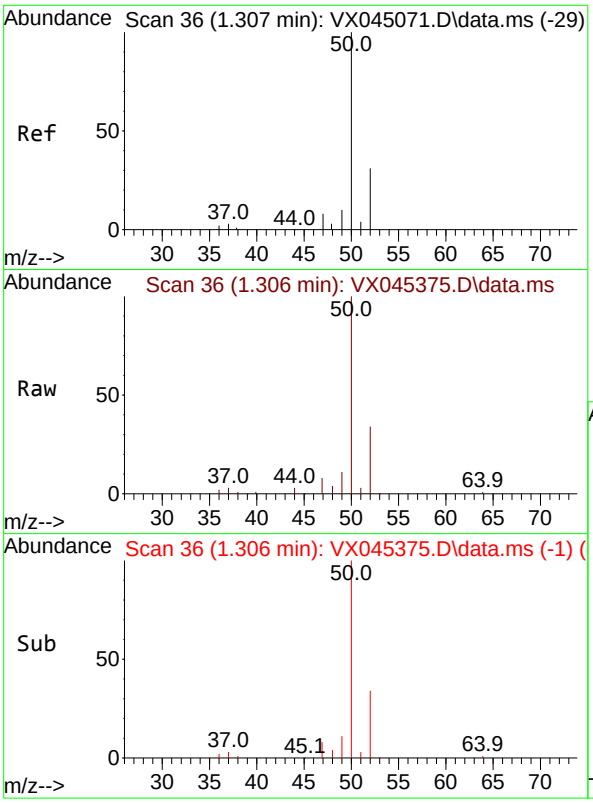


#2
Dichlorodifluoromethane
Concen: 52.626 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 85 Resp: 61468

Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.4	52.3



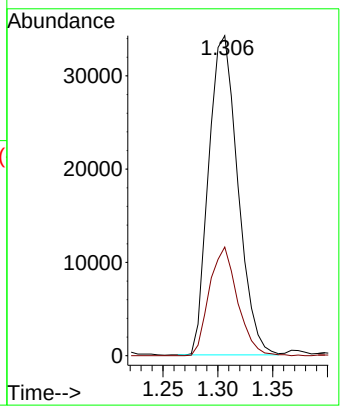


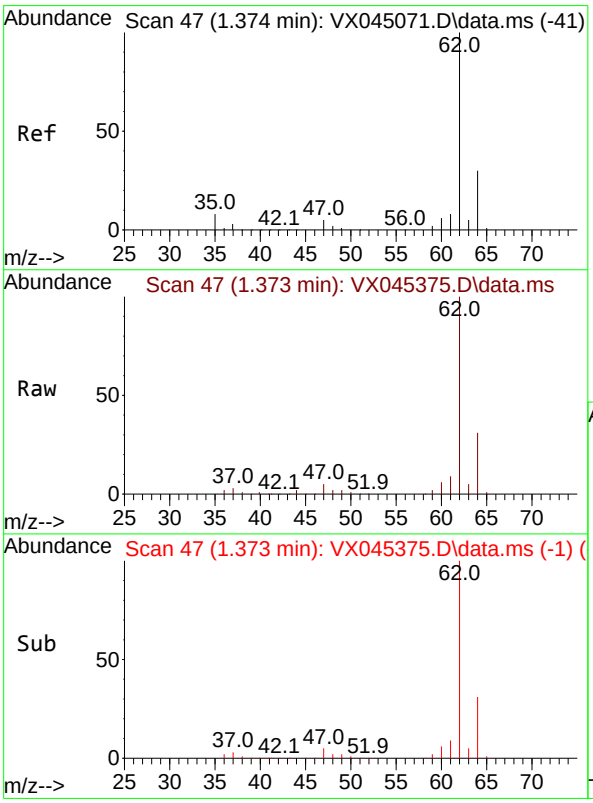
#3
Chloromethane
Concen: 44.404 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 63471

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.0	37.4

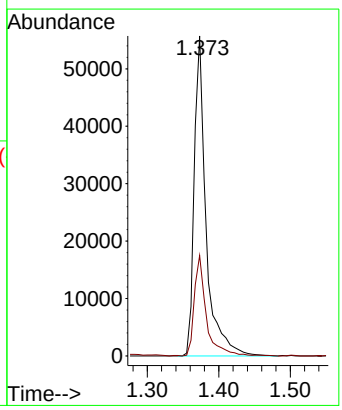


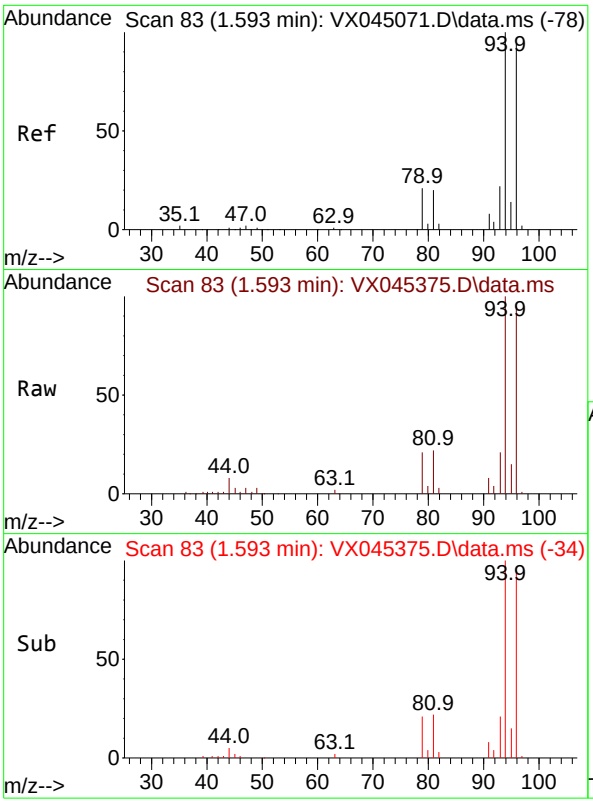


#4
Vinyl Chloride
Concen: 45.160 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 64036

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



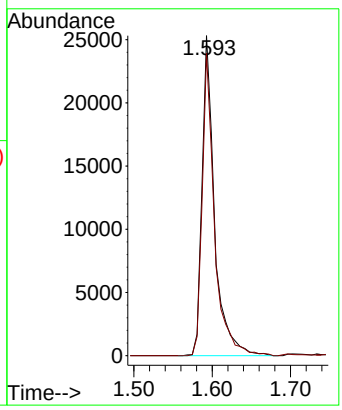


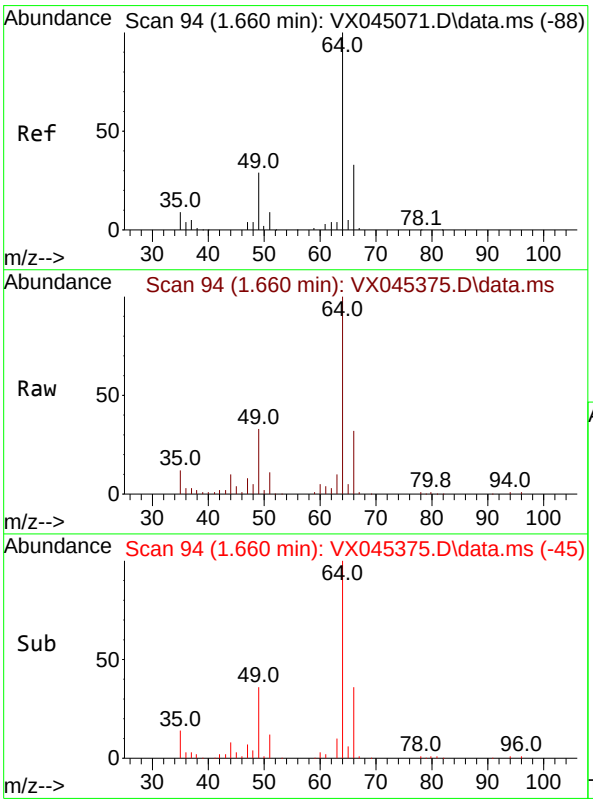
#5
Bromomethane
Concen: 50.221 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 27995

Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.4

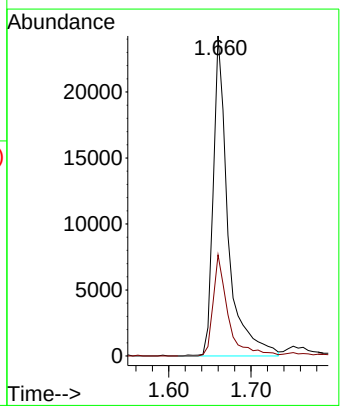


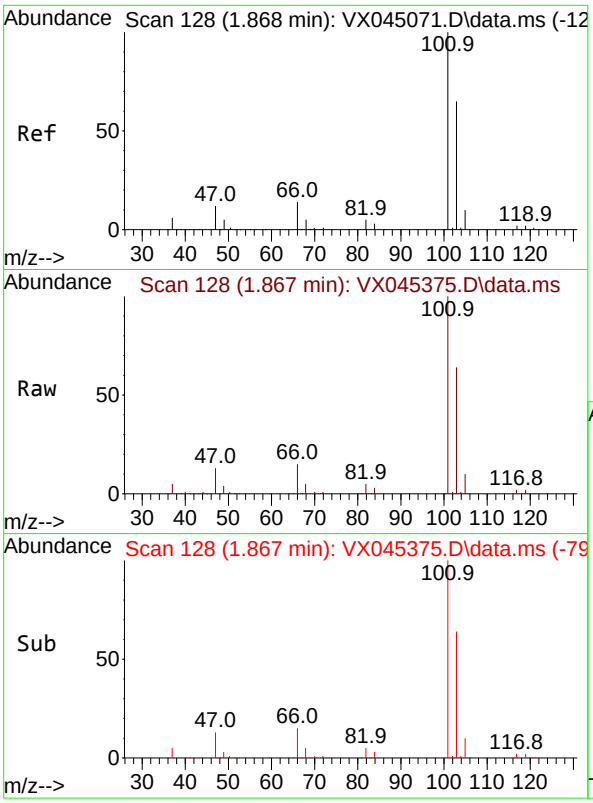


#6
Chloroethane
Concen: 46.464 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 64 Resp: 30390

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1



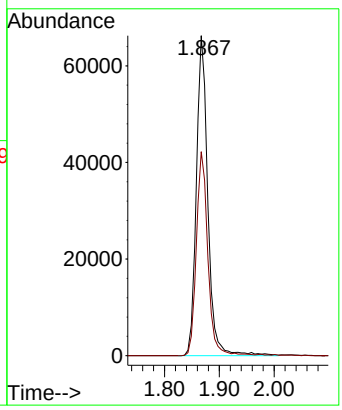


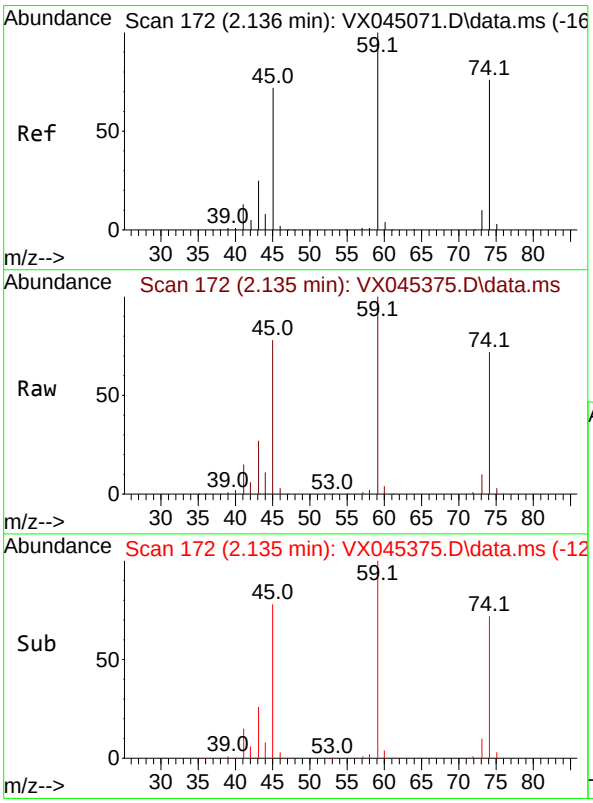
#7
Trichlorofluoromethane
Concen: 51.606 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96873

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

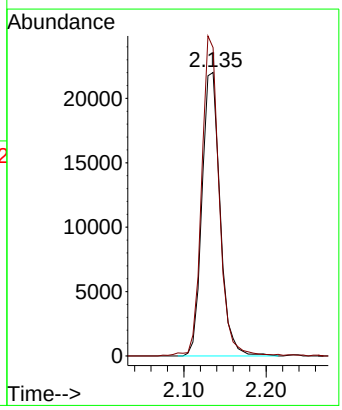


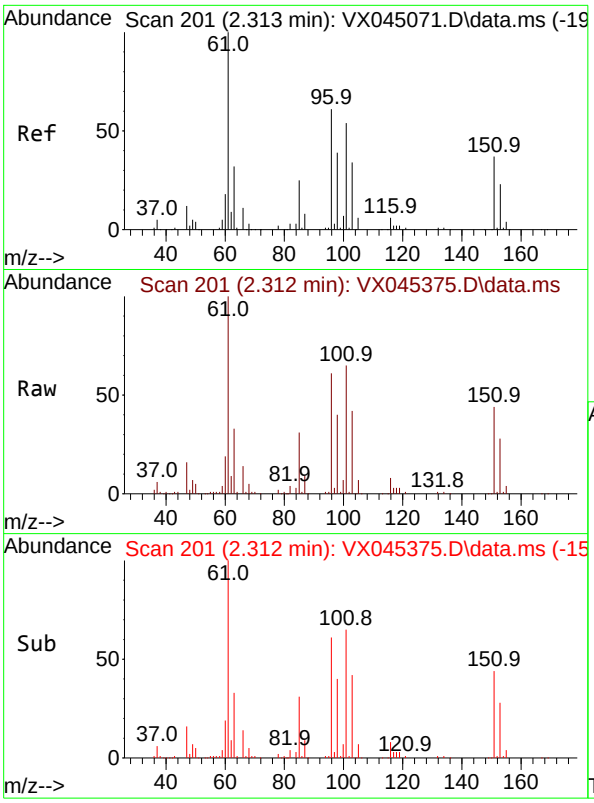


#8
Diethyl Ether
Concen: 45.807 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 74 Resp: 33633

Ion	Ratio	Lower	Upper
74	100		
45	110.0	51.5	154.5



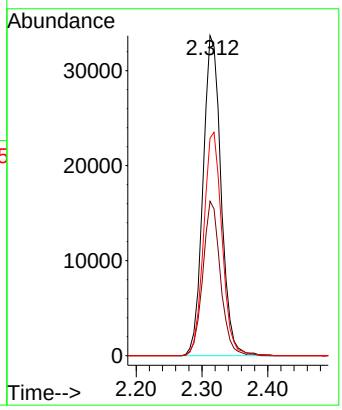


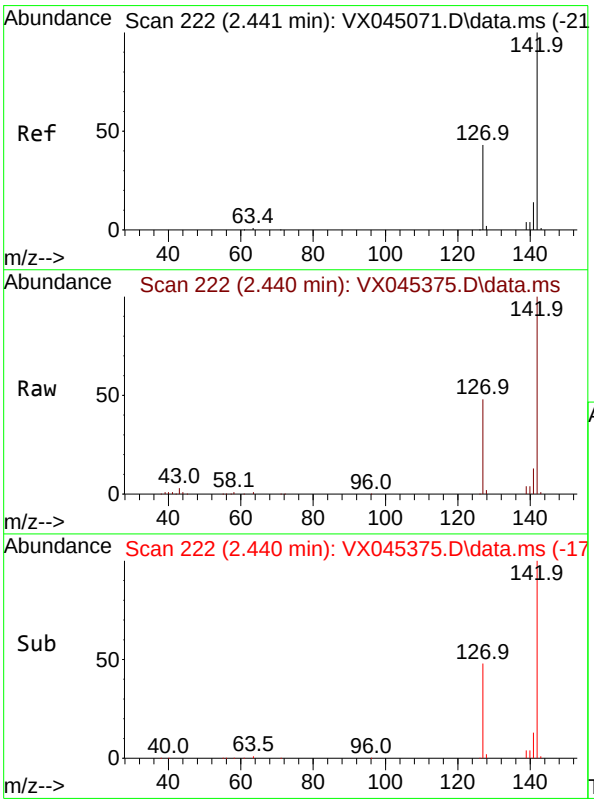
#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.577 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 64252

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	70.8	56.4	84.6

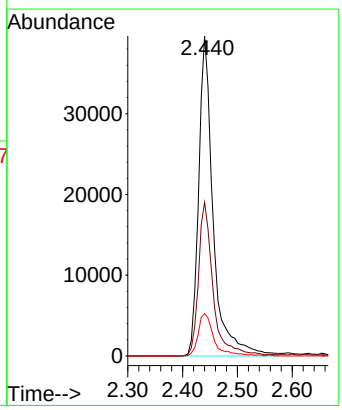


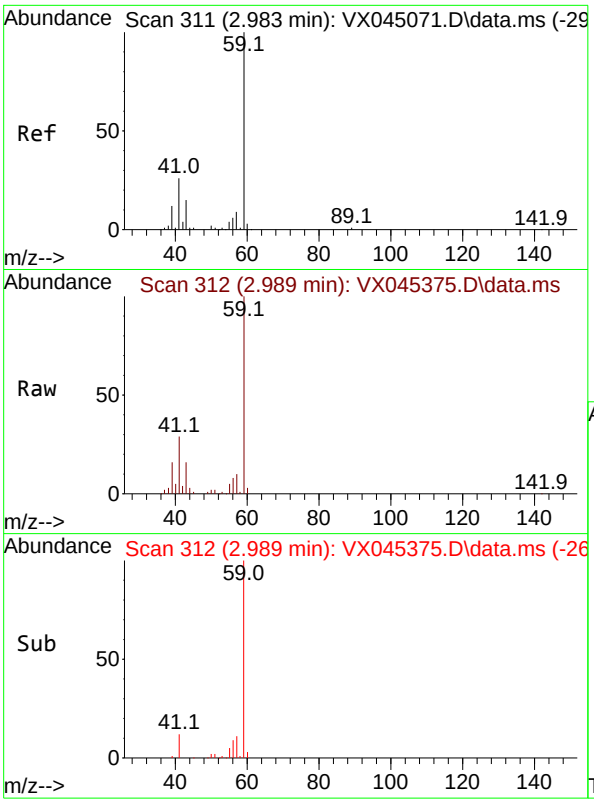


#10
Methyl Iodide
Concen: 54.343 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:142 Resp: 73240

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.4	53.2
141	14.4	11.6	17.4



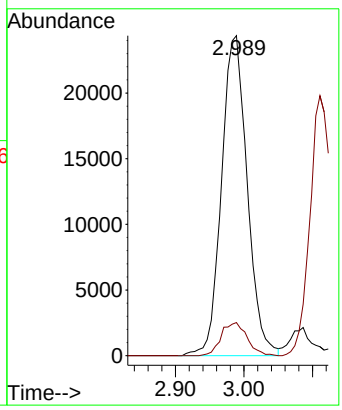


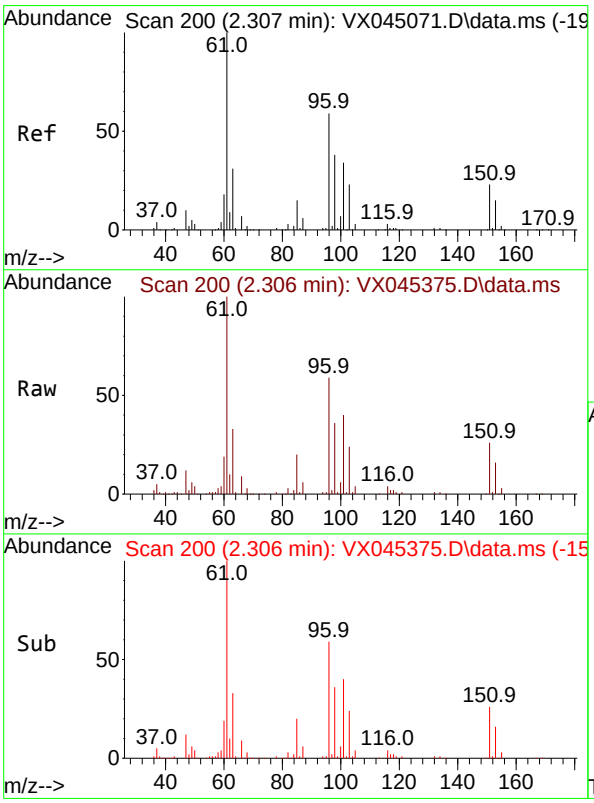
#11
Tert butyl alcohol
Concen: 227.264 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 63537

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

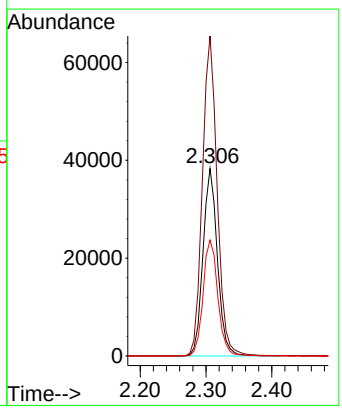


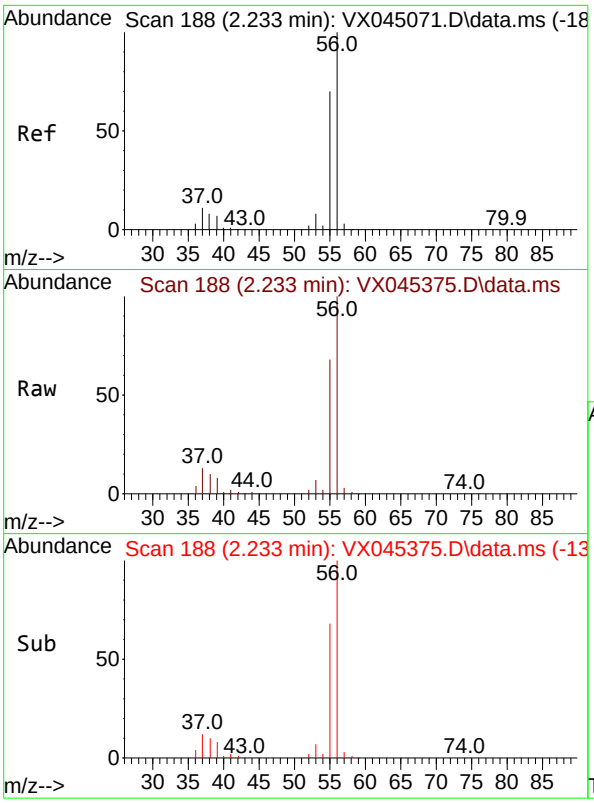


#12
1,1-Dichloroethene
Concen: 51.410 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 96 Resp: 58618

Ion	Ratio	Lower	Upper
96	100		
61	170.6	134.6	202.0
98	61.7	51.0	76.6



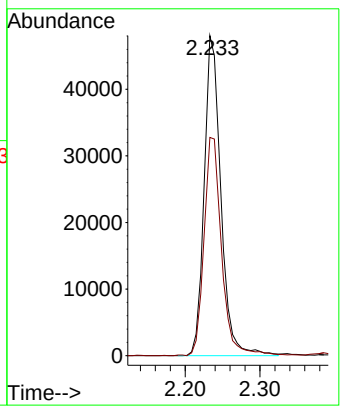


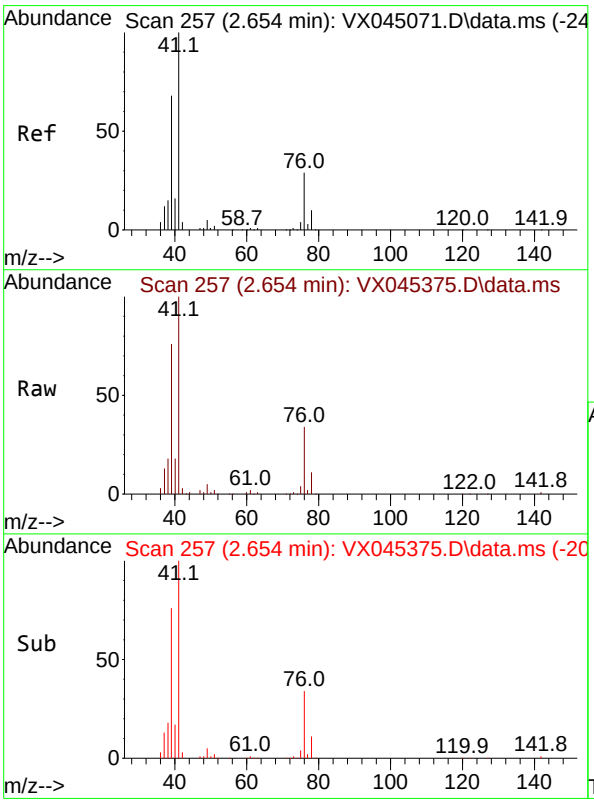
#13
Acrolein
Concen: 230.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 74499

Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.2	84.4

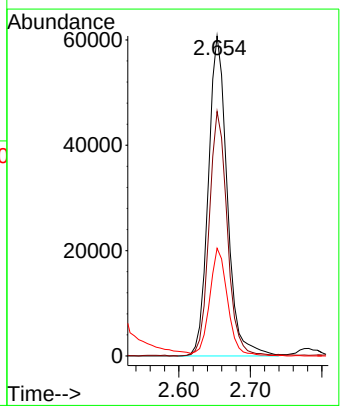


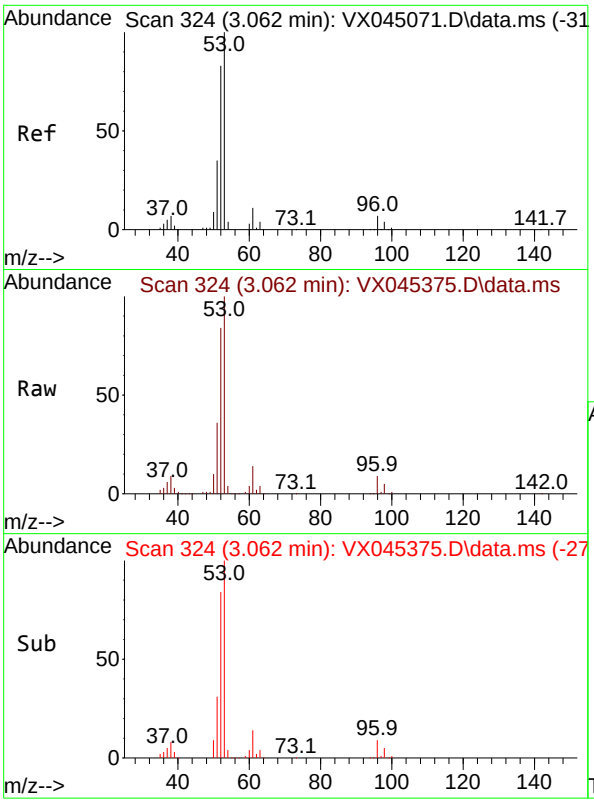


#14
Allyl chloride
Concen: 55.012 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 111653

Ion	Ratio	Lower	Upper
41	100		
39	73.2	53.8	80.8
76	32.0	25.2	37.8



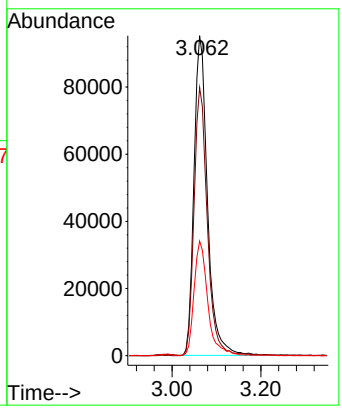


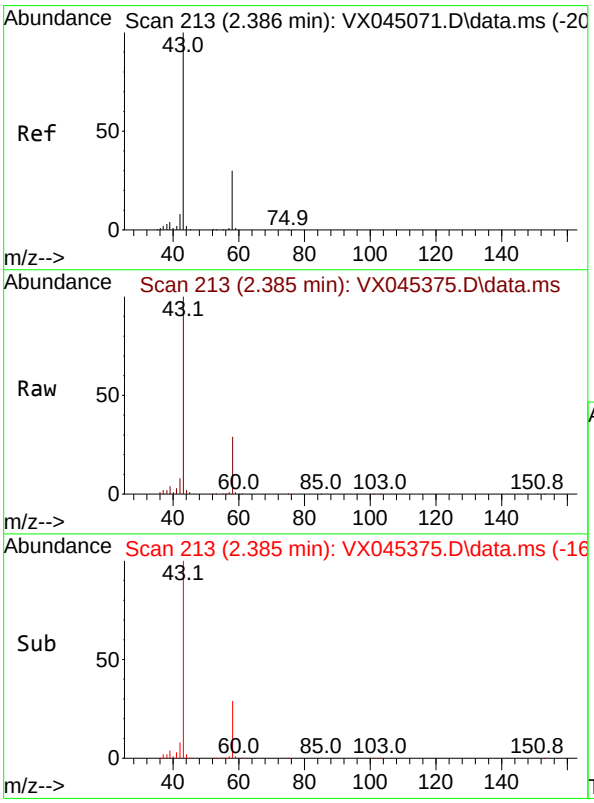
#15
Acrylonitrile
Concen: 267.415 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 200371

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.4	29.0	43.4

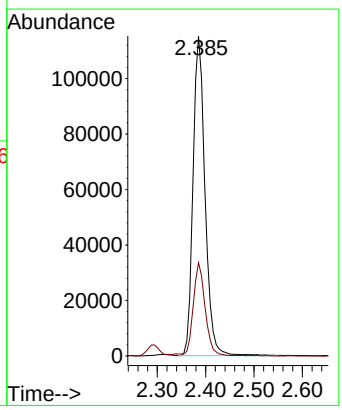


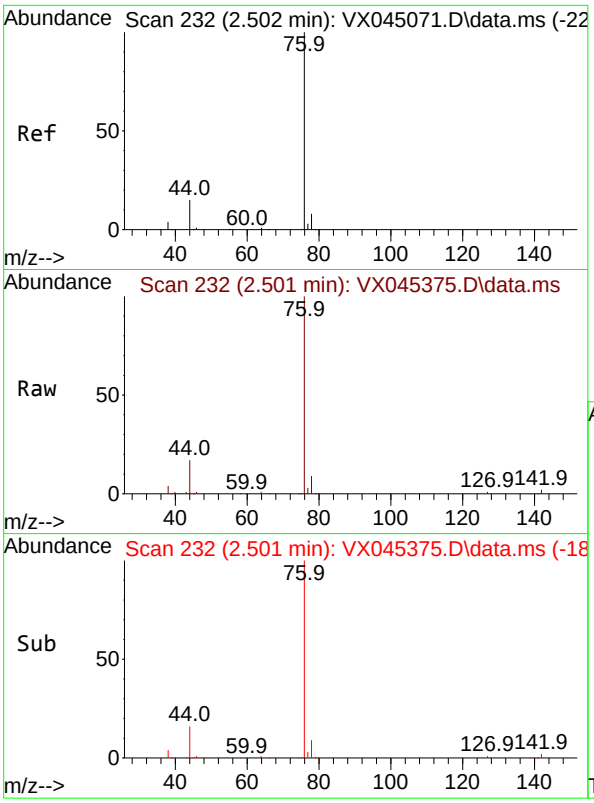


#16
Acetone
Concen: 288.897 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 197839

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4



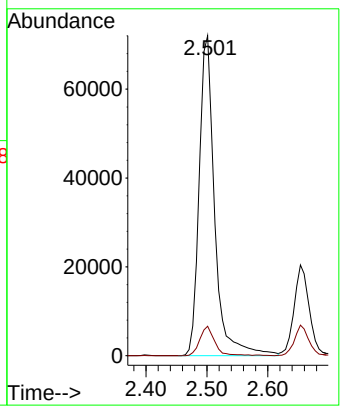


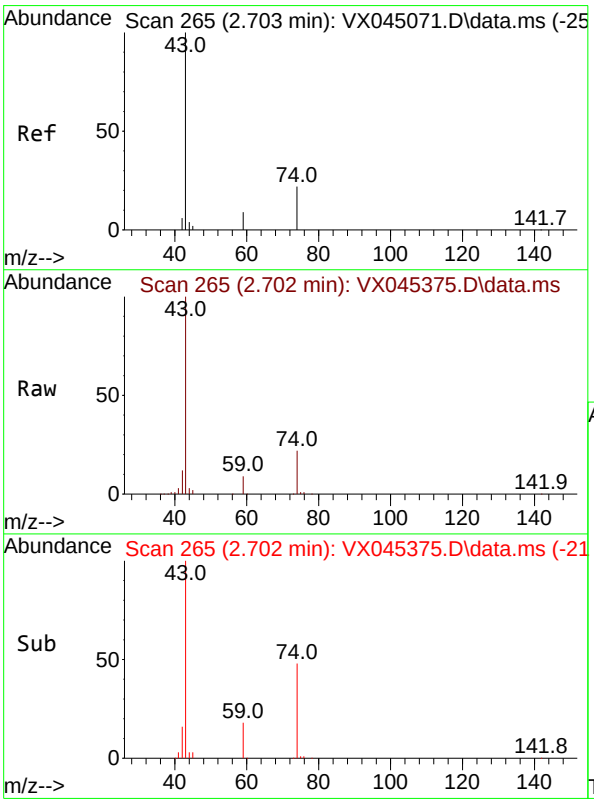
#17
Carbon Disulfide
Concen: 41.928 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 127332

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8

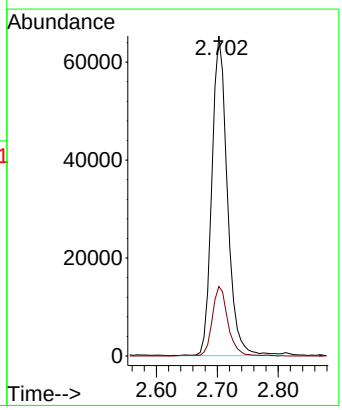


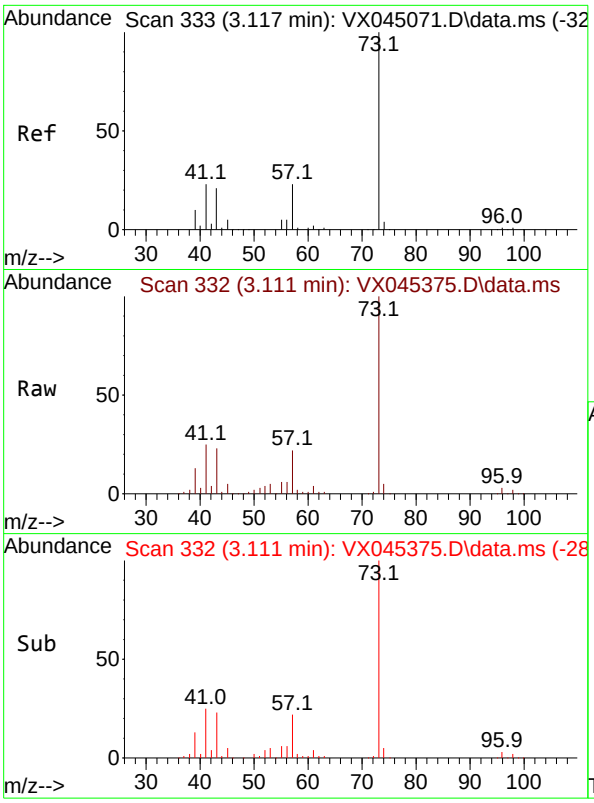


#18
Methyl Acetate
Concen: 70.079 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 115450

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2



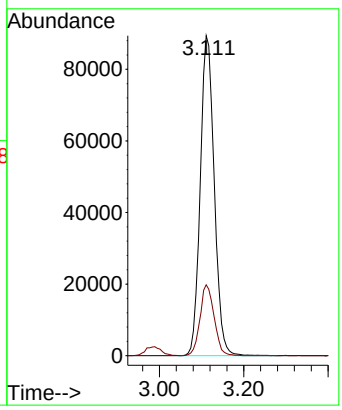


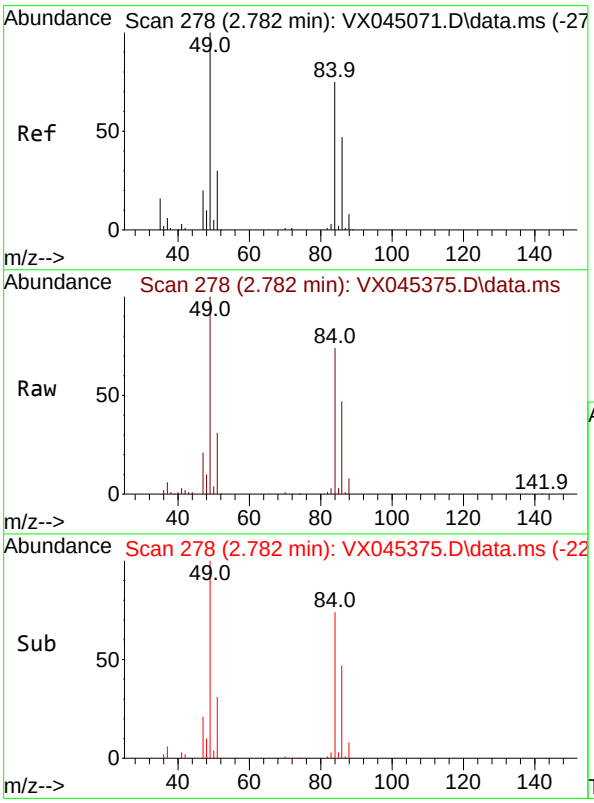
#19
Methyl tert-butyl Ether
Concen: 53.992 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 206541

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

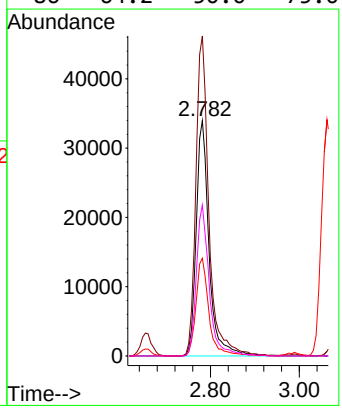


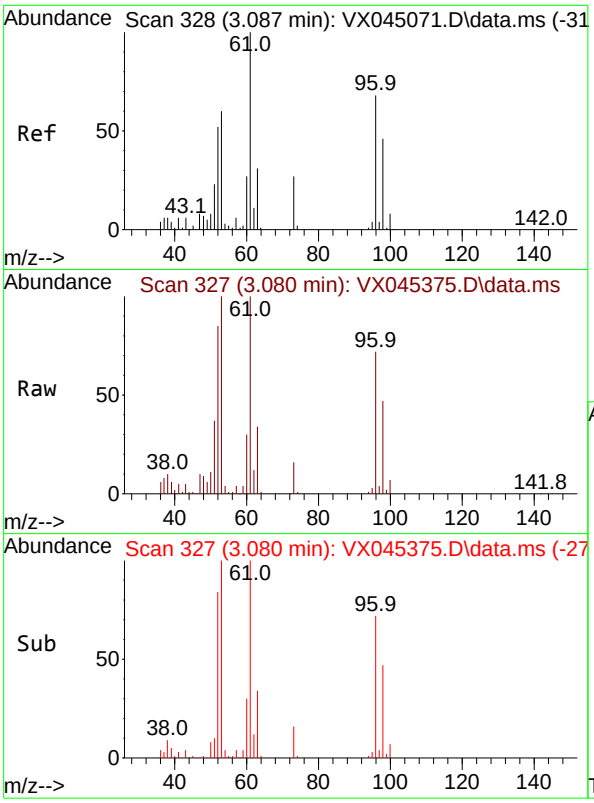


#20
Methylene Chloride
Concen: 50.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 84 Resp: 68170

Ion	Ratio	Lower	Upper
84	100		
49	136.0	106.5	159.7
51	41.5	32.1	48.1
86	64.2	50.0	75.0



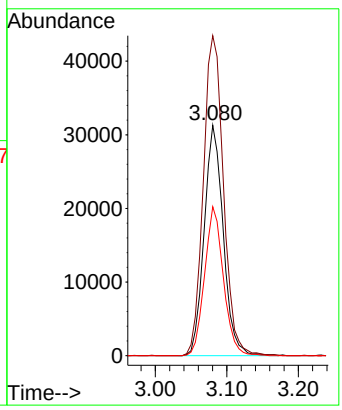


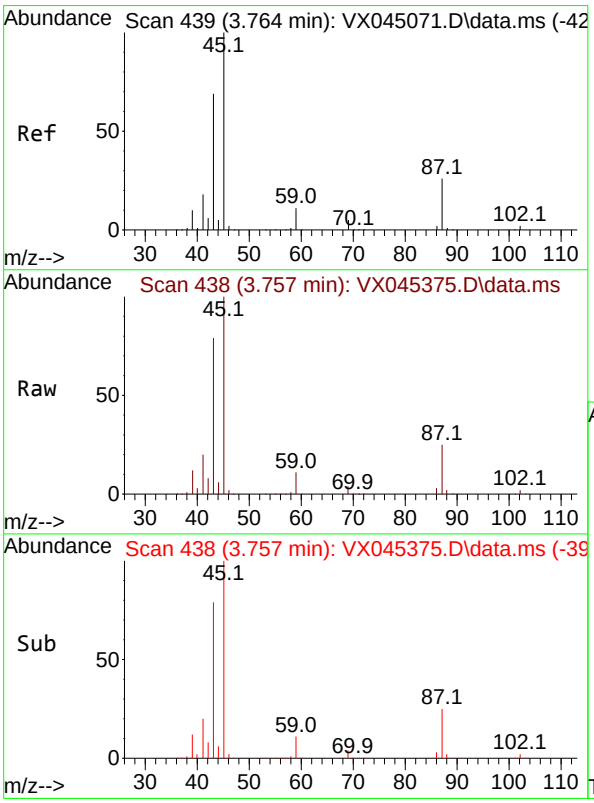
#21
trans-1,2-Dichloroethene
Concen: 51.494 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 58005

Ion	Ratio	Lower	Upper
96	100		
61	138.8	117.0	175.4
98	64.6	53.4	80.2

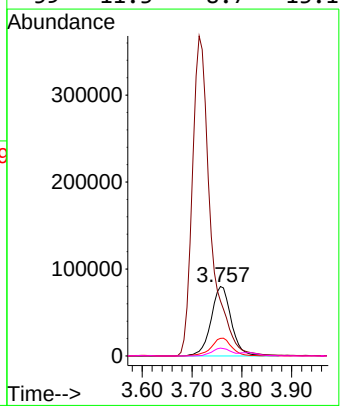


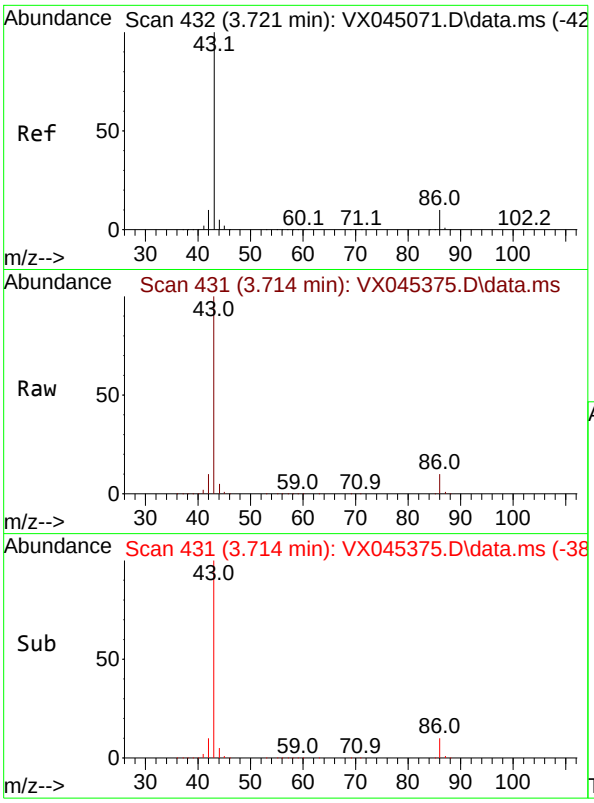


#22
Diisopropyl ether
Concen: 54.361 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 45 Resp: 224386

Ion	Ratio	Lower	Upper
45	100		
43	78.4	54.9	82.3
87	25.4	21.0	31.4
59	11.3	8.7	13.1



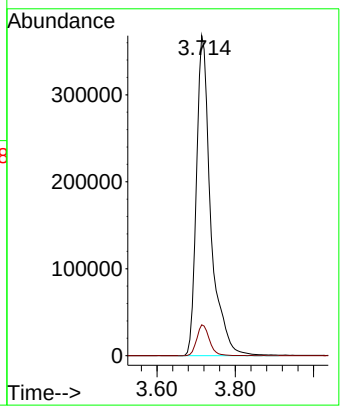


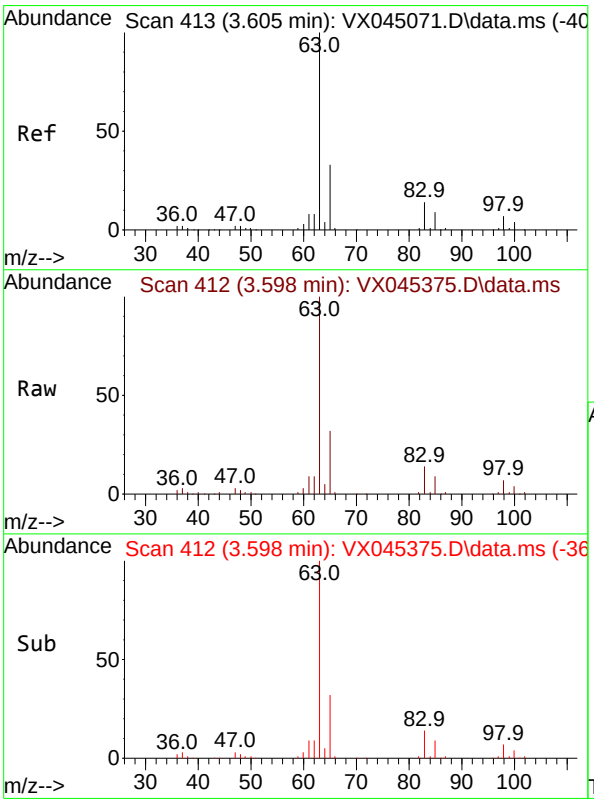
#23
Vinyl Acetate
Concen: 272.307 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 937999

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

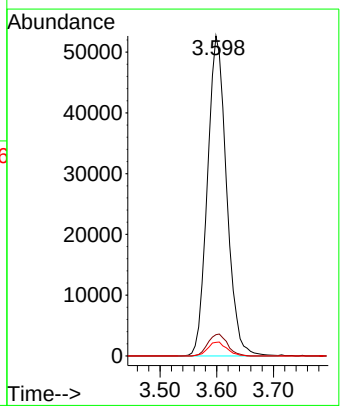


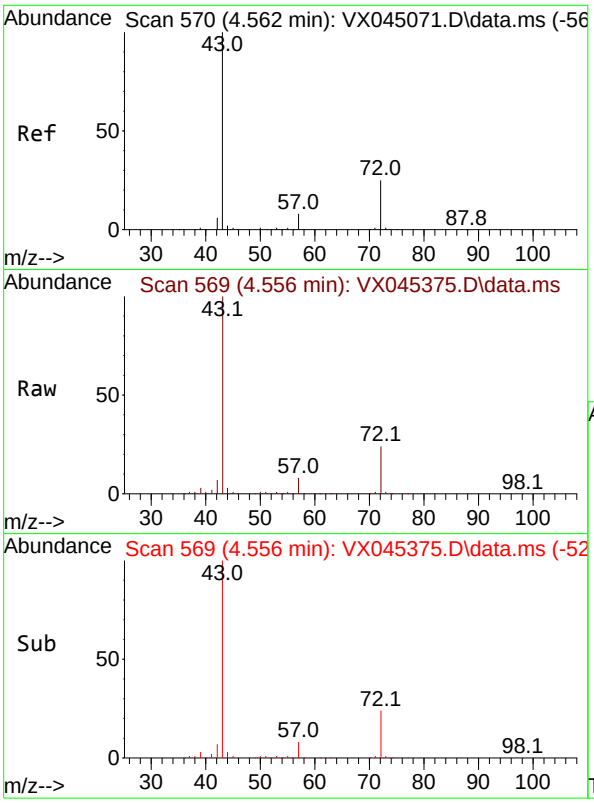


#24
1,1-Dichloroethane
Concen: 53.425 ug/l
RT: 3.598 min Scan# 412
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 123590

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.2	2.1	6.5



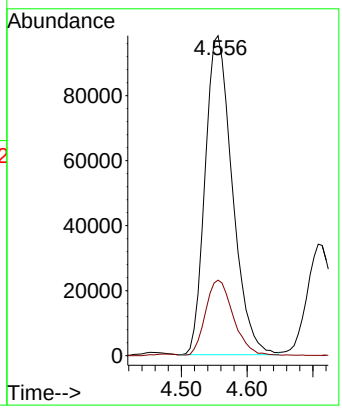


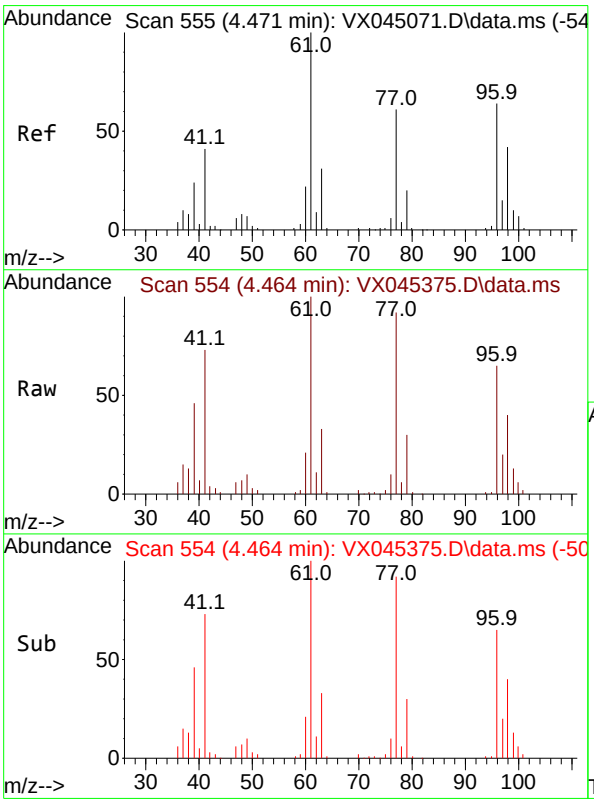
#25
2-Butanone
Concen: 274.508 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 282964

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.0	30.0

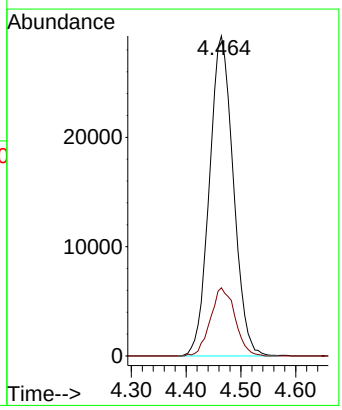


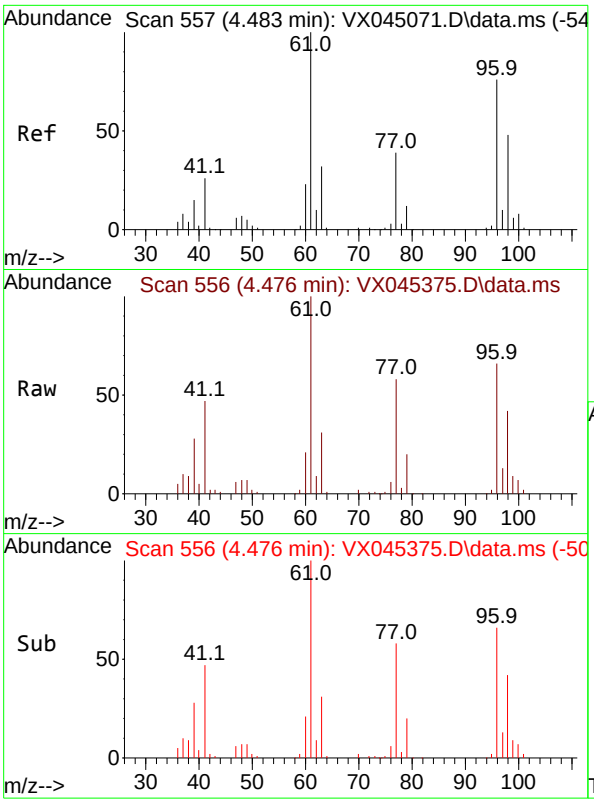


#26
2,2-Dichloropropane
Concen: 81.849 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 77 Resp: 88812

Ion	Ratio	Lower	Upper
77	100		
97	21.9	12.4	37.0



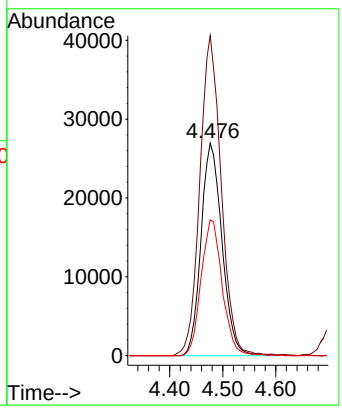


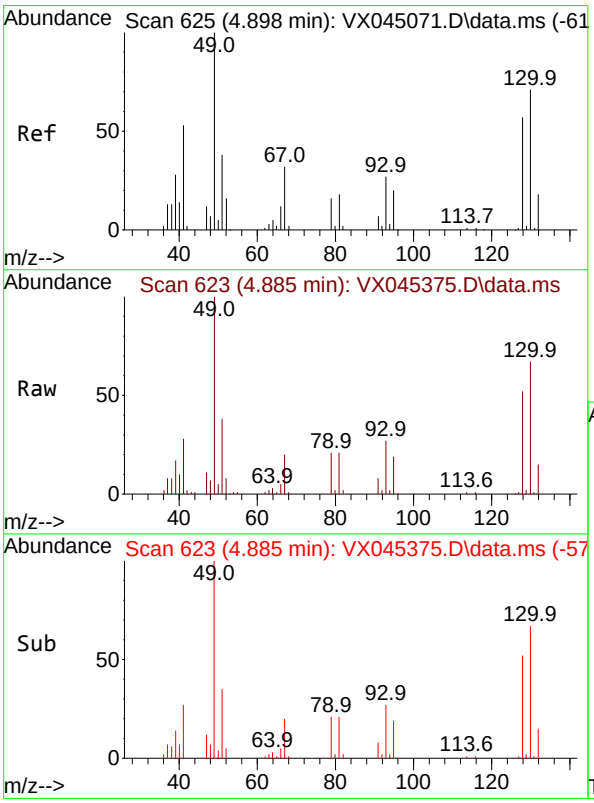
#27
cis-1,2-Dichloroethene
Concen: 53.306 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 74124

Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	283.2
98	64.2	0.0	128.0

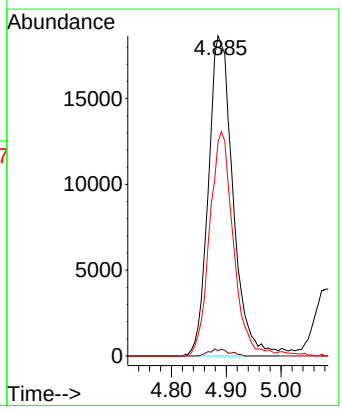


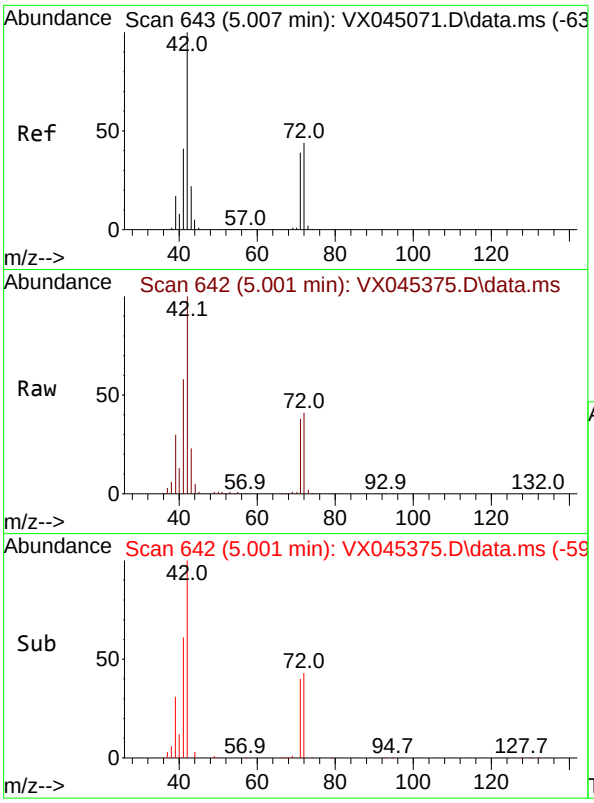


#28
Bromochloromethane
Concen: 52.401 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 49 Resp: 57779

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	67.9	56.1	84.1



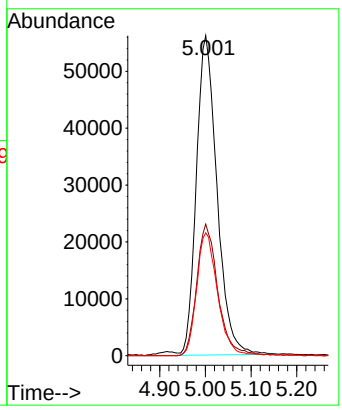


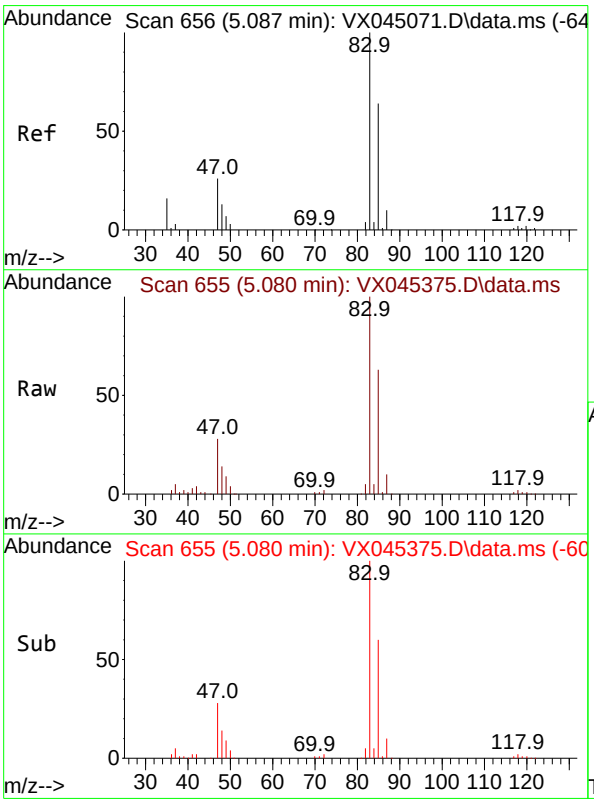
#29
Tetrahydrofuran
Concen: 254.275 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 176019

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

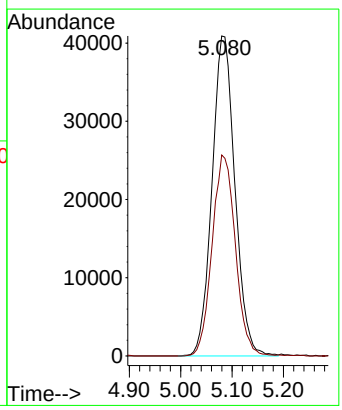


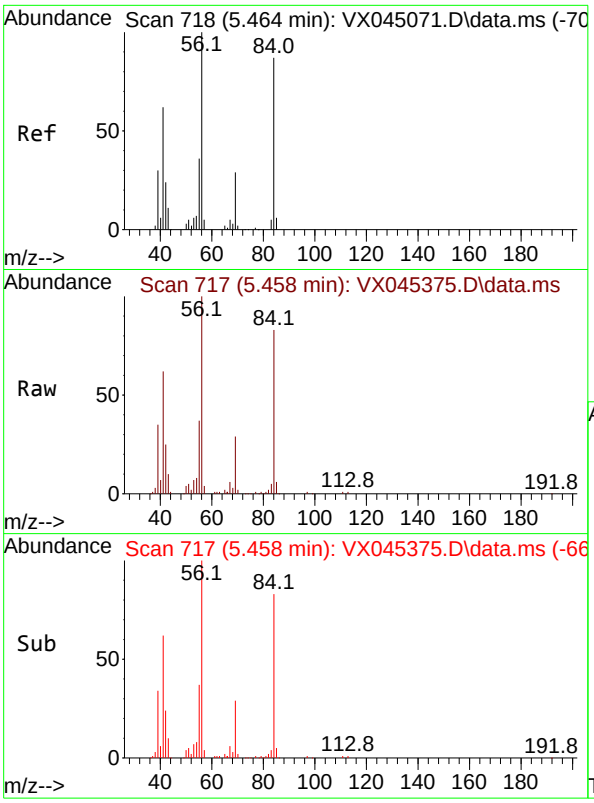


#30
Chloroform
Concen: 55.068 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 83 Resp: 126577

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2



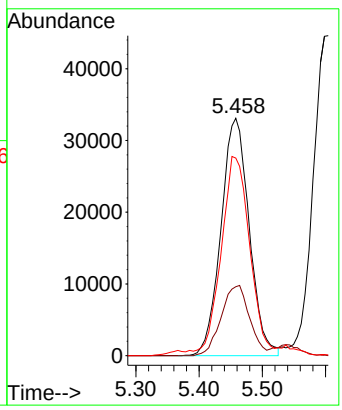


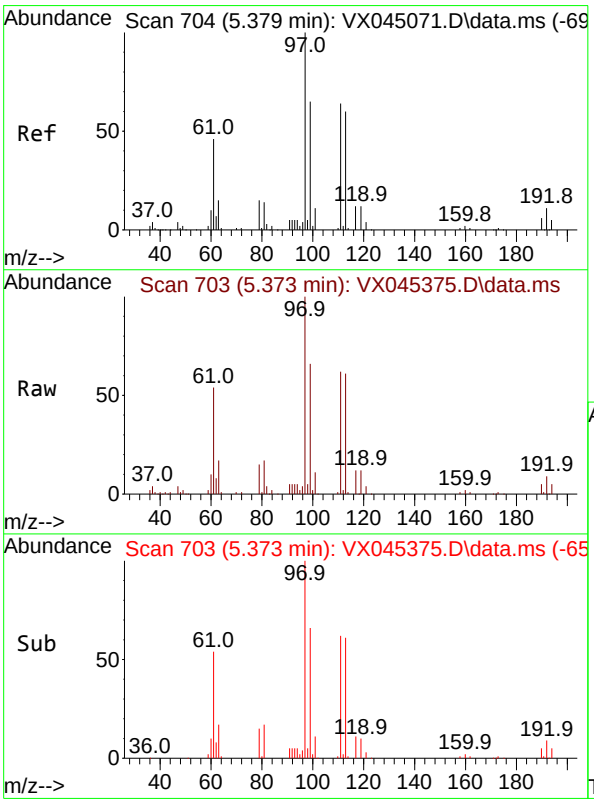
#31
Cyclohexane
Concen: 51.149 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 102713

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	81.0	69.4	104.2

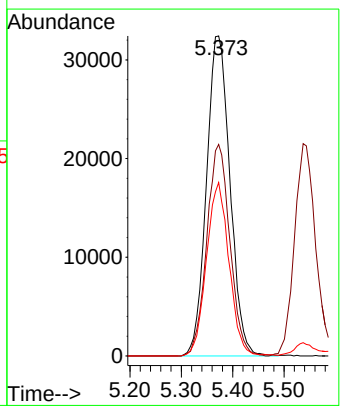


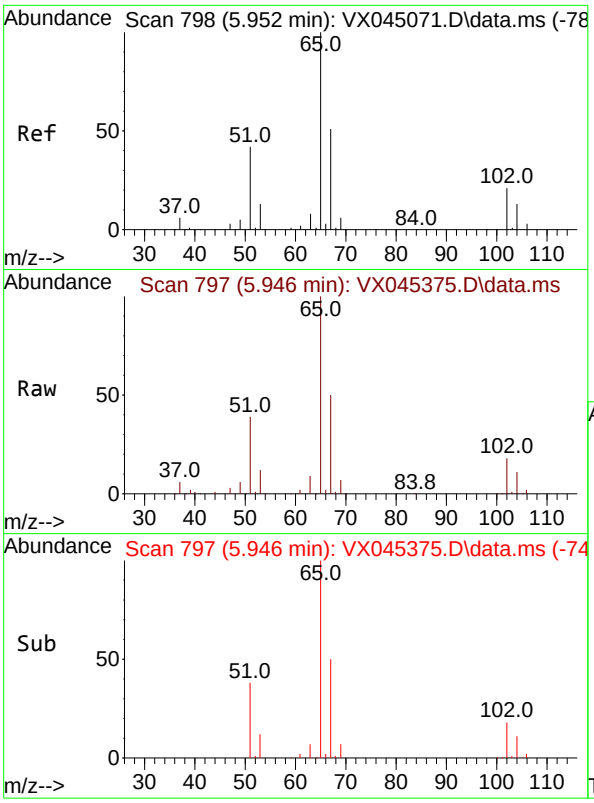


#32
1,1,1-Trichloroethane
Concen: 55.539 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 97 Resp: 103105

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	52.2	38.4	57.6



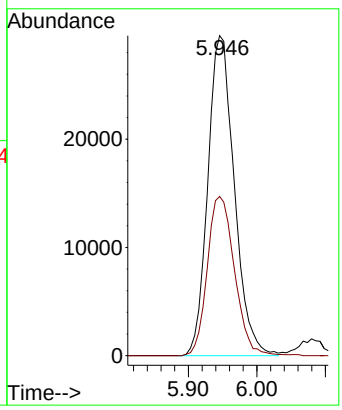


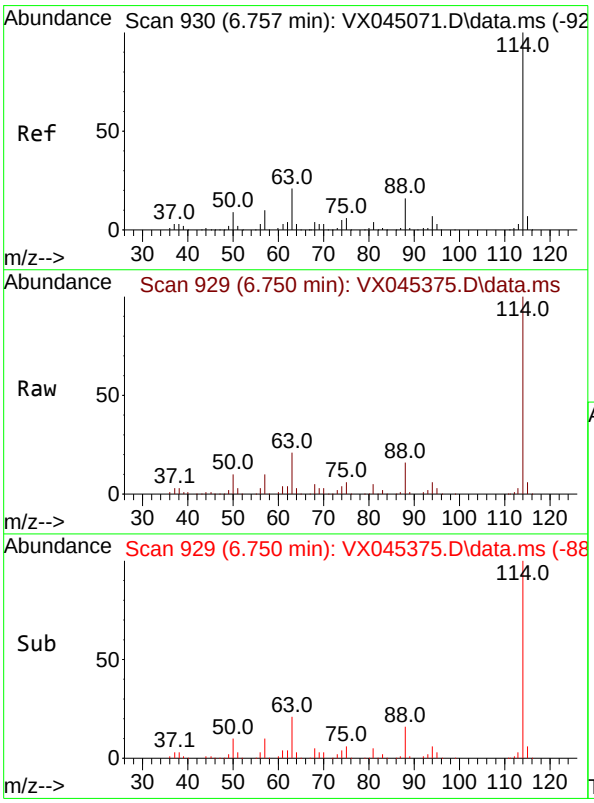
#33
1,2-Dichloroethane-d4
Concen: 53.804 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 79413

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

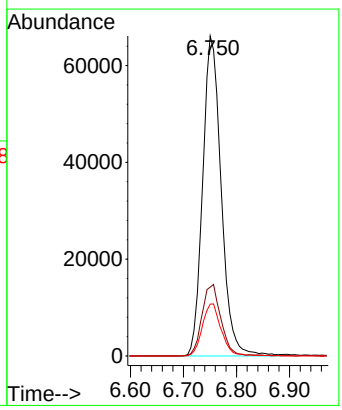


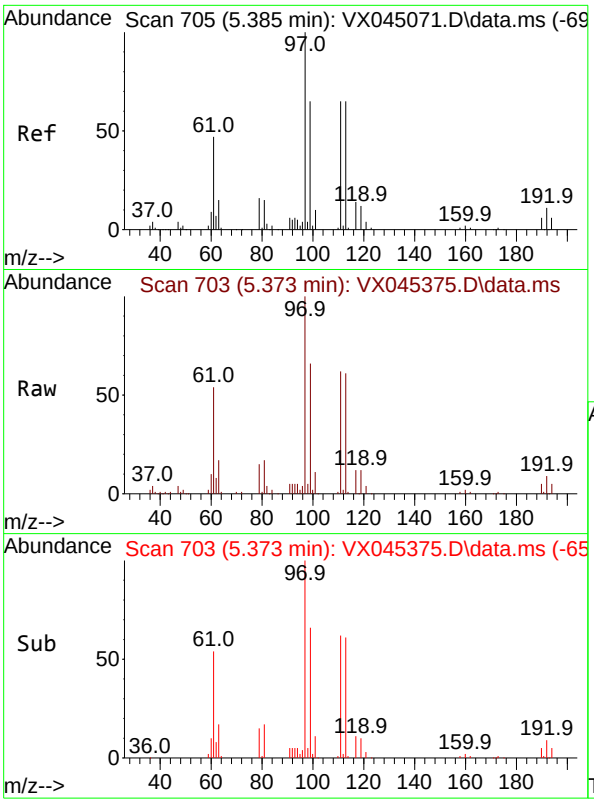


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:114 Resp: 160605

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.8
88	16.2	0.0	32.8



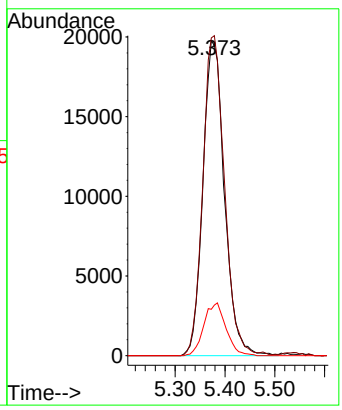


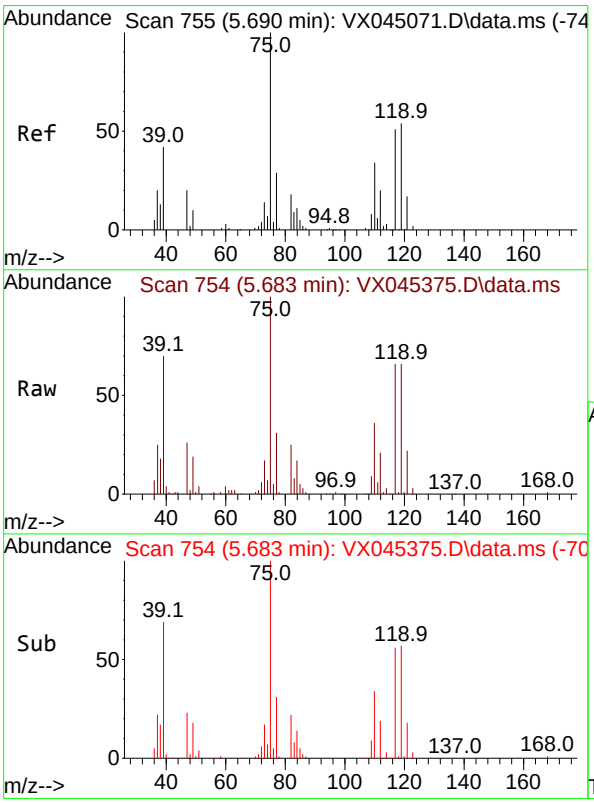
#35
Dibromofluoromethane
Concen: 55.112 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 59186

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.2	14.3	21.5

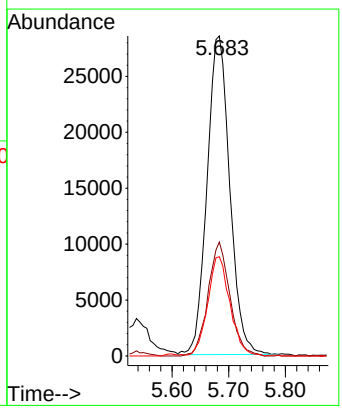


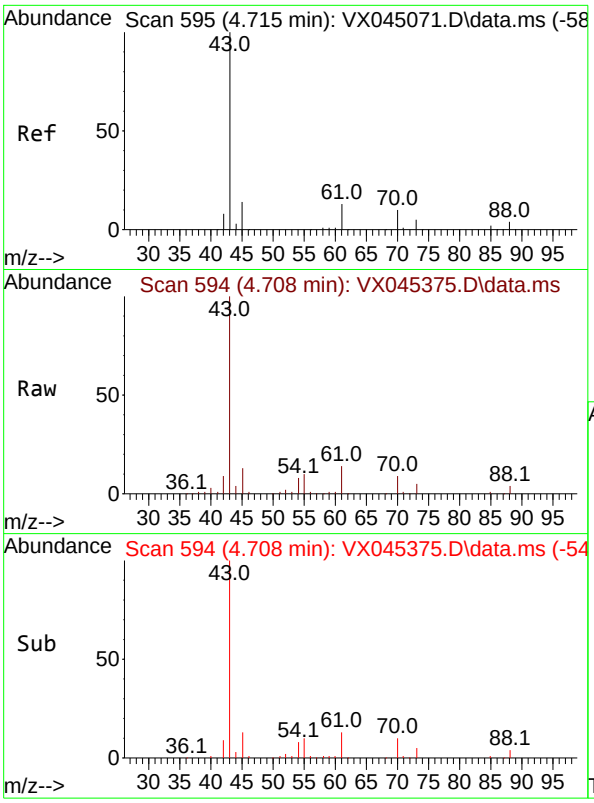


#36
1,1-Dichloropropene
Concen: 53.824 ug/l
RT: 5.683 min Scan# 754
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 79271

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.6	24.5	36.7



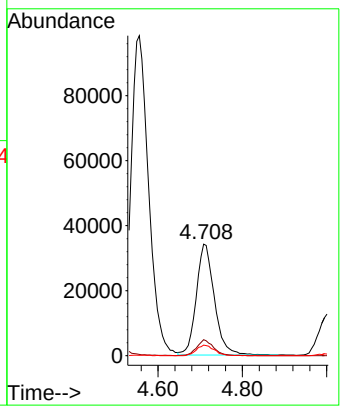


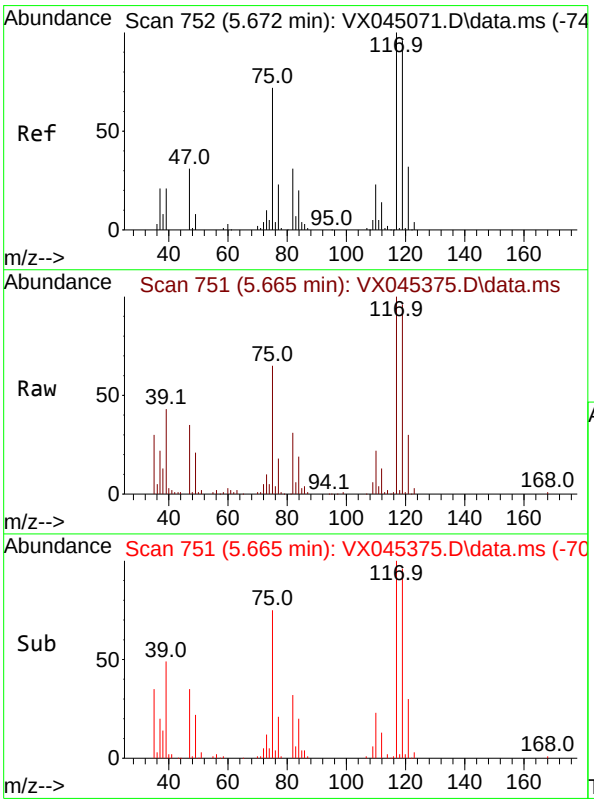
#37
Ethyl Acetate
Concen: 53.844 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 102184

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.4	7.7	11.5

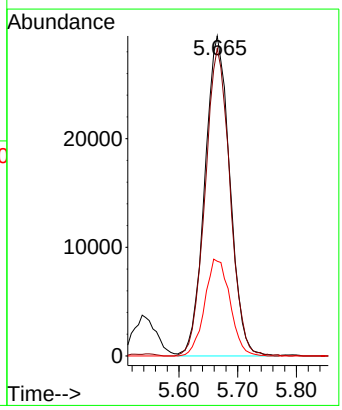


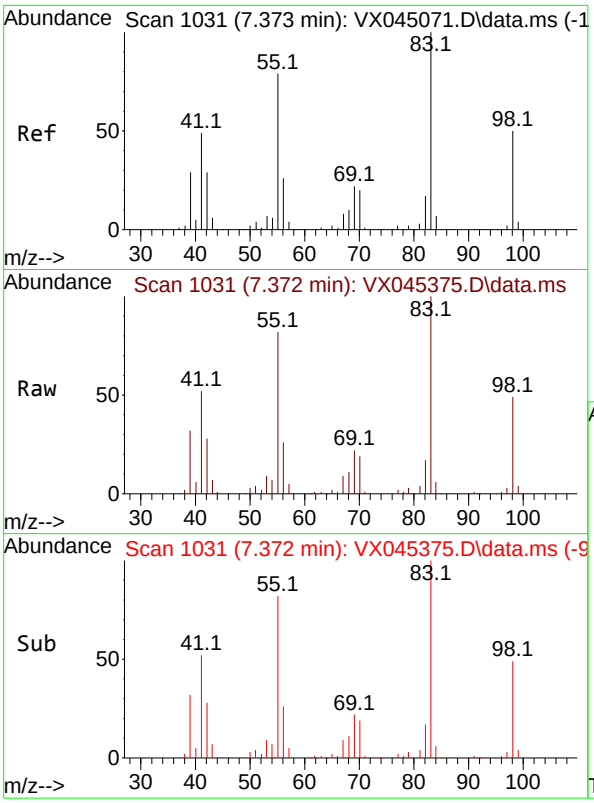


#38
Carbon Tetrachloride
Concen: 58.316 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 87195

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	29.6	25.5	38.3



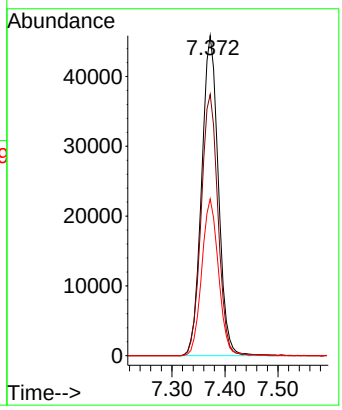


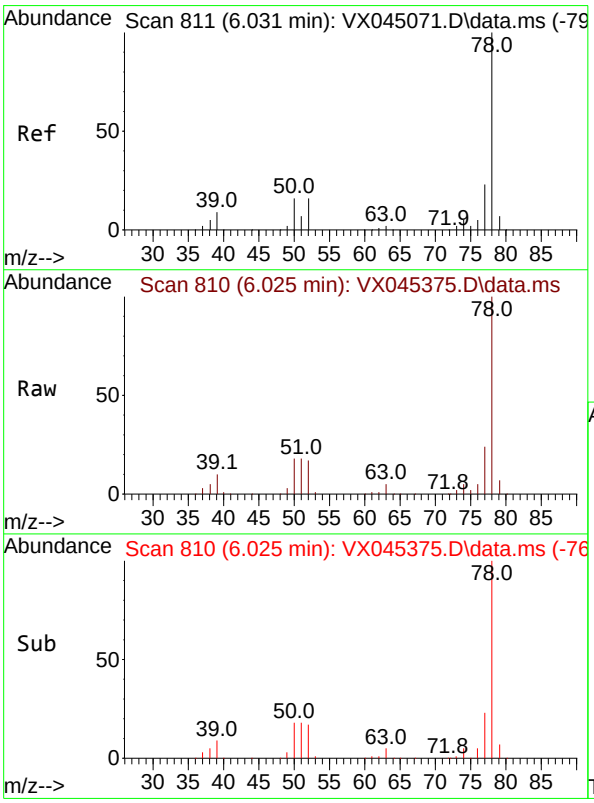
#39
Methylcyclohexane
Concen: 56.964 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 100526

Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.0	94.4
98	49.0	39.7	59.5

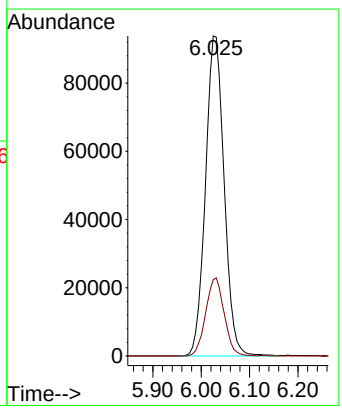


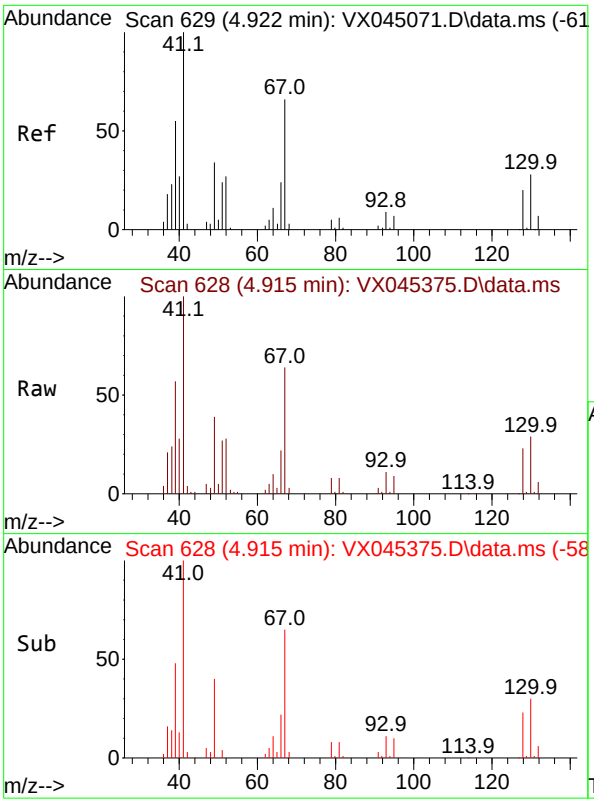


#40
Benzene
Concen: 54.071 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 78 Resp: 251470

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



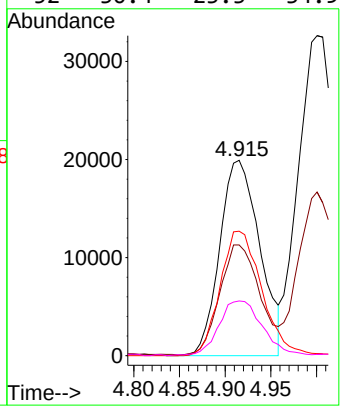


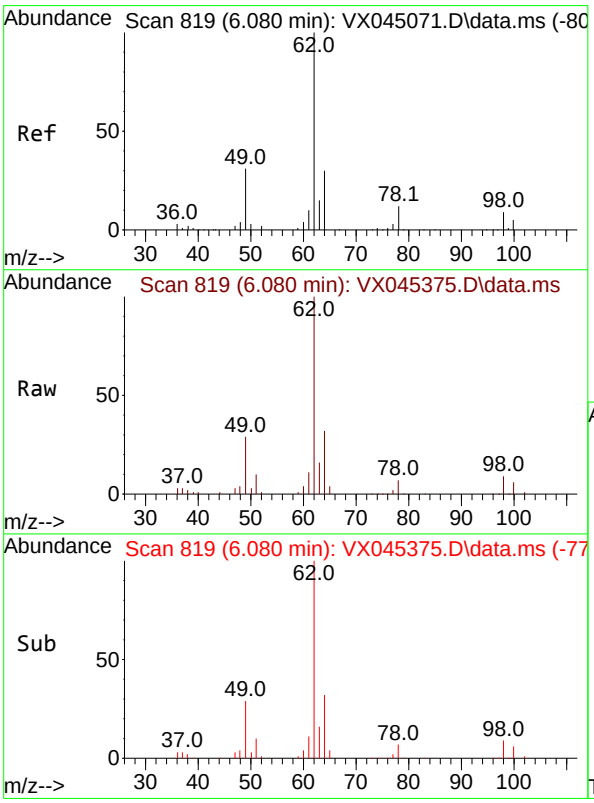
#41
Methacrylonitrile
Concen: 59.274 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 60824

Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.6	67.0
67	66.6	53.9	80.9
52	30.4	23.3	34.9

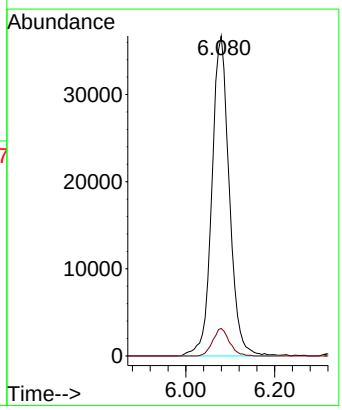


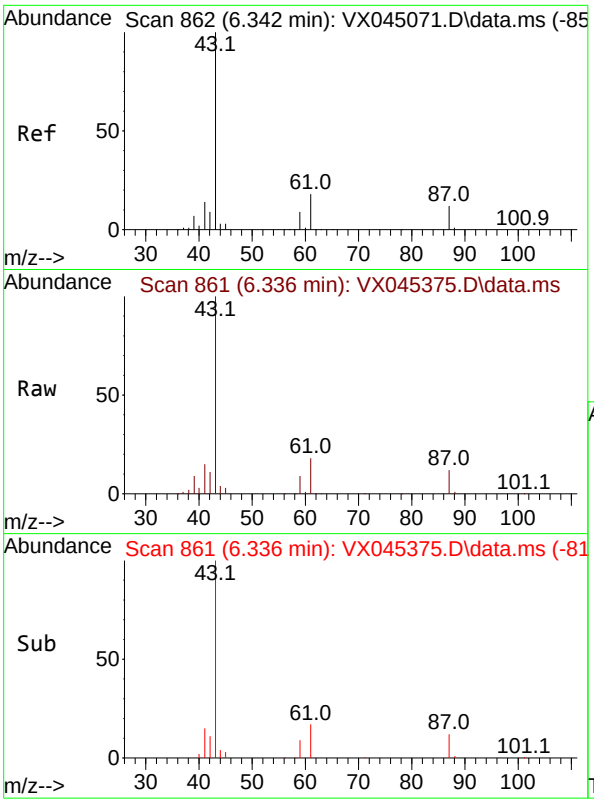


#42
1,2-Dichloroethane
Concen: 59.688 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 62 Resp: 99960

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.2



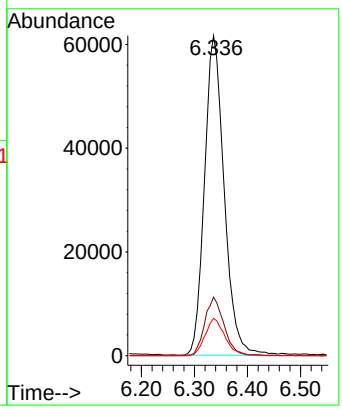


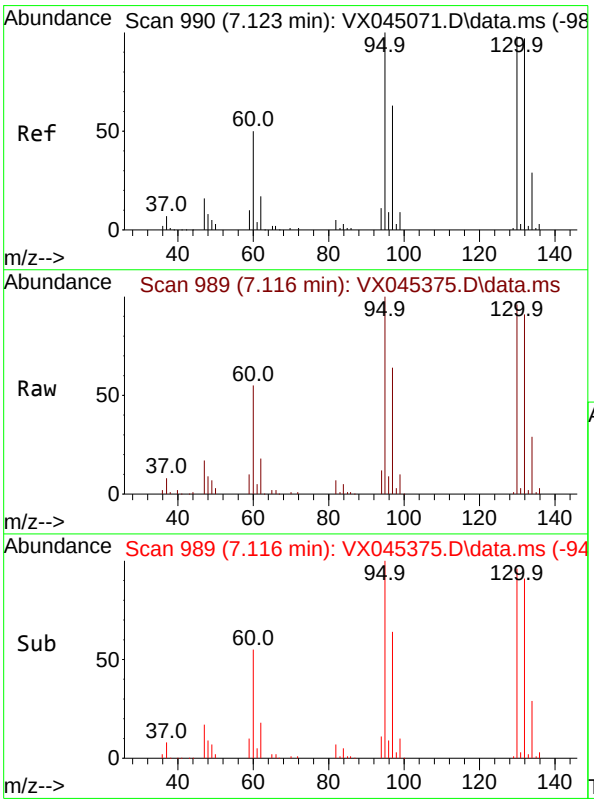
#43
Isopropyl Acetate
Concen: 56.586 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158796

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.7	9.4	14.2

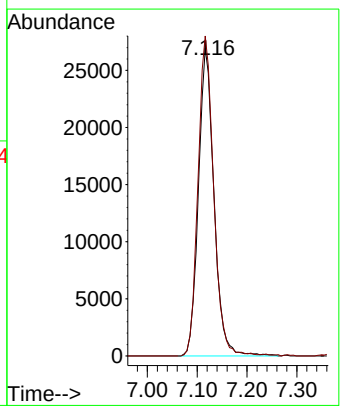


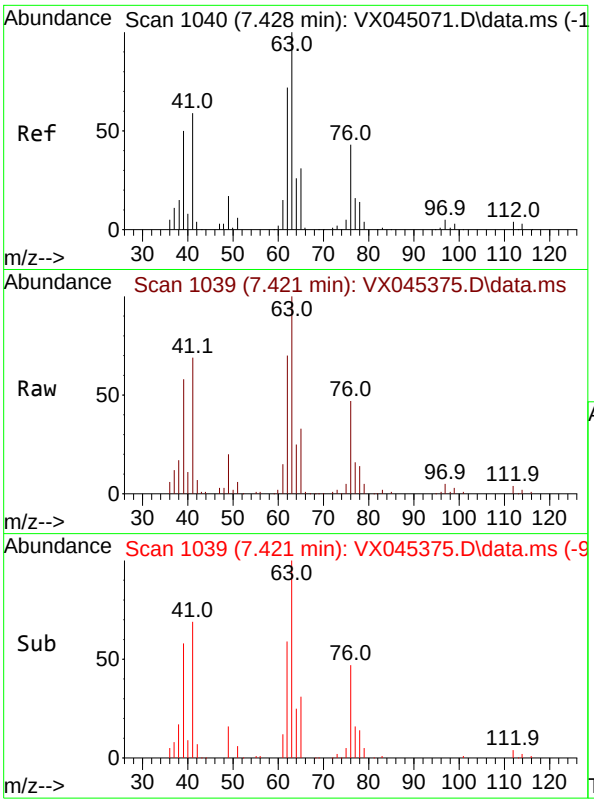


#44
Trichloroethene
Concen: 53.543 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:130 Resp: 58470

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	205.0



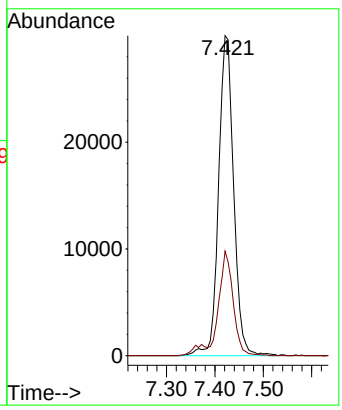


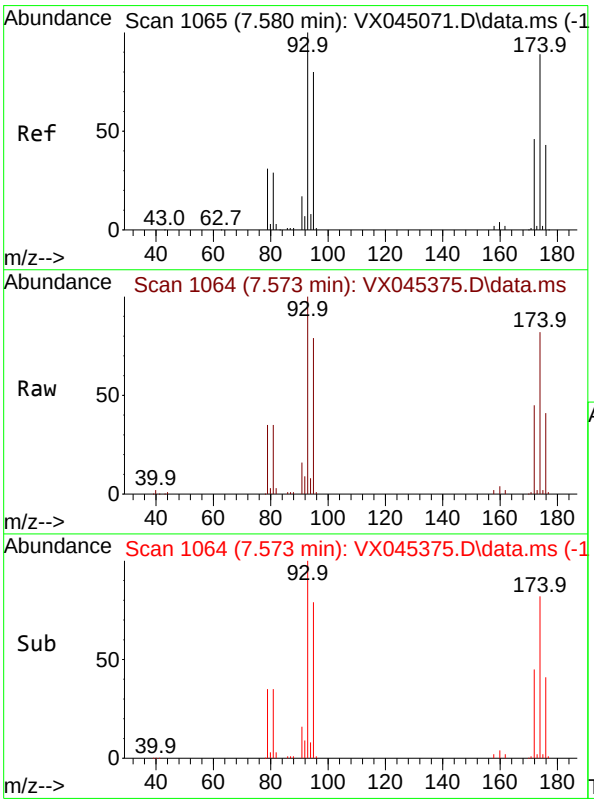
#45
1,2-Dichloropropane
Concen: 54.233 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 64849

Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.7	37.1

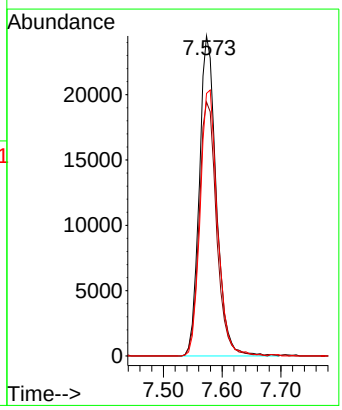


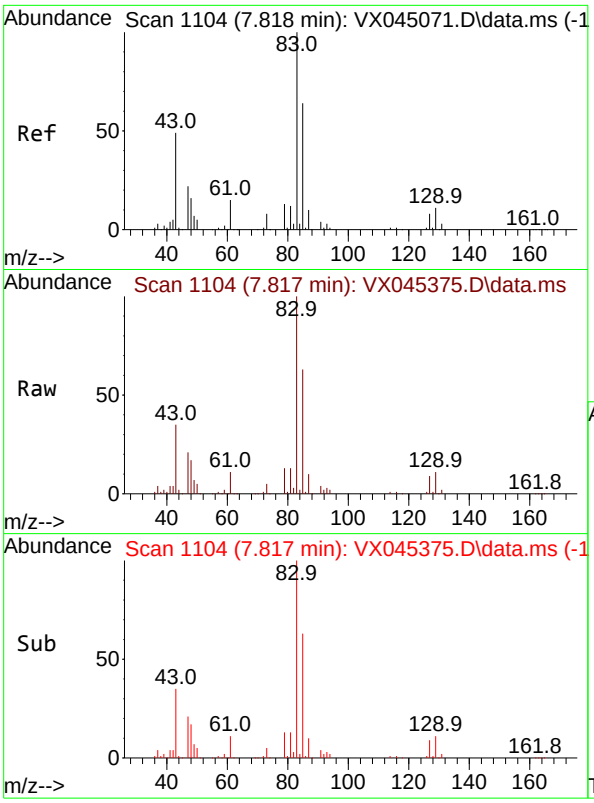


#46
Dibromomethane
Concen: 58.204 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 93 Resp: 49192

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	85.1	72.2	108.2



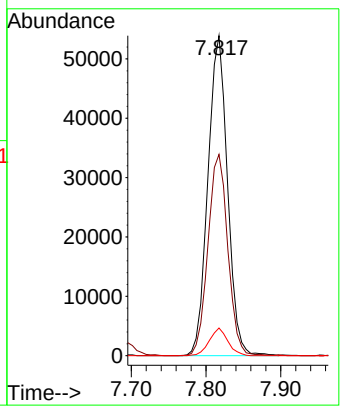


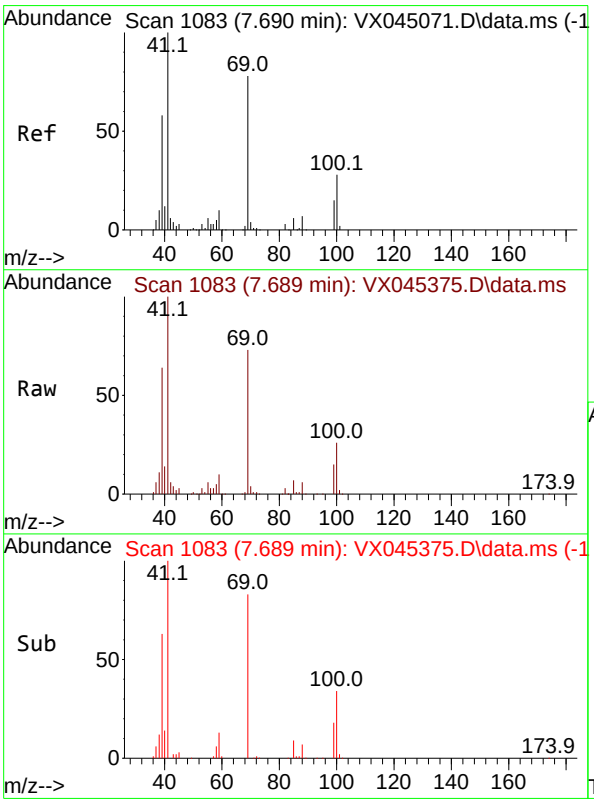
#47
Bromodichloromethane
Concen: 59.351 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 98390

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.6	6.4	9.6

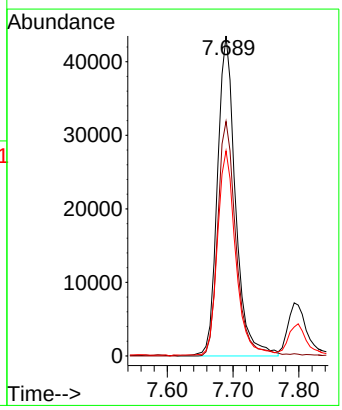


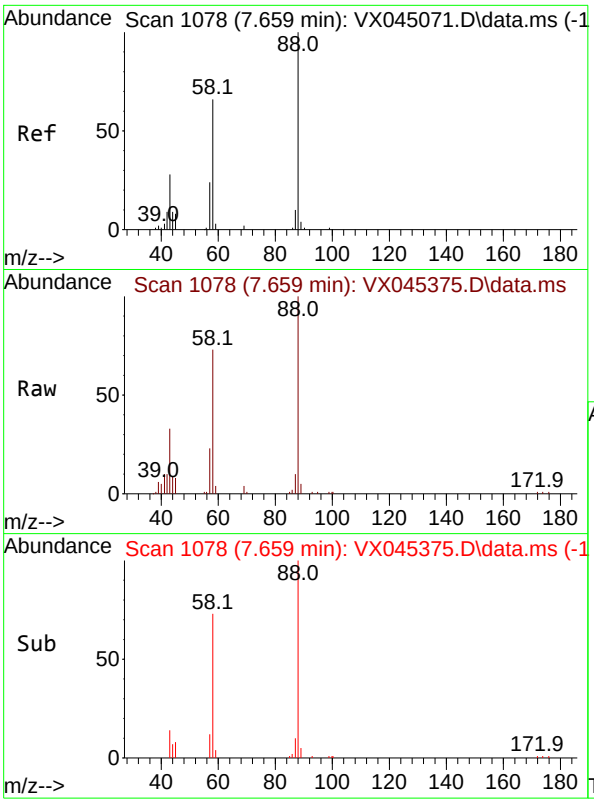


#48
Methyl methacrylate
Concen: 59.086 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 41 Resp: 83186

Ion	Ratio	Lower	Upper
41	100		
69	73.9	63.0	94.6
39	63.9	47.5	71.3



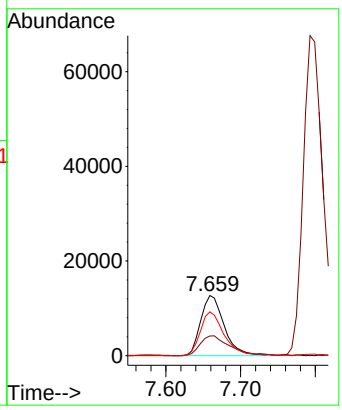


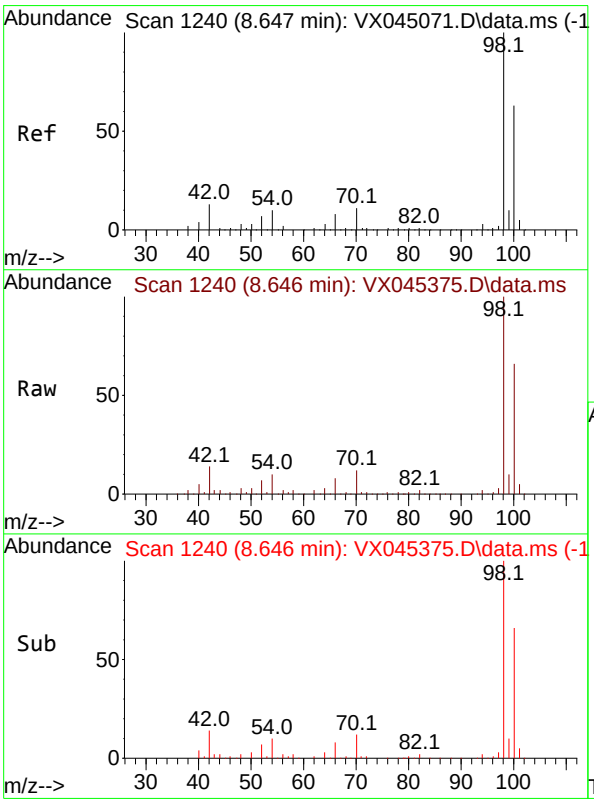
#49
1,4-Dioxane
Concen: 938.459 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27870

Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.7	43.1
58	73.8	55.8	83.8

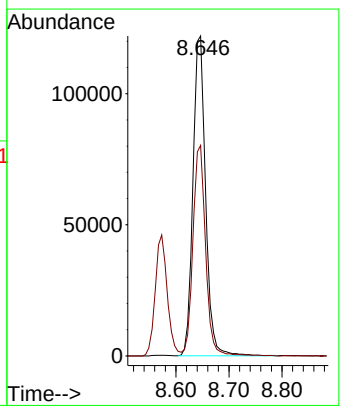


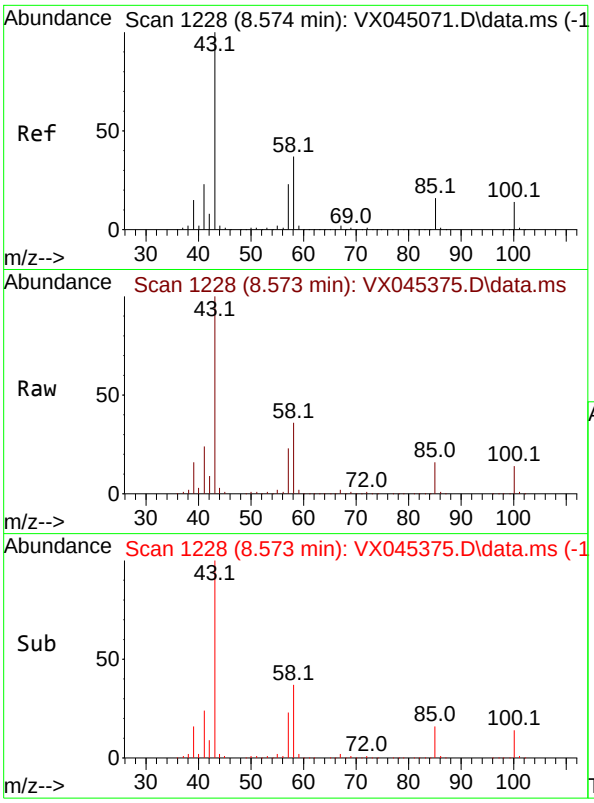


#50
Toluene-d8
Concen: 51.765 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 98 Resp: 201541

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



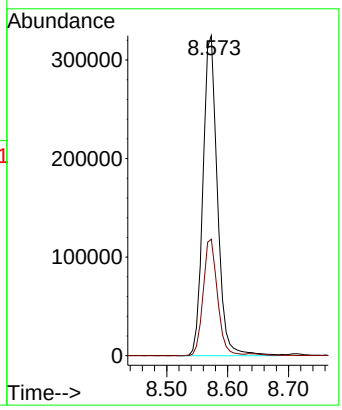


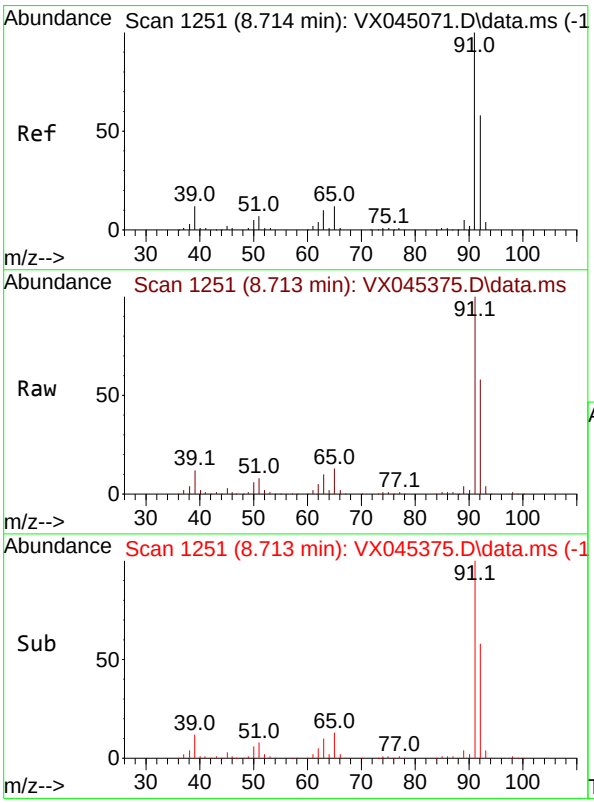
#51
4-Methyl-2-Pentanone
Concen: 284.145 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 535400

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

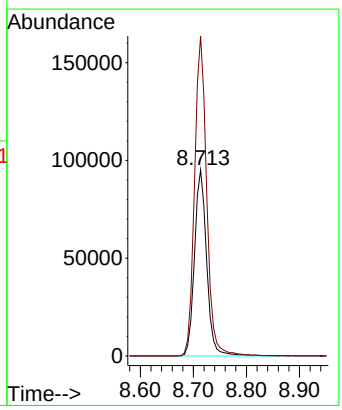


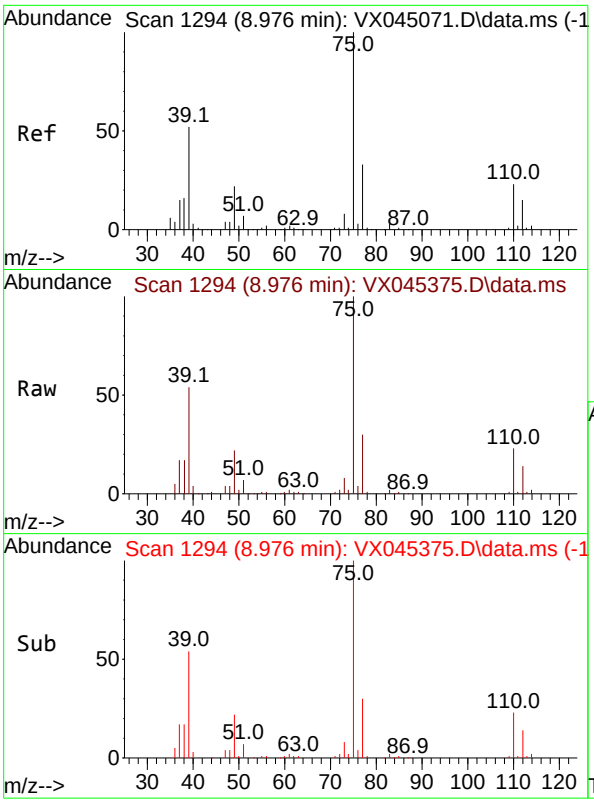


#52
Toluene
Concen: 55.490 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 92 Resp: 151414

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.9	208.3



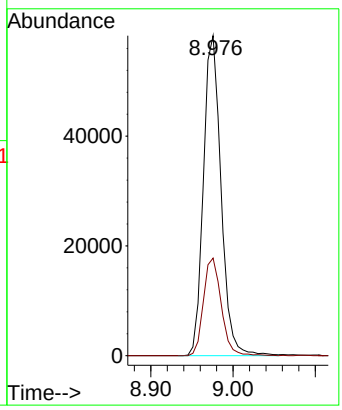


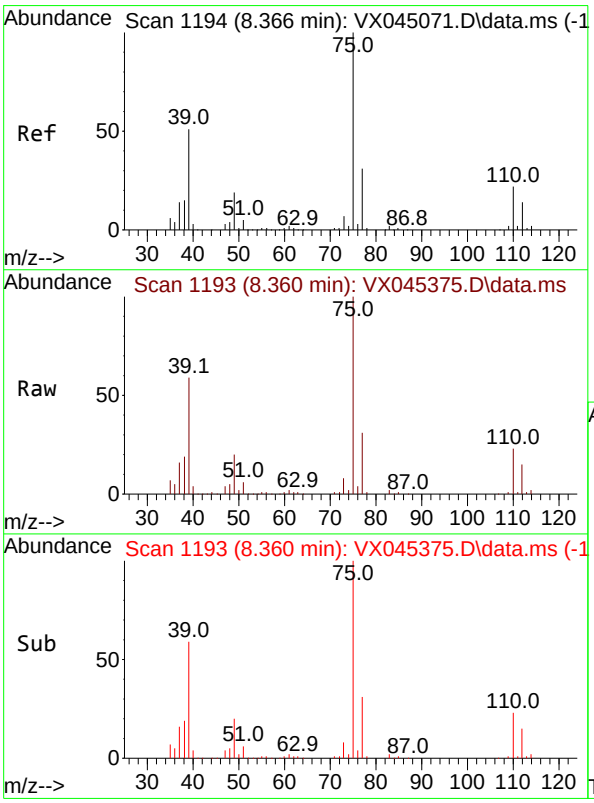
#53
t-1,3-Dichloropropene
Concen: 62.714 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 86916

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.5	39.7

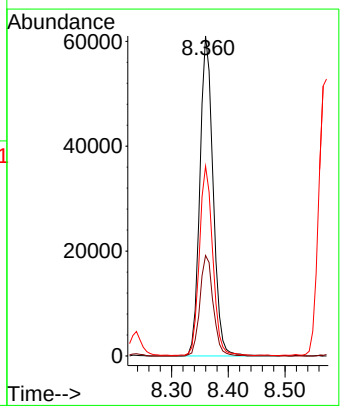


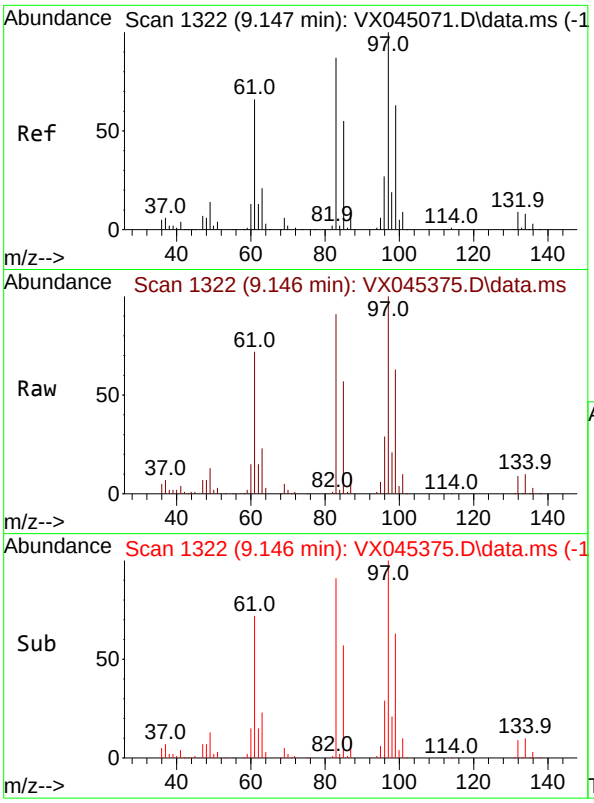


#54
cis-1,3-Dichloropropene
Concen: 61.078 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 98708

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	59.2	40.7	61.1



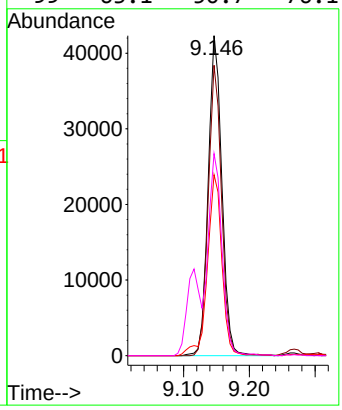


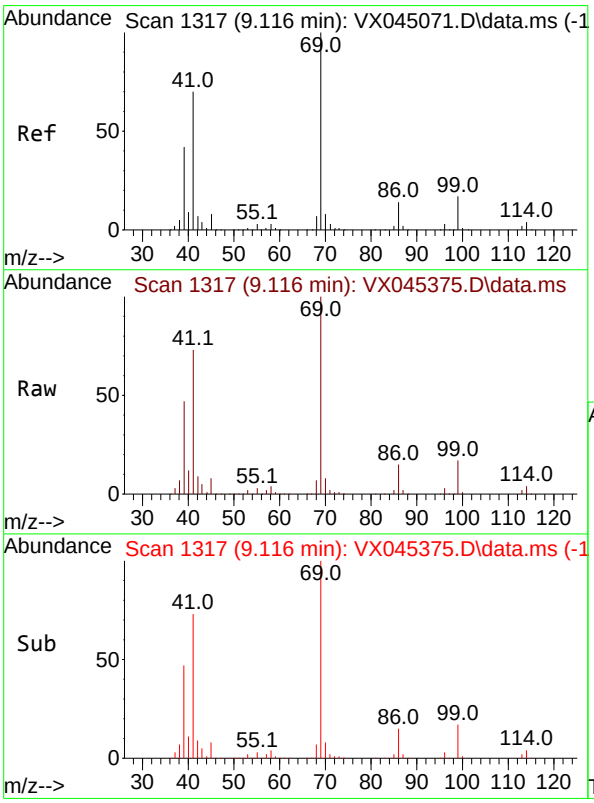
#55
1,1,2-Trichloroethane
Concen: 54.637 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 61375

Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.4	104.2
85	56.5	44.1	66.1
99	63.1	50.7	76.1

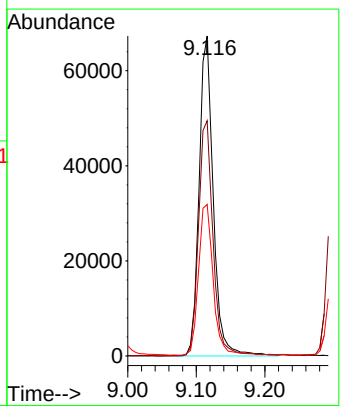


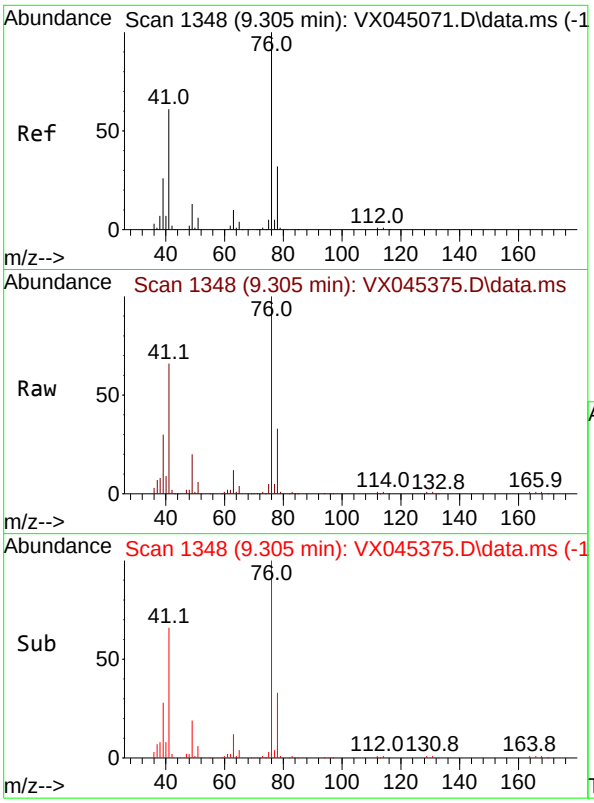


#56
Ethyl methacrylate
Concen: 56.775 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 69 Resp: 96944

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.0	34.2	51.4



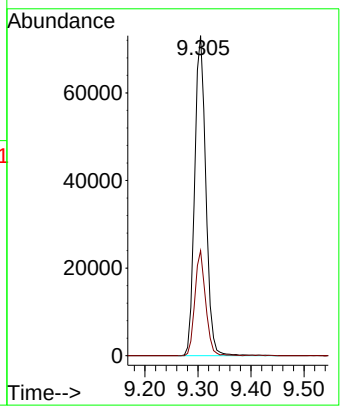


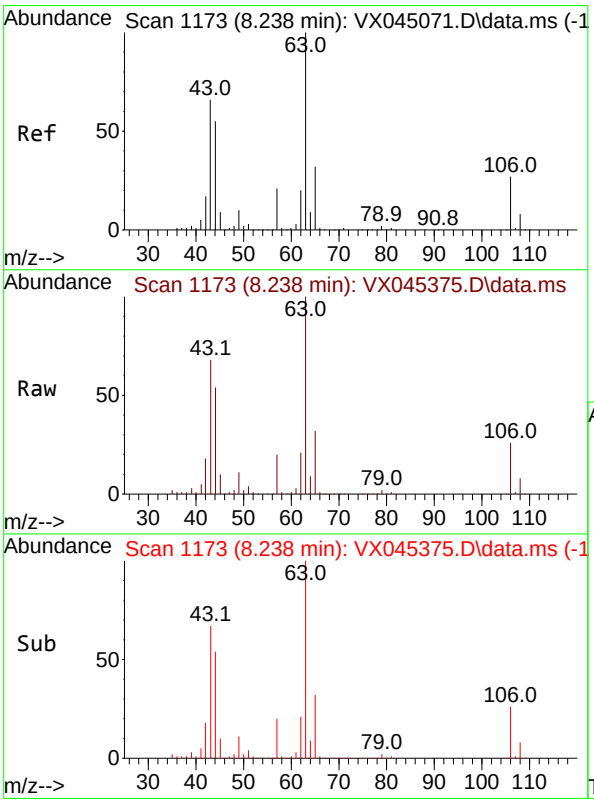
#57
1,3-Dichloropropane
Concen: 54.996 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 106911

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

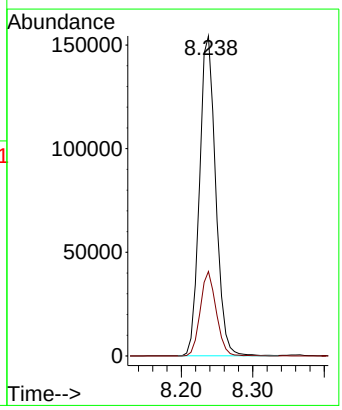


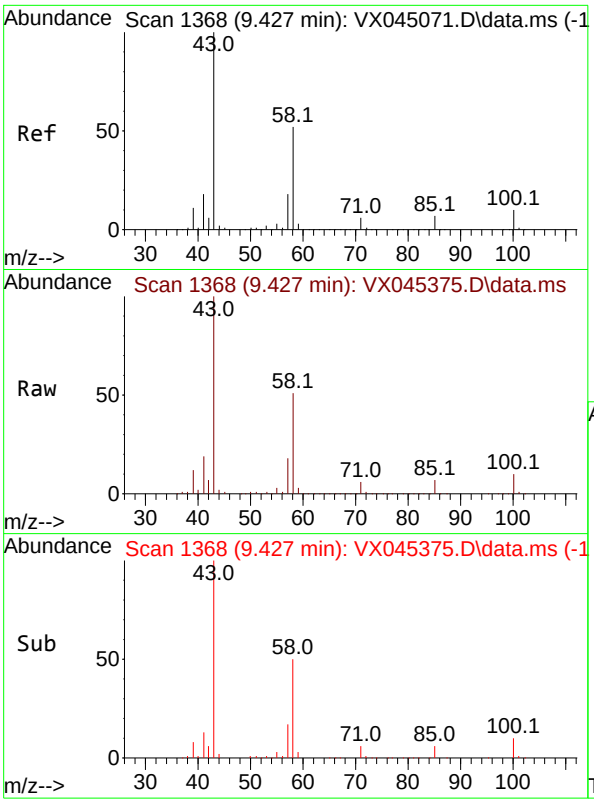


#58
2-Chloroethyl Vinyl ether
Concen: 290.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 63 Resp: 241784

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



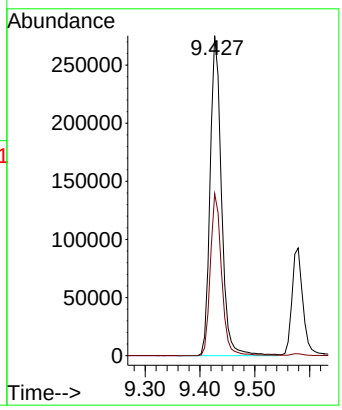


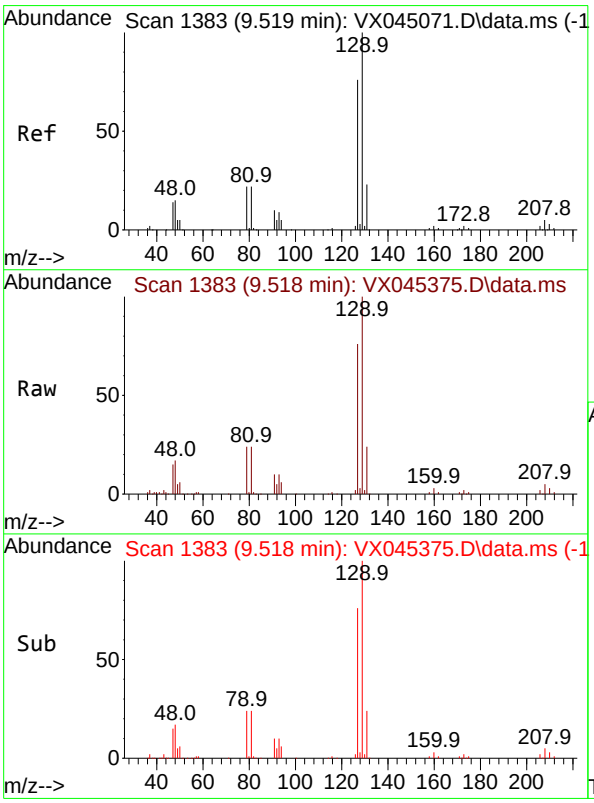
#59
2-Hexanone
Concen: 289.177 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 394789

Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.9	77.6

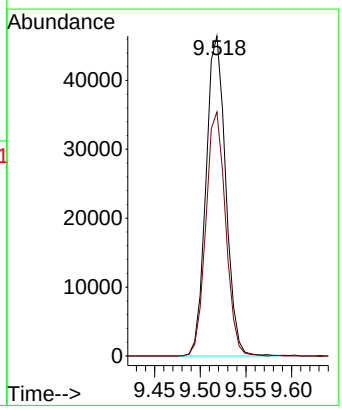


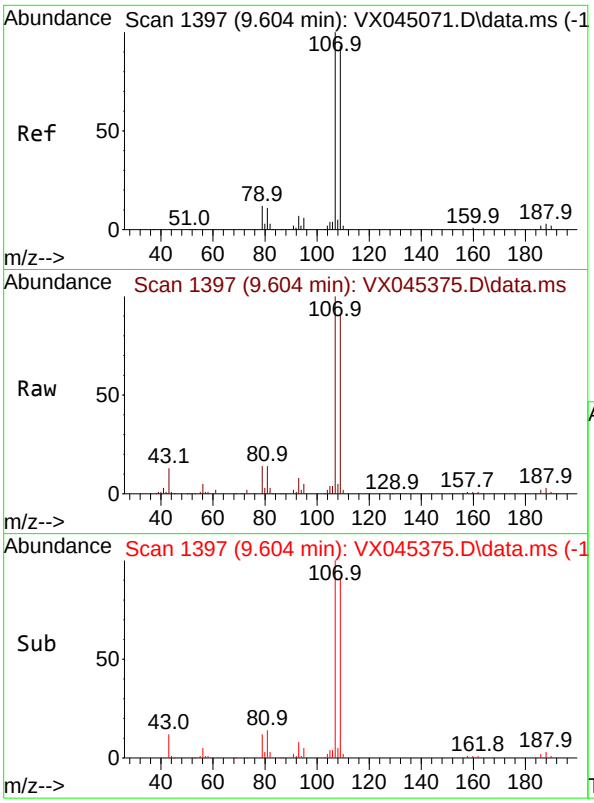


#60
Dibromochloromethane
Concen: 59.051 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:129 Resp: 69357

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



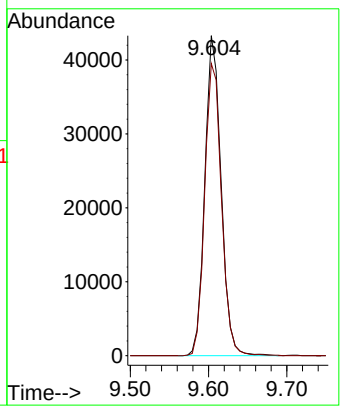


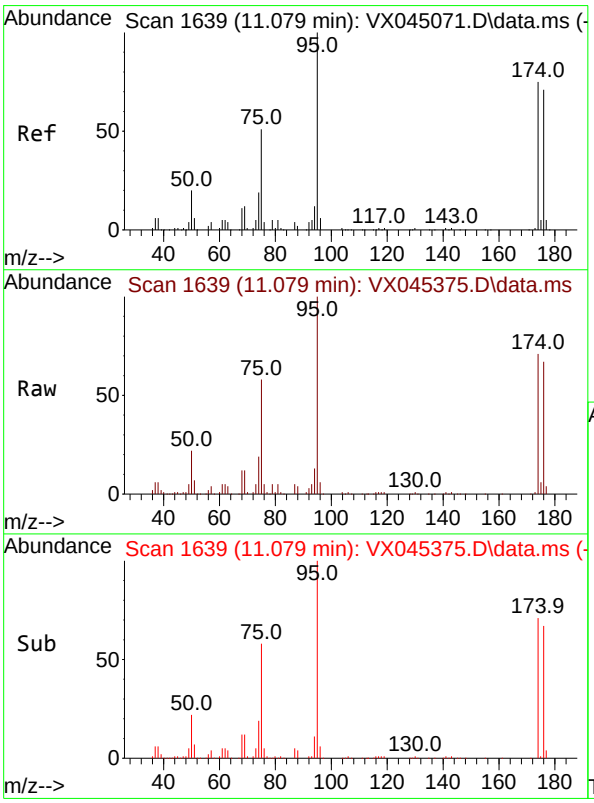
#61
1,2-Dibromoethane
Concen: 55.474 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 62209

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1

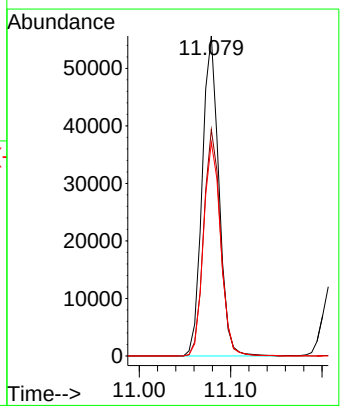


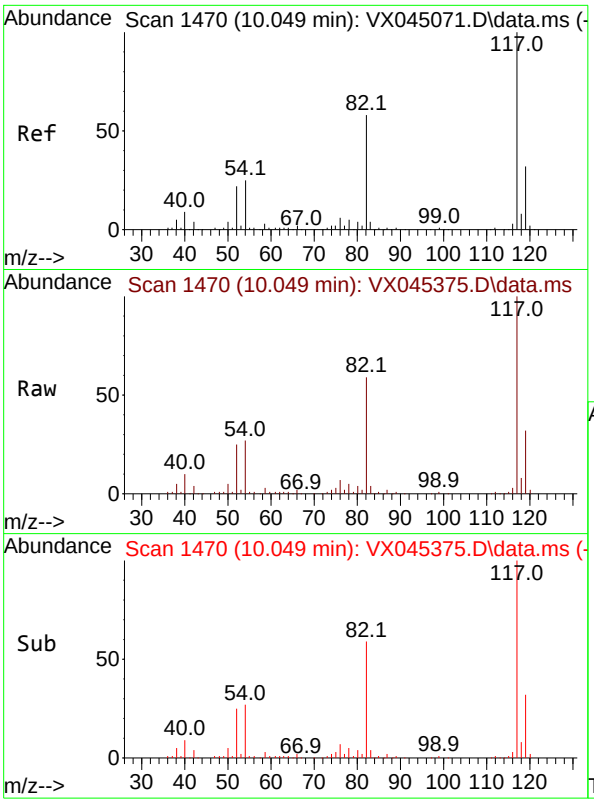


#62
4-Bromofluorobenzene
Concen: 54.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 95 Resp: 70360

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	148.2
176	68.7	0.0	141.4



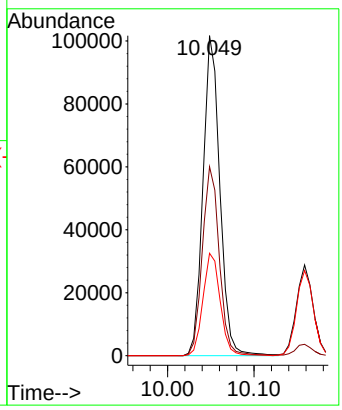


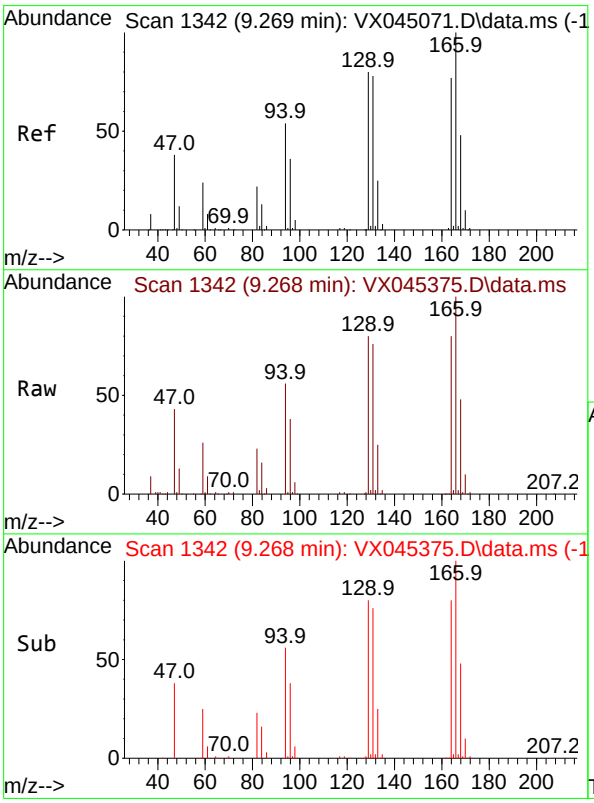
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 137508

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	32.0	25.7	38.5

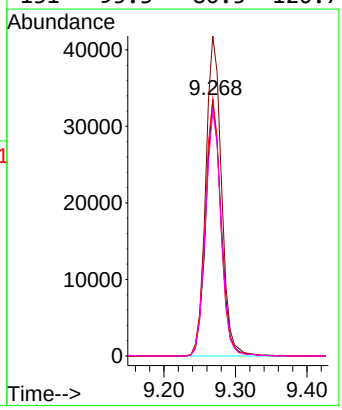


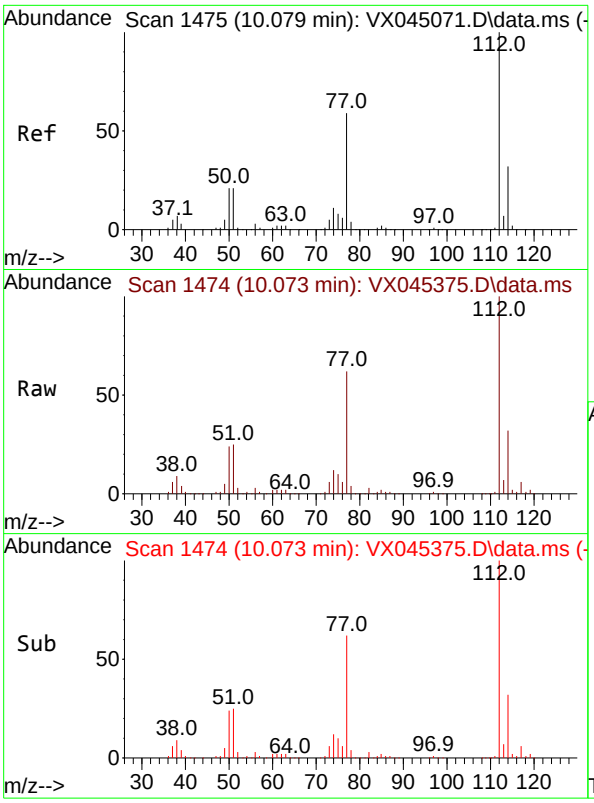


#64
Tetrachloroethene
Concen: 56.573 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:164 Resp: 49823

Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.6	155.4
129	100.1	82.7	124.1
131	95.3	80.5	120.7



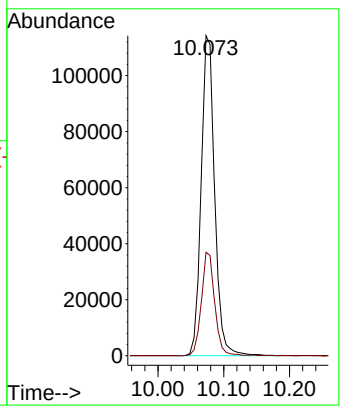


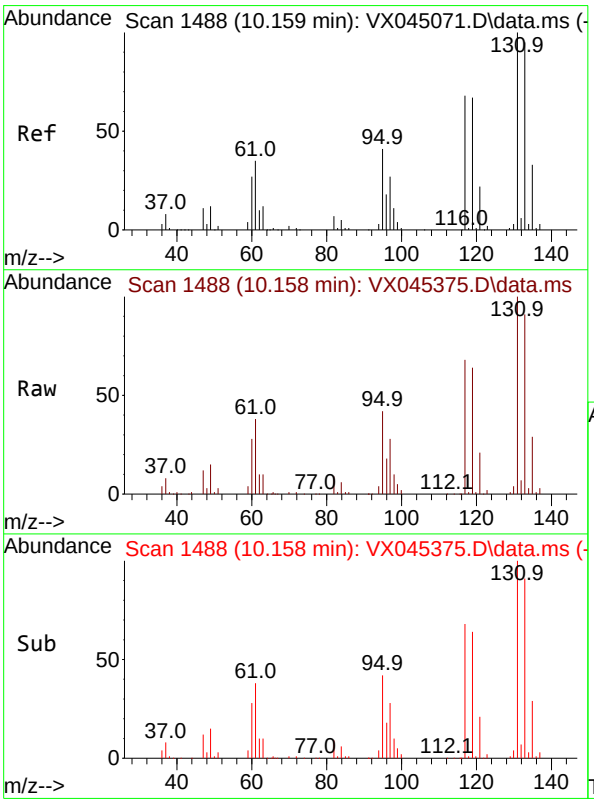
#65
Chlorobenzene
Concen: 56.091 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 163205

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

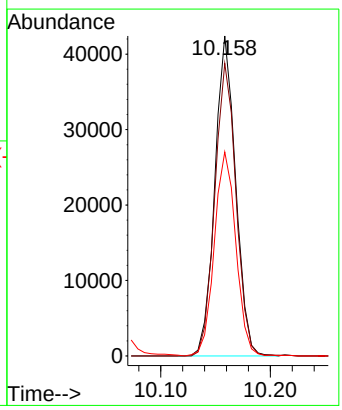


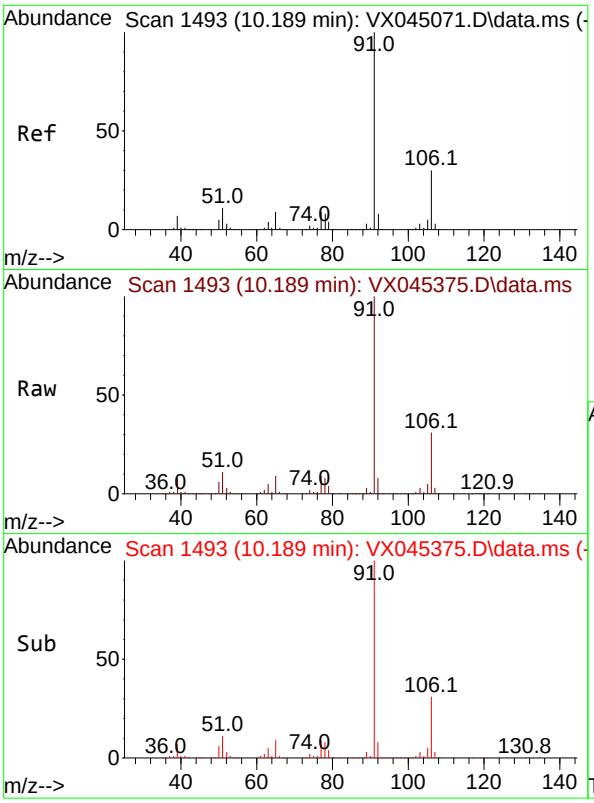


#66
1,1,1,2-Tetrachloroethane
Concen: 57.796 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:131 Resp: 56003

Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.6	145.9
119	66.0	33.9	101.7



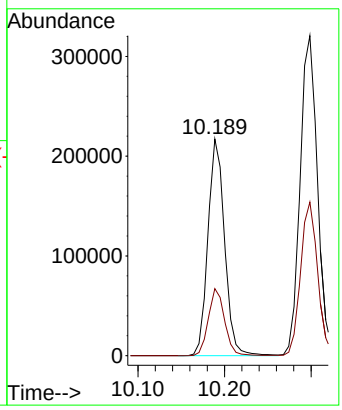


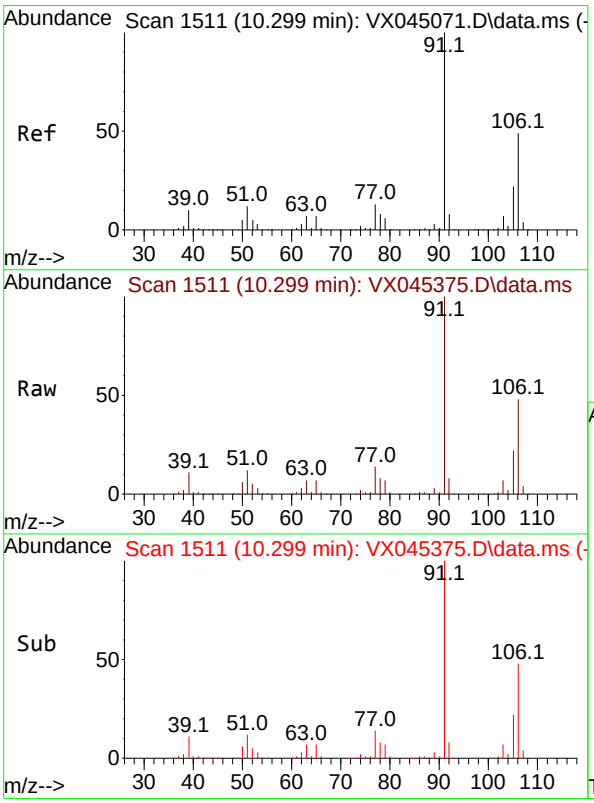
#67
Ethyl Benzene
Concen: 57.291 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 290458

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9

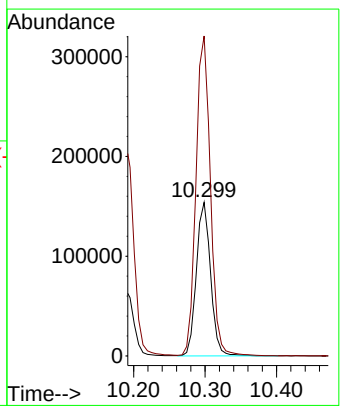


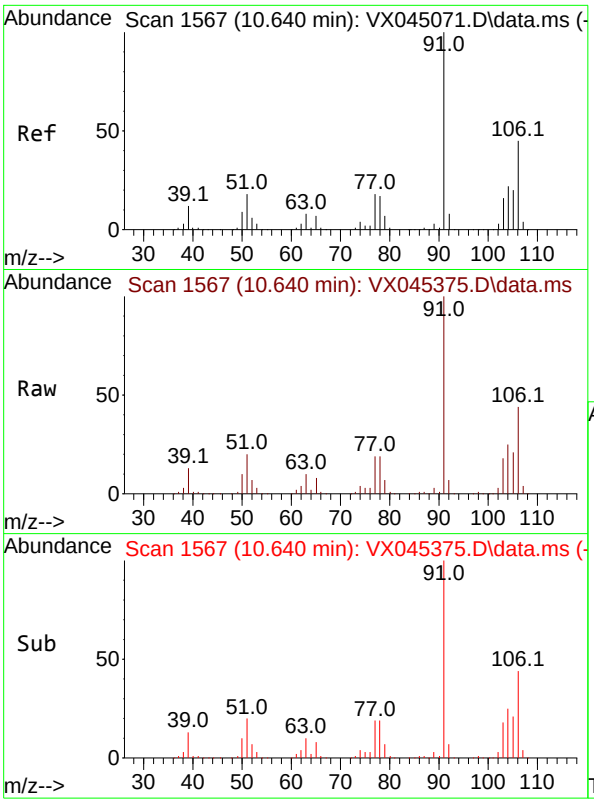


#68
m/p-Xylenes
Concen: 114.295 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:106 Resp: 212125

Ion	Ratio	Lower	Upper
106	100		
91	212.1	165.4	248.0



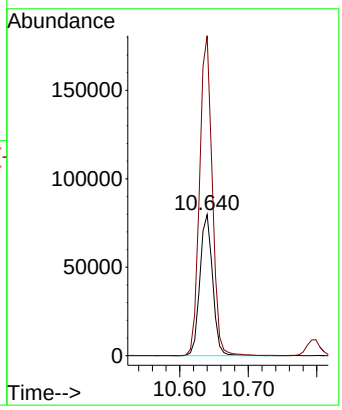


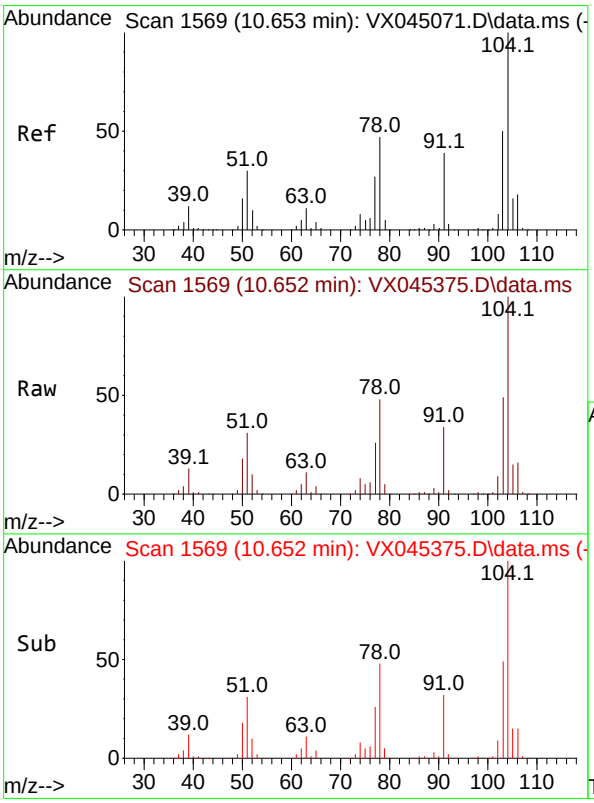
#69
o-Xylene
Concen: 55.079 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 103100

Ion	Ratio	Lower	Upper
106	100		
91	226.2	109.9	329.6

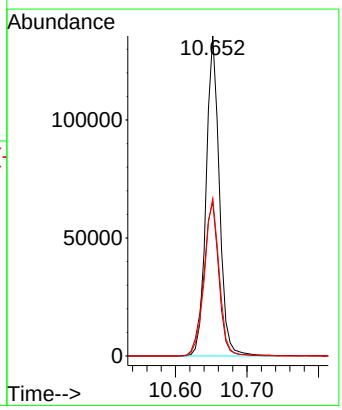


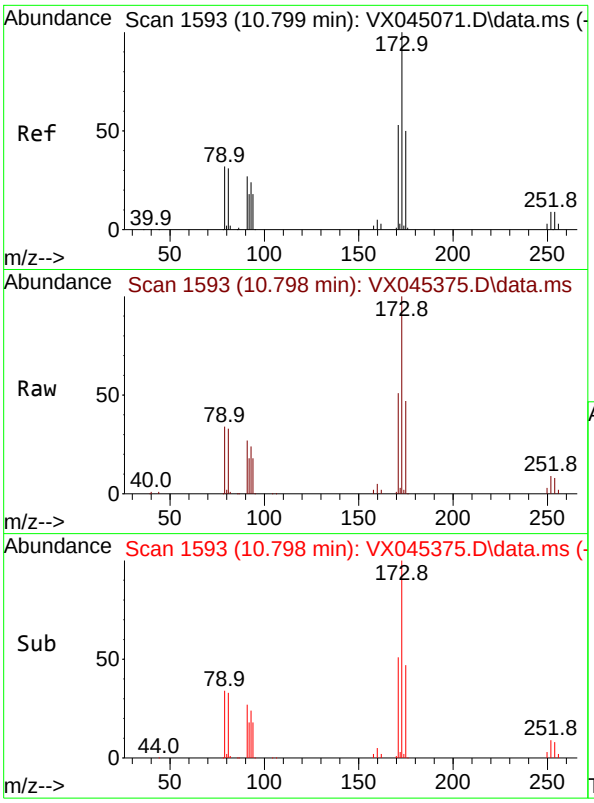


#70
Styrene
Concen: 57.615 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:104 Resp: 174503

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	54.9	43.8	65.8



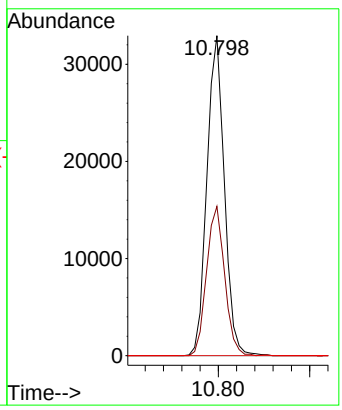


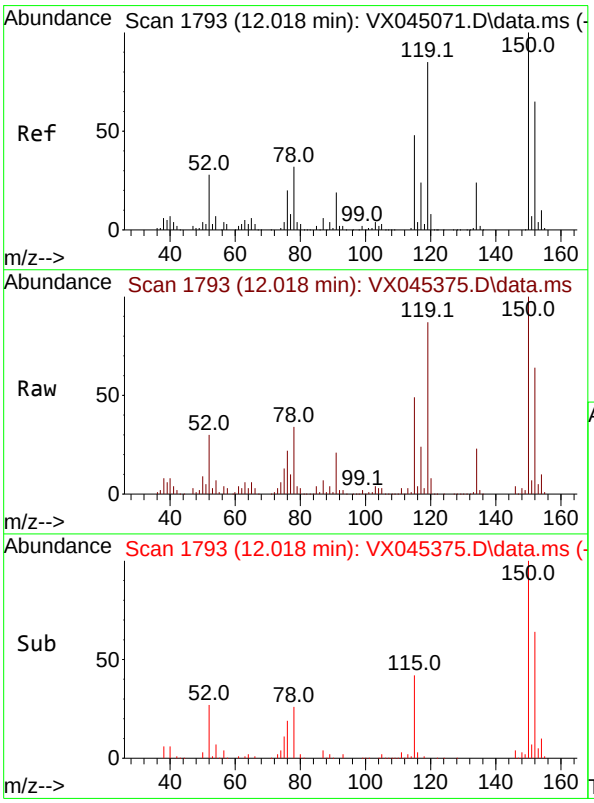
#71
Bromoform
Concen: 59.529 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43497

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0

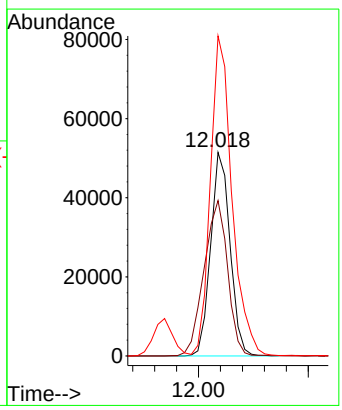


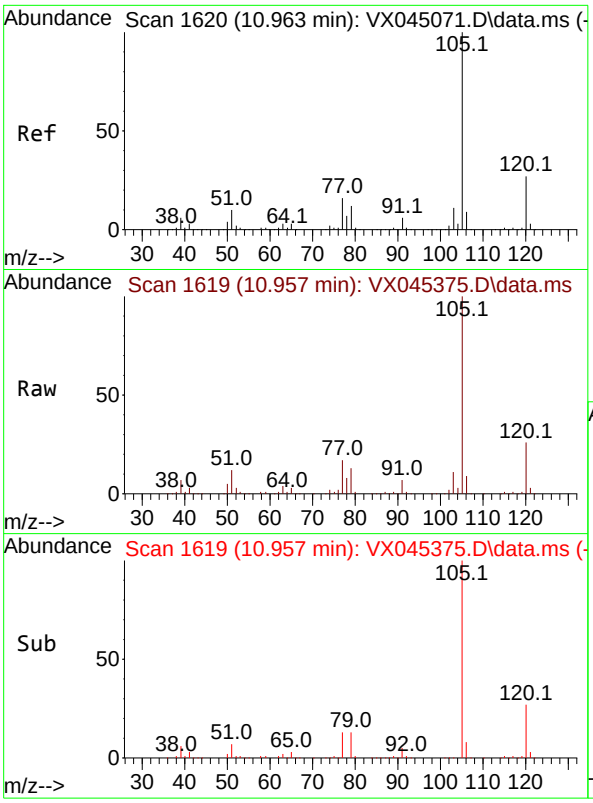


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:152 Resp: 63153

Ion	Ratio	Lower	Upper
152	100		
115	92.9	44.2	132.6
150	176.1	0.0	349.0



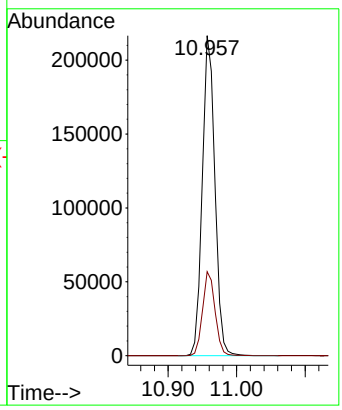


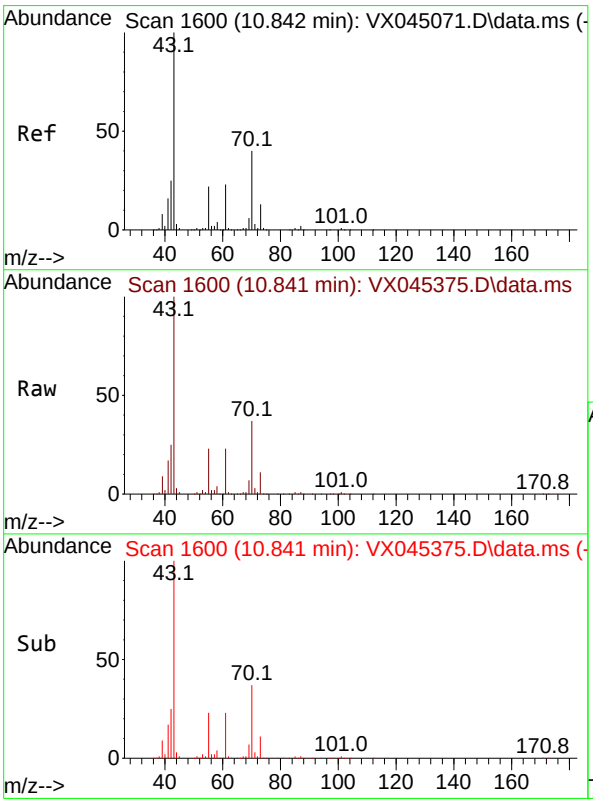
#73
Isopropylbenzene
Concen: 56.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 277512

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

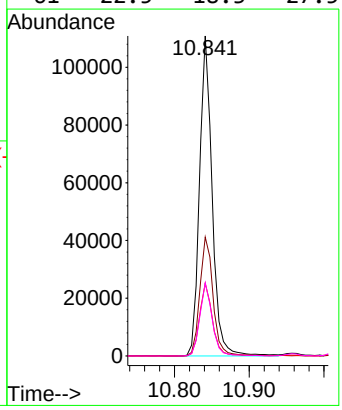


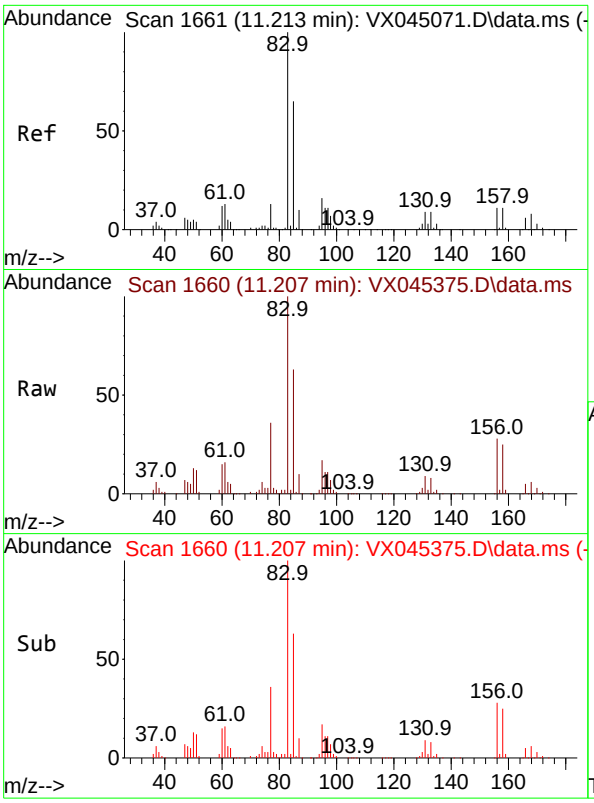


#74
N-amyl acetate
Concen: 56.311 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 43 Resp: 130246

Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.8	47.6
55	23.2	18.3	27.5
61	22.5	18.3	27.5



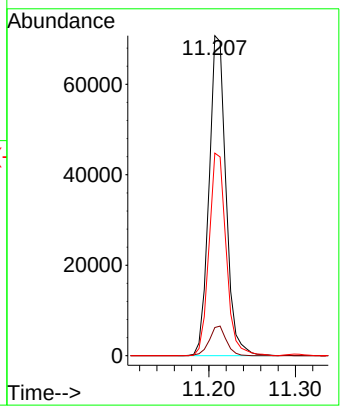


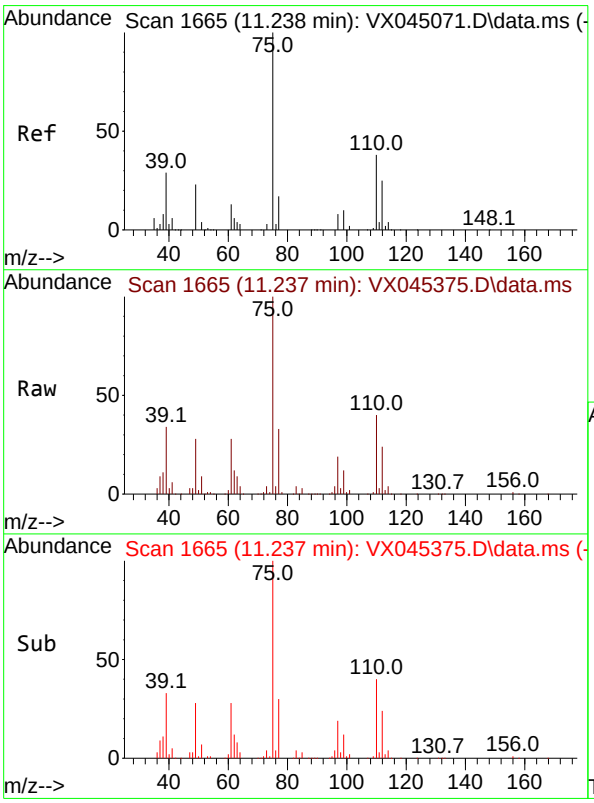
#75
1,1,2,2-Tetrachloroethane
Concen: 53.043 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 95947

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	64.1	31.7	95.1

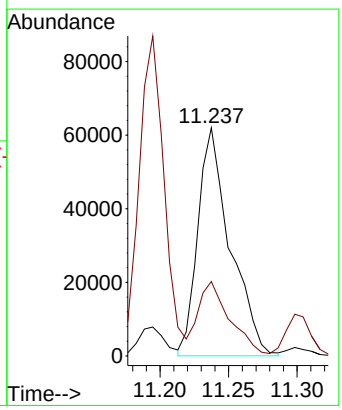


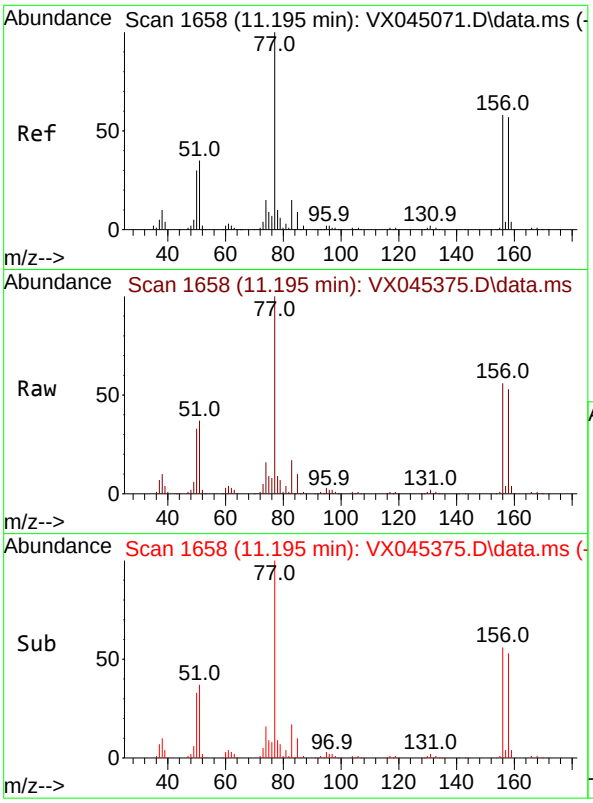


#76
1,2,3-Trichloropropane
Concen: 69.413 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 102030

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.7	62.1



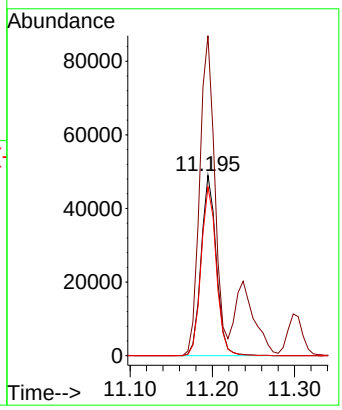


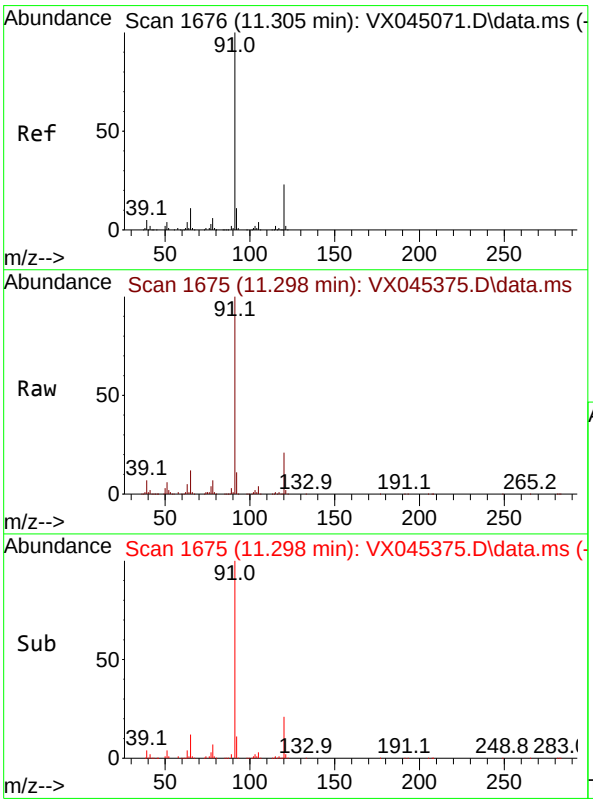
#77
Bromobenzene
Concen: 53.787 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 62556

Ion	Ratio	Lower	Upper
156	100		
77	177.8	85.8	257.4
158	94.3	48.4	145.2

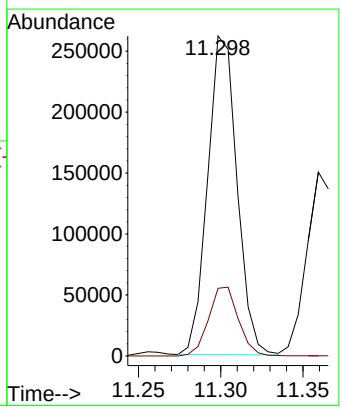


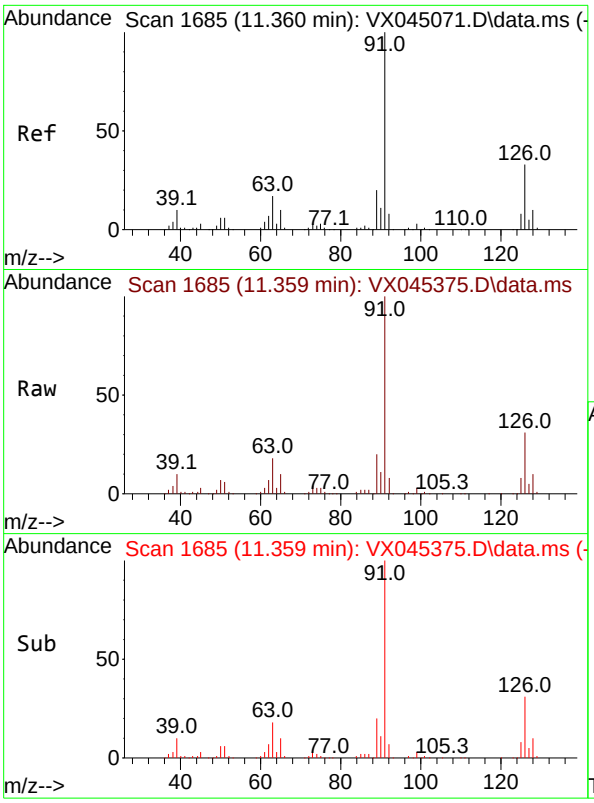


#78
n-propylbenzene
Concen: 58.471 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.007 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 325584

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6



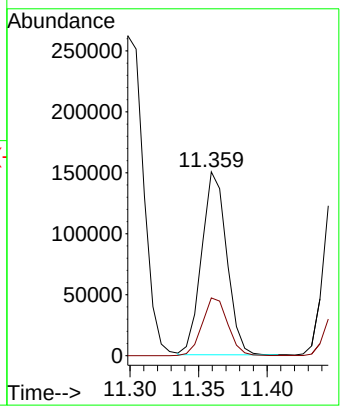


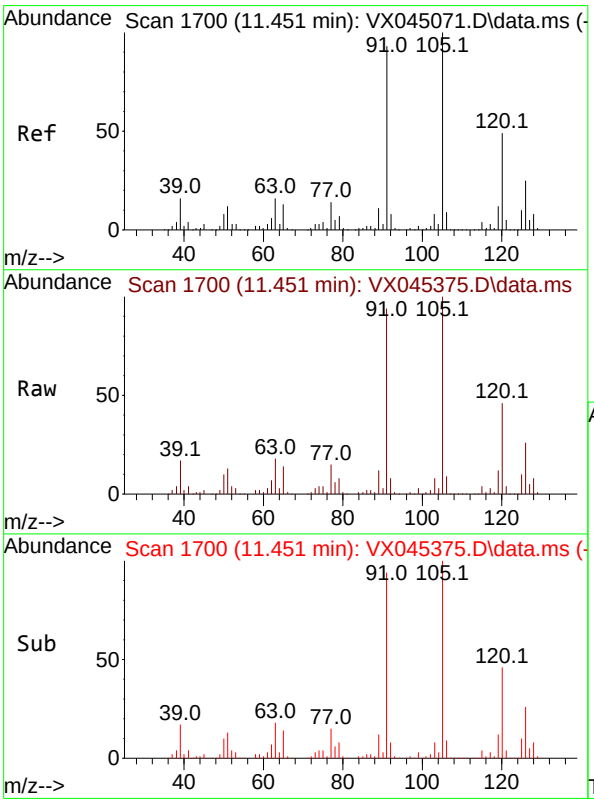
#79
2-Chlorotoluene
Concen: 53.953 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 191329

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

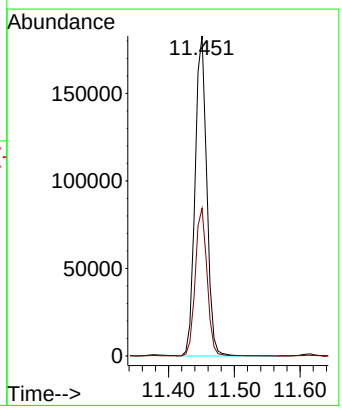


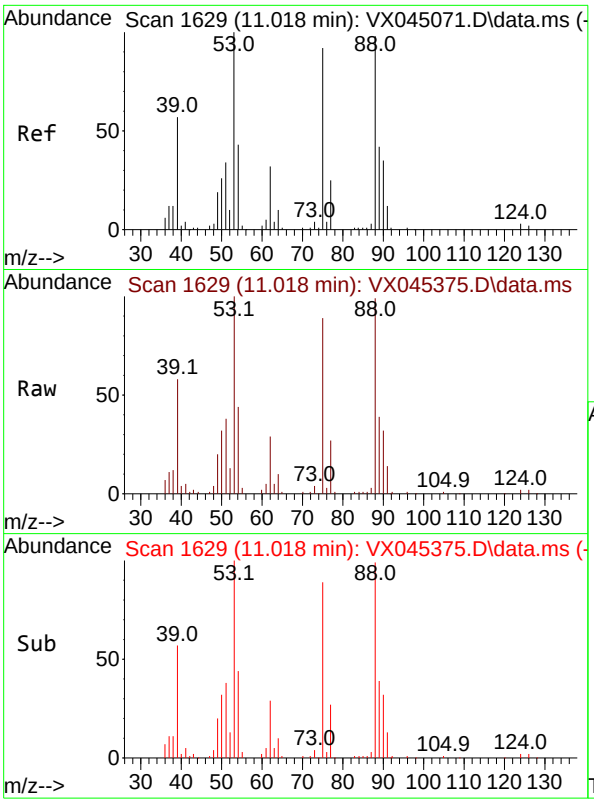


#80
1,3,5-Trimethylbenzene
Concen: 56.669 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 225866

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.1	72.2



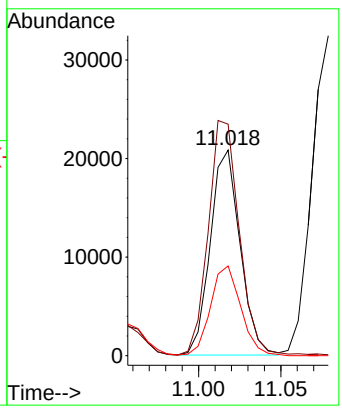


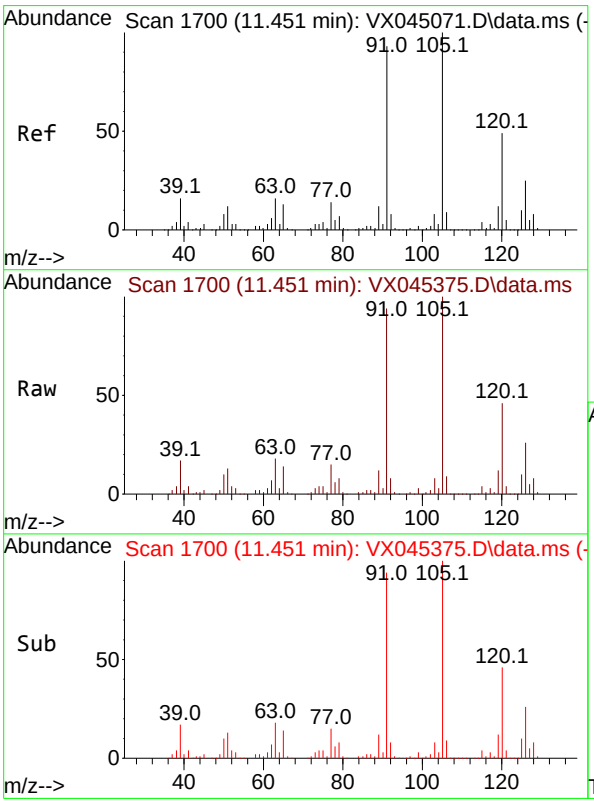
#81
trans-1,4-Dichloro-2-butene
Concen: 61.185 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 26280

Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	44.4	36.2	54.4

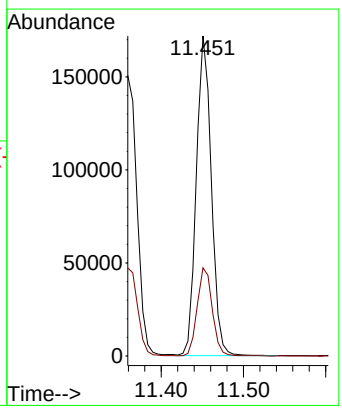


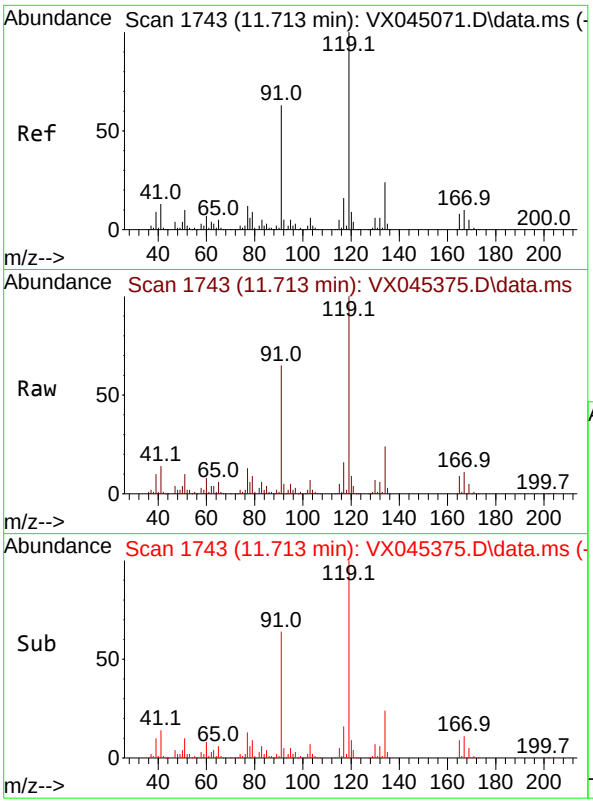


#82
4-Chlorotoluene
Concen: 56.390 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 91 Resp: 217941

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



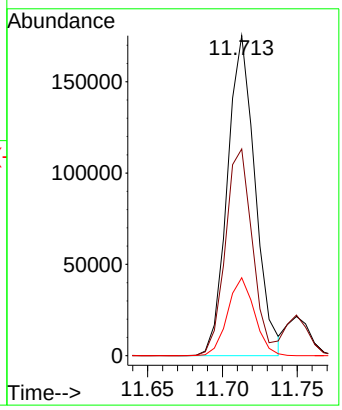


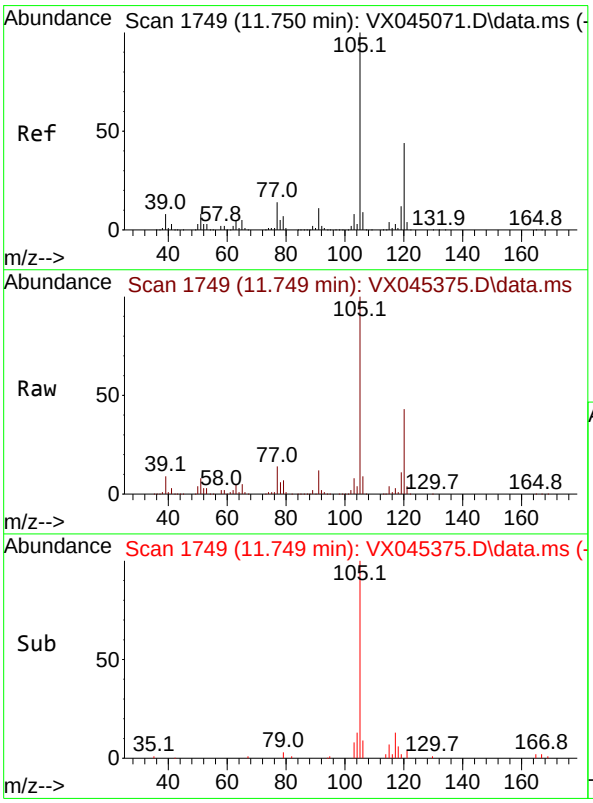
#83
tert-Butylbenzene
Concen: 55.097 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 225635

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.6	11.7	35.0

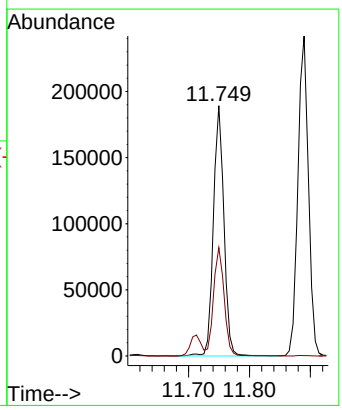


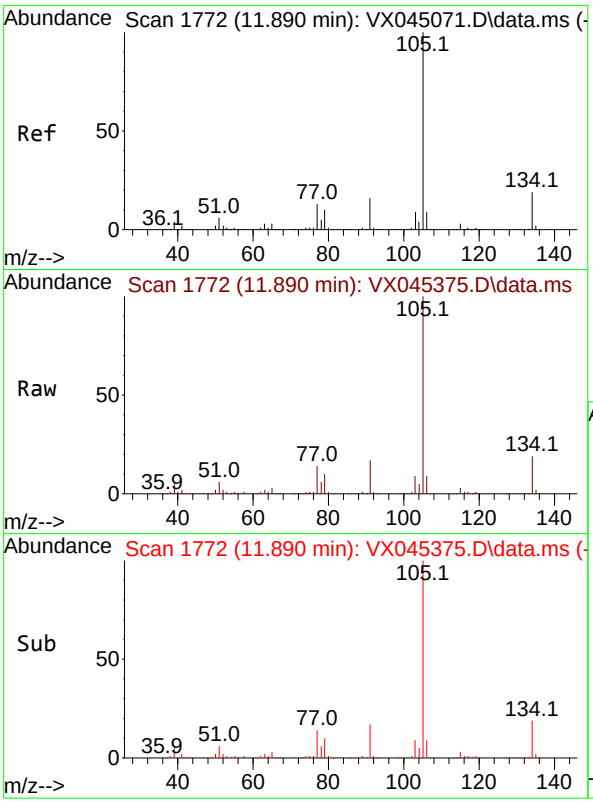


#84
1,2,4-Trimethylbenzene
Concen: 56.511 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:105 Resp: 226630

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



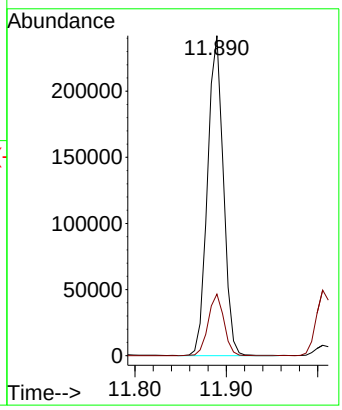


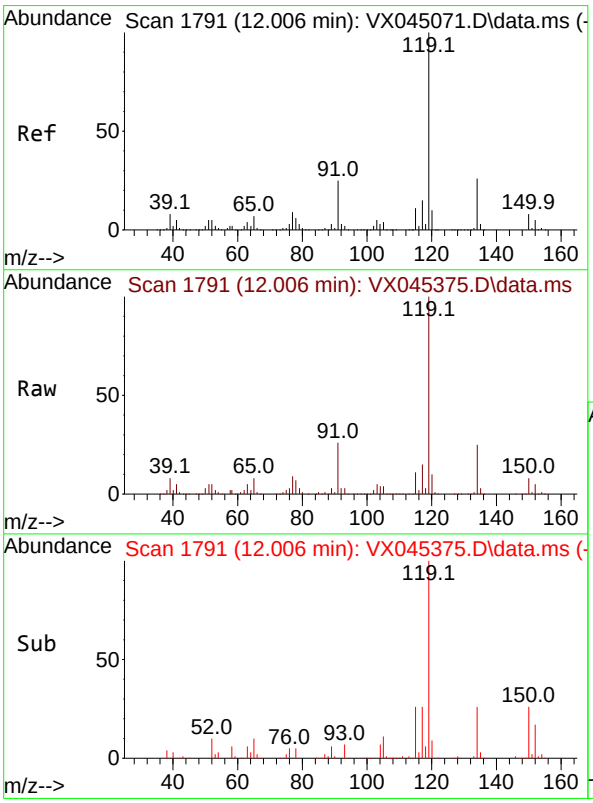
#85
sec-Butylbenzene
Concen: 59.284 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 290816

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

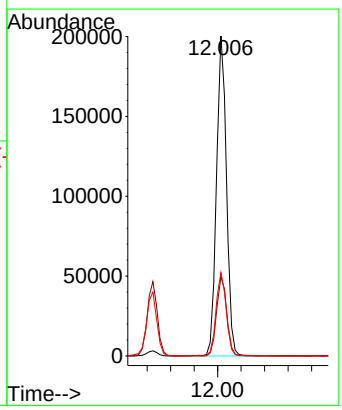


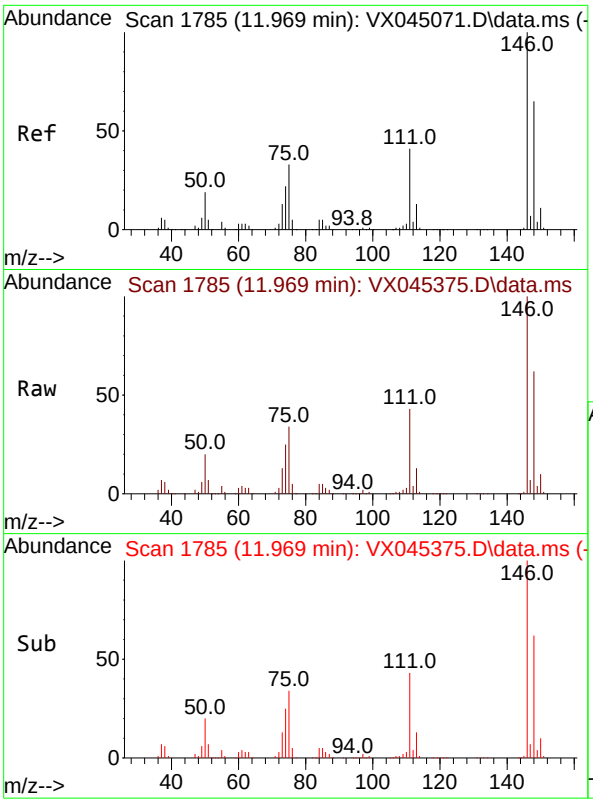


#86
p-Isopropyltoluene
Concen: 59.464 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:119 Resp: 235736

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.3	12.7	38.0



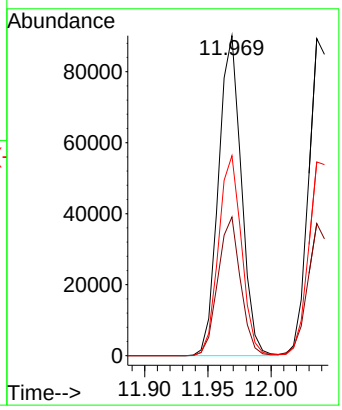


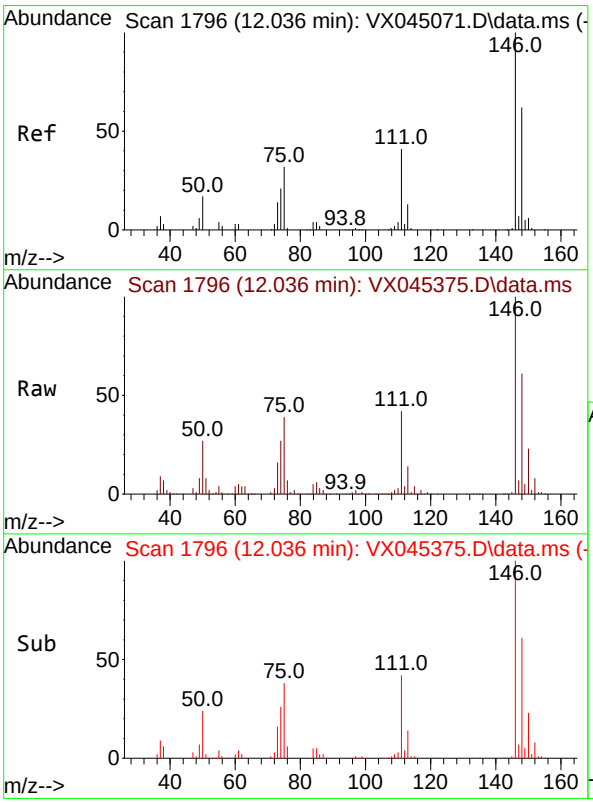
#87
1,3-Dichlorobenzene
Concen: 54.523 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 113122

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	62.9	31.9	95.7

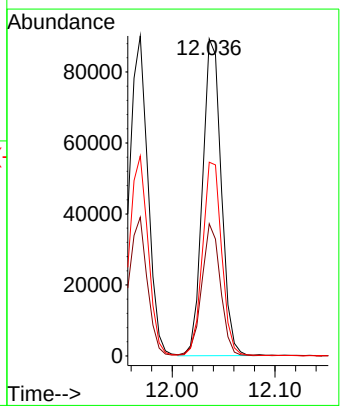


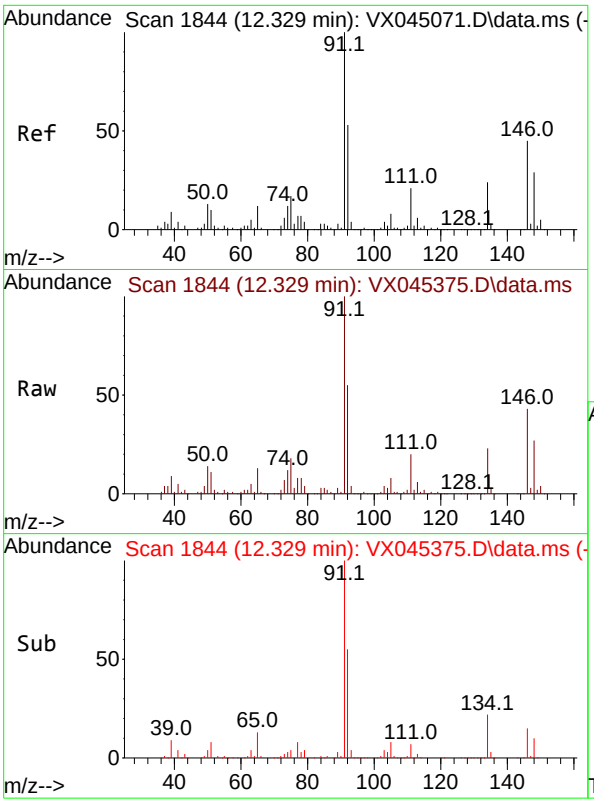


#88
1,4-Dichlorobenzene
Concen: 53.992 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:146 Resp: 113332

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.2	60.5
148	62.4	31.9	95.9



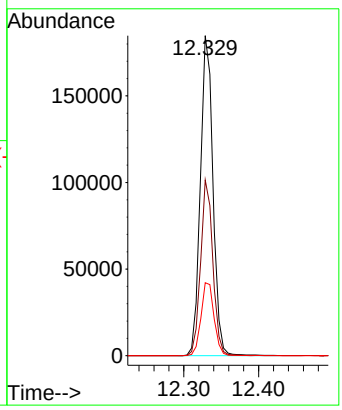


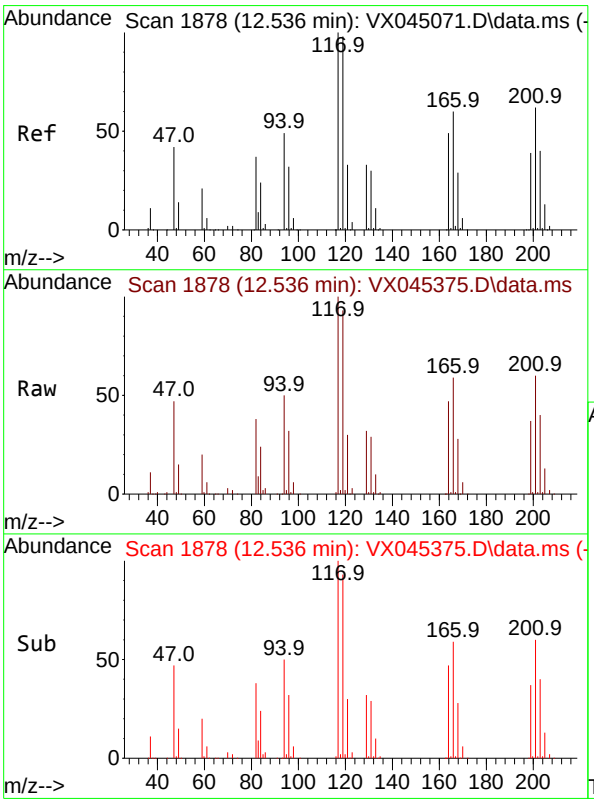
#89
n-Butylbenzene
Concen: 63.349 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 216299

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	23.7	12.2	36.6

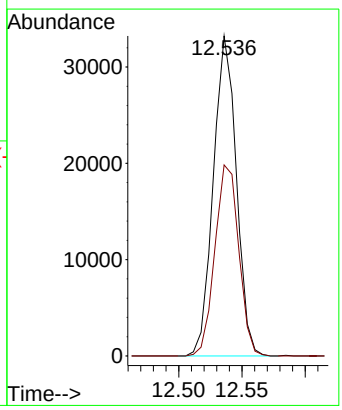


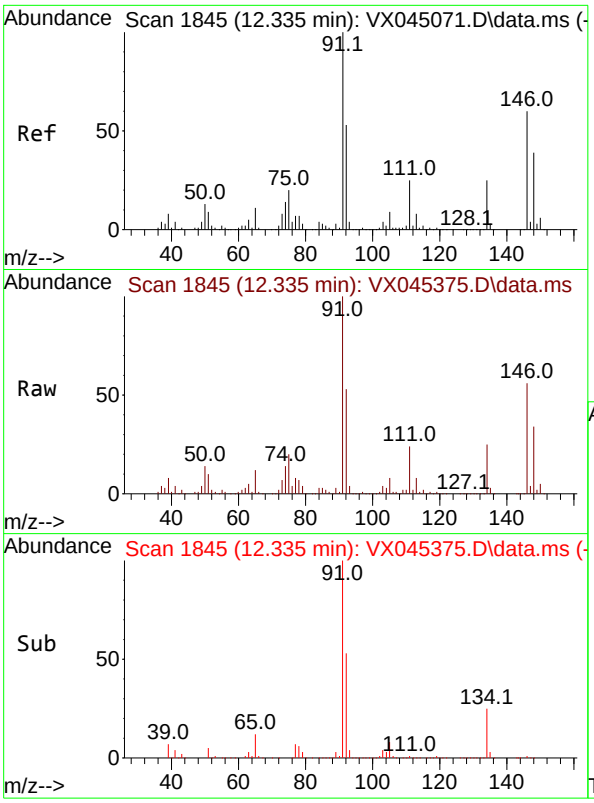


#90
Hexachloroethane
Concen: 58.585 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:117 Resp: 42009

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.9	95.9



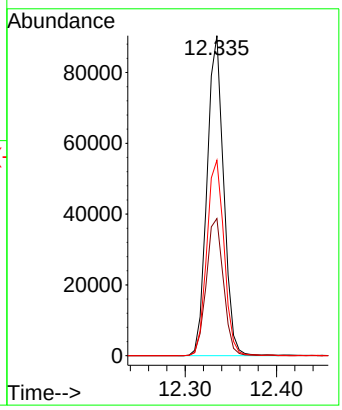


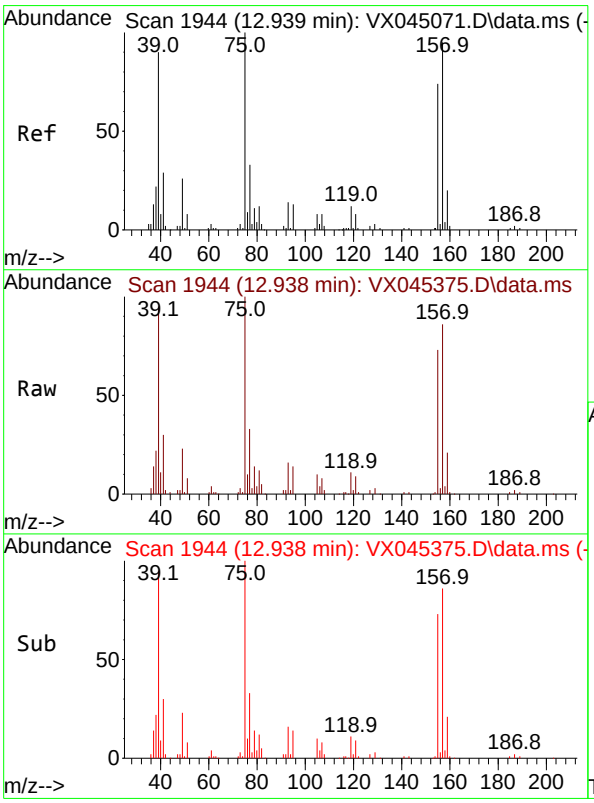
#91
1,2-Dichlorobenzene
Concen: 54.663 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 113769

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	63.5	31.9	95.9

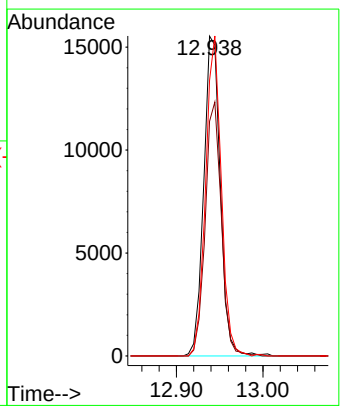


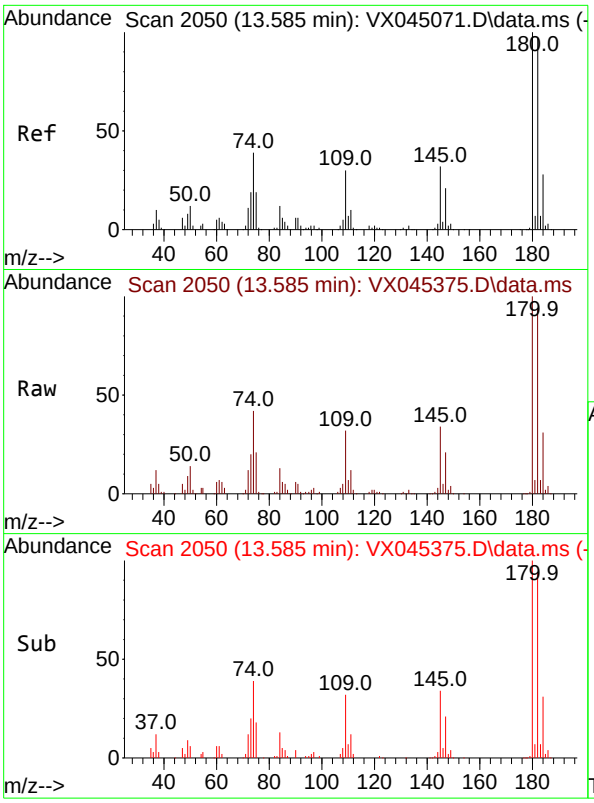


#92
1,2-Dibromo-3-Chloropropane
Concen: 58.578 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion: 75 Resp: 20643

Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.6	118.7
157	94.2	51.1	153.4



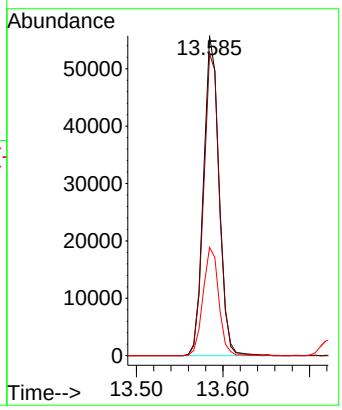


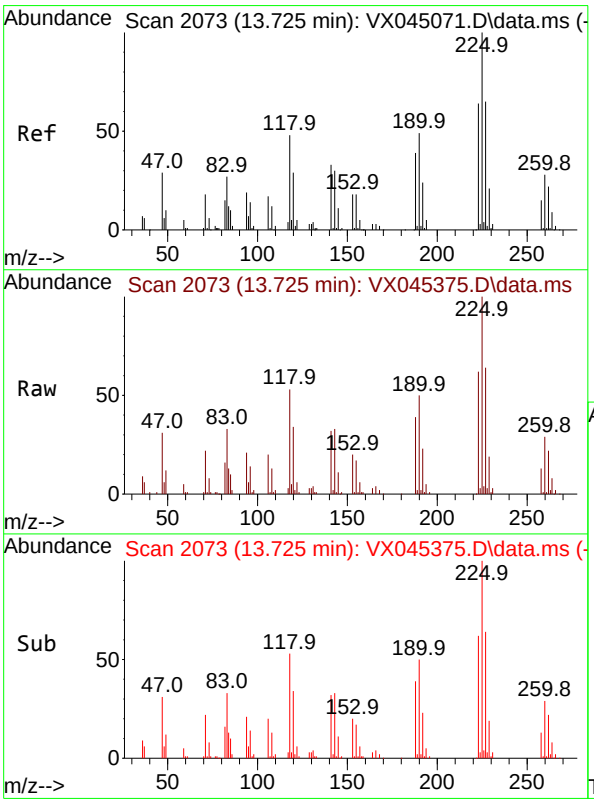
#93
1,2,4-Trichlorobenzene
Concen: 58.569 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 69410

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	34.3	16.3	48.9

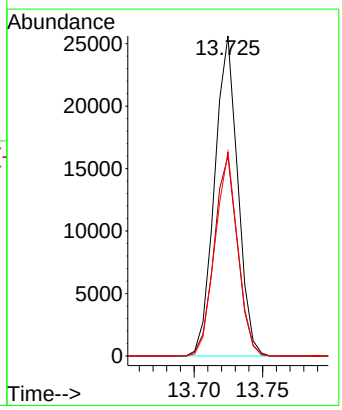


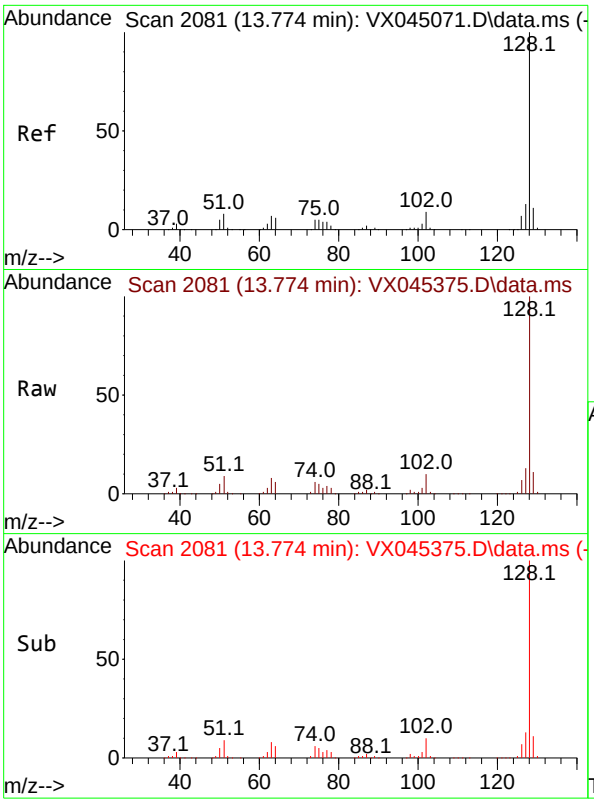


#94
Hexachlorobutadiene
Concen: 61.947 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:225 Resp: 30098

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	62.5	31.4	94.0



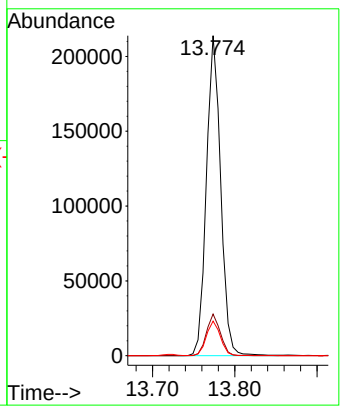


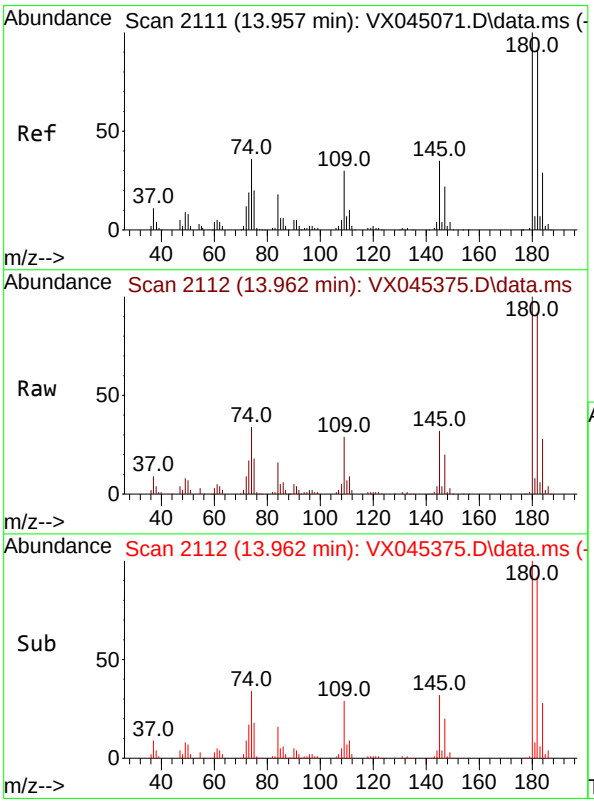
#95
Naphthalene
Concen: 56.574 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 257595

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

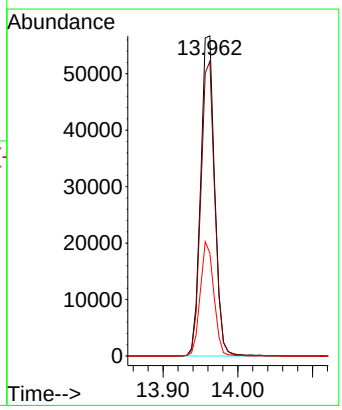




#96
1,2,3-Trichlorobenzene
Concen: 58.994 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045375.D
Acq: 21 Mar 2025 10:00

Tgt Ion:180 Resp: 73755

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	34.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84283	54.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	5.379	113	62362	54.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	8.647	98	214191	51.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
62) 4-Bromofluorobenzene	11.079	95	75709	54.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21480	17.637	ug/l	98
3) Chloromethane	1.307	50	22820	15.311	ug/l	97
4) Vinyl Chloride	1.374	62	22773	15.402	ug/l	97
5) Bromomethane	1.593	94	10588	18.216	ug/l	97
6) Chloroethane	1.666	64	13149	19.280	ug/l	90
7) Trichlorofluoromethane	1.874	101	35122	17.944	ug/l	99
8) Diethyl Ether	2.136	74	12753	16.658	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	23148	20.585	ug/l	99
10) Methyl Iodide	2.447	142	25952	18.467	ug/l	95
11) Tert butyl alcohol	2.977	59	23822	81.717	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21513	18.095	ug/l	98
13) Acrolein	2.233	56	21483	63.751	ug/l	99
14) Allyl chloride	2.660	41	41510	19.614	ug/l	95
15) Acrylonitrile	3.062	53	77525	99.226	ug/l	99
16) Acetone	2.386	43	71194	99.703	ug/l	96
17) Carbon Disulfide	2.502	76	44077	13.919	ug/l	97
18) Methyl Acetate	2.703	43	44730	26.039	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	76764	19.245	ug/l	99
20) Methylene Chloride	2.782	84	26573	18.787	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	21498	18.303	ug/l	91
22) Diisopropyl ether	3.763	45	82977	19.279	ug/l	93
23) Vinyl Acetate	3.721	43	341214	94.998	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46682	19.353	ug/l	99
25) 2-Butanone	4.556	43	110748	103.037	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31567	27.900	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	28067	19.357	ug/l	95
28) Bromochloromethane	4.897	49	19780	17.204	ug/l	97
29) Tetrahydrofuran	5.007	42	69505	96.293	ug/l	99
30) Chloroform	5.086	83	48407	20.197	ug/l	99
31) Cyclohexane	5.458	56	38272	18.278	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	39203	20.252	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30230	19.120	ug/l	99
37) Ethyl Acetate	4.715	43	40284	19.773	ug/l	98
38) Carbon Tetrachloride	5.672	117	32250	20.091	ug/l	98
39) Methylcyclohexane	7.379	83	36277	19.149	ug/l	99
40) Benzene	6.031	78	95825	19.193	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	23213	21.072	ug/l		99
42) 1,2-Dichloroethane	6.086	62	38881	21.626	ug/l		97
43) Isopropyl Acetate	6.342	43	59503	19.752	ug/l		98
44) Trichloroethene	7.123	130	21906	18.686	ug/l		100
45) 1,2-Dichloropropane	7.434	63	24666	19.215	ug/l		96
46) Dibromomethane	7.580	93	18645	20.550	ug/l		97
47) Bromodichloromethane	7.818	83	36796	20.676	ug/l		97
48) Methyl methacrylate	7.690	41	31076	20.561	ug/l		93
49) 1,4-Dioxane	7.659	88	11706	367.178	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	217755	107.651	ug/l		98
52) Toluene	8.714	92	58017	19.806	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	29944	20.126	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	34903	20.118	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	24624	20.419	ug/l		96
56) Ethyl methacrylate	9.116	69	36468	19.895	ug/l		92
57) 1,3-Dichloropropane	9.305	76	41844	20.051	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	82742	92.534	ug/l		99
59) 2-Hexanone	9.427	43	156185	106.568	ug/l		98
60) Dibromochloromethane	9.519	129	26419	20.953	ug/l		100
61) 1,2-Dibromoethane	9.610	107	24108	20.026	ug/l		98
64) Tetrachloroethene	9.275	164	19136	19.712	ug/l		95
65) Chlorobenzene	10.079	112	62607	19.520	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20934	19.599	ug/l		99
67) Ethyl Benzene	10.189	91	111231	19.903	ug/l		99
68) m/p-Xylenes	10.299	106	81773	39.971	ug/l		96
69) o-Xylene	10.640	106	40780	19.764	ug/l		97
70) Styrene	10.652	104	67582	20.243	ug/l		98
71) Bromoform	10.799	173	16152	20.054	ug/l	#	98
73) Isopropylbenzene	10.957	105	106888	20.350	ug/l		99
74) N-amyl acetate	10.841	43	48367	19.624	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	39325	20.402	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	38768	24.752	ug/l		88
77) Bromobenzene	11.195	156	24014	19.377	ug/l		96
78) n-propylbenzene	11.299	91	122726	20.684	ug/l		97
79) 2-Chlorotoluene	11.360	91	75398	19.953	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	88815	20.912	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8915	19.479	ug/l		85
82) 4-Chlorotoluene	11.451	91	83886	20.369	ug/l		100
83) tert-Butylbenzene	11.713	119	88650	20.315	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	88039	20.602	ug/l		97
85) sec-Butylbenzene	11.890	105	111484	21.328	ug/l		99
86) p-Isopropyltoluene	12.006	119	87777	20.779	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	42267	19.118	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	43137	19.286	ug/l		98
89) n-Butylbenzene	12.329	91	75986	20.885	ug/l		99
90) Hexachloroethane	12.536	117	15167	19.850	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	43534	19.630	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7492	19.952	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	23239	18.403	ug/l		98
94) Hexachlorobutadiene	13.725	225	10353	19.997	ug/l		98
95) Naphthalene	13.774	128	90512	18.655	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	24680	18.526	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

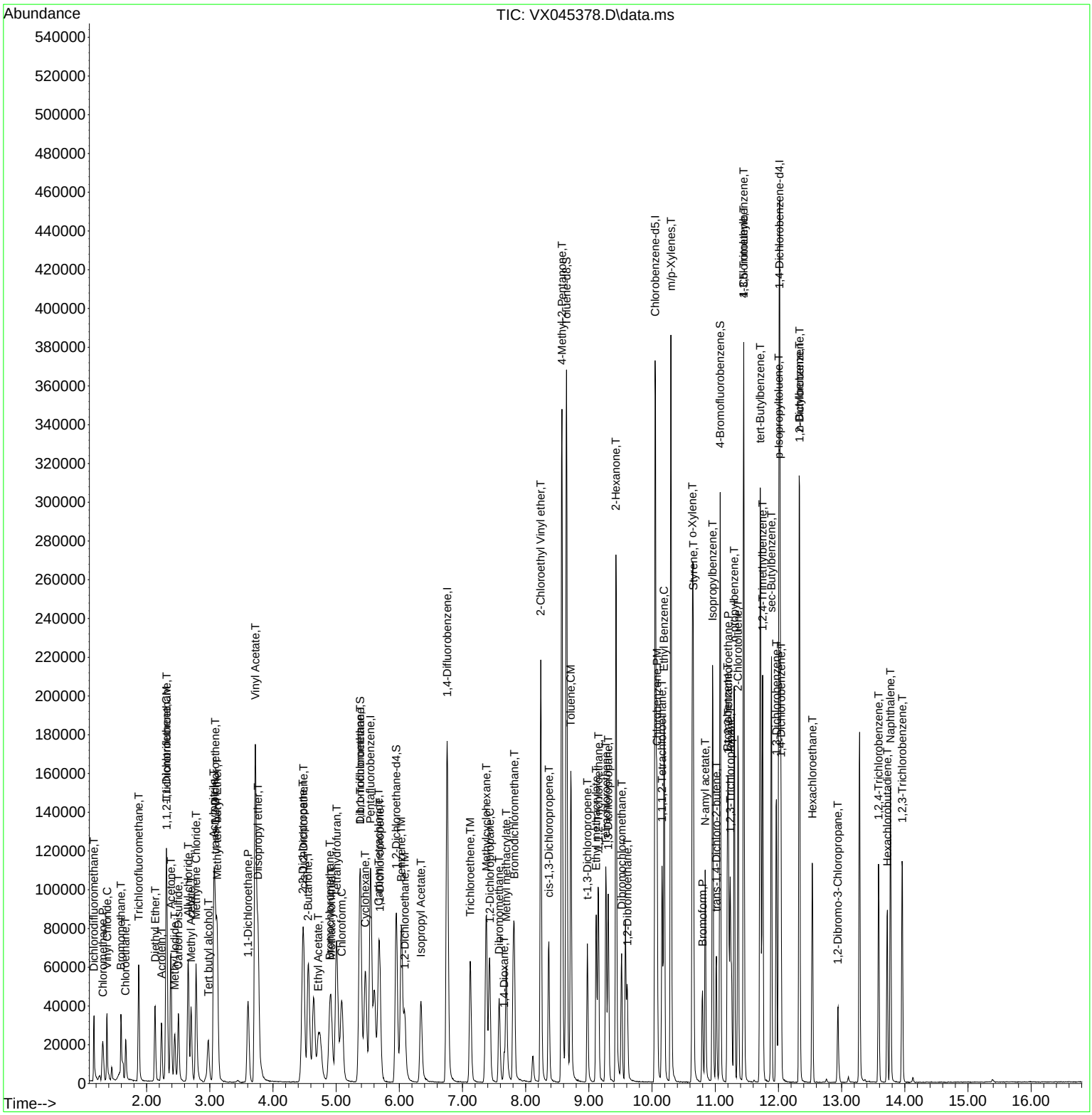
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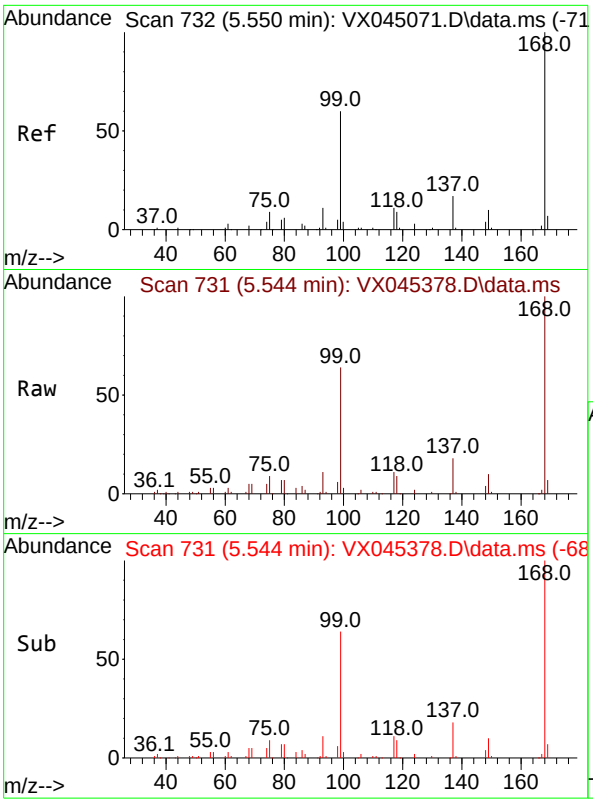
Quantitation Report (Not Reviewed)

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Data File : VX045378.D
Acq On : 21 Mar 2025 11:15
Operator : JC/MD
Sample : VX0321WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Quant Time: Mar 21 23:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



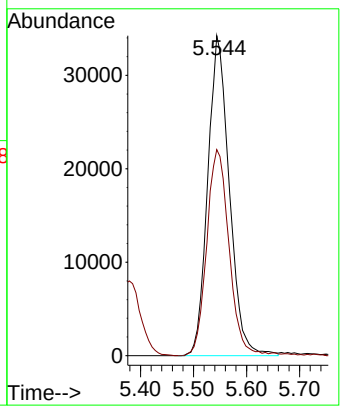


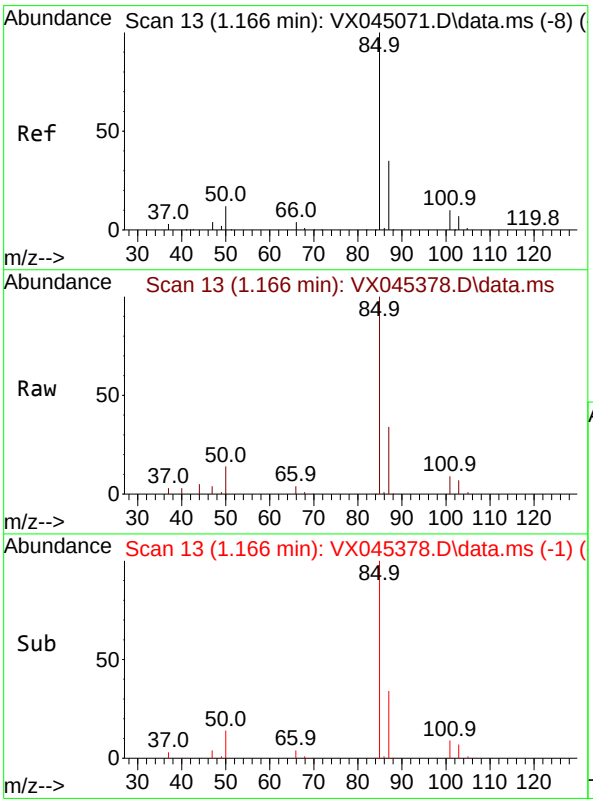
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:168 Resp: 96755

Ion	Ratio	Lower	Upper
168	100		
99	64.4	48.2	72.4

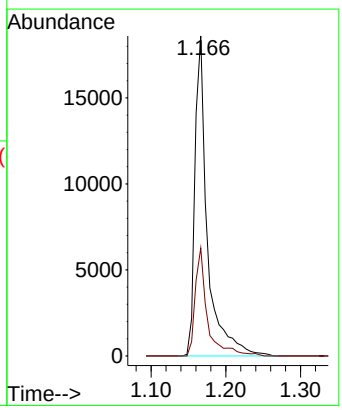


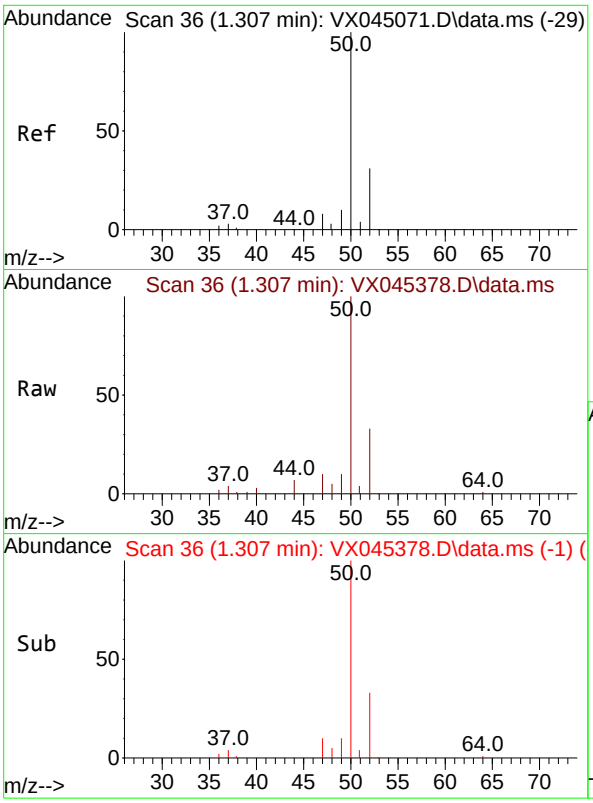


#2
Dichlorodifluoromethane
Concen: 17.637 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 85 Resp: 21480

Ion	Ratio	Lower	Upper
85	100		
87	33.7	17.4	52.3



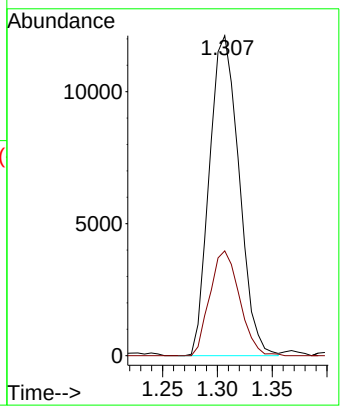


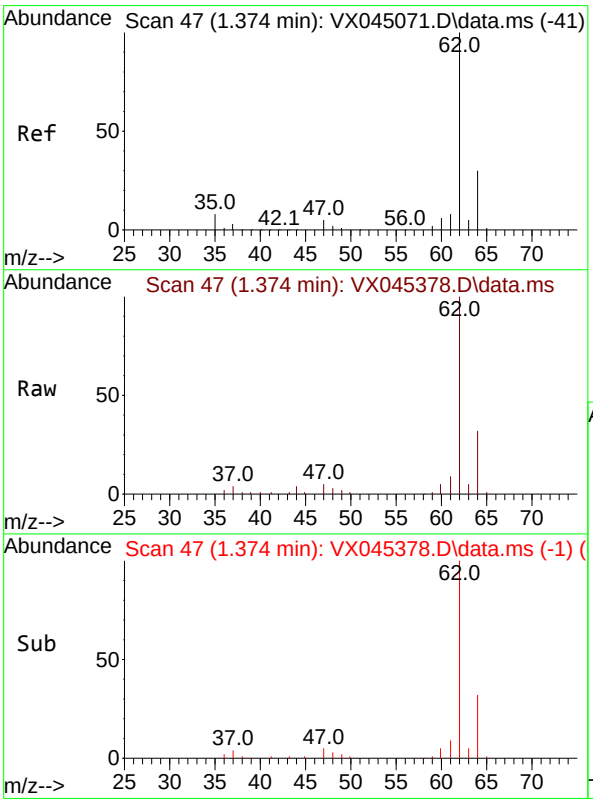
#3
Chloromethane
Concen: 15.311 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 50 Resp: 22820

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4

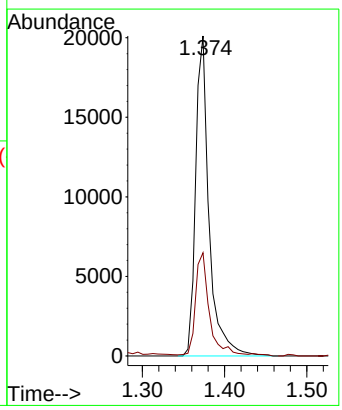


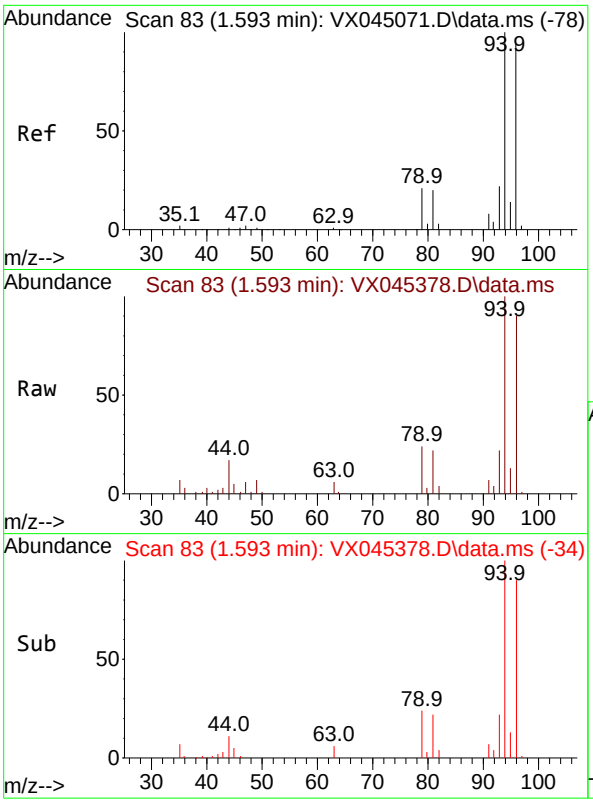


#4
Vinyl Chloride
Concen: 15.402 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 22773

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



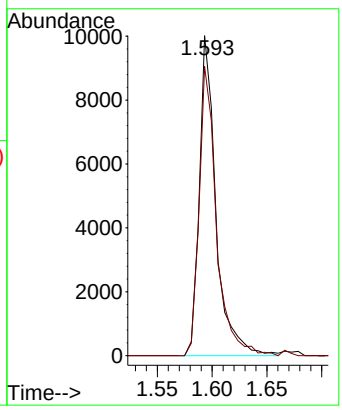


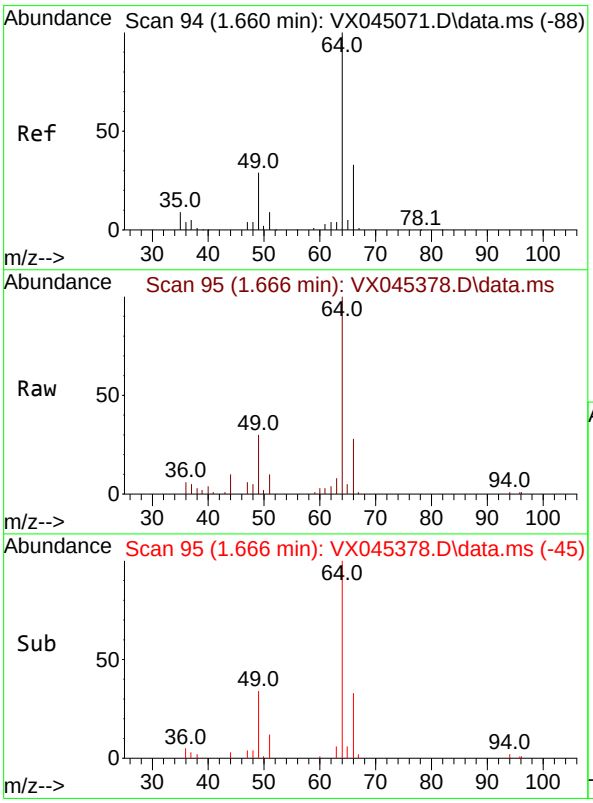
#5
Bromomethane
Concen: 18.216 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 94 Resp: 10588

Ion	Ratio	Lower	Upper
94	100		
96	90.4	75.0	112.4

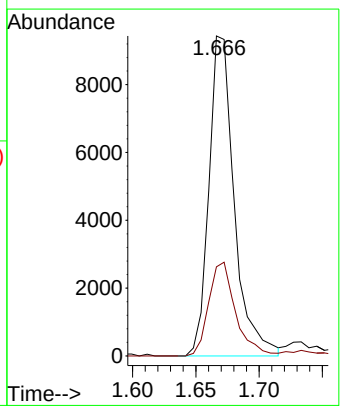


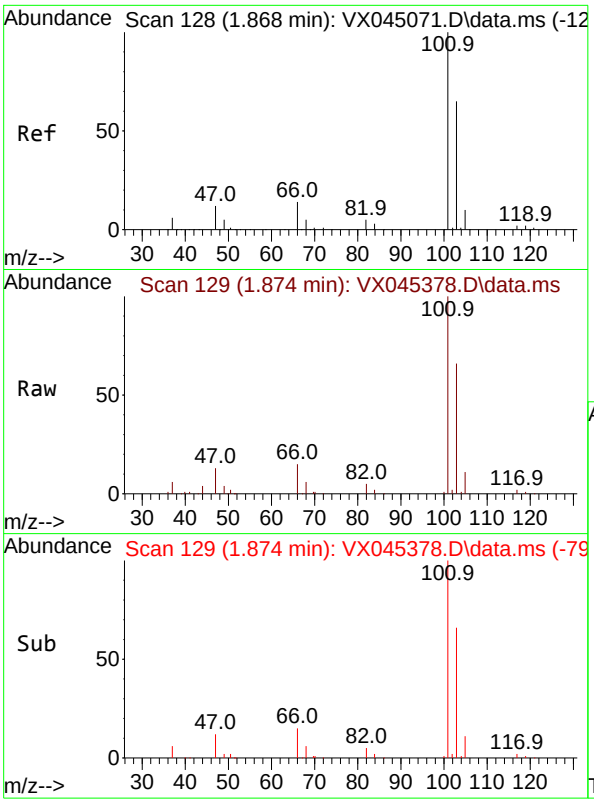


#6
Chloroethane
Concen: 19.280 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 64 Resp: 13149

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.7	40.1



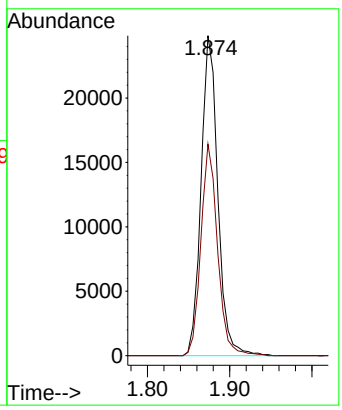


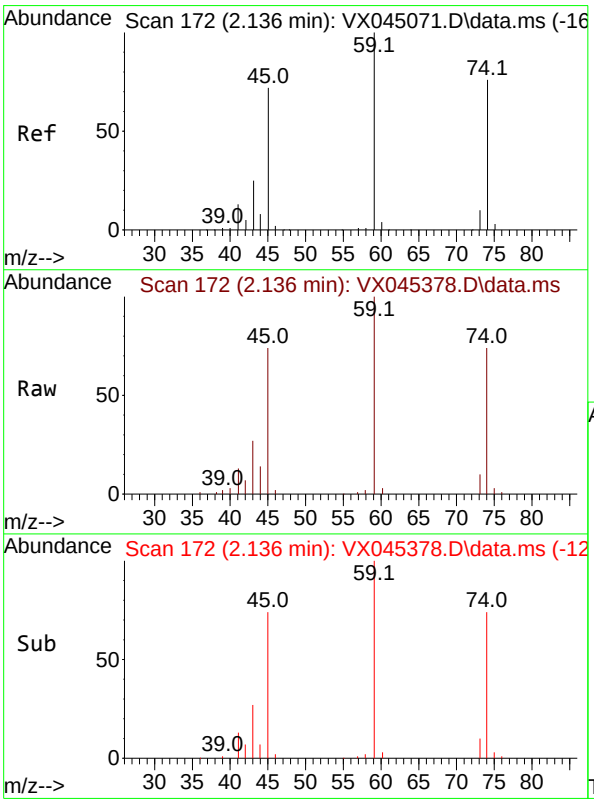
#7
Trichlorofluoromethane
Concen: 17.944 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:101 Resp: 35122

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.1	78.1

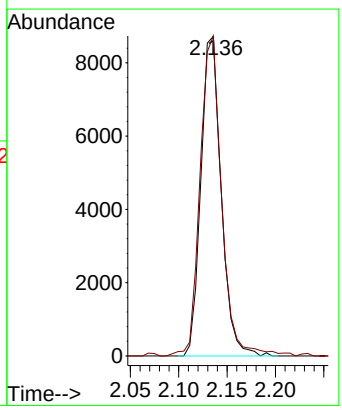


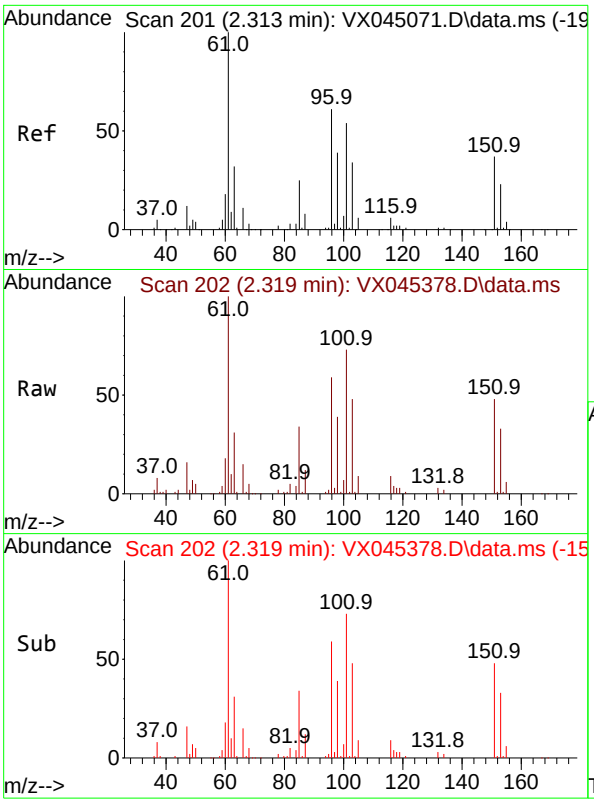


#8
Diethyl Ether
Concen: 16.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 74 Resp: 12753

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5



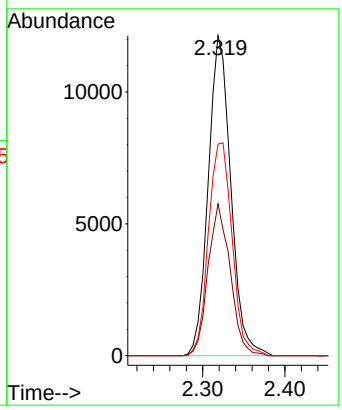


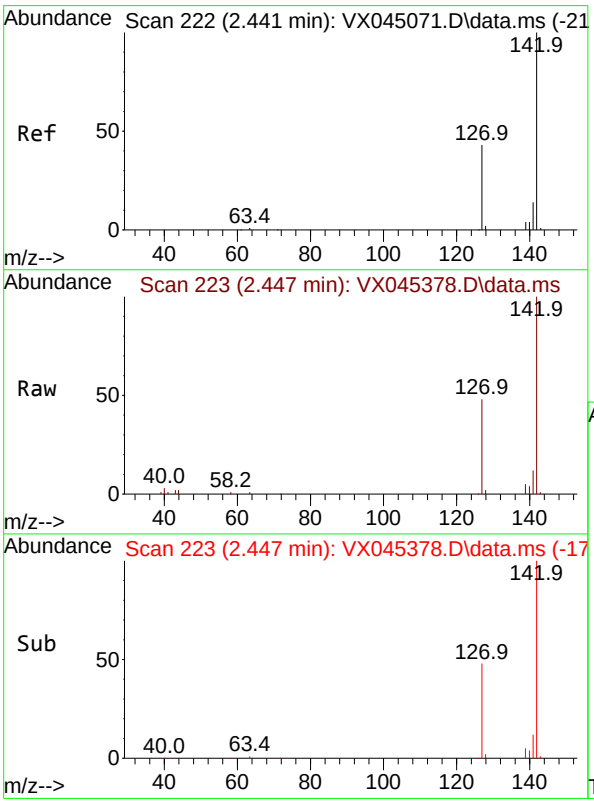
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.585 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:101 Resp: 23148

Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.2	54.4
151	69.8	56.4	84.6

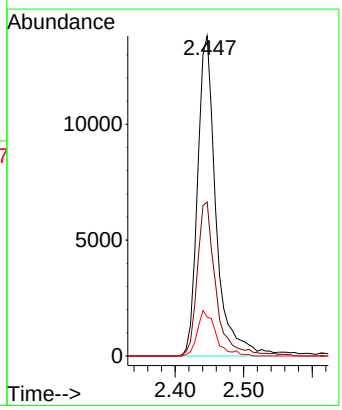


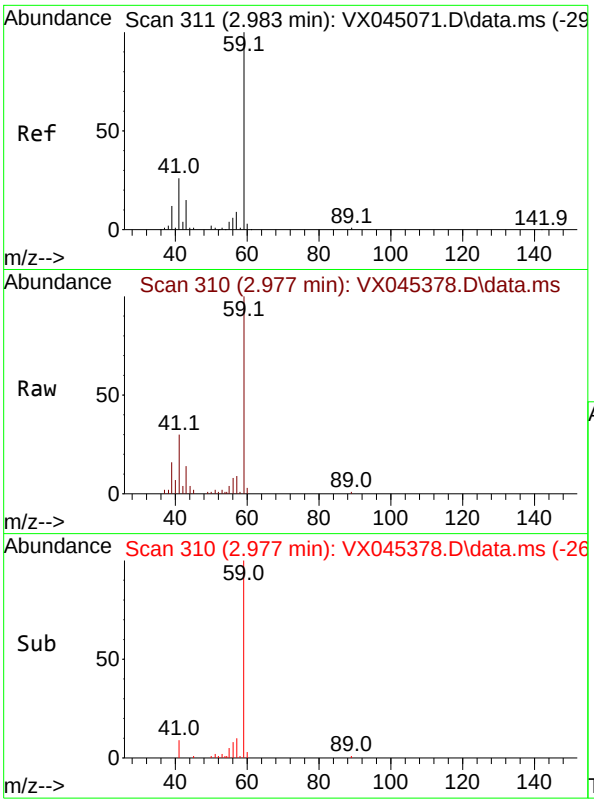


#10
Methyl Iodide
Concen: 18.467 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:142 Resp: 25952

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.4	53.2
141	14.2	11.6	17.4



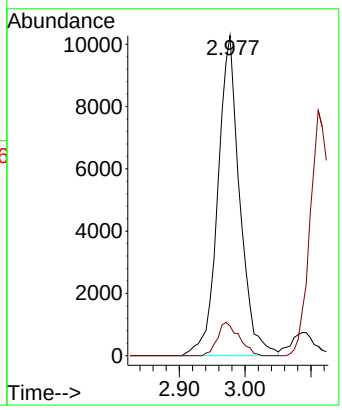


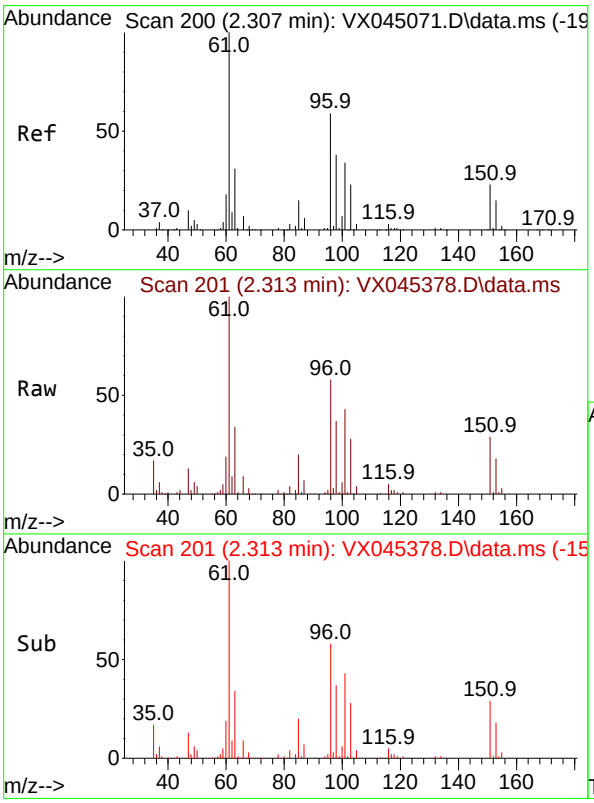
#11
Tert butyl alcohol
Concen: 81.717 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 59 Resp: 23822

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

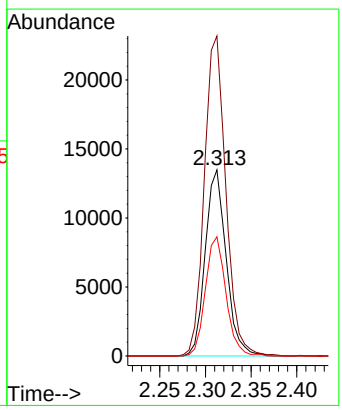


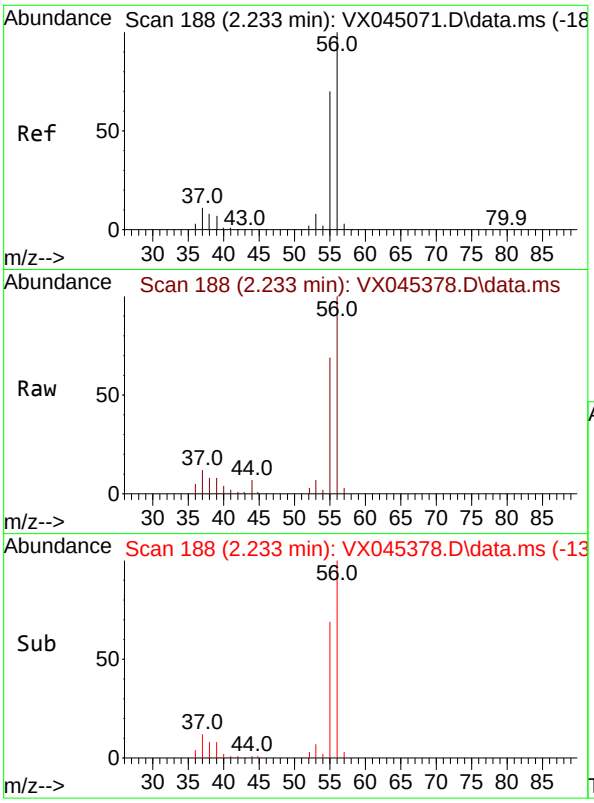


#12
1,1-Dichloroethene
Concen: 18.095 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 96 Resp: 21513

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.6	202.0
98	64.1	51.0	76.6



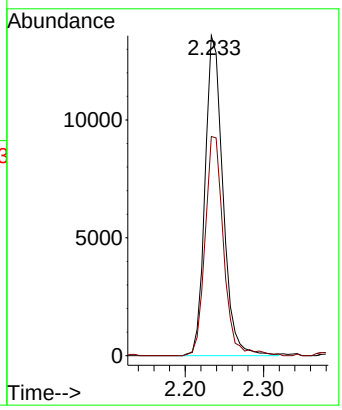


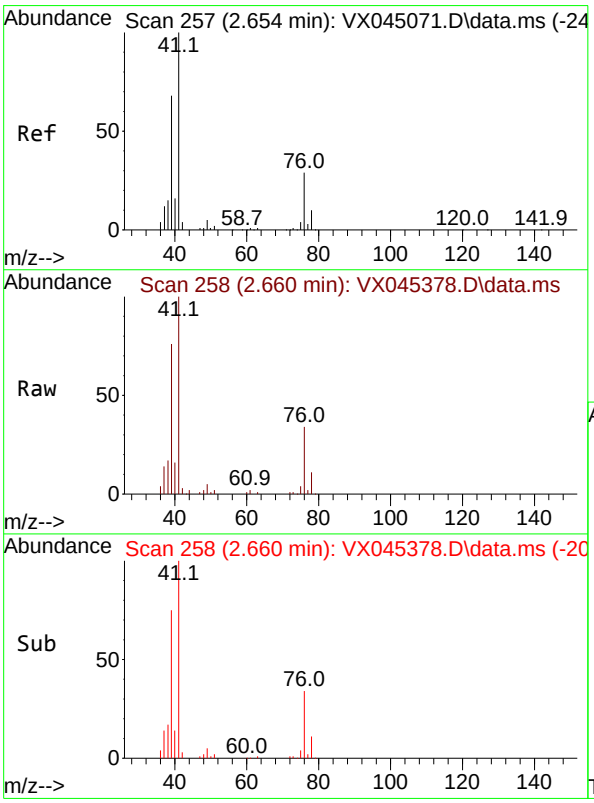
#13
Acrolein
Concen: 63.751 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 56 Resp: 21483

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

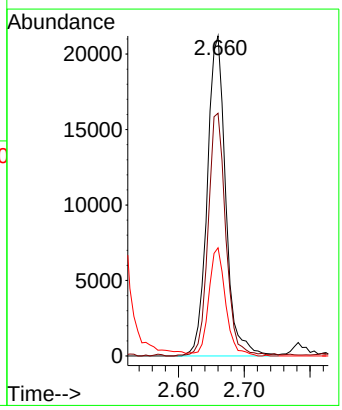


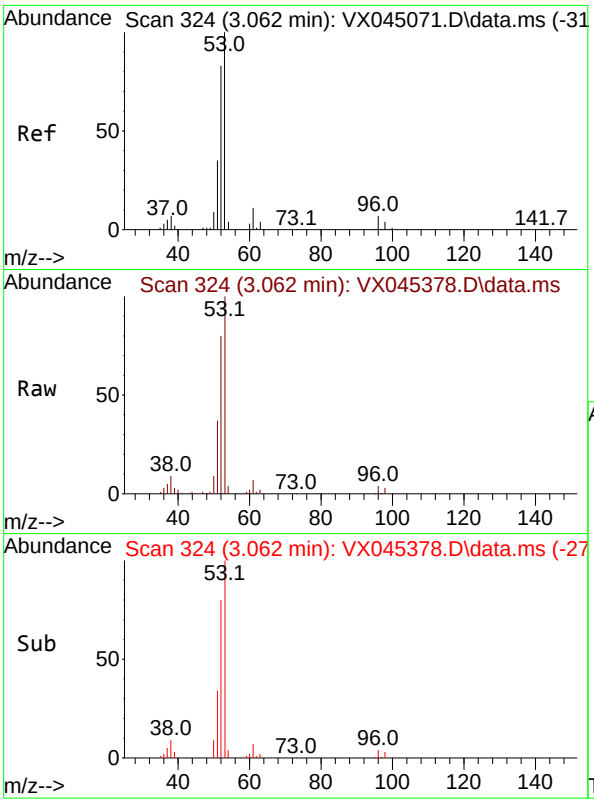


#14
Allyl chloride
Concen: 19.614 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 41510

Ion	Ratio	Lower	Upper
41	100		
39	72.3	53.8	80.8
76	30.6	25.2	37.8



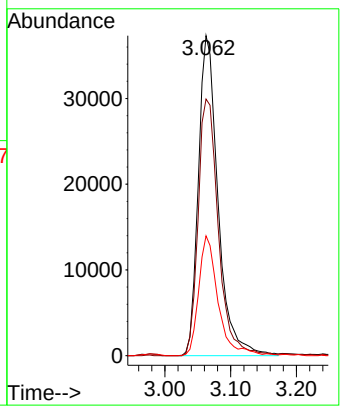


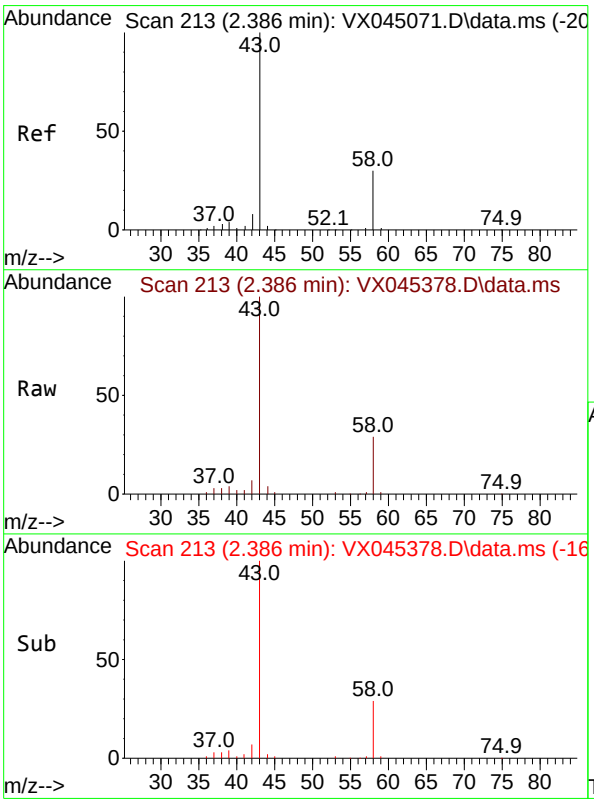
#15
Acrylonitrile
Concen: 99.226 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 53 Resp: 77525

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.0	29.0	43.4

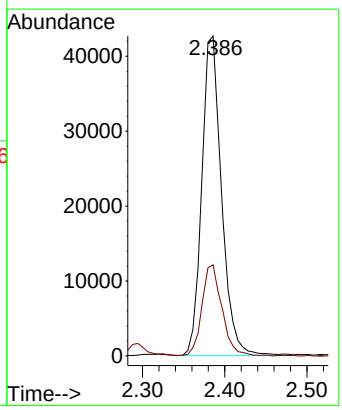


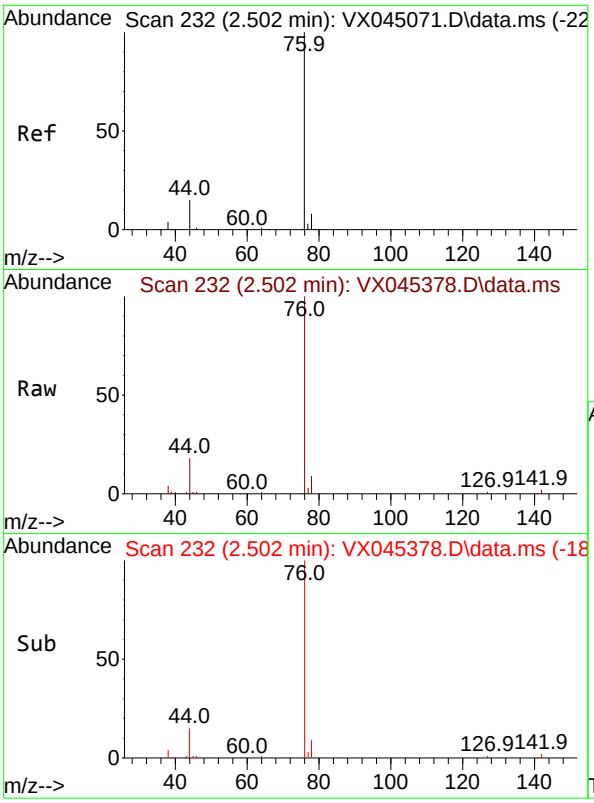


#16
Acetone
Concen: 99.703 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 71194

Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.2	36.4



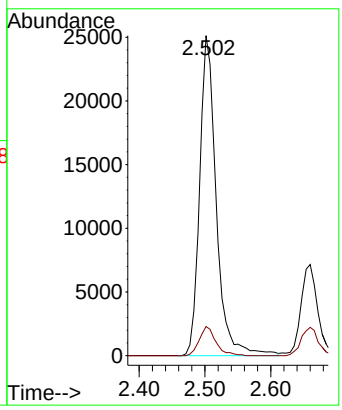


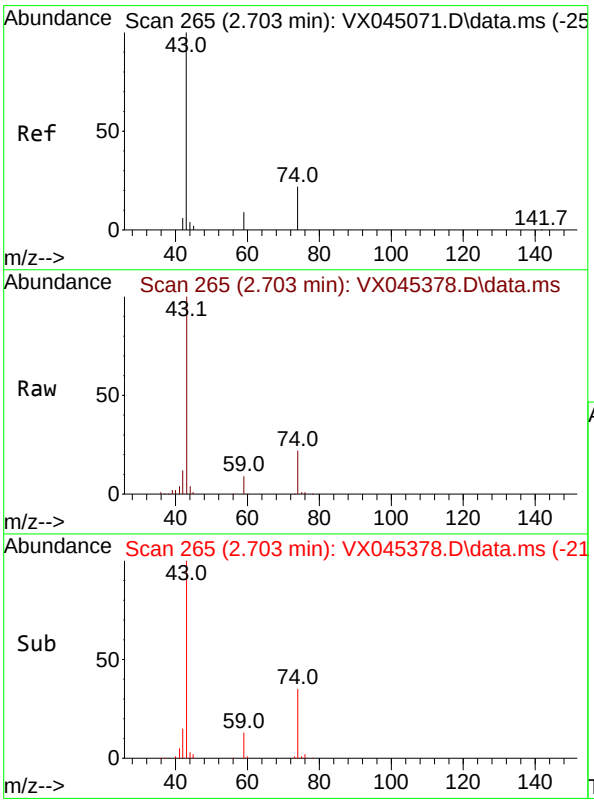
#17
Carbon Disulfide
Concen: 13.919 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 76 Resp: 44077

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

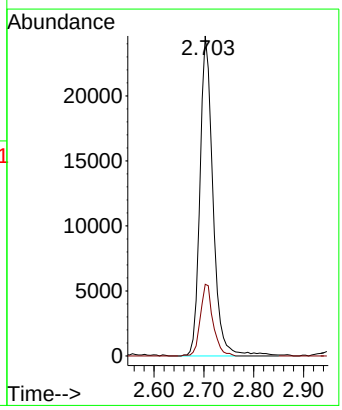


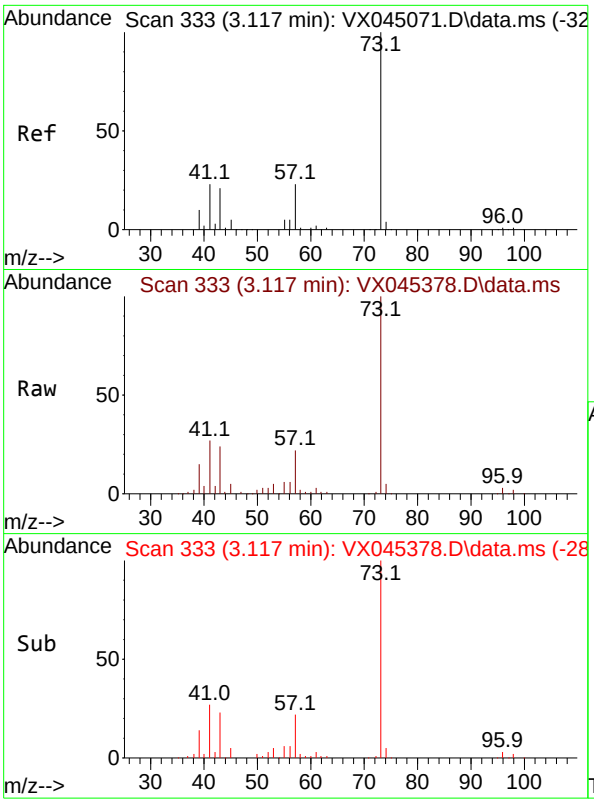


#18
Methyl Acetate
Concen: 26.039 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 44730

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



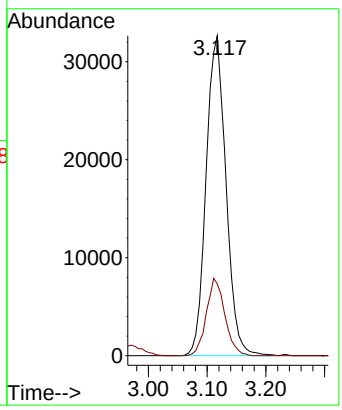


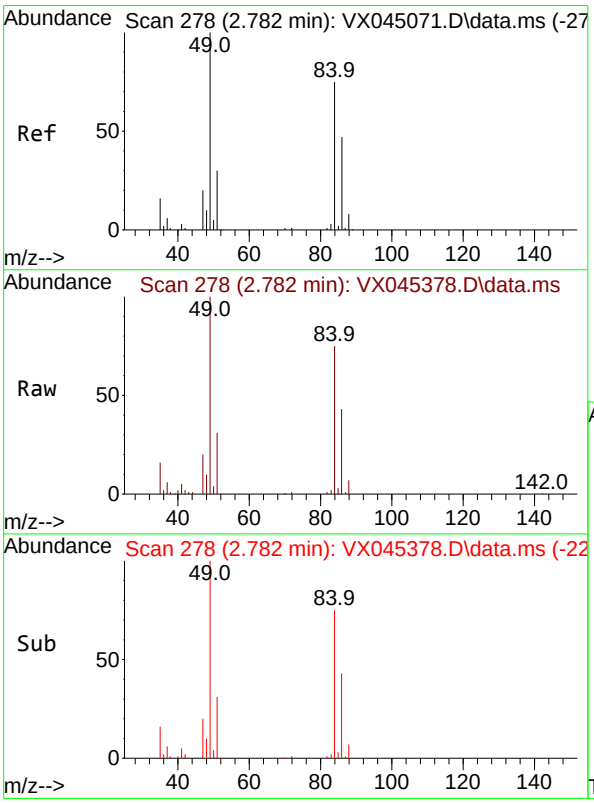
#19
Methyl tert-butyl Ether
Concen: 19.245 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 73 Resp: 76764

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

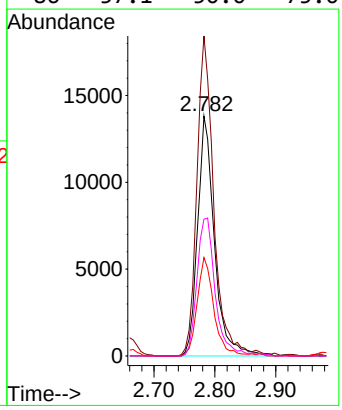


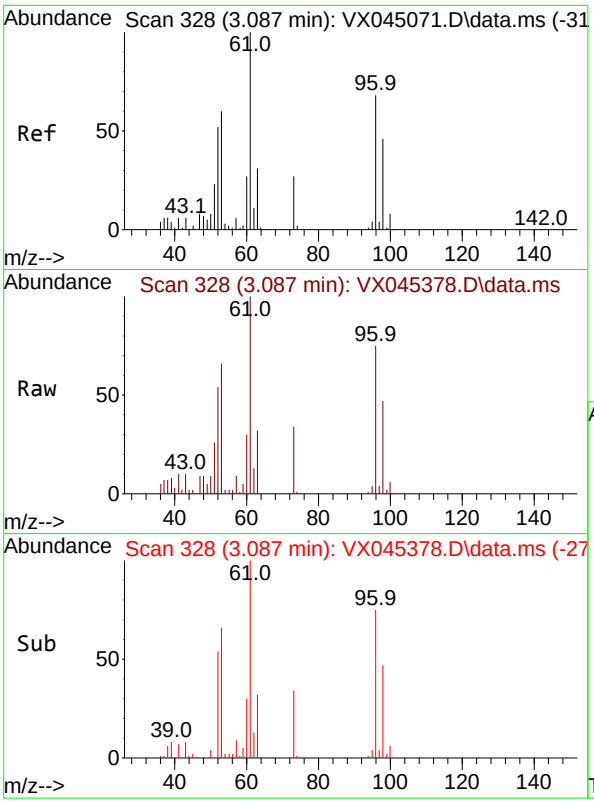


#20
Methylene Chloride
Concen: 18.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 84 Resp: 26573

Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.5	159.7
51	41.0	32.1	48.1
86	57.1	50.0	75.0



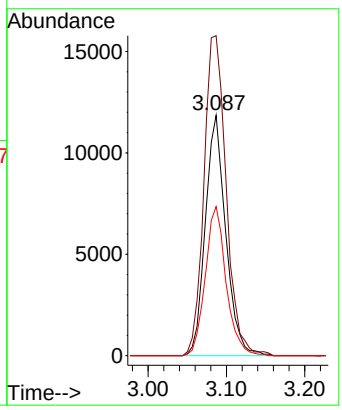


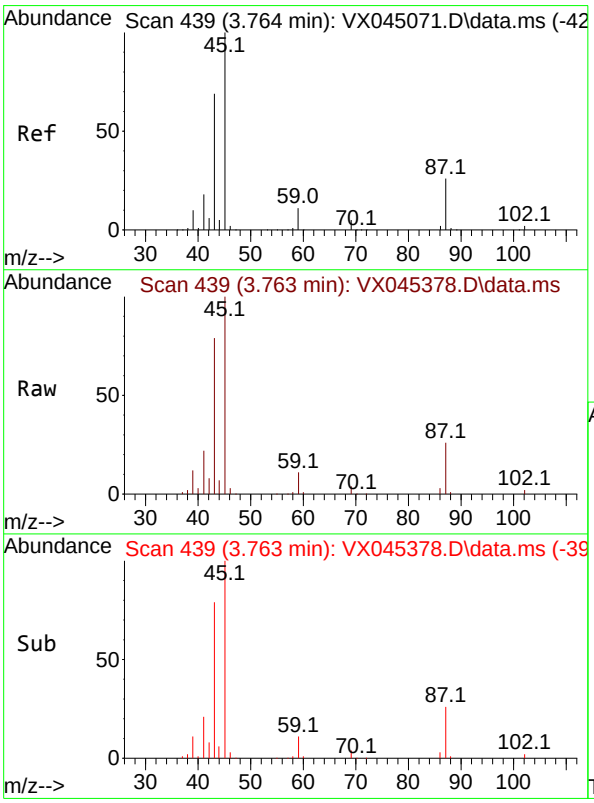
#21
trans-1,2-Dichloroethene
Concen: 18.303 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 96 Resp: 21498

Ion	Ratio	Lower	Upper
96	100		
61	133.1	117.0	175.4
98	62.0	53.4	80.2

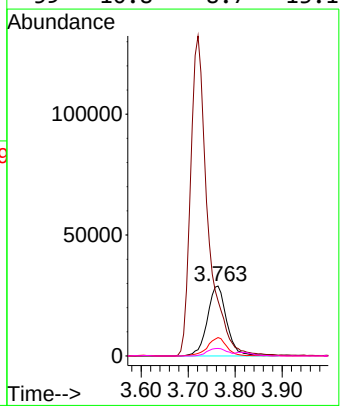


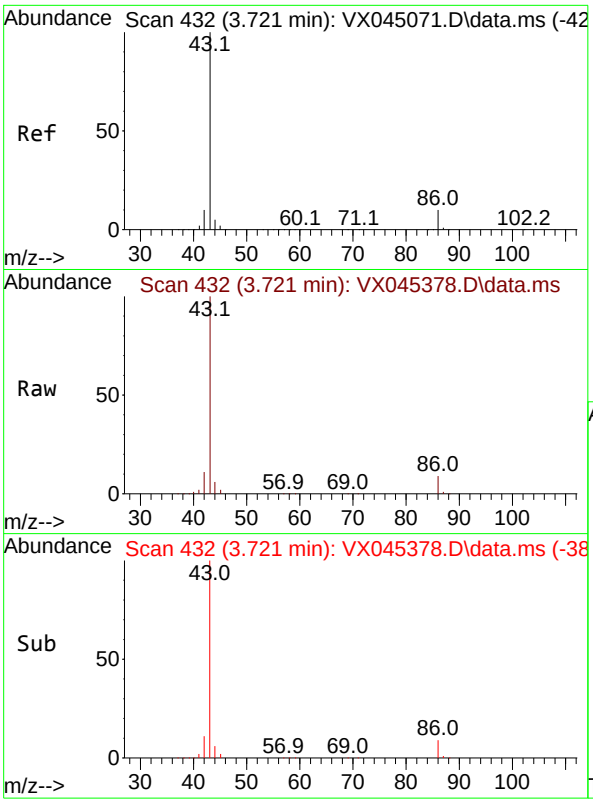


#22
Diisopropyl ether
Concen: 19.279 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 45 Resp: 82977

Ion	Ratio	Lower	Upper
45	100		
43	77.9	54.9	82.3
87	26.3	21.0	31.4
59	10.8	8.7	13.1



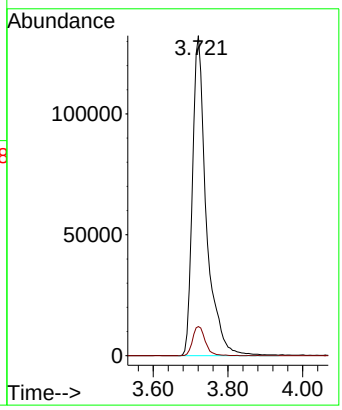


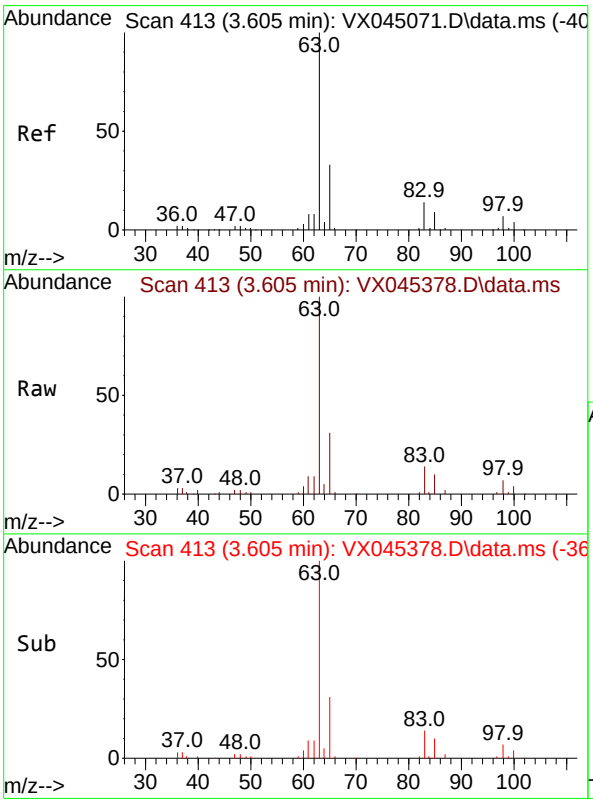
#23
Vinyl Acetate
Concen: 94.998 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 341214

Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.1	12.1

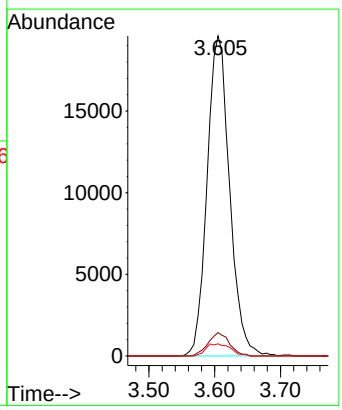


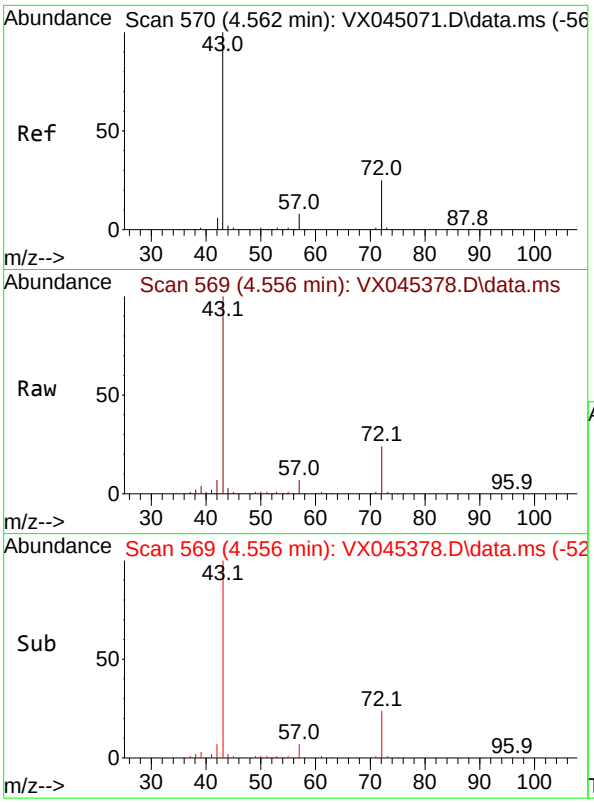


#24
1,1-Dichloroethane
Concen: 19.353 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 46682

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.1	6.5



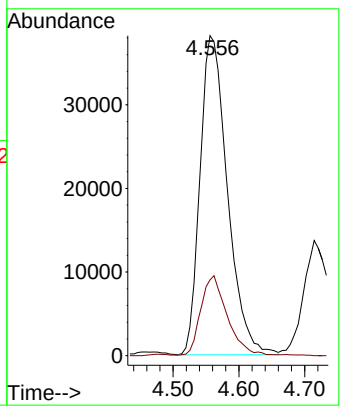


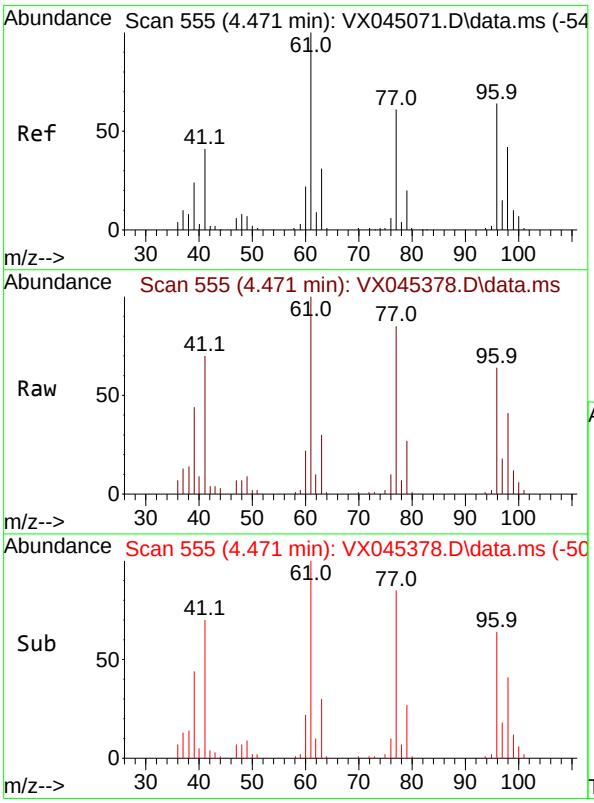
#25
2-Butanone
Concen: 103.037 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 110748

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.0	30.0

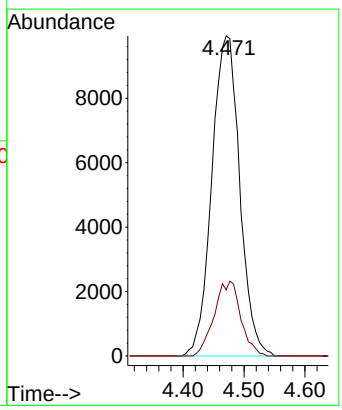


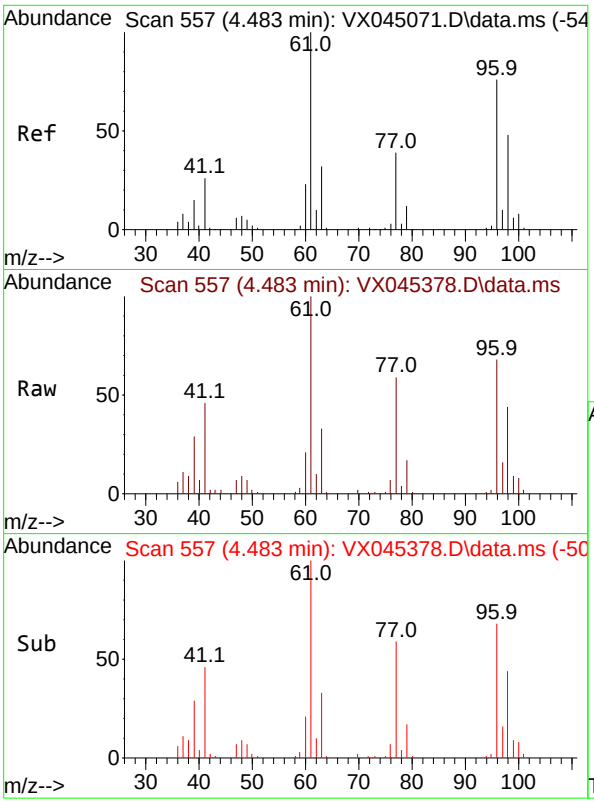


#26
2,2-Dichloropropane
Concen: 27.900 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 77 Resp: 31567

Ion	Ratio	Lower	Upper
77	100		
97	22.2	12.4	37.0



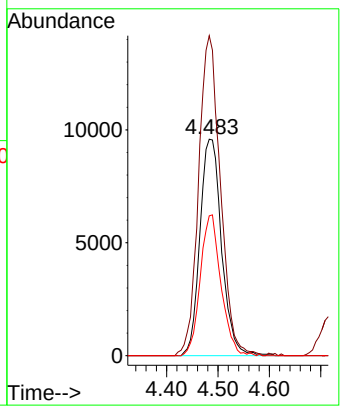


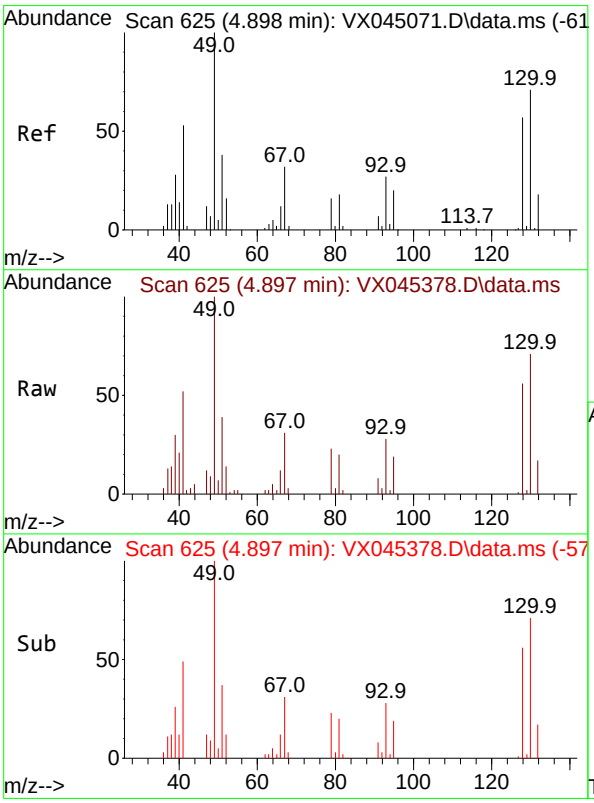
#27
cis-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 96 Resp: 28067

Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	283.2
98	62.1	0.0	128.0

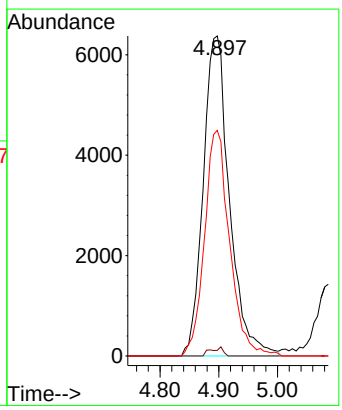


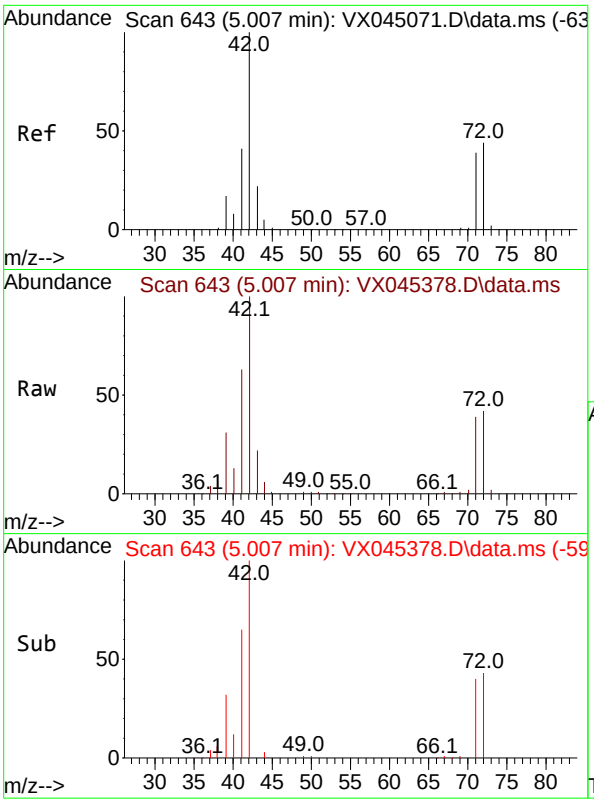


#28
Bromochloromethane
Concen: 17.204 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 49 Resp: 19780

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	67.6	56.1	84.1



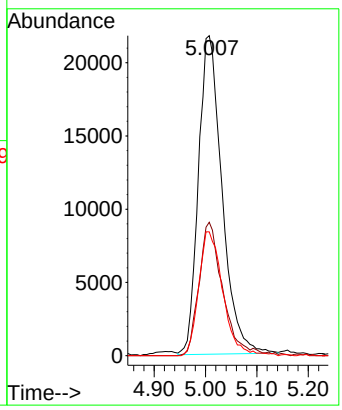


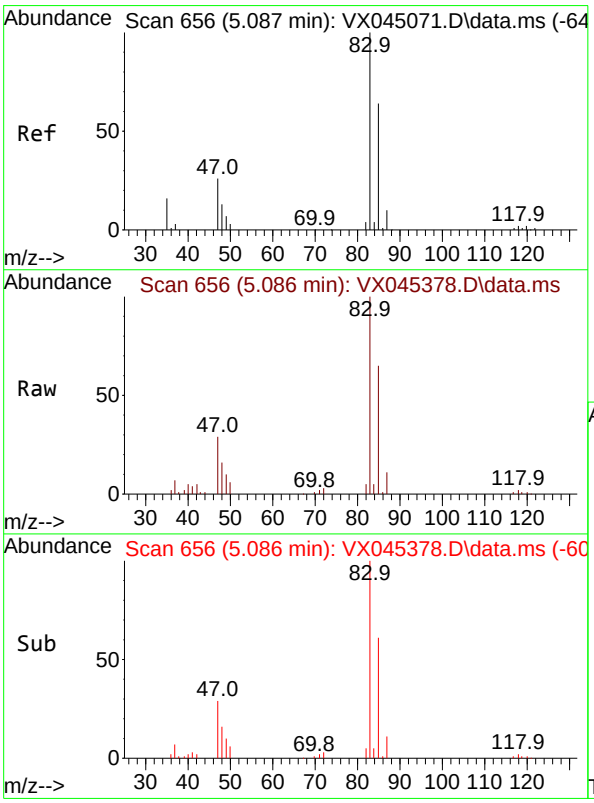
#29
Tetrahydrofuran
Concen: 96.293 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 42 Resp: 69505

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.1	51.1
71	39.8	31.4	47.0

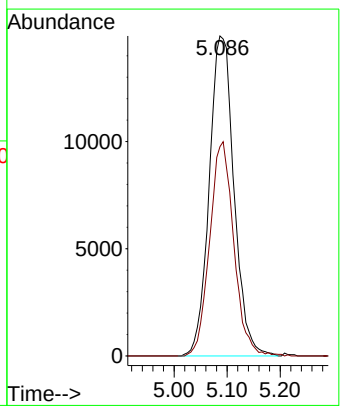


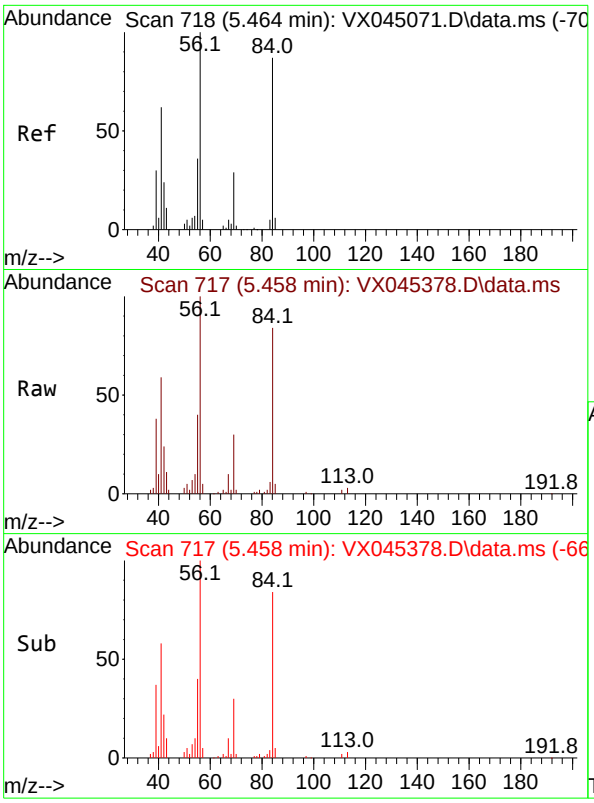


#30
Chloroform
Concen: 20.197 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 83 Resp: 48407

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2



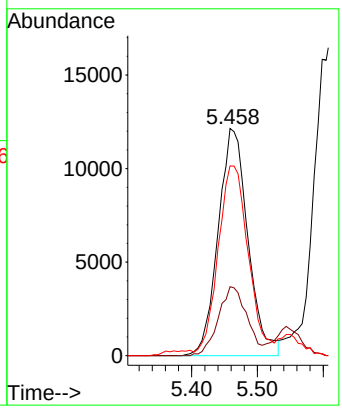


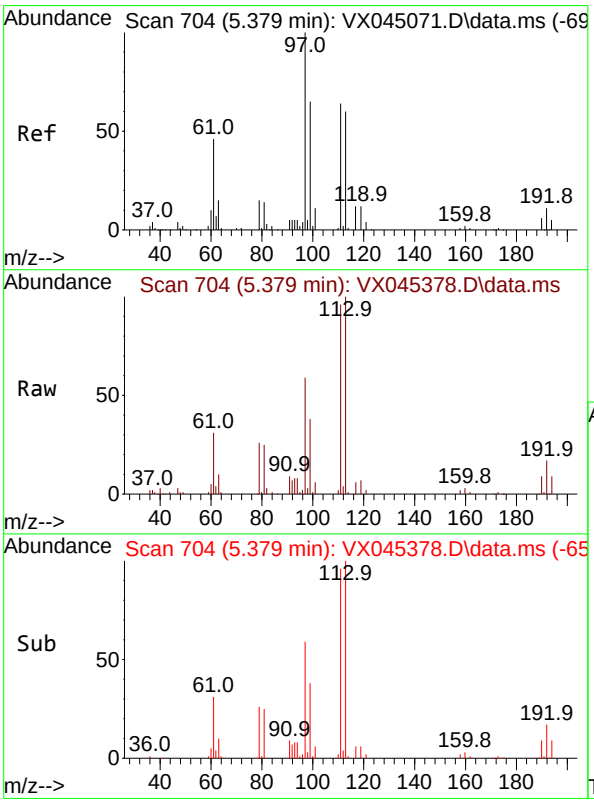
#31
Cyclohexane
Concen: 18.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 56 Resp: 38272

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	81.7	69.4	104.2

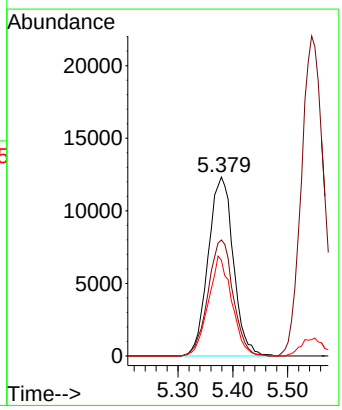


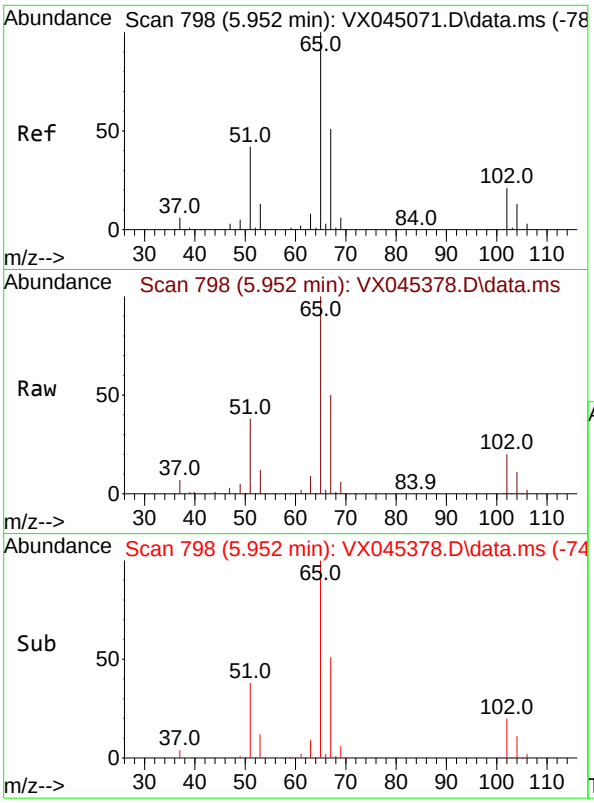


#32
1,1,1-Trichloroethane
Concen: 20.252 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 97 Resp: 39203

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	52.1	38.4	57.6



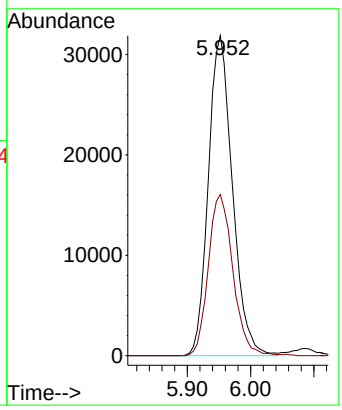


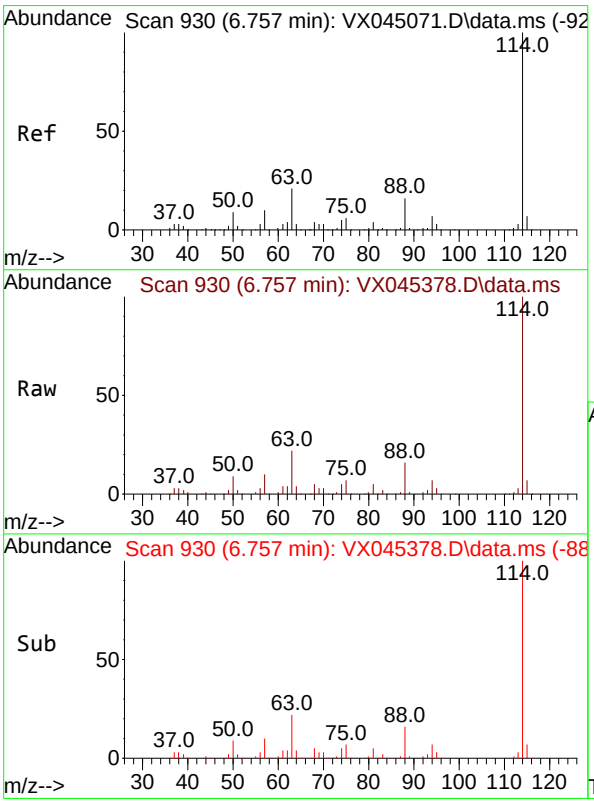
#33
1,2-Dichloroethane-d4
Concen: 54.764 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 65 Resp: 84283

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2

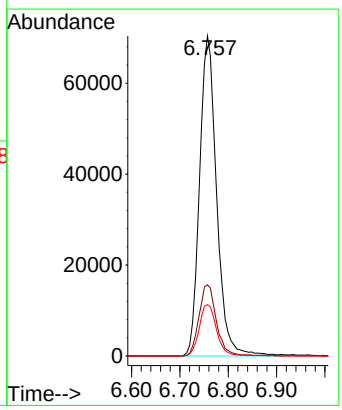


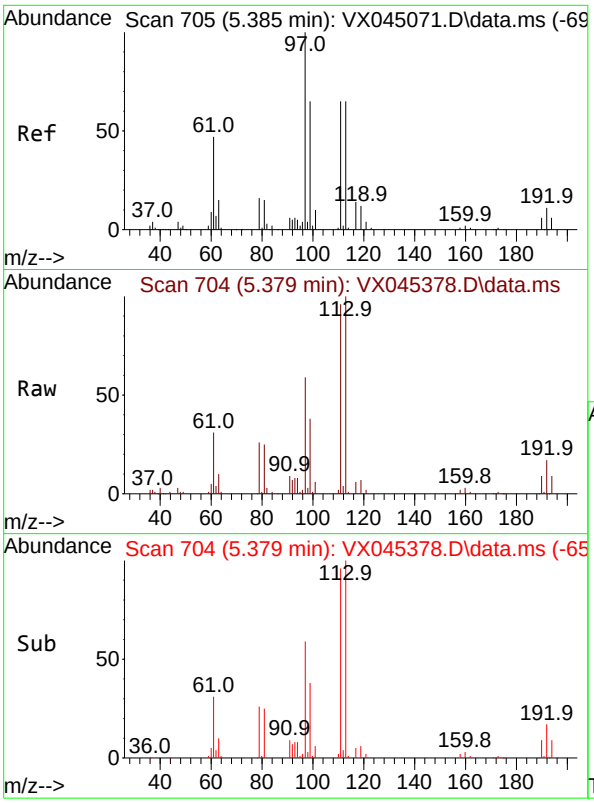


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:114 Resp: 172413

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.8
88	16.0	0.0	32.8



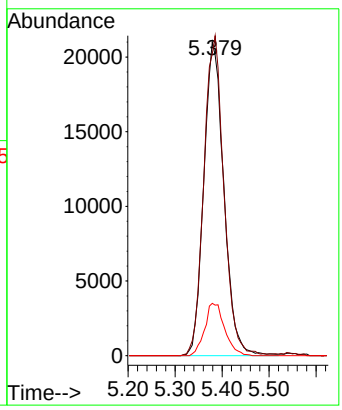


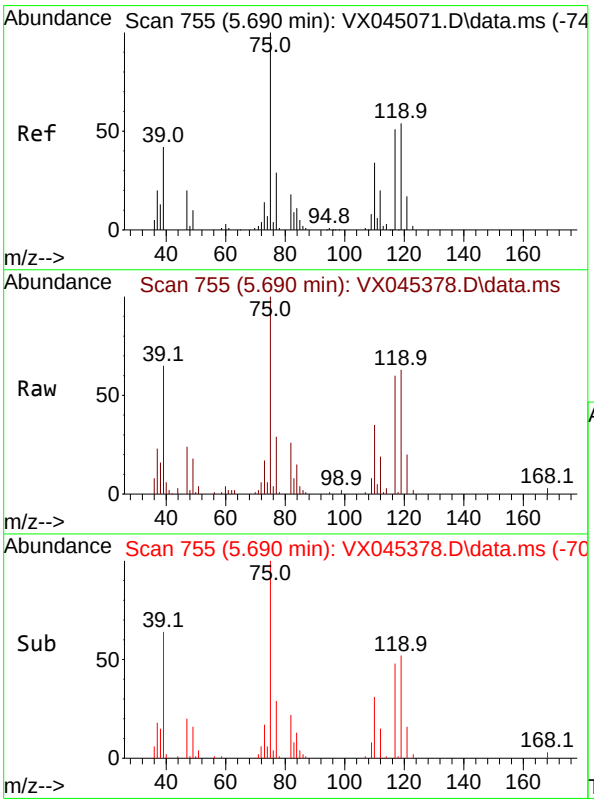
#35
Dibromofluoromethane
Concen: 54.092 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:113 Resp: 62362

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	16.6	14.3	21.5

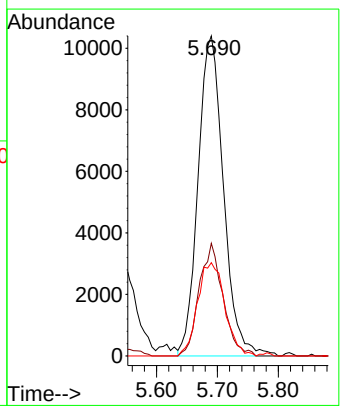


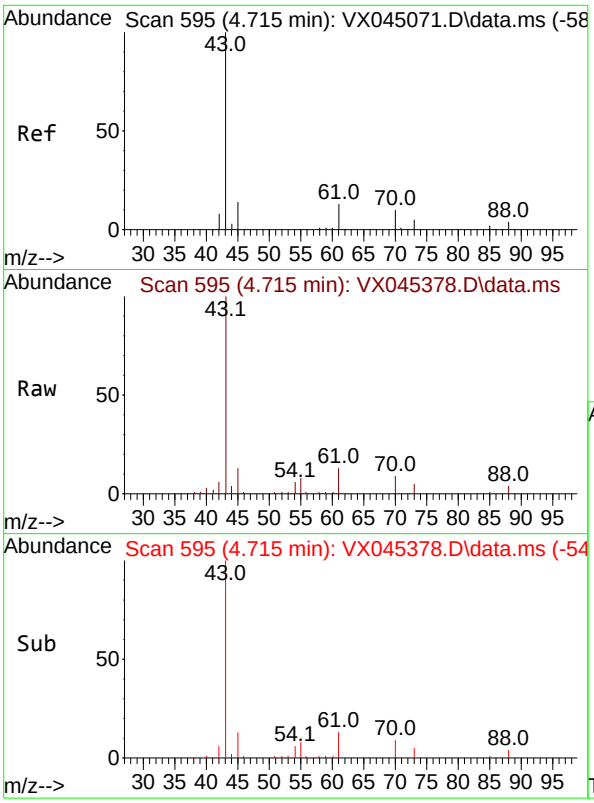


#36
1,1-Dichloropropene
Concen: 19.120 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 30230

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	31.1	24.5	36.7



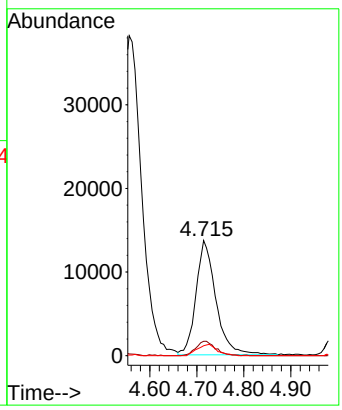


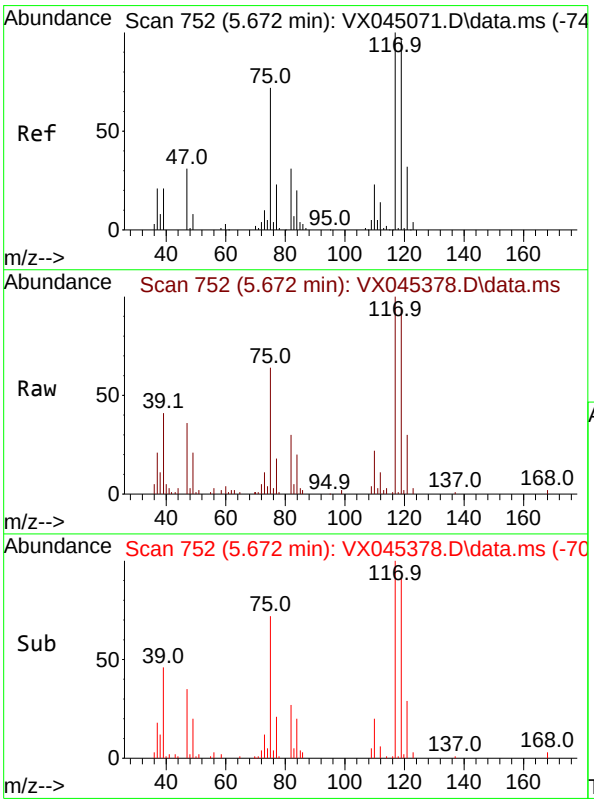
#37
Ethyl Acetate
Concen: 19.773 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 40284

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.8	7.7	11.5

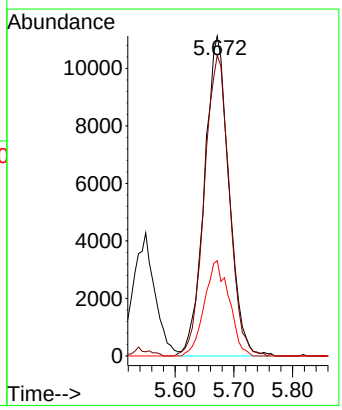


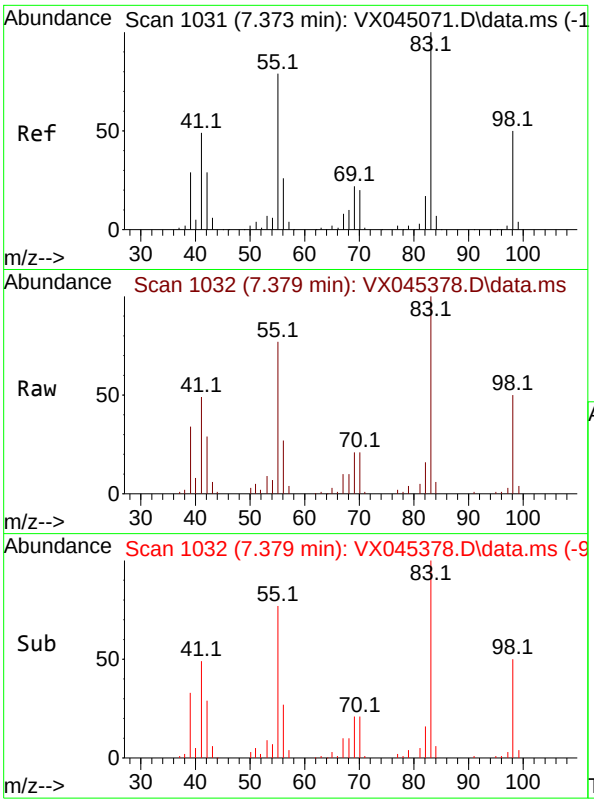


#38
Carbon Tetrachloride
Concen: 20.091 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 32250

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	29.8	25.5	38.3



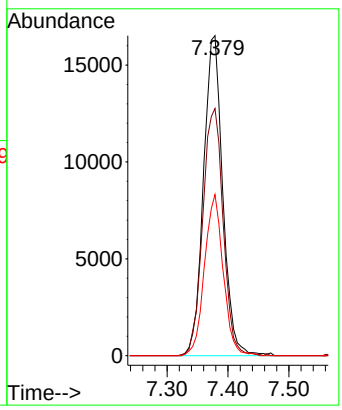


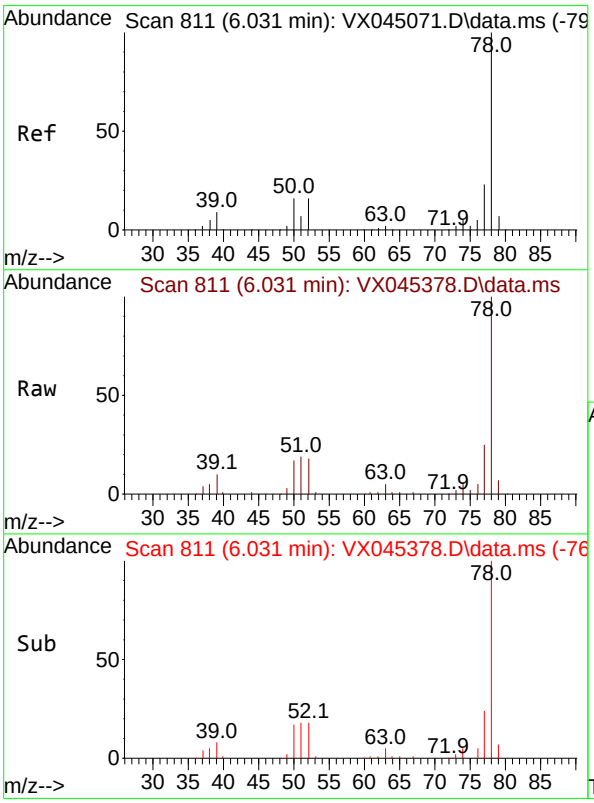
#39
Methylcyclohexane
Concen: 19.149 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 83 Resp: 36277

Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.0	94.4
98	50.4	39.7	59.5

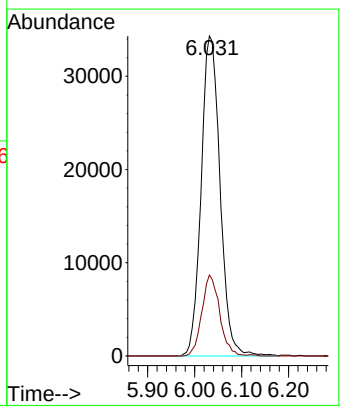


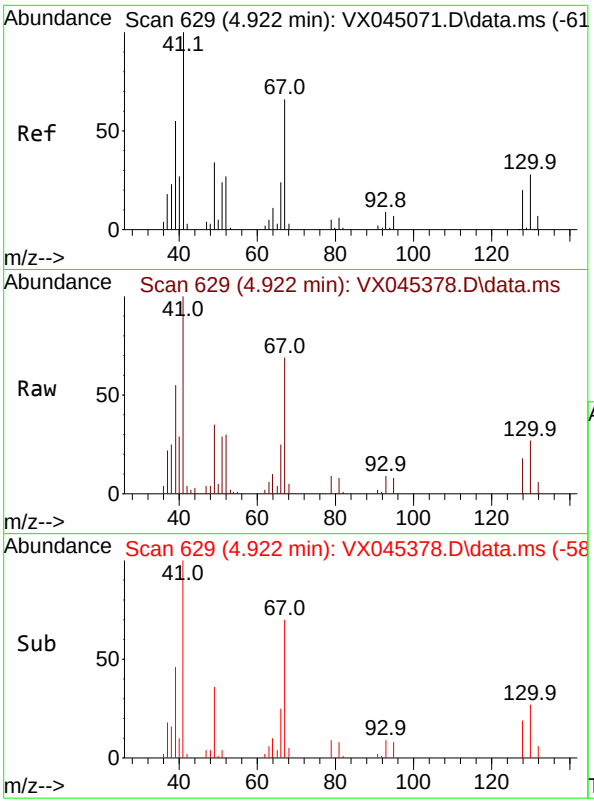


#40
Benzene
Concen: 19.193 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 78 Resp: 95825

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2



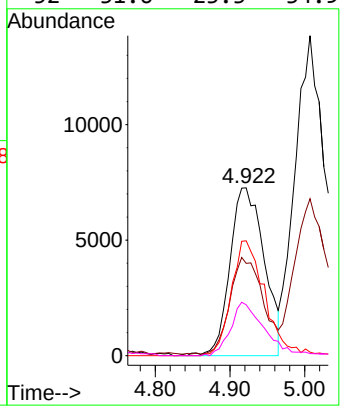


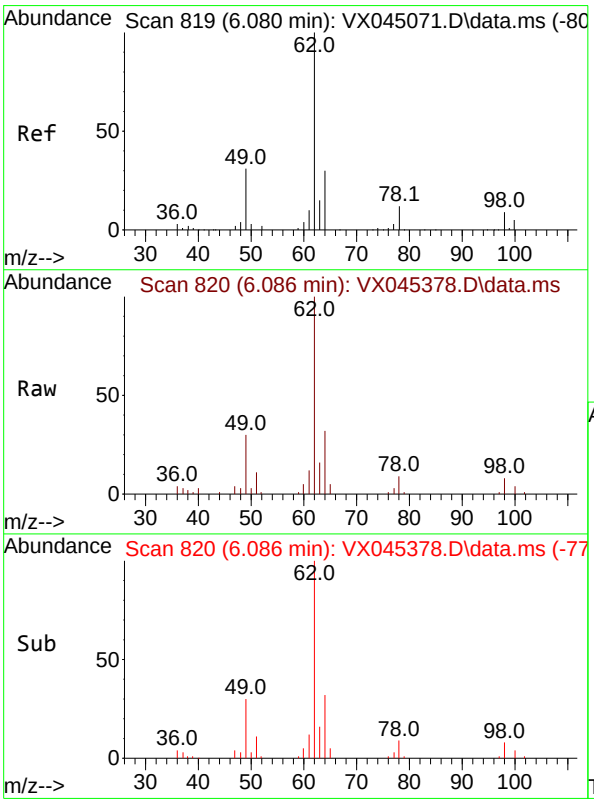
#41
Methacrylonitrile
Concen: 21.072 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 41 Resp: 23213

Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	67.4	53.9	80.9
52	31.6	23.3	34.9

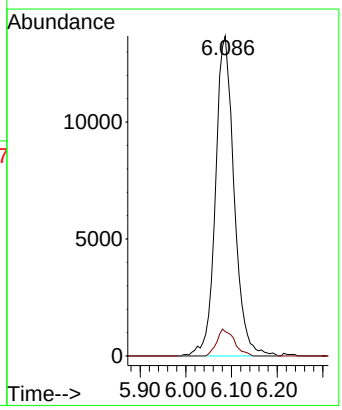


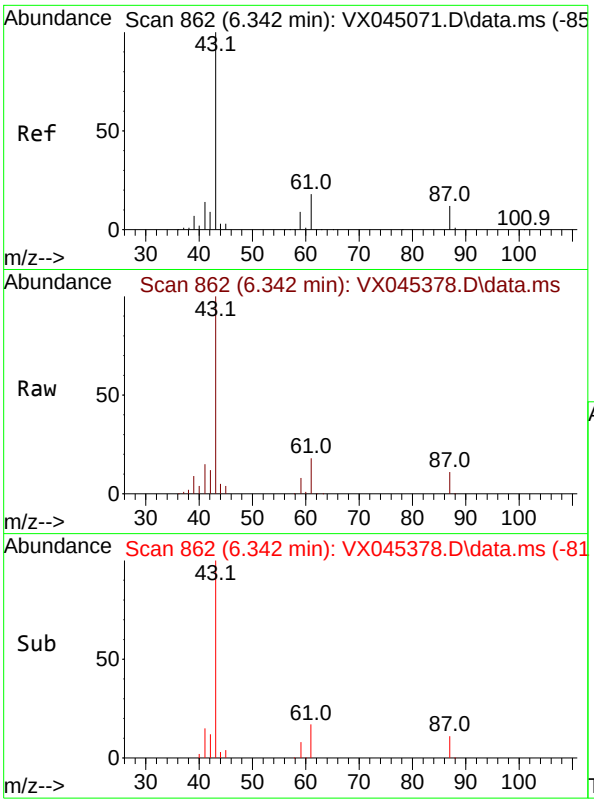


#42
1,2-Dichloroethane
Concen: 21.626 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 62 Resp: 38881

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	18.2



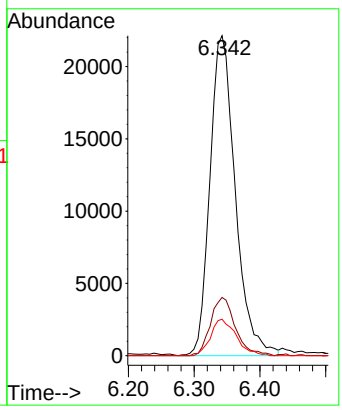


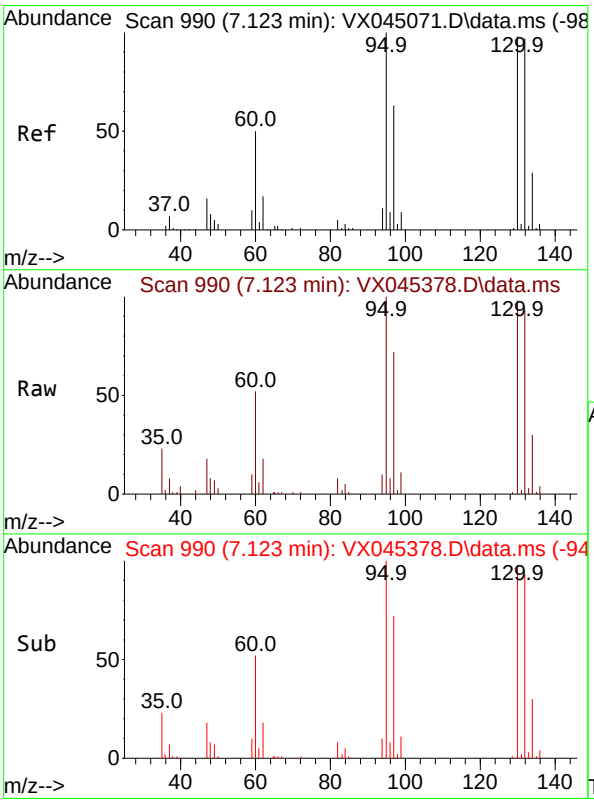
#43
Isopropyl Acetate
Concen: 19.752 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 59503

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.4	9.4	14.2

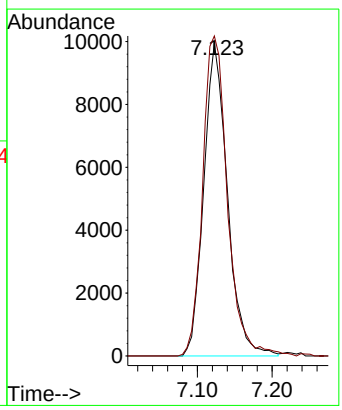


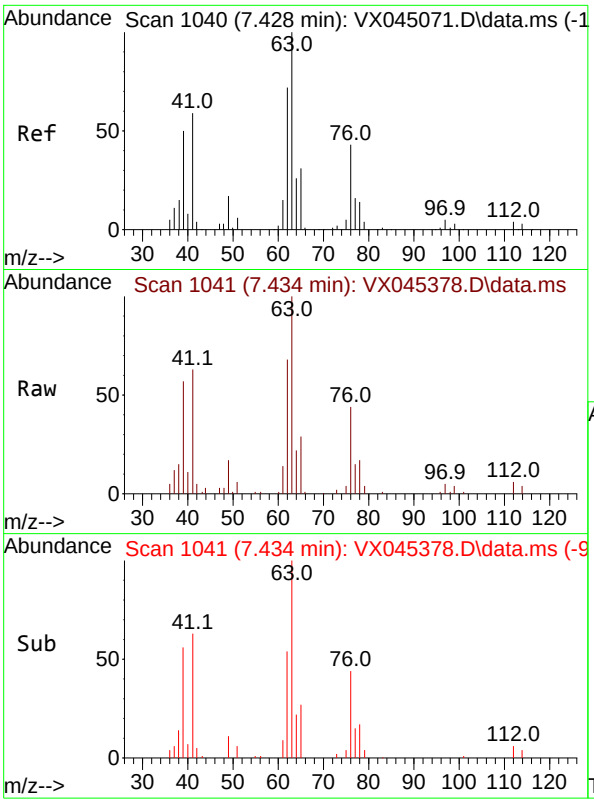


#44
Trichloroethene
Concen: 18.686 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:130 Resp: 21906

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.0



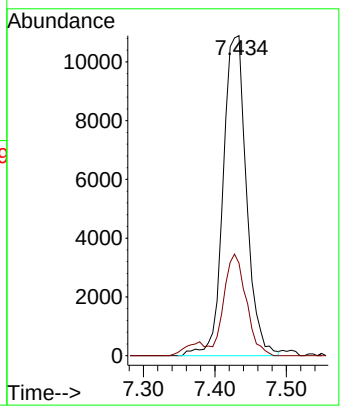


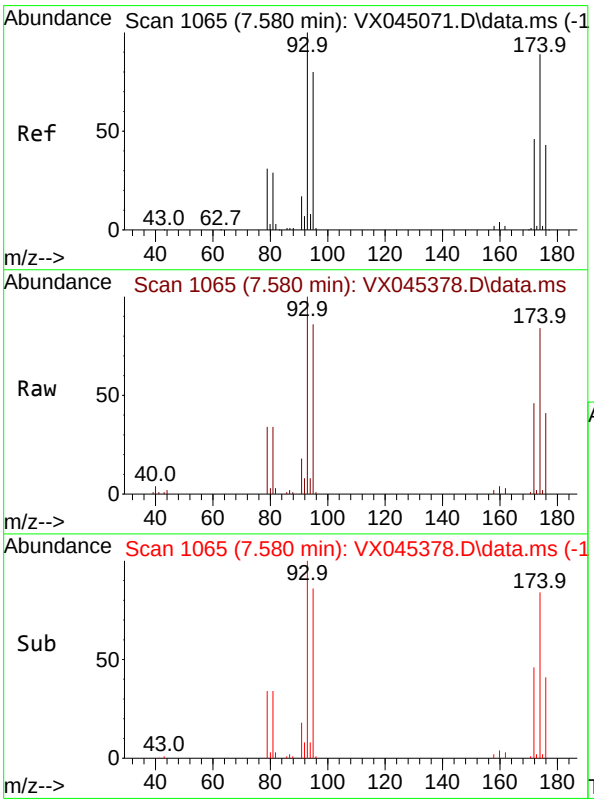
#45
1,2-Dichloropropane
Concen: 19.215 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 63 Resp: 24666

Ion	Ratio	Lower	Upper
63	100		
65	28.9	24.7	37.1

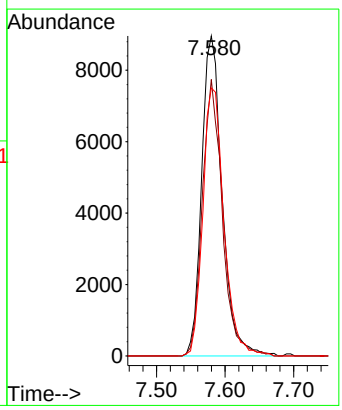


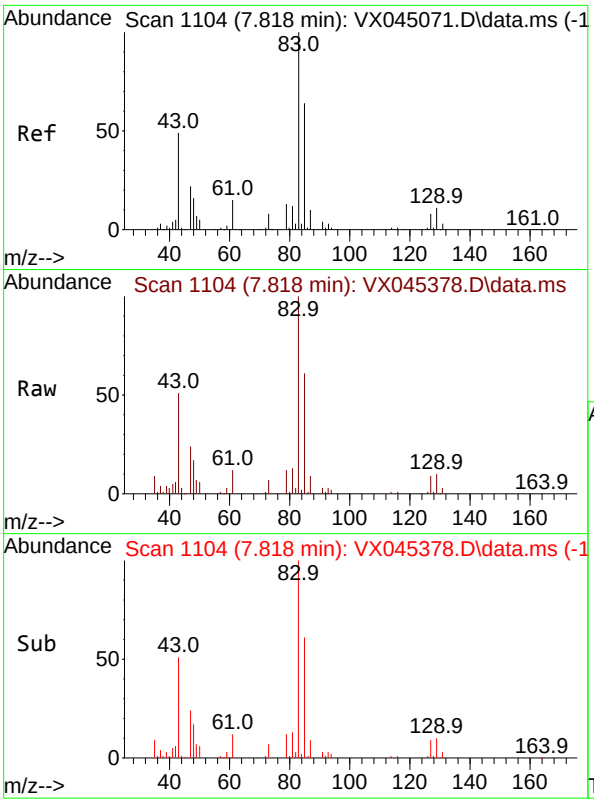


#46
Dibromomethane
Concen: 20.550 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 93 Resp: 18645

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.8	98.8
174	86.1	72.2	108.2



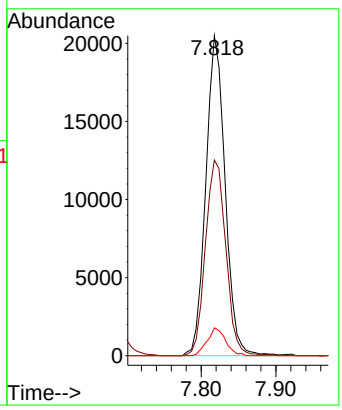


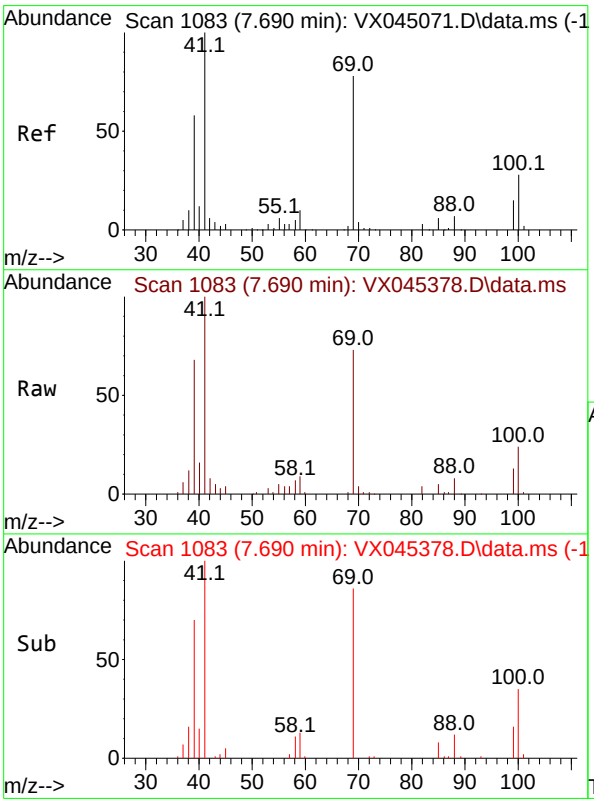
#47
Bromodichloromethane
Concen: 20.676 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 83 Resp: 36796

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	8.7	6.4	9.6

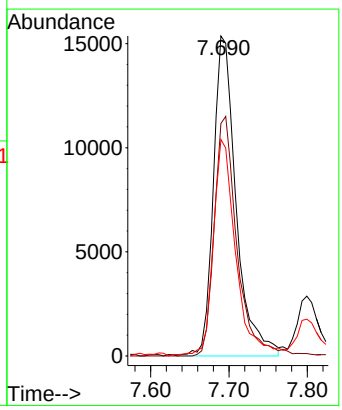


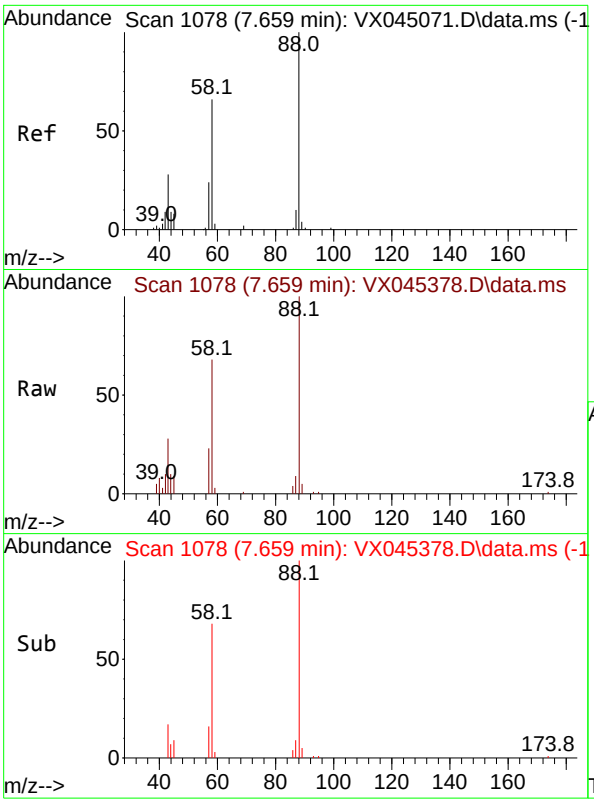


#48
Methyl methacrylate
Concen: 20.561 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 41 Resp: 31076

Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	67.1	47.5	71.3



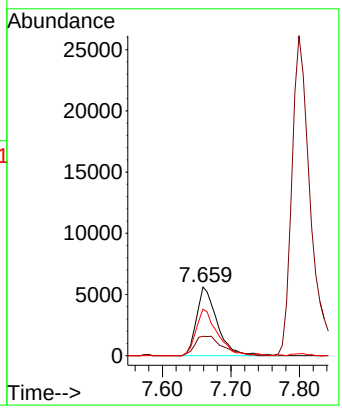


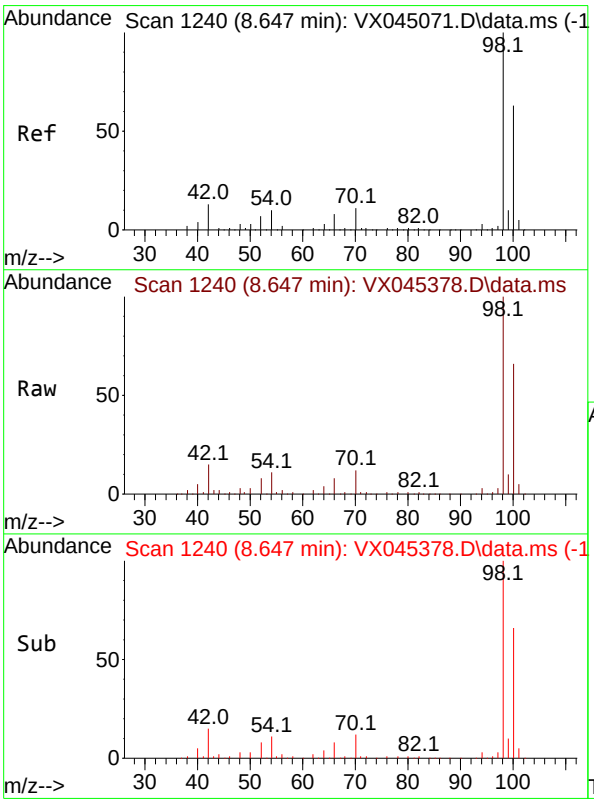
#49
1,4-Dioxane
Concen: 367.178 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 88 Resp: 11706

Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.7	43.1
58	69.5	55.8	83.8

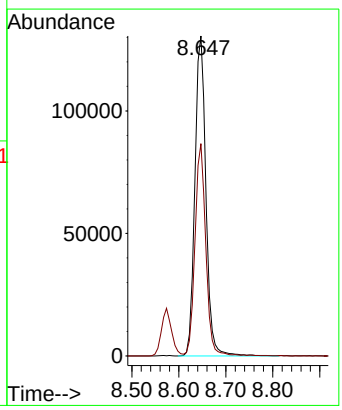


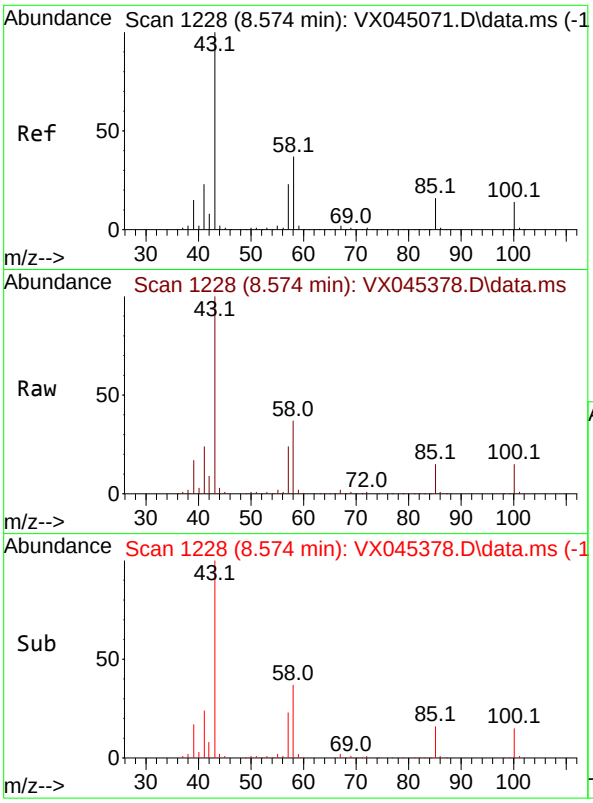


#50
Toluene-d8
Concen: 51.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 98 Resp: 214191

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



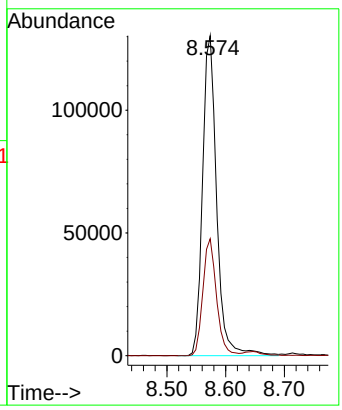


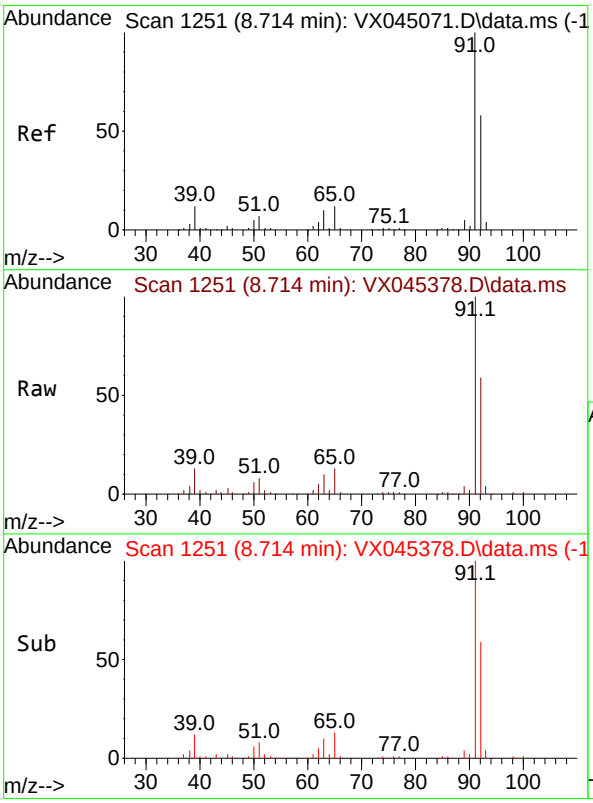
#51
4-Methyl-2-Pentanone
Concen: 107.651 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 217755

Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.2	43.8

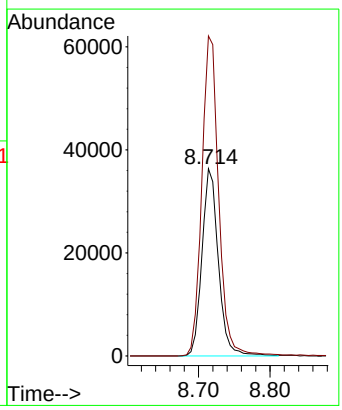


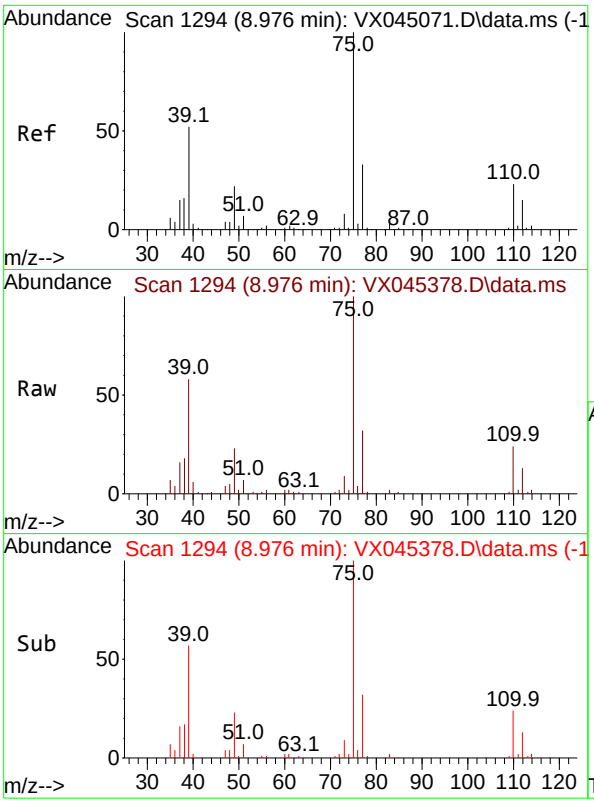


#52
Toluene
Concen: 19.806 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 92 Resp: 58017

Ion	Ratio	Lower	Upper
92	100		
91	176.9	138.9	208.3



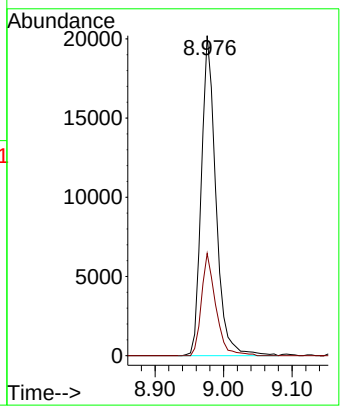


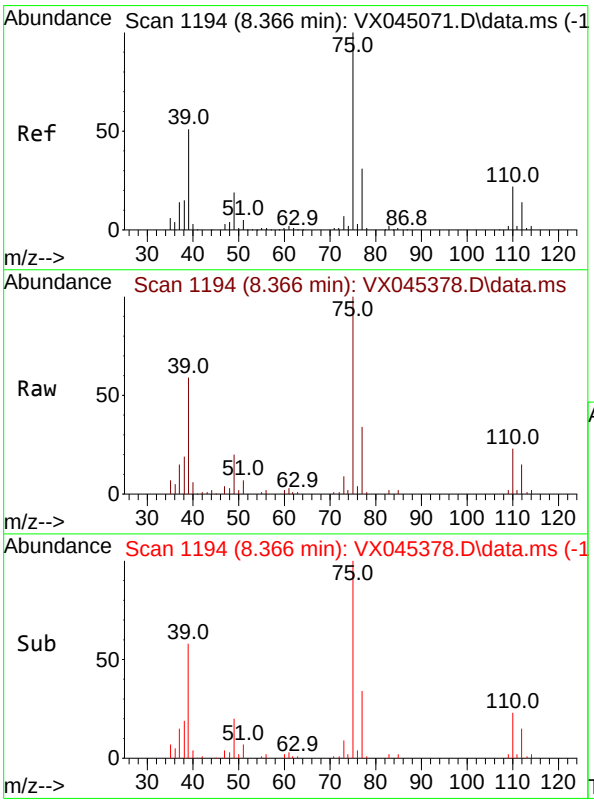
#53
t-1,3-Dichloropropene
Concen: 20.126 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 75 Resp: 29944

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.5	39.7

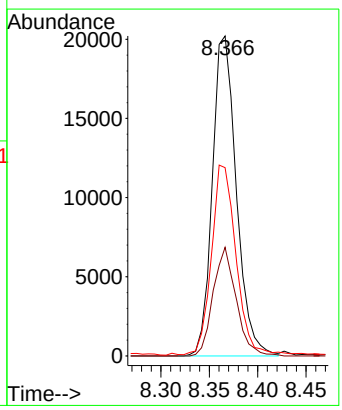


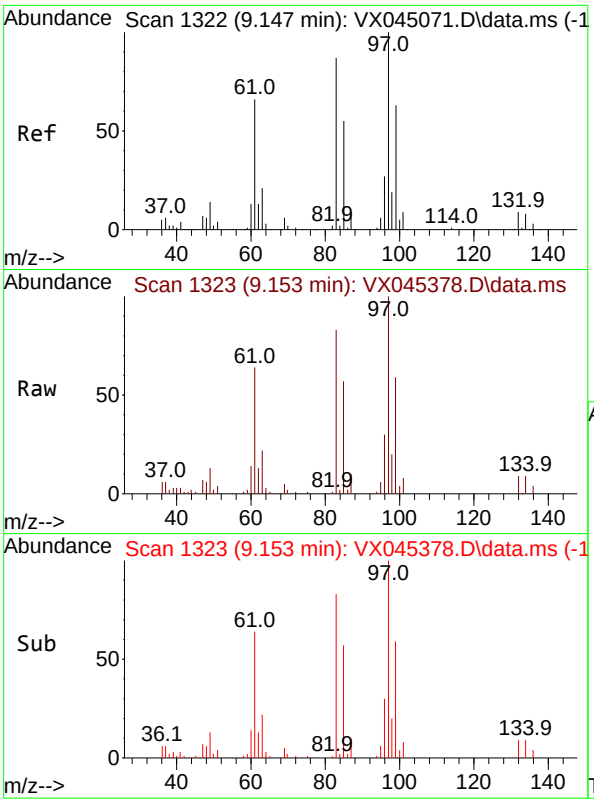


#54
cis-1,3-Dichloropropene
Concen: 20.118 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 34903

Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.7	37.1
39	58.4	40.7	61.1



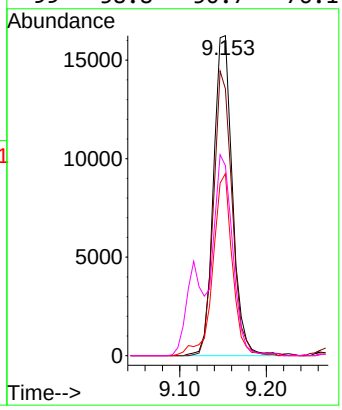


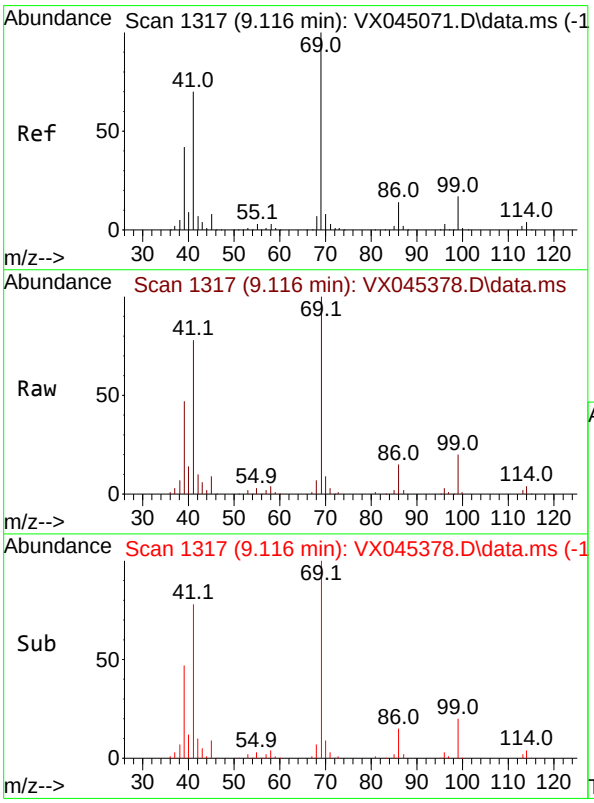
#55
1,1,2-Trichloroethane
Concen: 20.419 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 97 Resp: 24624

Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.4	104.2
85	56.9	44.1	66.1
99	58.8	50.7	76.1

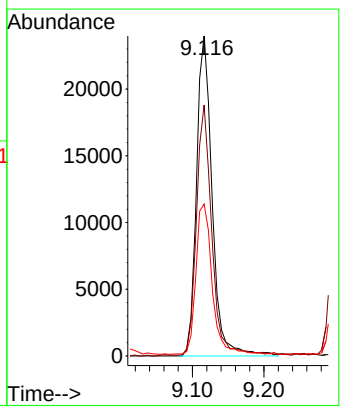


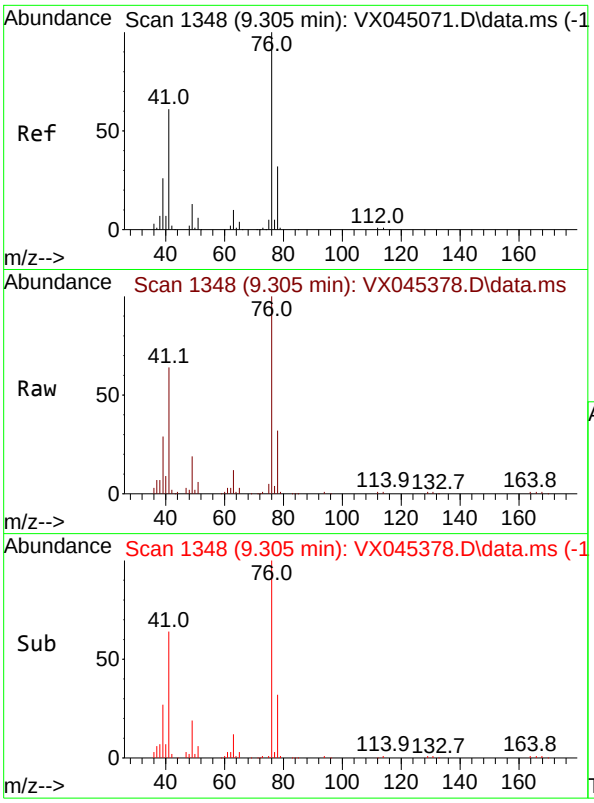


#56
Ethyl methacrylate
Concen: 19.895 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 69 Resp: 36468

Ion	Ratio	Lower	Upper
69	100		
41	75.9	57.0	85.4
39	49.7	34.2	51.4



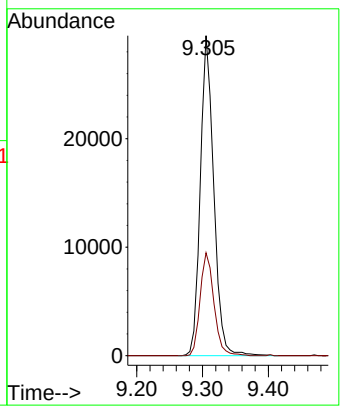


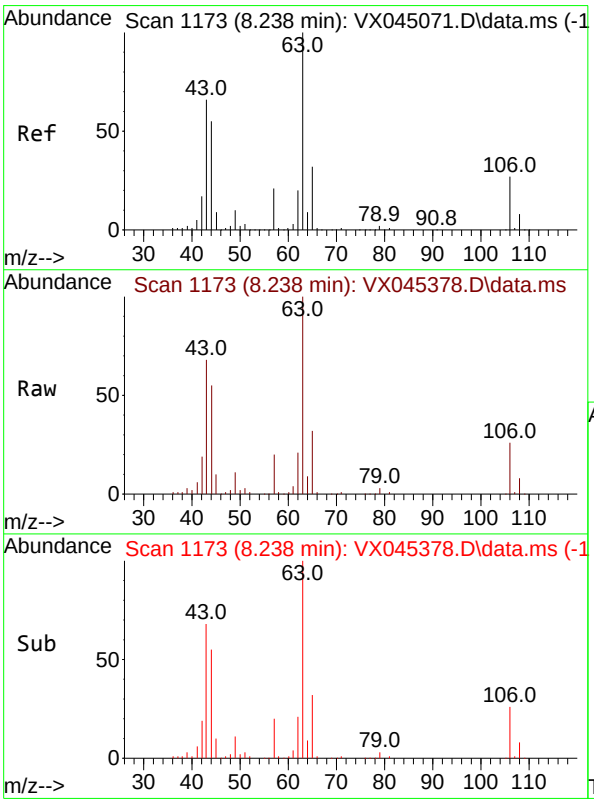
#57
1,3-Dichloropropane
Concen: 20.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 76 Resp: 41844

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

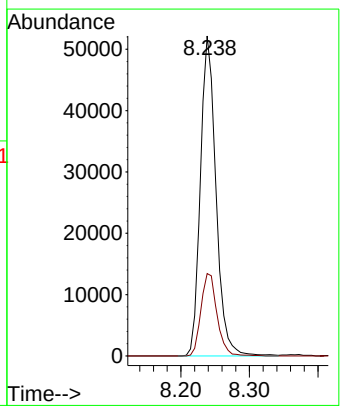


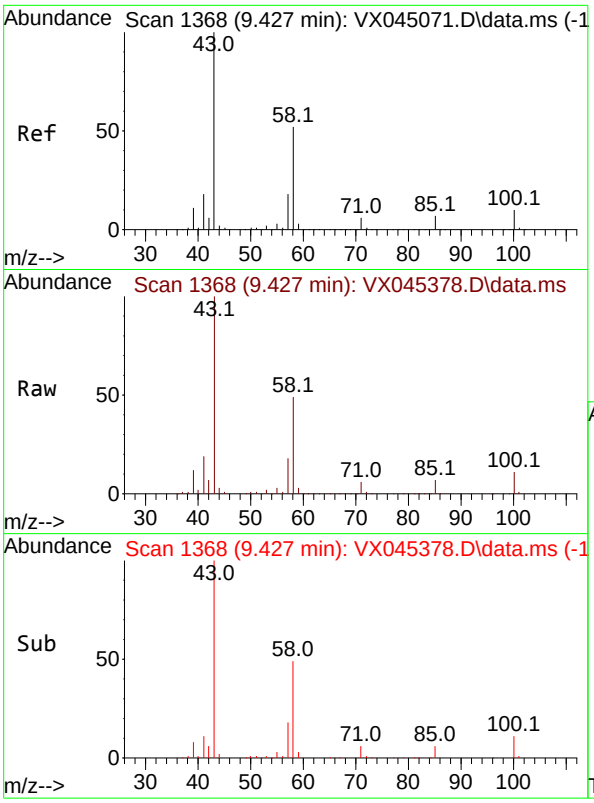


#58
2-Chloroethyl Vinyl ether
Concen: 92.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 63 Resp: 82742

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



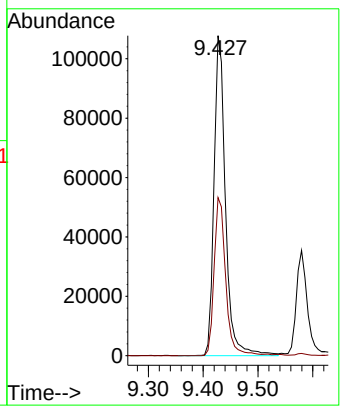


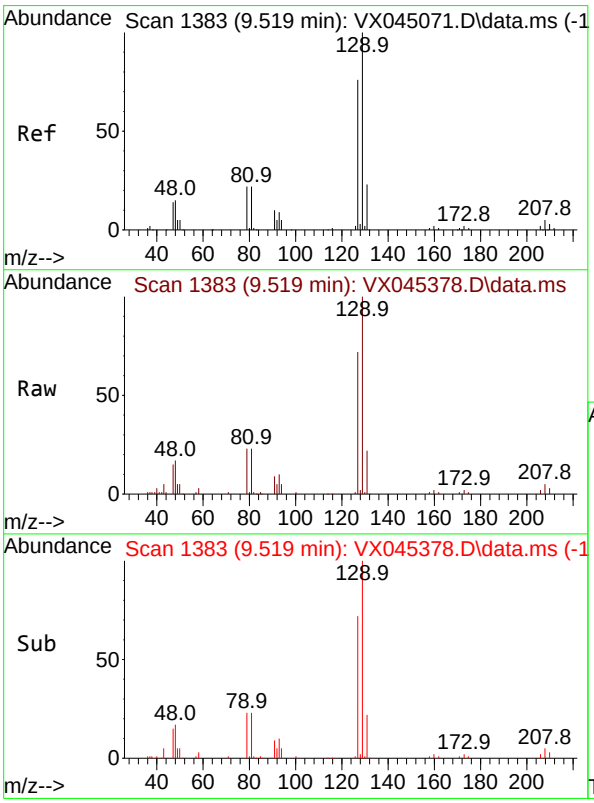
#59
2-Hexanone
Concen: 106.568 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 43 Resp: 156185

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

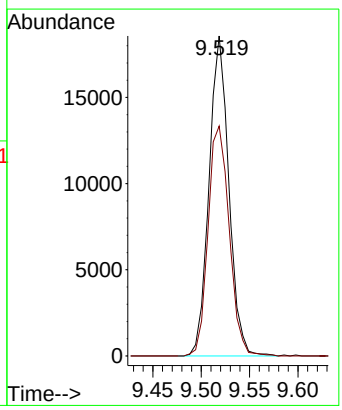


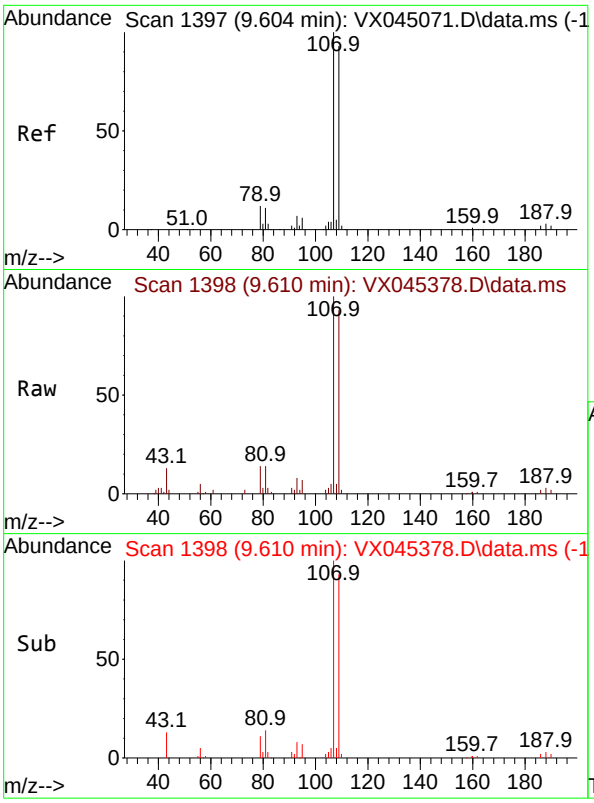


#60
Dibromochloromethane
Concen: 20.953 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:129 Resp: 26419

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5



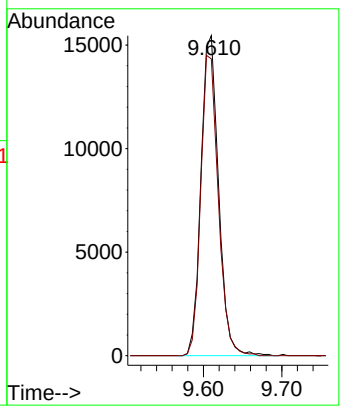


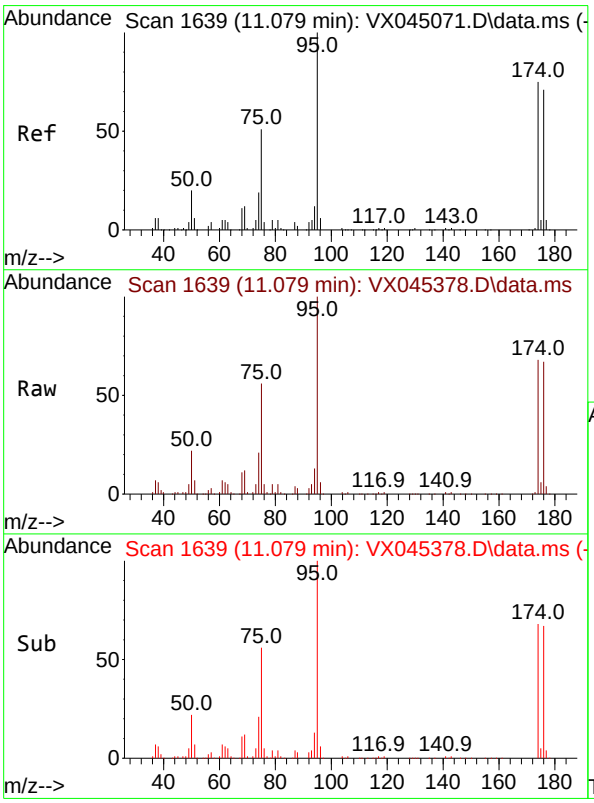
#61
1,2-Dibromoethane
Concen: 20.026 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:107 Resp: 24108

Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.1	114.1

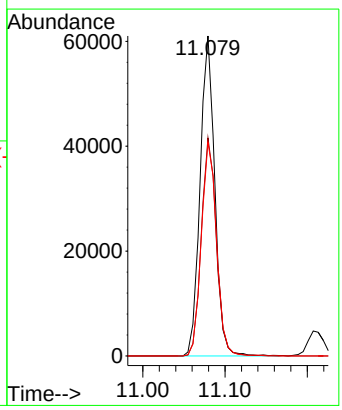


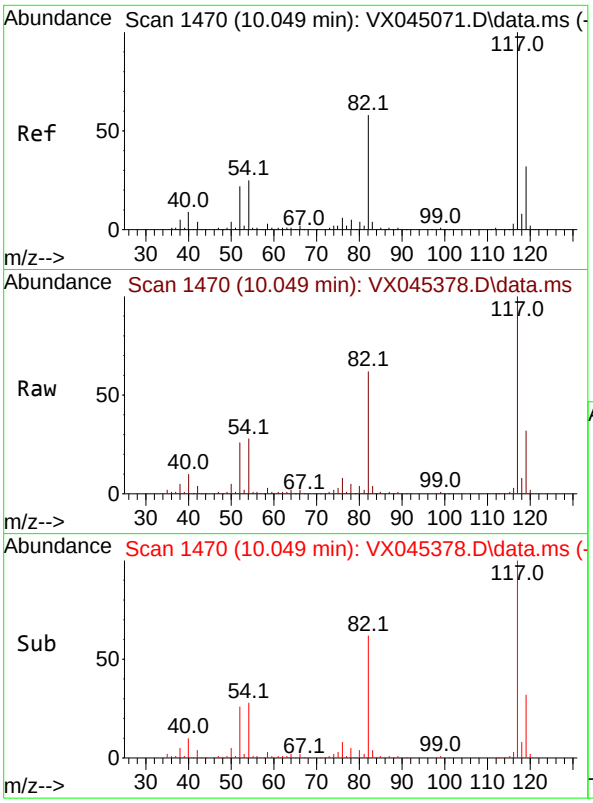


#62
4-Bromofluorobenzene
Concen: 54.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 95 Resp: 75709

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	148.2
176	69.3	0.0	141.4



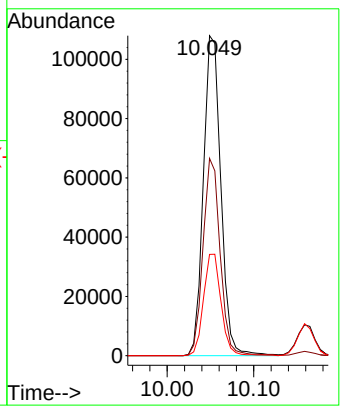


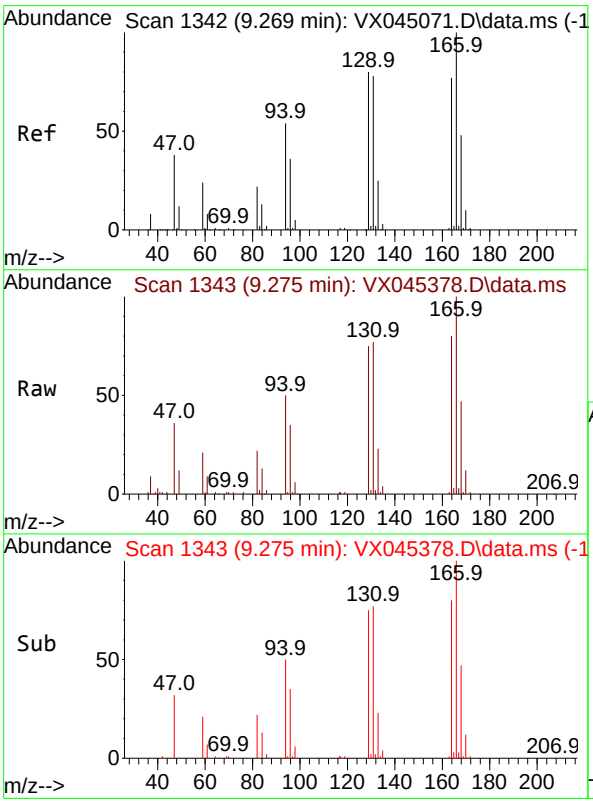
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:117 Resp: 151575

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.3	69.5
119	31.7	25.7	38.5

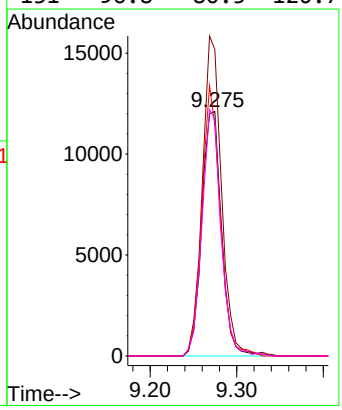


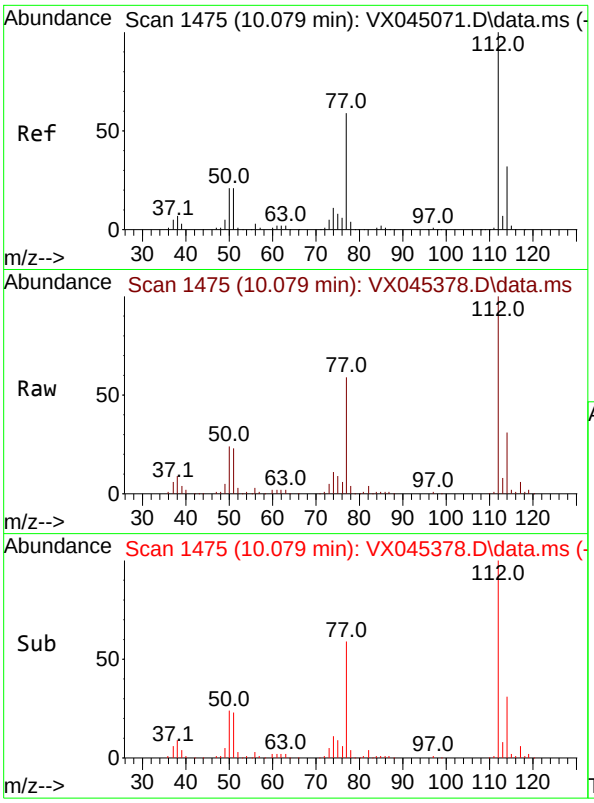


#64
Tetrachloroethene
Concen: 19.712 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:164 Resp: 19136

Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.6	155.4
129	94.1	82.7	124.1
131	96.8	80.5	120.7



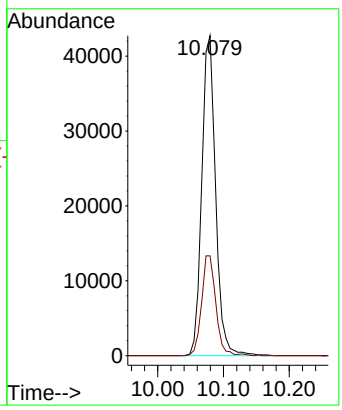


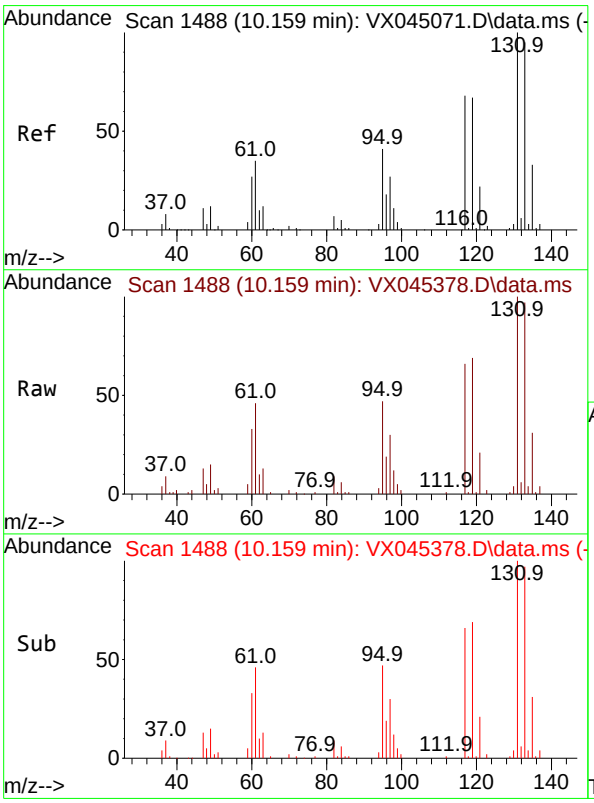
#65
Chlorobenzene
Concen: 19.520 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:112 Resp: 62607

Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0

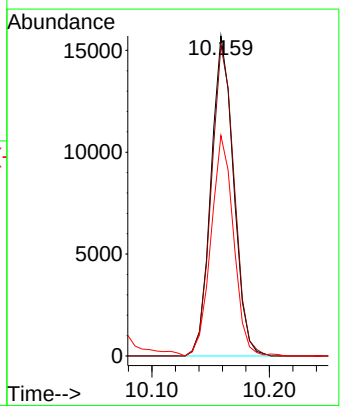


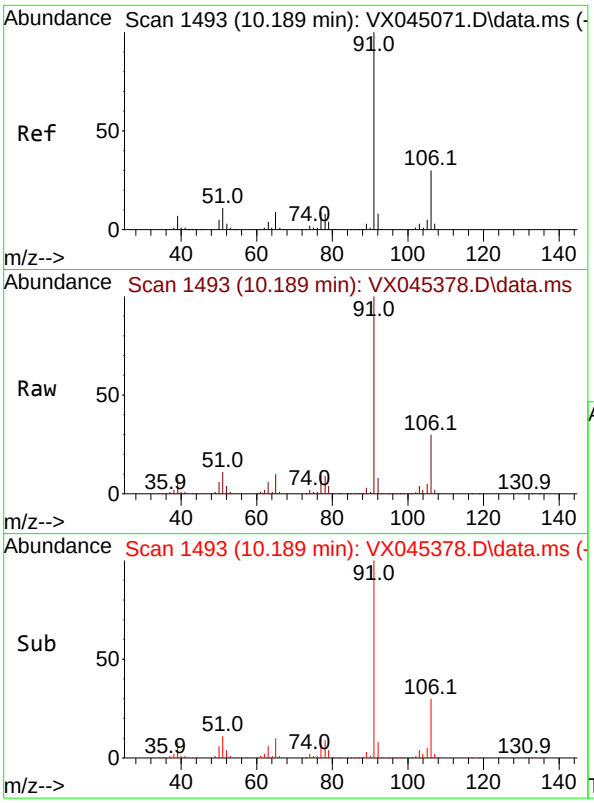


#66
1,1,1,2-Tetrachloroethane
Concen: 19.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:131 Resp: 20934

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	68.9	33.9	101.7



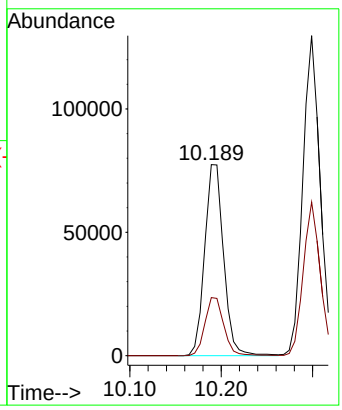


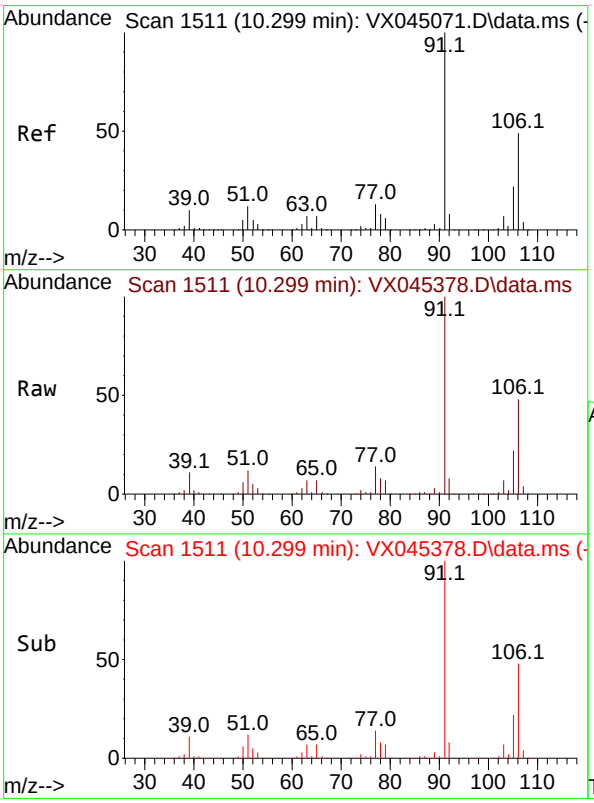
#67
Ethyl Benzene
Concen: 19.903 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 91 Resp: 111231

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

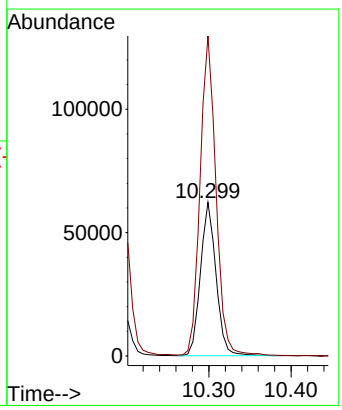


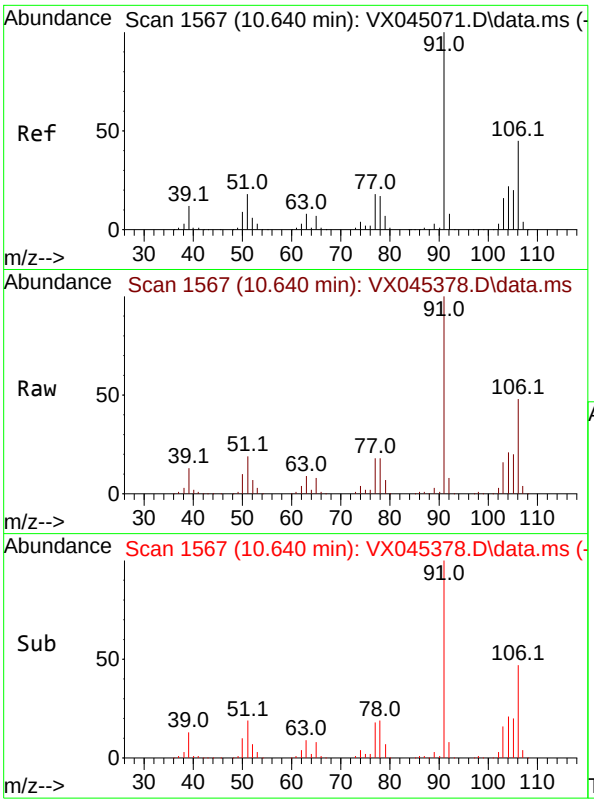


#68
m/p-Xylenes
Concen: 39.971 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:106 Resp: 81773

Ion	Ratio	Lower	Upper
106	100		
91	213.2	165.4	248.0



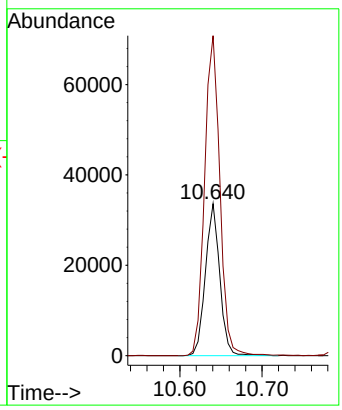


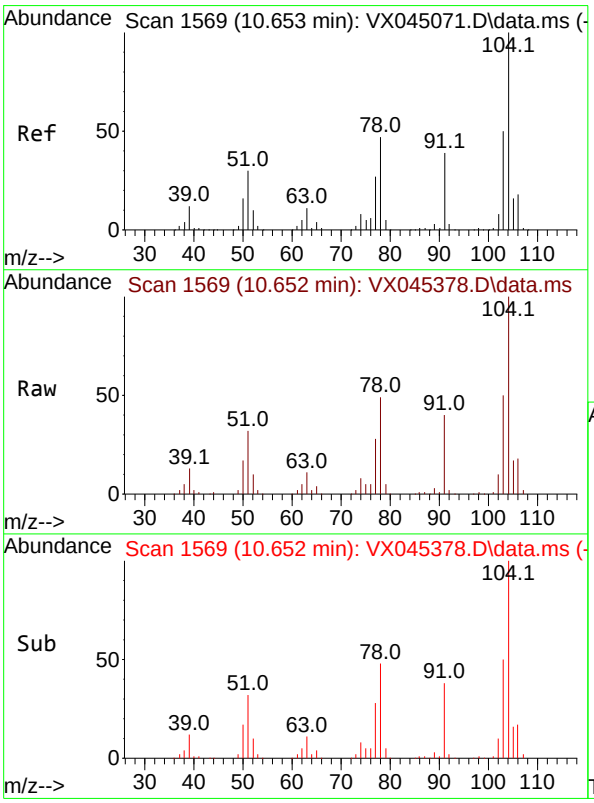
#69
o-Xylene
Concen: 19.764 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:106 Resp: 40780

Ion	Ratio	Lower	Upper
106	100		
91	223.9	109.9	329.6

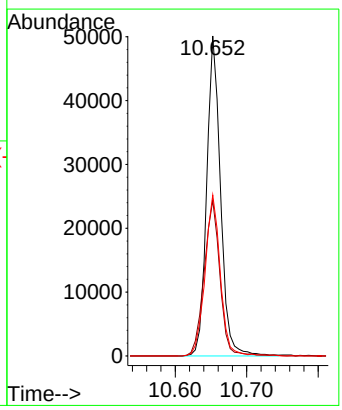


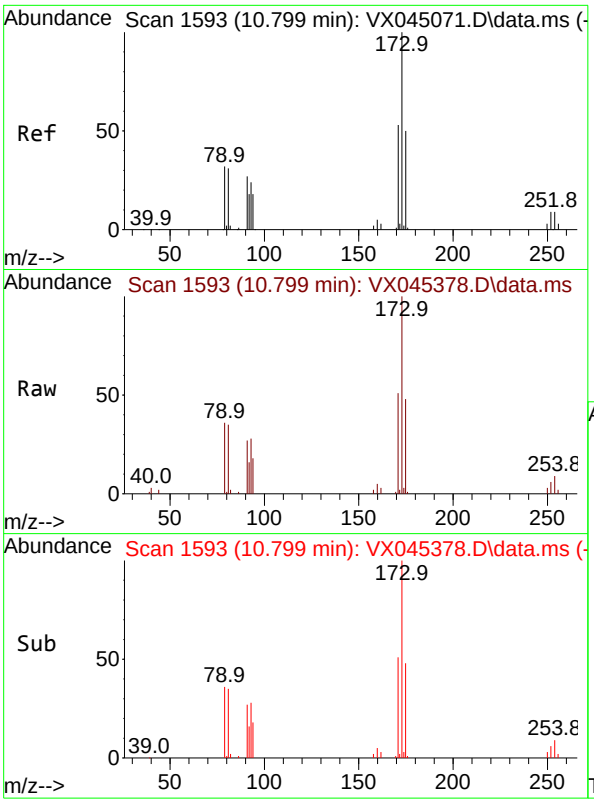


#70
Styrene
Concen: 20.243 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:104 Resp: 67582

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.2	63.4
103	55.5	43.8	65.8



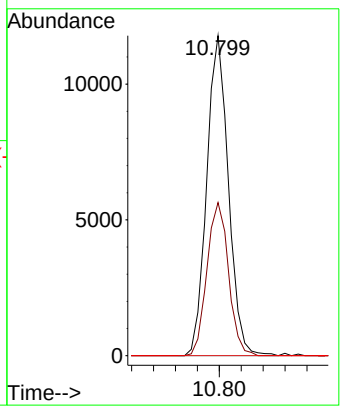


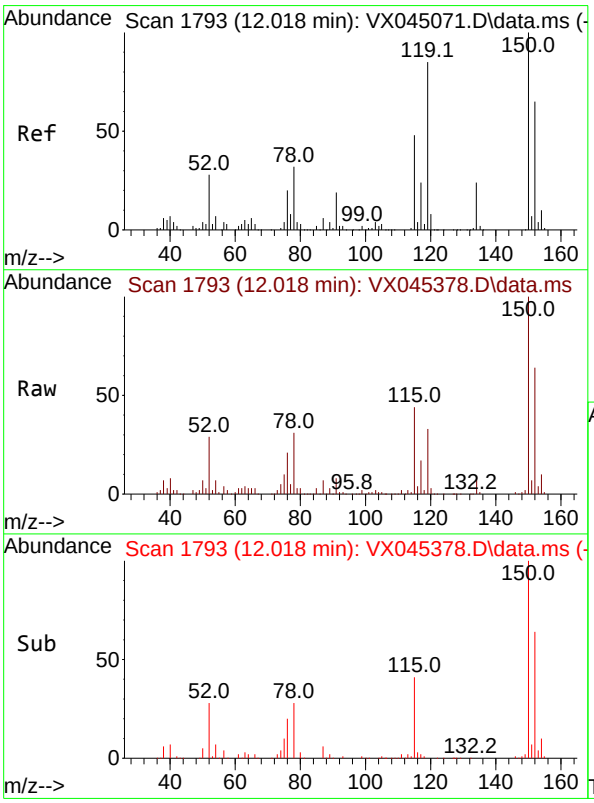
#71
Bromoform
Concen: 20.054 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:173 Resp: 16152

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.6
254	0.0	0.0	0.0

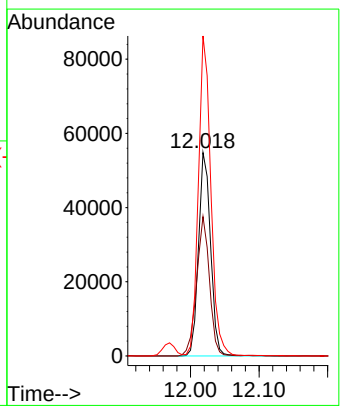


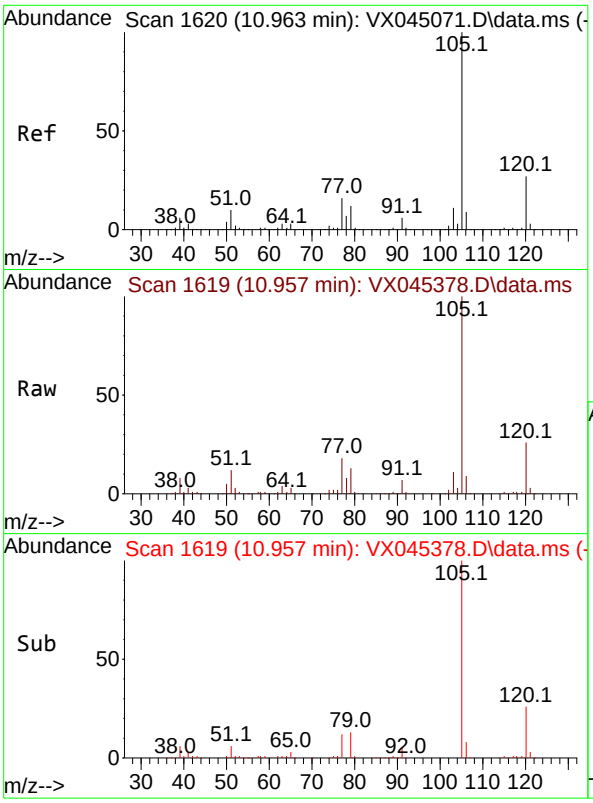


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:152 Resp: 67294

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.2	132.6
150	162.4	0.0	349.0



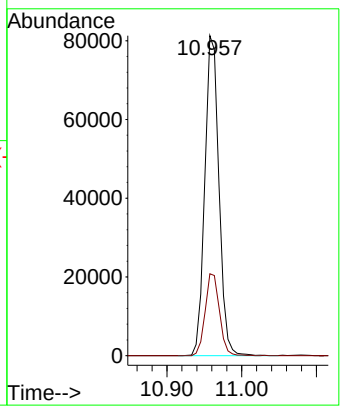


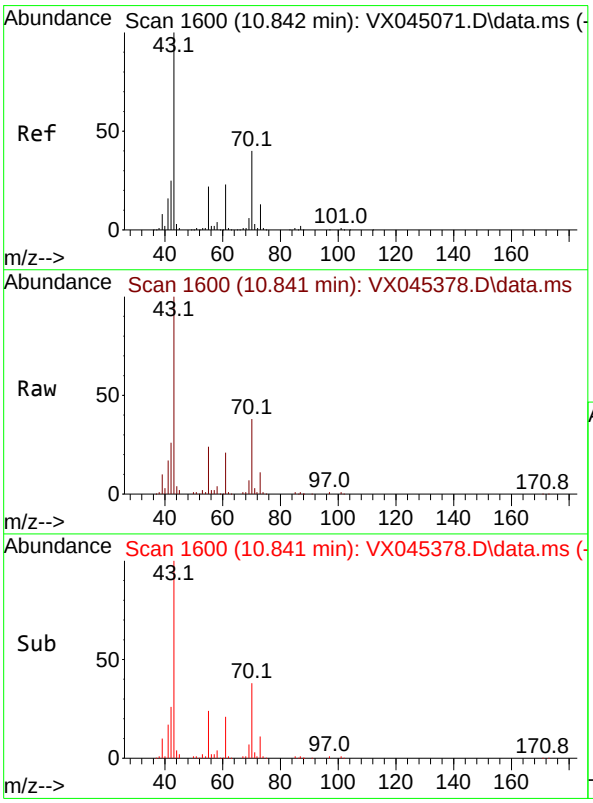
#73
Isopropylbenzene
Concen: 20.350 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:105 Resp: 106888

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

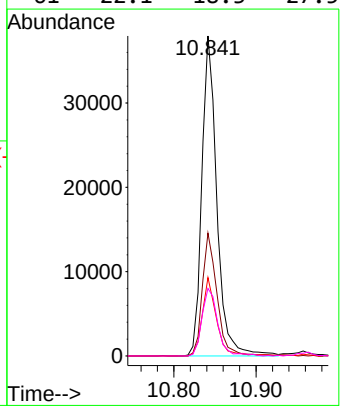


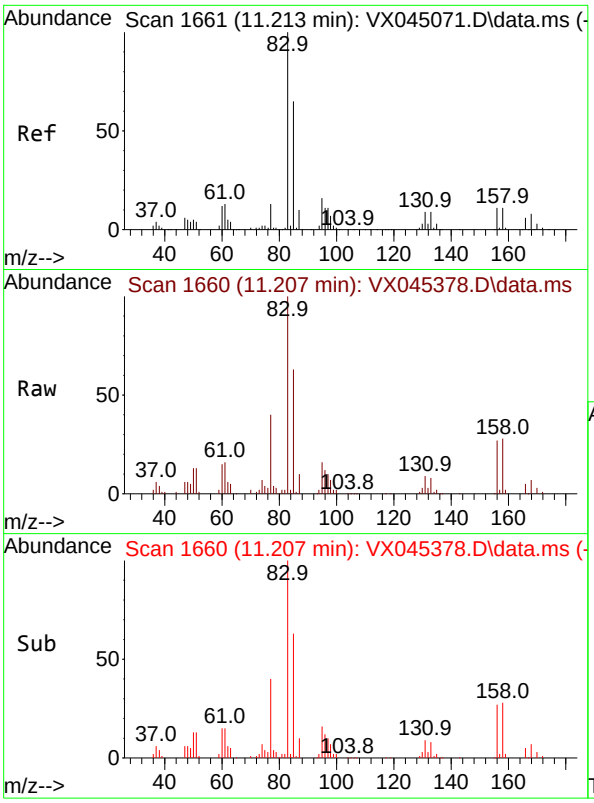


#74
N-amyl acetate
Concen: 19.624 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 43 Resp: 48367

Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.8	47.6
55	23.3	18.3	27.5
61	22.1	18.3	27.5



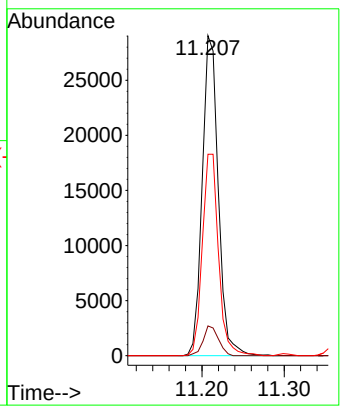


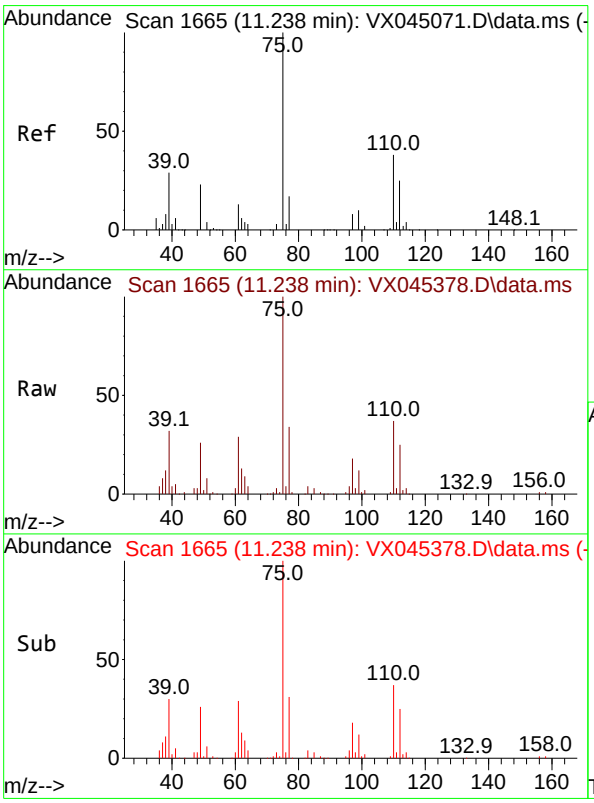
#75
1,1,2,2-Tetrachloroethane
Concen: 20.402 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 83 Resp: 39325

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.5	31.7	95.1

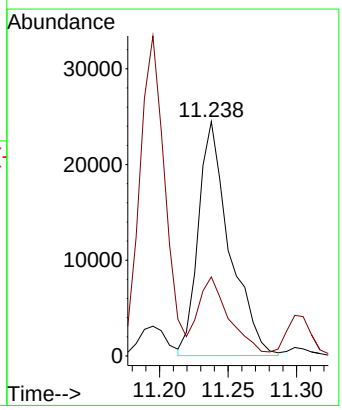


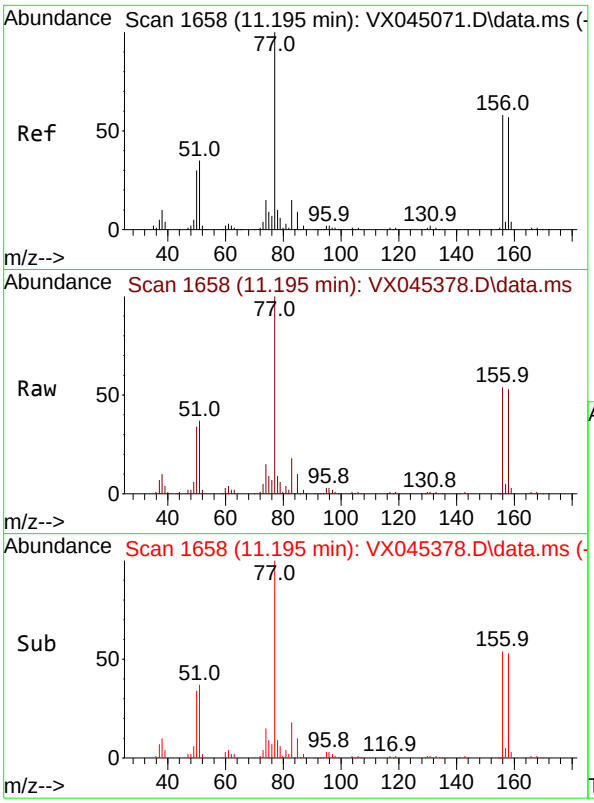


#76
1,2,3-Trichloropropane
Concen: 24.752 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 38768

Ion	Ratio	Lower	Upper
75	100		
77	33.8	20.7	62.1



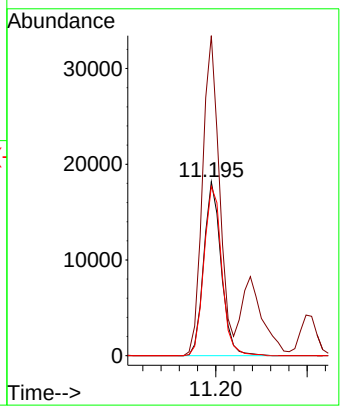


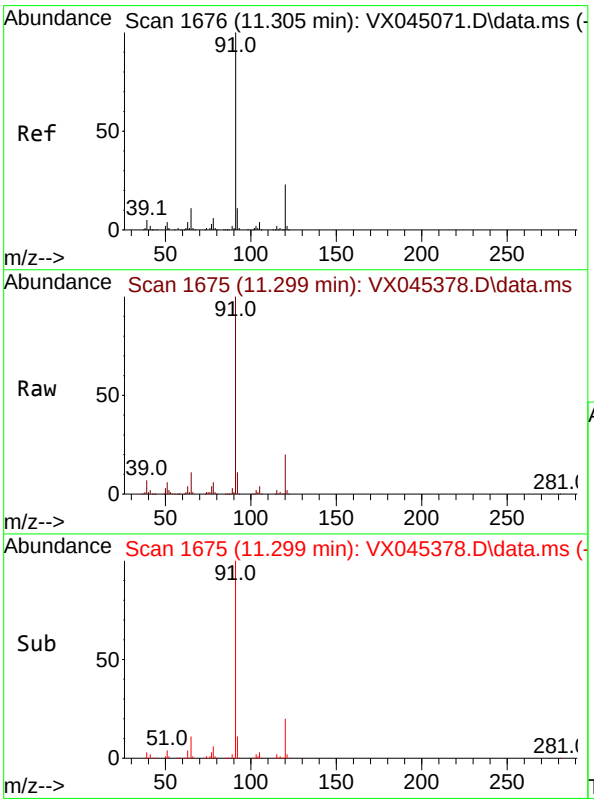
#77
Bromobenzene
Concen: 19.377 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:156 Resp: 24014

Ion	Ratio	Lower	Upper
156	100		
77	178.7	85.8	257.4
158	99.3	48.4	145.2

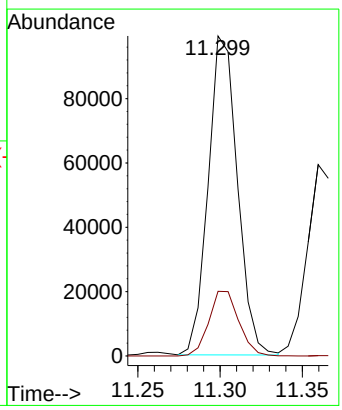


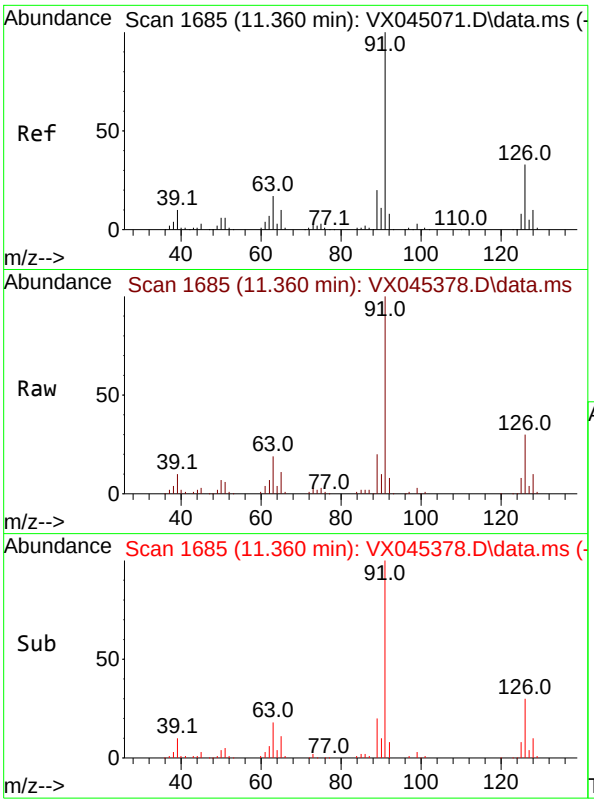


#78
n-propylbenzene
Concen: 20.684 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 122726

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.2	33.6



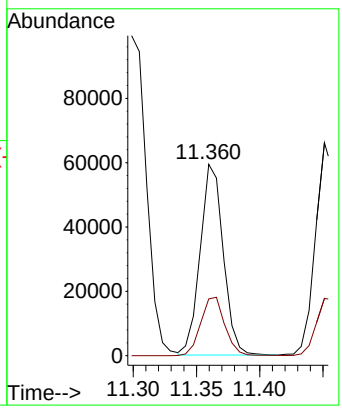


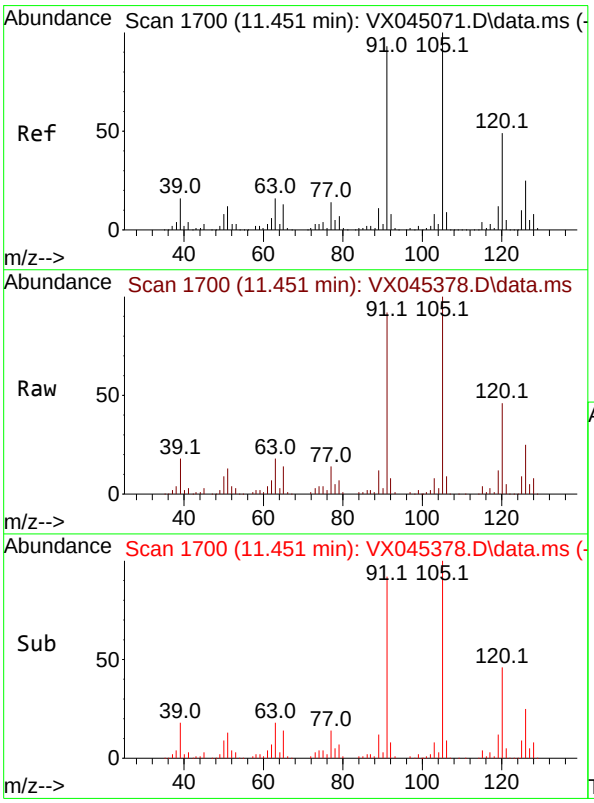
#79
2-Chlorotoluene
Concen: 19.953 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 91 Resp: 75398

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4

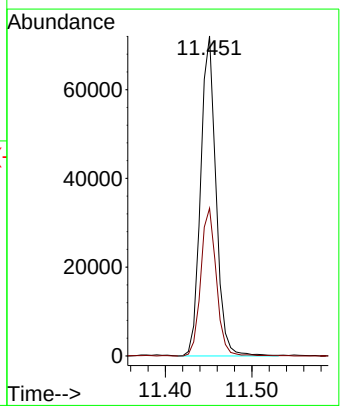


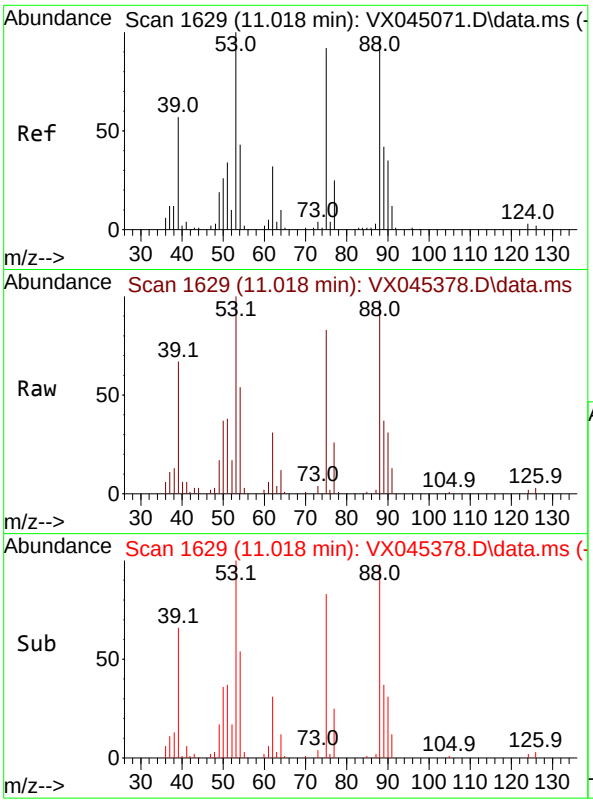


#80
1,3,5-Trimethylbenzene
Concen: 20.912 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88815

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



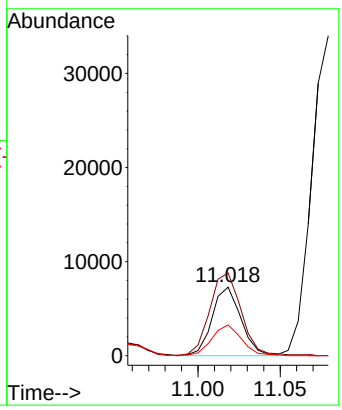


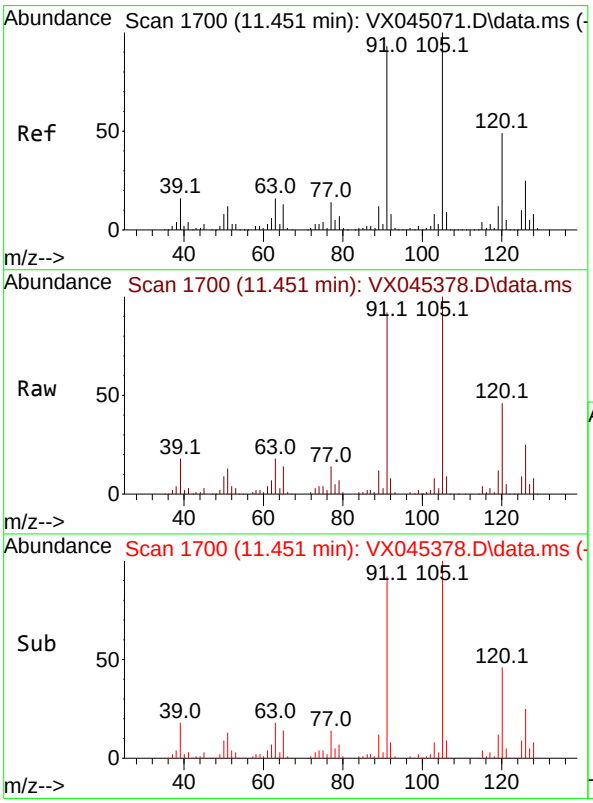
#81
trans-1,4-Dichloro-2-butene
Concen: 19.479 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 75 Resp: 8915

Ion	Ratio	Lower	Upper
75	100		
53	132.4	88.5	132.7
89	46.3	36.2	54.4

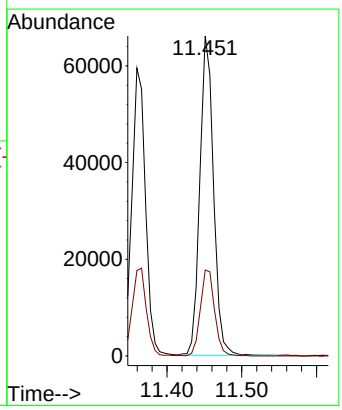


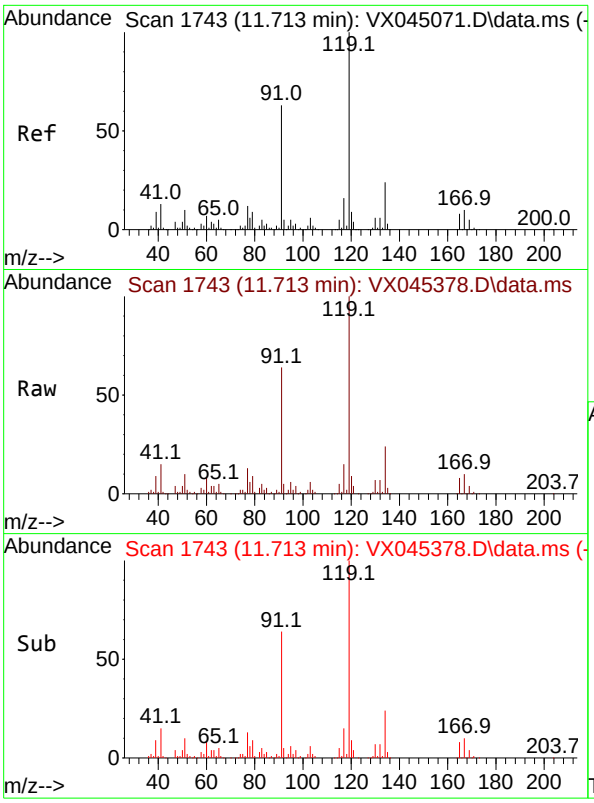


#82
4-Chlorotoluene
Concen: 20.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 91 Resp: 83886

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



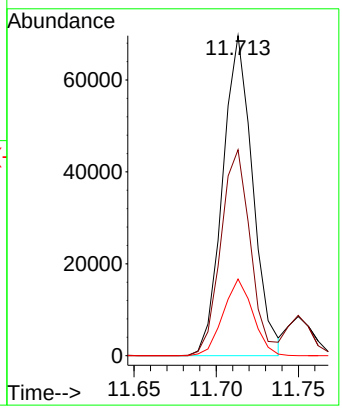


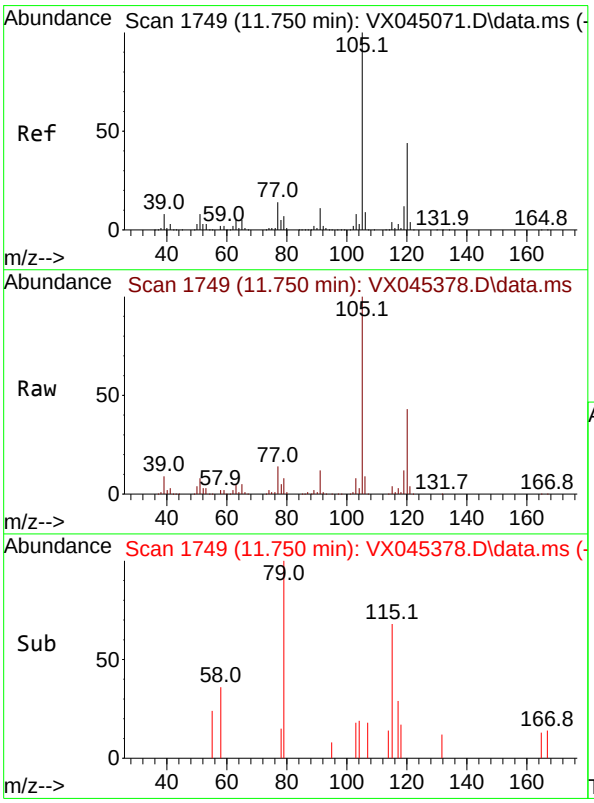
#83
tert-Butylbenzene
Concen: 20.315 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:119 Resp: 88650

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.7	92.1
134	23.7	11.7	35.0

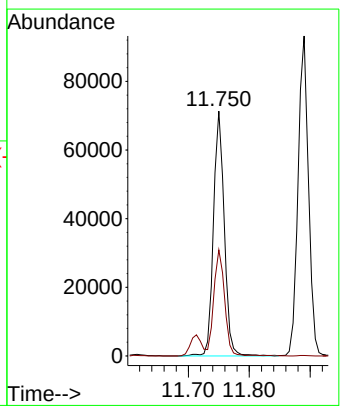


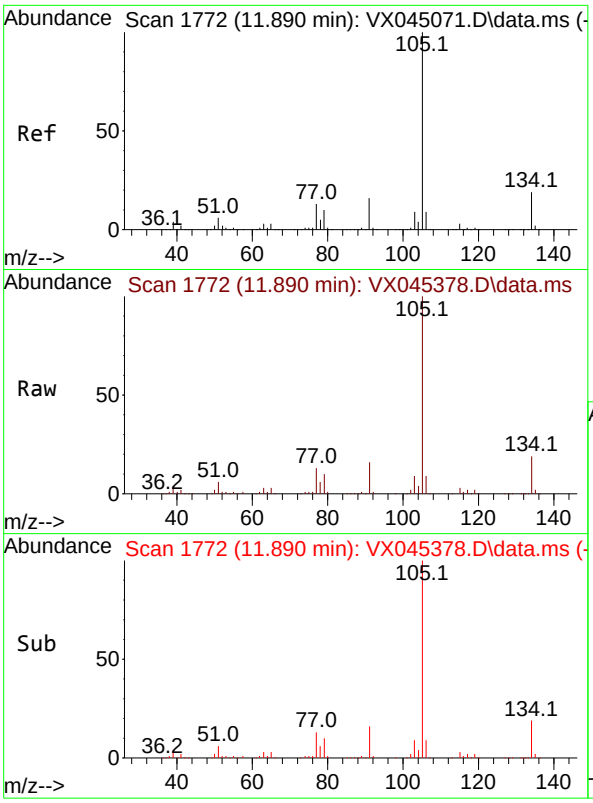


#84
1,2,4-Trimethylbenzene
Concen: 20.602 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:105 Resp: 88039

Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1



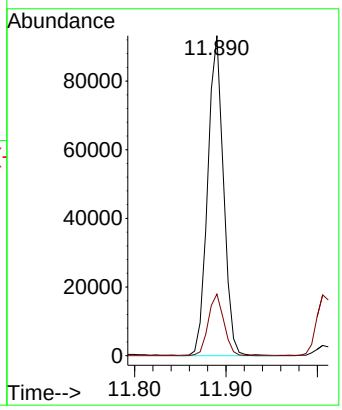


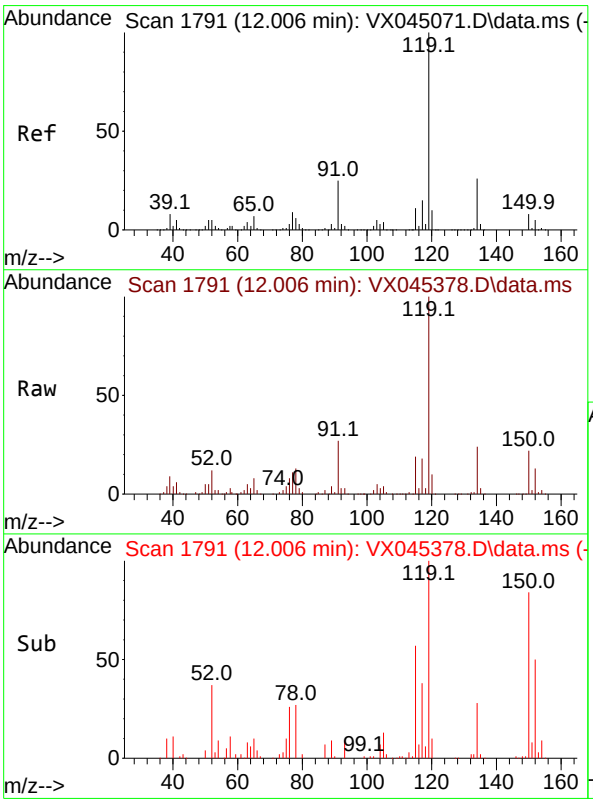
#85
sec-Butylbenzene
Concen: 21.328 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:105 Resp: 111484

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

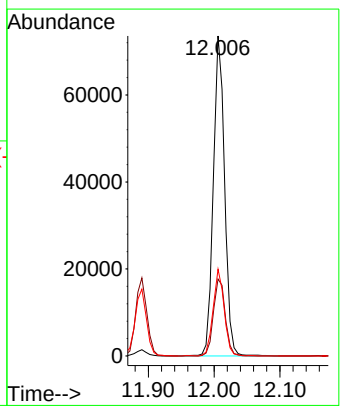


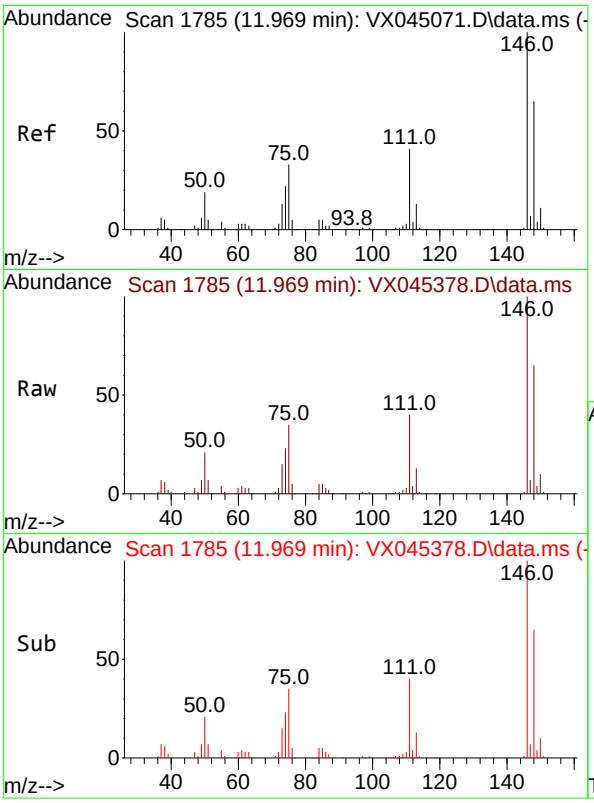


#86
p-Isopropyltoluene
Concen: 20.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:119 Resp: 87777

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	26.5	12.7	38.0



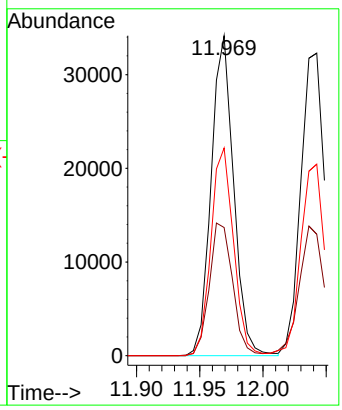


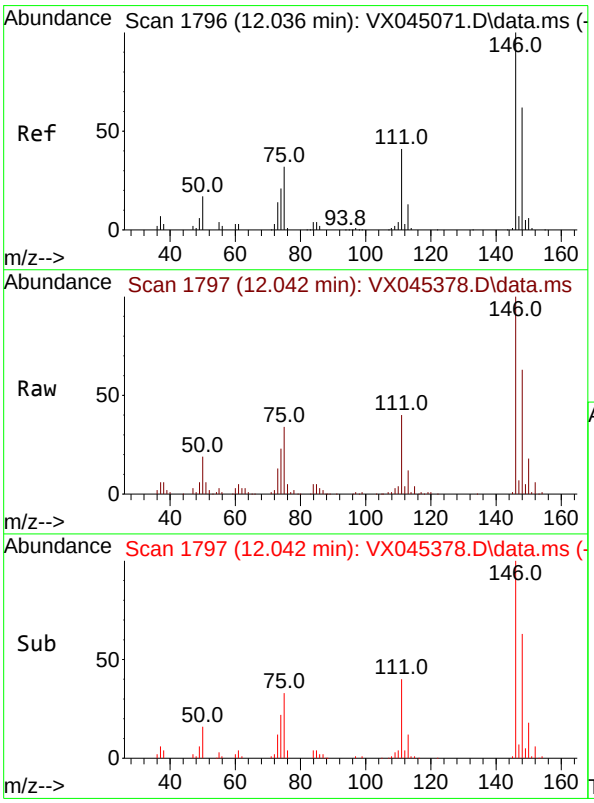
#87
1,3-Dichlorobenzene
Concen: 19.118 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:146 Resp: 42267

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	65.1	31.9	95.7

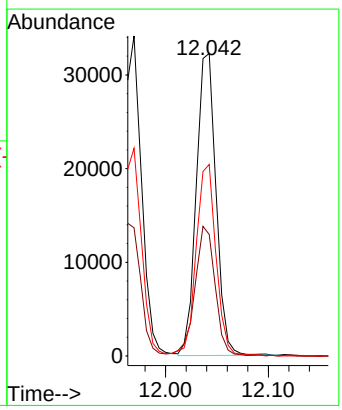


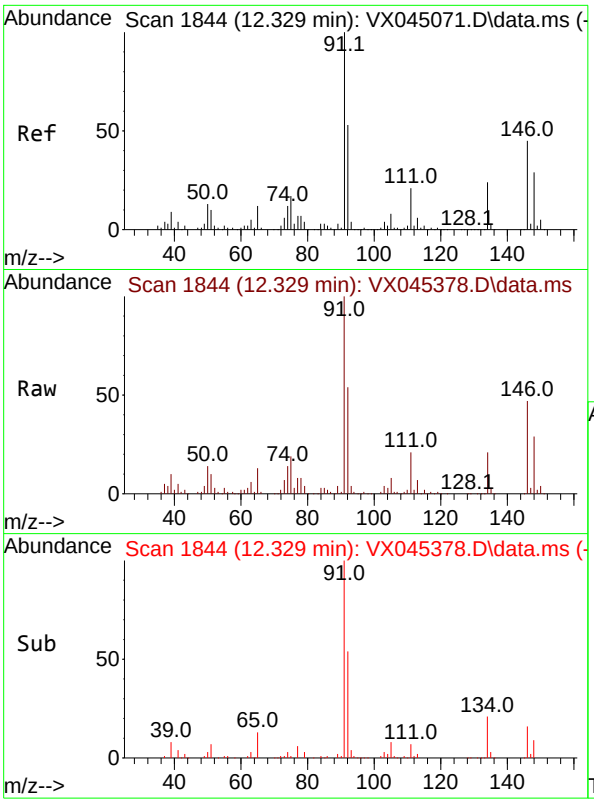


#88
1,4-Dichlorobenzene
Concen: 19.286 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:146 Resp: 43137

Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.2	60.5
148	64.2	31.9	95.9



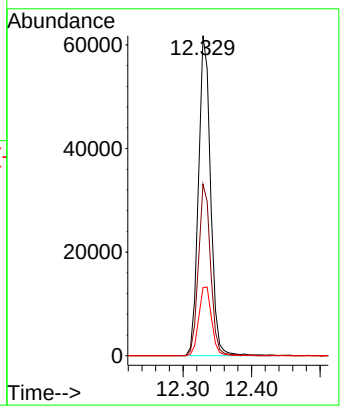


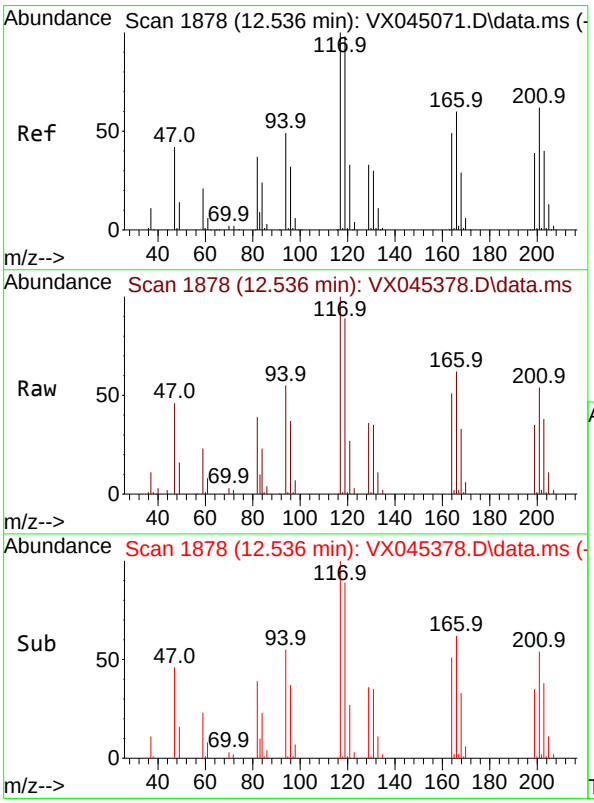
#89
n-Butylbenzene
Concen: 20.885 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion: 91 Resp: 75986

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.0
134	22.7	12.2	36.6

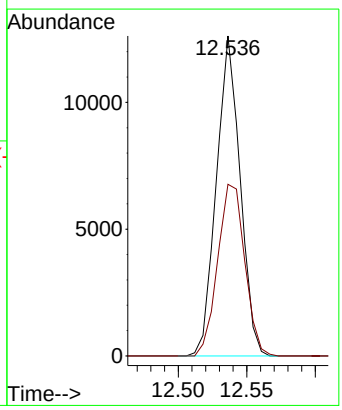


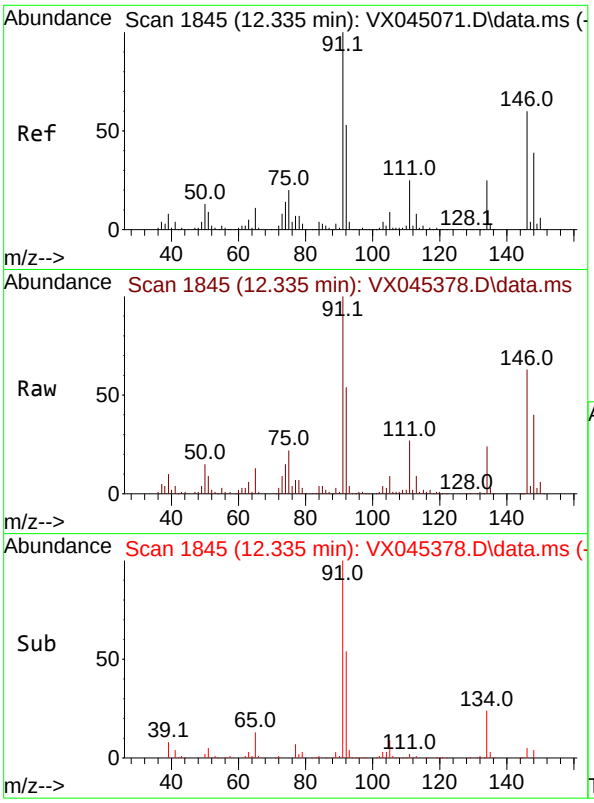


#90
Hexachloroethane
Concen: 19.850 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:117 Resp: 15167

Ion	Ratio	Lower	Upper
117	100		
201	61.4	31.9	95.9



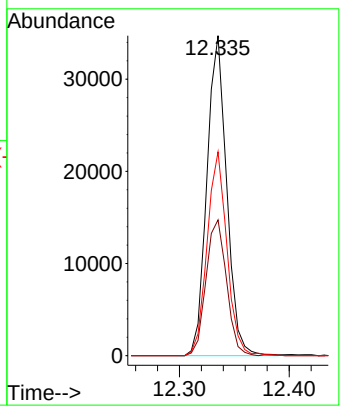


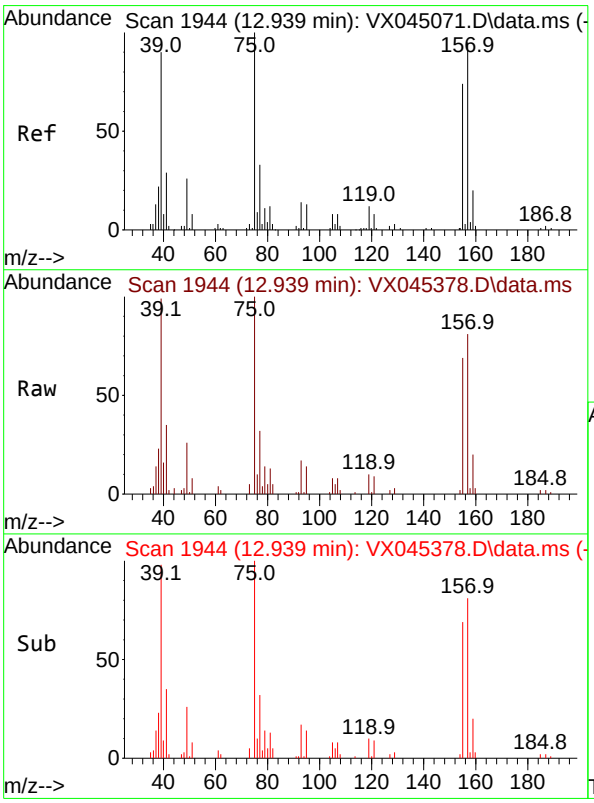
#91
1,2-Dichlorobenzene
Concen: 19.630 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:146 Resp: 43534

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.0	31.9	95.9

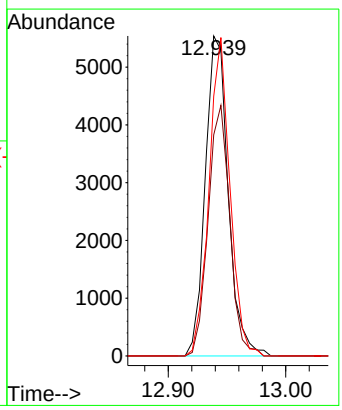


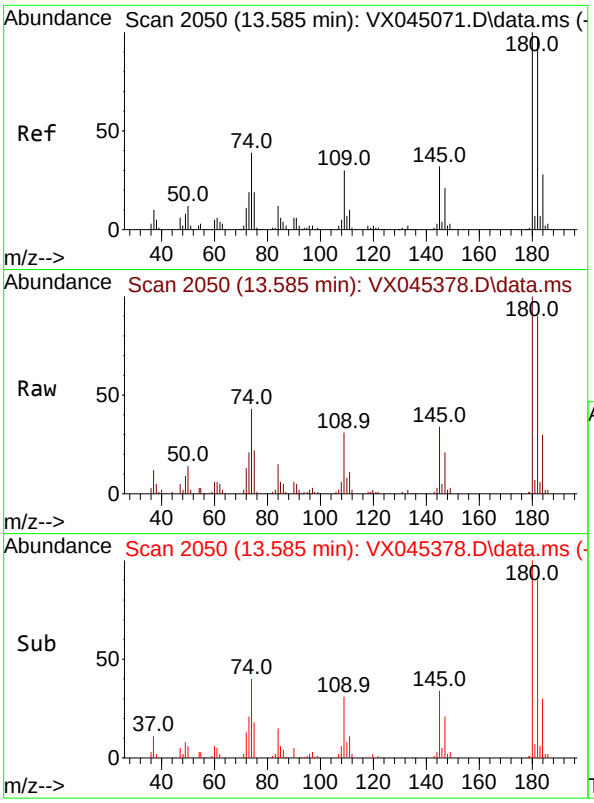


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.952 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion: 75 Resp: 7492

Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.6	118.7
157	91.2	51.1	153.4



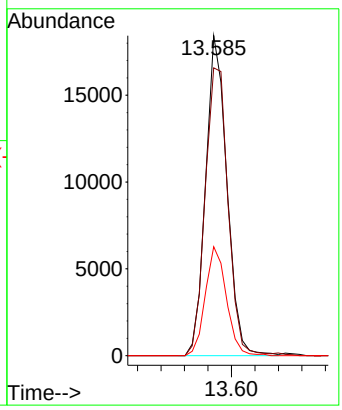


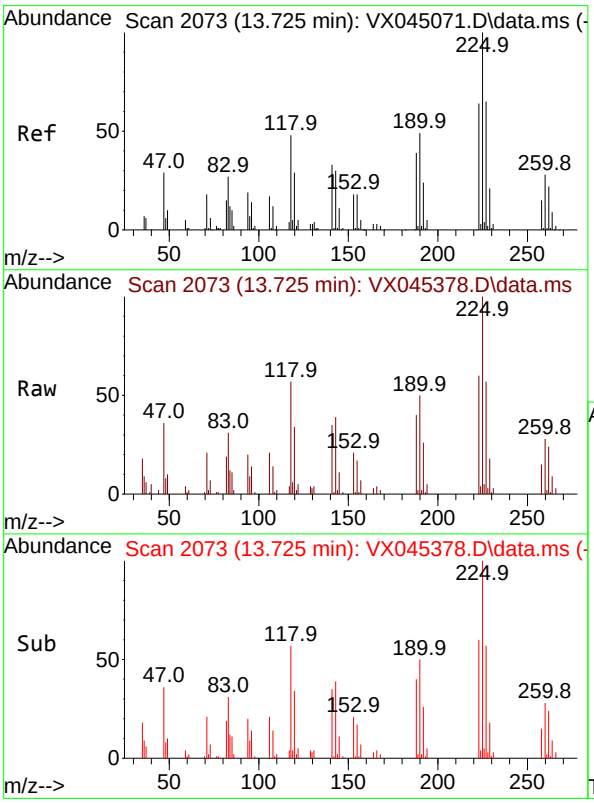
#93
1,2,4-Trichlorobenzene
Concen: 18.403 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:180 Resp: 23239

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	33.7	16.3	48.9

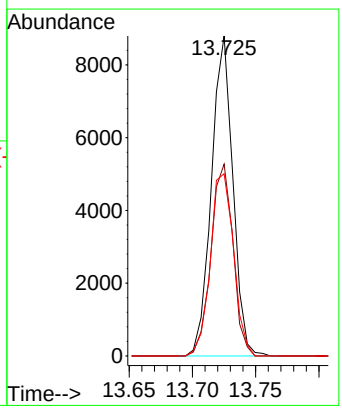


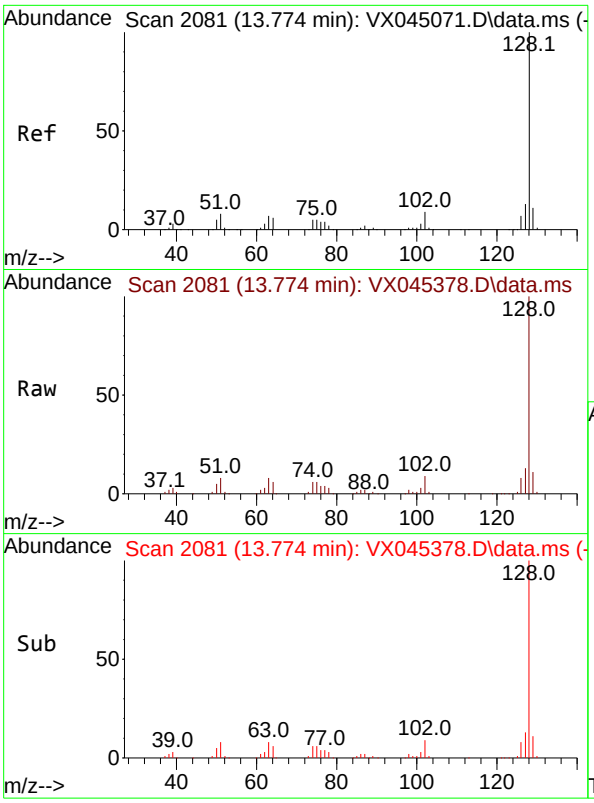


#94
Hexachlorobutadiene
Concen: 19.997 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:225 Resp: 10353

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.7
227	61.9	31.4	94.0



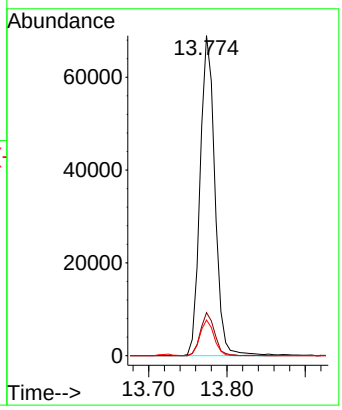


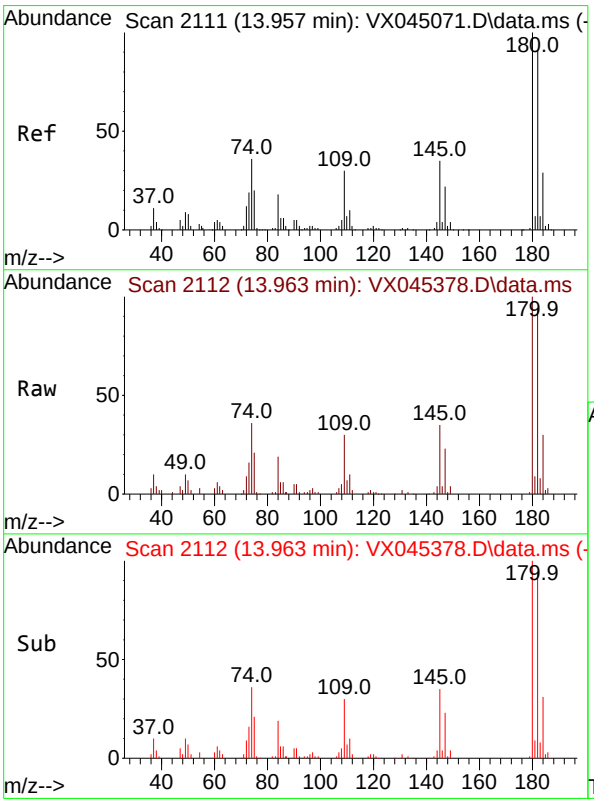
#95
Naphthalene
Concen: 18.655 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tgt Ion:128 Resp: 90512

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.7	13.1

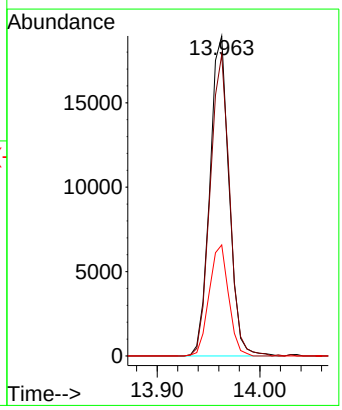




#96
1,2,3-Trichlorobenzene
Concen: 18.526 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045378.D
Acq: 21 Mar 2025 11:15

Tgt Ion:180 Resp: 24680

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	35.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	74853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	54.980	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	5.379	113	48269	53.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	8.647	98	161646	49.417	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.840%			
62) 4-Bromofluorobenzene	11.079	95	56960	52.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44493	47.221	ug/l	96
3) Chloromethane	1.307	50	49810	43.198	ug/l	99
4) Vinyl Chloride	1.374	62	50137	43.831	ug/l	98
5) Bromomethane	1.593	94	22345	49.692	ug/l	100
6) Chloroethane	1.660	64	23804	45.116	ug/l	98
7) Trichlorofluoromethane	1.868	101	74964	49.505	ug/l	99
8) Diethyl Ether	2.136	74	28674	48.412	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	47964	55.132	ug/l	99
10) Methyl Iodide	2.441	142	59117	54.375	ug/l	94
11) Tert butyl alcohol	2.989	59	48799	216.377	ug/l	98
12) 1,1-Dichloroethene	2.307	96	46209	50.239	ug/l	95
13) Acrolein	2.239	56	65119	249.782	ug/l	99
14) Allyl chloride	2.654	41	90404	55.217	ug/l	94
15) Acrylonitrile	3.062	53	163717	270.857	ug/l	99
16) Acetone	2.386	43	150609	272.633	ug/l	94
17) Carbon Disulfide	2.502	76	93735	38.262	ug/l	98
18) Methyl Acetate	2.703	43	98631	74.217	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	176330	57.141	ug/l	99
20) Methylene Chloride	2.782	84	56599	51.722	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	47043	51.770	ug/l	98
22) Diisopropyl ether	3.764	45	190414	57.185	ug/l	97
23) Vinyl Acetate	3.721	43	785465	282.670	ug/l	98
24) 1,1-Dichloroethane	3.599	63	103230	55.318	ug/l	99
25) 2-Butanone	4.562	43	235908	283.702	ug/l	99
26) 2,2-Dichloropropane	4.471	77	60745	69.398	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	60830	54.229	ug/l	94
28) Bromochloromethane	4.891	49	51351	57.732	ug/l	99
29) Tetrahydrofuran	5.007	42	150362	269.265	ug/l	100
30) Chloroform	5.087	83	108341	58.430	ug/l	97
31) Cyclohexane	5.465	56	78351	48.368	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	85762	57.268	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66133	53.446	ug/l	99
37) Ethyl Acetate	4.715	43	87199	54.690	ug/l	99
38) Carbon Tetrachloride	5.672	117	70522	56.138	ug/l	97
39) Methylcyclohexane	7.373	83	76690	51.725	ug/l	96
40) Benzene	6.031	78	210474	53.866	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	51712	59.981	ug/l		98
42) 1,2-Dichloroethane	6.080	62	86759	61.661	ug/l		97
43) Isopropyl Acetate	6.342	43	135762	57.582	ug/l		98
44) Trichloroethene	7.123	130	49047	53.459	ug/l		96
45) 1,2-Dichloropropane	7.428	63	55501	55.246	ug/l		96
46) Dibromomethane	7.580	93	41450	58.374	ug/l		96
47) Bromodichloromethane	7.818	83	82269	59.068	ug/l		99
48) Methyl methacrylate	7.690	41	69727	58.949	ug/l		94
49) 1,4-Dioxane	7.665	88	24595	985.741	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	463190	292.590	ug/l		99
52) Toluene	8.714	92	126198	55.048	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	68896	59.170	ug/l		94
54) cis-1,3-Dichloropropene	8.360	75	79164	58.304	ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	52975	56.131	ug/l		99
56) Ethyl methacrylate	9.116	69	83667	58.321	ug/l		93
57) 1,3-Dichloropropane	9.305	76	91764	56.184	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	229112	327.394	ug/l		98
59) 2-Hexanone	9.427	43	338175	294.834	ug/l		98
60) Dibromochloromethane	9.519	129	57002	57.765	ug/l		99
61) 1,2-Dibromoethane	9.604	107	53600	56.890	ug/l		98
64) Tetrachloroethene	9.269	164	39719	53.474	ug/l		96
65) Chlorobenzene	10.080	112	132438	53.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45778	56.016	ug/l		99
67) Ethyl Benzene	10.189	91	239507	56.012	ug/l		98
68) m/p-Xylenes	10.299	106	175085	111.853	ug/l		96
69) o-Xylene	10.640	106	85276	54.016	ug/l		94
70) Styrene	10.653	104	145711	57.041	ug/l		97
71) Bromoform	10.799	173	35721	57.963	ug/l	#	97
73) Isopropylbenzene	10.957	105	227633	54.369	ug/l		99
74) N-amyl acetate	10.842	43	110444	56.217	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83518	54.359	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	85428	68.425	ug/l		86
77) Bromobenzene	11.195	156	51333	51.964	ug/l		96
78) n-propylbenzene	11.299	91	262384	55.477	ug/l		98
79) 2-Chlorotoluene	11.360	91	160491	53.282	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	183136	54.096	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	18639	51.090	ug/l	#	83
82) 4-Chlorotoluene	11.451	91	179417	54.654	ug/l		99
83) tert-Butylbenzene	11.713	119	186344	53.572	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	187934	55.172	ug/l		98
85) sec-Butylbenzene	11.890	105	230317	55.276	ug/l		100
86) p-Isopropyltoluene	12.006	119	188467	55.971	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	93653	53.143	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	93536	52.463	ug/l		99
89) n-Butylbenzene	12.329	91	166636	57.458	ug/l		99
90) Hexachloroethane	12.536	117	32352	53.118	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	95638	54.100	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17831	59.571	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	57341	56.965	ug/l		98
94) Hexachlorobutadiene	13.725	225	22756	55.141	ug/l		98
95) Naphthalene	13.774	128	219620	56.787	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	58600	55.183	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

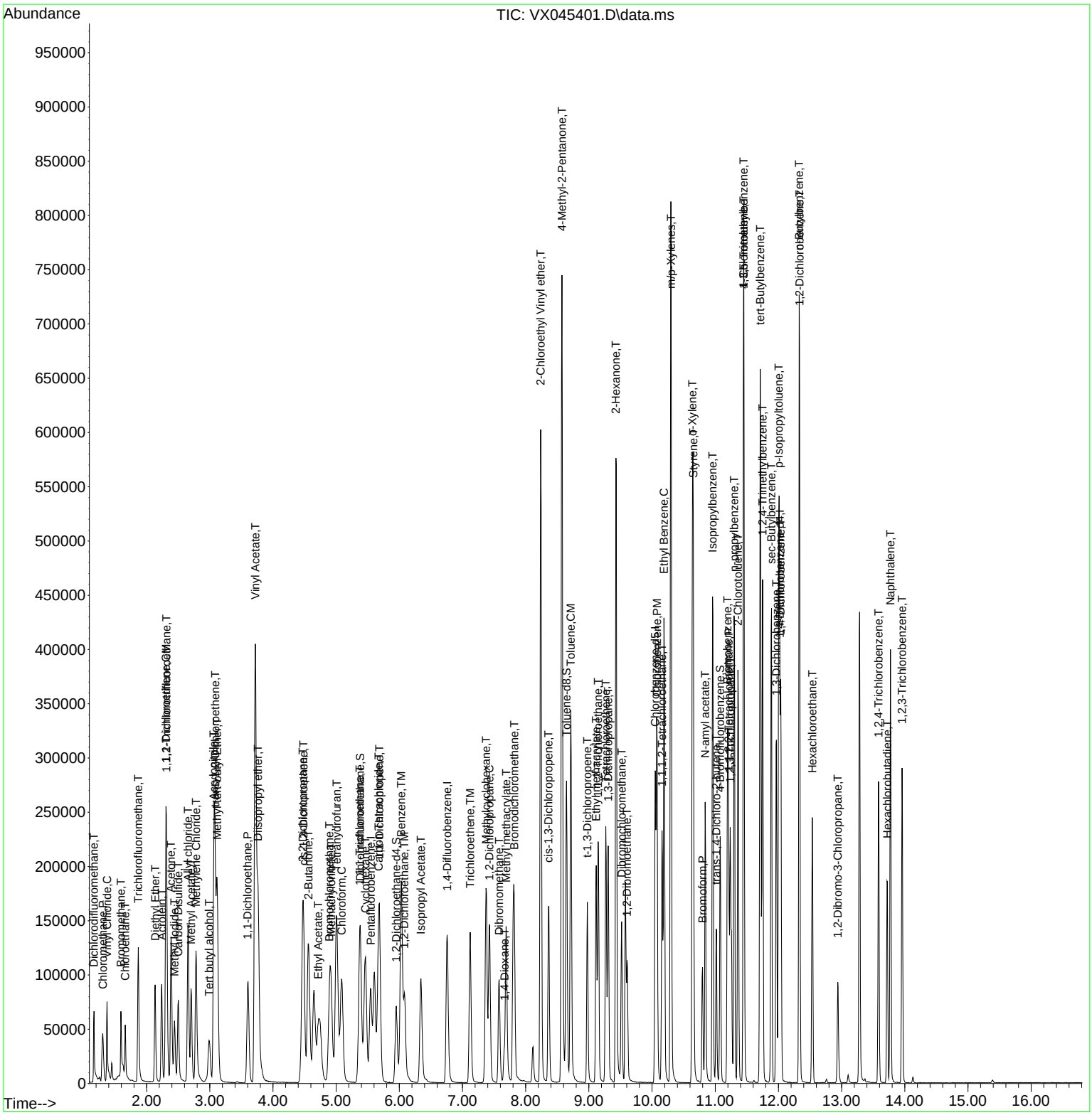
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

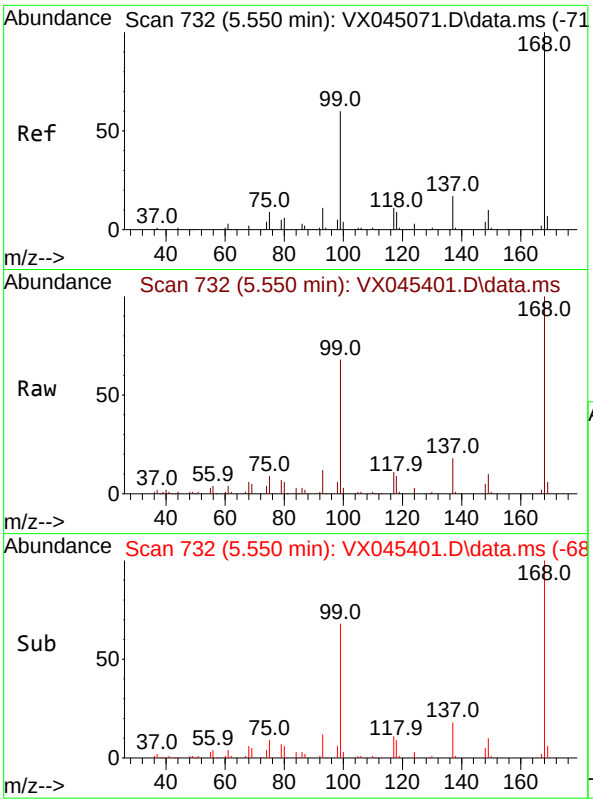
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
Data File : VX045401.D
Acq On : 21 Mar 2025 20:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 22 02:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



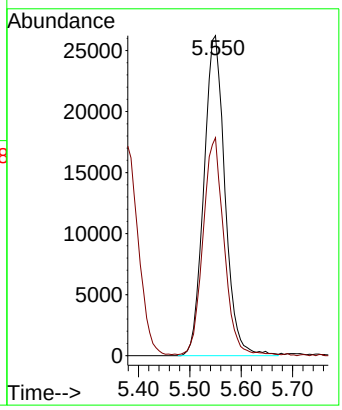


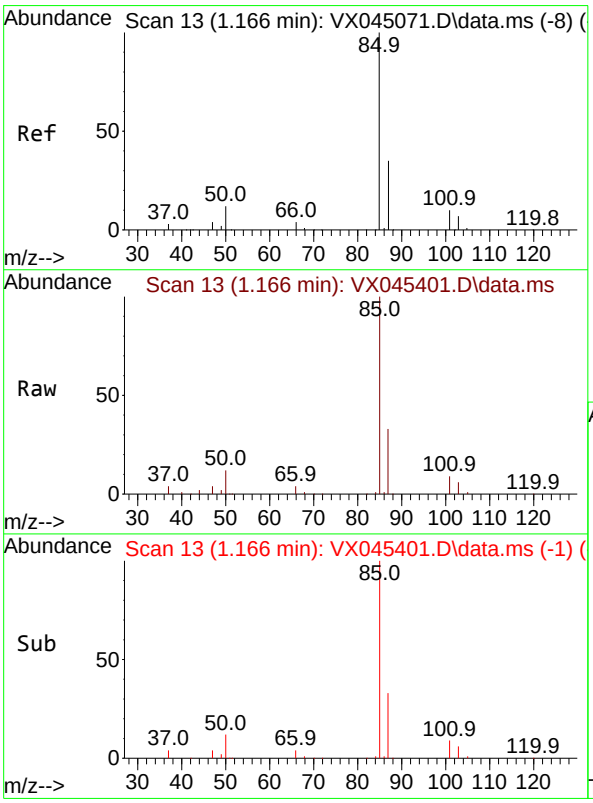
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 74853

Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.4

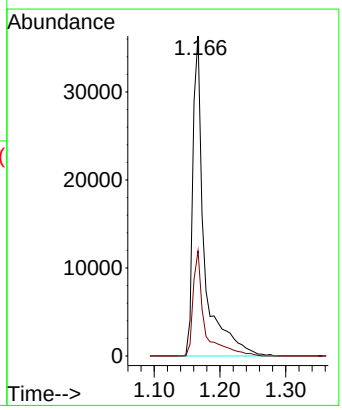


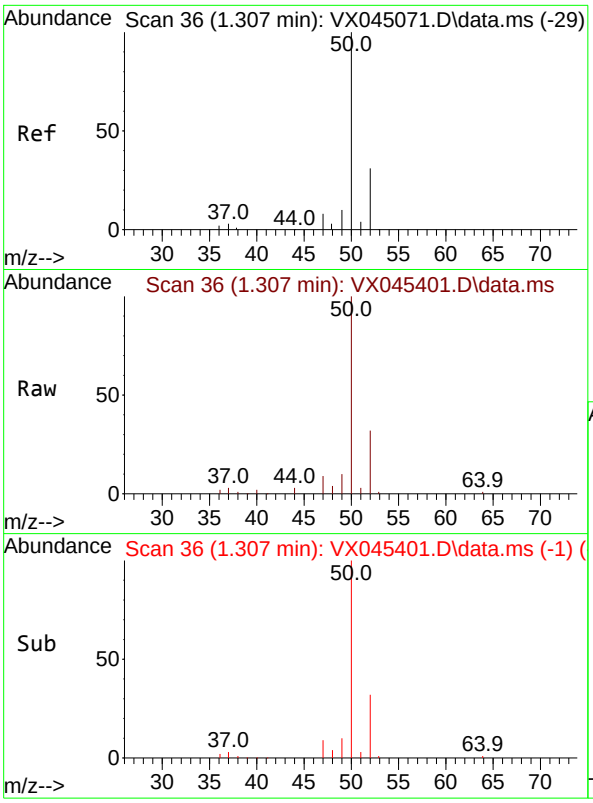


#2
Dichlorodifluoromethane
Concen: 47.221 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 85 Resp: 44493

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3



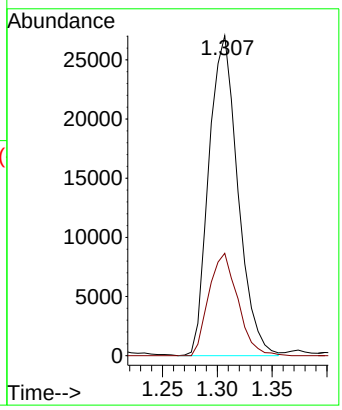


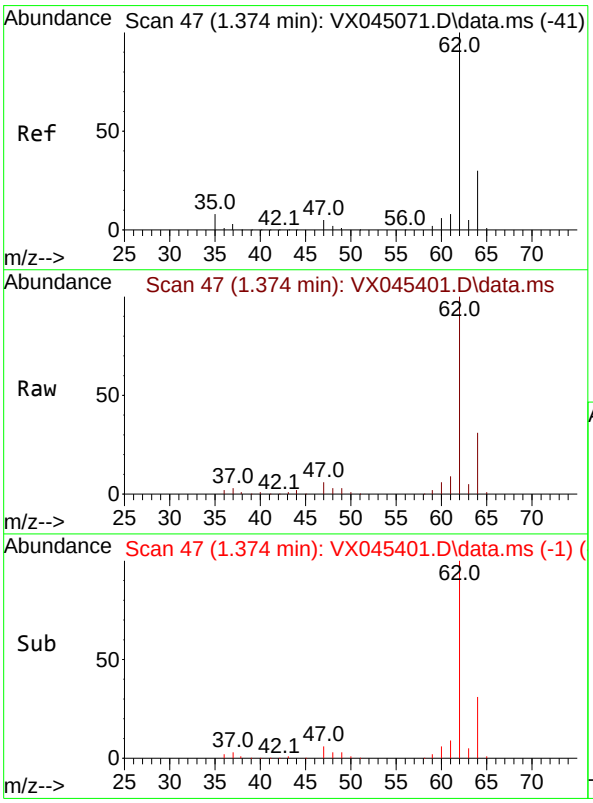
#3
Chloromethane
Concen: 43.198 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 49810

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.4

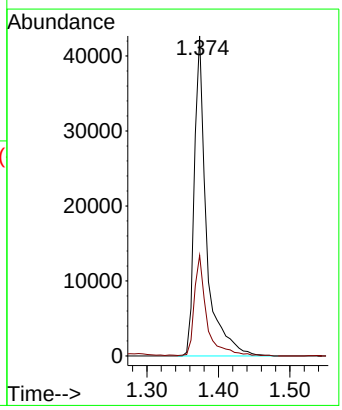


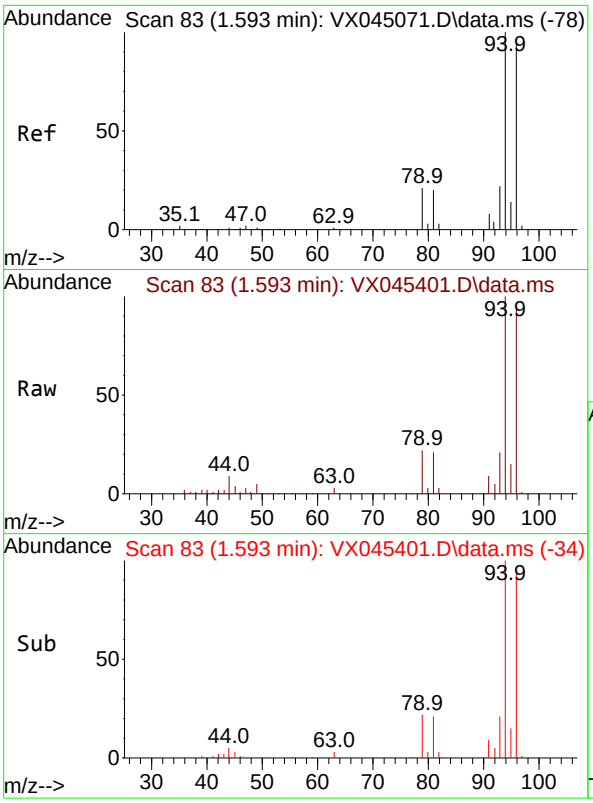


#4
Vinyl Chloride
Concen: 43.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 50137

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



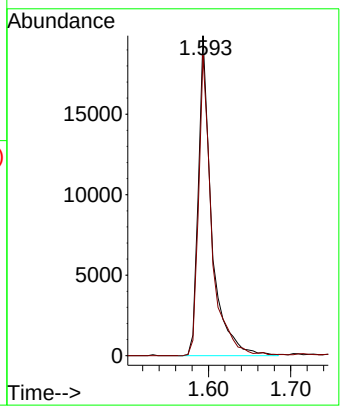


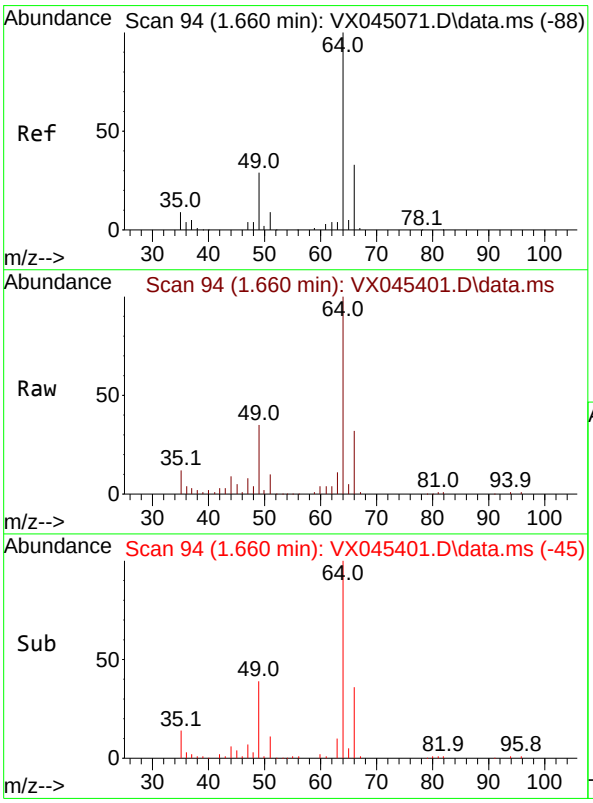
#5
Bromomethane
Concen: 49.692 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 22345

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.0	112.4

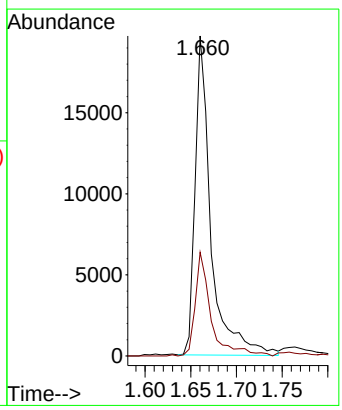


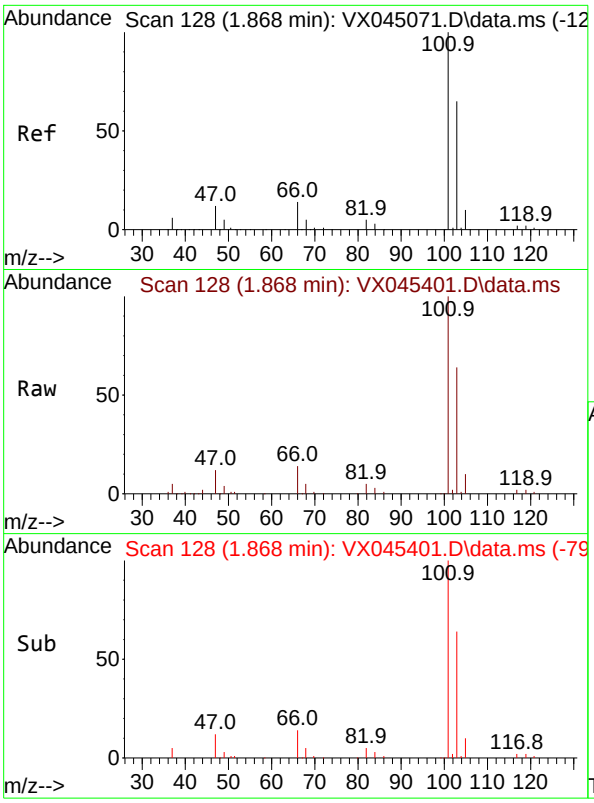


#6
Chloroethane
Concen: 45.116 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 64 Resp: 23804

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.7	40.1



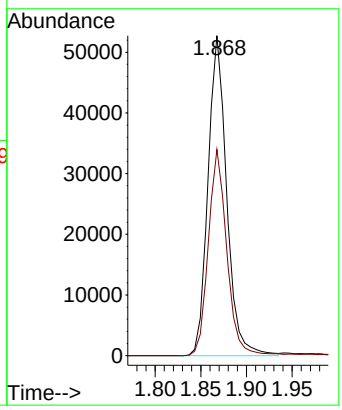


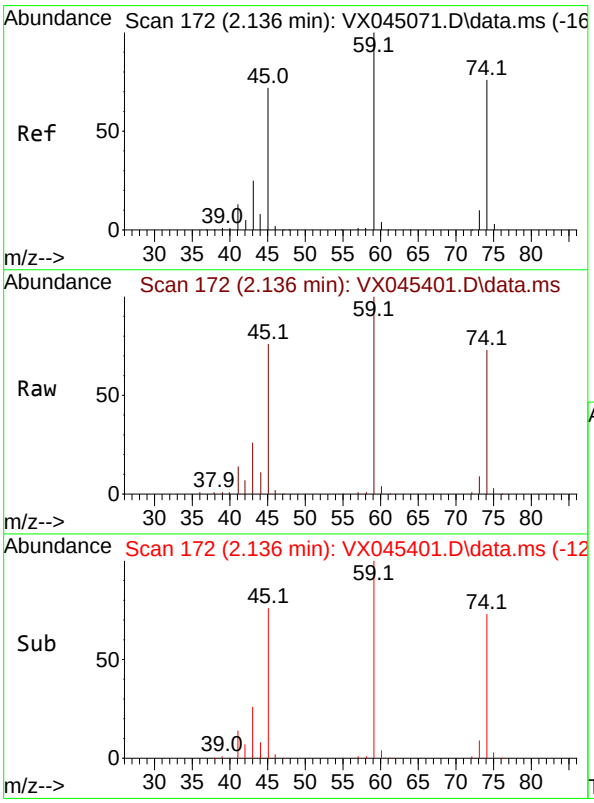
#7
Trichlorofluoromethane
Concen: 49.505 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 74964

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

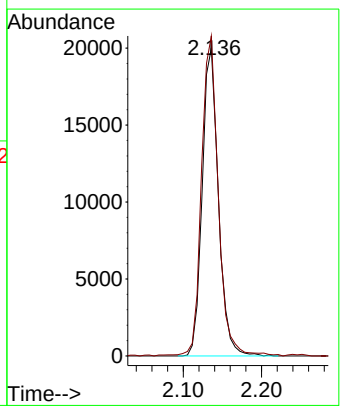


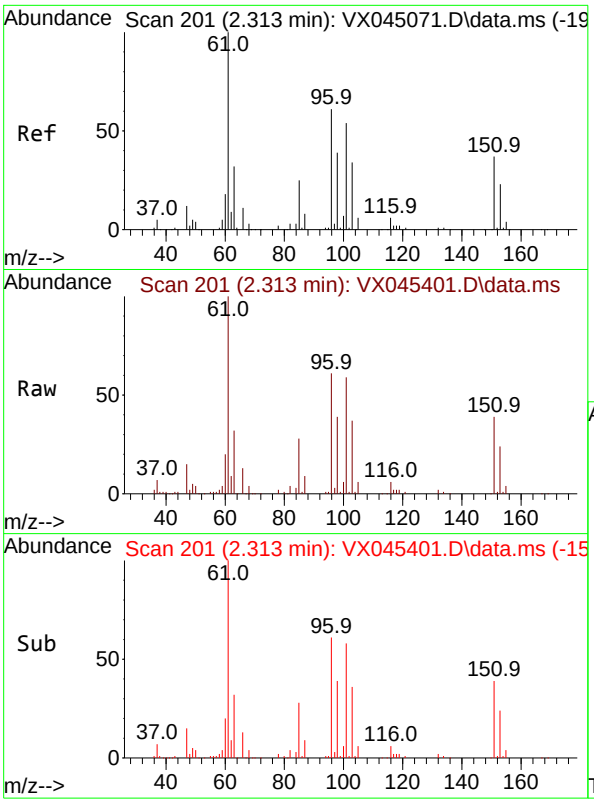


#8
Diethyl Ether
Concen: 48.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 74 Resp: 28674

Ion	Ratio	Lower	Upper
74	100		
45	108.2	51.5	154.5



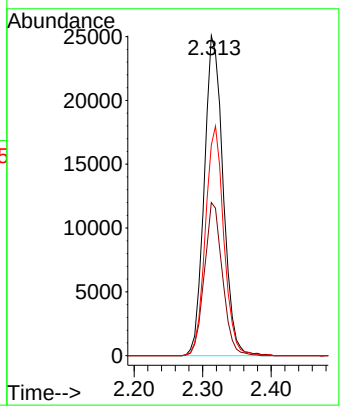


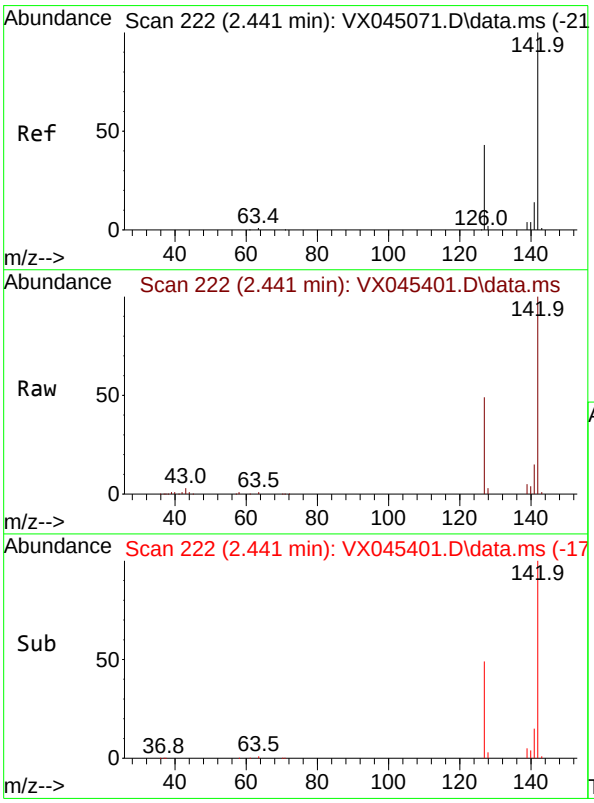
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.132 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 47964

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	70.1	56.4	84.6

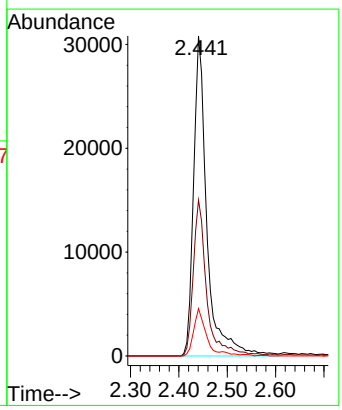


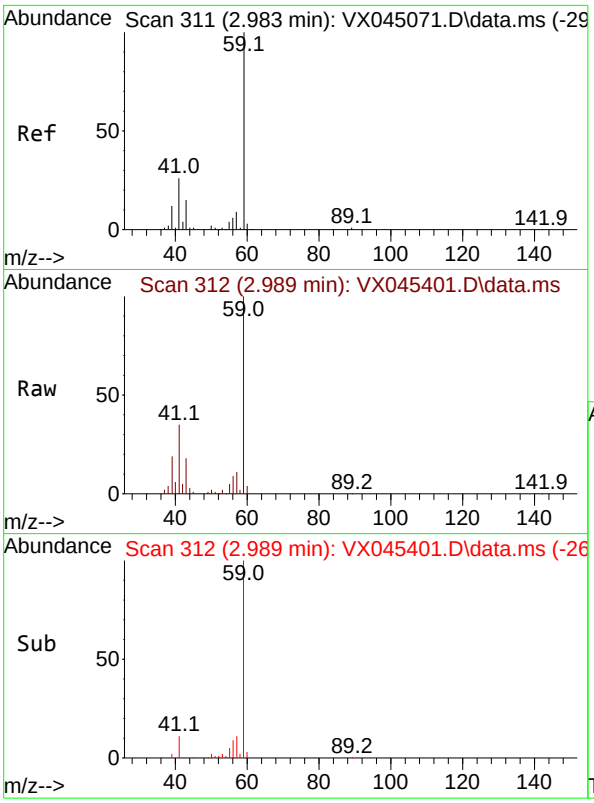


#10
Methyl Iodide
Concen: 54.375 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:142 Resp: 59117

Ion	Ratio	Lower	Upper
142	100		
127	49.0	35.4	53.2
141	14.1	11.6	17.4



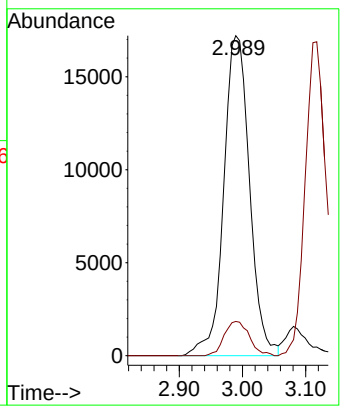


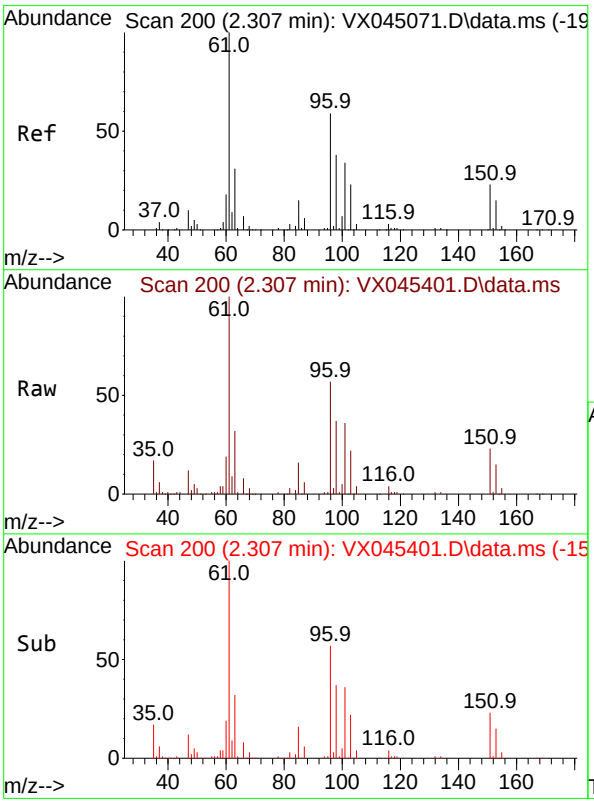
#11
Tert butyl alcohol
Concen: 216.377 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 48799

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

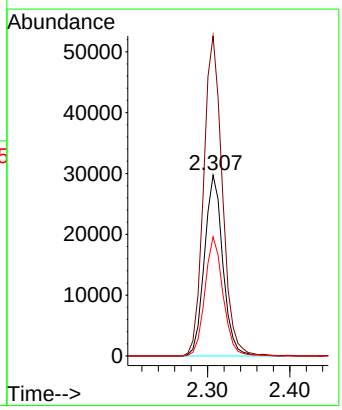


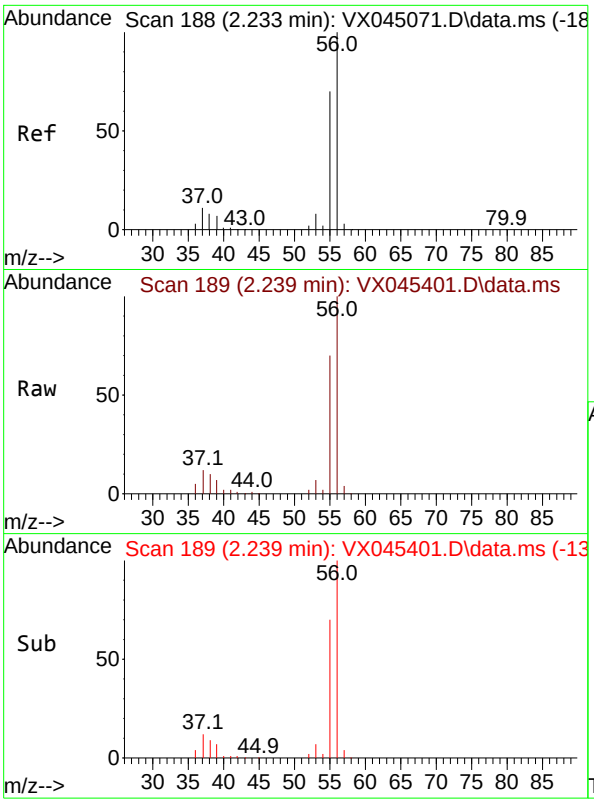


#12
1,1-Dichloroethene
Concen: 50.239 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 96 Resp: 46209

Ion	Ratio	Lower	Upper
96	100		
61	177.0	134.6	202.0
98	65.8	51.0	76.6



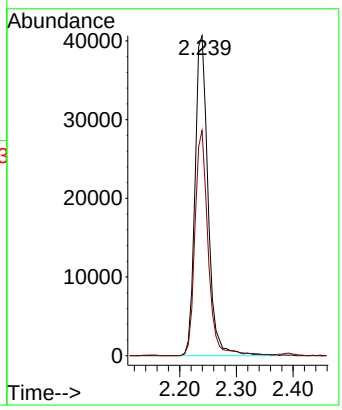


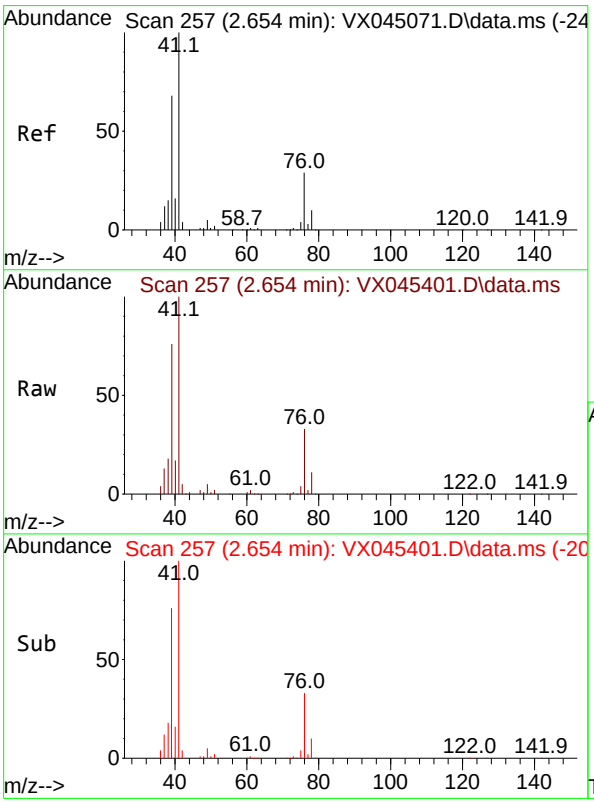
#13
Acrolein
Concen: 249.782 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 65119

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

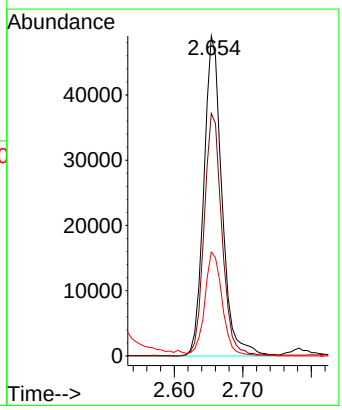


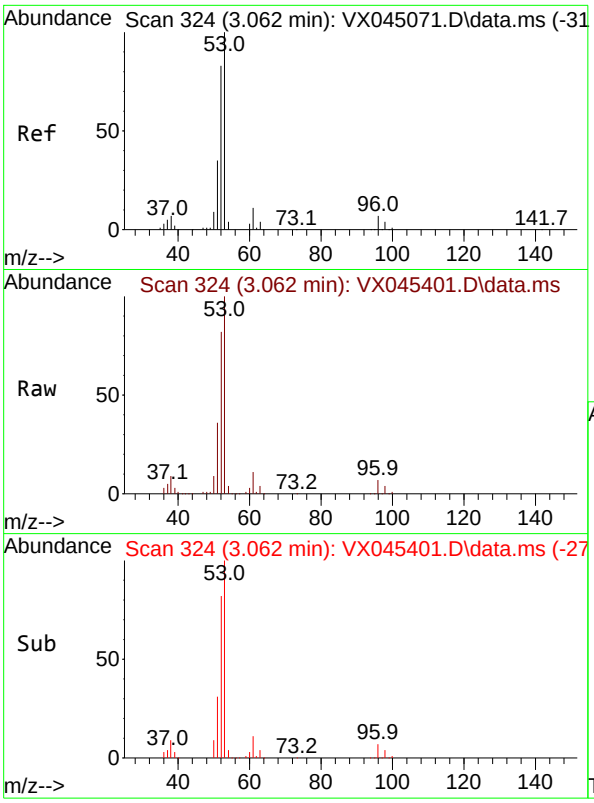


#14
Allyl chloride
Concen: 55.217 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 90404

Ion	Ratio	Lower	Upper
41	100		
39	74.4	53.8	80.8
76	31.6	25.2	37.8



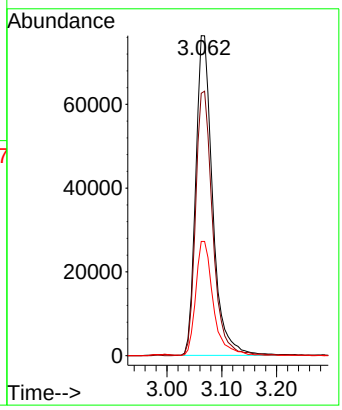


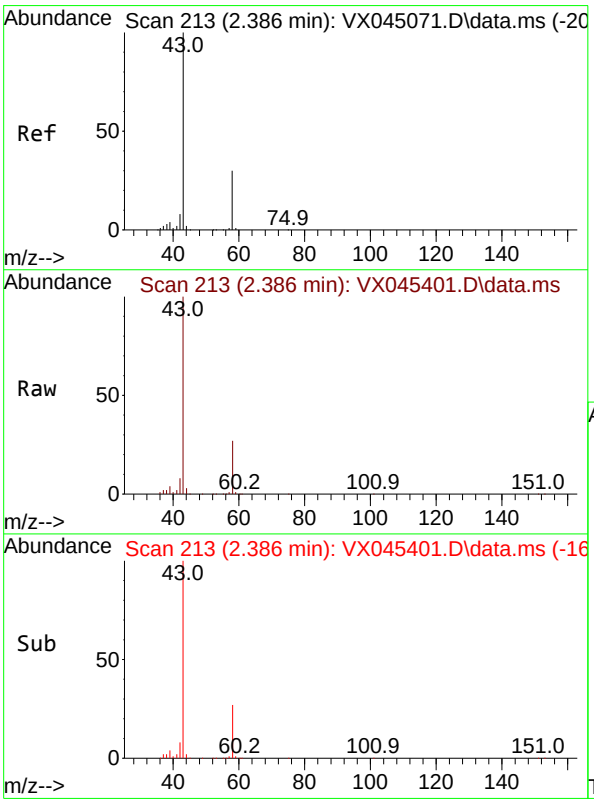
#15
Acrylonitrile
Concen: 270.857 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 163717

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	36.7	29.0	43.4

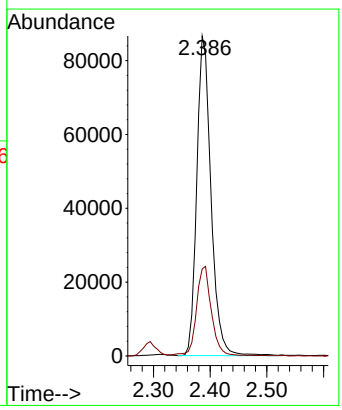


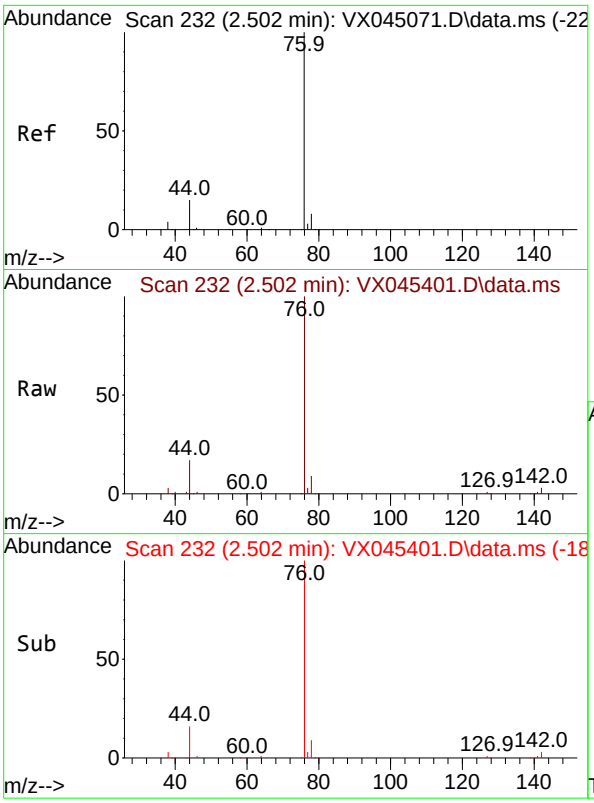


#16
Acetone
Concen: 272.633 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 150609

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.2	36.4



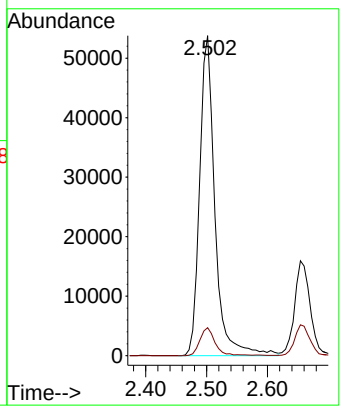


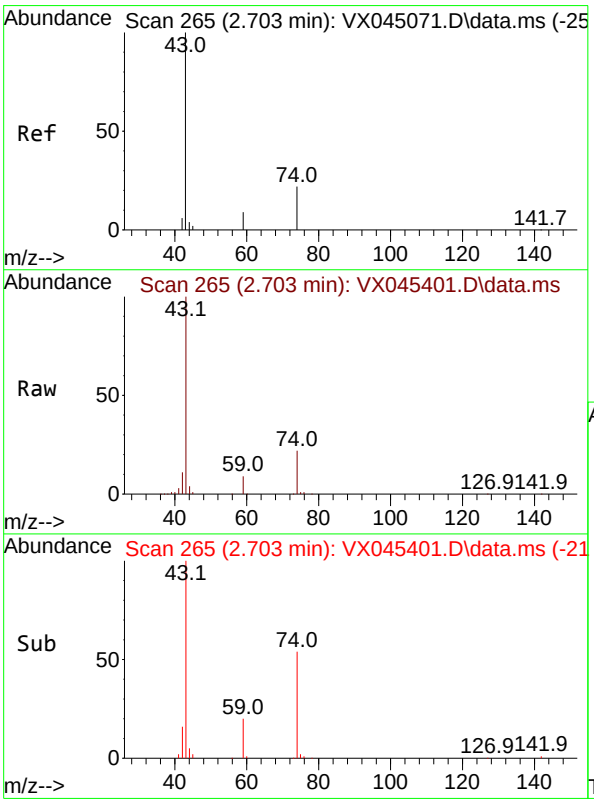
#17
Carbon Disulfide
Concen: 38.262 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 93735

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

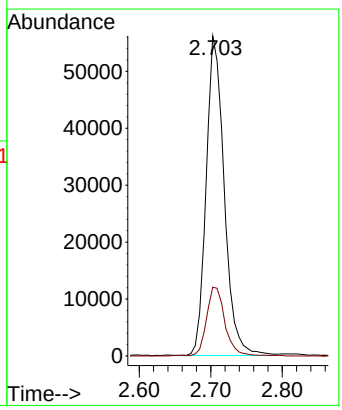


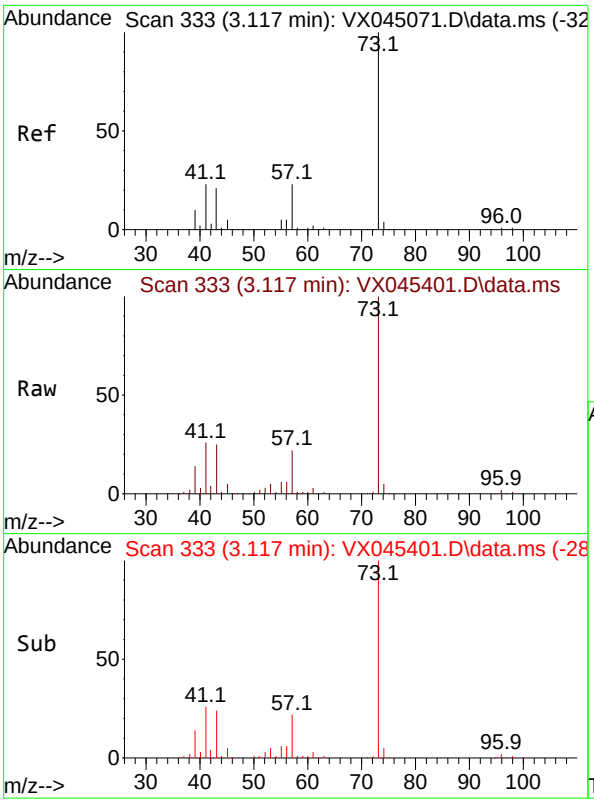


#18
Methyl Acetate
Concen: 74.217 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 98631

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



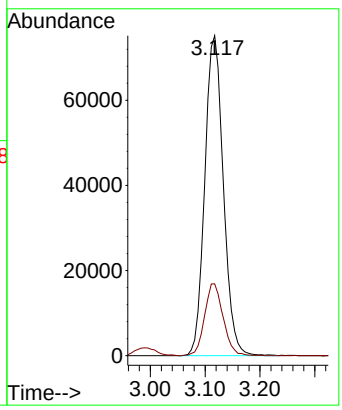


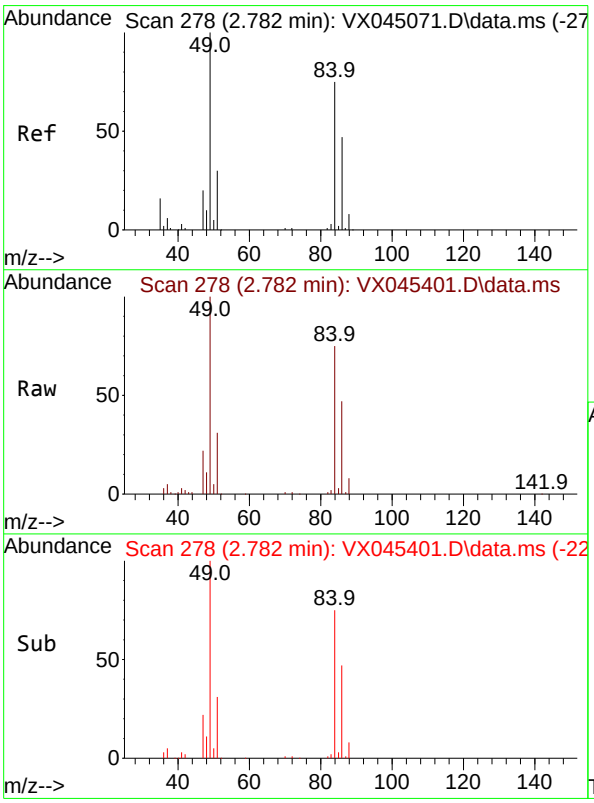
#19
Methyl tert-butyl Ether
Concen: 57.141 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 176330

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

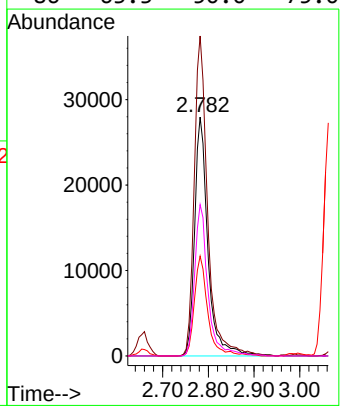


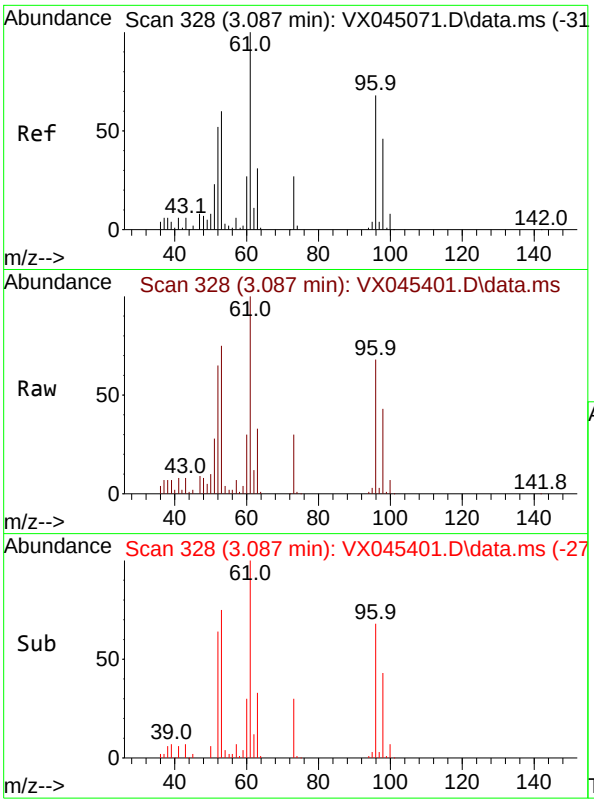


#20
Methylene Chloride
Concen: 51.722 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 84 Resp: 56599

Ion	Ratio	Lower	Upper
84	100		
49	133.9	106.5	159.7
51	41.8	32.1	48.1
86	63.3	50.0	75.0



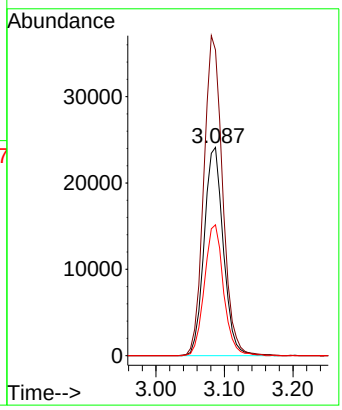


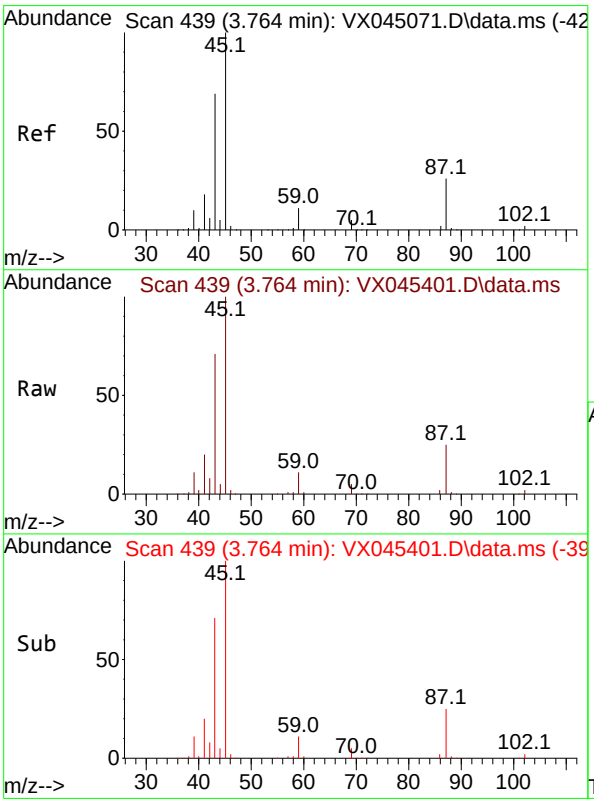
#21
trans-1,2-Dichloroethene
Concen: 51.770 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 47043

Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.0	175.4
98	62.8	53.4	80.2

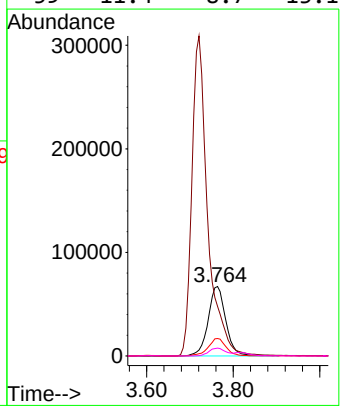


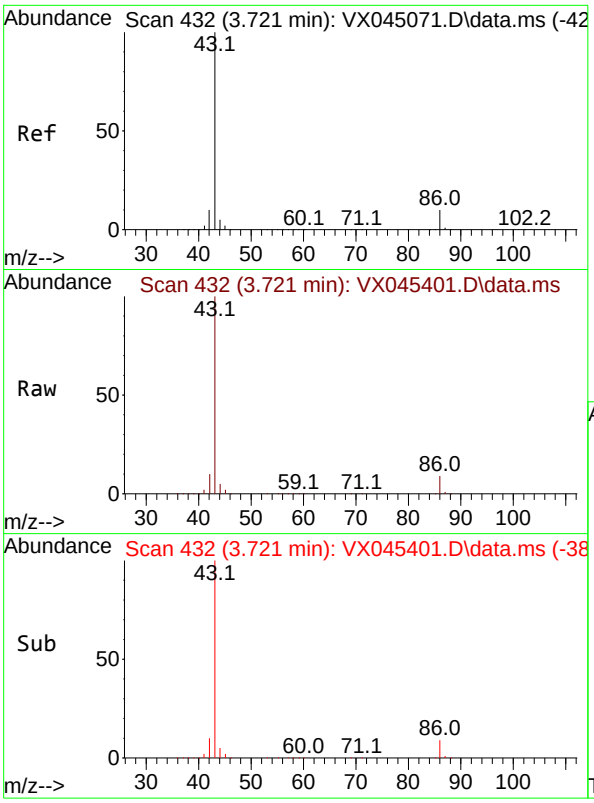


#22
Diisopropyl ether
Concen: 57.185 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 45 Resp: 190414

Ion	Ratio	Lower	Upper
45	100		
43	71.1	54.9	82.3
87	25.0	21.0	31.4
59	11.4	8.7	13.1



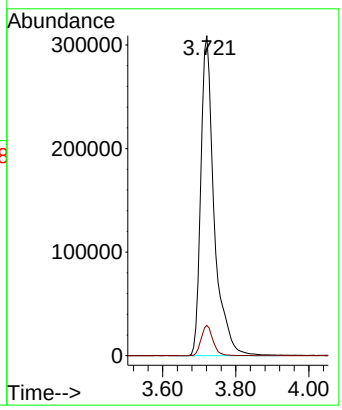


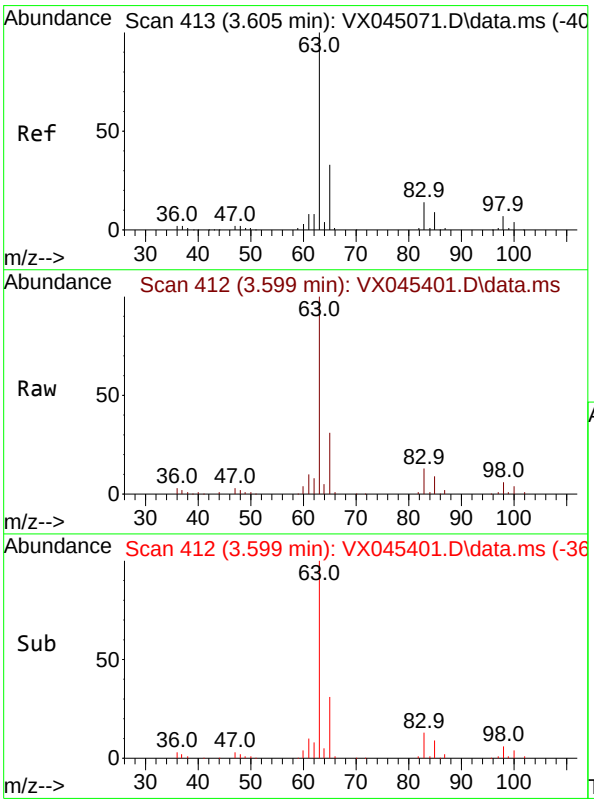
#23
Vinyl Acetate
Concen: 282.670 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 785465

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

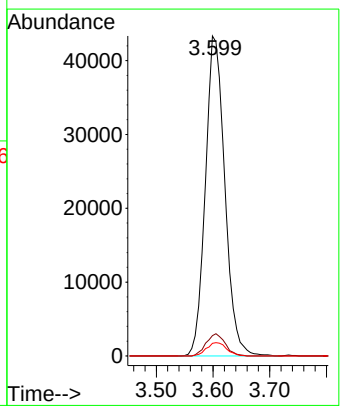


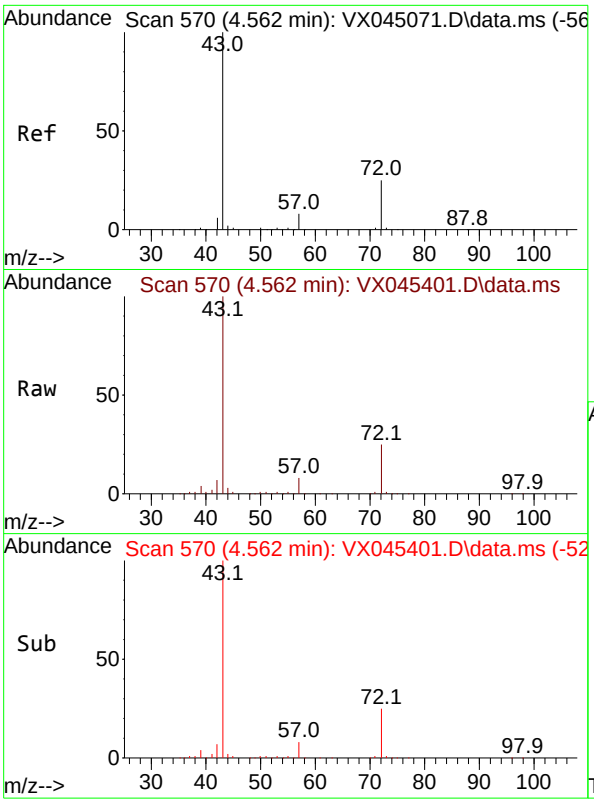


#24
1,1-Dichloroethane
Concen: 55.318 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 103230

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.0	2.1	6.5



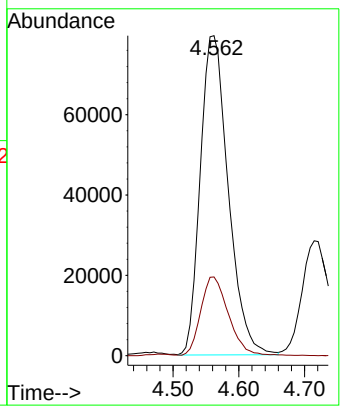


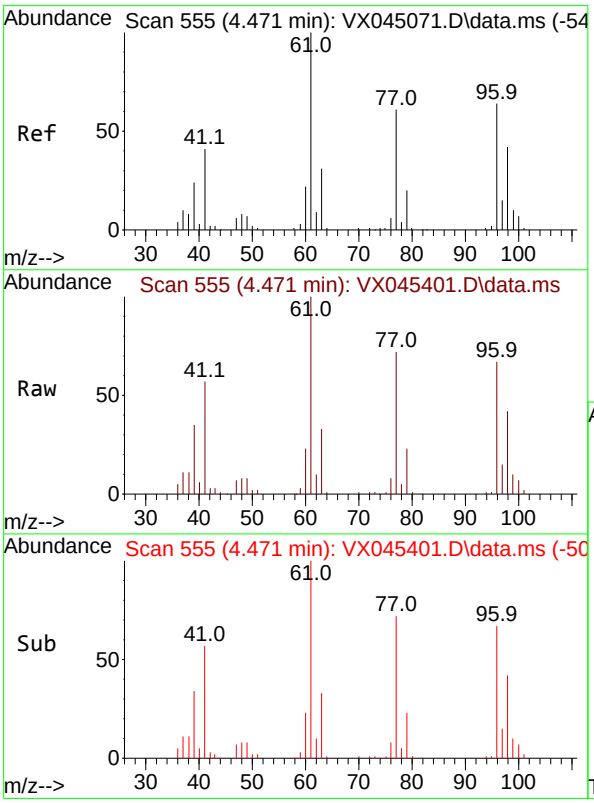
#25
2-Butanone
Concen: 283.702 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 235908

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

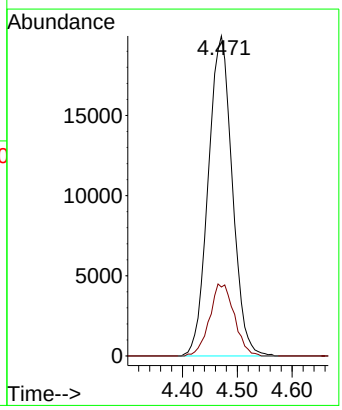


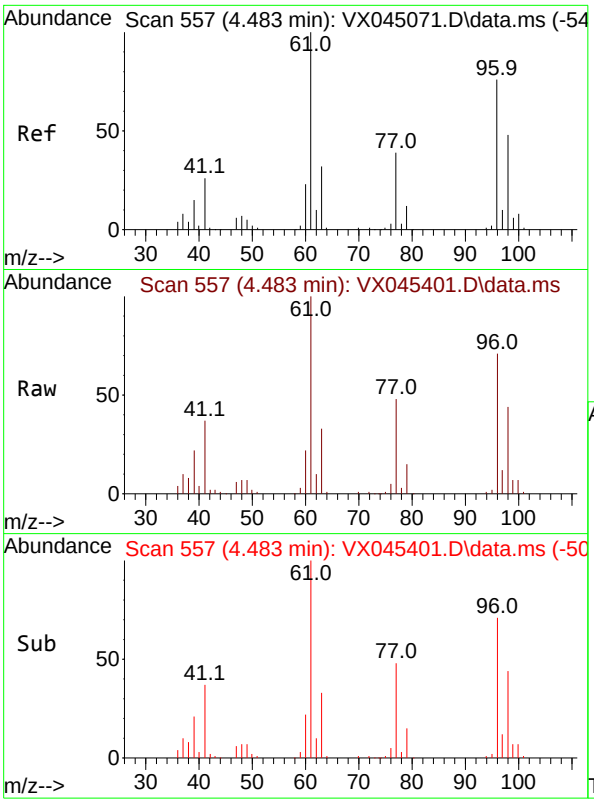


#26
2,2-Dichloropropane
Concen: 69.398 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 77 Resp: 60745

Ion	Ratio	Lower	Upper
77	100		
97	23.2	12.4	37.0



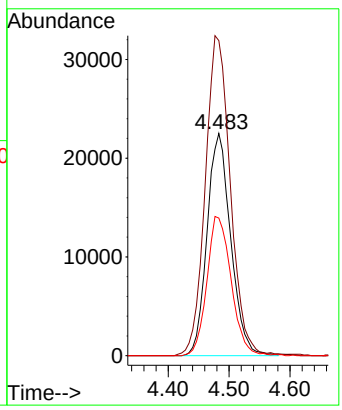


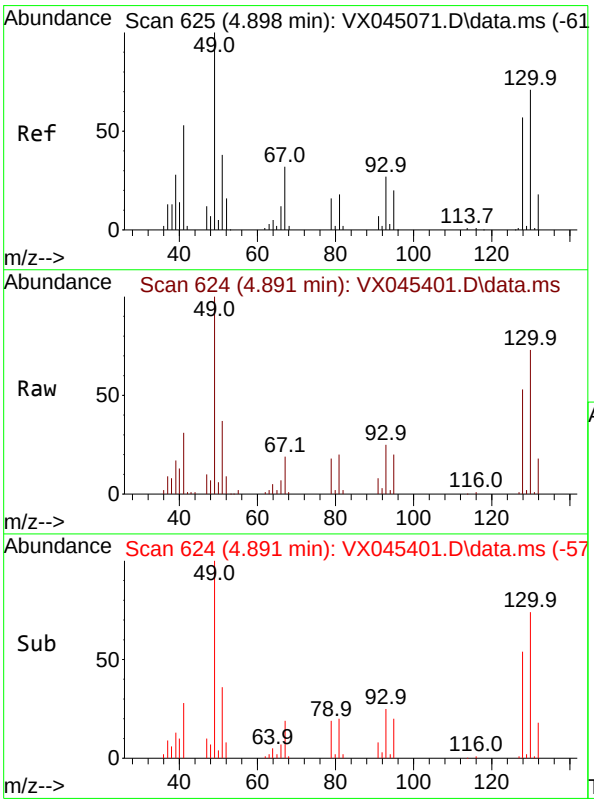
#27
cis-1,2-Dichloroethene
Concen: 54.229 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 60830

Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	283.2
98	64.3	0.0	128.0

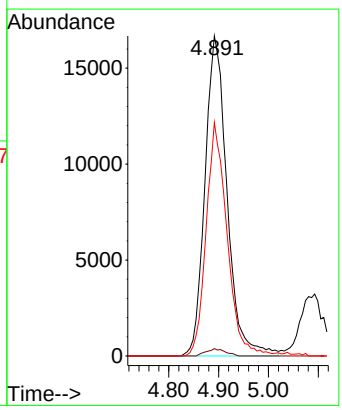


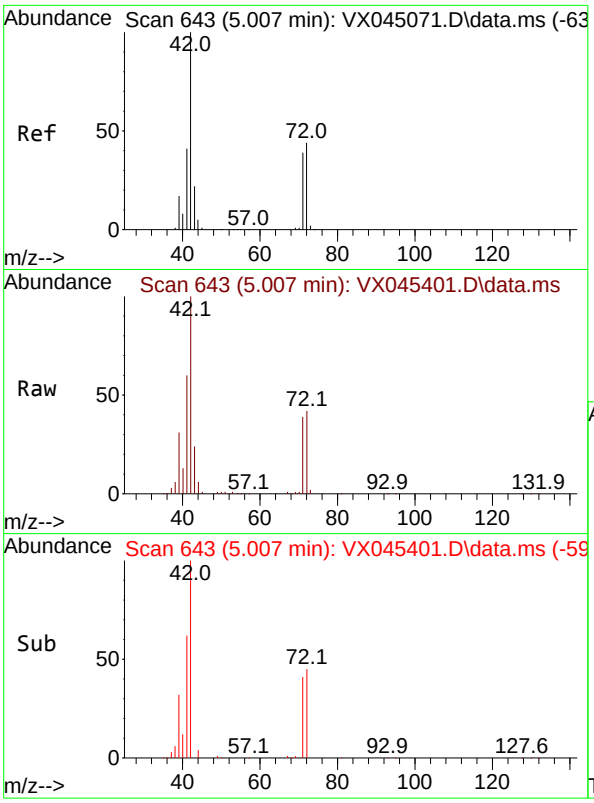


#28
Bromochloromethane
Concen: 57.732 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 49 Resp: 51351

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	69.3	56.1	84.1



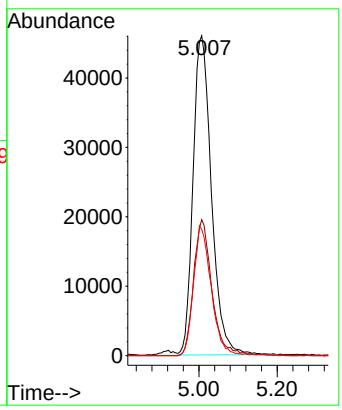


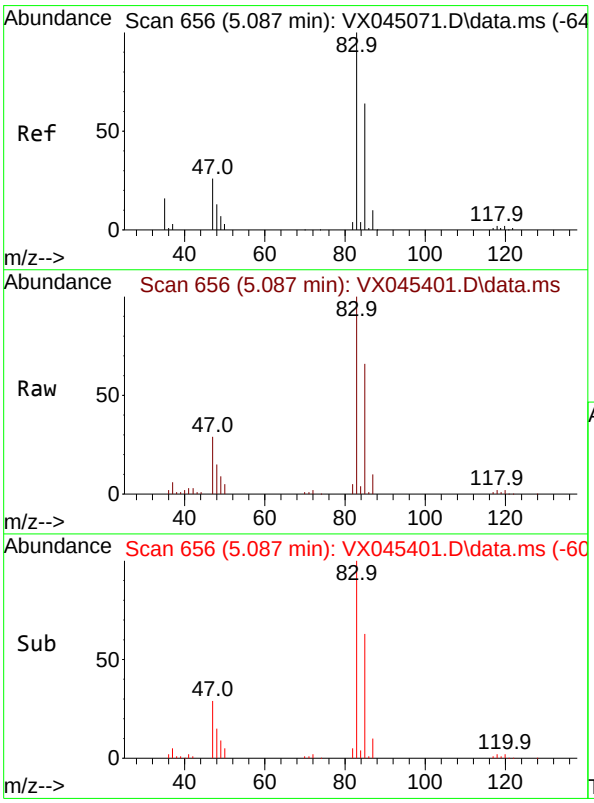
#29
Tetrahydrofuran
Concen: 269.265 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 150362

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.1	31.4	47.0

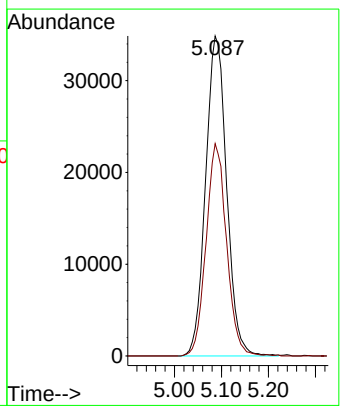


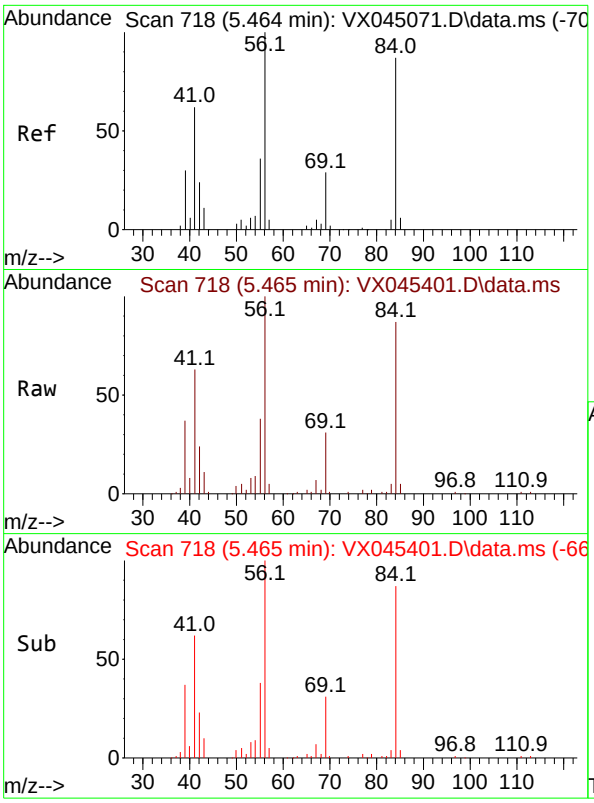


#30
Chloroform
Concen: 58.430 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 83 Resp: 108341

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2



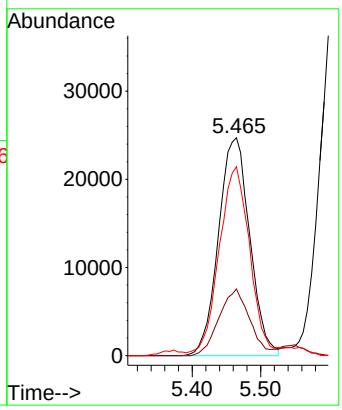


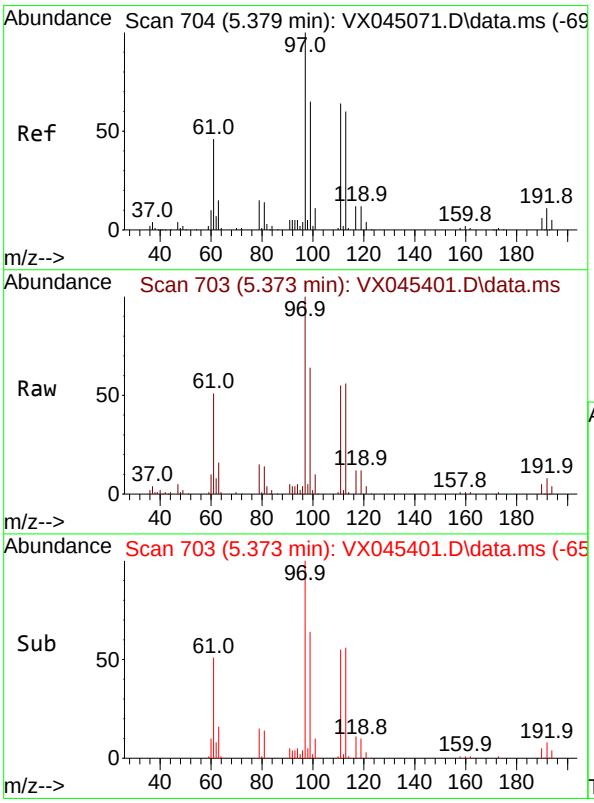
#31
Cyclohexane
Concen: 48.368 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 78351

Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.4	35.2
84	85.0	69.4	104.2

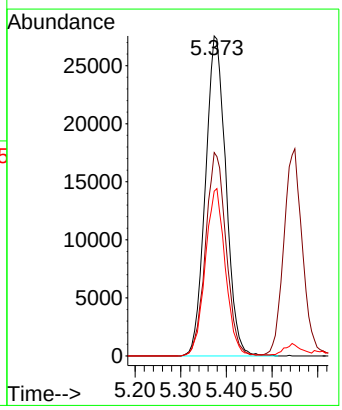


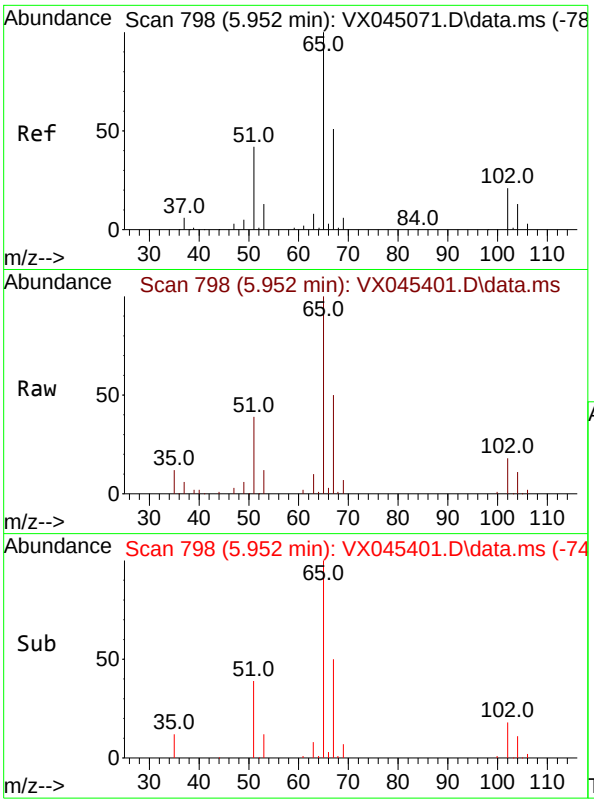


#32
1,1,1-Trichloroethane
Concen: 57.268 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 97 Resp: 85762

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	51.4	38.4	57.6



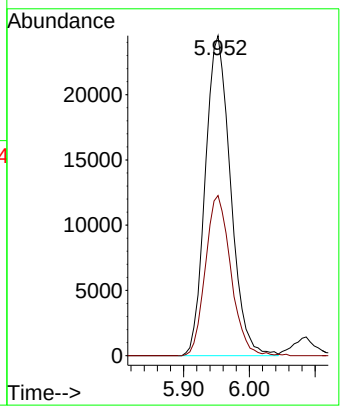


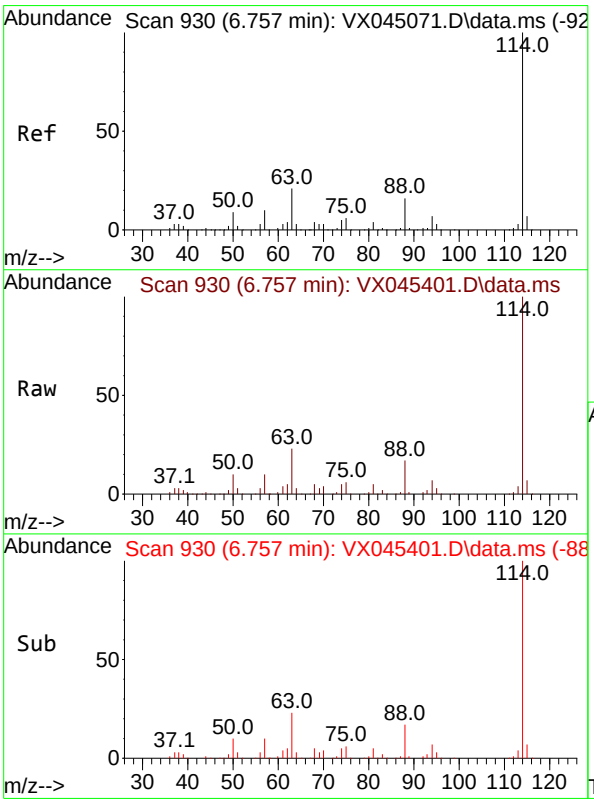
#33
1,2-Dichloroethane-d4
Concen: 54.980 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 65462

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	106.2

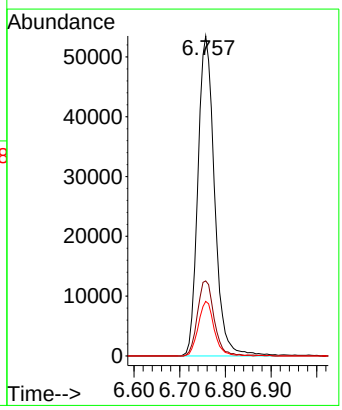


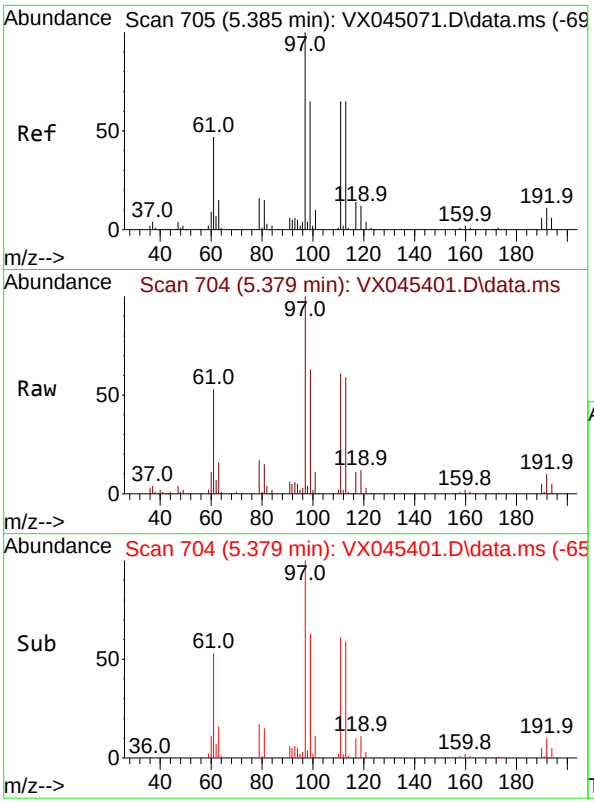


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:114 Resp: 134934

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	17.1	0.0	32.8



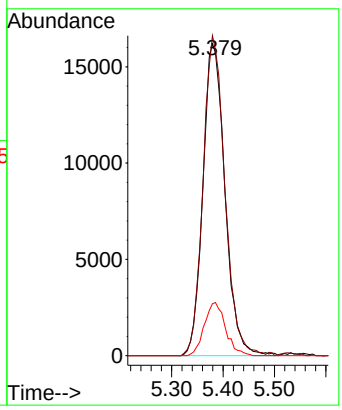


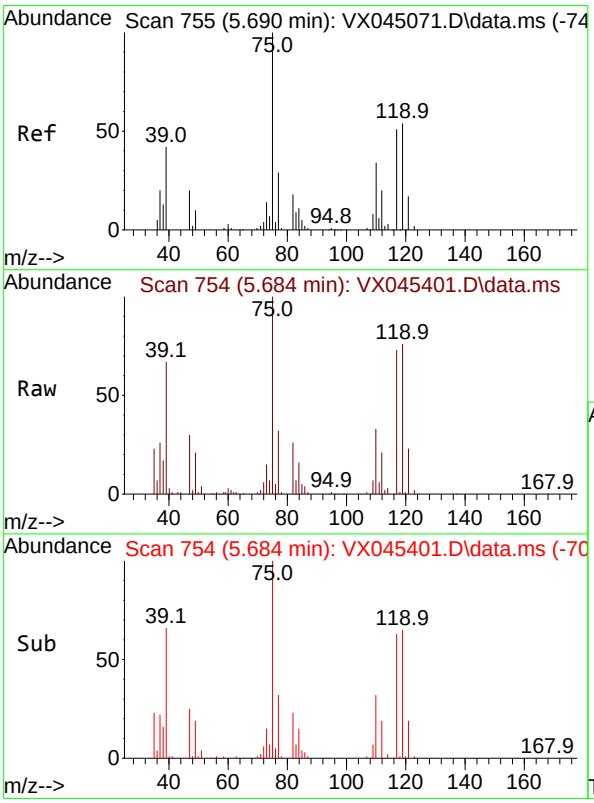
#35
Dibromofluoromethane
Concen: 53.497 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 48269

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.4	14.3	21.5

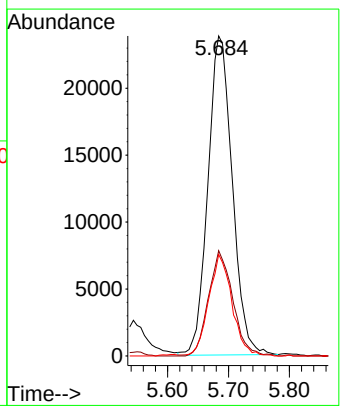


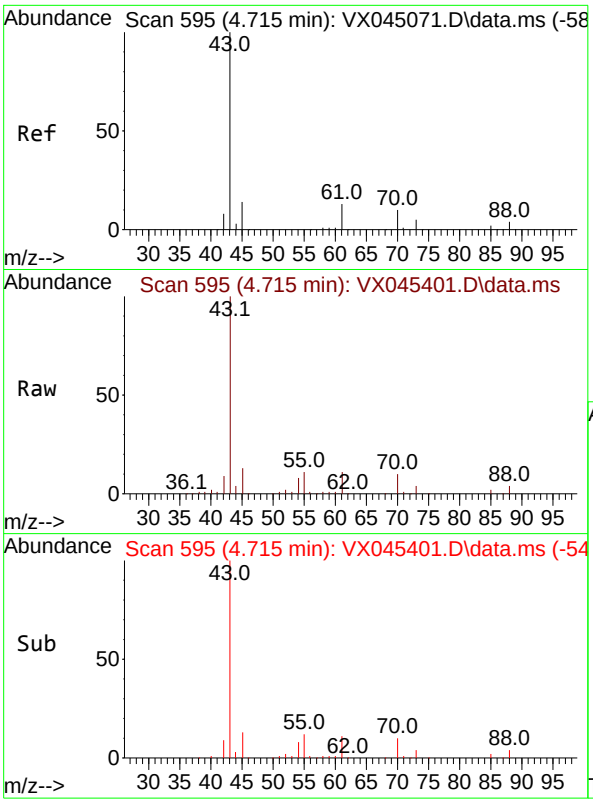


#36
1,1-Dichloropropene
Concen: 53.446 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 66133

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.4	24.5	36.7



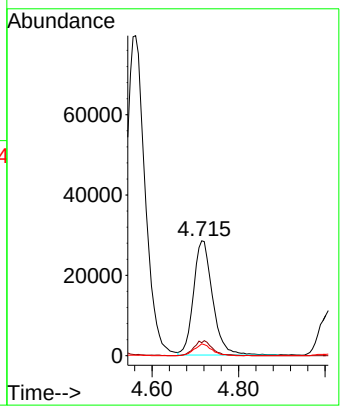


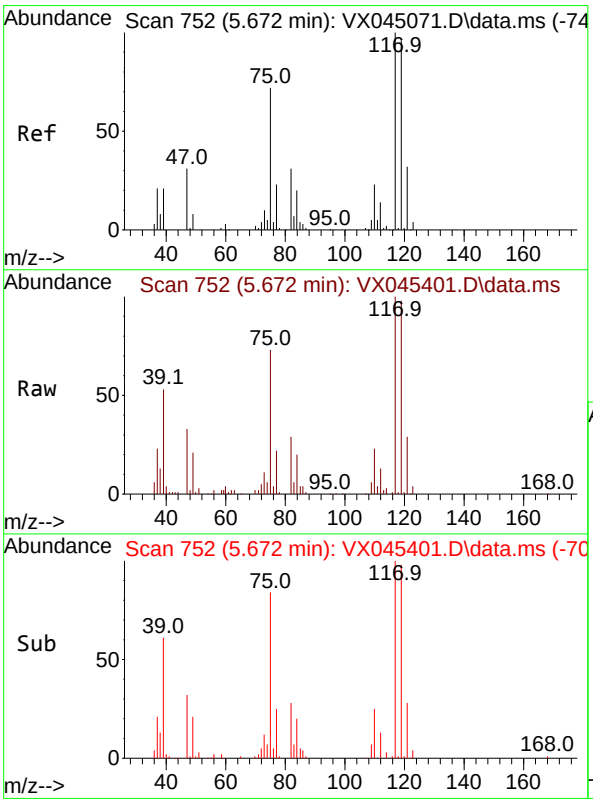
#37
Ethyl Acetate
Concen: 54.690 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 87199

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.4	7.7	11.5

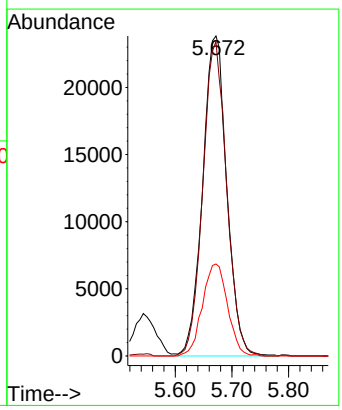


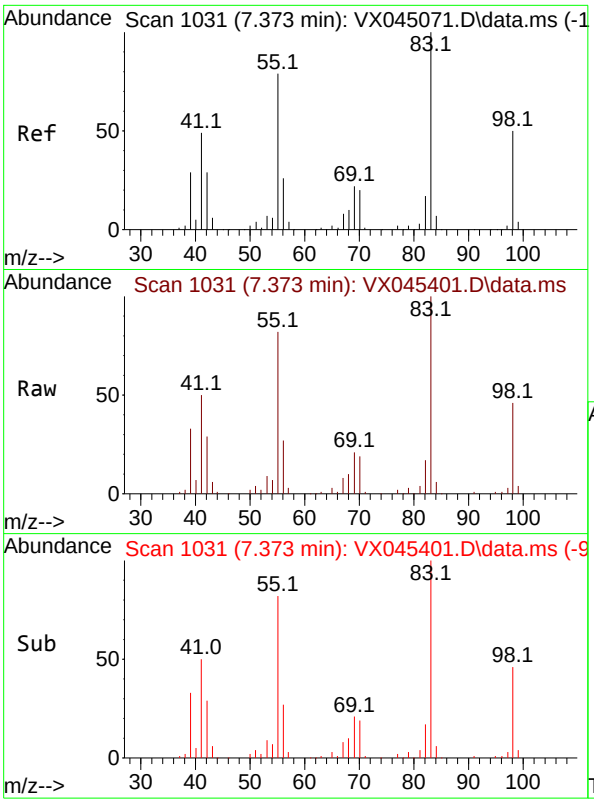


#38
Carbon Tetrachloride
Concen: 56.138 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 70522

Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.7	115.1
121	28.8	25.5	38.3



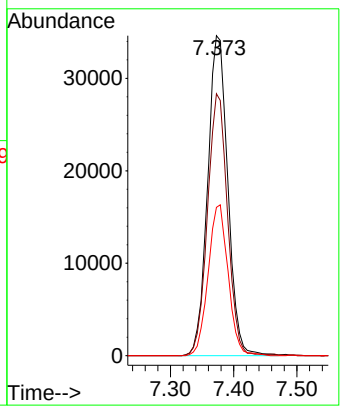


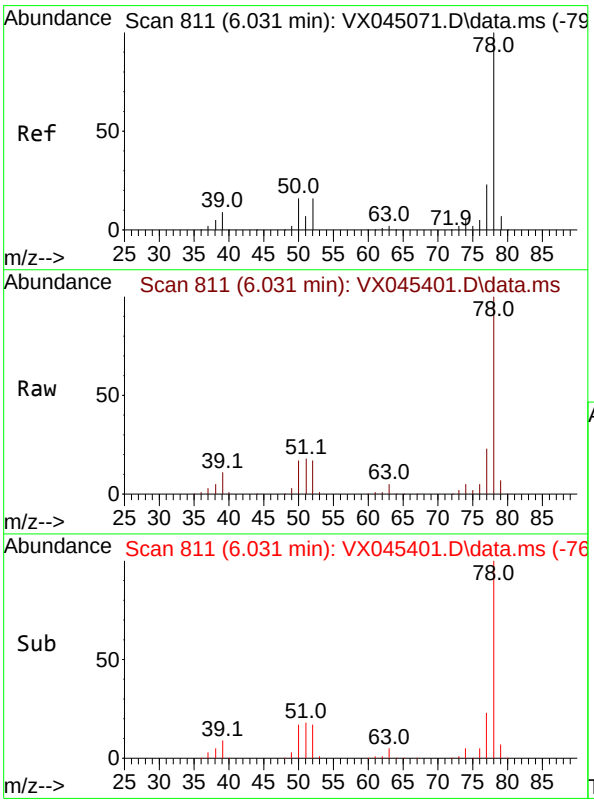
#39
Methylcyclohexane
Concen: 51.725 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 76690

Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.0	94.4
98	46.4	39.7	59.5

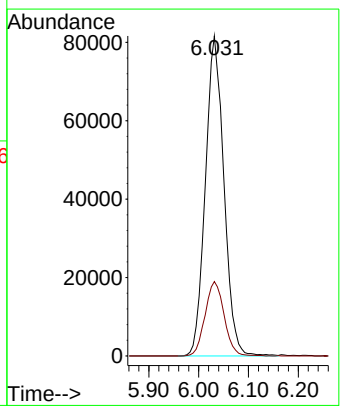


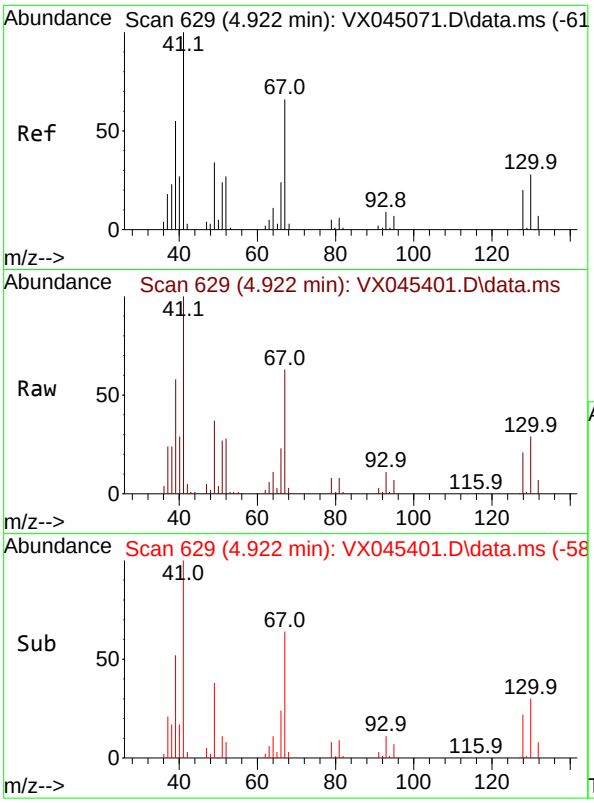


#40
Benzene
Concen: 53.866 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 78 Resp: 210474

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



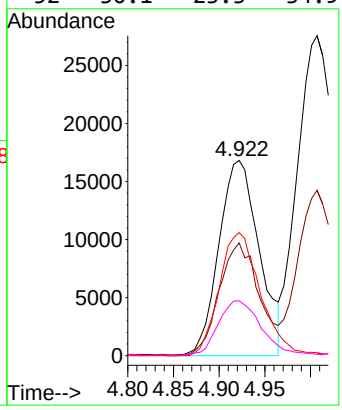


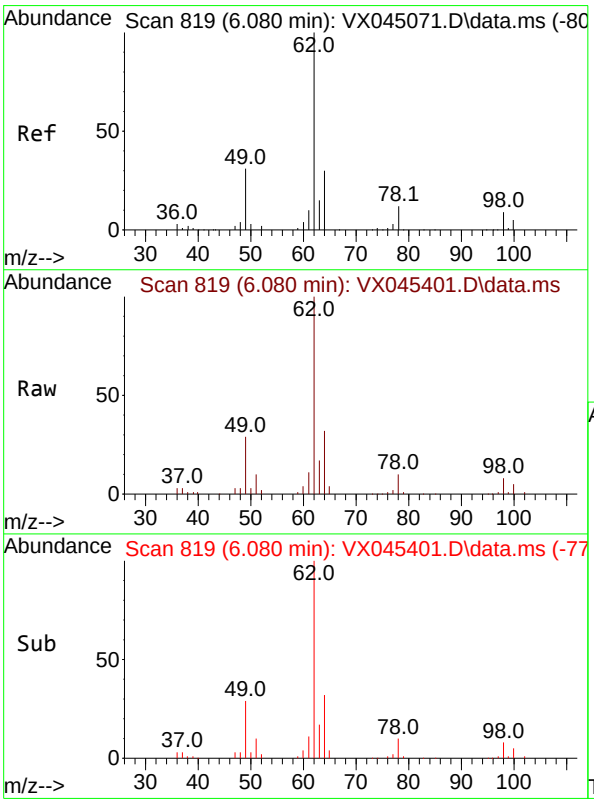
#41
Methacrylonitrile
Concen: 59.981 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 51712

Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.6	67.0
67	64.4	53.9	80.9
52	30.1	23.3	34.9

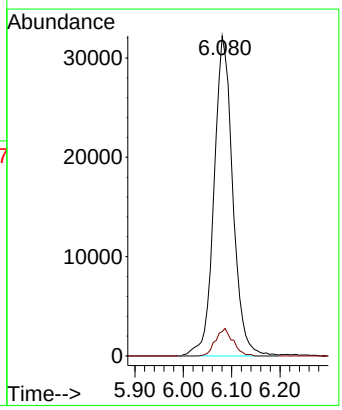


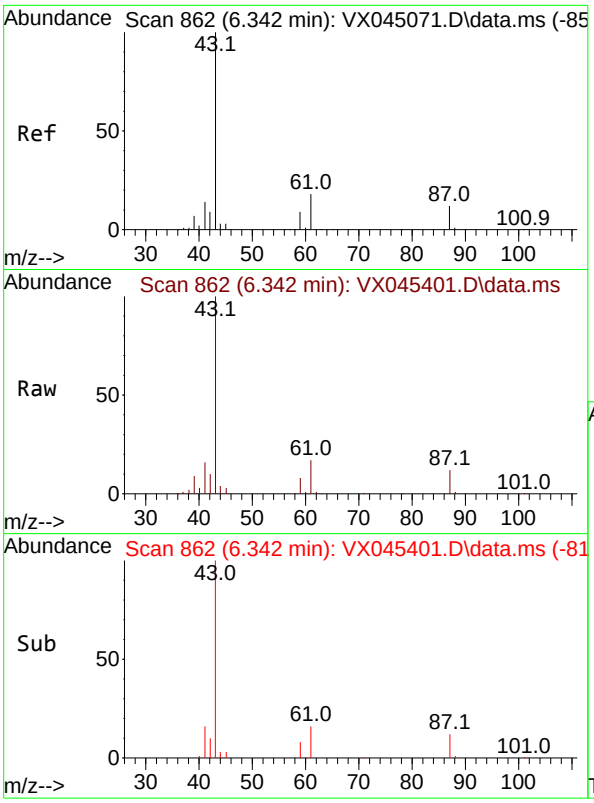


#42
1,2-Dichloroethane
Concen: 61.661 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 62 Resp: 86759

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.2



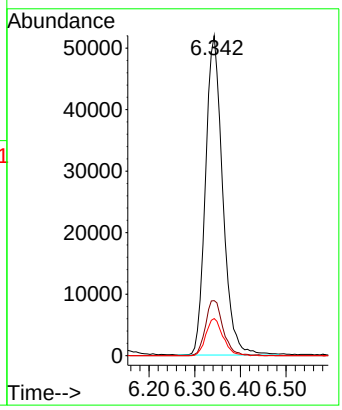


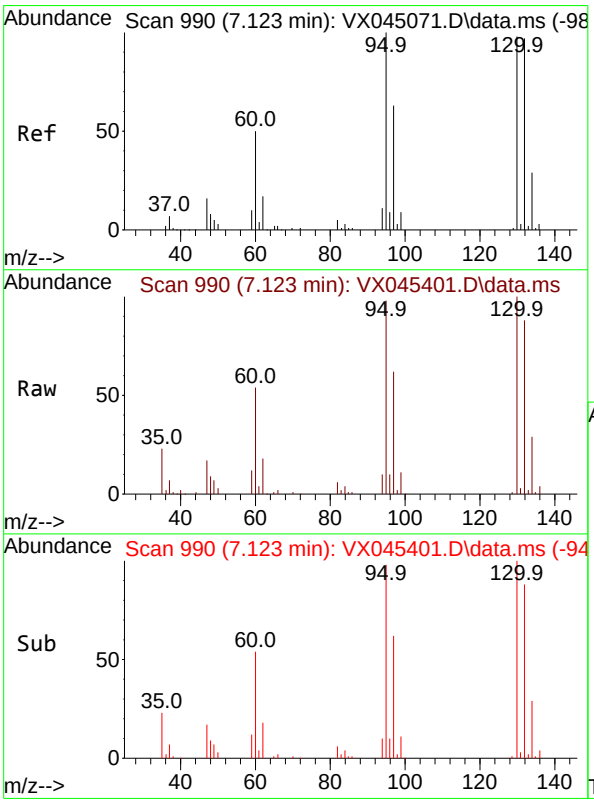
#43
Isopropyl Acetate
Concen: 57.582 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 135762

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.9	22.3
87	11.5	9.4	14.2

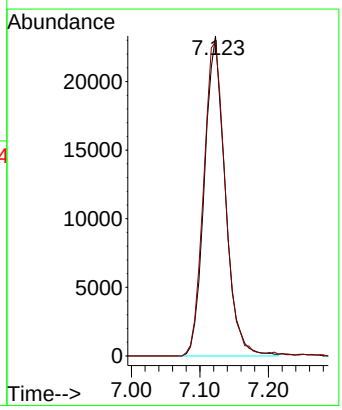


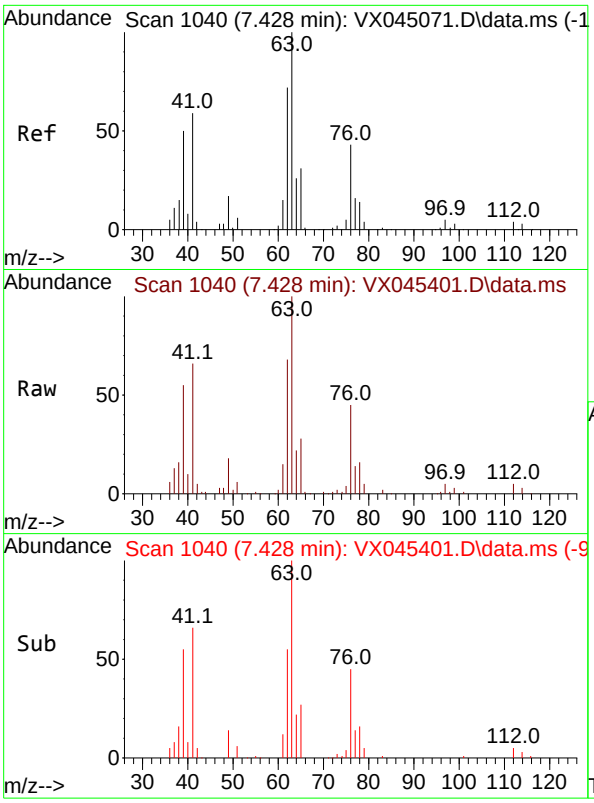


#44
Trichloroethene
Concen: 53.459 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:130 Resp: 49047

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	205.0



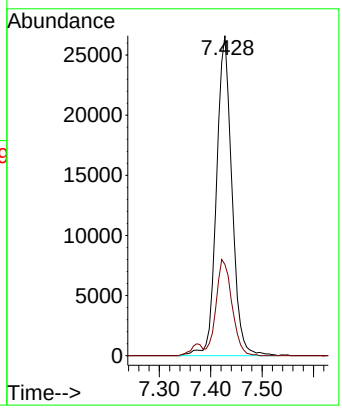


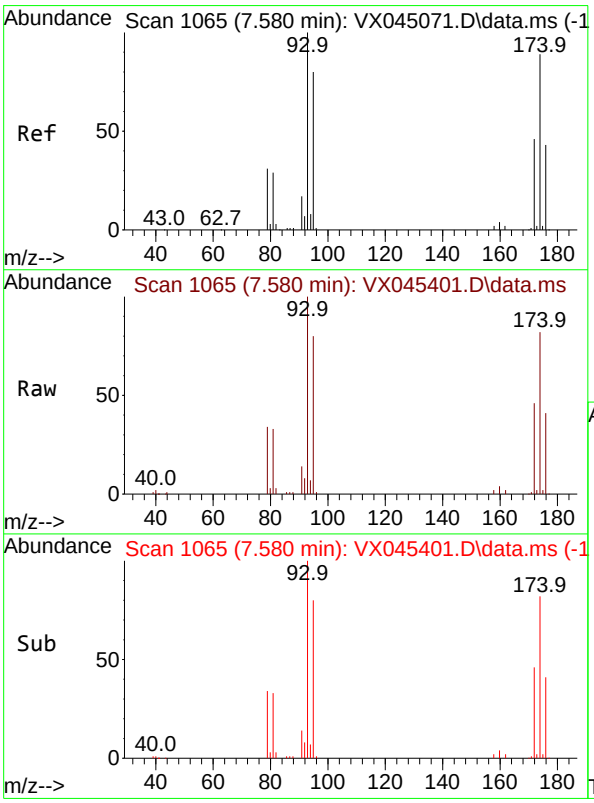
#45
1,2-Dichloropropane
Concen: 55.246 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55501

Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.7	37.1

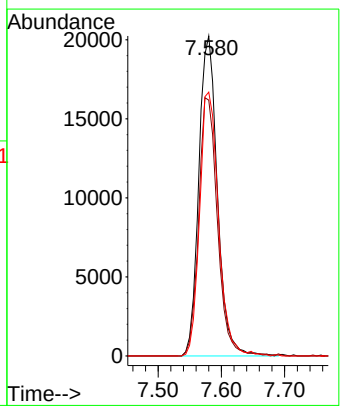


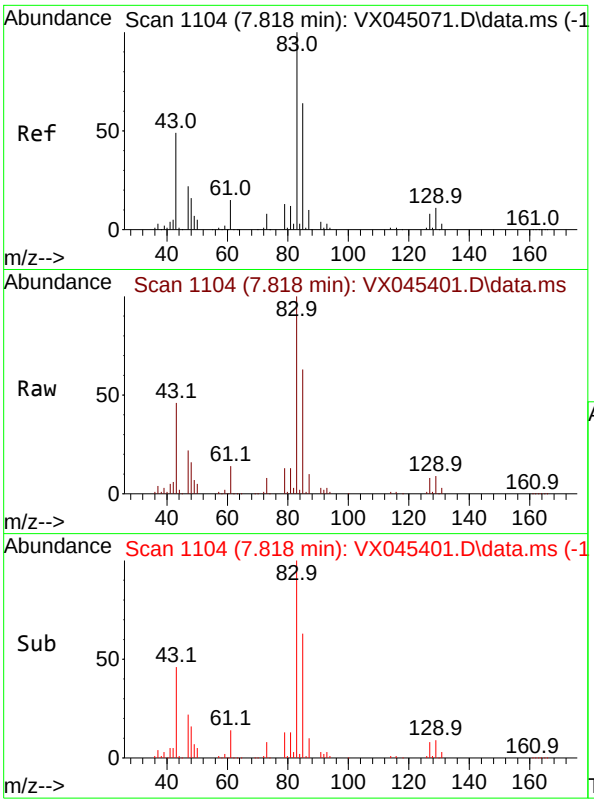


#46
Dibromomethane
Concen: 58.374 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 93 Resp: 41450

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.8
174	83.9	72.2	108.2



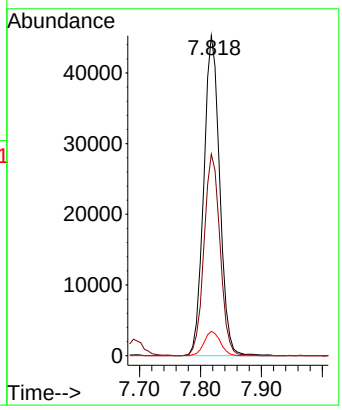


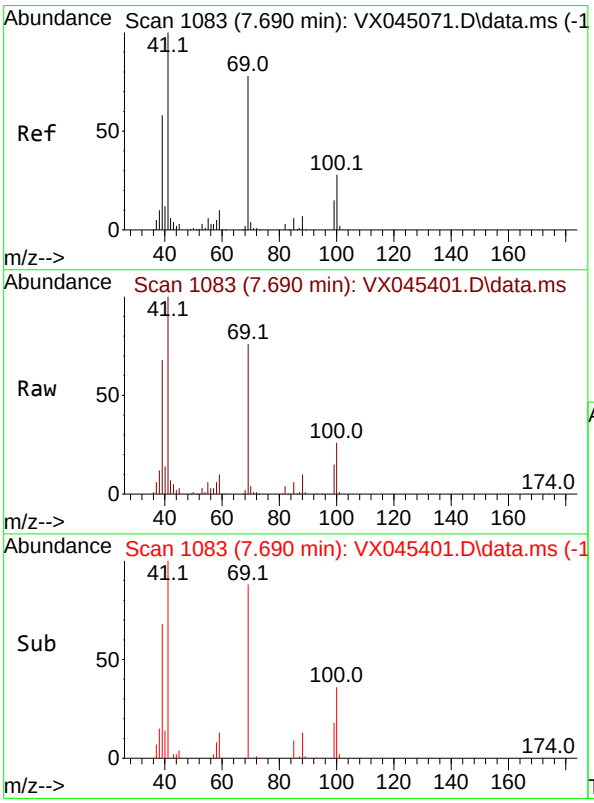
#47
Bromodichloromethane
Concen: 59.068 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 82269

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.6	6.4	9.6

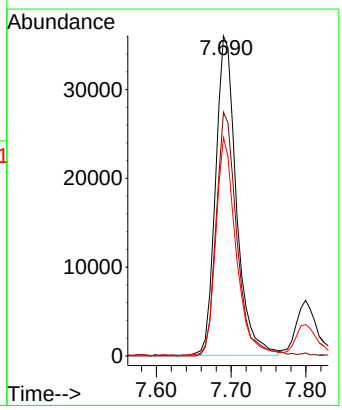


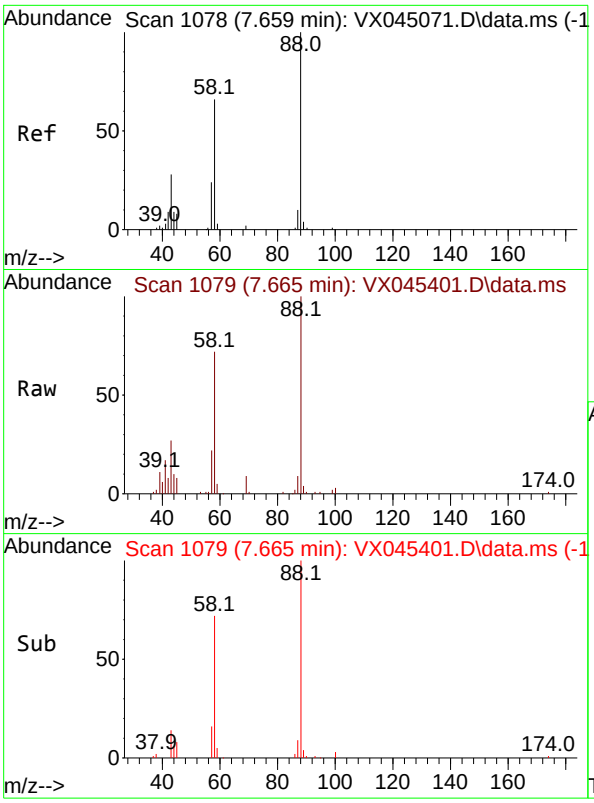


#48
Methyl methacrylate
Concen: 58.949 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 41 Resp: 69727

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	67.2	47.5	71.3



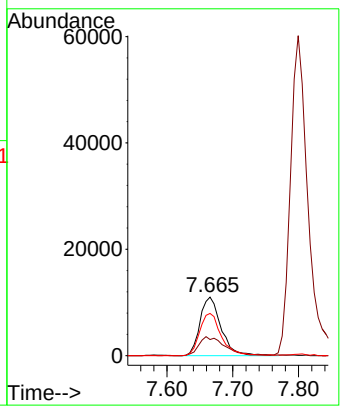


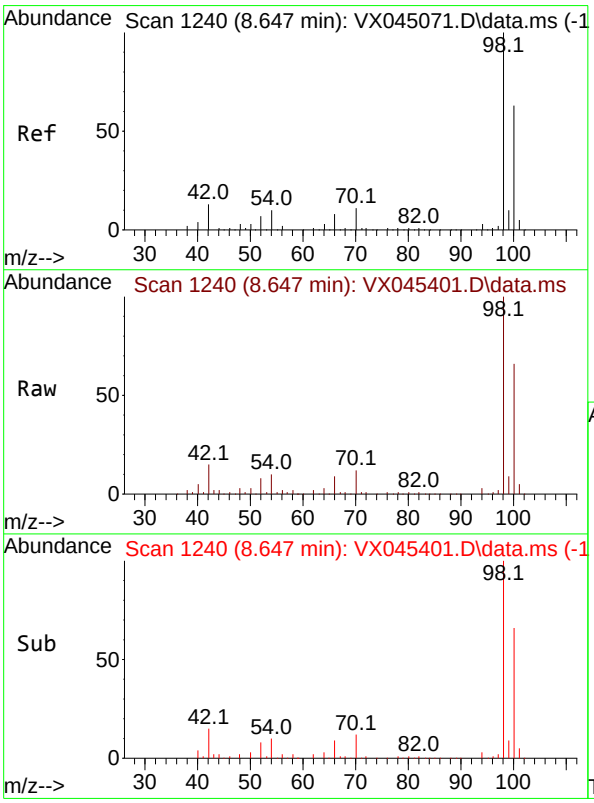
#49
1,4-Dioxane
Concen: 985.741 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24595

Ion	Ratio	Lower	Upper
88	100		
43	39.6	28.7	43.1
58	73.7	55.8	83.8

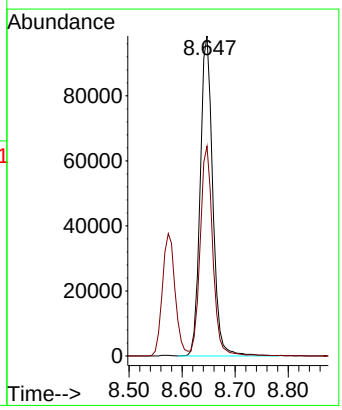


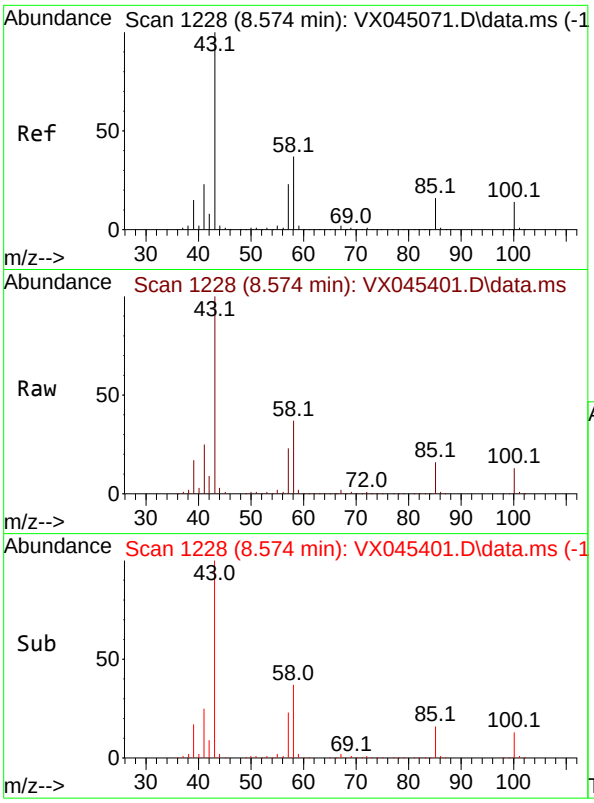


#50
Toluene-d8
Concen: 49.417 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 98 Resp: 161646

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



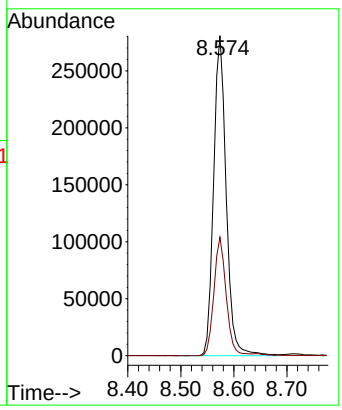


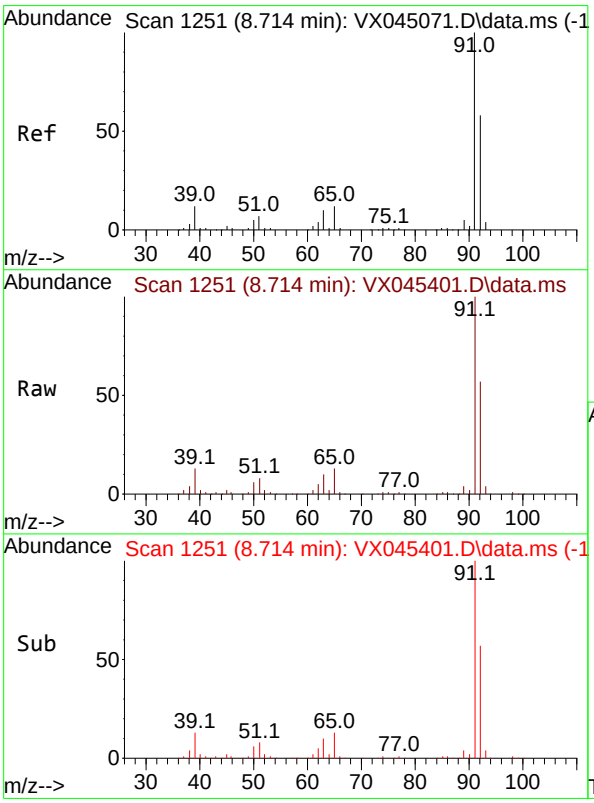
#51
4-Methyl-2-Pentanone
Concen: 292.590 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 463190

Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8

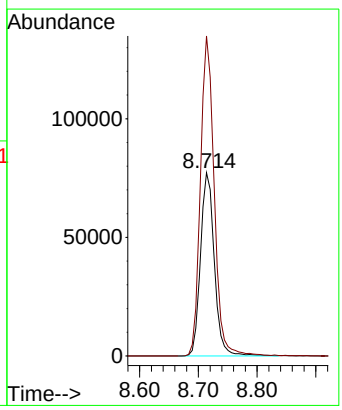


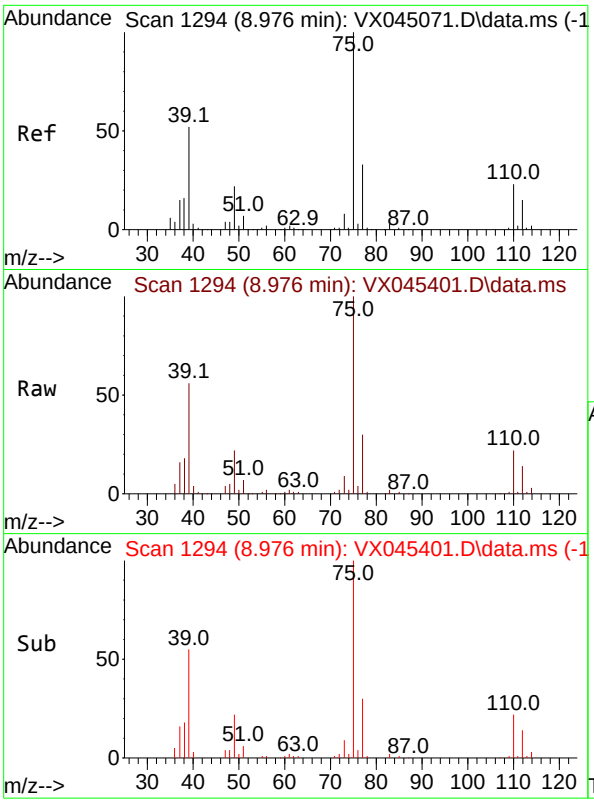


#52
Toluene
Concen: 55.048 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 92 Resp: 126198

Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.9	208.3



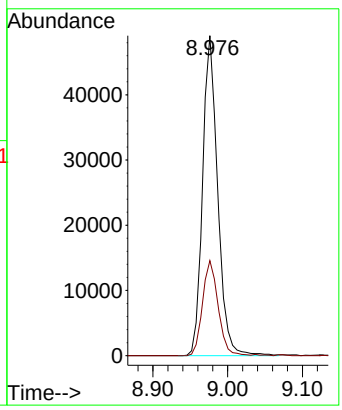


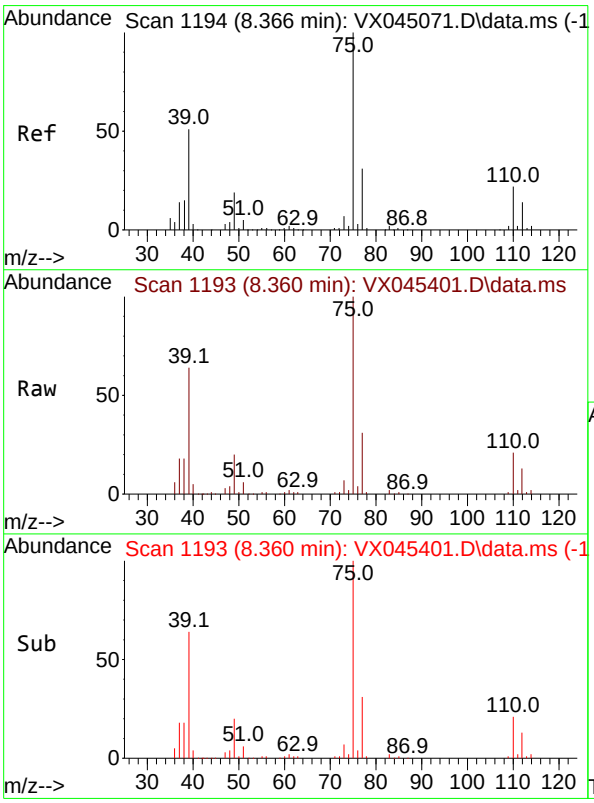
#53
t-1,3-Dichloropropene
Concen: 59.170 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 68896

Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7

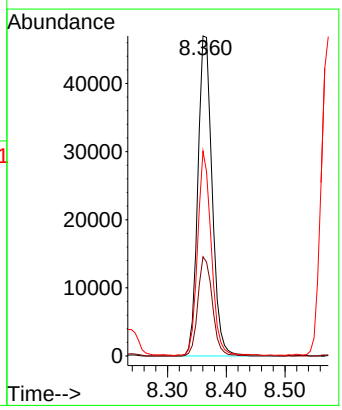


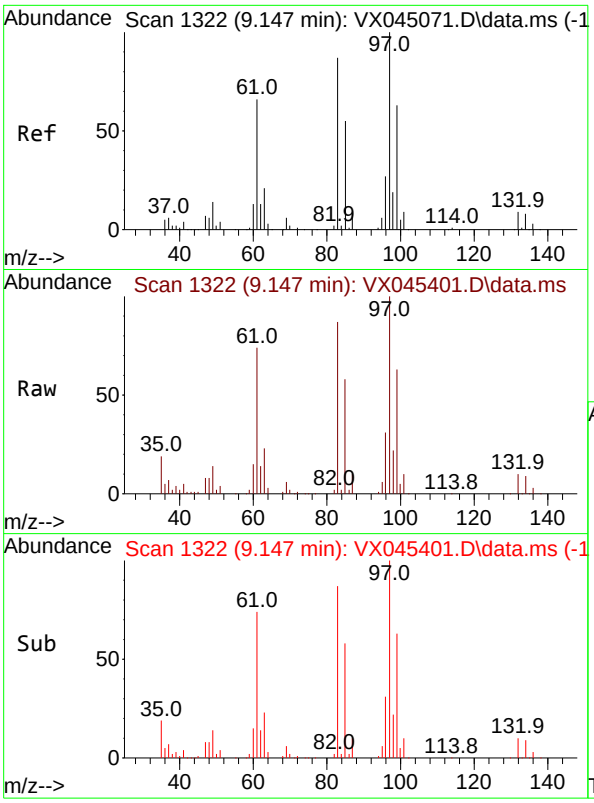


#54
cis-1,3-Dichloropropene
Concen: 58.304 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 79164

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	63.8	40.7	61.1#



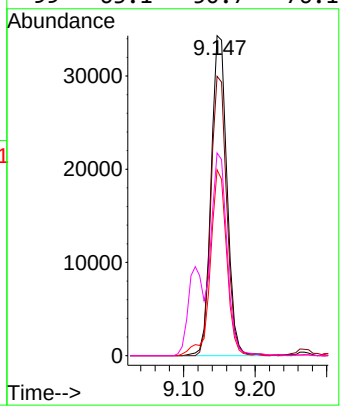


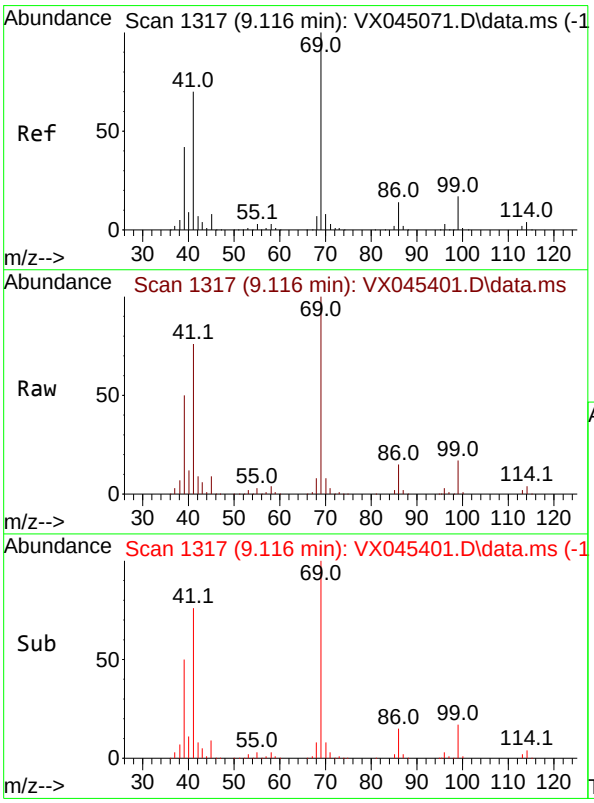
#55
1,1,2-Trichloroethane
Concen: 56.131 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 52975

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.4	104.2
85	58.1	44.1	66.1
99	63.1	50.7	76.1

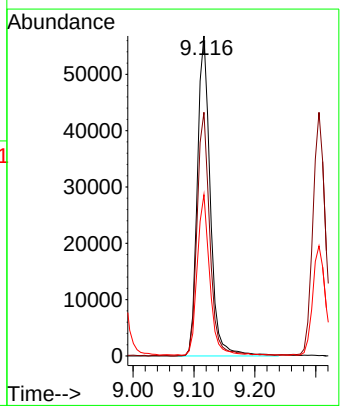


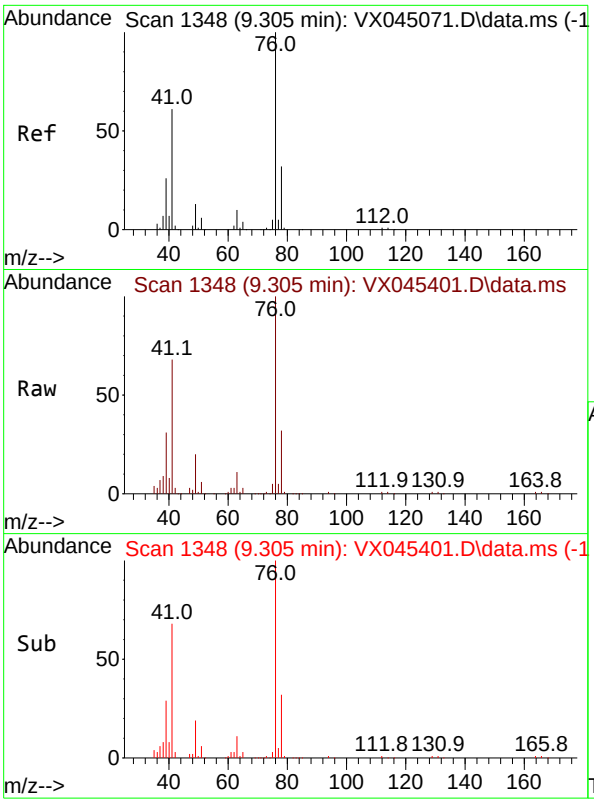


#56
Ethyl methacrylate
Concen: 58.321 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 69 Resp: 83667

Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.0	85.4
39	48.9	34.2	51.4



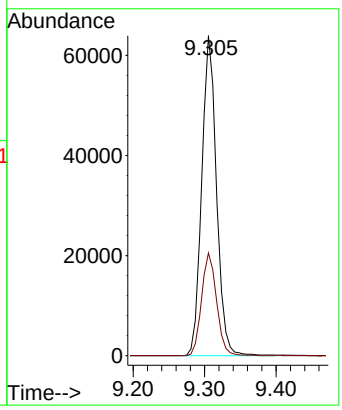


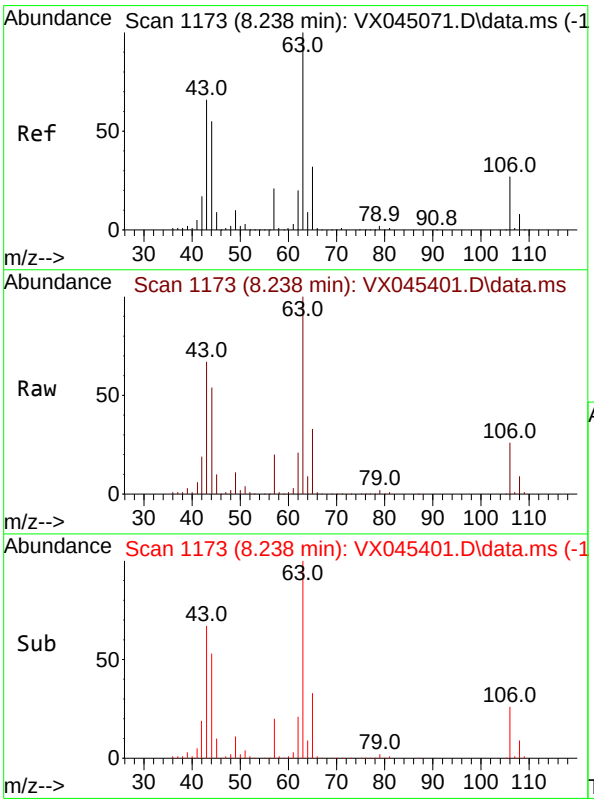
#57
1,3-Dichloropropane
Concen: 56.184 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 91764

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

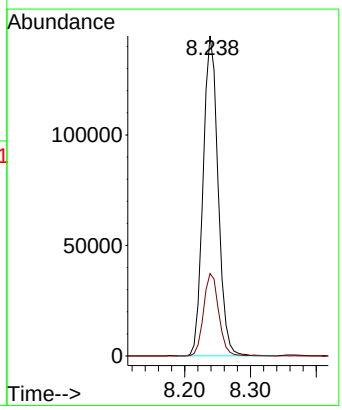


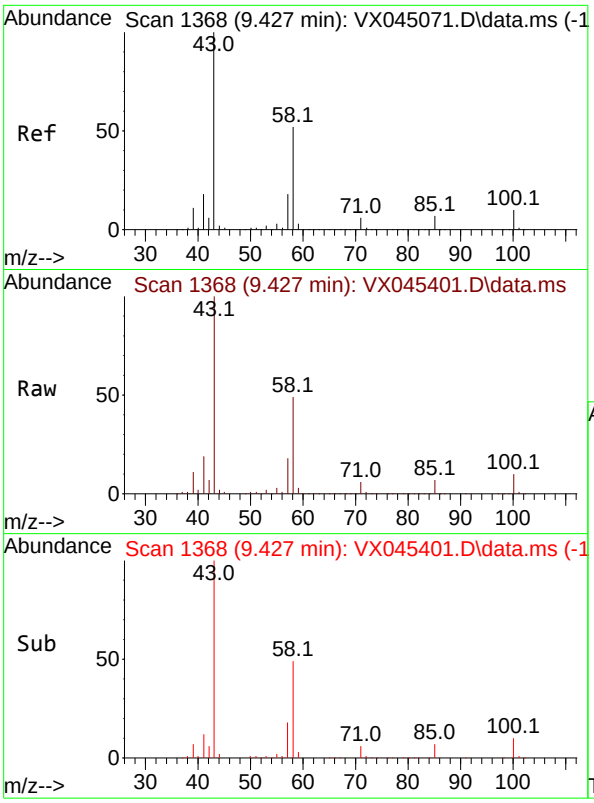


#58
2-Chloroethyl Vinyl ether
Concen: 327.394 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 63 Resp: 229112

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



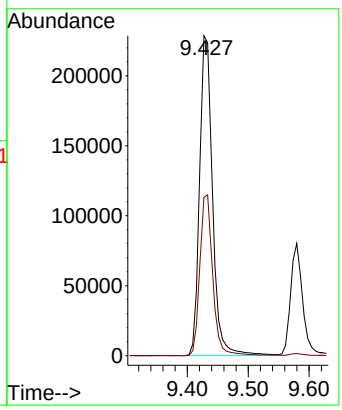


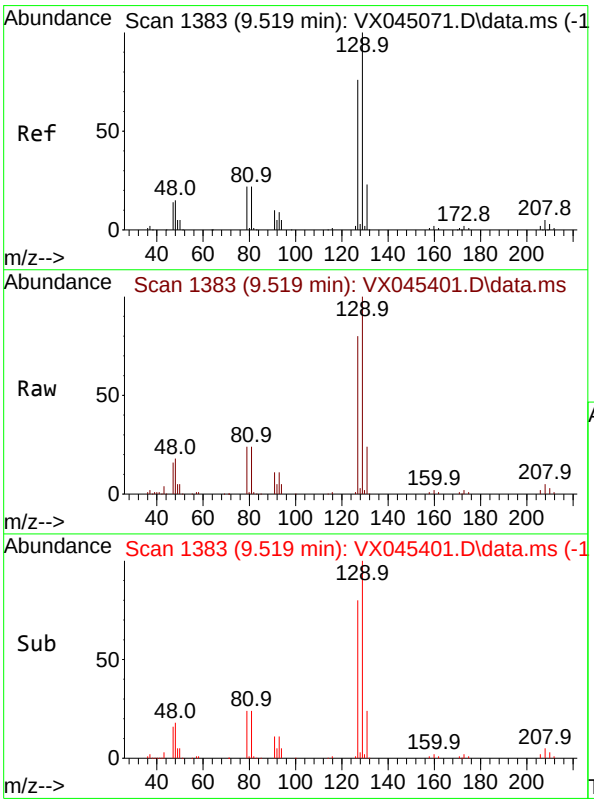
#59
2-Hexanone
Concen: 294.834 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 338175

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.6

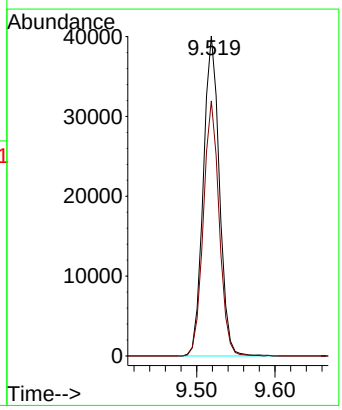


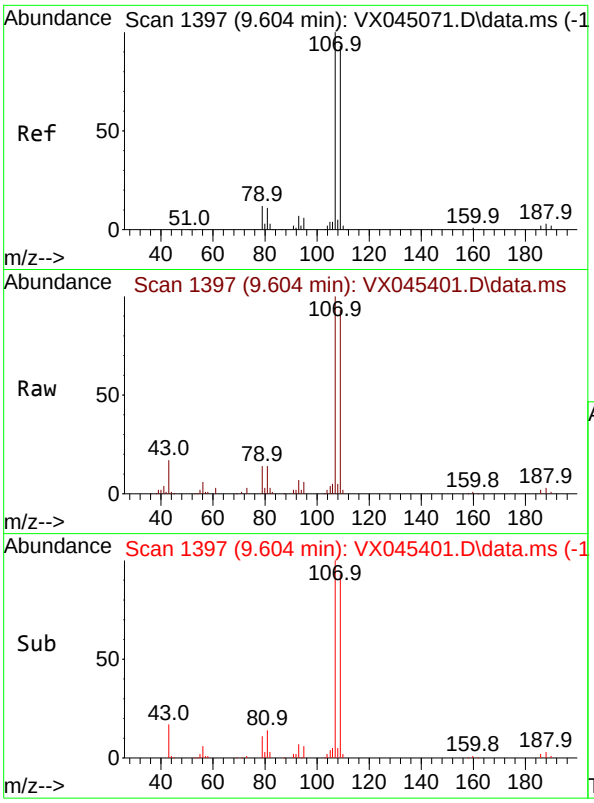


#60
Dibromochloromethane
Concen: 57.765 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:129 Resp: 57002

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5



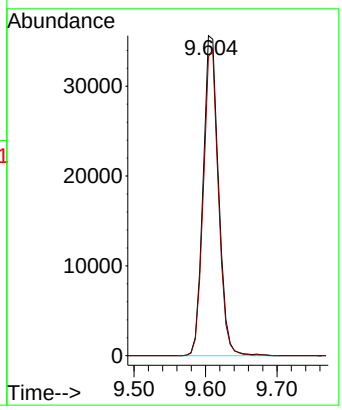


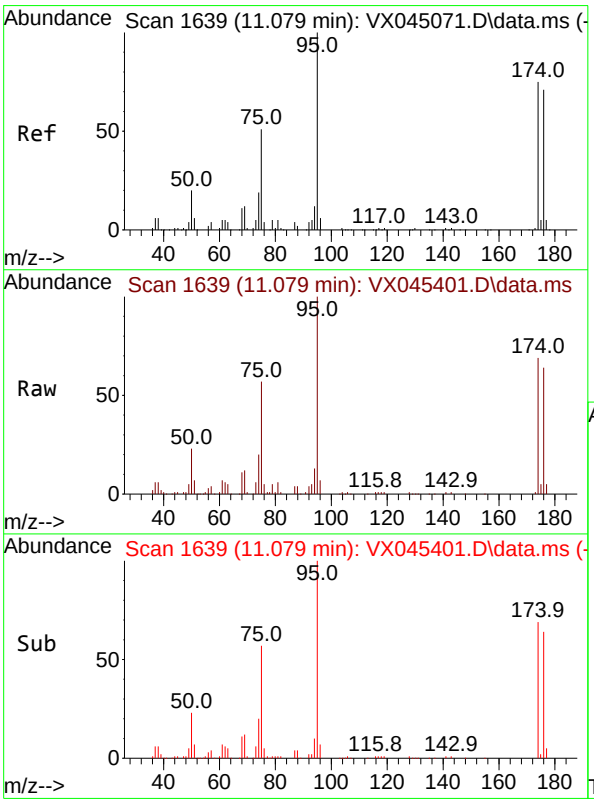
#61
1,2-Dibromoethane
Concen: 56.890 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 53600

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

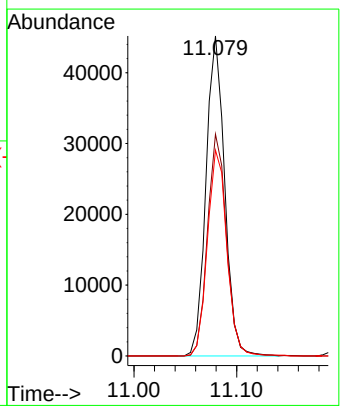


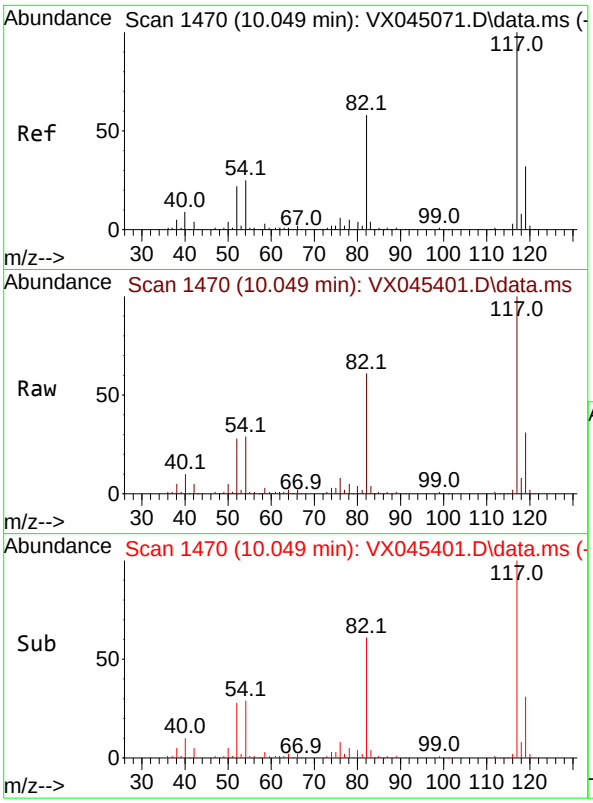


#62
4-Bromofluorobenzene
Concen: 52.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 95 Resp: 56960

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	148.2
176	66.9	0.0	141.4



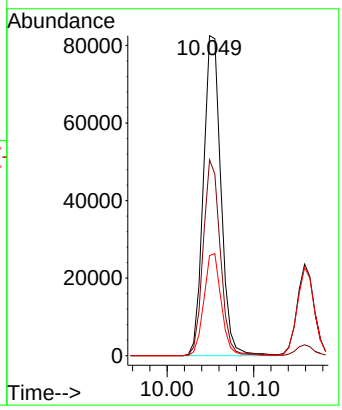


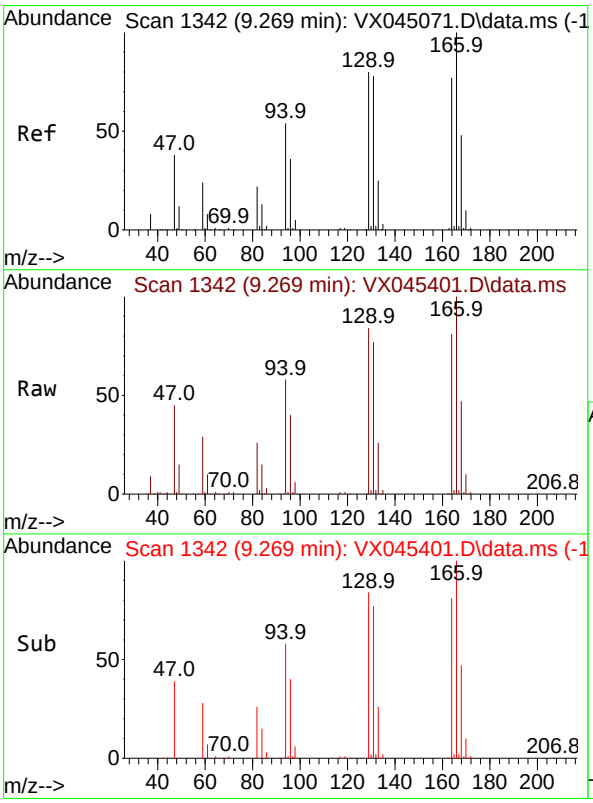
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 115975

Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.3	69.5
119	31.3	25.7	38.5

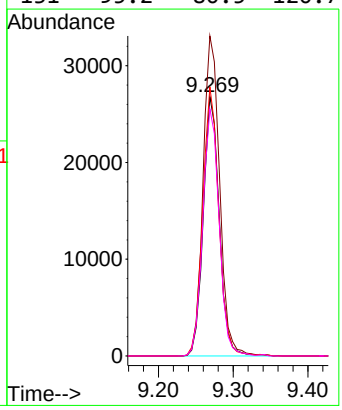


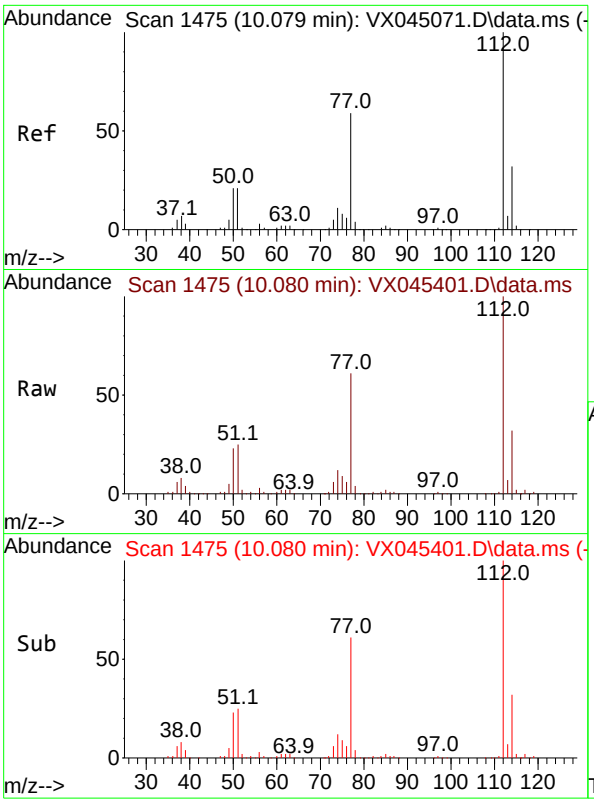


#64
Tetrachloroethene
Concen: 53.474 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:164 Resp: 39719

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.6	155.4
129	103.8	82.7	124.1
131	95.2	80.5	120.7



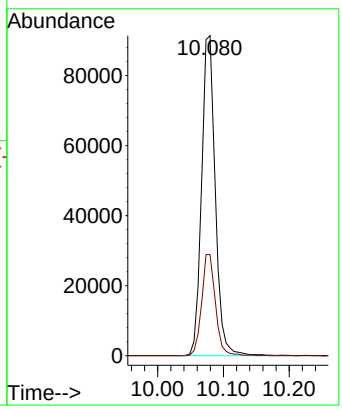


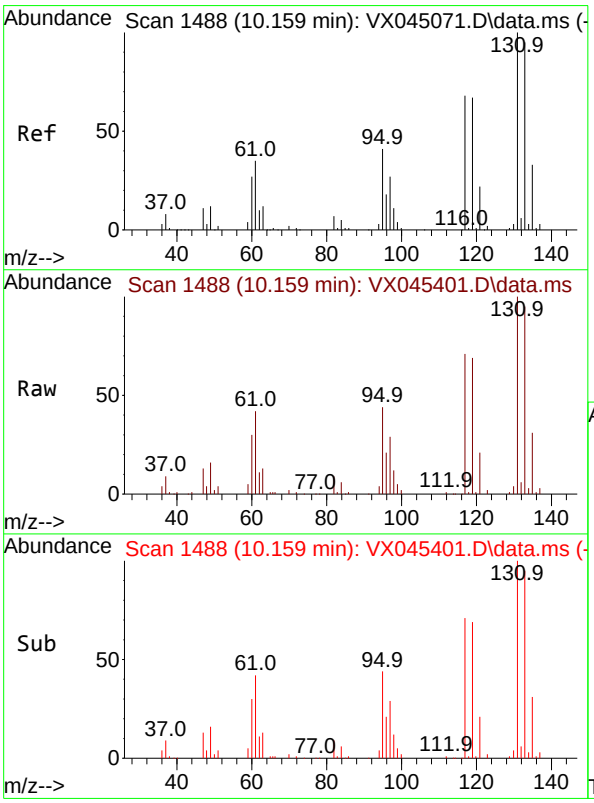
#65
Chlorobenzene
Concen: 53.968 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 132438

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0

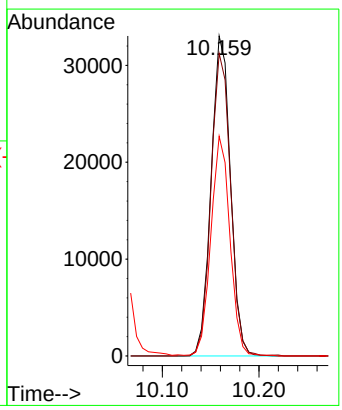


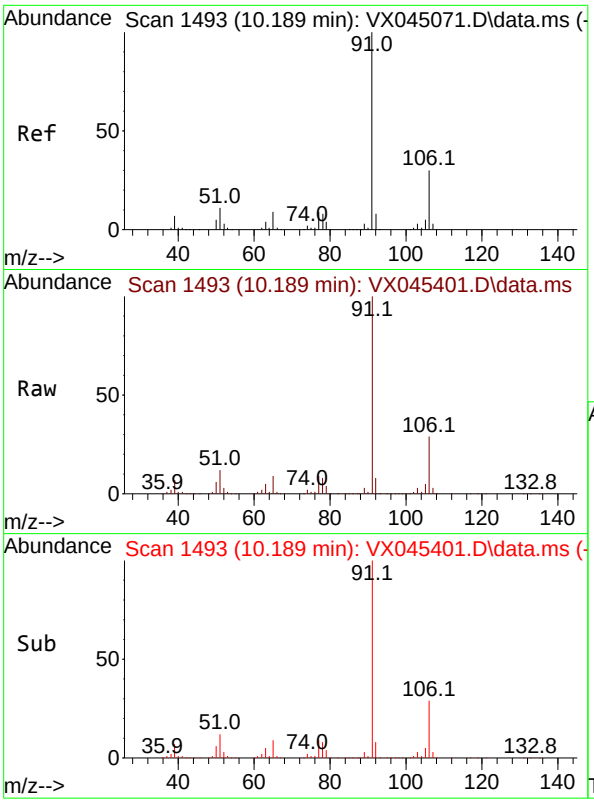


#66
1,1,1,2-Tetrachloroethane
Concen: 56.016 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:131 Resp: 45778

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	67.9	33.9	101.7



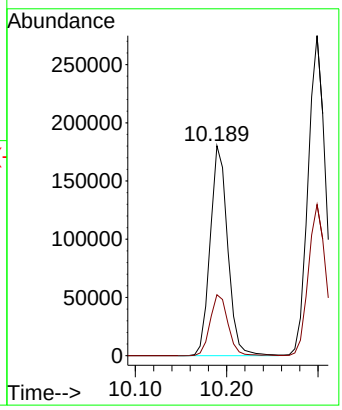


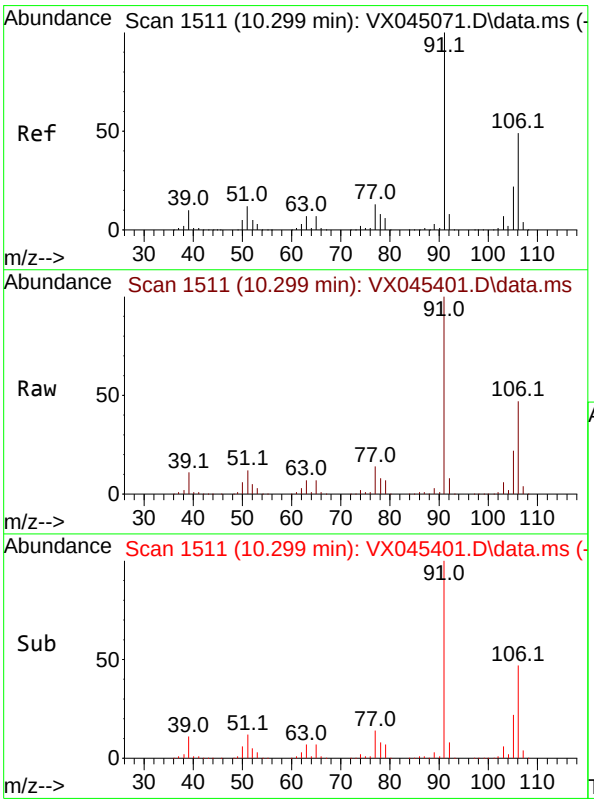
#67
Ethyl Benzene
Concen: 56.012 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 239507

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

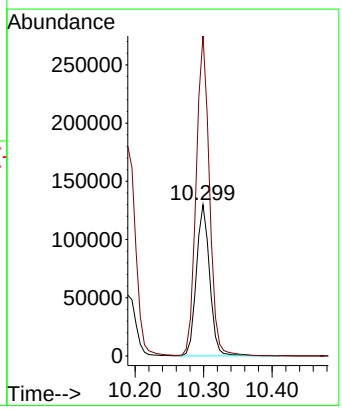


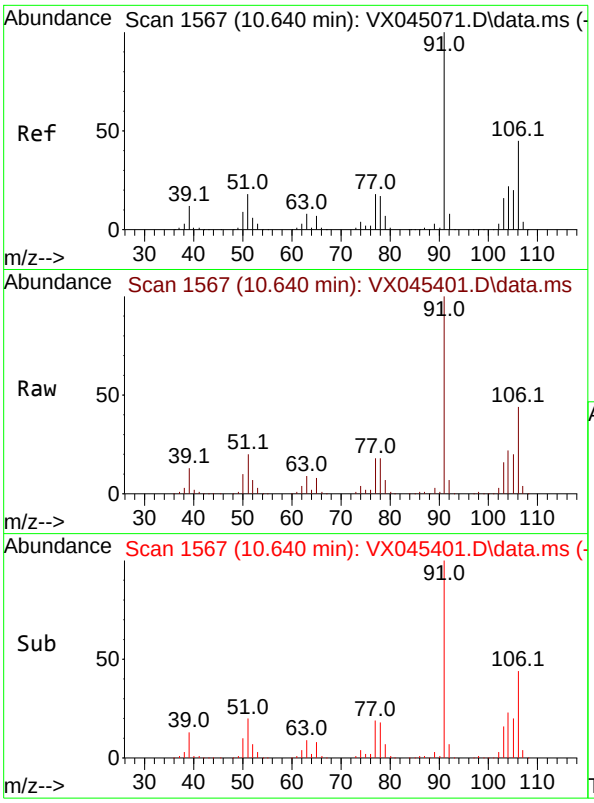


#68
m/p-Xylenes
Concen: 111.853 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:106 Resp: 175085

Ion	Ratio	Lower	Upper
106	100		
91	212.3	165.4	248.0



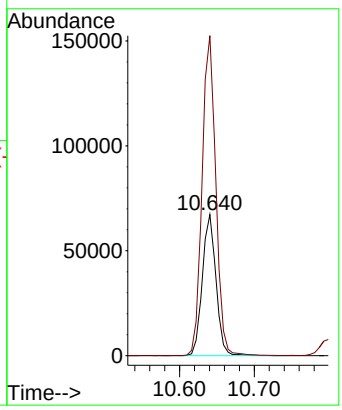


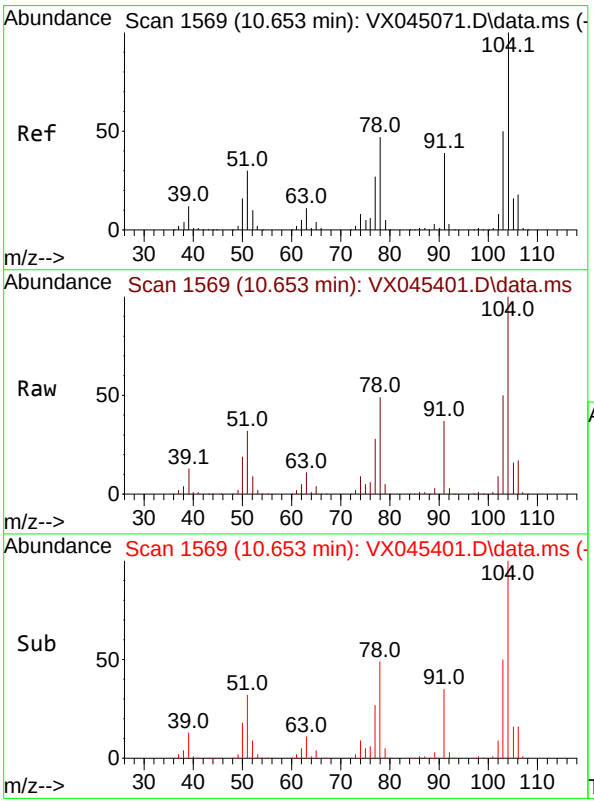
#69
o-Xylene
Concen: 54.016 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 85276

Ion	Ratio	Lower	Upper
106	100		
91	228.7	109.9	329.6

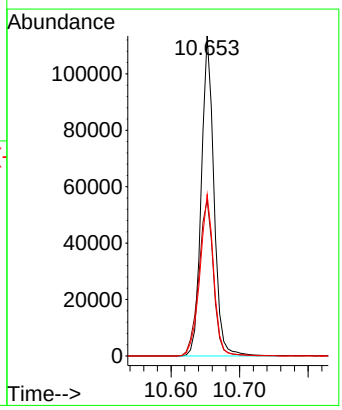


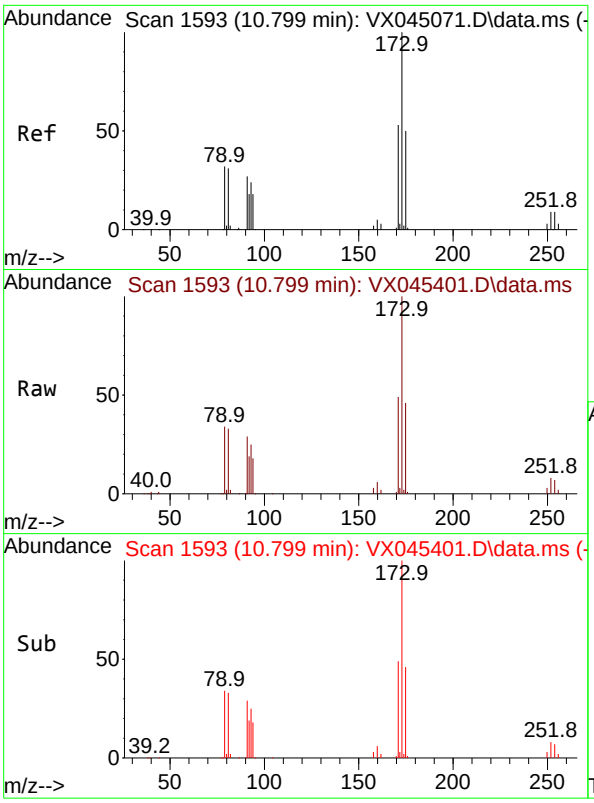


#70
Styrene
Concen: 57.041 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:104 Resp: 145711

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.4
103	55.2	43.8	65.8



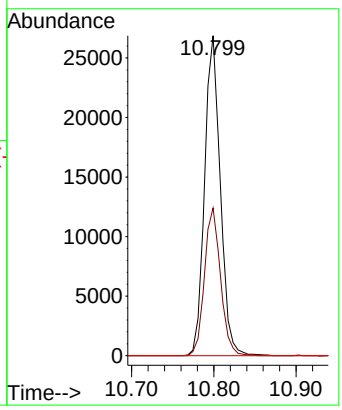


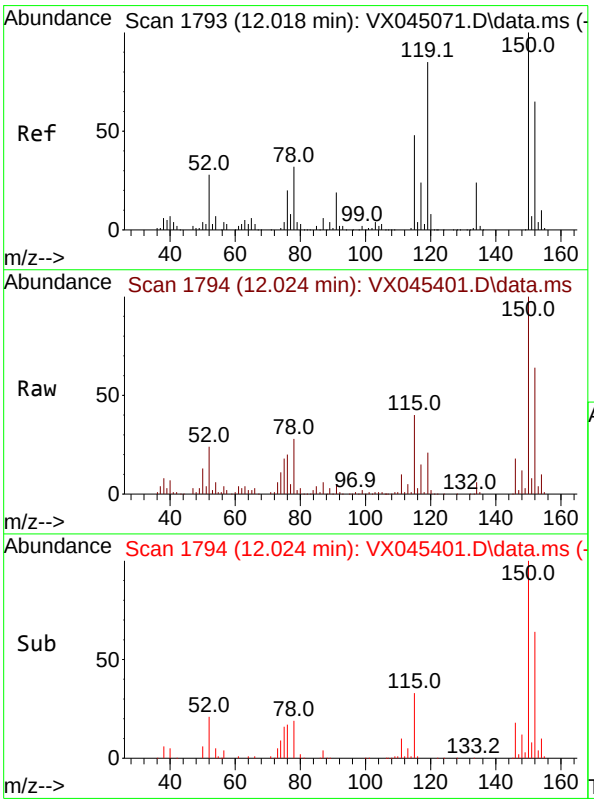
#71
Bromoform
Concen: 57.963 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 35721

Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.6
254	0.0	0.0	0.0

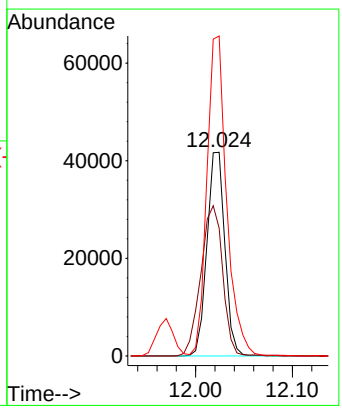


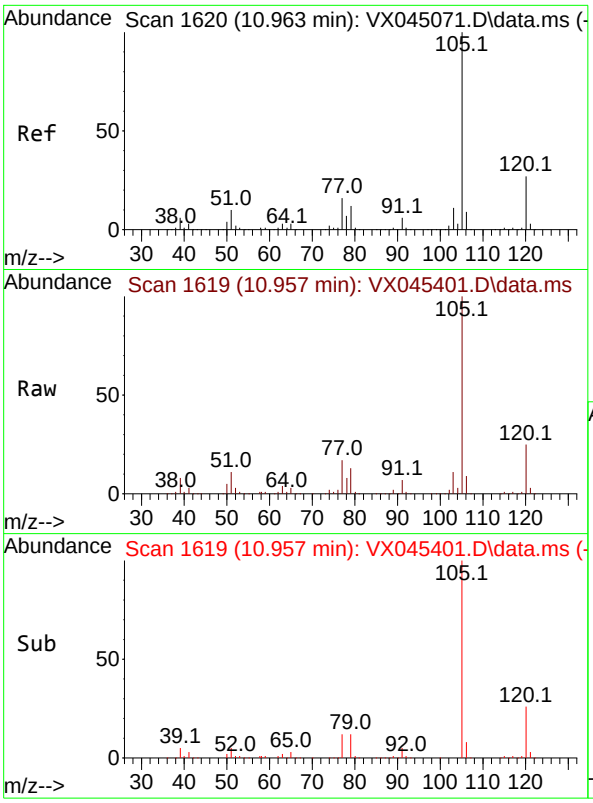


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:152 Resp: 53641

Ion	Ratio	Lower	Upper
152	100		
115	90.2	44.2	132.6
150	173.0	0.0	349.0



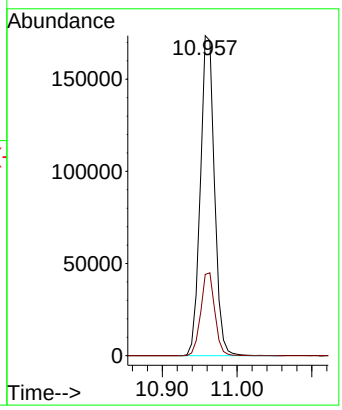


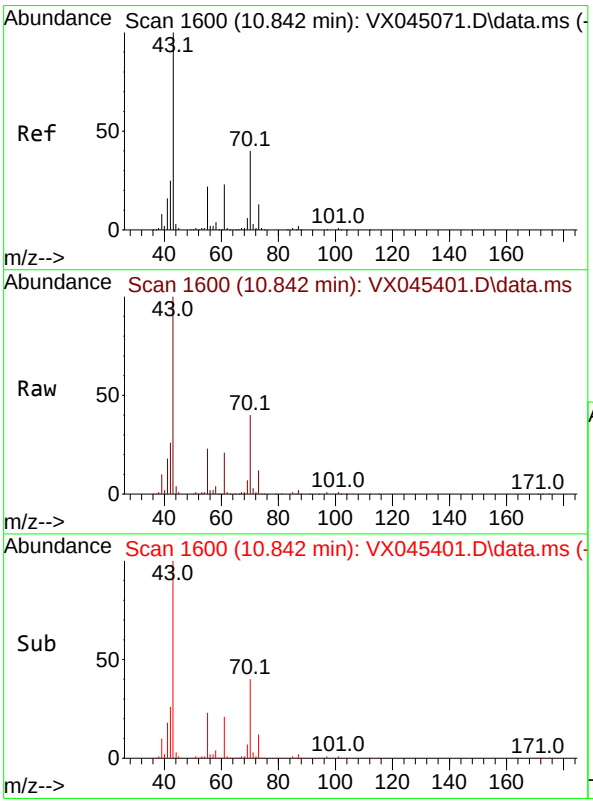
#73
Isopropylbenzene
Concen: 54.369 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 227633

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

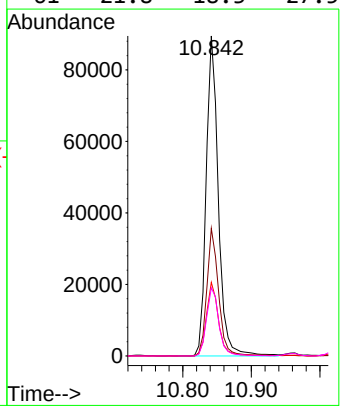


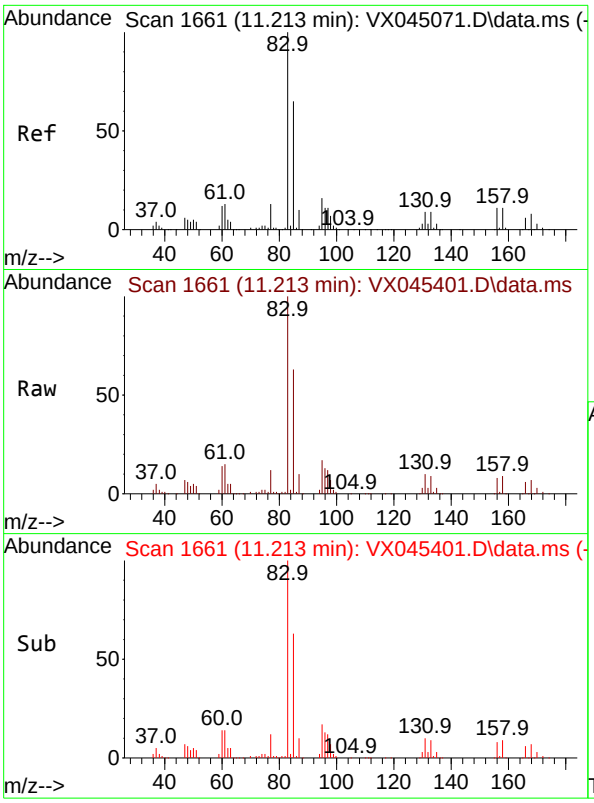


#74
N-amyl acetate
Concen: 56.217 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 43 Resp: 110444

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.8	47.6
55	23.2	18.3	27.5
61	21.8	18.3	27.5



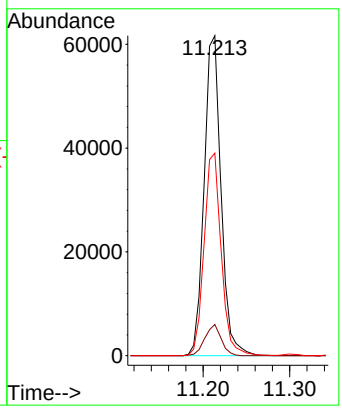


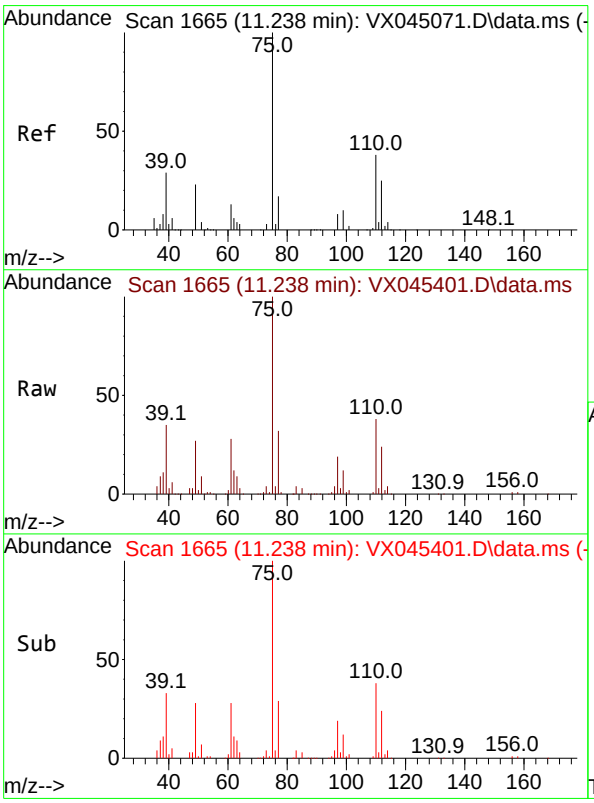
#75
1,1,2,2-Tetrachloroethane
Concen: 54.359 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 83518

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	64.3	31.7	95.1

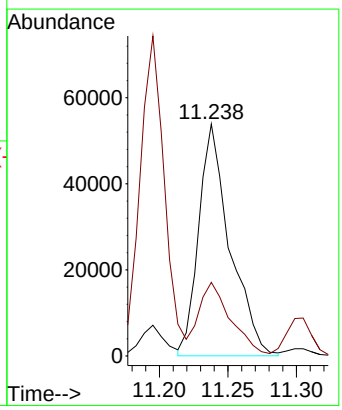


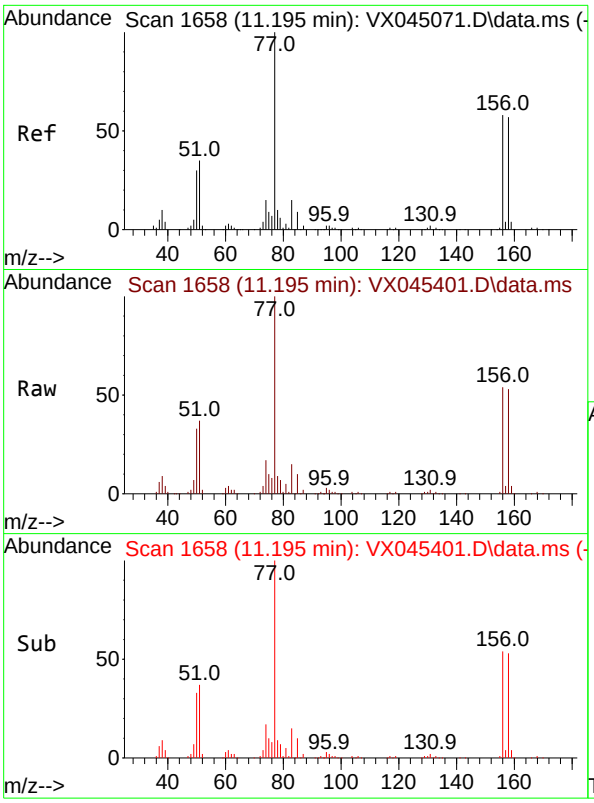


#76
1,2,3-Trichloropropane
Concen: 68.425 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 85428

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



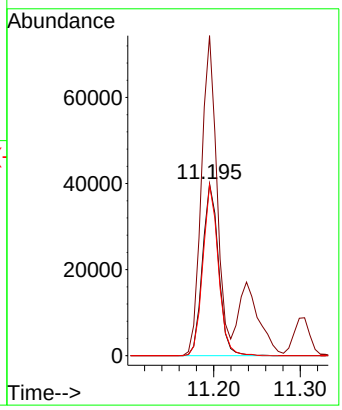


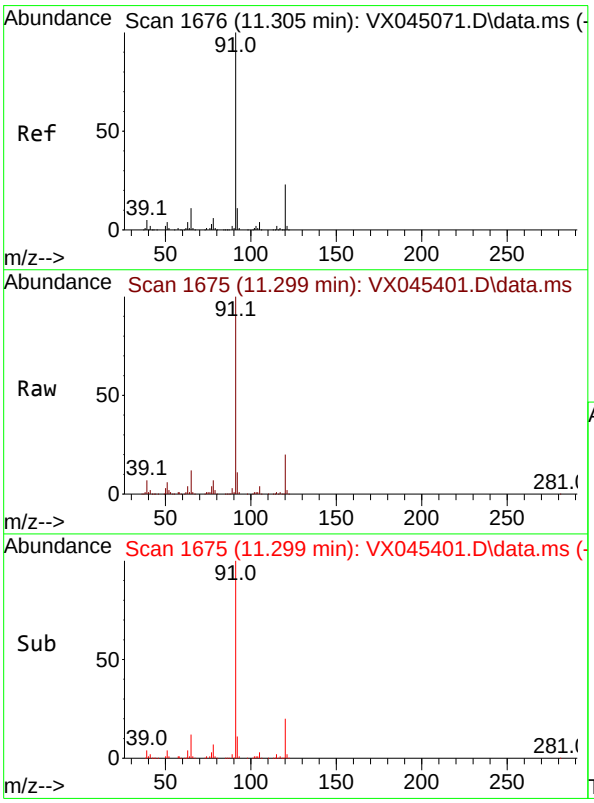
#77
Bromobenzene
Concen: 51.964 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 51333

Ion	Ratio	Lower	Upper
156	100		
77	180.5	85.8	257.4
158	96.3	48.4	145.2

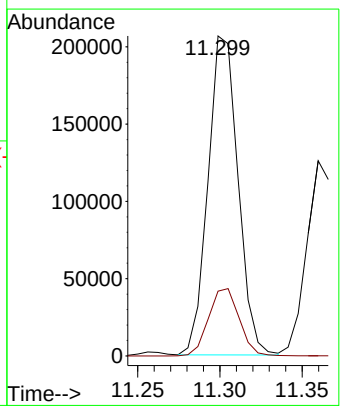


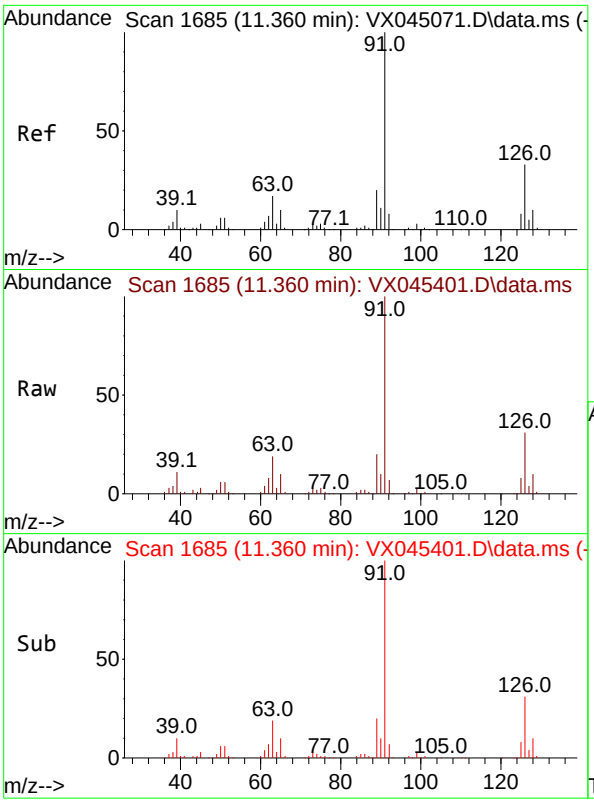


#78
n-propylbenzene
Concen: 55.477 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 262384

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



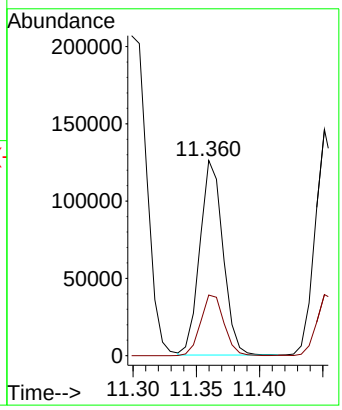


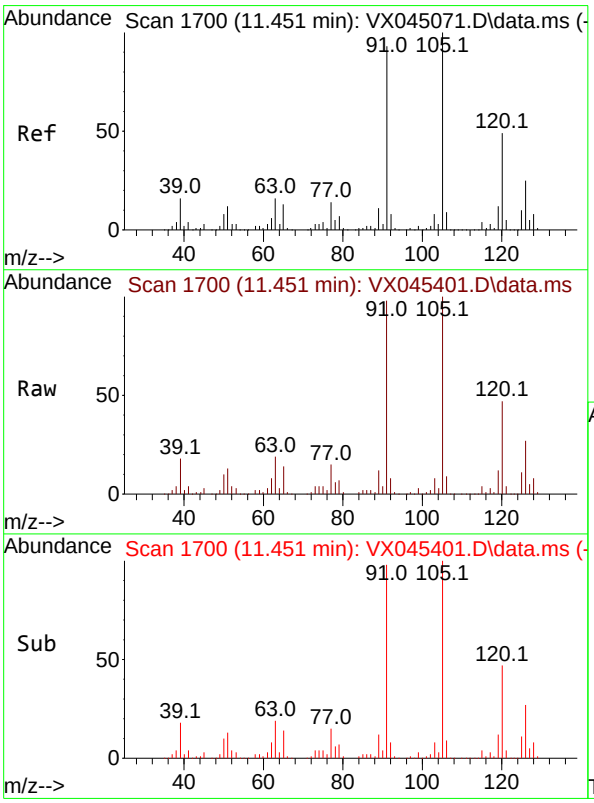
#79
2-Chlorotoluene
Concen: 53.282 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 160491

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4

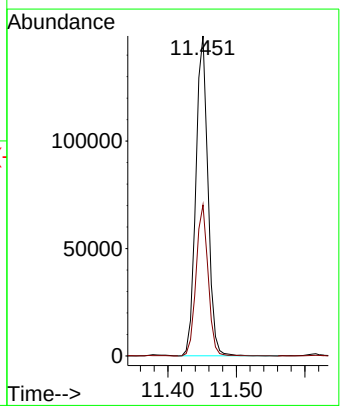


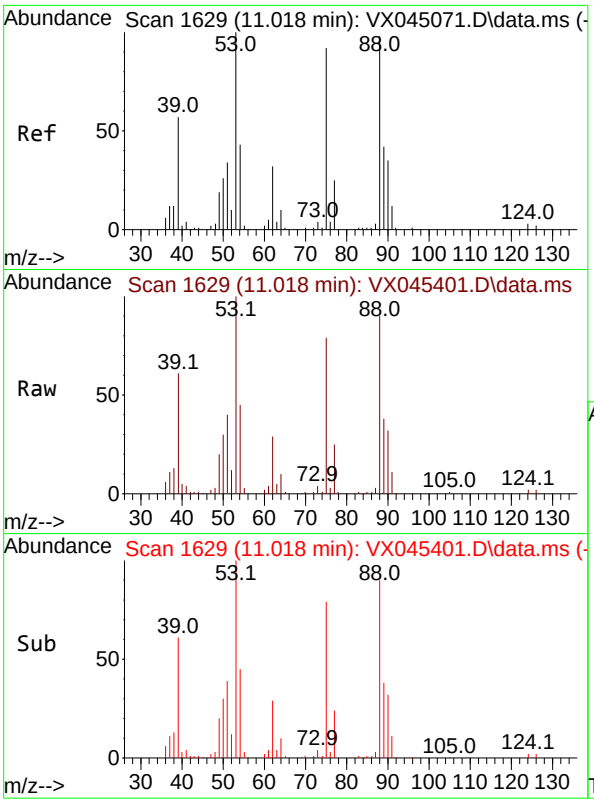


#80
1,3,5-Trimethylbenzene
Concen: 54.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 183136

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2



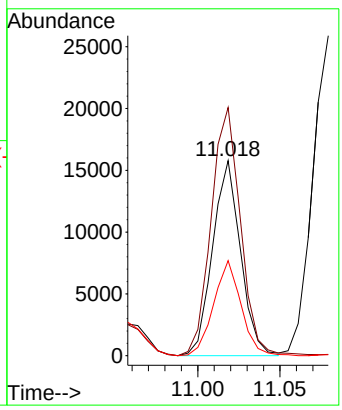


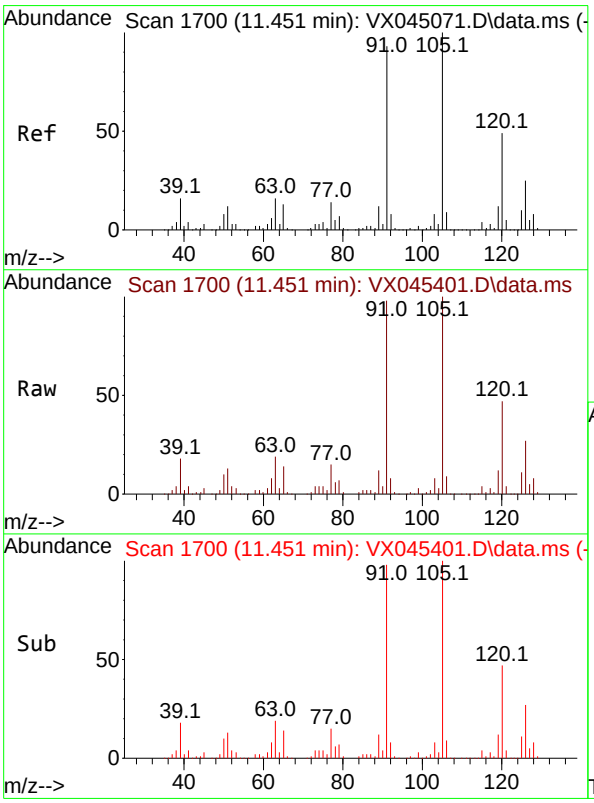
#81
trans-1,4-Dichloro-2-butene
Concen: 51.090 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 18639

Ion	Ratio	Lower	Upper
75	100		
53	134.3	88.5	132.7#
89	47.9	36.2	54.4

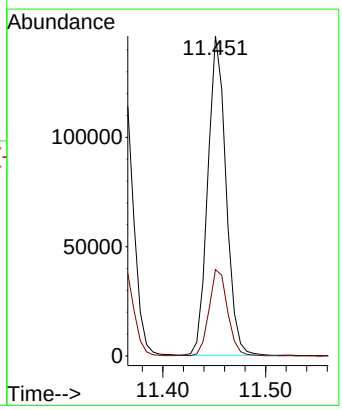


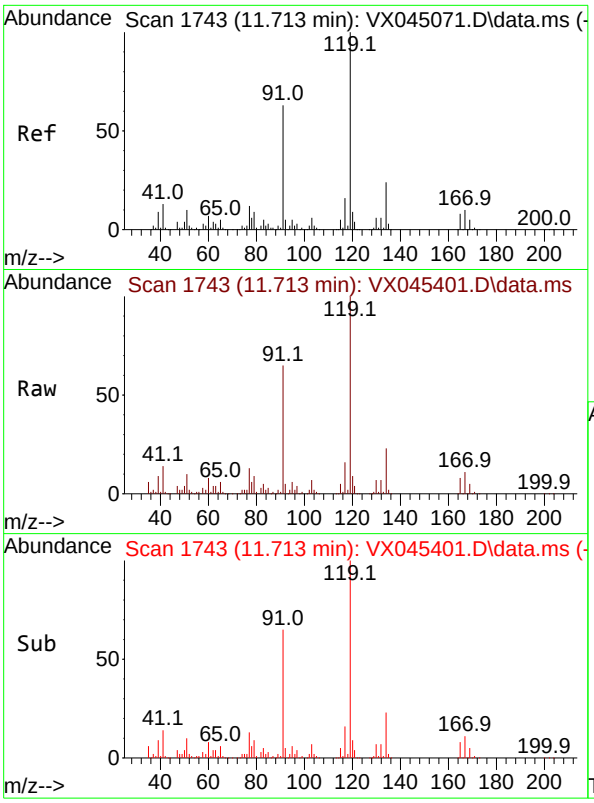


#82
4-Chlorotoluene
Concen: 54.654 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 91 Resp: 179417

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



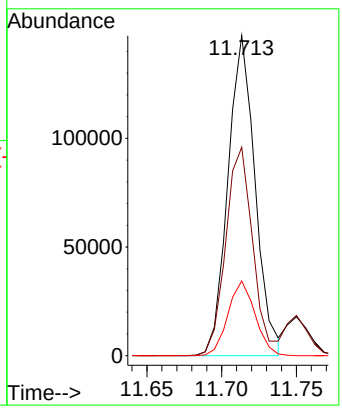


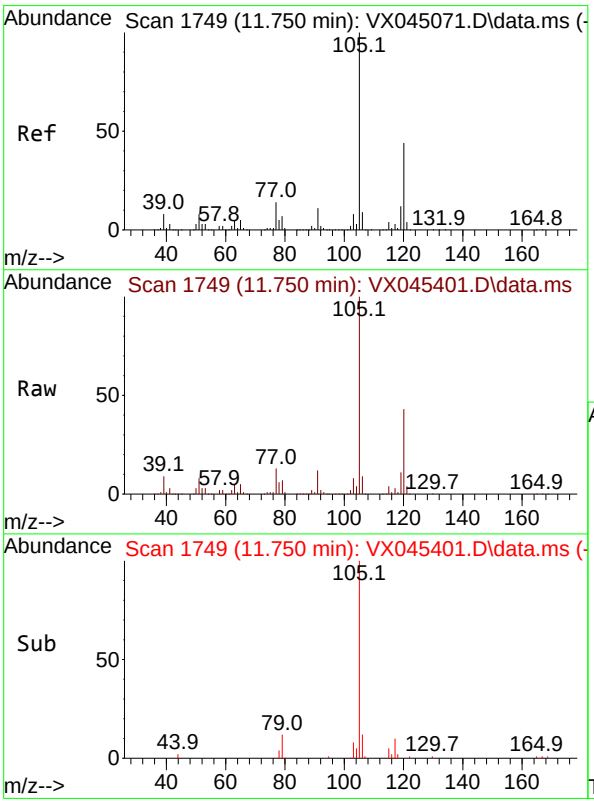
#83
tert-Butylbenzene
Concen: 53.572 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 186344

Ion	Ratio	Lower	Upper
119	100		
91	65.3	30.7	92.1
134	23.3	11.7	35.0

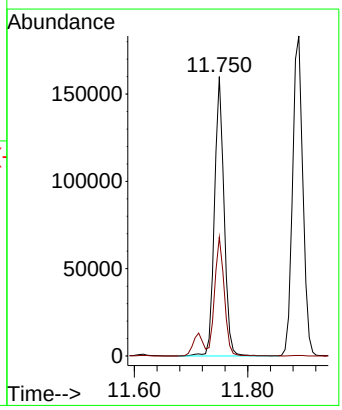


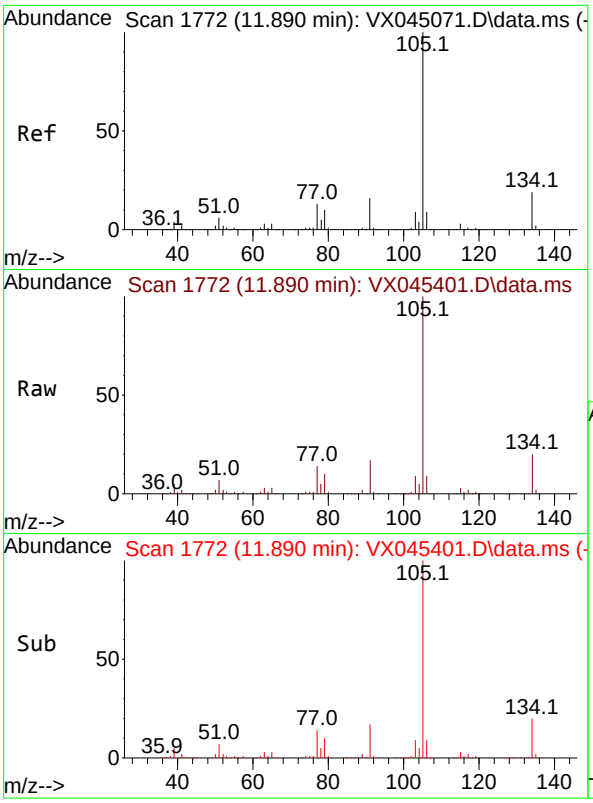


#84
1,2,4-Trimethylbenzene
Concen: 55.172 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:105 Resp: 187934

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1



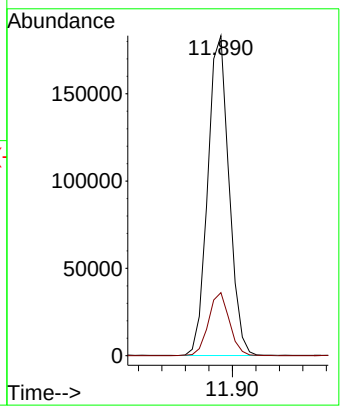


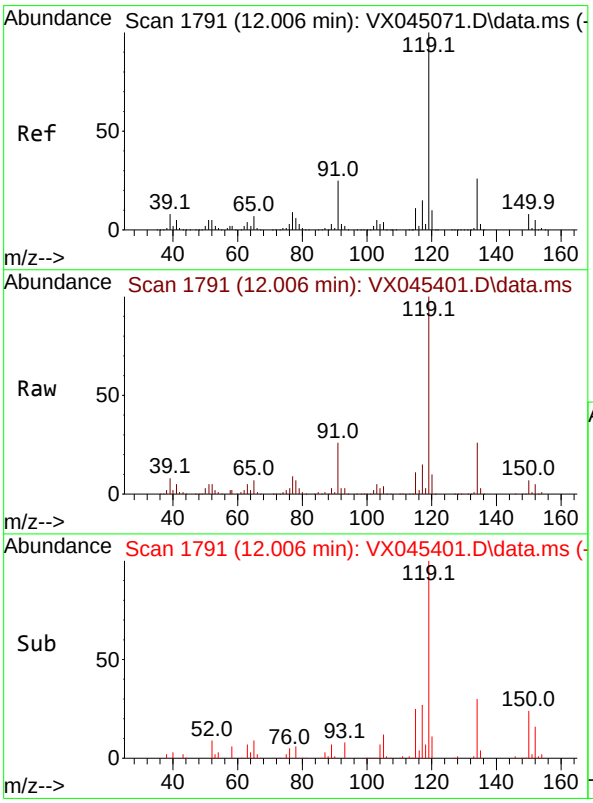
#85
sec-Butylbenzene
Concen: 55.276 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 230317

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

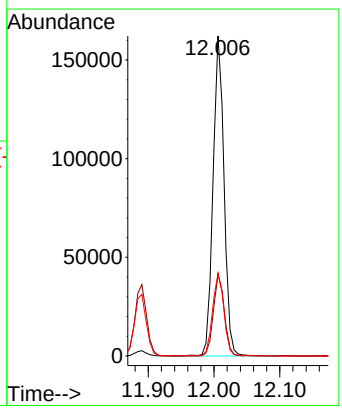


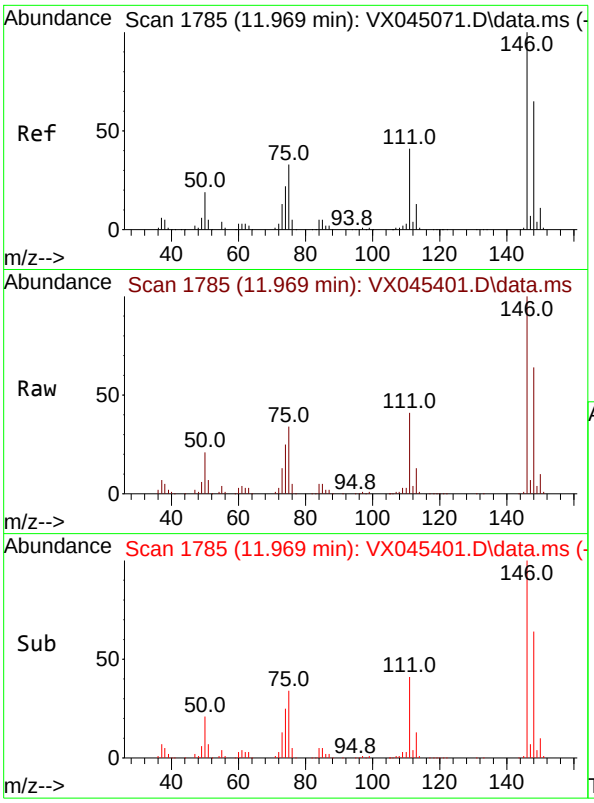


#86
p-Isopropyltoluene
Concen: 55.971 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:119 Resp: 188467

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	26.5	12.7	38.0



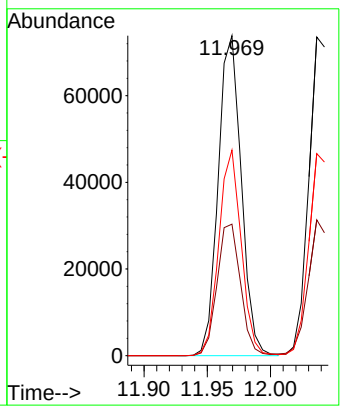


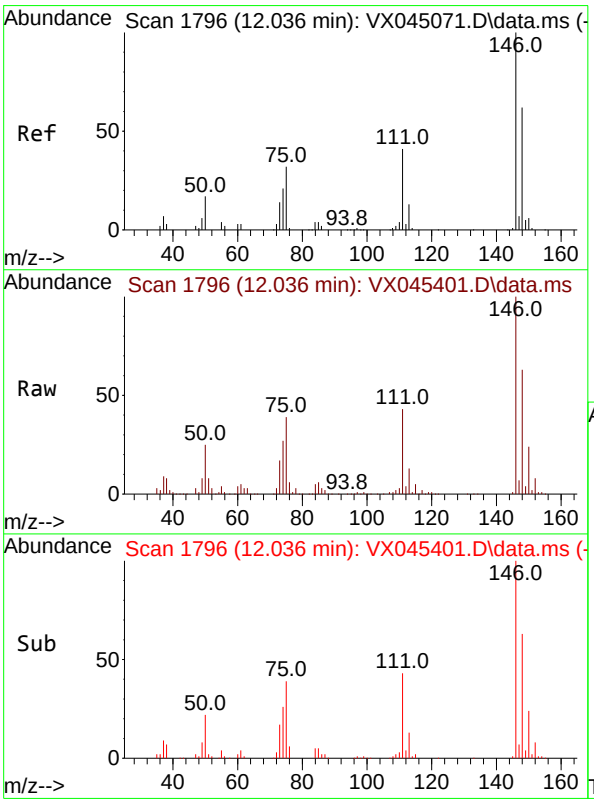
#87
1,3-Dichlorobenzene
Concen: 53.143 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 93653

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.4
148	62.3	31.9	95.7

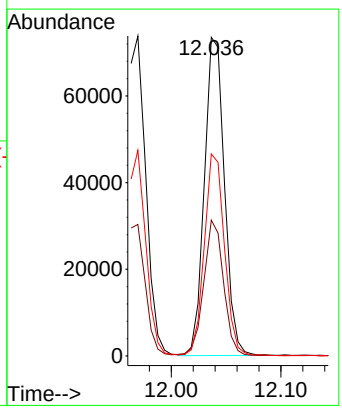


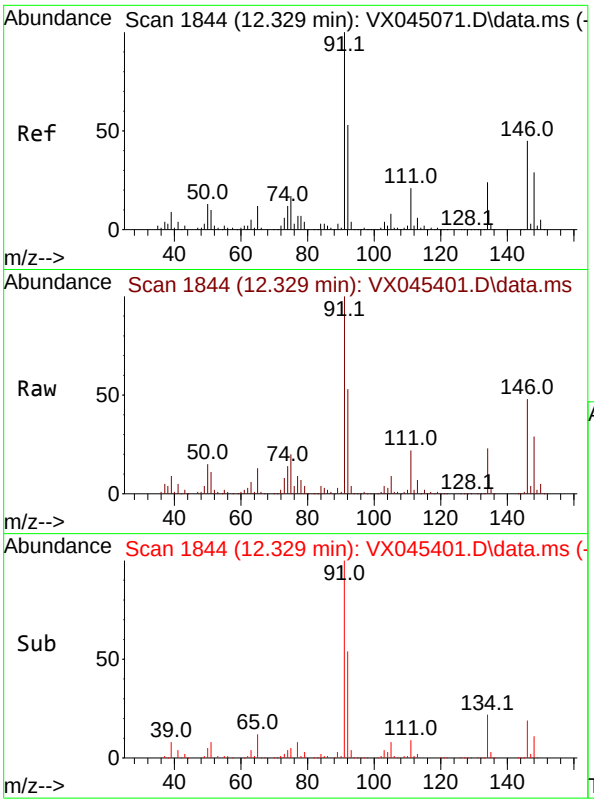


#88
1,4-Dichlorobenzene
Concen: 52.463 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:146 Resp: 93536

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	64.0	31.9	95.9



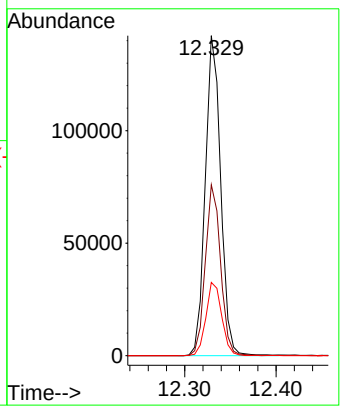


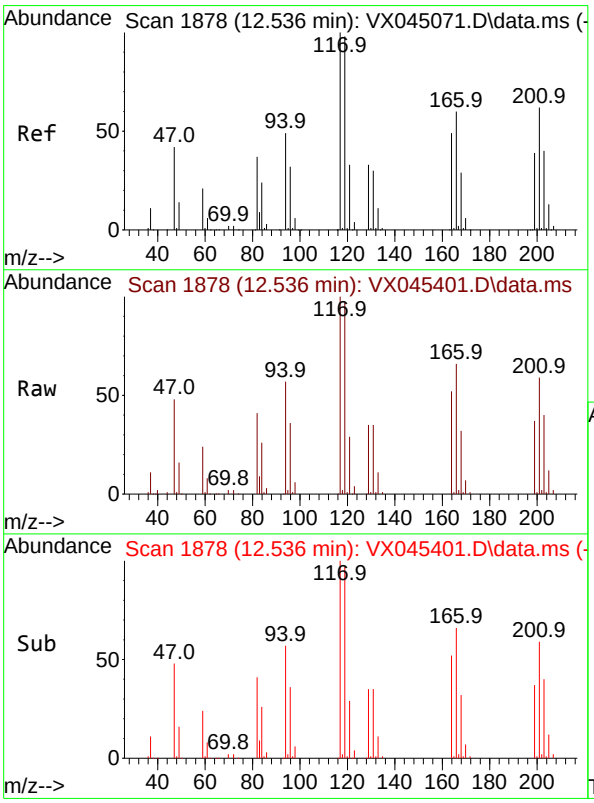
#89
n-Butylbenzene
Concen: 57.458 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 166636

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	23.5	12.2	36.6

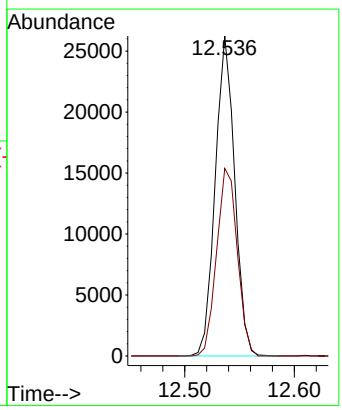


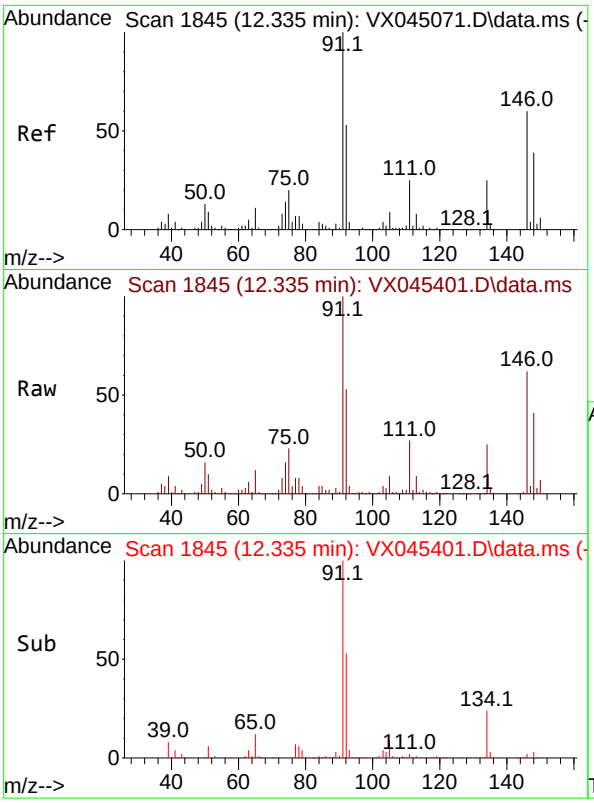


#90
Hexachloroethane
Concen: 53.118 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:117 Resp: 32352

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9



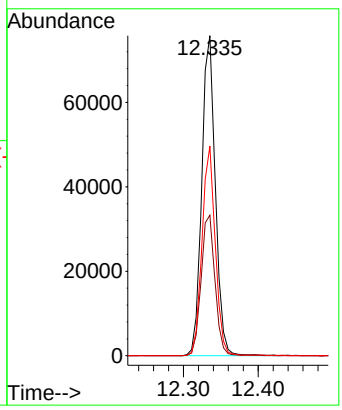


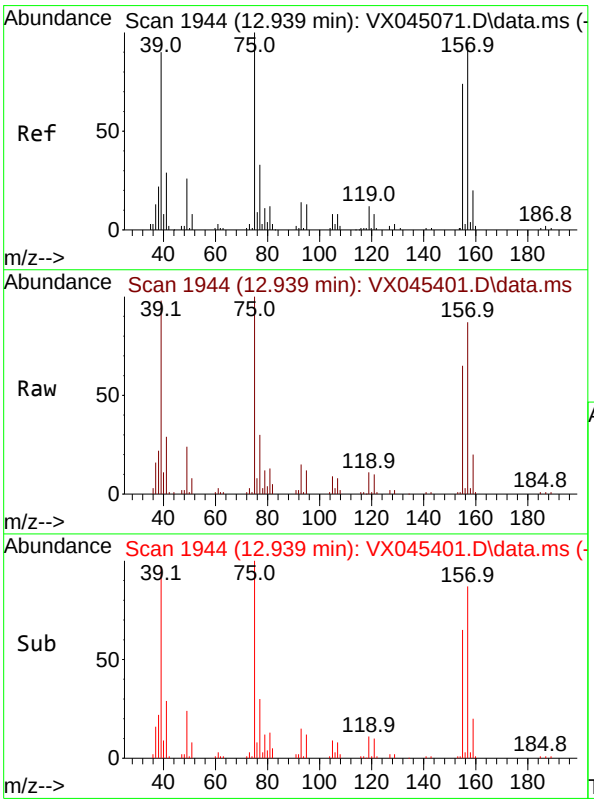
#91
1,2-Dichlorobenzene
Concen: 54.100 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 95638

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.9	31.9	95.9

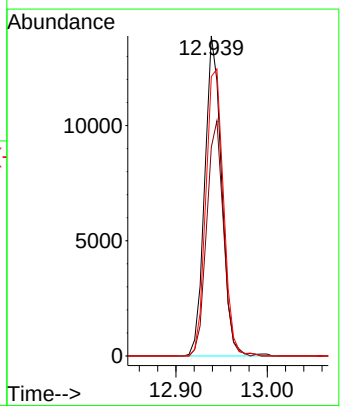


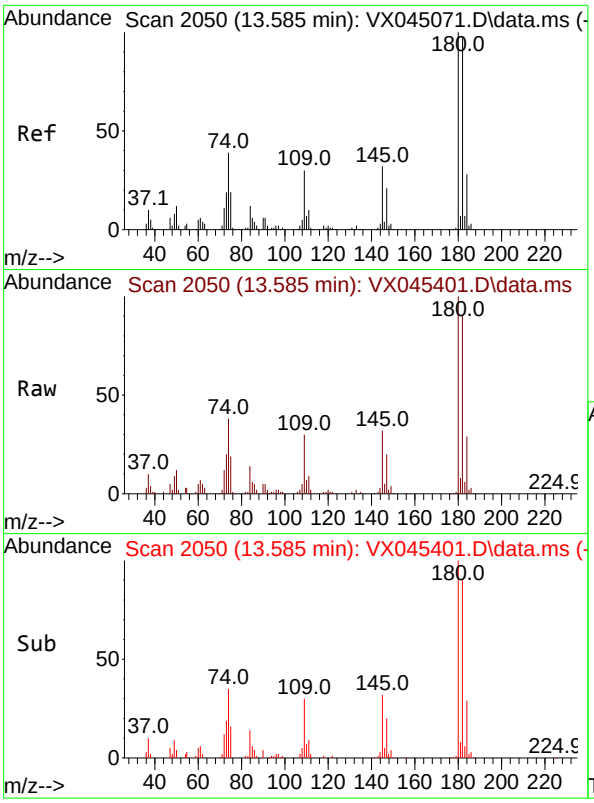


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.571 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion: 75 Resp: 17831

Ion	Ratio	Lower	Upper
75	100		
155	72.9	39.6	118.7
157	93.6	51.1	153.4



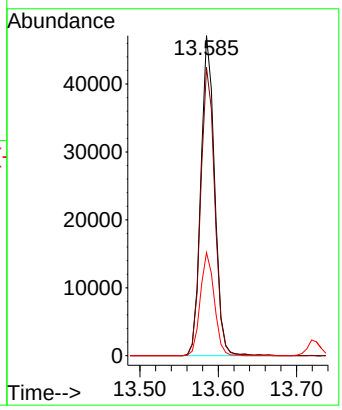


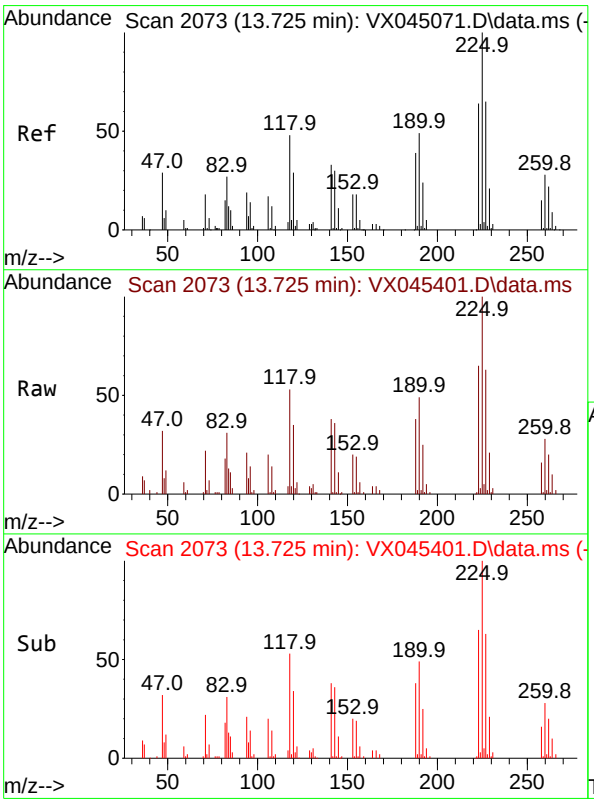
#93
1,2,4-Trichlorobenzene
Concen: 56.965 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 57341

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	32.7	16.3	48.9

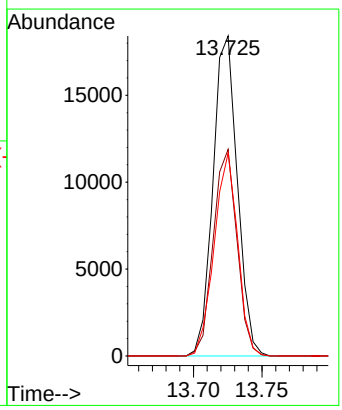


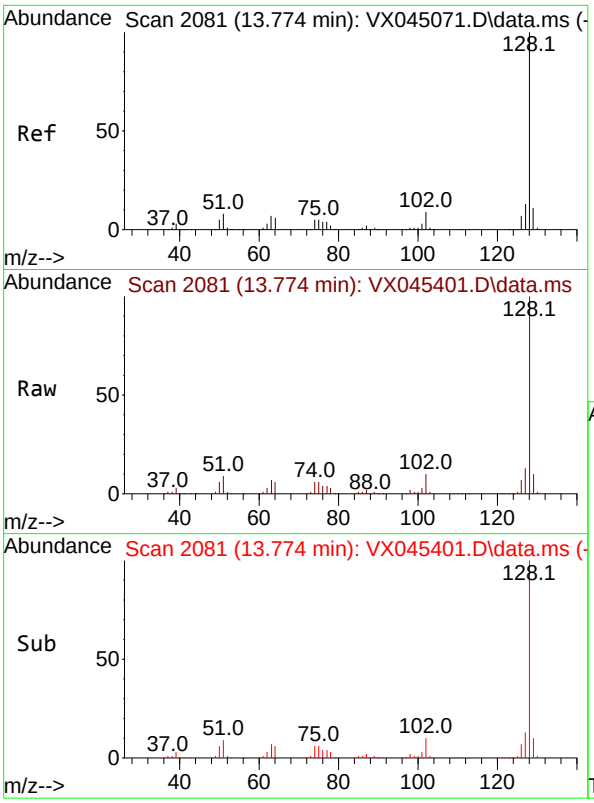


#94
Hexachlorobutadiene
Concen: 55.141 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:225 Resp: 22756

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	61.1	31.4	94.0



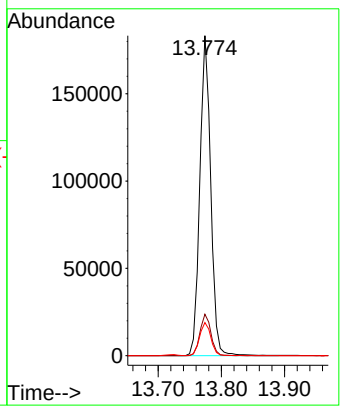


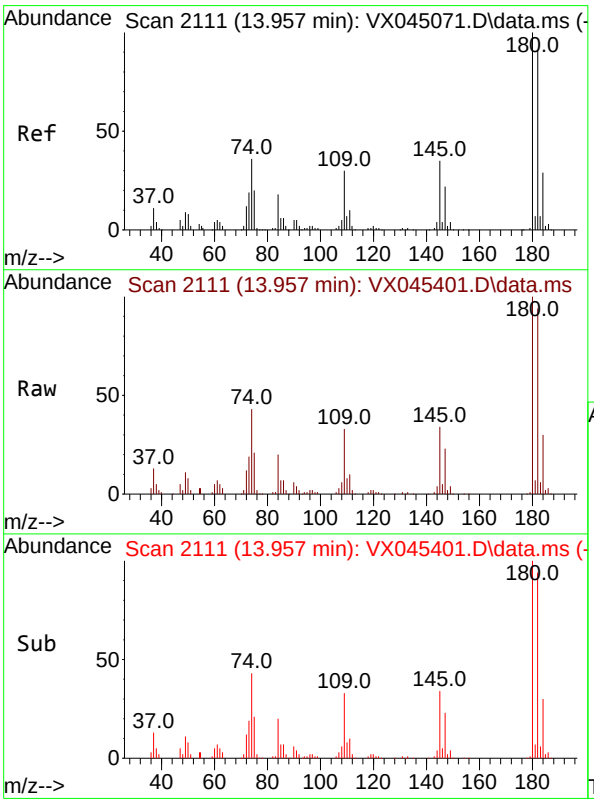
#95
Naphthalene
Concen: 56.787 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 219620

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 55.183 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045401.D
Acq: 21 Mar 2025 20:41

Tgt Ion:180 Resp: 58600

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	35.3	17.0	50.9

